

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063196.D
 Acq On : 29 Jul 2019 13:30
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 30 02:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1072028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1511049	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1223783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	652653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	1205874	101.38	ug/l	0.00
Spiked Amount			Recovery	=	202.76%	
35) Dibromofluoromethane	6.92	113	1343057	104.10	ug/l	0.00
Spiked Amount			Recovery	=	208.20%	
50) Toluene-d8	10.41	98	3046648	105.52	ug/l	0.00
Spiked Amount			Recovery	=	211.04%	
62) 4-Bromofluorobenzene	13.55	95	1324971	100.70	ug/l	0.00
Spiked Amount			Recovery	=	201.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1119294	85.358	ug/l	99
3) Chloromethane	1.74	50	890046	87.395	ug/l	89
4) Vinyl Chloride	1.84	62	974018	92.414	ug/l	99
5) Bromomethane	2.14	94	434519	81.743	ug/l	98
6) Chloroethane	2.24	64	428364	88.030	ug/l	90
7) Trichlorofluoromethane	2.52	101	1856765	90.808	ug/l	97
8) Diethyl Ether	2.86	74	264104	92.291	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1090302	96.262	ug/l	97
10) Methyl Iodide	3.30	142	1782986	108.969	ug/l	94
11) Tert butyl alcohol	4.08	59	248316	473.007	ug/l	94
12) 1,1-Dichloroethene	3.11	96	792408	95.298	ug/l	91
13) Acrolein	3.03	56	258183	513.907	ug/l	86
14) Allyl chloride	3.60	41	1248501	94.215	ug/l	98
15) Acrylonitrile	4.19	53	691131	510.673	ug/l	98
16) Acetone	3.22	43	1189146	513.084	ug/l	99
17) Carbon Disulfide	3.36	76	2611210	93.823	ug/l	99
18) Methyl Acetate	3.63	43	405712	91.134	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	1833231	97.603	ug/l	97
20) Methylene Chloride	3.81	84	831473	88.755	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	917496	98.340	ug/l	95
22) Diisopropyl ether	5.12	45	2680758	101.197	ug/l	98
23) Vinyl Acetate	5.05	43	8076043	496.445	ug/l	99
24) 1,1-Dichloroethane	4.97	63	1588541	93.973	ug/l	97
25) 2-Butanone	6.07	43	1221092	524.986	ug/l	96
26) 2,2-Dichloropropane	6.01	77	1605298	92.150	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	936675	93.640	ug/l	99
28) Bromochloromethane	6.43	49	660652	97.912	ug/l	94
29) Tetrahydrofuran	6.46	42	538716	489.199	ug/l	98
30) Chloroform	6.65	83	1918437	91.448	ug/l	96
31) Cyclohexane	6.95	56	1049085	99.010	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1818123	89.600	ug/l	97
36) 1,1-Dichloropropene	7.13	75	1299375	94.224	ug/l	100
37) Ethyl Acetate	6.18	43	575767	93.127	ug/l	96
38) Carbon Tetrachloride	7.11	117	1977761	95.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1019334	88.718	ug/l	91
40) Benzene	7.45	78	2755736	95.348	ug/l	97
41) Methacrylonitrile	6.45	41	706341	95.311	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	1494190	97.549	ug/l	100
43) Isopropyl Acetate	9.23	43	749278	94.678	ug/l #	97
44) Trichloroethene	8.53	130	1092450	93.281	ug/l	96
45) 1,2-Dichloropropane	8.94	63	728778	99.206	ug/l	98
46) Dibromomethane	9.05	93	601321	98.446	ug/l	87
47) Bromodichloromethane	9.37	83	1505354	96.681	ug/l	98
48) Methyl methacrylate	9.11	41	530290	103.316	ug/l	91
49) 1,4-Dioxane	9.08	88	83396	1963.896	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	2671968	496.449	ug/l	94
52) Toluene	10.50	92	1898199	98.748	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	1301541	96.958	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	1407445	99.762	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	597718	92.068	ug/l	96
56) Ethyl methacrylate	11.03	69	689894	97.045	ug/l	98
57) 1,3-Dichloropropane	11.41	76	977226	95.536	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	1746216	472.061	ug/l	98
59) 2-Hexanone	11.54	43	2016388	519.874	ug/l	100
60) Dibromochloromethane	11.68	129	1187906	96.924	ug/l	95
61) 1,2-Dibromoethane	11.80	107	814231	101.641	ug/l	96
64) Tetrachloroethene	11.25	164	999048	102.472	ug/l	96
65) Chlorobenzene	12.40	112	2303628	97.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	1038443	100.153	ug/l	95
67) Ethyl Benzene	12.52	91	3821293	95.563	ug/l	97
68) m/p-Xylenes	12.67	106	2911569	198.545	ug/l	96
69) o-Xylene	13.05	106	1398021	103.814	ug/l	88
70) Styrene	13.07	104	2353171	98.533	ug/l	98
71) Bromoform	13.23	173	810599	107.503	ug/l	96
73) Isopropylbenzene	13.41	105	3701019	90.352	ug/l	96
74) N-amyl acetate	13.27	43	1159384	107.065	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	715127	102.777	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	789990	100.774	ug/l	100
77) Bromobenzene	13.67	156	1150513	98.596	ug/l	88
78) n-propylbenzene	13.77	91	4526236	92.853	ug/l	99
79) 2-Chlorotoluene	13.84	91	2691019	95.273	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	3274970	92.697	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	220877	101.469	ug/l	99
82) 4-Chlorotoluene	13.95	91	3109983	93.559	ug/l	99
83) tert-Butylbenzene	14.19	119	3941040	97.695	ug/l	89
84) 1,2,4-Trimethylbenzene	14.23	105	3507618	95.985	ug/l	100
85) sec-Butylbenzene	14.37	105	3954633	93.046	ug/l	96
86) p-Isopropyltoluene	14.49	119	3767297	92.869	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1936840	93.726	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	1934891	92.593	ug/l	98
89) n-Butylbenzene	14.79	91	3043001	86.853	ug/l	96
90) Hexachloroethane	15.01	117	1052379	99.574	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	1584945	88.029	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	149531	105.503	ug/l	88

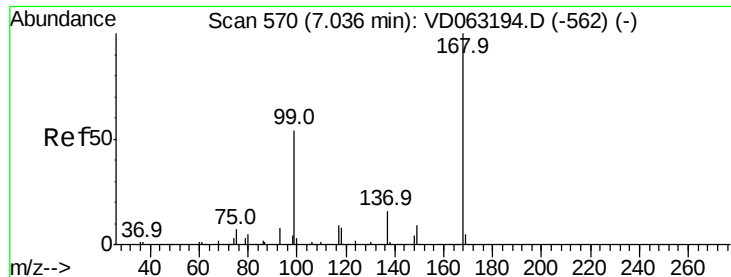
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1382529	96.793	ug/l	98
94) Hexachlorobutadiene	16.03	225	995101	96.137	ug/l	98
95) Naphthalene	16.12	128	1887011	93.471	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	1086422	96.282	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

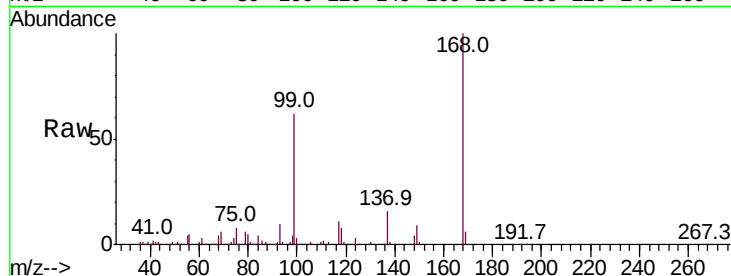
VSTDIC100

Tot Ion:168 Resp: 1072028

Ion Ratio Lower Upper

168 100

99 61.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

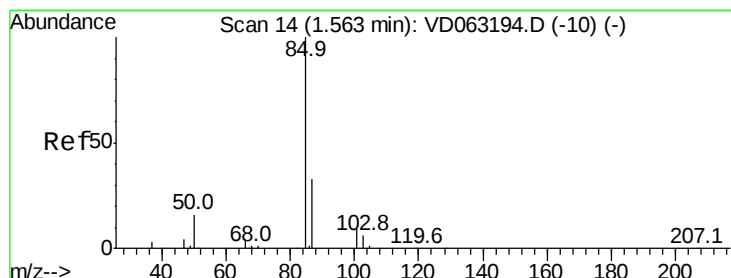
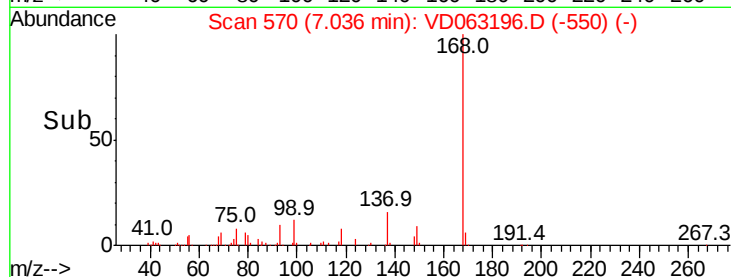
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 85.358 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063196.D

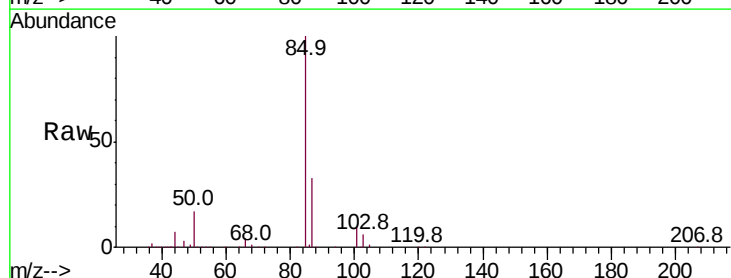
Acq: 29 Jul 2019 13:30

Tgt Ion: 85 Resp: 1119294

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

600000

500000

400000

300000

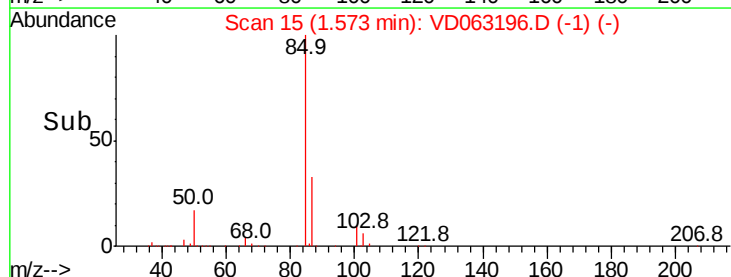
200000

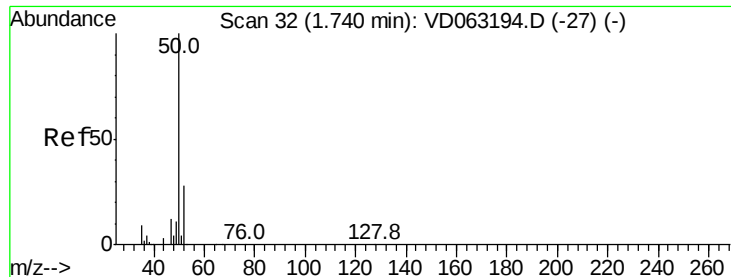
100000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 87.395 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

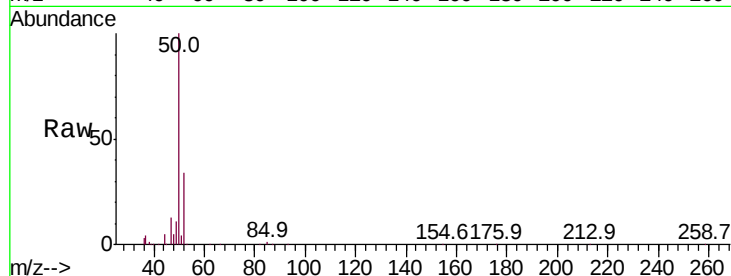
VSTDIC100

Tot Ion: 50 Resp: 890046

Ion Ratio Lower Upper

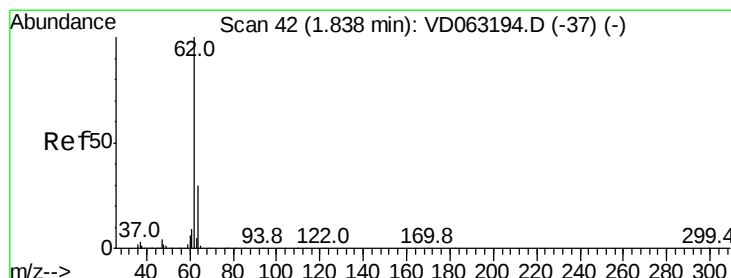
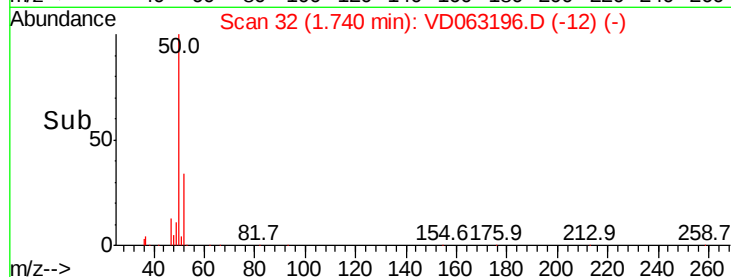
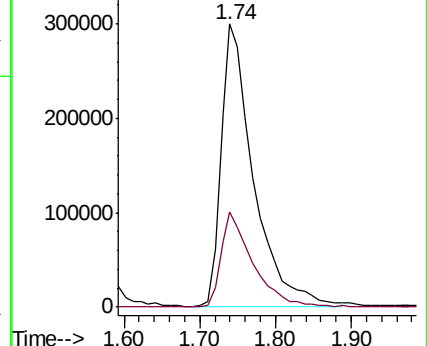
50 100

52 33.9 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 92.414 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063196.D

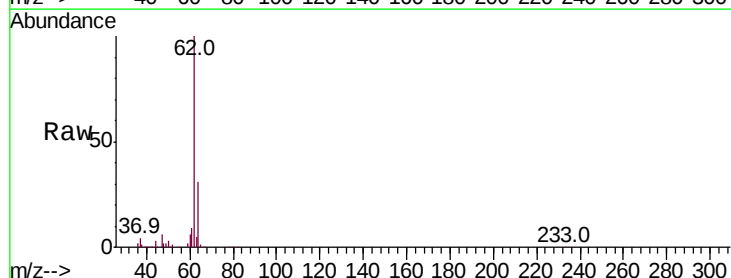
Acq: 29 Jul 2019 13:30

Tgt Ion: 62 Resp: 974018

Ion Ratio Lower Upper

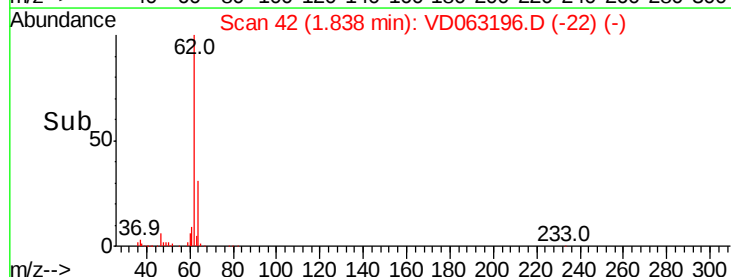
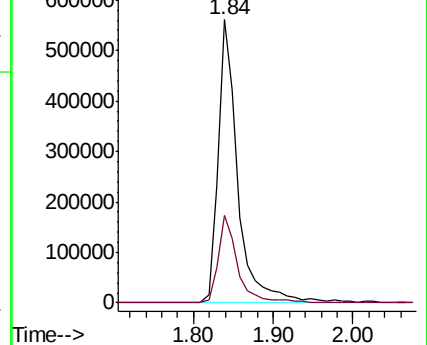
62 100

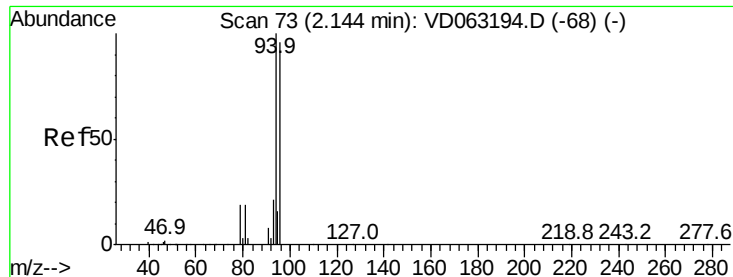
64 30.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 81.743 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

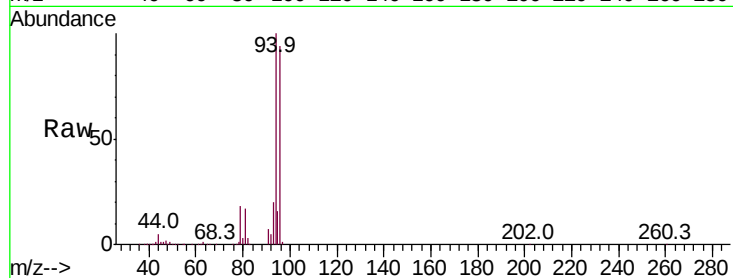
Tot Ion: 94 Resp: 434519

Ion Ratio Lower Upper

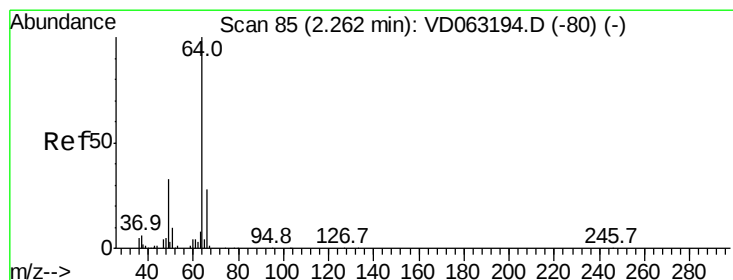
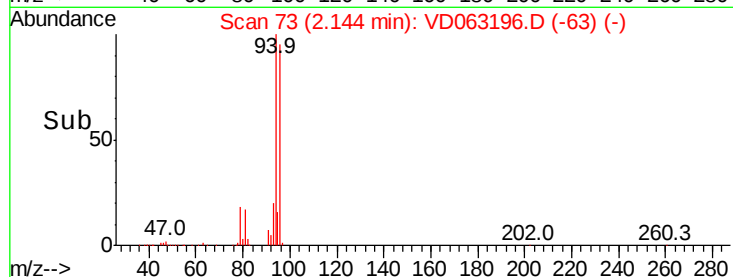
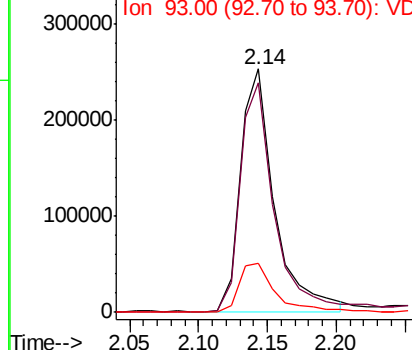
94 100

96 94.3 76.4 114.6

93 20.1 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 88.030 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063196.D

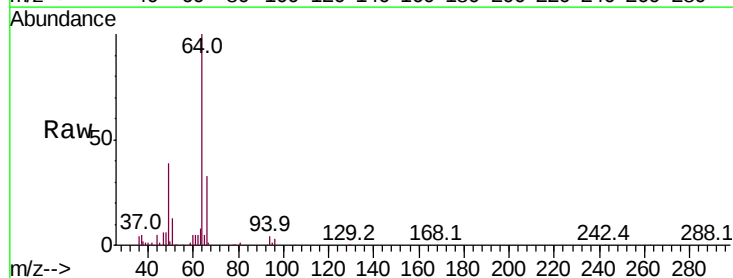
Acq: 29 Jul 2019 13:30

Tgt Ion: 64 Resp: 428364

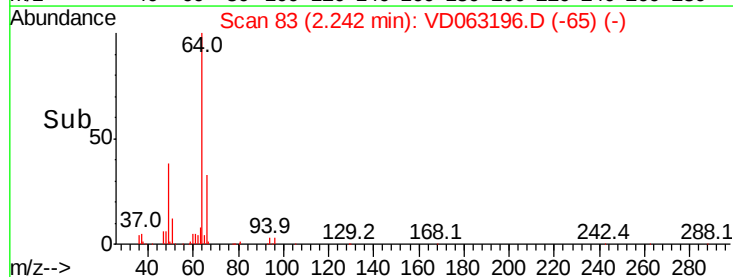
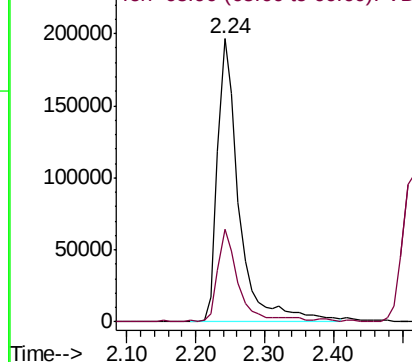
Ion Ratio Lower Upper

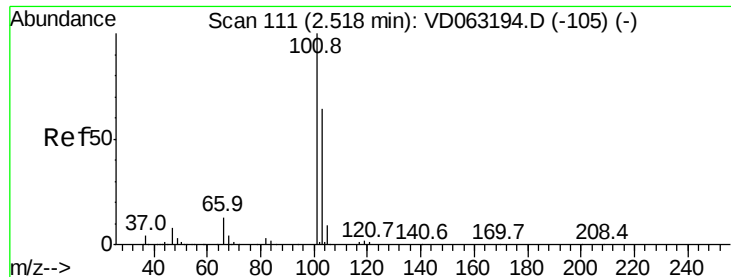
64 100

66 32.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



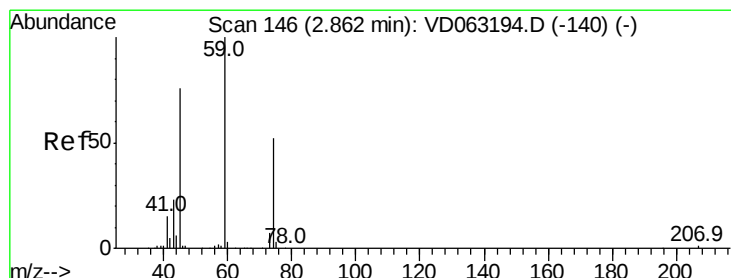
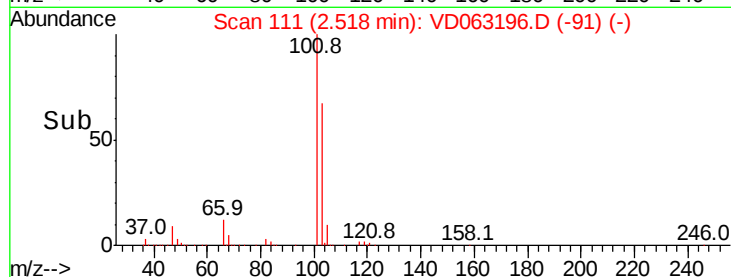
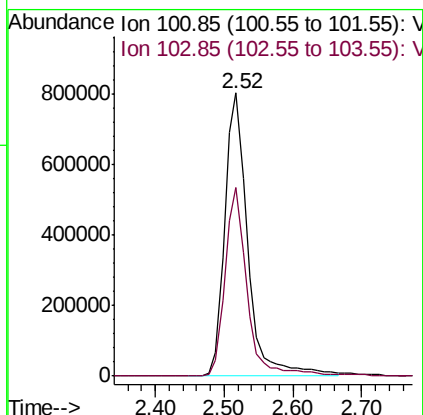
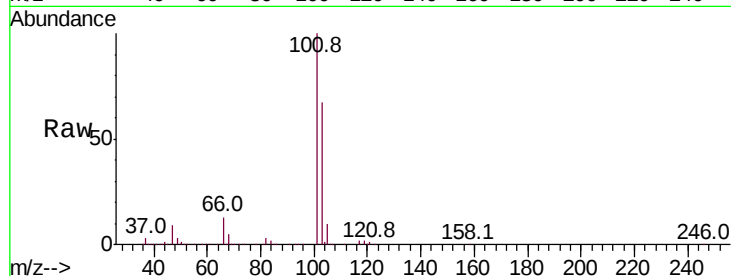


#7

Trichlorofluoromethane
 Concen: 90.808 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

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 VSTDIC100

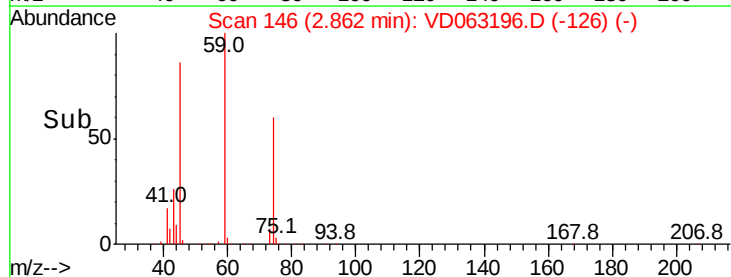
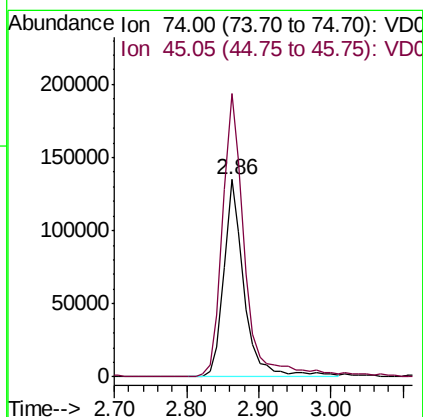
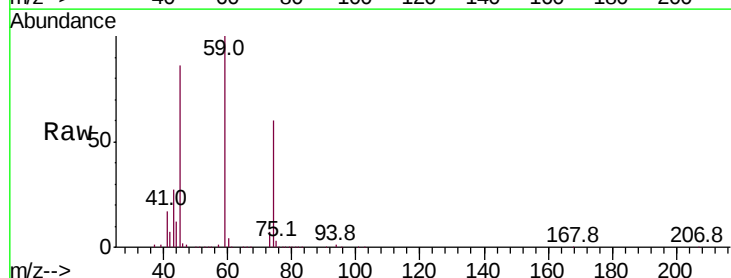
Tot Ion:101 Resp: 1856765
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.5 77.3

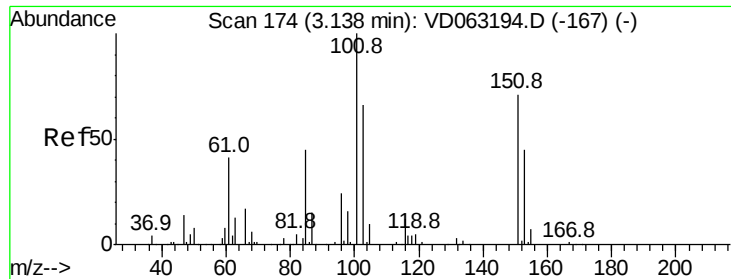


#8

Diethyl Ether
 Concen: 92.291 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion: 74 Resp: 264104
 Ion Ratio Lower Upper
 74 100
 45 143.5 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.262 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

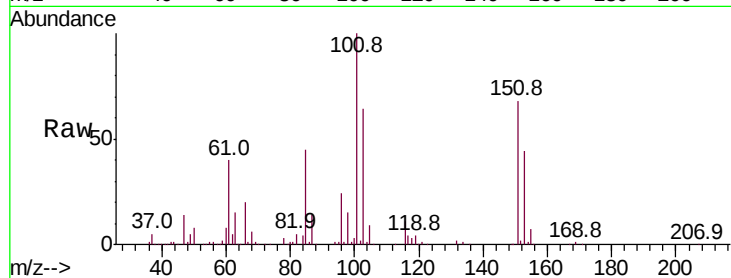
Tot Ion:101 Resp: 1090302

Ion Ratio Lower Upper

101 100

85 44.6 36.1 54.1

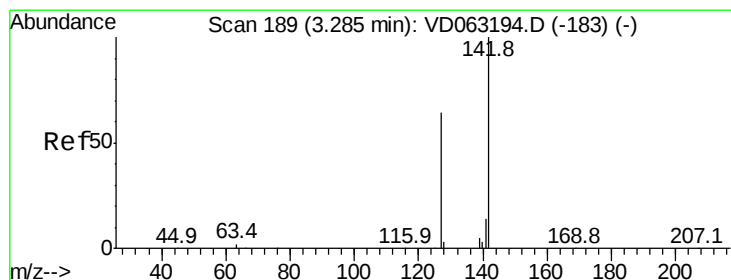
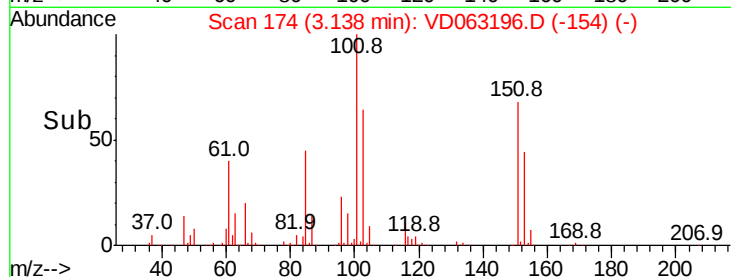
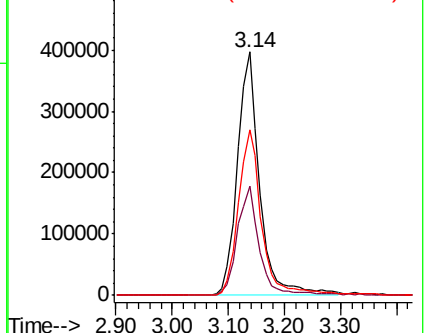
151 68.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 108.969 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

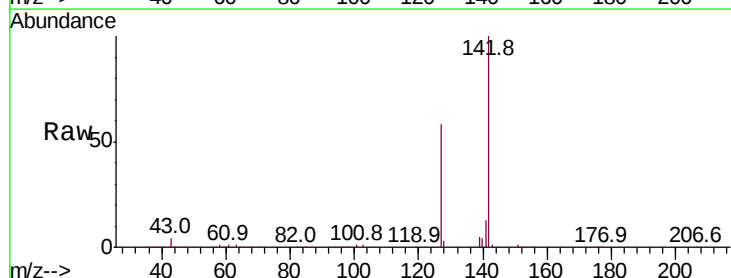
Tgt Ion:142 Resp: 1782986

Ion Ratio Lower Upper

142 100

127 57.9 50.8 76.2

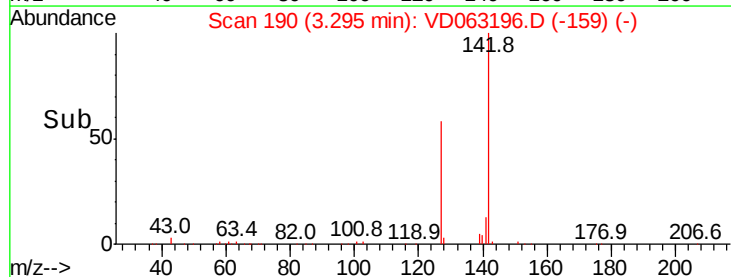
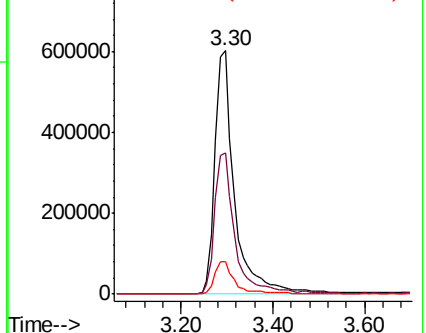
141 13.4 11.4 17.2

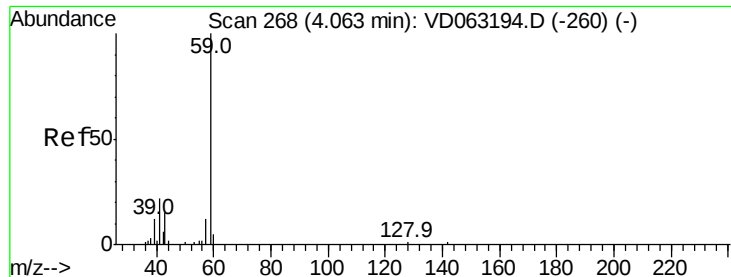


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



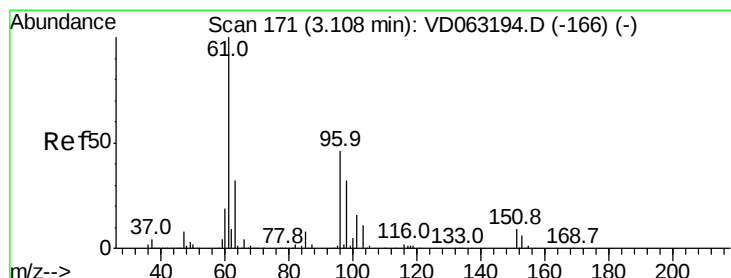
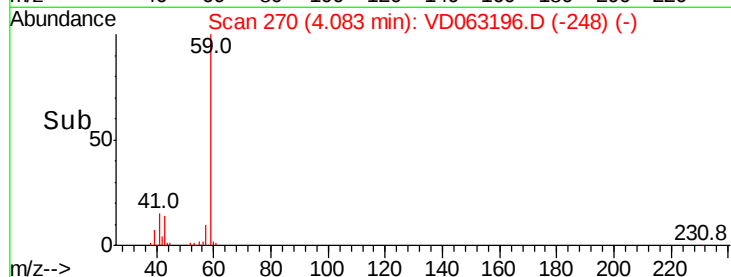
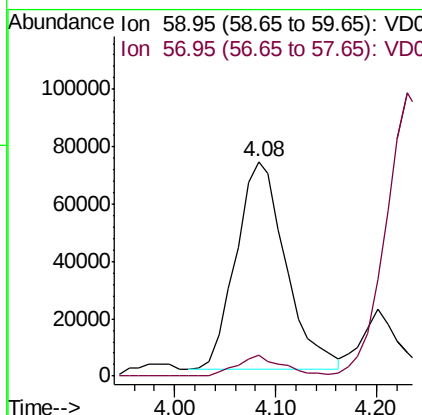
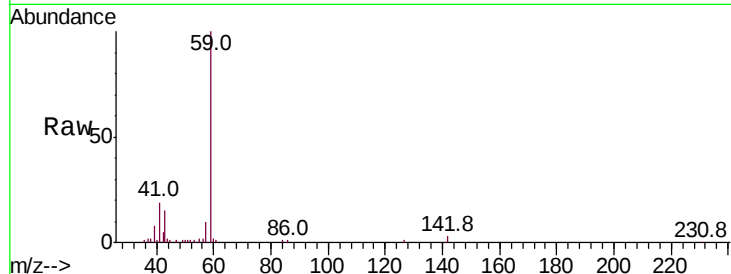


#11

Tert butyl alcohol
 Concen: 473.007 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

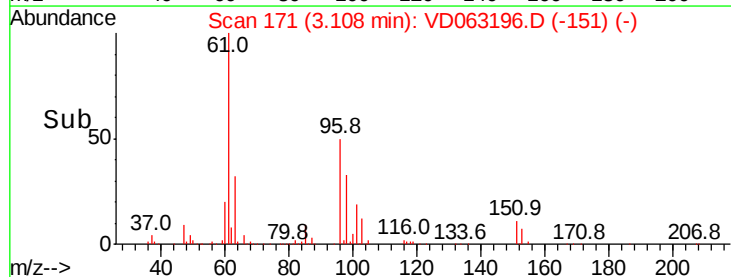
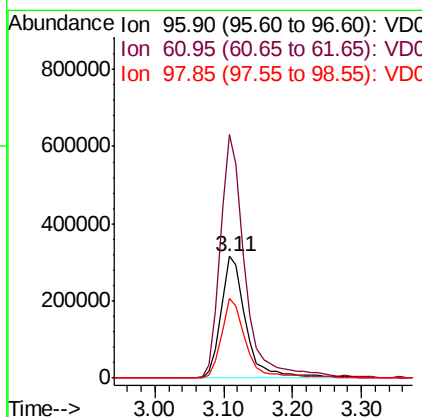
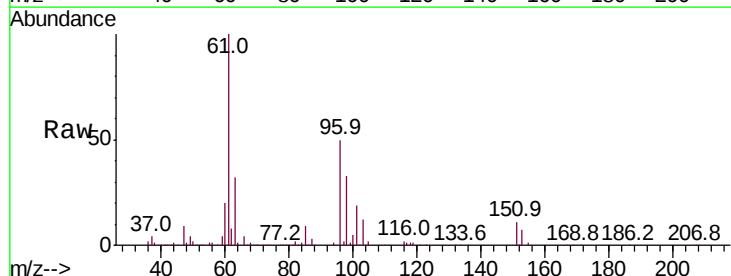
Tot Ion: 59 Resp: 248316
 Ion Ratio Lower Upper
 59 100
 57 9.7 9.6 14.4

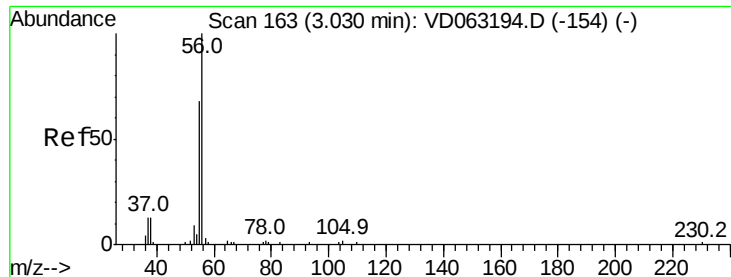


#12

1,1-Dichloroethene
 Concen: 95.298 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion: 96 Resp: 792408
 Ion Ratio Lower Upper
 96 100
 61 199.9 173.7 260.5
 98 65.4 55.8 83.8





#13

Acrolein

Concen: 513.907 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

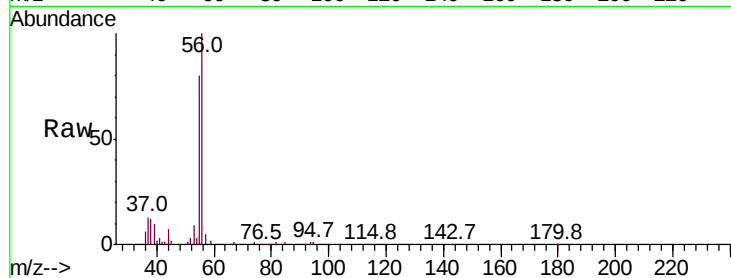
VSTDIC100

Tot Ion: 56 Resp: 258183

Ion Ratio Lower Upper

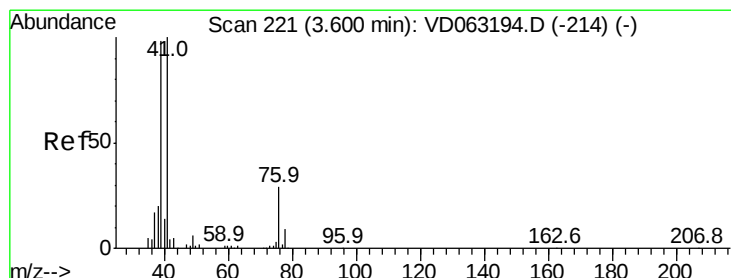
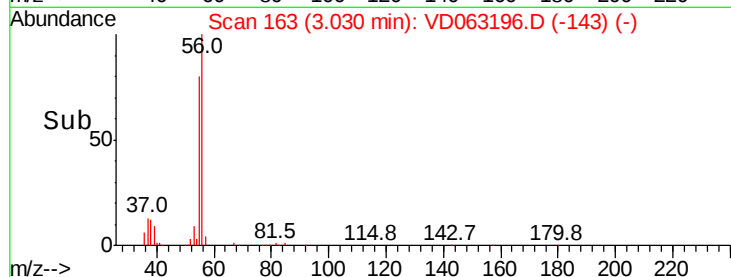
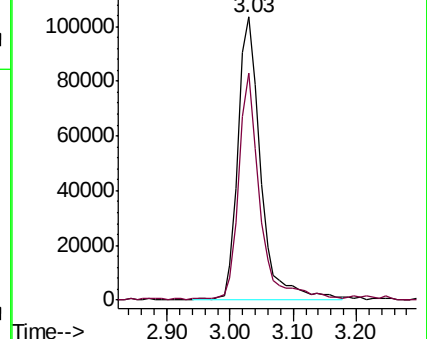
56 100

55 80.2 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 94.215 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

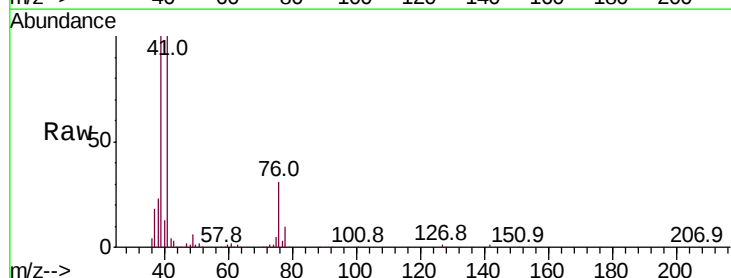
Tgt Ion: 41 Resp: 1248501

Ion Ratio Lower Upper

41 100

39 100.3 78.6 117.8

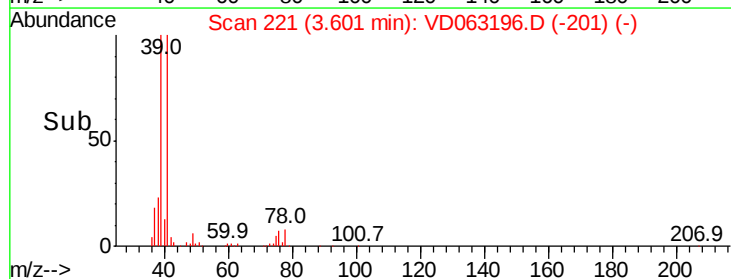
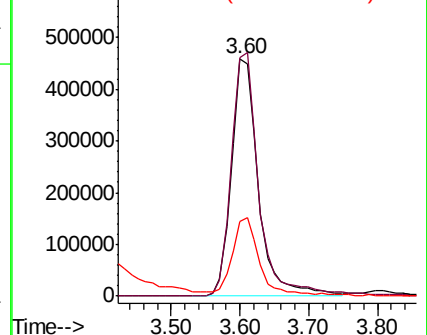
76 31.4 24.5 36.7

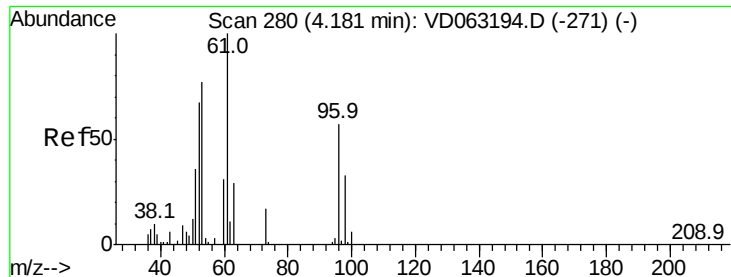


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 510.673 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

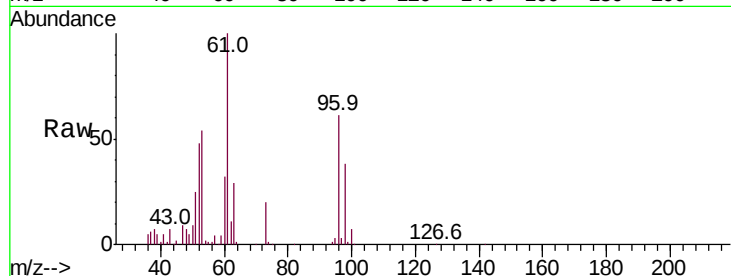
Tot Ion: 53 Resp: 691131

Ion Ratio Lower Upper

53 100

52 89.0 69.7 104.5

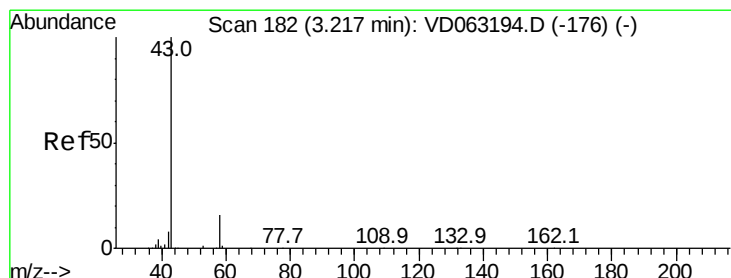
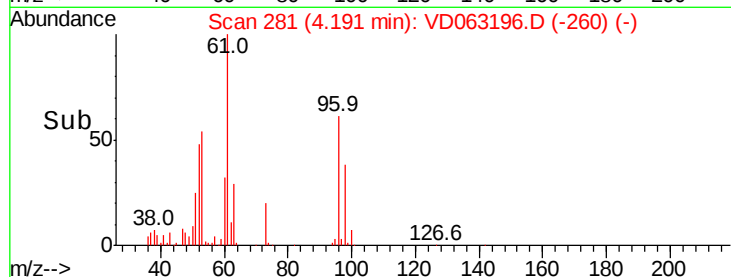
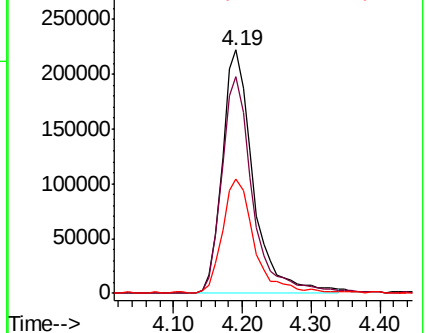
51 47.2 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 513.084 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063196.D

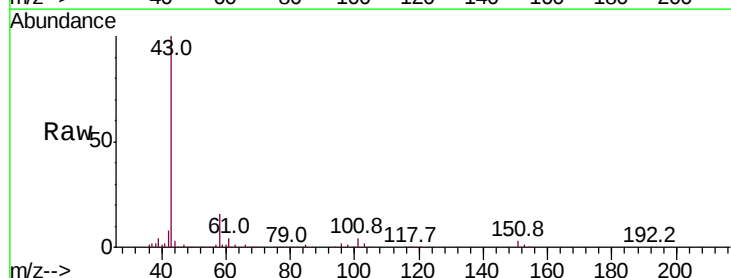
Acq: 29 Jul 2019 13:30

Tgt Ion: 43 Resp: 1189146

Ion Ratio Lower Upper

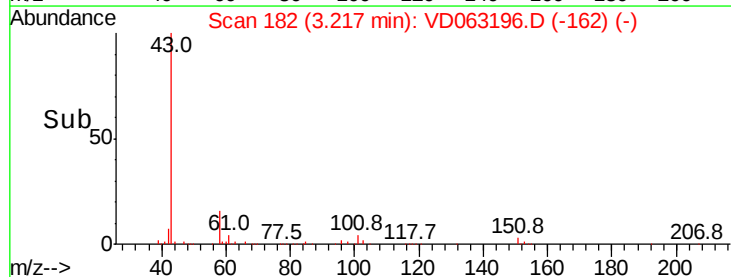
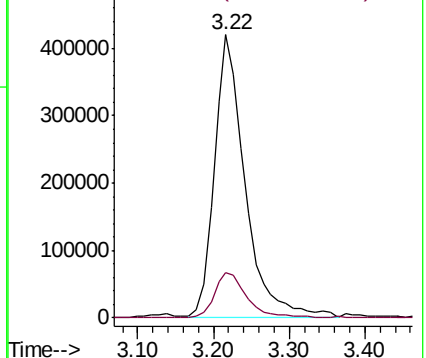
43 100

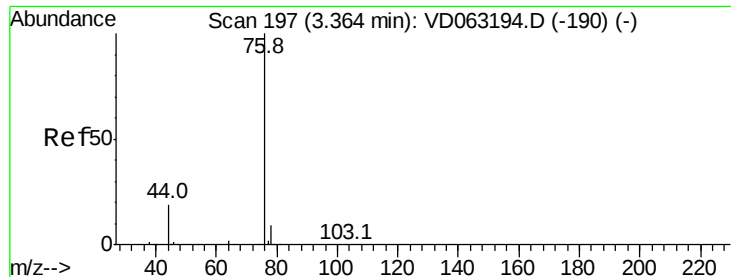
58 15.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

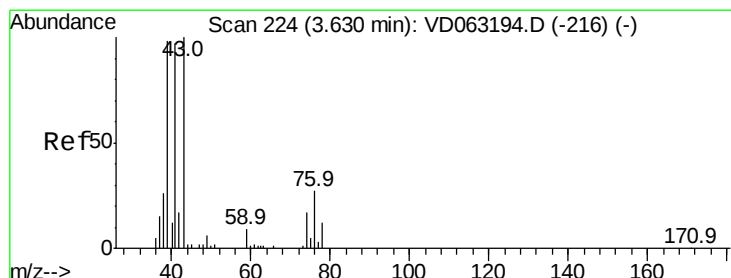
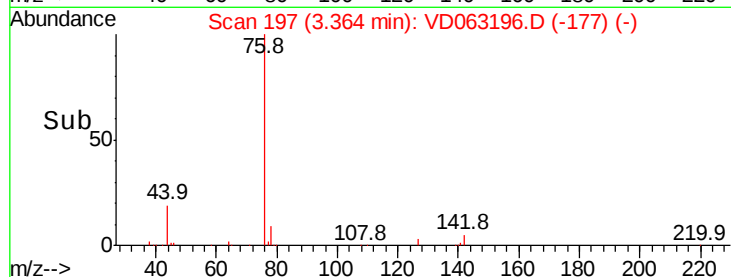
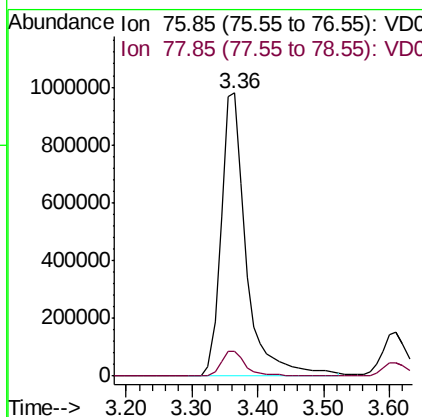
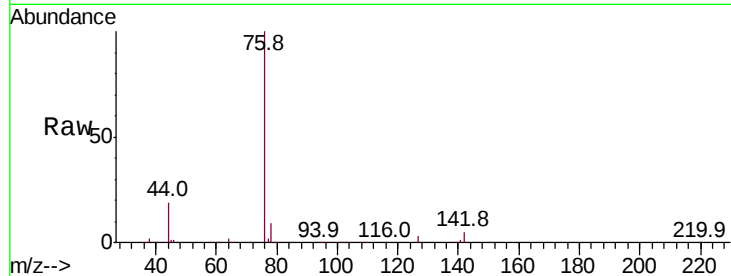




#17
Carbon Disulfide
Concen: 93.823 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

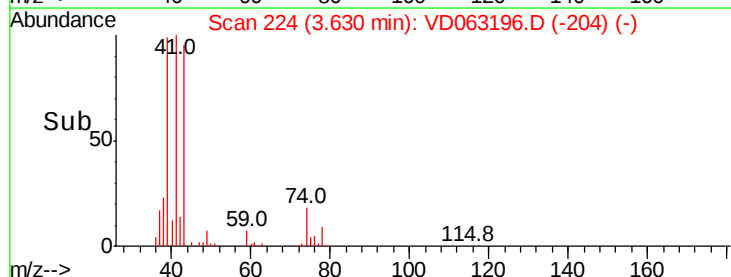
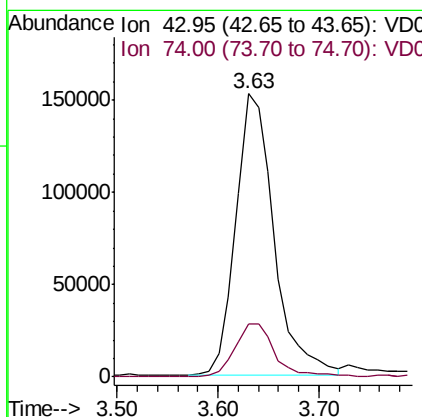
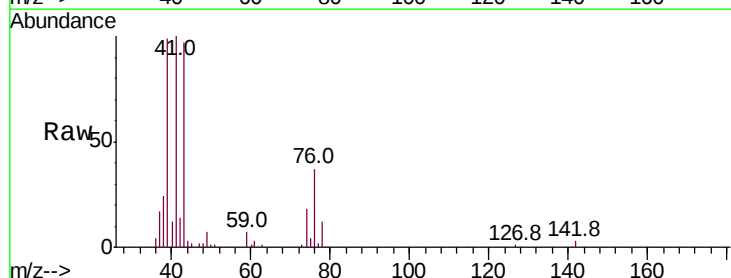
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

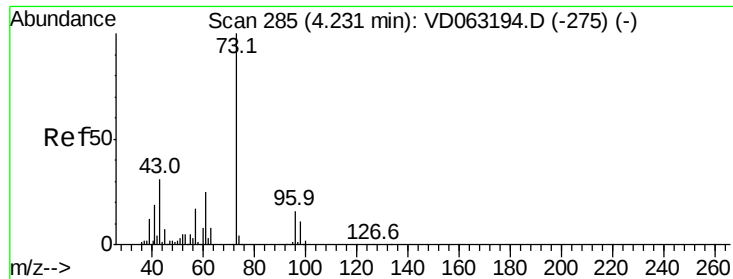
Tot Ion: 76 Resp: 2611210
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 91.134 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 43 Resp: 405712
Ion Ratio Lower Upper
43 100
74 18.6 13.8 20.8





#19

Methyl tert-butyl Ether

Concen: 97.603 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

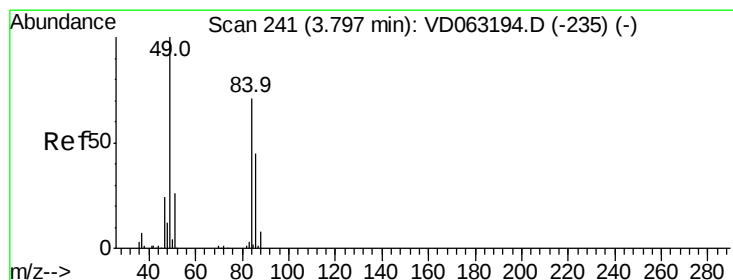
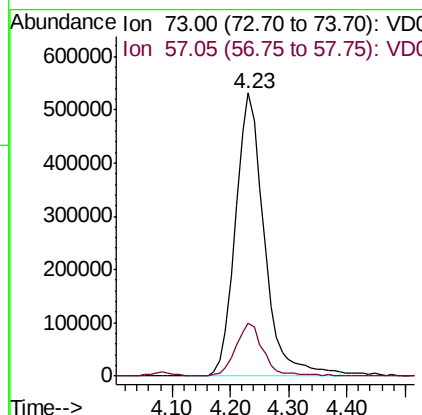
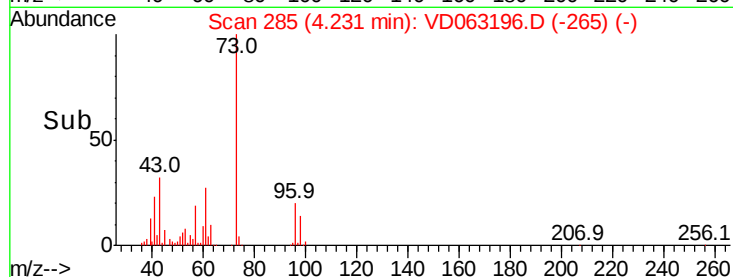
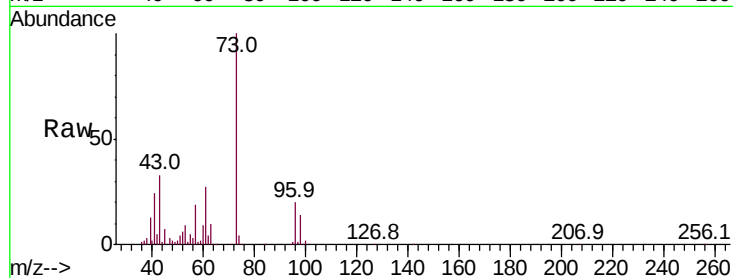
Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1833231

Ion	Ratio	Lower	Upper
73	100		
57	18.6	13.8	20.6



#20

Methylene Chloride

Concen: 88.755 ug/l

RT: 3.81 min Scan# 242

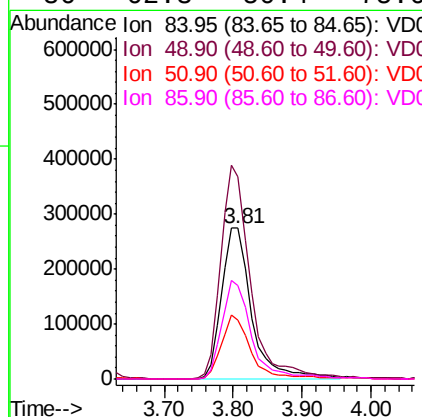
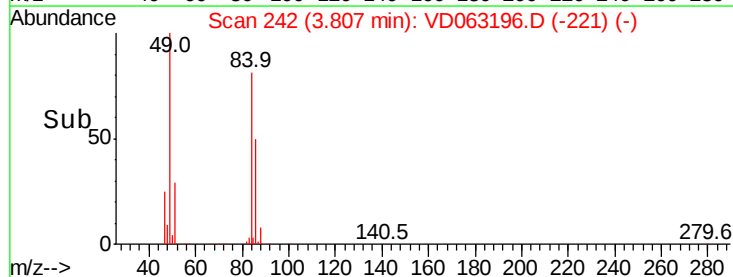
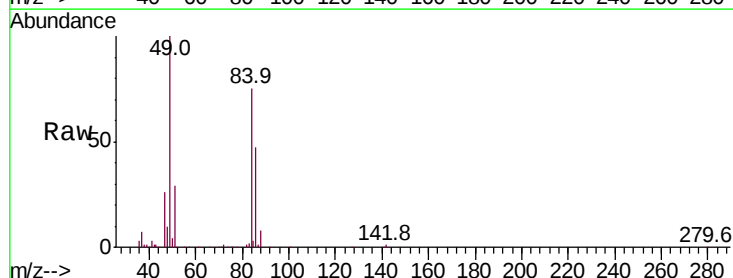
Delta R.T. 0.01 min

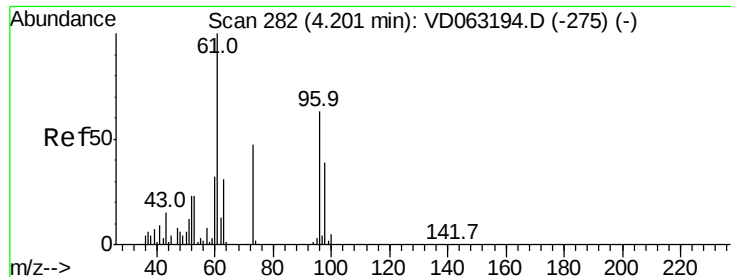
Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Tgt Ion: 84 Resp: 831473

Ion	Ratio	Lower	Upper
84	100		
49	133.7	112.5	168.7
51	39.1	29.6	44.4
86	62.3	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 98.340 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

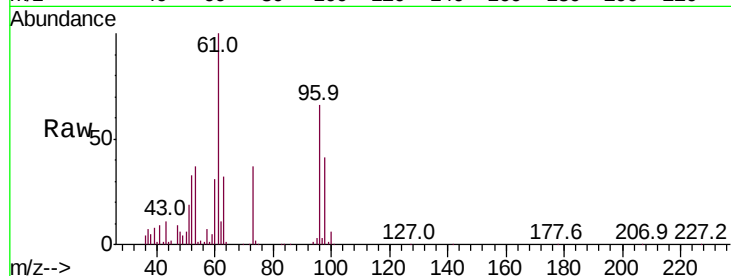
Tot Ion: 96 Resp: 917496

Ion Ratio Lower Upper

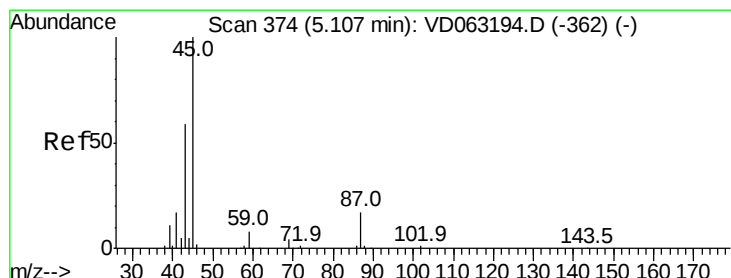
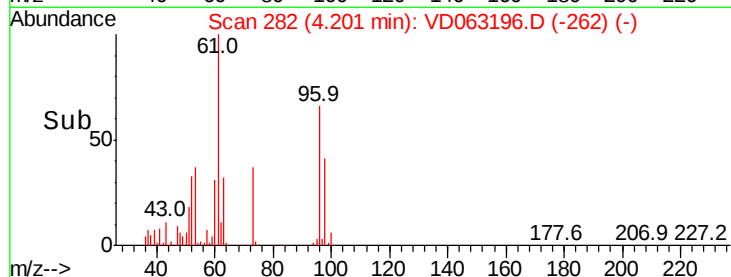
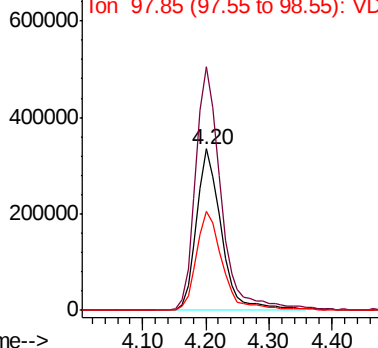
96 100

61 150.9 127.4 191.2

98 61.7 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 101.197 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Tgt Ion: 45 Resp: 2680758

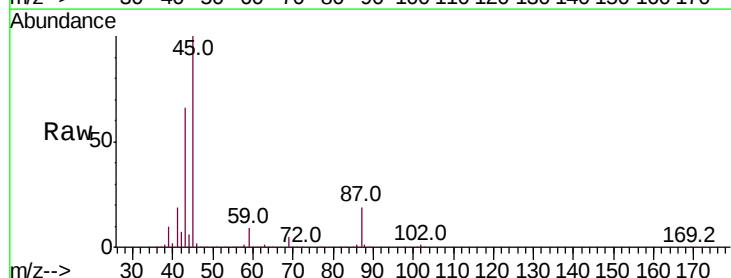
Ion Ratio Lower Upper

45 100

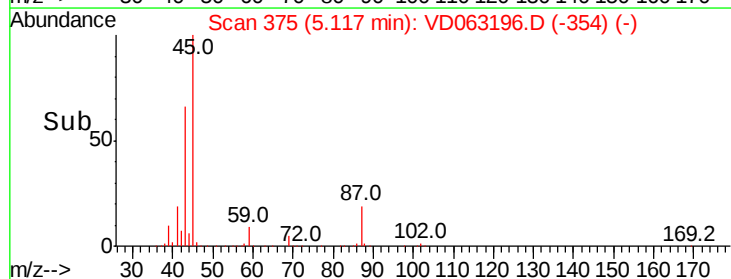
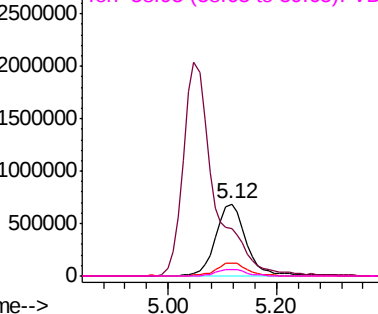
43 66.2 51.7 77.5

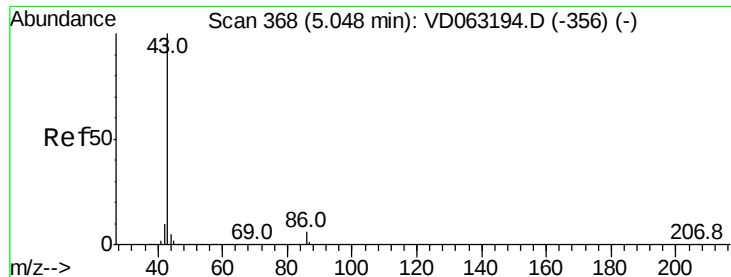
87 18.5 14.6 21.8

59 8.9 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 496.445 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

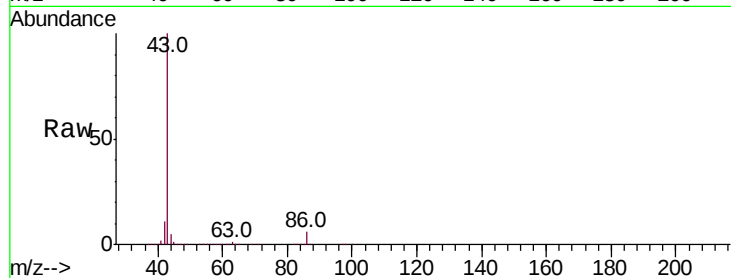
VSTDIC100

Tot Ion: 43 Resp: 8076043

Ion Ratio Lower Upper

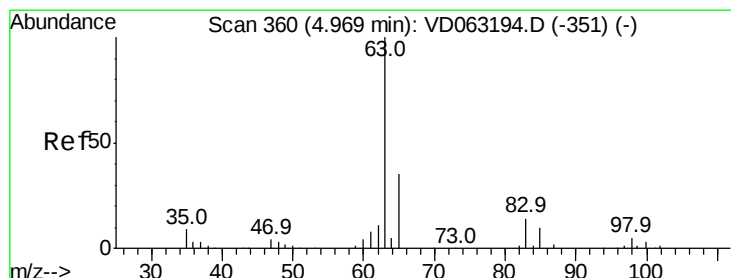
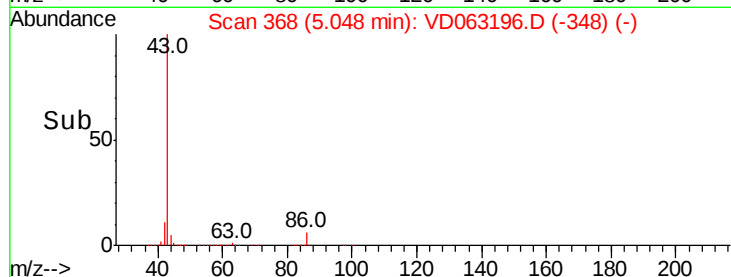
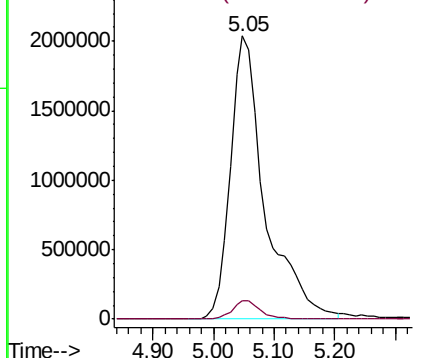
43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 93.973 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

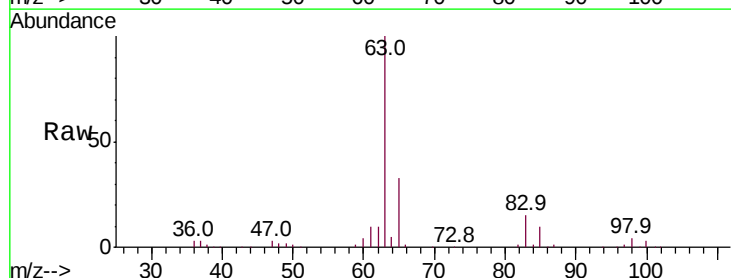
Tgt Ion: 63 Resp: 1588541

Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.4

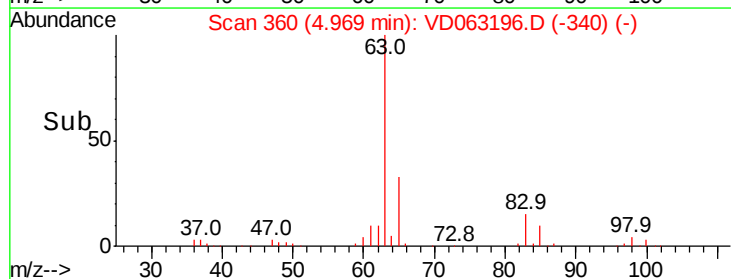
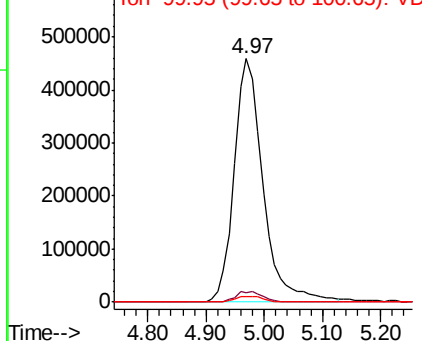
100 2.5 1.3 3.9

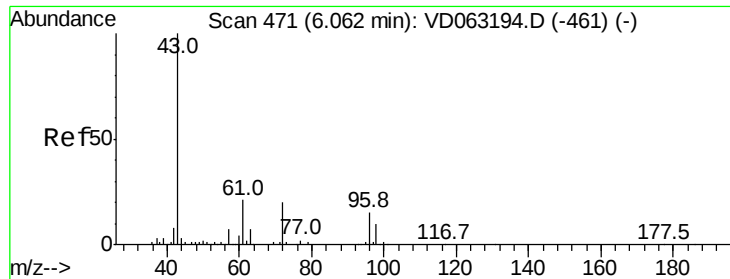


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 524.986 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

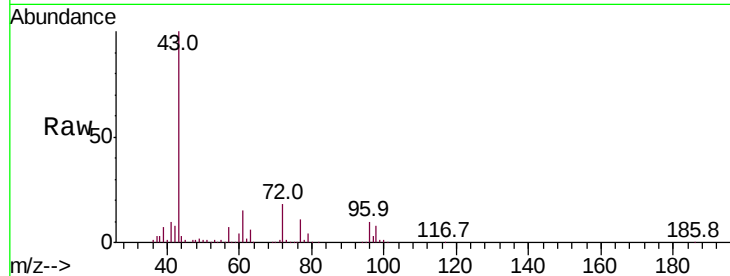
VSTDIC100

Tot Ion: 43 Resp: 1221092

Ion Ratio Lower Upper

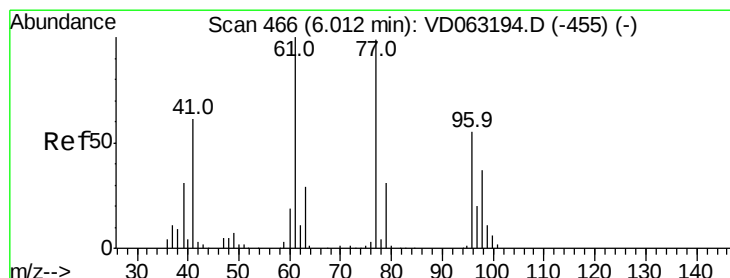
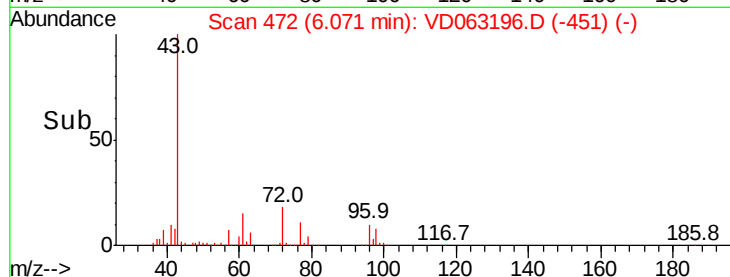
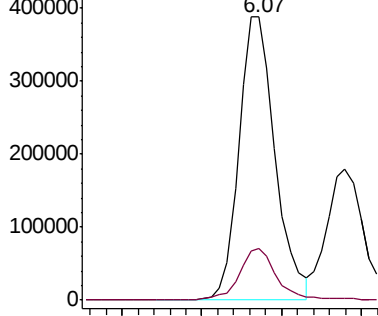
43 100

72 18.4 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 92.150 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063196.D

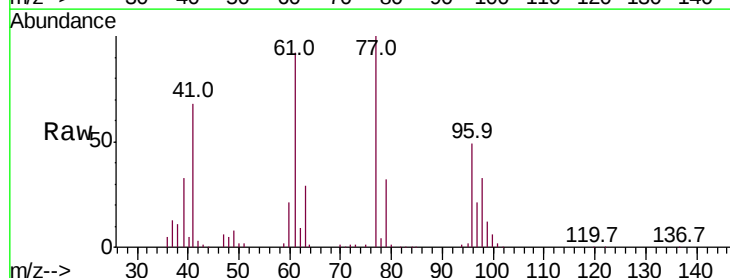
Acq: 29 Jul 2019 13:30

Tgt Ion: 77 Resp: 1605298

Ion Ratio Lower Upper

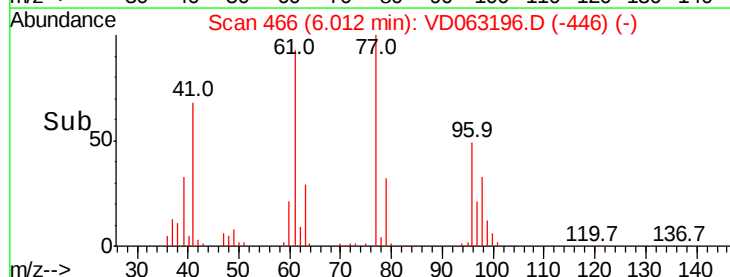
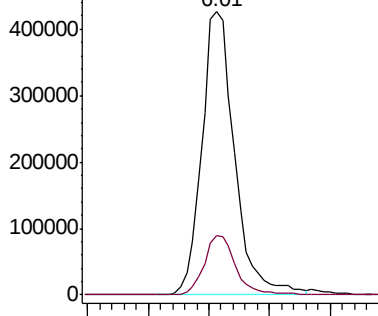
77 100

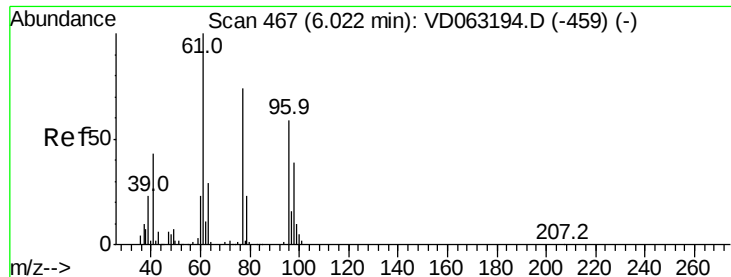
97 21.1 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 93.640 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

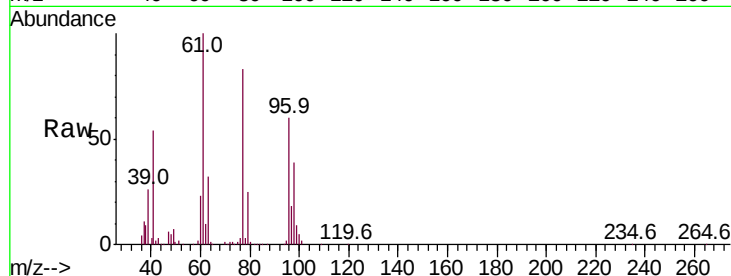
Tot Ion: 96 Resp: 936675

Ion Ratio Lower Upper

96 100

61 168.1 0.0 337.2

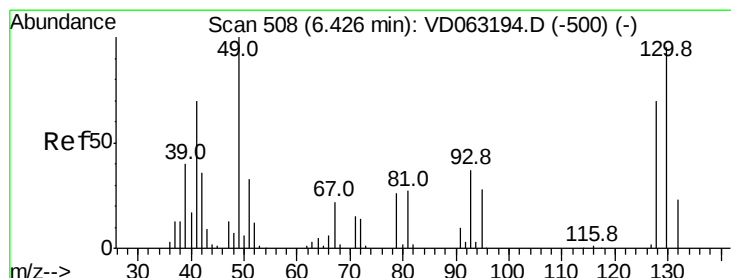
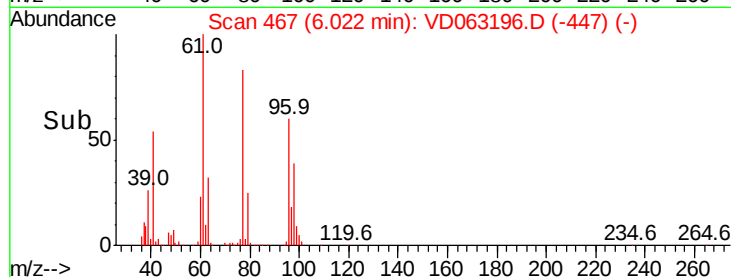
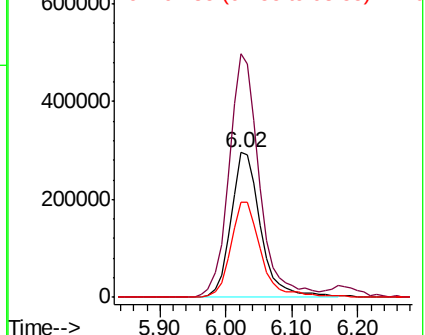
98 66.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 97.912 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

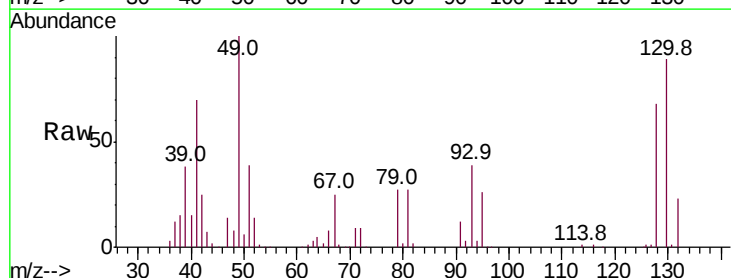
Tgt Ion: 49 Resp: 660652

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

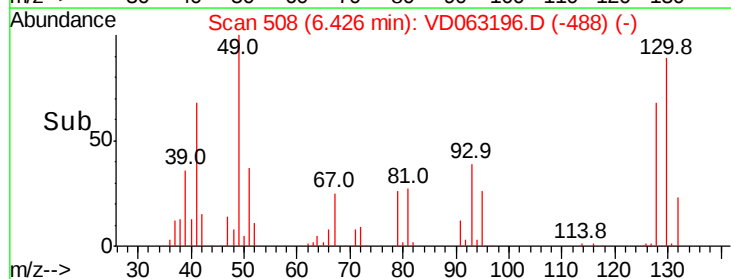
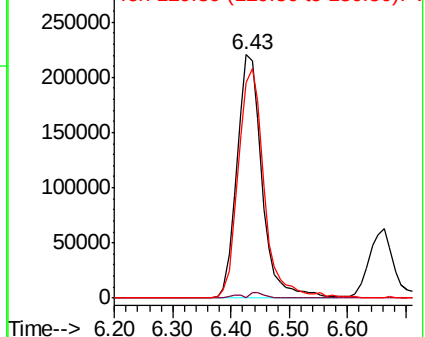
130 88.7 75.7 113.5

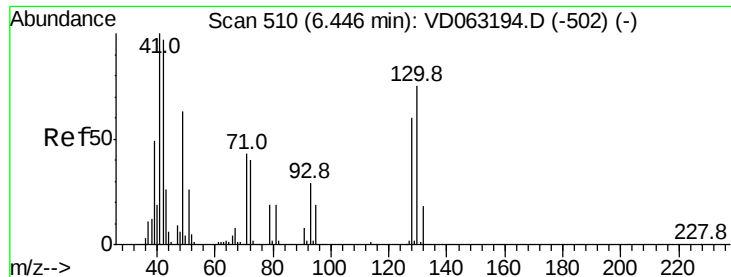


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 489.199 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

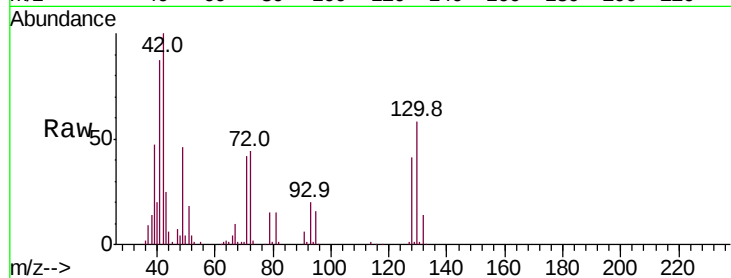
Tot Ion: 42 Resp: 538716

Ion Ratio Lower Upper

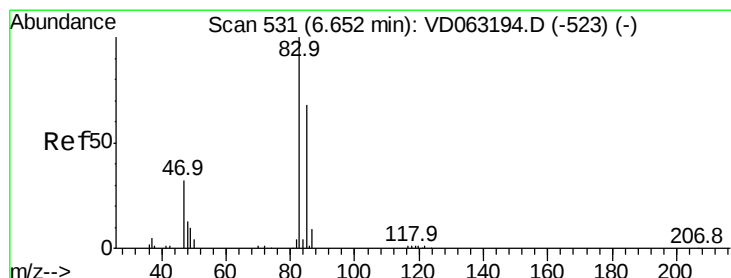
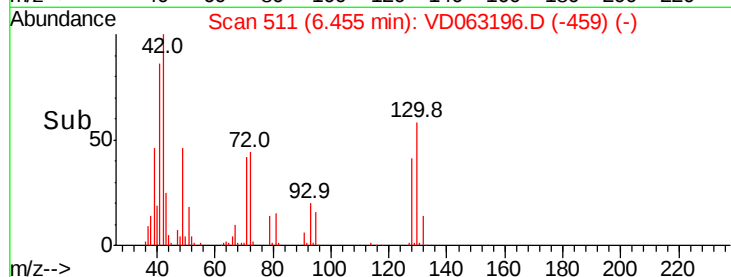
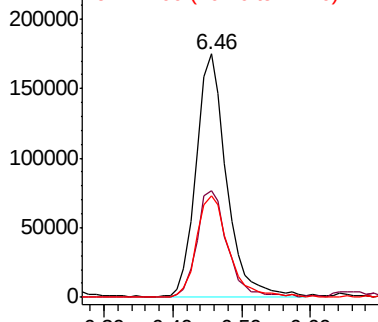
42 100

72 44.0 33.4 50.2

71 43.7 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 91.448 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063196.D

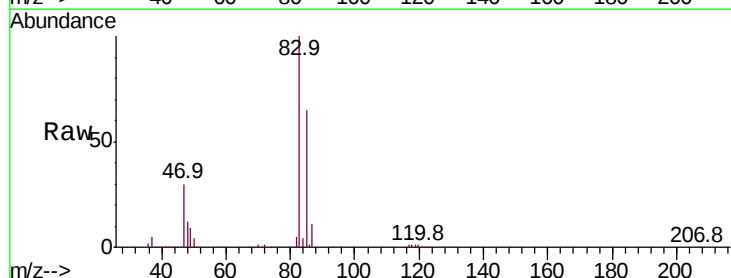
Acq: 29 Jul 2019 13:30

Tgt Ion: 83 Resp: 1918437

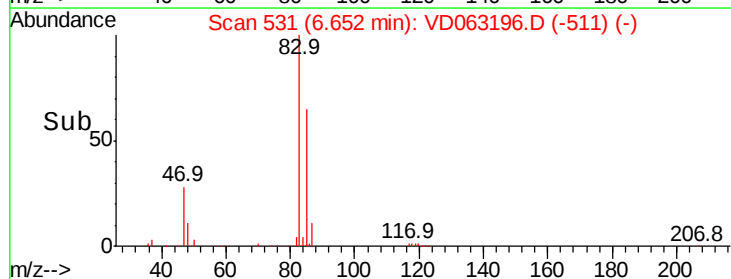
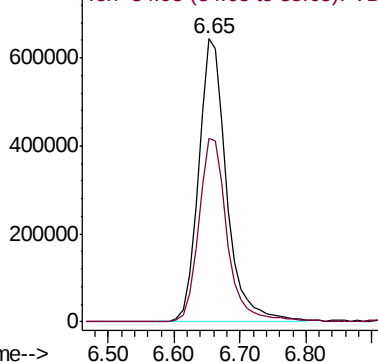
Ion Ratio Lower Upper

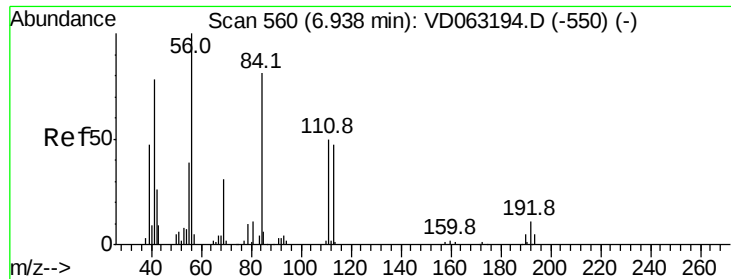
83 100

85 64.8 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

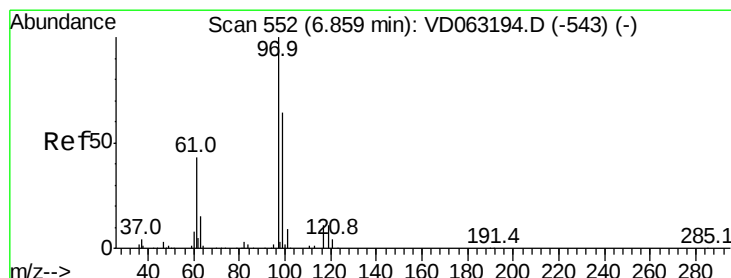
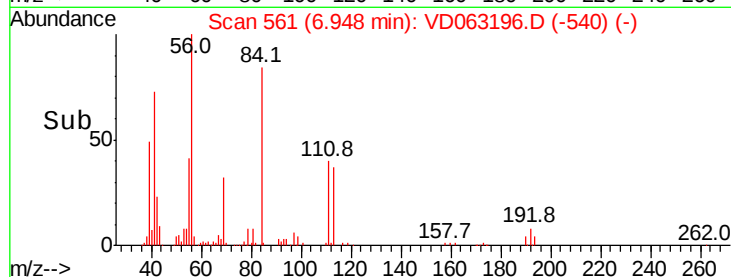
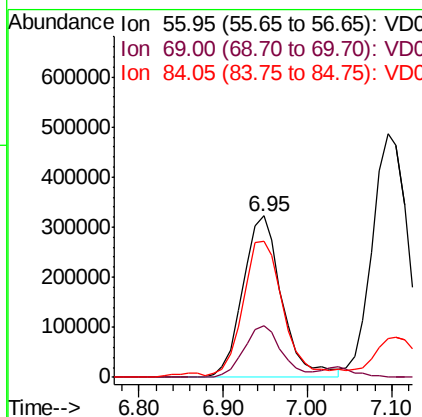
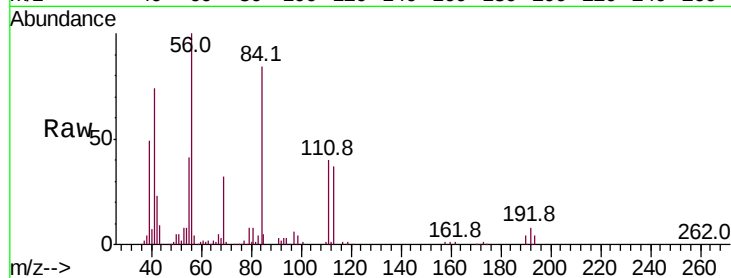




#31
Cyclohexane
Concen: 99.010 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

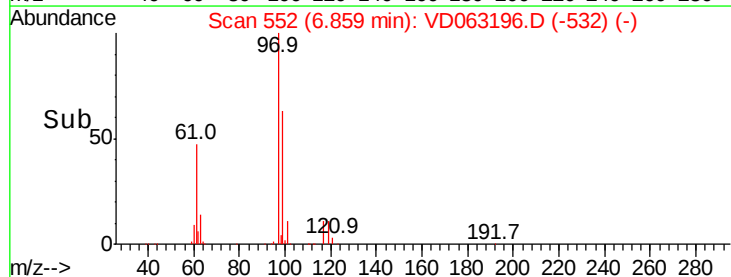
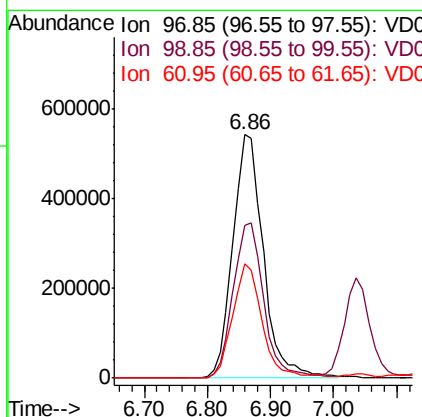
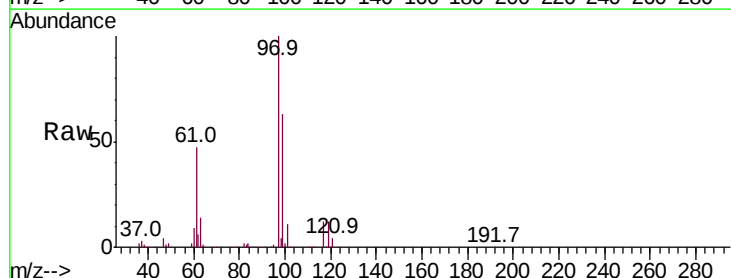
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

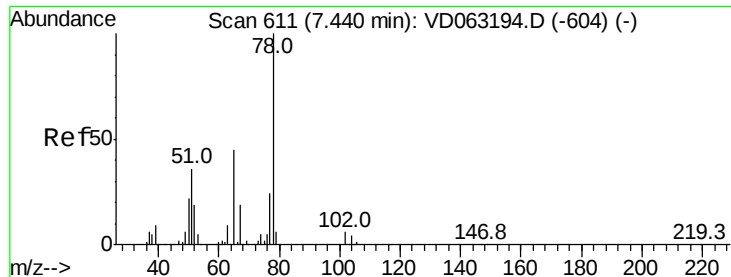
Tot Ion: 56 Resp: 1049085
Ion Ratio Lower Upper
56 100
69 32.3 24.5 36.7
84 84.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 89.600 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 97 Resp: 1818123
Ion Ratio Lower Upper
97 100
99 62.7 51.2 76.8
61 46.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 101.375 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

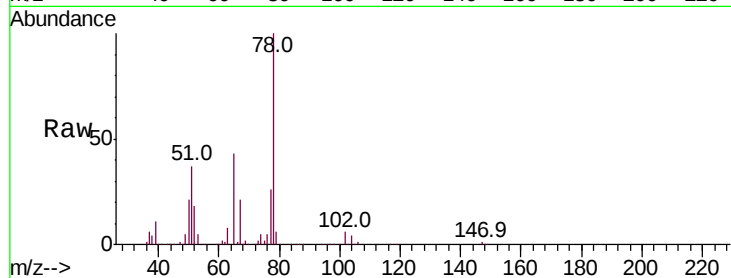
VSTDIC100

Tot Ion: 65 Resp: 1205874

Ion Ratio Lower Upper

65 100

67 47.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

400000

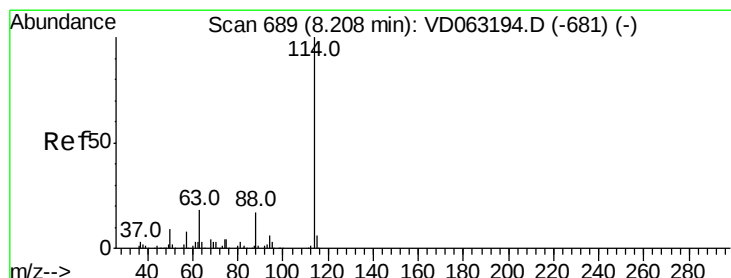
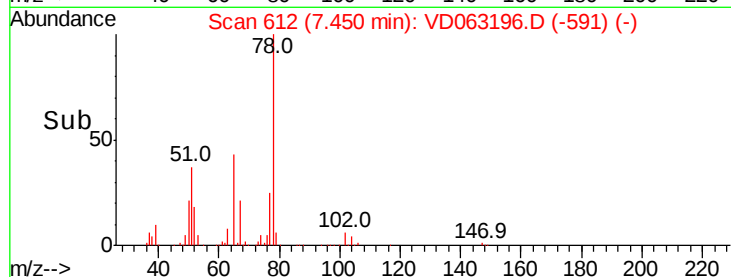
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

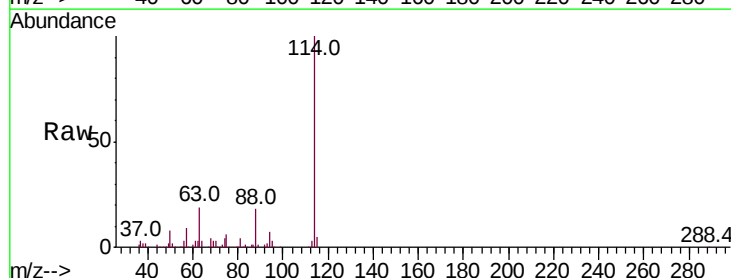
Tgt Ion: 114 Resp: 1511049

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.2

88 17.8 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

800000

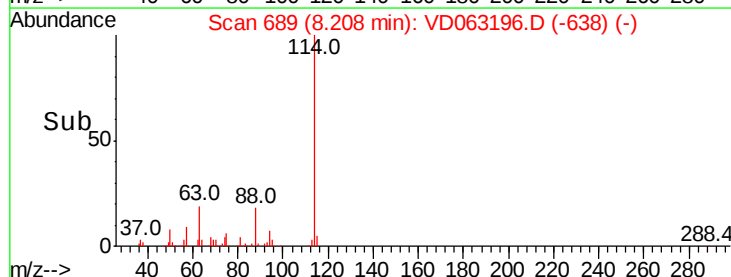
600000

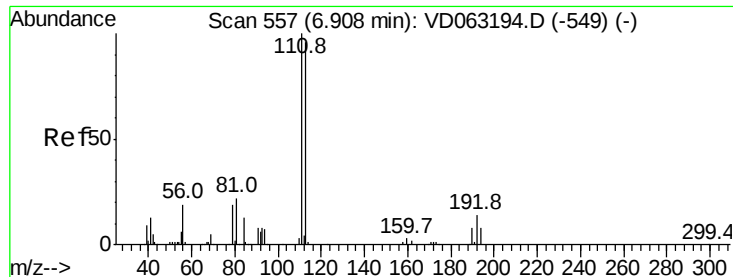
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 104.104 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

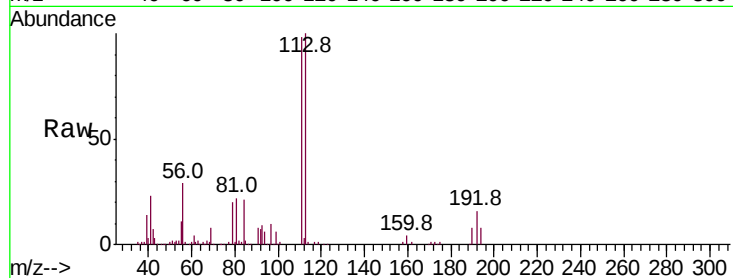
Tot Ion:113 Resp: 1343057

Ion Ratio Lower Upper

113 100

111 97.5 83.2 124.8

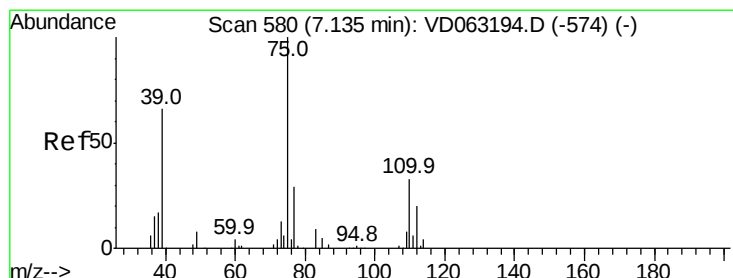
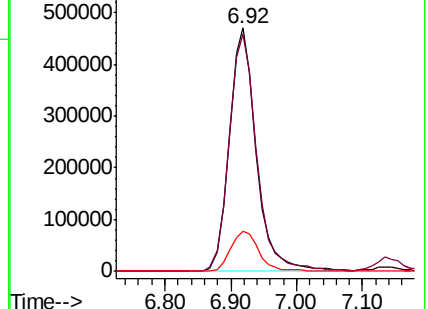
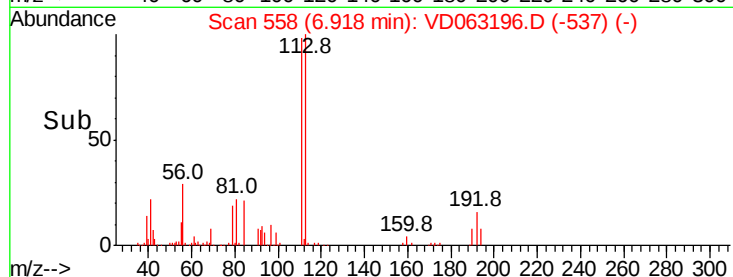
192 16.4 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 94.224 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

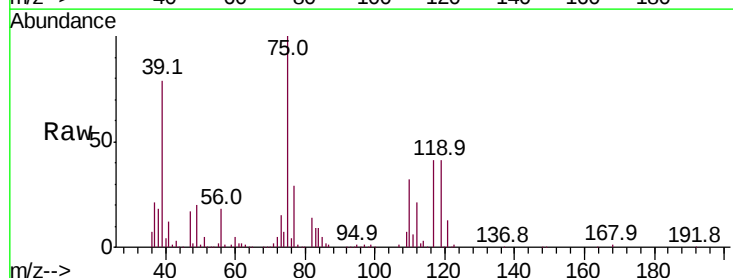
Tgt Ion: 75 Resp: 1299375

Ion Ratio Lower Upper

75 100

110 32.4 16.1 48.2

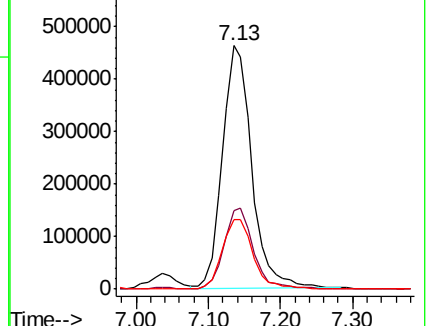
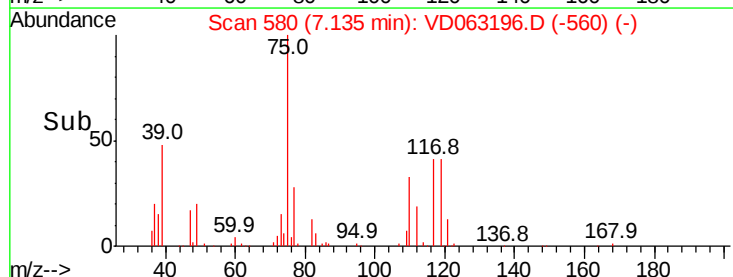
77 28.6 22.7 34.1

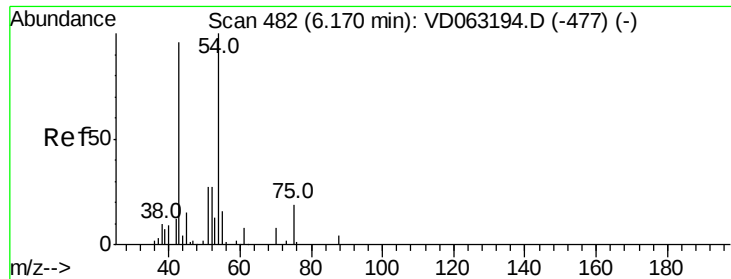


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

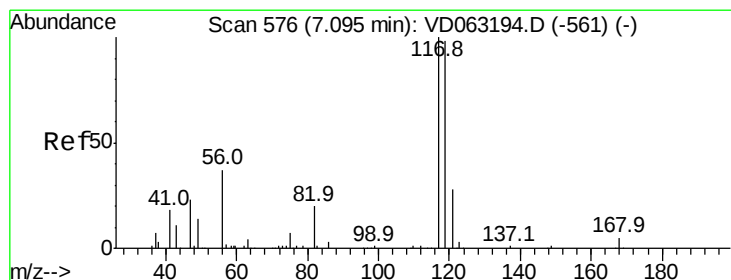
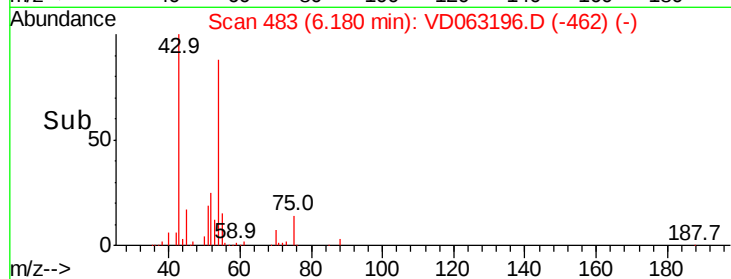
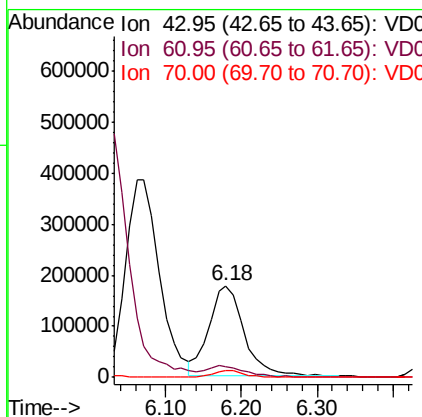
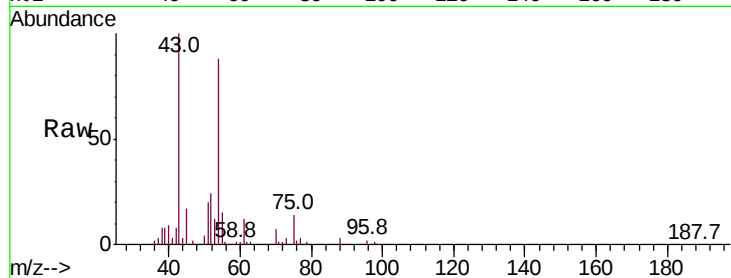




#37
Ethyl Acetate
Concen: 93.127 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

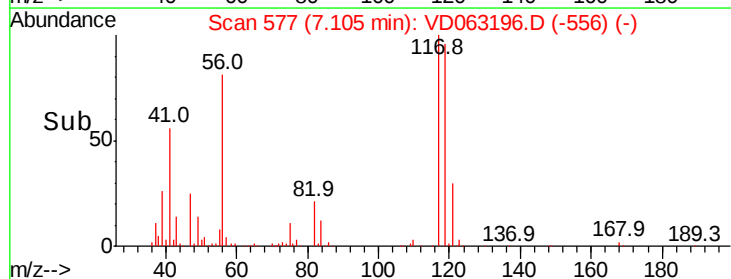
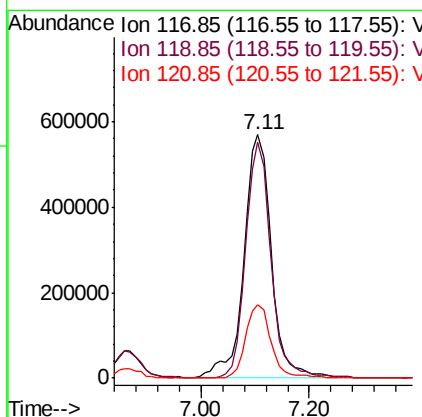
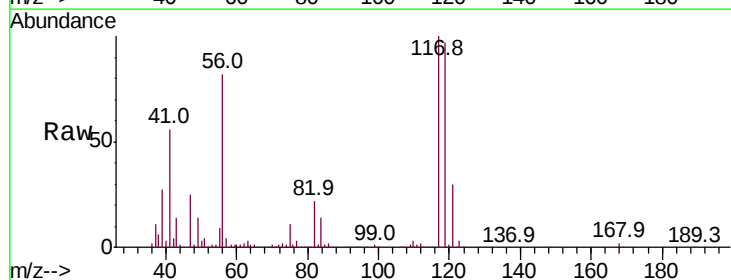
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

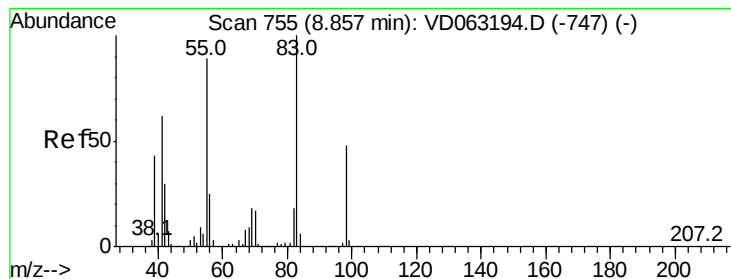
Tot Ion: 43 Resp: 575767
Ion Ratio Lower Upper
43 100
61 12.0 11.3 16.9
70 7.3 5.1 7.7



#38
Carbon Tetrachloride
Concen: 95.265 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 117 Resp: 1977761
Ion Ratio Lower Upper
117 100
119 96.7 78.2 117.2
121 30.4 22.1 33.1





#39

Methvlcvclohexane

Concen: 88.718 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

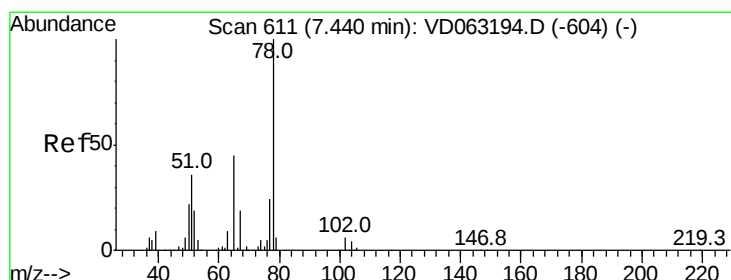
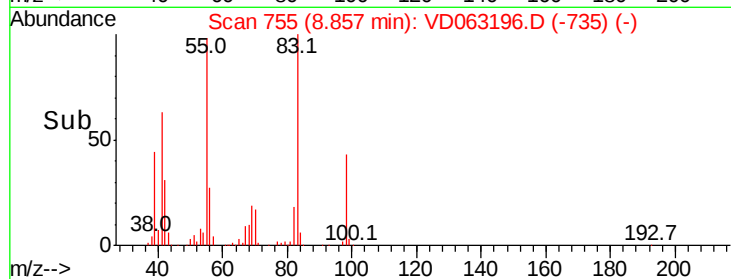
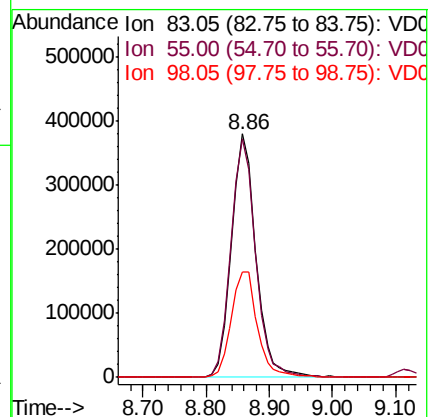
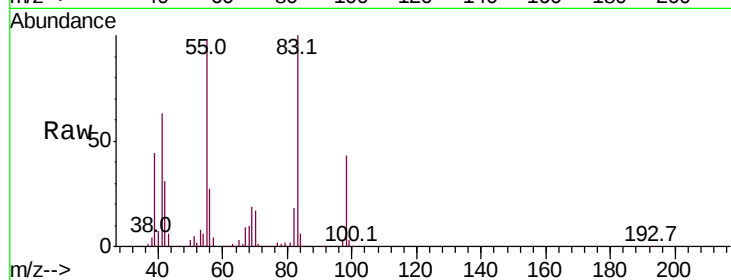
Tot Ion: 83 Resp: 1019334

Ion Ratio Lower Upper

83 100

55 97.8 71.1 106.7

98 43.4 38.5 57.7



#40

Benzene

Concen: 95.348 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063196.D

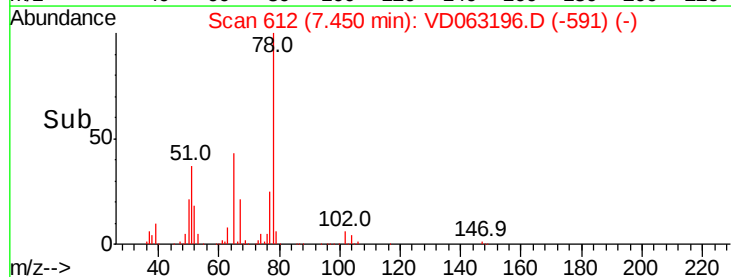
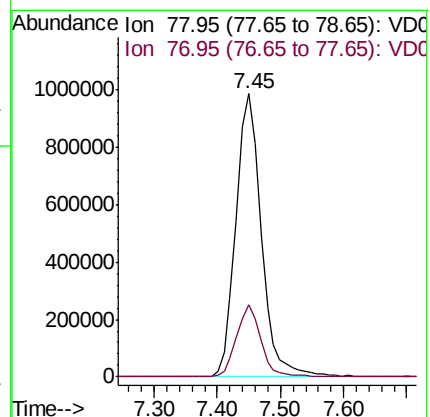
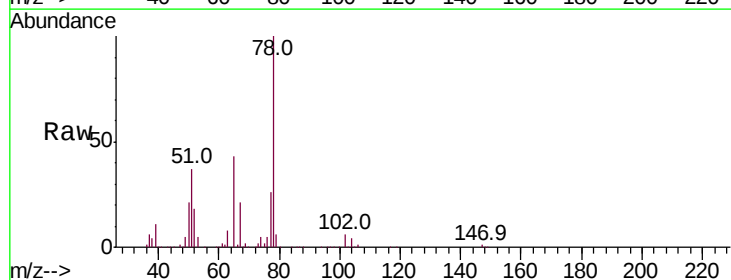
Acq: 29 Jul 2019 13:30

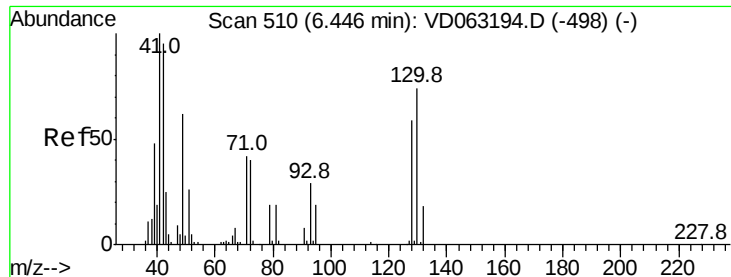
Tgt Ion: 78 Resp: 2755736

Ion Ratio Lower Upper

78 100

77 25.6 19.4 29.2

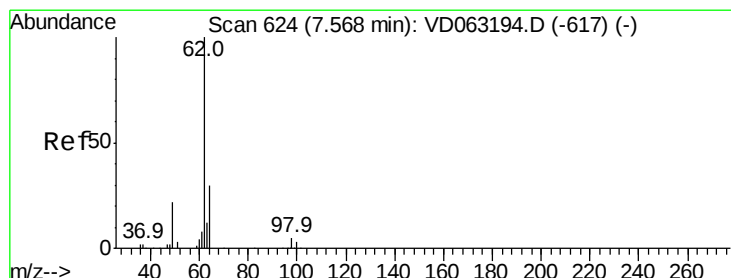
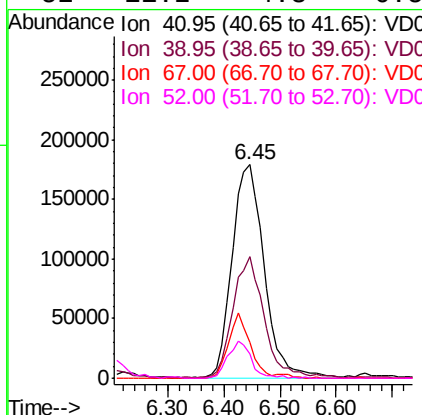
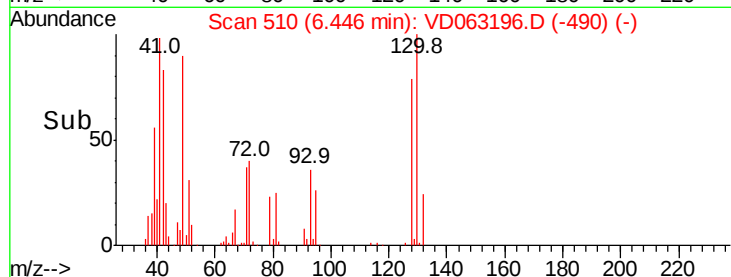
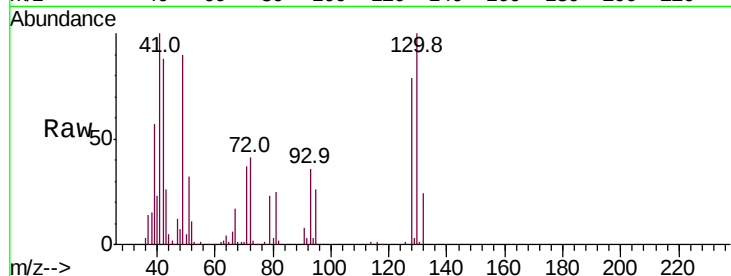




#41
Methacrylonitrile
Concen: 95.311 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

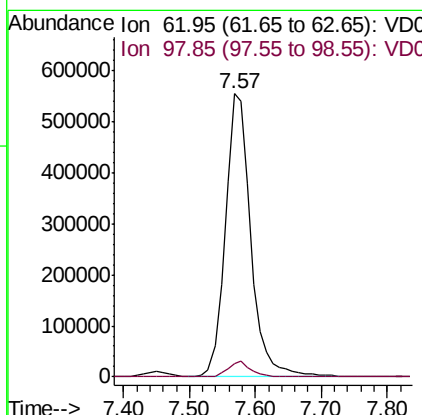
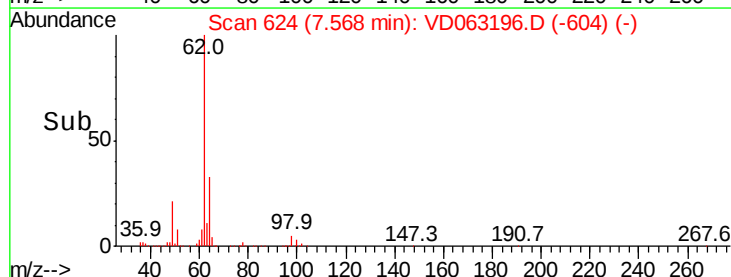
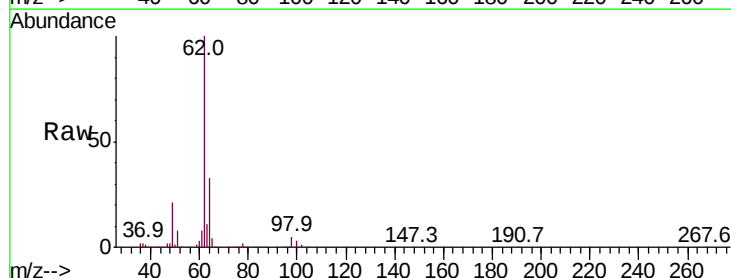
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

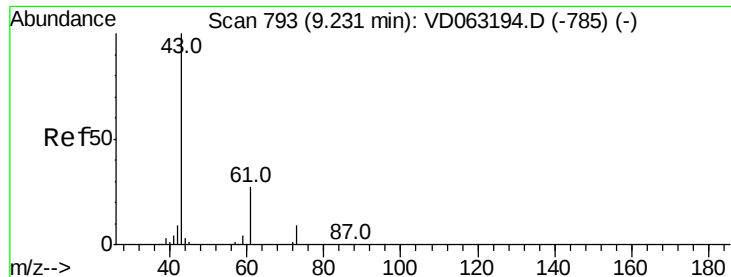
Tot Ion: 41 Resp: 706341
Ion Ratio Lower Upper
41 100
39 57.1 38.4 57.6
67 17.1 6.7 10.1#
52 11.2 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 97.549 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 62 Resp: 1494190
Ion Ratio Lower Upper
62 100
98 4.9 0.0 9.8



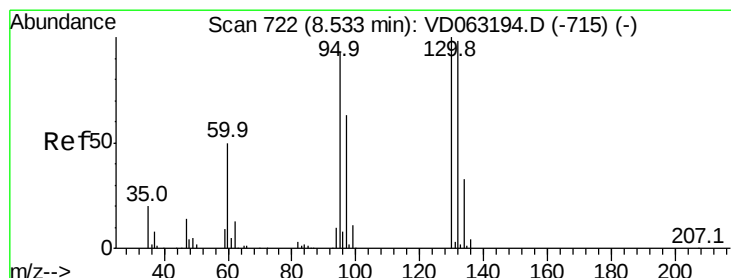
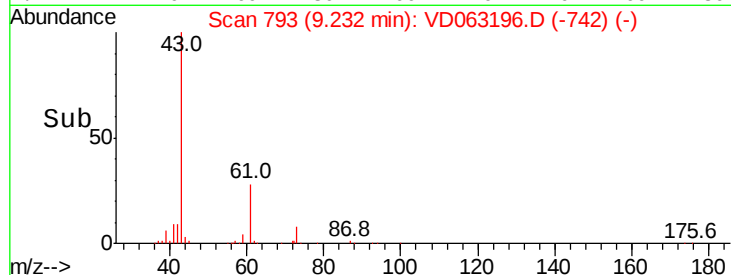
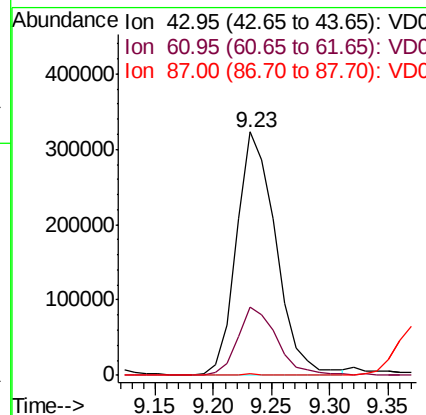
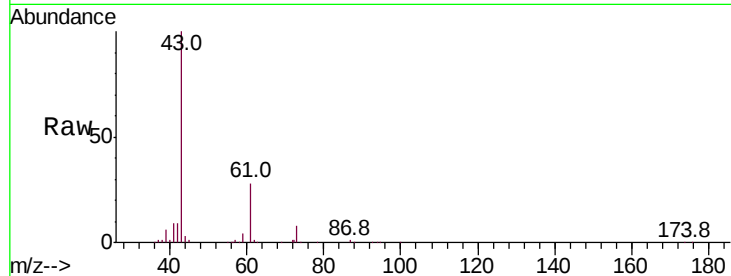


#43

Isopropyl Acetate
 Concen: 94.678 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

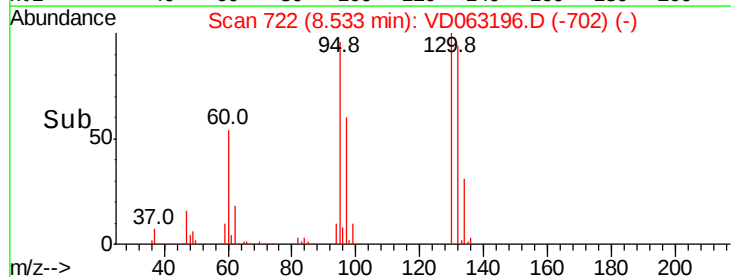
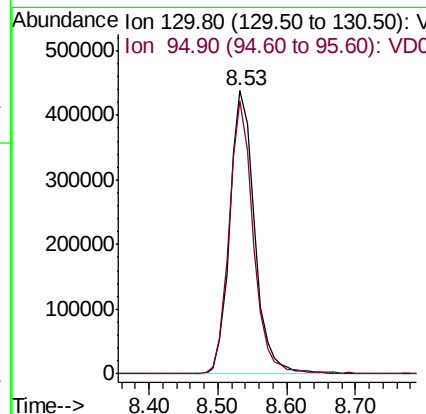
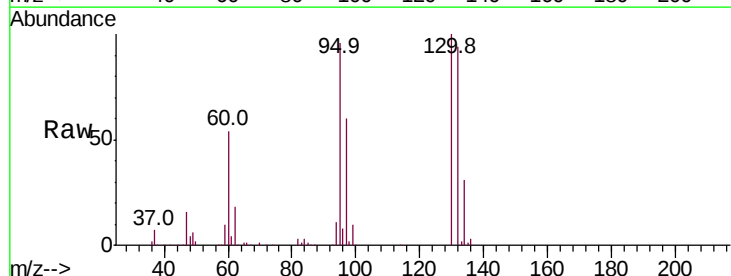
Tot Ion: 43 Resp: 749278
 Ion Ratio Lower Upper
 43 100
 61 28.1 21.4 32.0
 87 0.6 0.2 0.4#

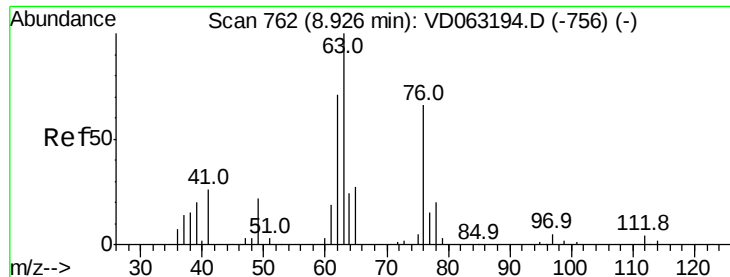


#44

Trichloroethene
 Concen: 93.281 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion:130 Resp: 1092450
 Ion Ratio Lower Upper
 130 100
 95 96.4 0.0 185.4





#45

1,2-Dichloropropane

Concen: 99.206 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

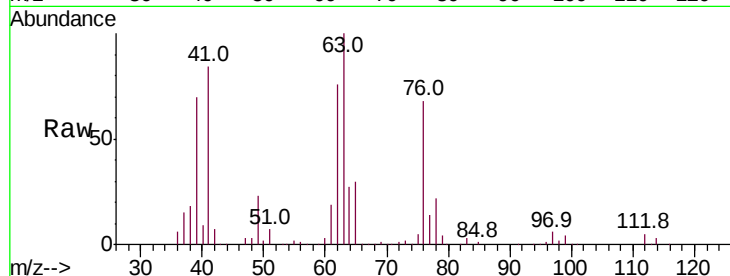
VSTDIC100

Tot Ion: 63 Resp: 728778

Ion Ratio Lower Upper

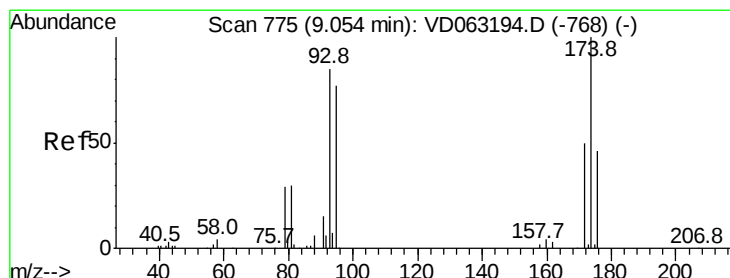
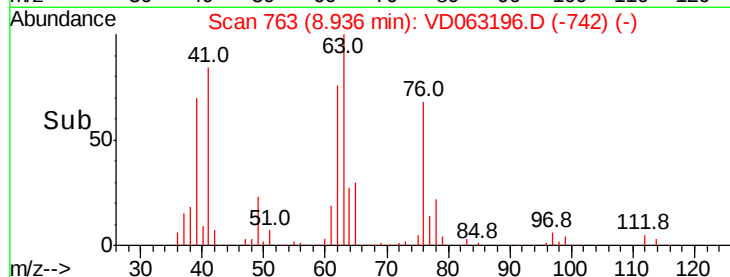
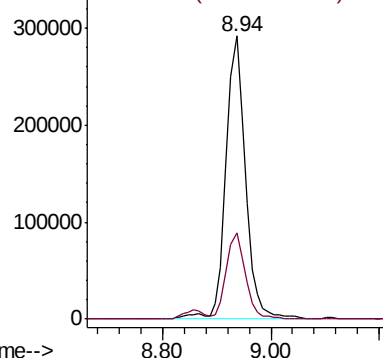
63 100

65 30.4 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 98.446 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

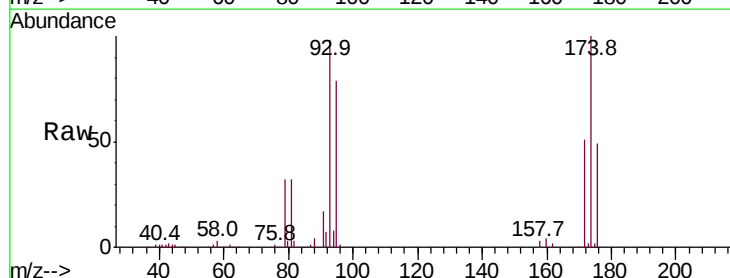
Tgt Ion: 93 Resp: 601321

Ion Ratio Lower Upper

93 100

95 80.0 72.8 109.2

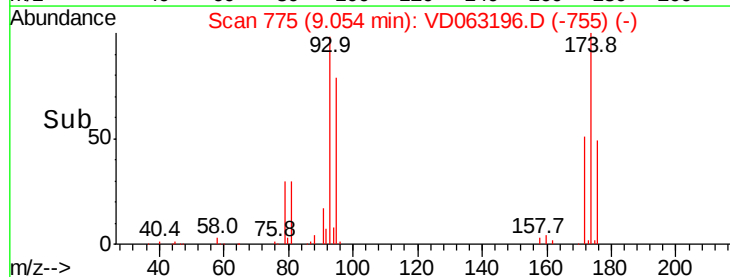
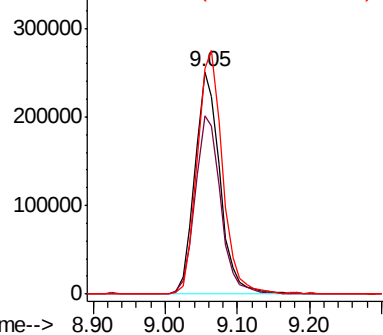
174 101.8 94.4 141.6

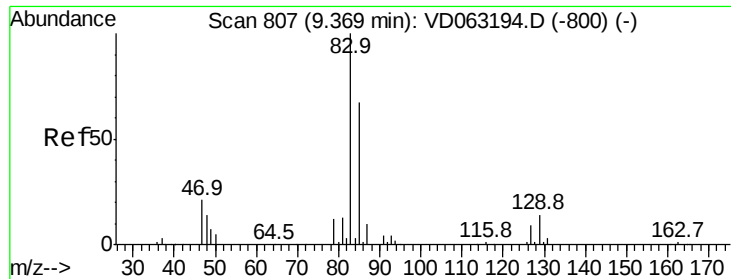


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 96.681 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

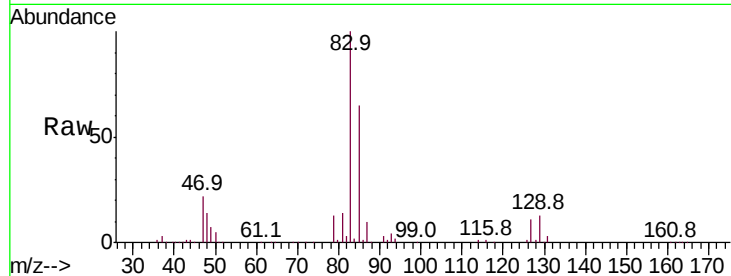
Tot Ion: 83 Resp: 1505354

Ion Ratio Lower Upper

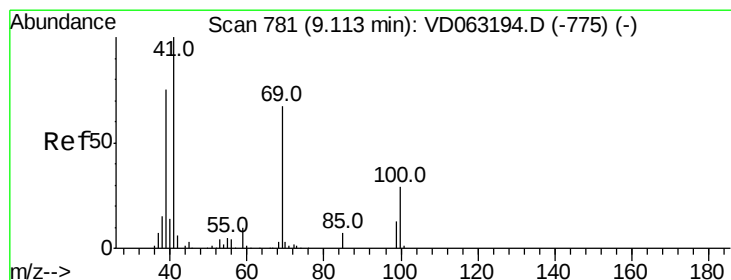
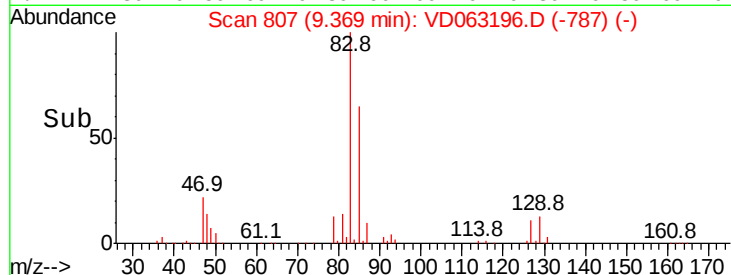
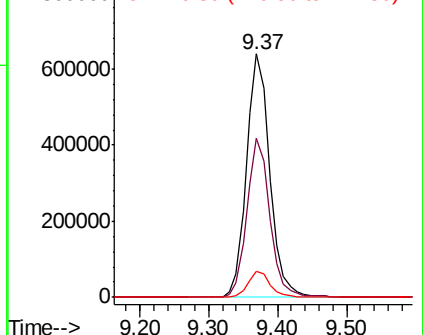
83 100

85 65.4 53.6 80.4

127 10.6 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 103.316 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

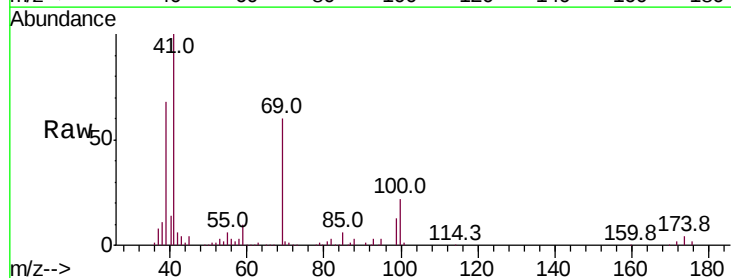
Tgt Ion: 41 Resp: 530290

Ion Ratio Lower Upper

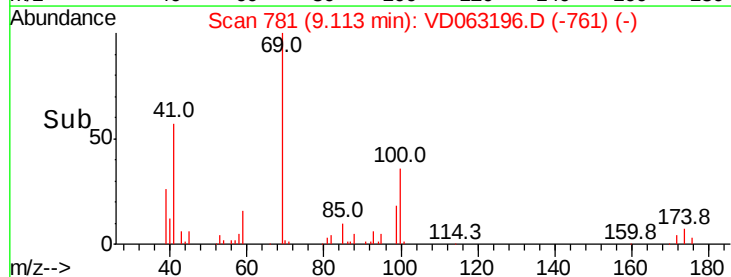
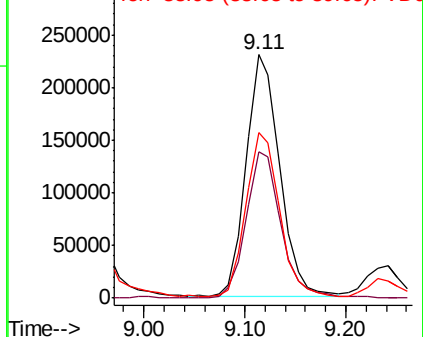
41 100

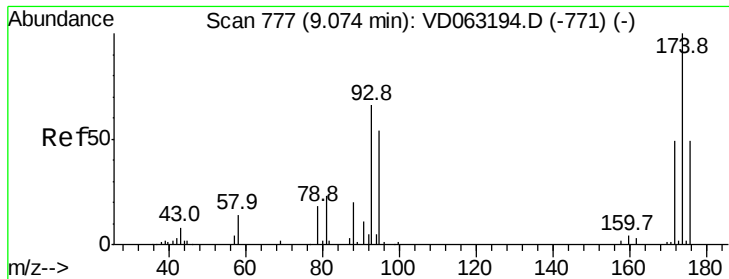
69 59.9 53.4 80.0

39 68.1 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

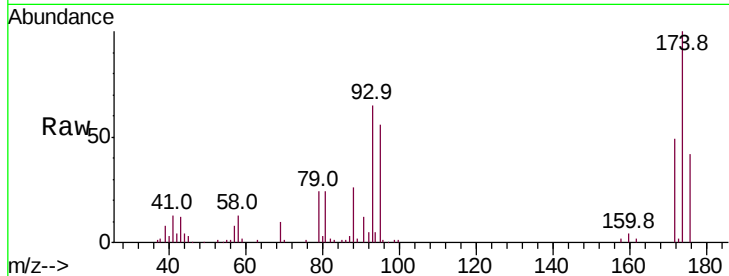




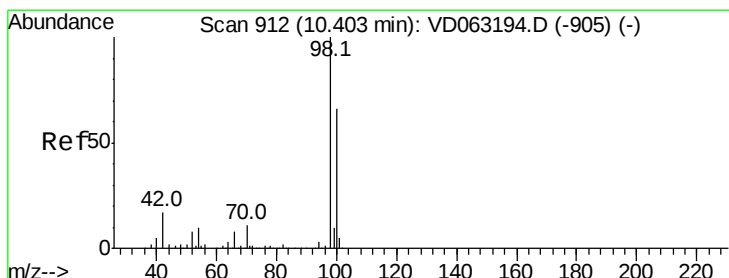
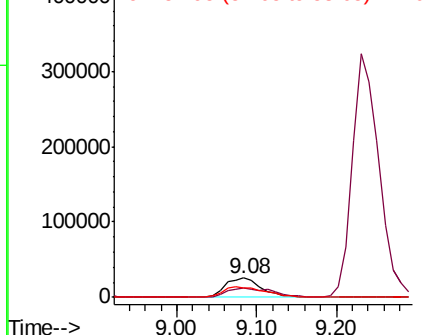
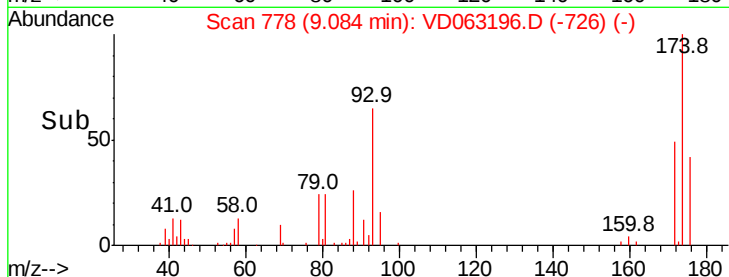
#49
 1,4-Dioxane
 Concen: 1963.896 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	88	Resp	83396
Ion	Ratio	Lower	Upper
88	100		
43	47.5	30.7	46.1#
58	49.6	56.5	84.7#

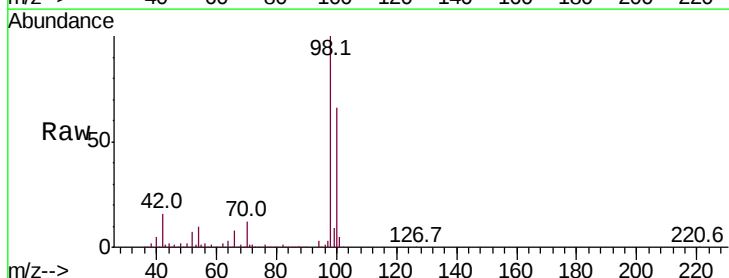


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

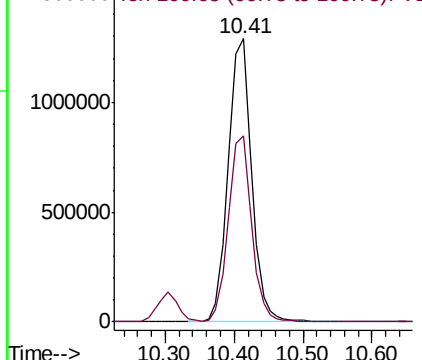
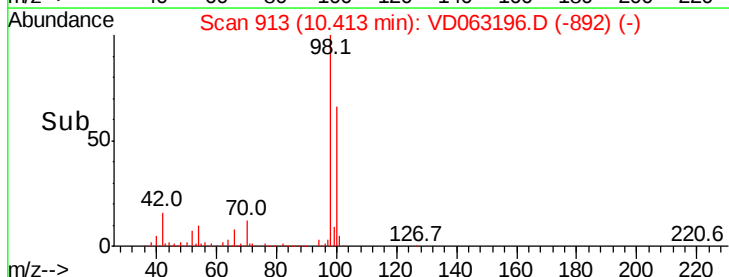


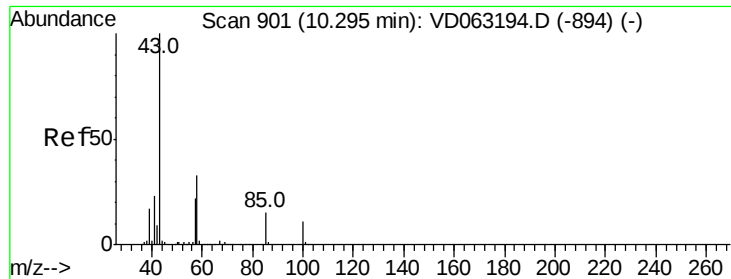
#50
 Toluene-d8
 Concen: 105.520 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion	98	Resp	3046648
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

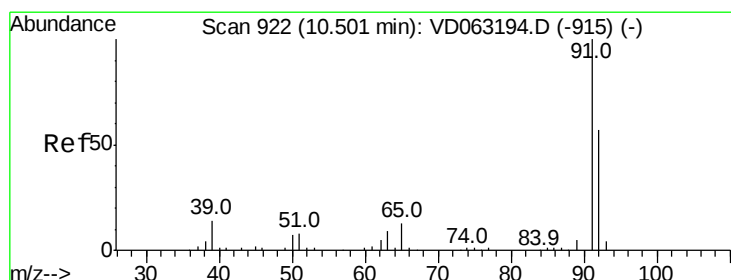
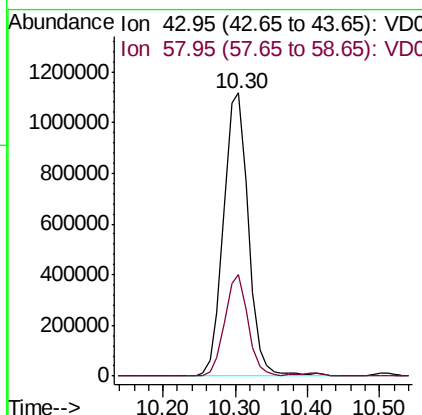
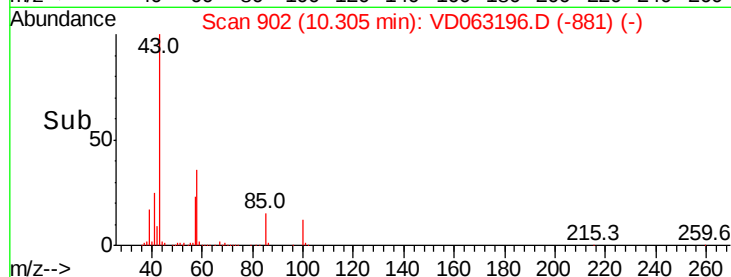
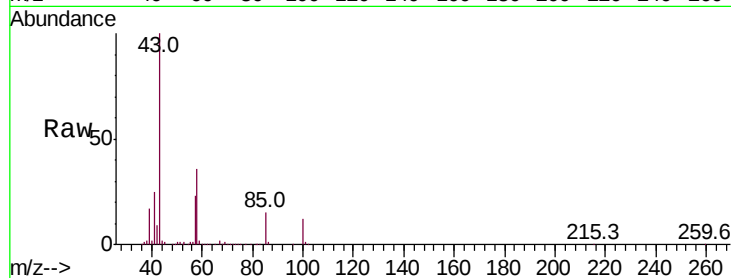




#51
4-Methyl-2-Pentanone
Concen: 496.449 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

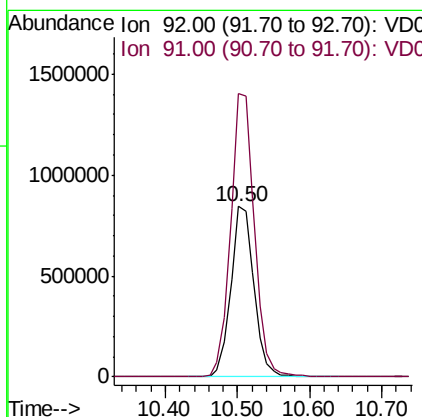
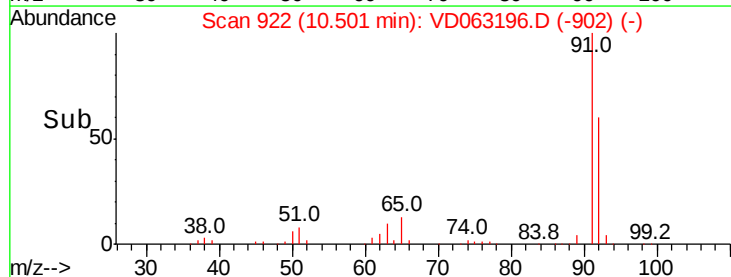
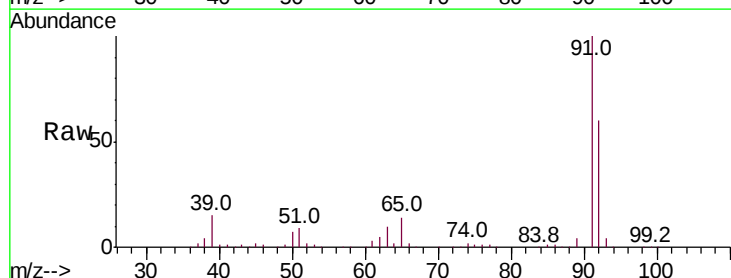
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

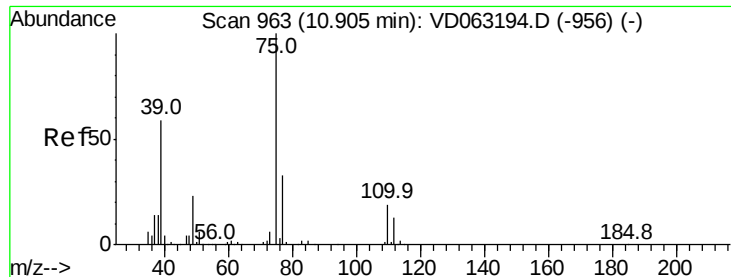
Tot Ion: 43 Resp: 2671968
Ion Ratio Lower Upper
43 100
58 35.9 26.2 39.2



#52
Toluene
Concen: 98.748 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 92 Resp: 1898199
Ion Ratio Lower Upper
92 100
91 166.3 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 96.958 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

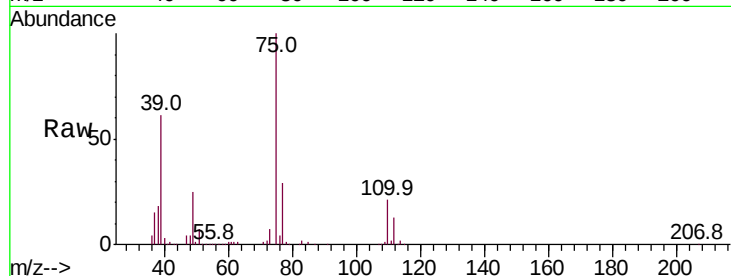
VSTDIC100

Tot Ion: 75 Resp: 1301541

Ion Ratio Lower Upper

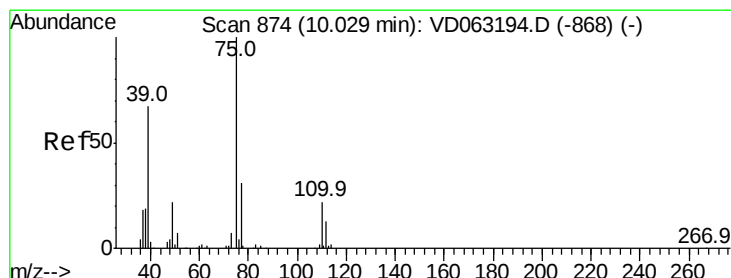
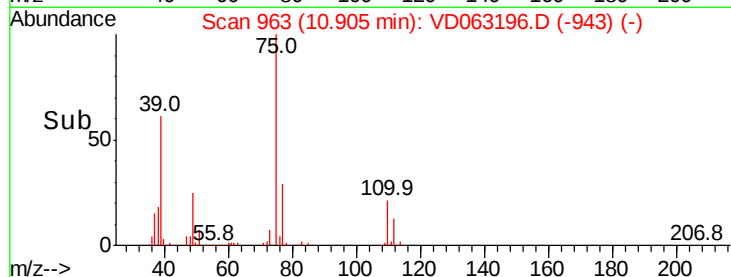
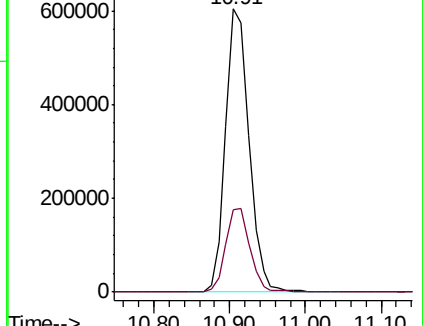
75 100

77 29.1 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 99.762 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

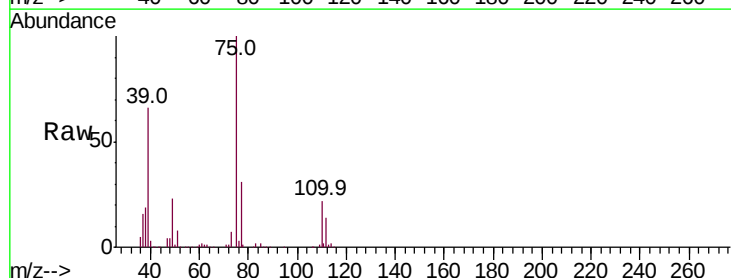
Tgt Ion: 75 Resp: 1407445

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

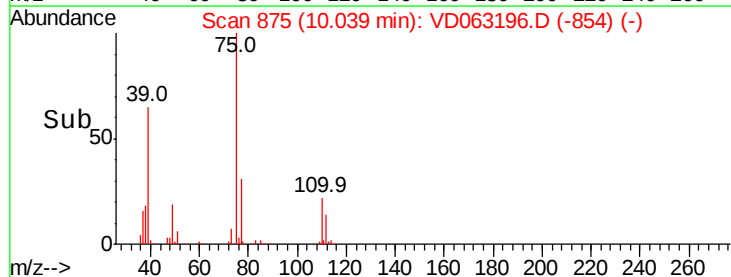
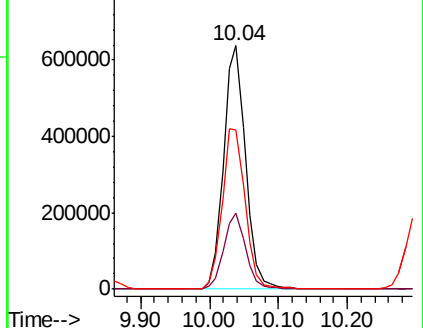
39 65.5 53.9 80.9

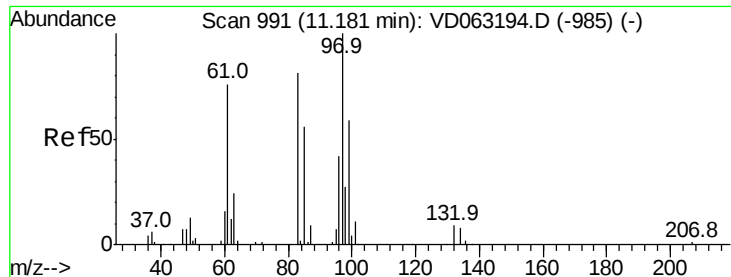


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

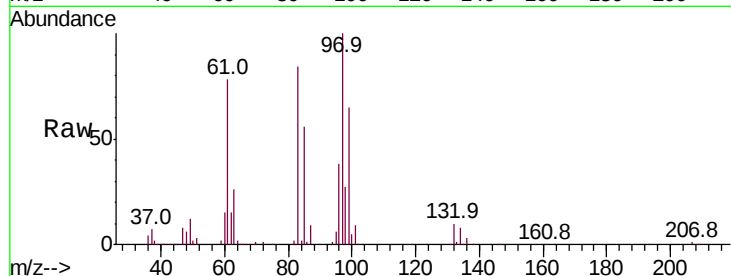




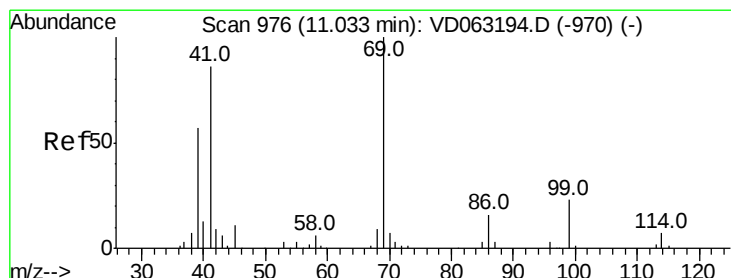
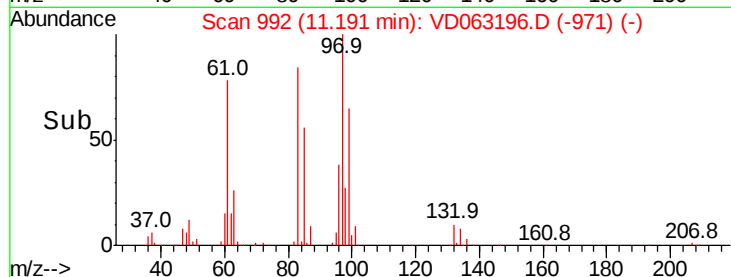
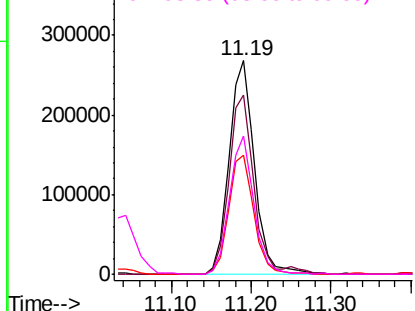
#55
1,1,2-Trichloroethane
Concen: 92.068 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 97 Resp: 597718
Ion Ratio Lower Upper
97 100
83 84.1 64.8 97.2
85 55.5 44.9 67.3
99 64.6 47.2 70.8

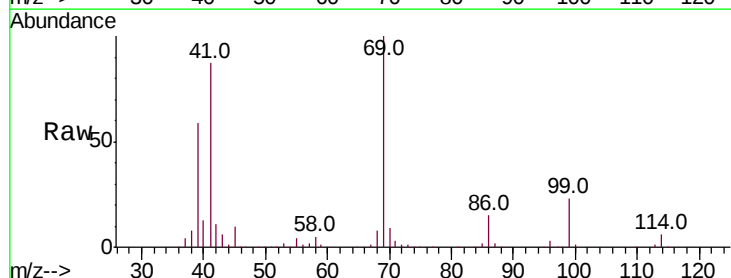


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

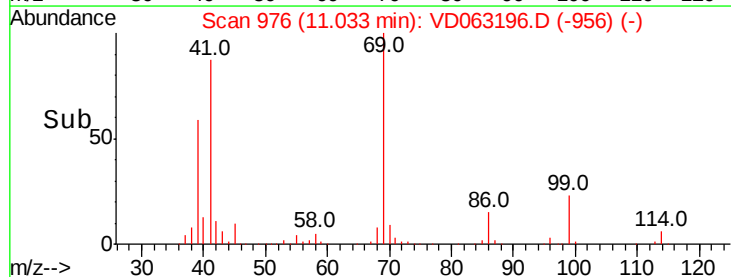
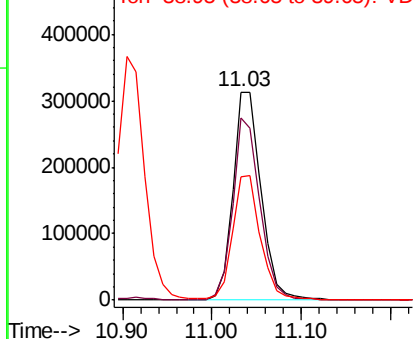


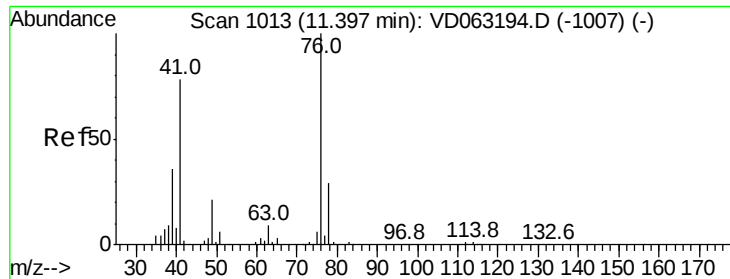
#56
Ethyl methacrylate
Concen: 97.045 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion: 69 Resp: 689894
Ion Ratio Lower Upper
69 100
41 87.4 68.8 103.2
39 59.0 45.8 68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 95.536 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

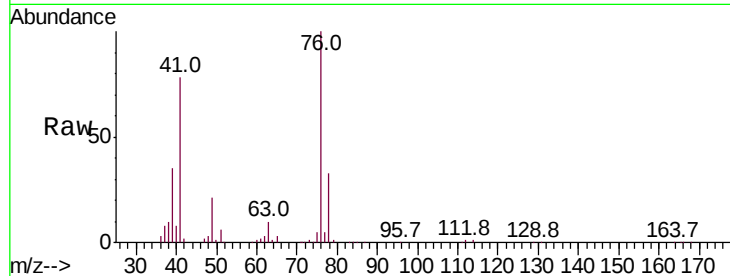
VSTDIC100

Tot Ion: 76 Resp: 977226

Ion Ratio Lower Upper

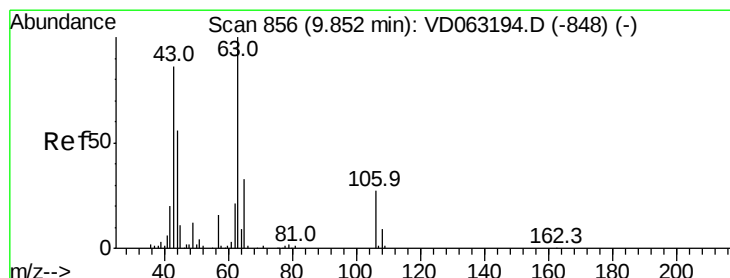
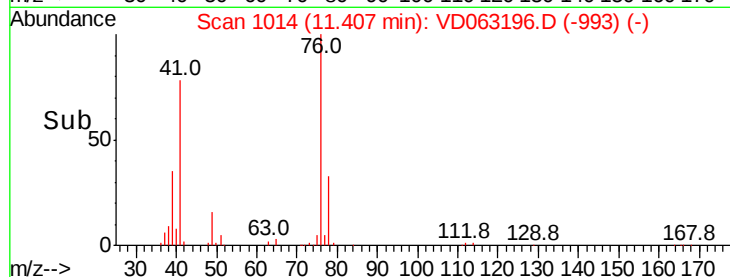
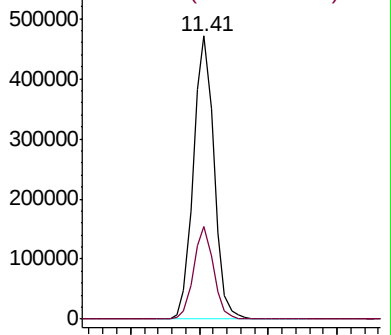
76 100

78 32.7 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 472.061 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063196.D

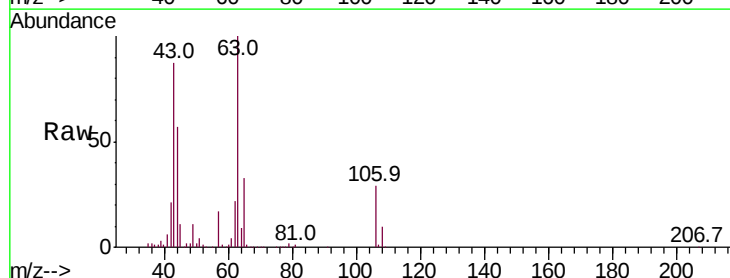
Acq: 29 Jul 2019 13:30

Tgt Ion: 63 Resp: 1746216

Ion Ratio Lower Upper

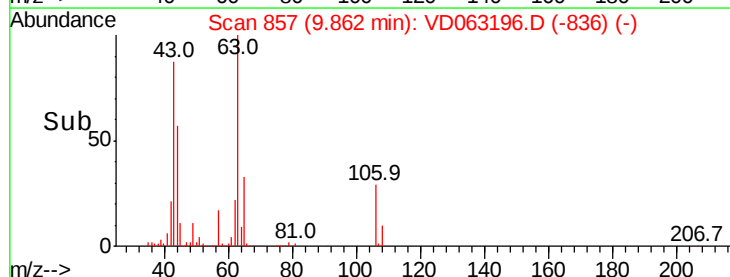
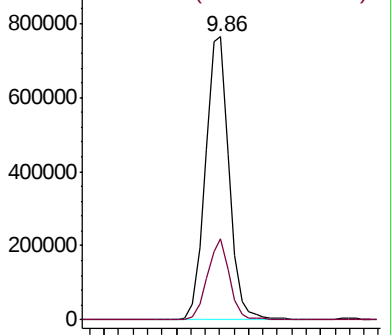
63 100

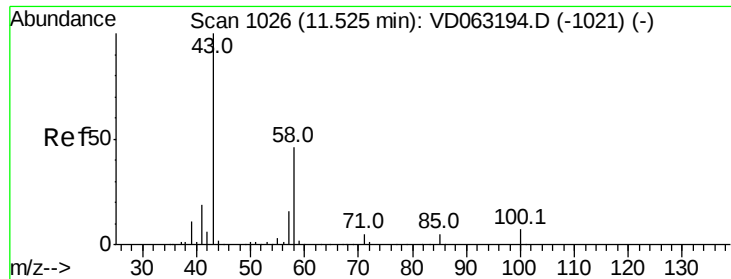
106 28.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 519.874 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

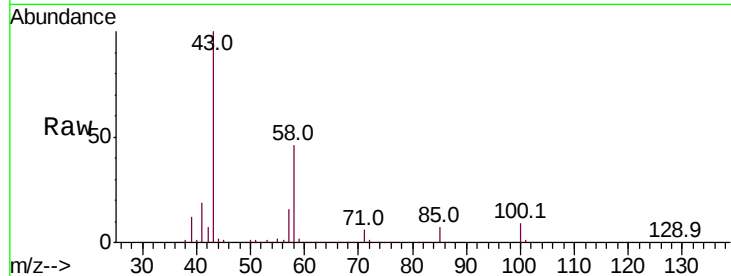
VSTDIC100

Tot Ion: 43 Resp: 2016388

Ion Ratio Lower Upper

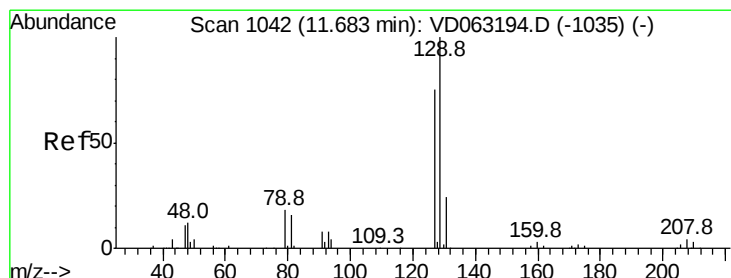
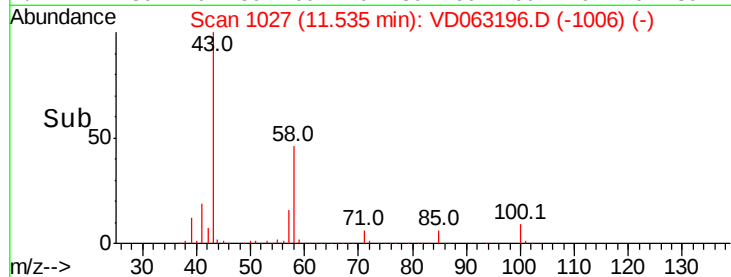
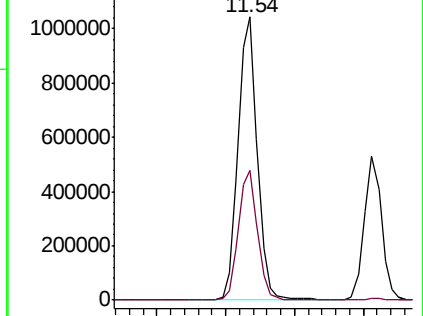
43 100

58 45.9 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 96.924 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VD063196.D

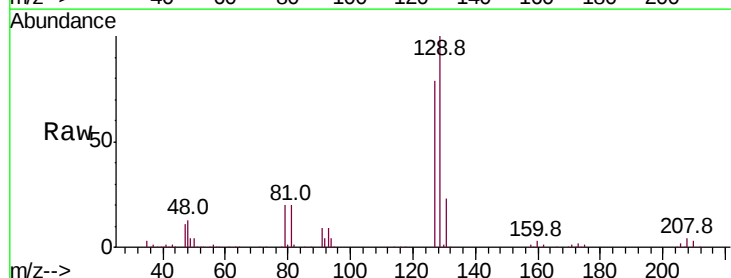
Acq: 29 Jul 2019 13:30

Tgt Ion:129 Resp: 1187906

Ion Ratio Lower Upper

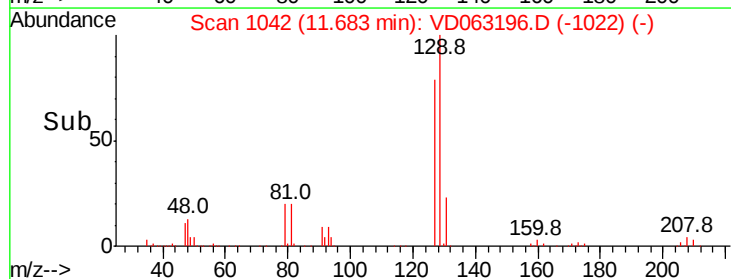
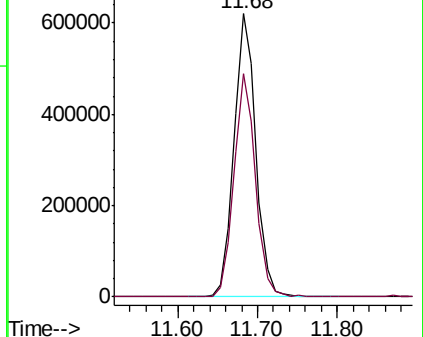
129 100

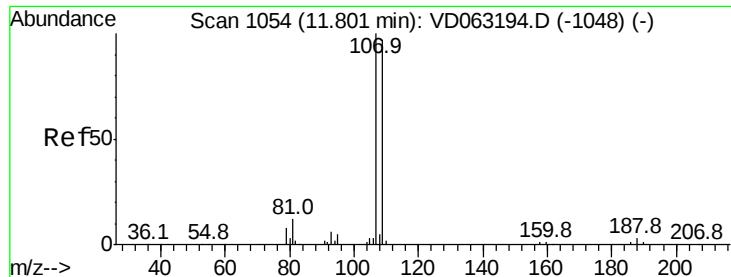
127 79.1 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

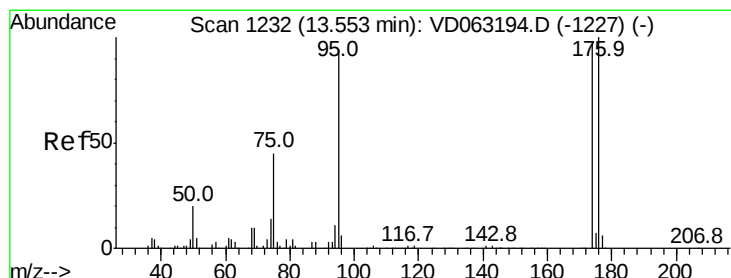
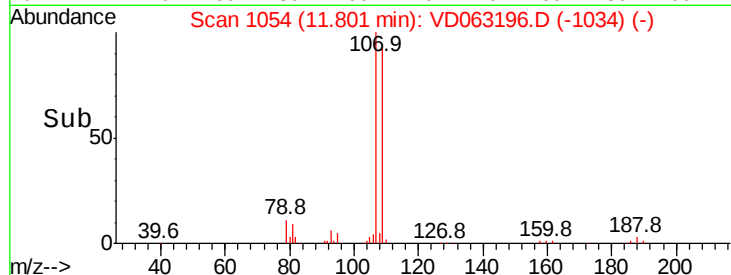
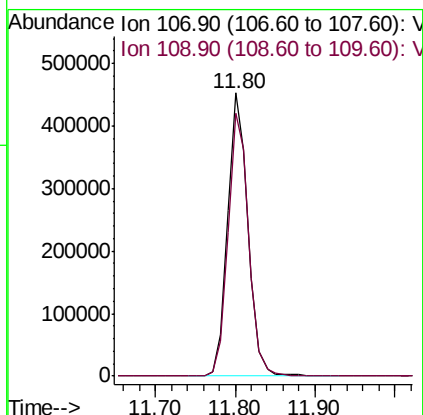
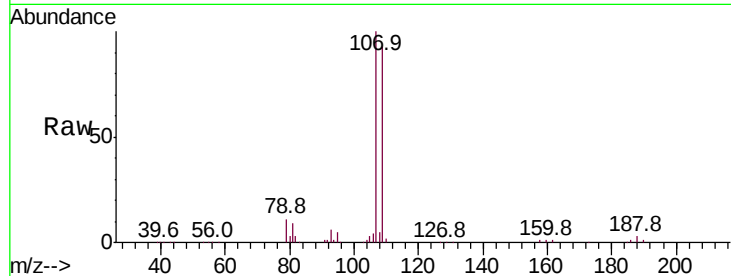




#61
 1,2-Dibromoethane
 Concen: 101.641 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

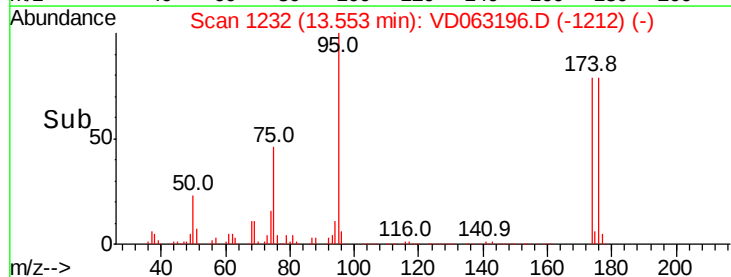
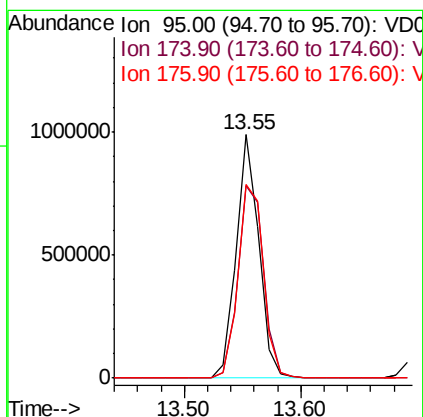
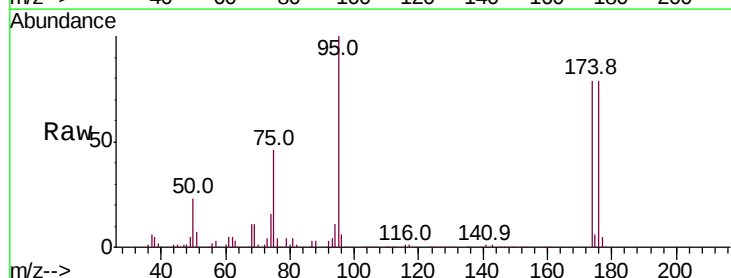
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

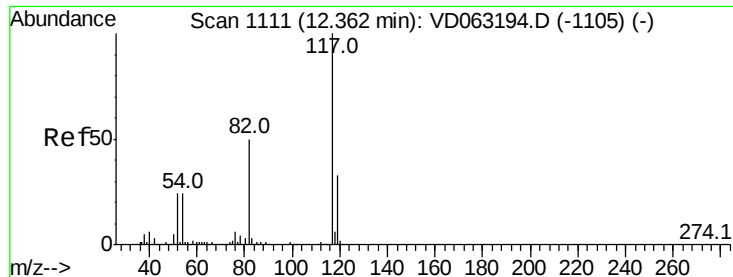
Tot Ion:107 Resp: 814231
 Ion Ratio Lower Upper
 107 100
 109 92.8 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 100.703 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion: 95 Resp: 1324971
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 205.4
 176 79.5 0.0 211.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

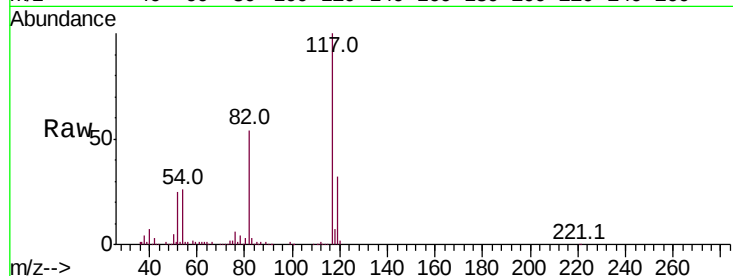
Tot Ion:117 Resp: 1223783

Ion Ratio Lower Upper

117 100

82 53.9 40.1 60.1

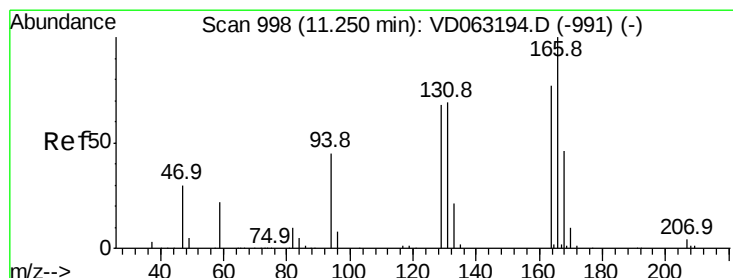
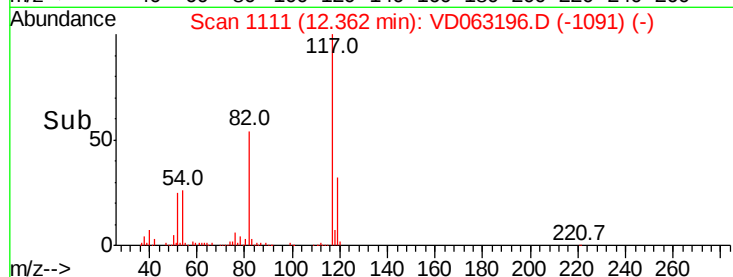
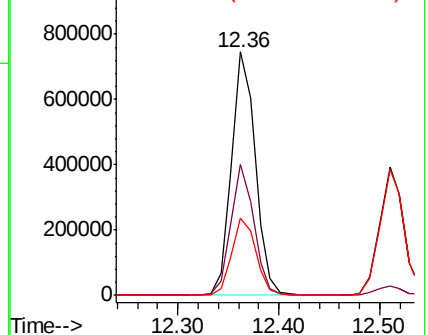
119 31.9 26.5 39.7



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 102.472 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Tgt Ion:164 Resp: 999048

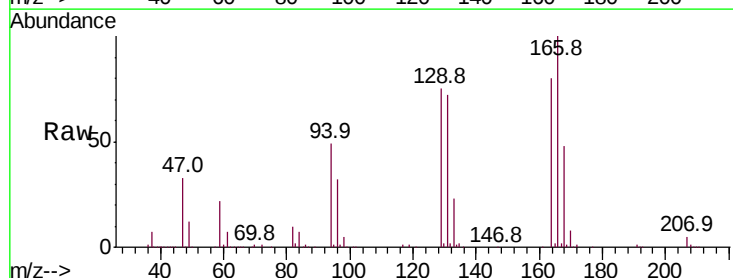
Ion Ratio Lower Upper

164 100

166 124.8 104.3 156.5

129 93.4 70.9 106.3

131 89.8 71.6 107.4

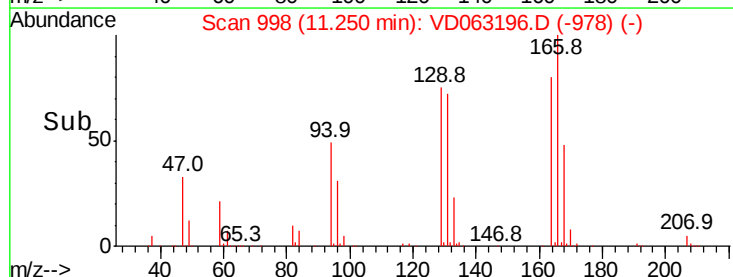
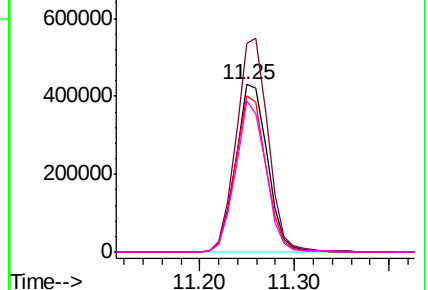


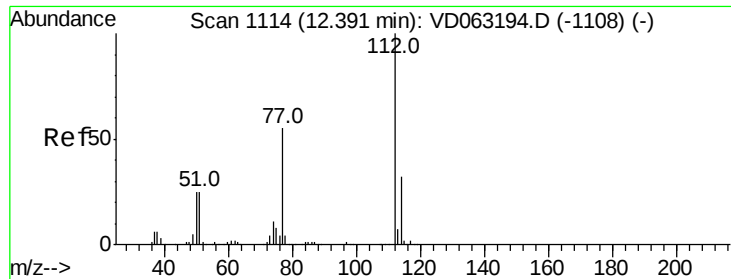
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 97.865 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

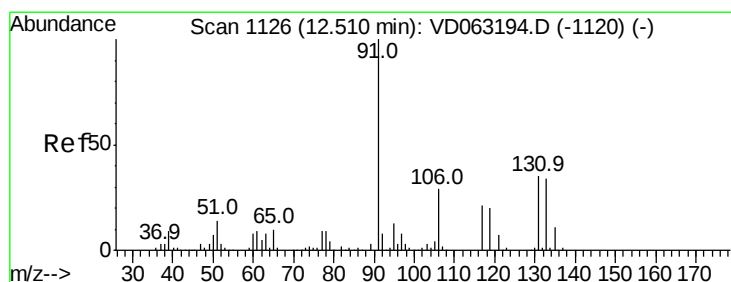
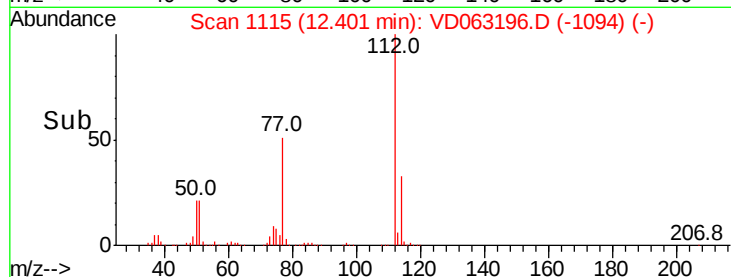
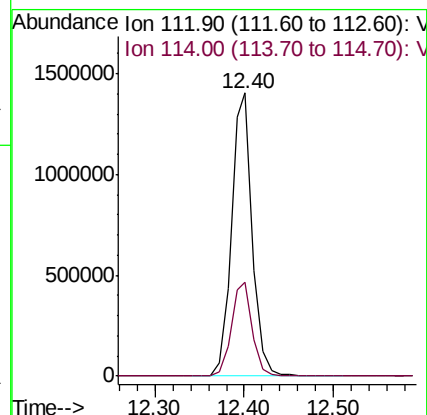
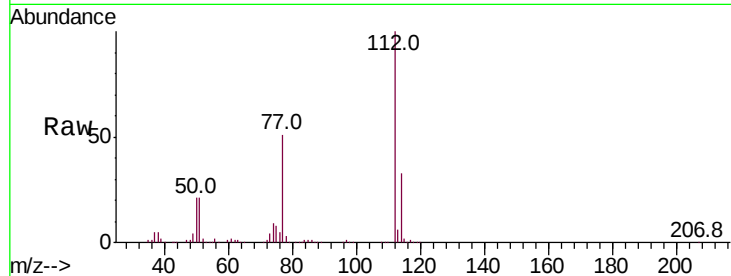
VSTDIC100

Tot Ion:112 Resp: 2303628

Ion Ratio Lower Upper

112 100

114 33.4 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 100.153 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

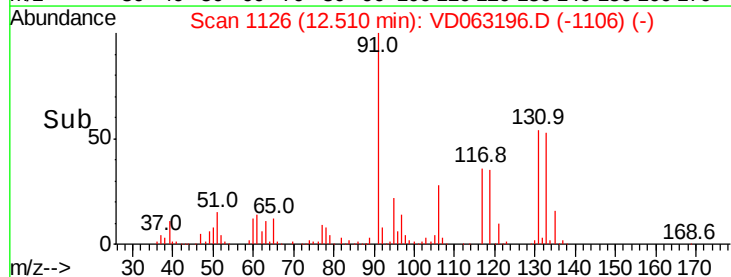
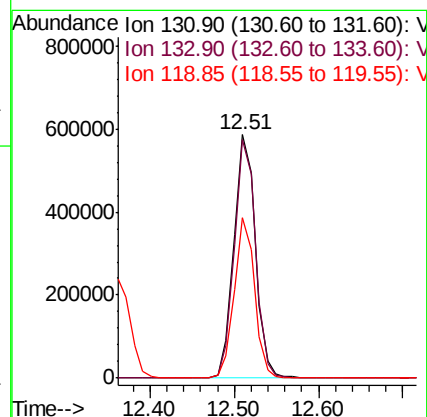
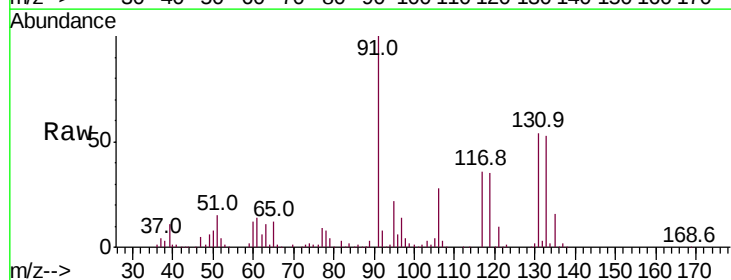
Tgt Ion:131 Resp: 1038443

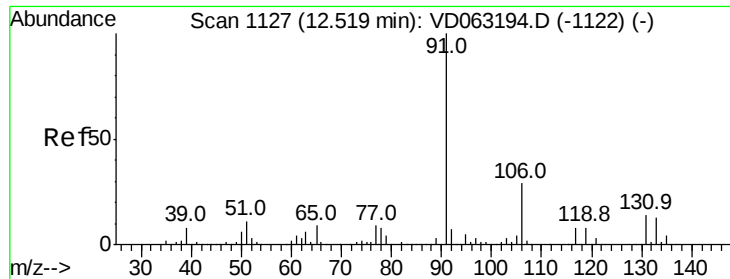
Ion Ratio Lower Upper

131 100

133 98.0 48.4 145.2

119 65.7 29.1 87.3





#67

Ethyl Benzene

Concen: 95.563 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

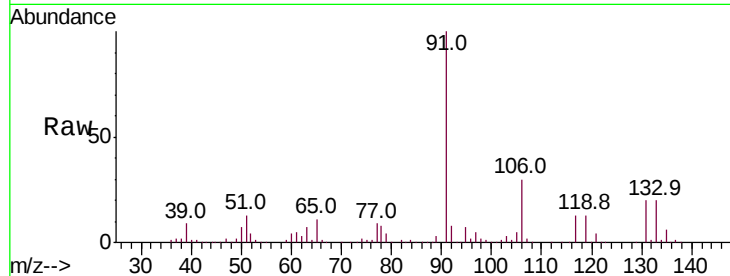
VSTDIC100

Tot Ion: 91 Resp: 3821293

Ion Ratio Lower Upper

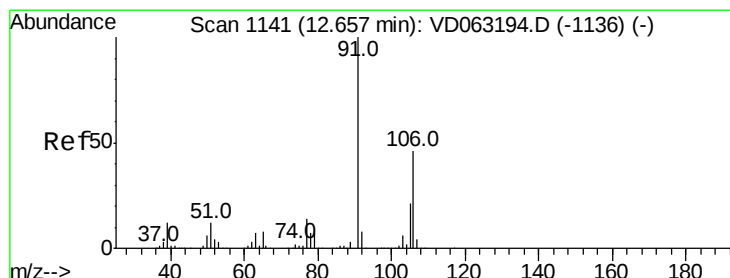
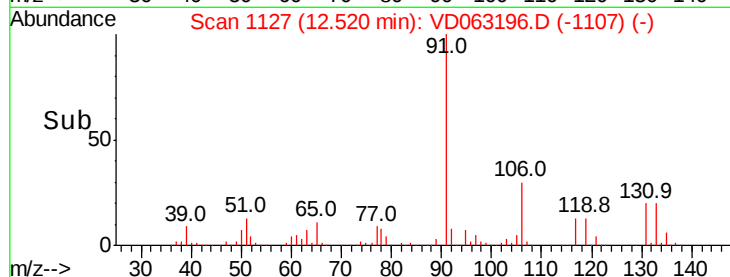
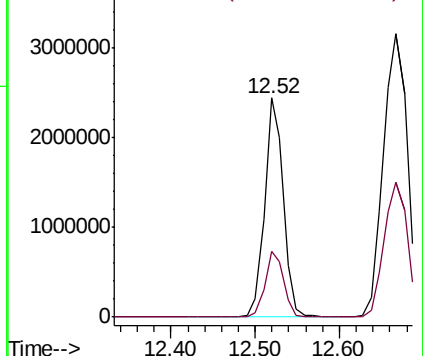
91 100

106 29.9 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 198.545 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD063196.D

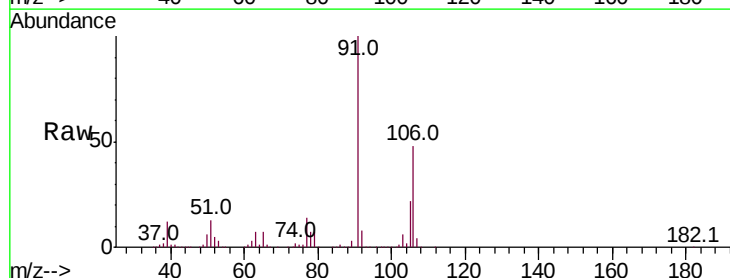
Acq: 29 Jul 2019 13:30

Tgt Ion: 106 Resp: 2911569

Ion Ratio Lower Upper

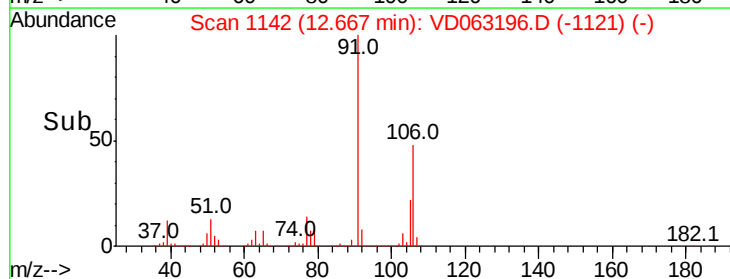
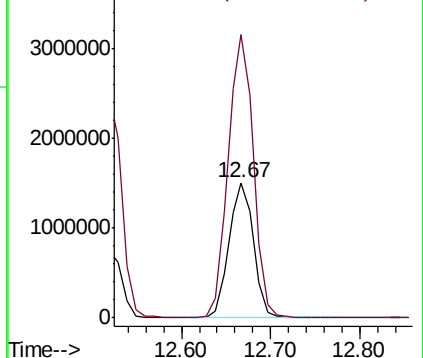
106 100

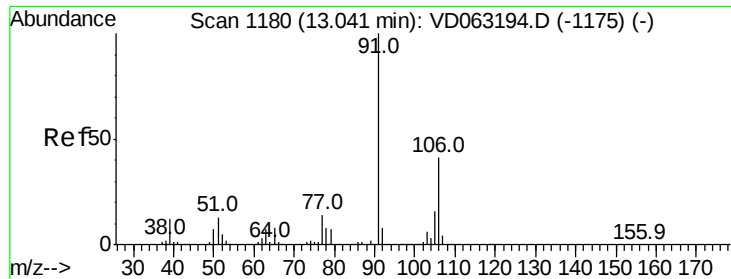
91 208.9 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

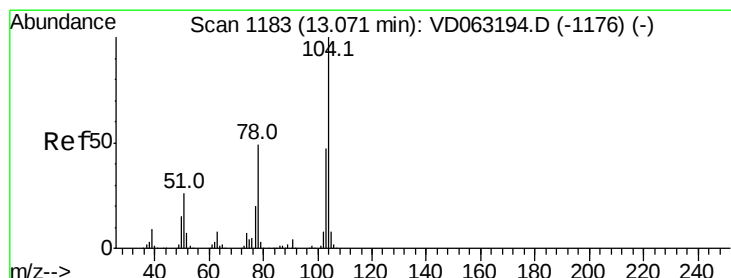
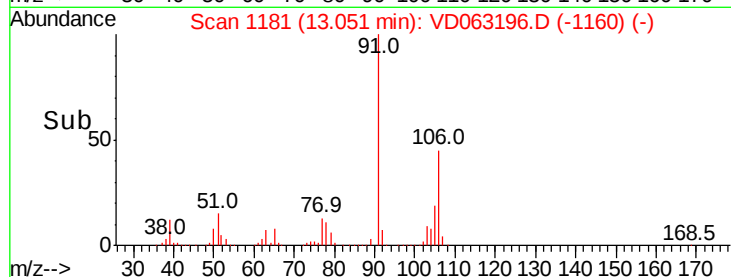
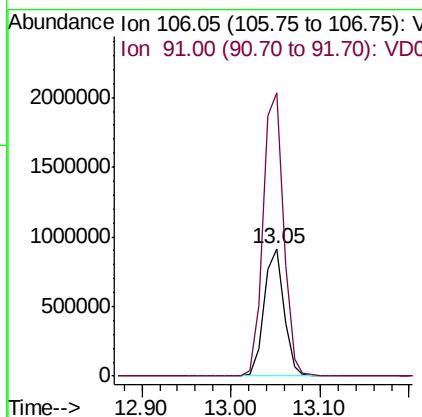
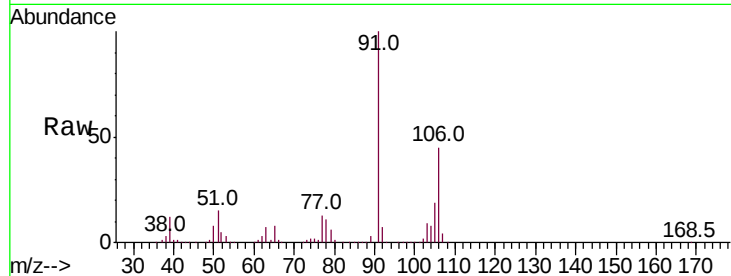




#69
o-Xylene
Concen: 103.814 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

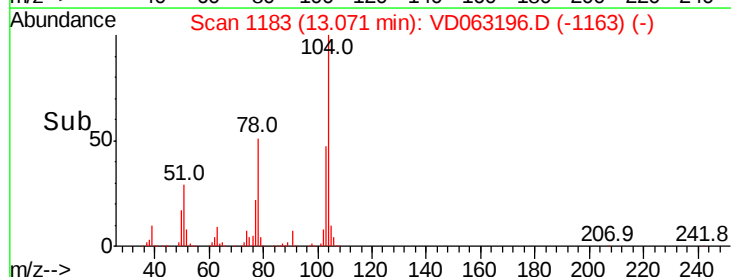
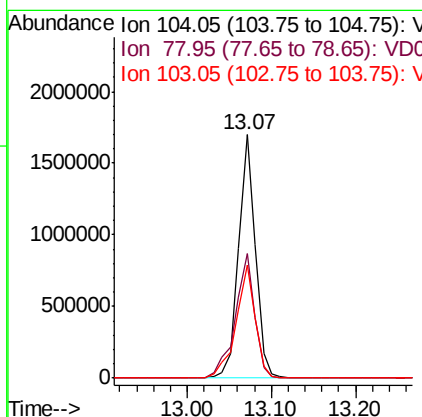
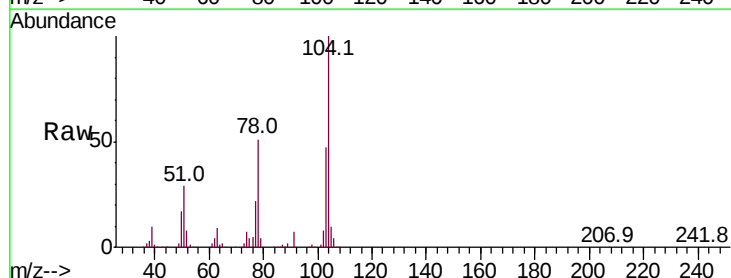
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

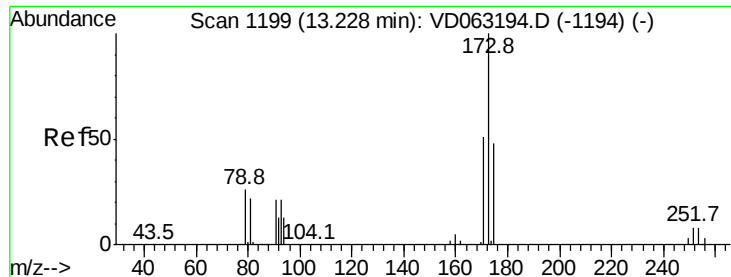
Tot Ion:106 Resp: 1398021
Ion Ratio Lower Upper
106 100
91 222.5 121.3 363.9



#70
Styrene
Concen: 98.533 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion:104 Resp: 2353171
Ion Ratio Lower Upper
104 100
78 51.2 39.4 59.0
103 46.6 37.4 56.2





#71

Bromoform

Concen: 107.503 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

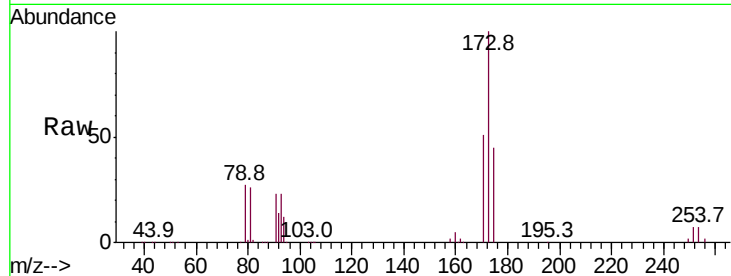
Tot Ion:173 Resp: 810599

Ion Ratio Lower Upper

173 100

175 45.2 23.8 71.5

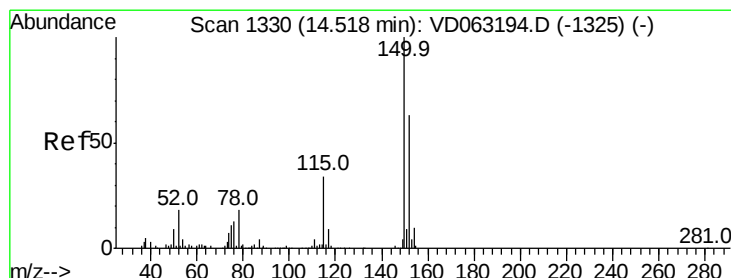
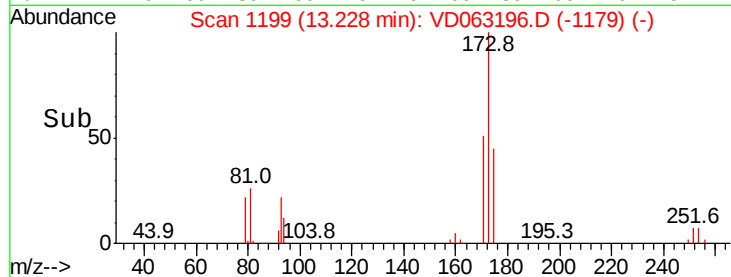
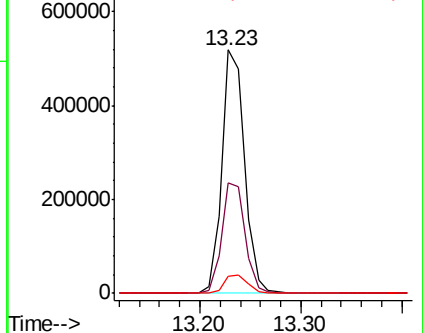
254 7.0 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

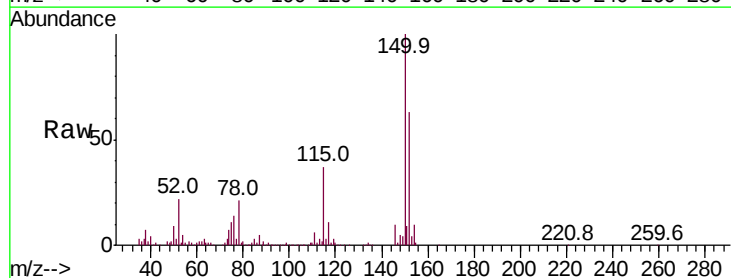
Tgt Ion:152 Resp: 652653

Ion Ratio Lower Upper

152 100

115 58.8 27.5 82.4

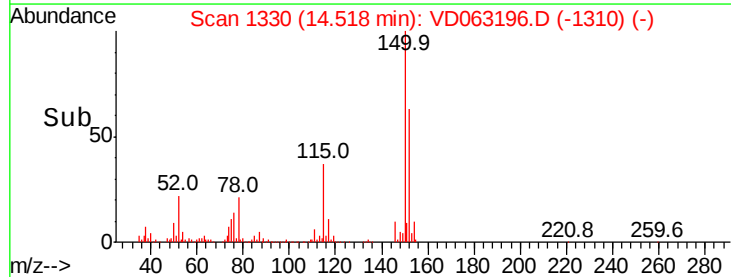
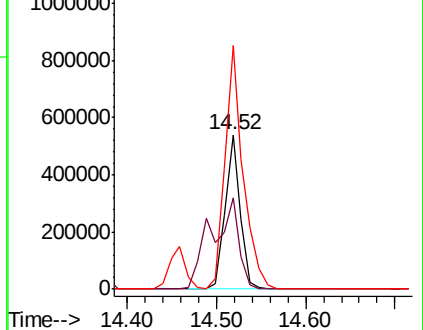
150 157.6 0.0 320.6

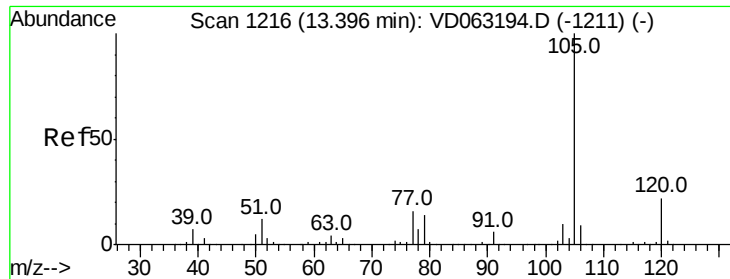


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 90.352 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

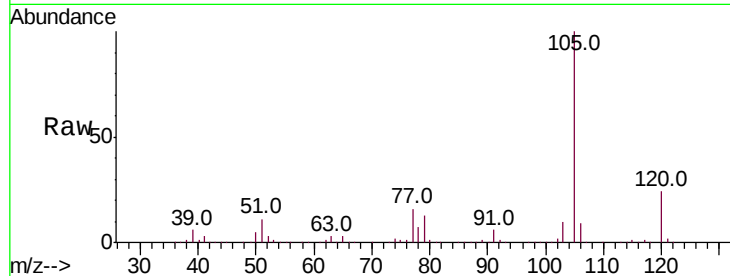
VSTDIC100

Tot Ion:105 Resp: 3701019

Ion Ratio Lower Upper

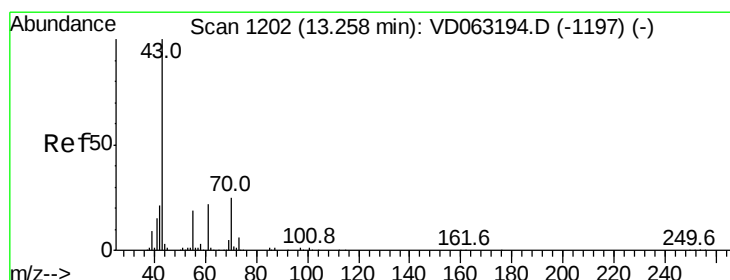
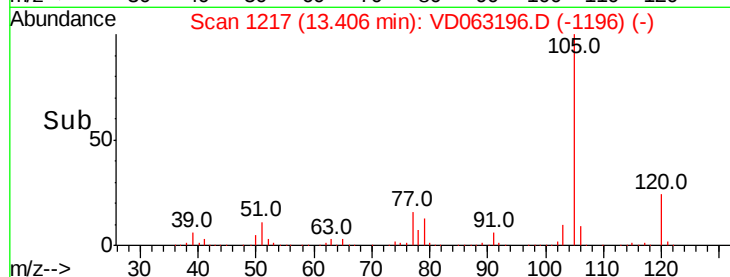
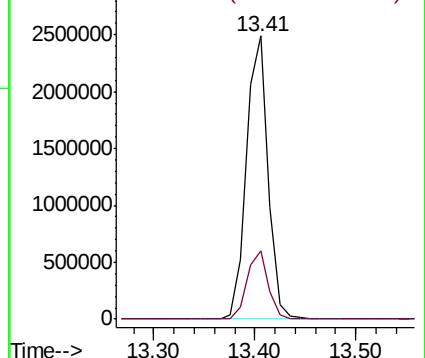
105 100

120 24.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 107.065 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Tgt Ion: 43 Resp: 1159384

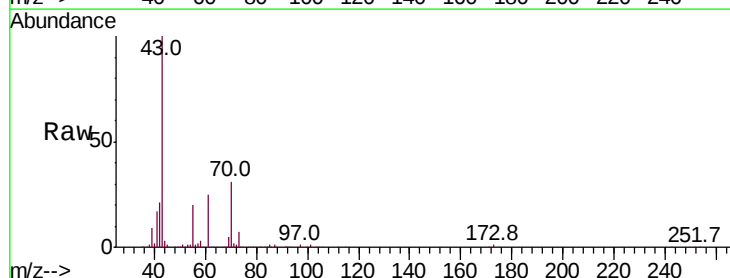
Ion Ratio Lower Upper

43 100

70 30.9 20.2 30.4#

55 19.6 14.9 22.3

61 24.7 17.9 26.9

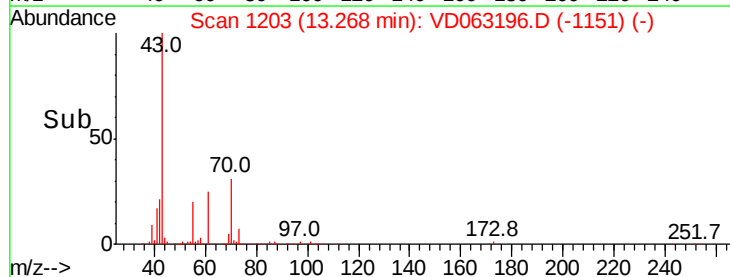
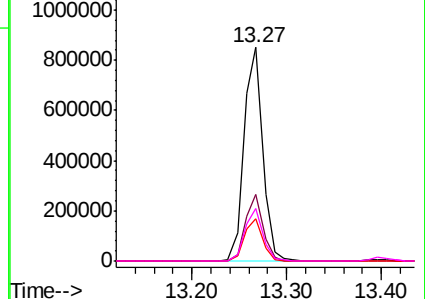


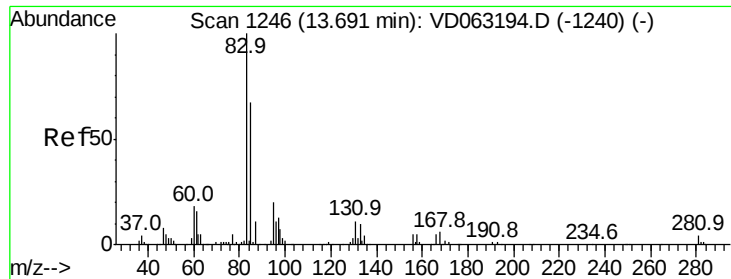
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 102.777 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

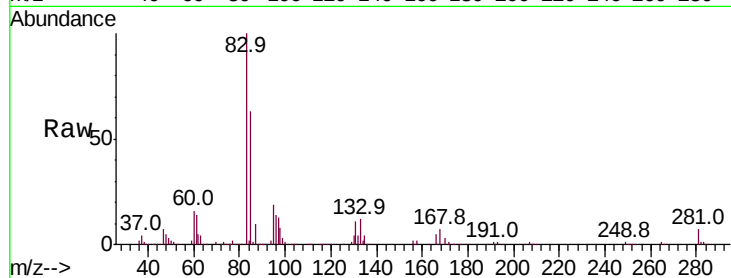
Tot Ion: 83 Resp: 715127

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

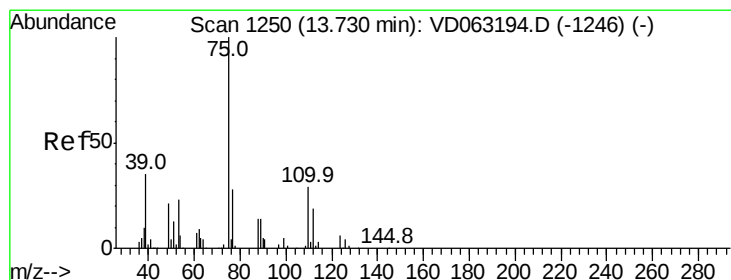
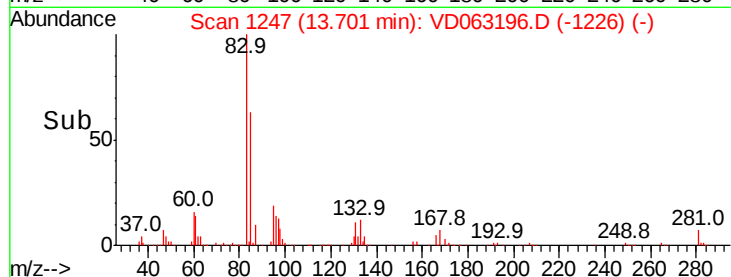
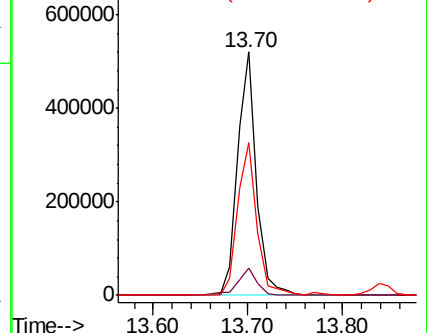
85 62.6 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 100.774 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063196.D

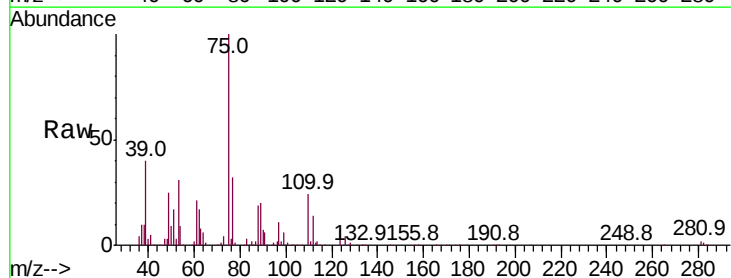
Acq: 29 Jul 2019 13:30

Tgt Ion: 75 Resp: 789990

Ion Ratio Lower Upper

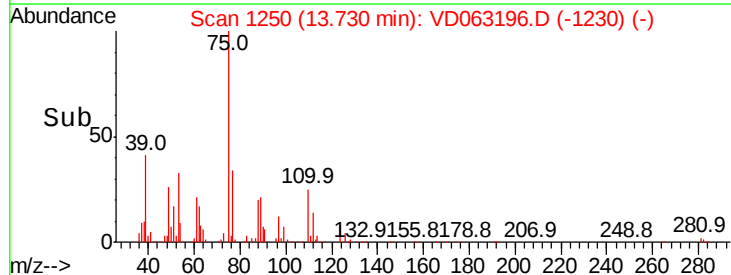
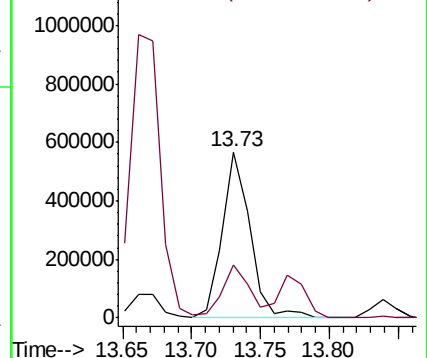
75 100

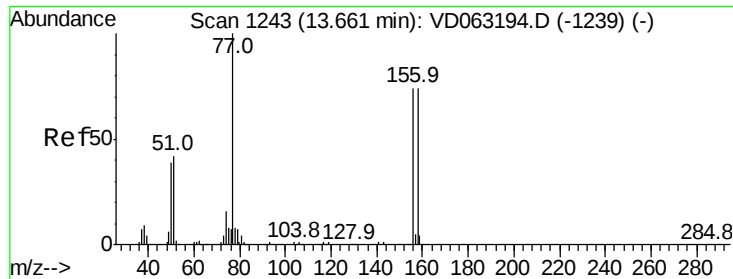
77 31.9 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 98.596 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

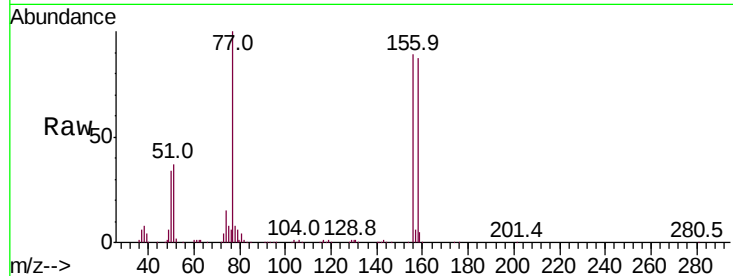
Tot Ion:156 Resp: 1150513

Ion Ratio Lower Upper

156 100

77 111.9 67.6 202.8

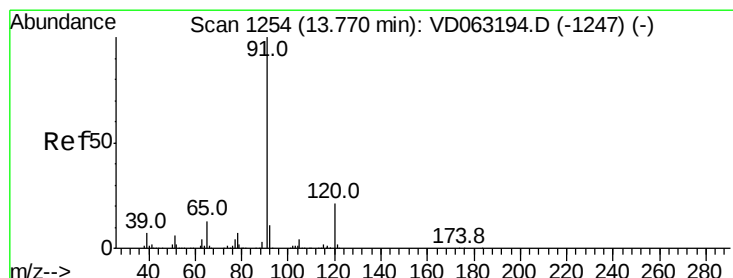
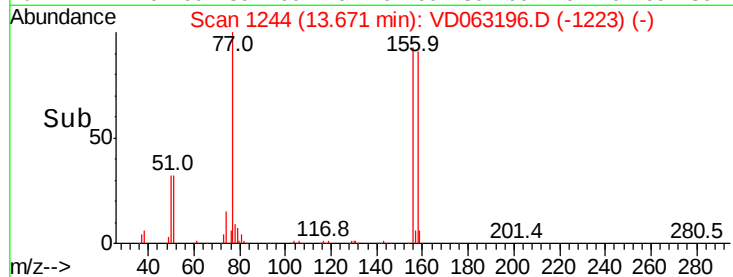
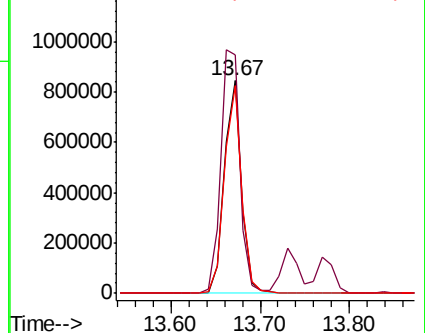
158 97.7 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 92.853 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063196.D

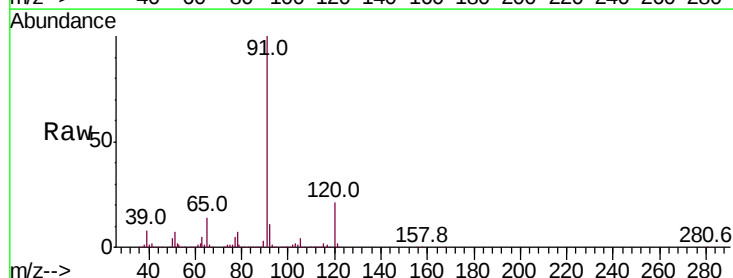
Acq: 29 Jul 2019 13:30

Tgt Ion: 91 Resp: 4526236

Ion Ratio Lower Upper

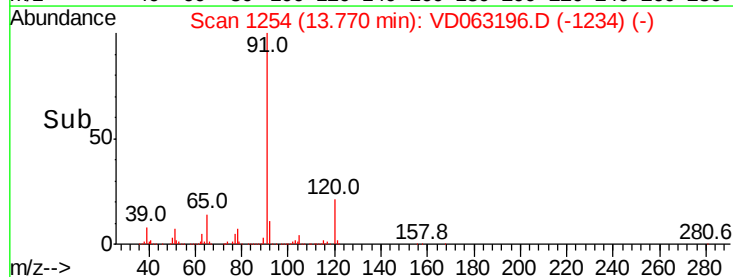
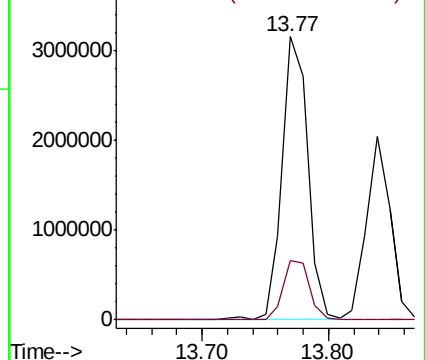
91 100

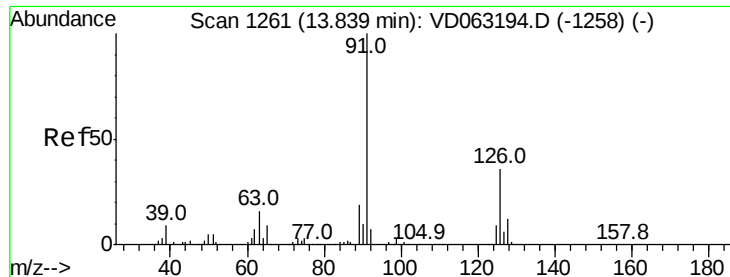
120 21.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 95.273 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

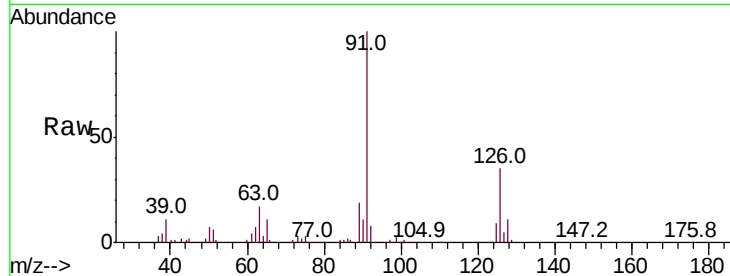
VSTDIC100

Tot Ion: 91 Resp: 2691019

Ion Ratio Lower Upper

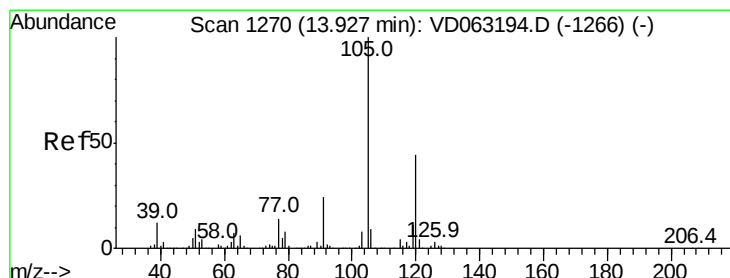
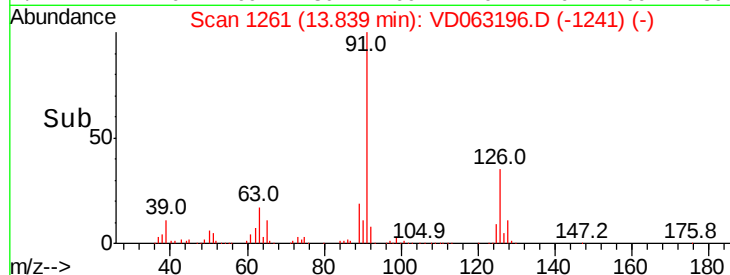
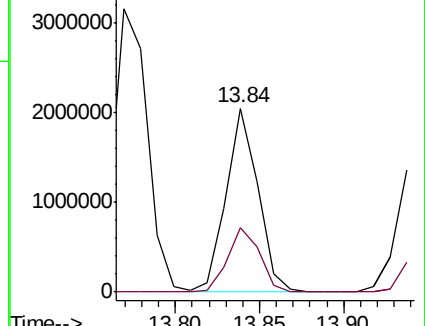
91 100

126 35.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 92.697 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063196.D

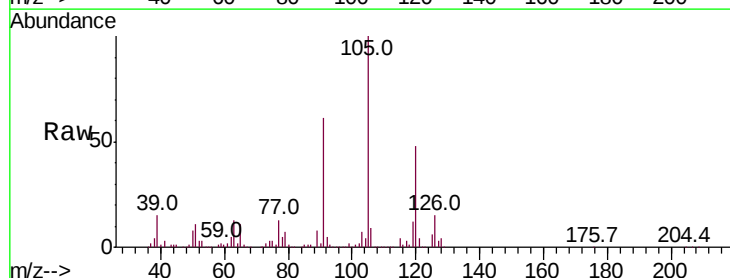
Acq: 29 Jul 2019 13:30

Tgt Ion:105 Resp: 3274970

Ion Ratio Lower Upper

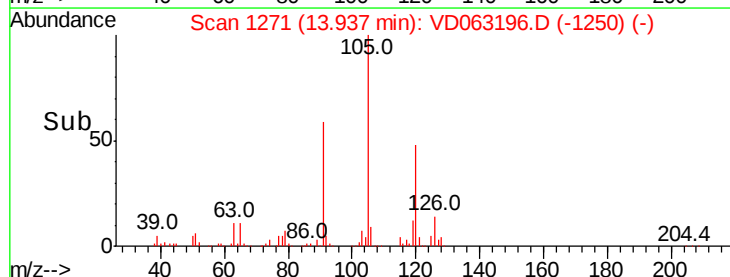
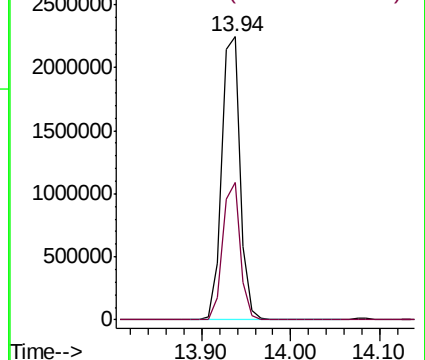
105 100

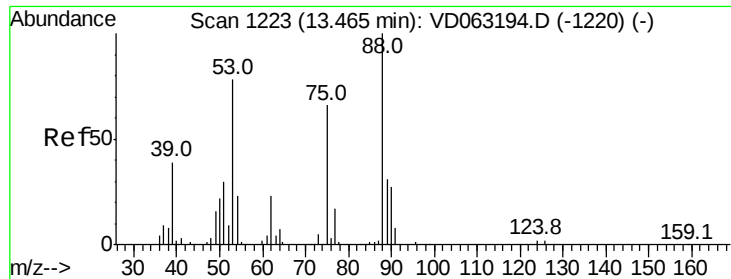
120 48.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.469 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

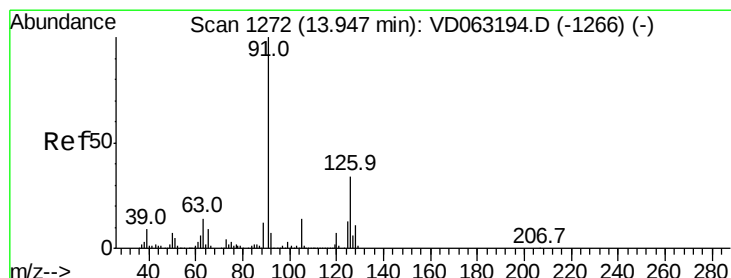
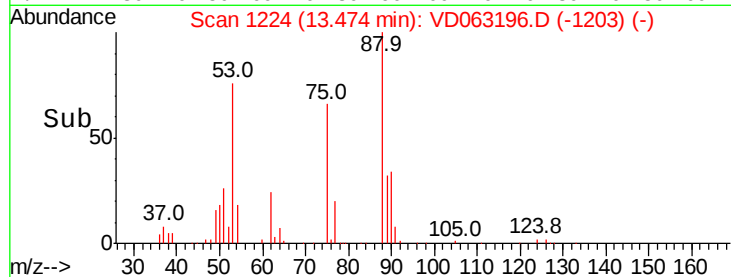
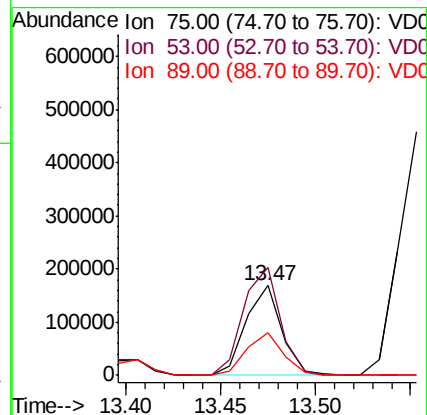
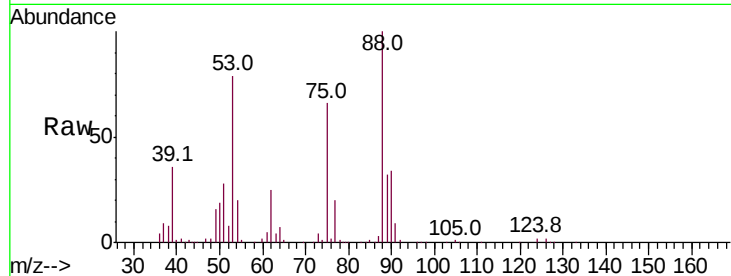
Tot Ion: 75 Resp: 220877

Ion Ratio Lower Upper

75 100

53 119.6 94.9 142.3

89 47.5 37.4 56.0



#82

4-Chlorotoluene

Concen: 93.559 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063196.D

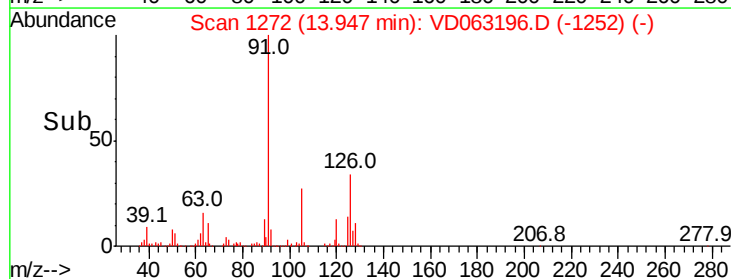
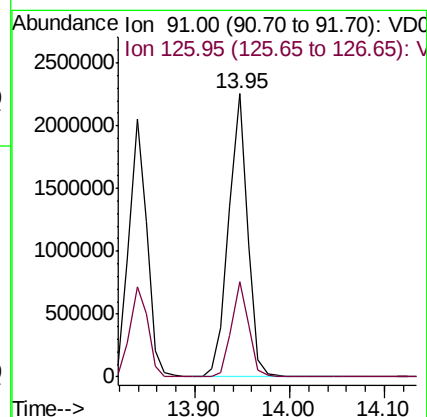
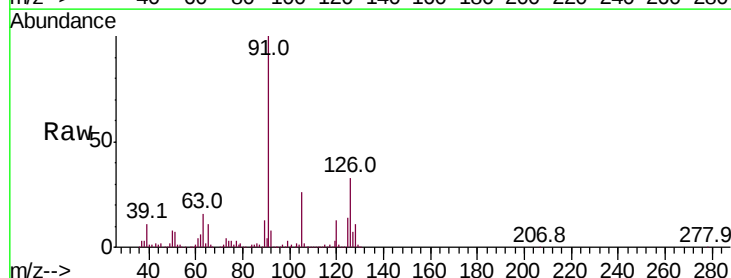
Acq: 29 Jul 2019 13:30

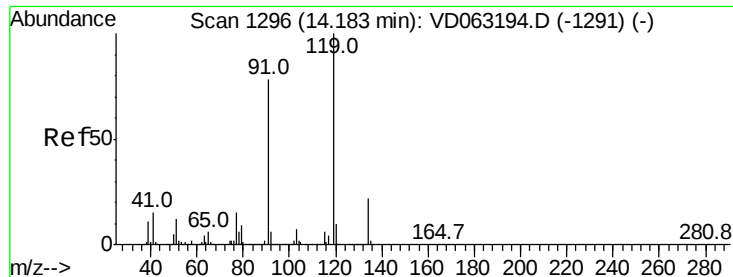
Tgt Ion: 91 Resp: 3109983

Ion Ratio Lower Upper

91 100

126 33.4 17.1 51.2

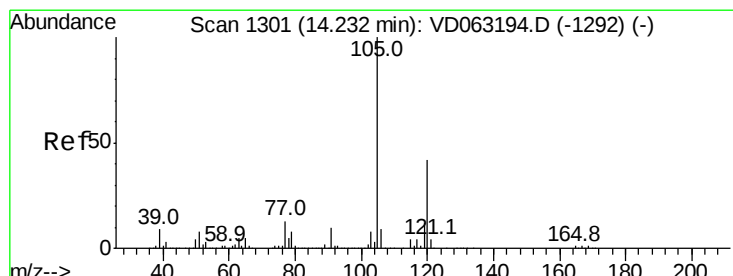
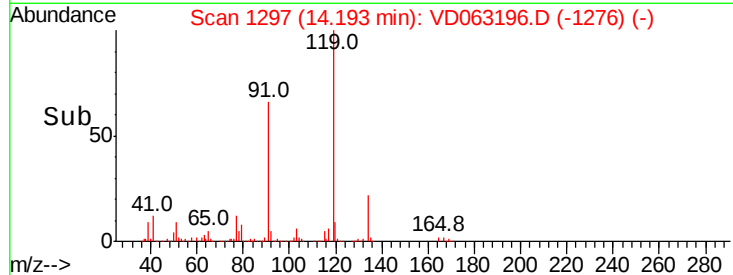
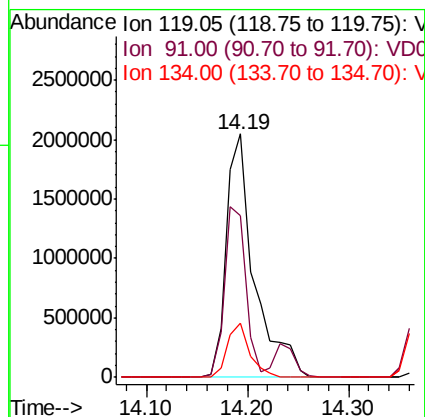
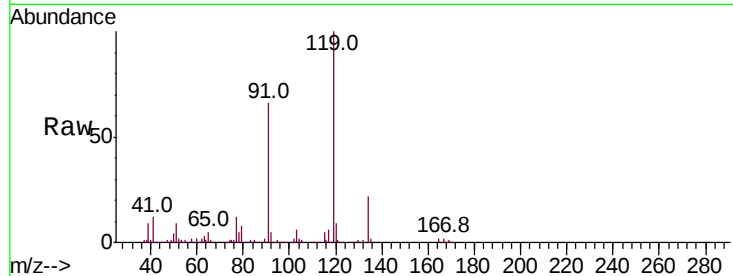




#83
 tert-Butylbenzene
 Concen: 97.695 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

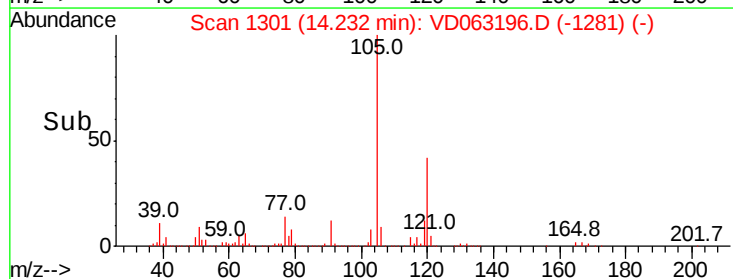
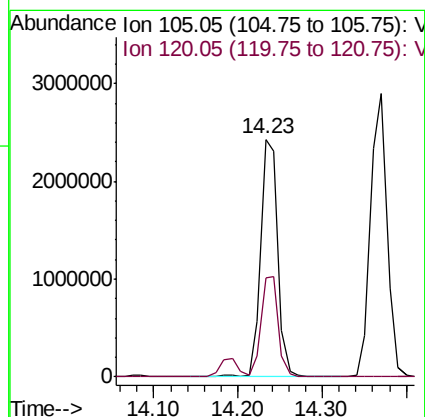
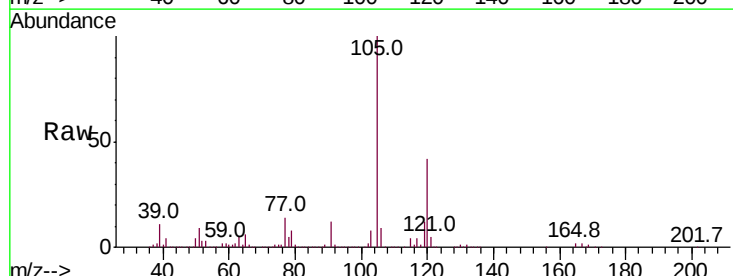
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

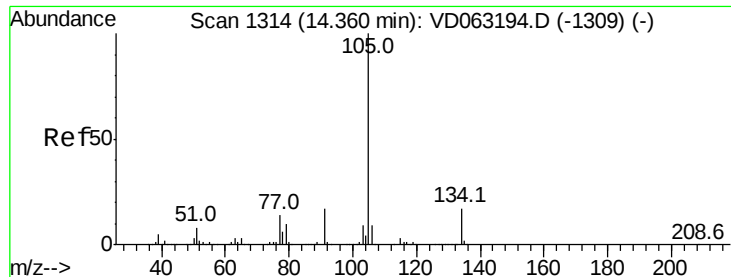
Tot Ion:119 Resp: 3941040
 Ion Ratio Lower Upper
 119 100
 91 66.2 39.1 117.5
 134 22.1 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 95.985 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion:105 Resp: 3507618
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 93.046 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

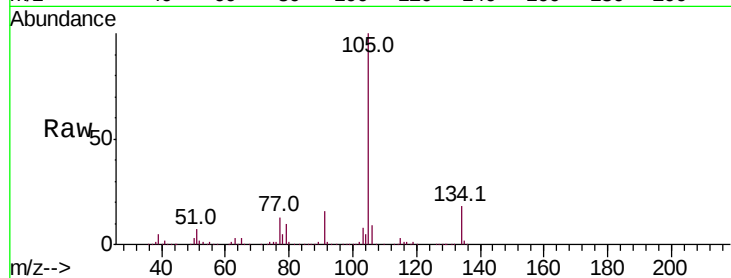
VSTDIC100

Tot Ion:105 Resp: 3954633

Ion Ratio Lower Upper

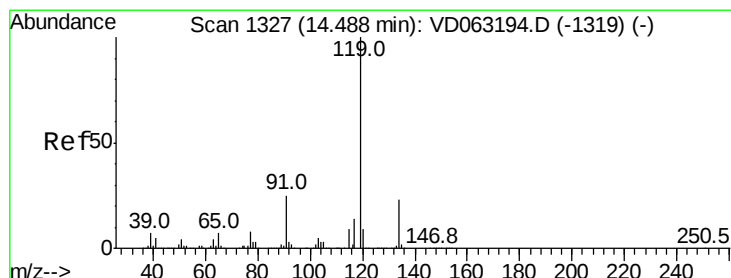
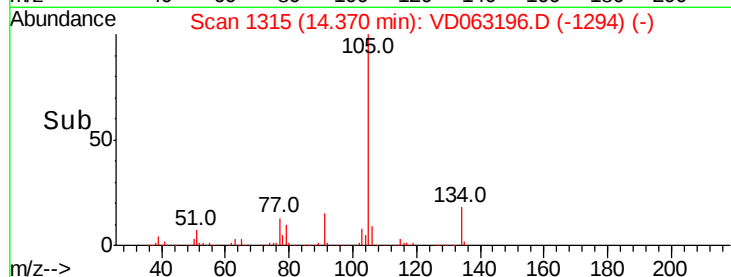
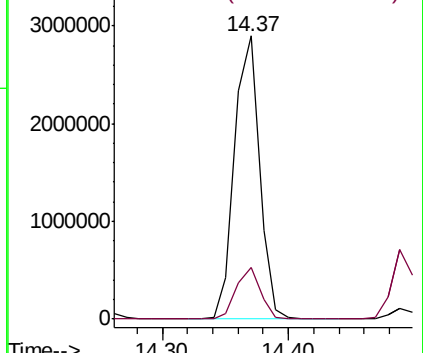
105 100

134 18.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 92.869 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

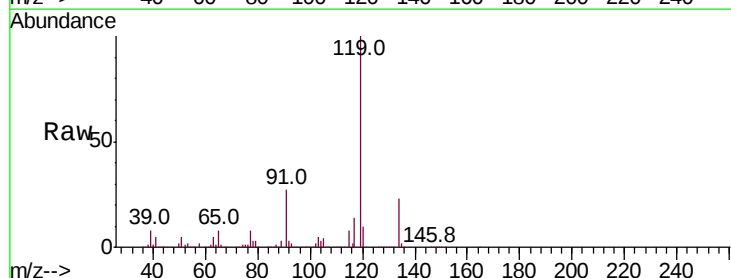
Tgt Ion:119 Resp: 3767297

Ion Ratio Lower Upper

119 100

134 22.8 11.5 34.5

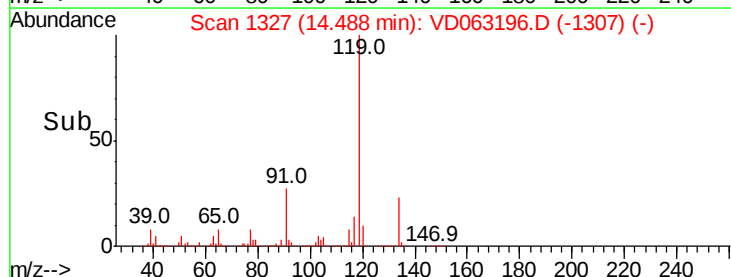
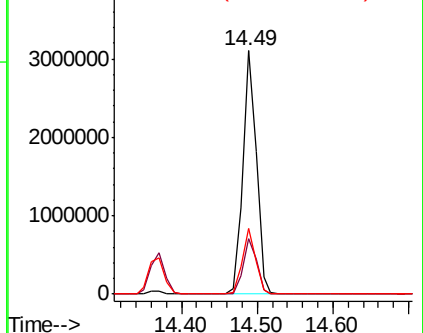
91 26.8 12.6 37.6

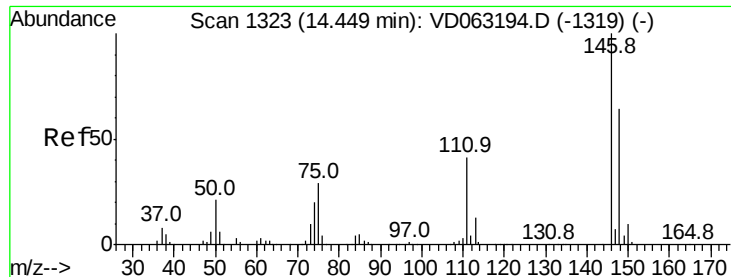


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

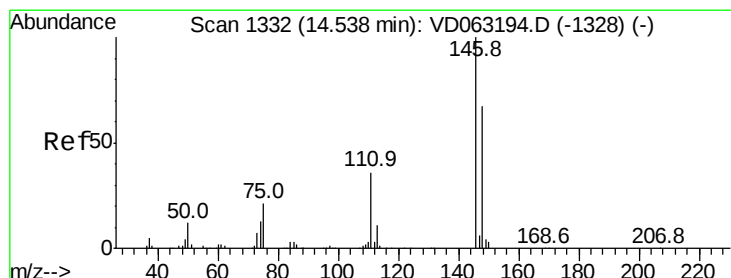
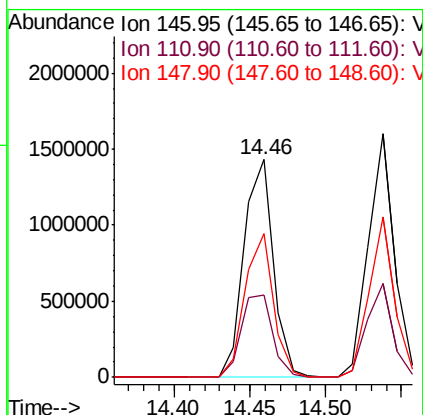
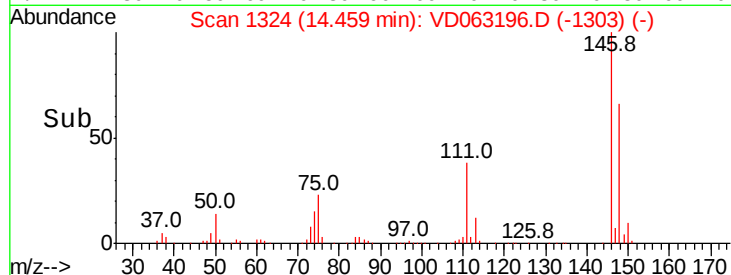
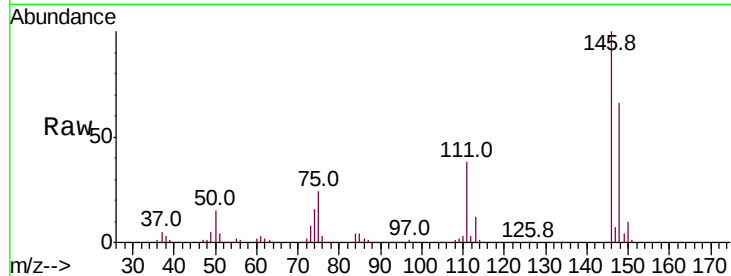




#87
 1,3-Dichlorobenzene
 Concen: 93.726 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

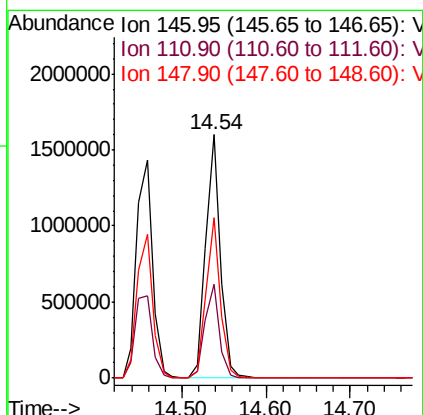
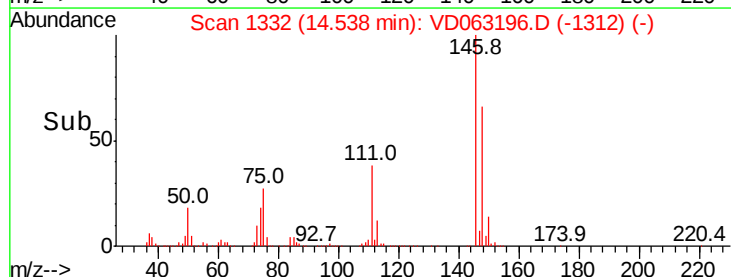
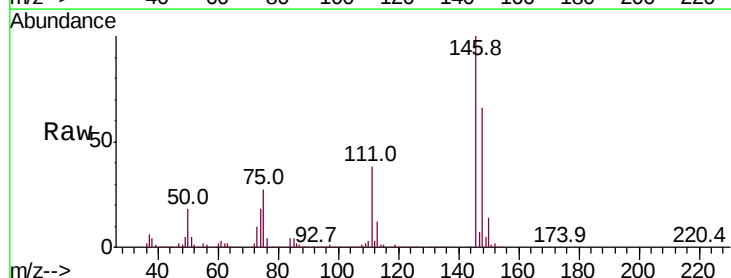
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

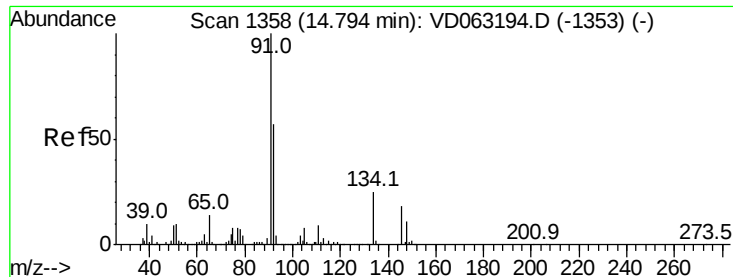
Tot Ion:146 Resp: 1936840
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.4 61.3
 148 66.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 92.593 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion:146 Resp: 1934891
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.3
 148 65.7 33.4 100.1





#89

n-Butylbenzene

Concen: 86.853 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

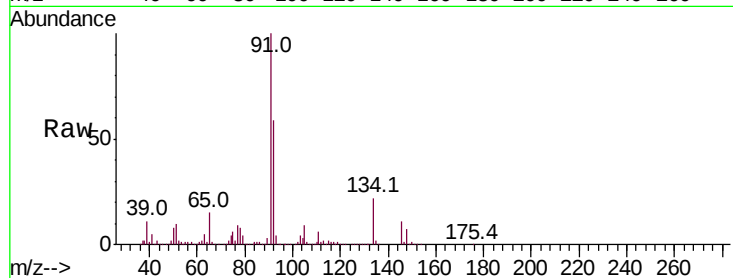
Tot Ion: 91 Resp: 3043001

Ion Ratio Lower Upper

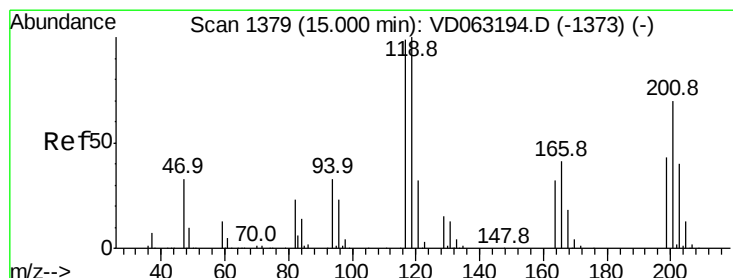
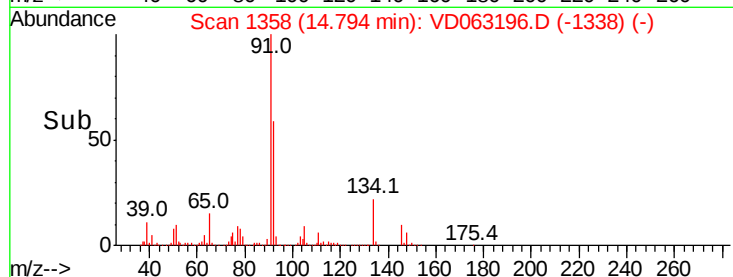
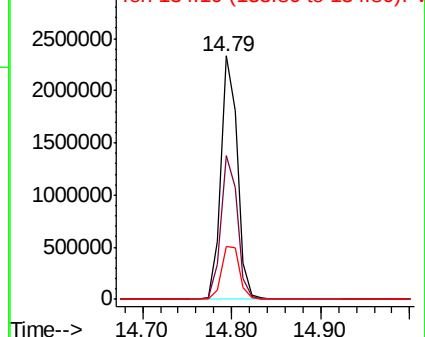
91 100

92 59.3 28.3 85.0

134 21.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 99.574 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063196.D

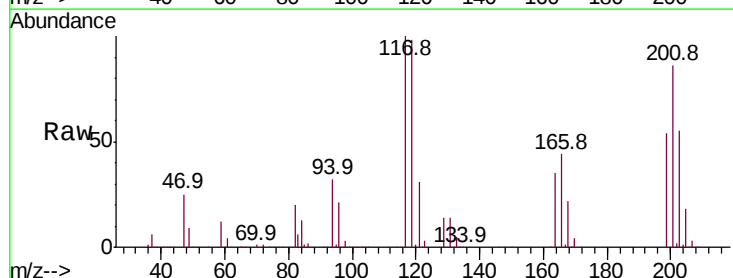
Acq: 29 Jul 2019 13:30

Tgt Ion: 117 Resp: 1052379

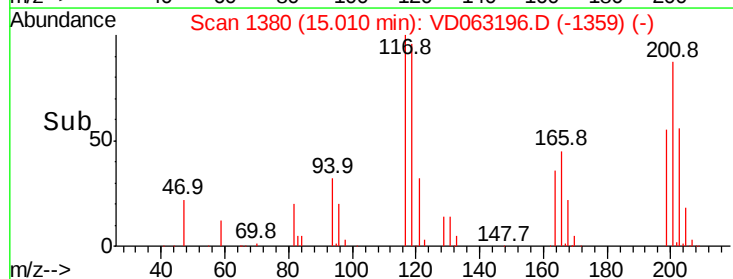
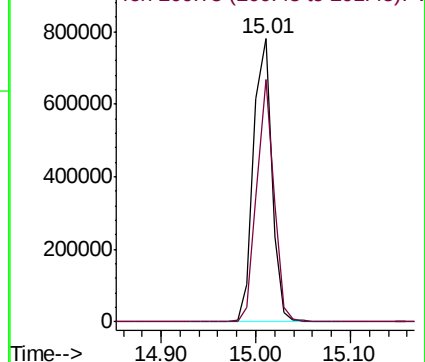
Ion Ratio Lower Upper

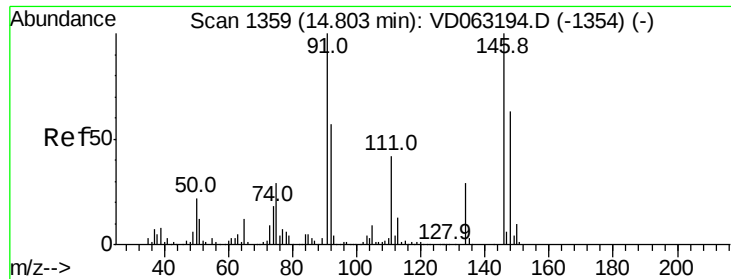
117 100

201 85.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

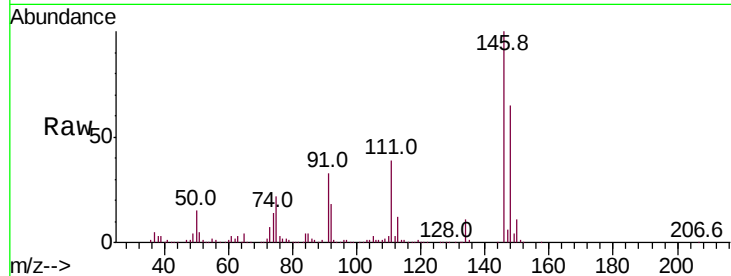




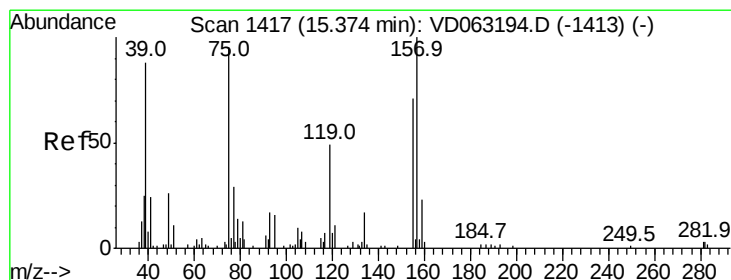
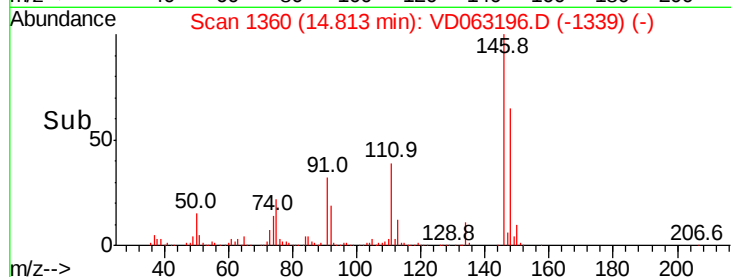
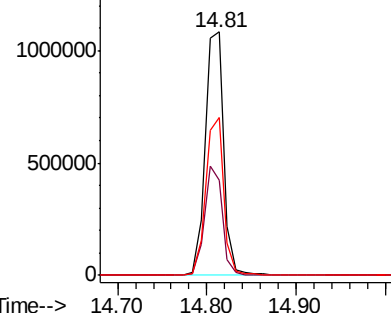
#91
 1,2-Dichlorobenzene
 Concen: 88.029 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1584945
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.3
 148 64.8 31.6 94.8

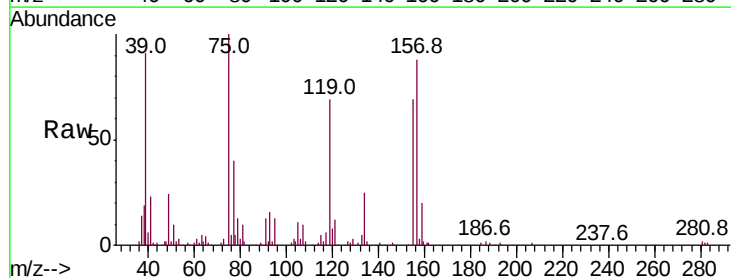


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

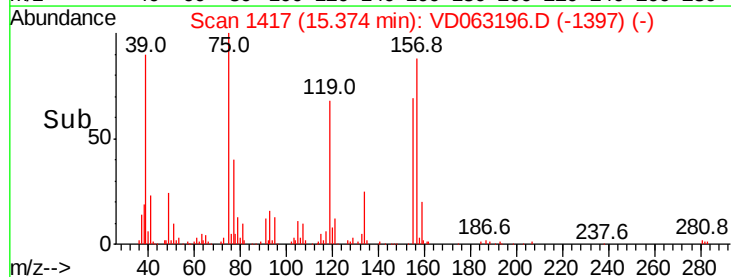
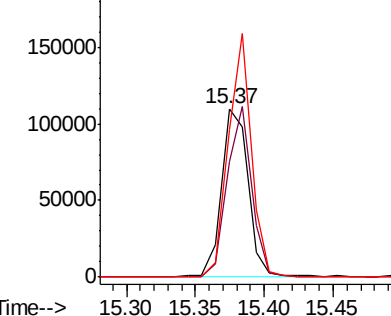


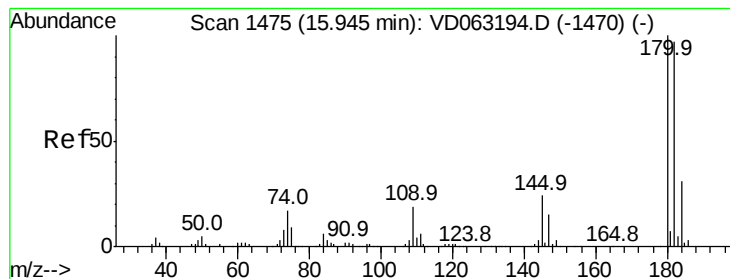
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 105.503 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063196.D
 Acq: 29 Jul 2019 13:30

Tgt Ion: 75 Resp: 149531
 Ion Ratio Lower Upper
 75 100
 155 68.7 37.0 111.0
 157 87.7 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





#93

1,2,4-Trichlorobenzene

Concen: 96.793 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

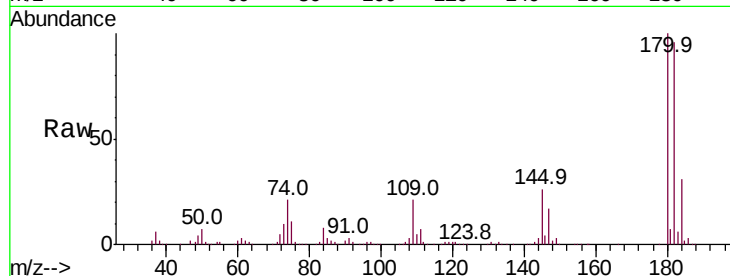
Tot Ion:180 Resp: 1382529

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.6	145.8
145	26.2	12.2	36.6

180 100

182 95.8 48.6 145.8

145 26.2 12.2 36.6

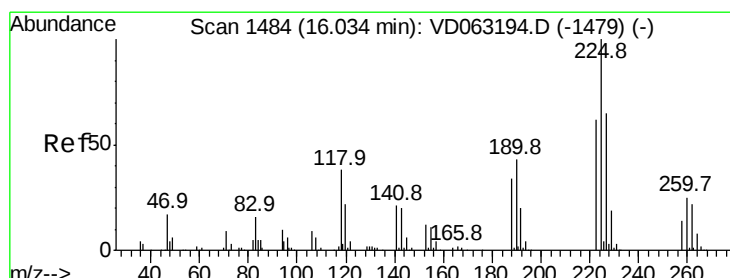
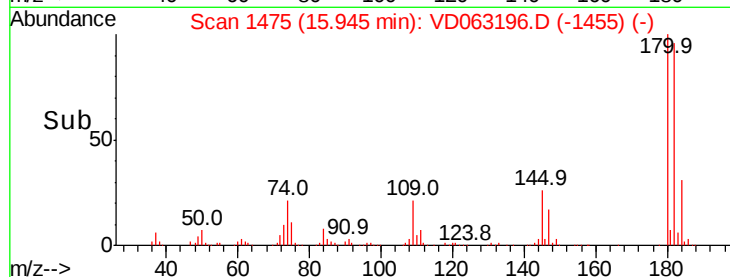
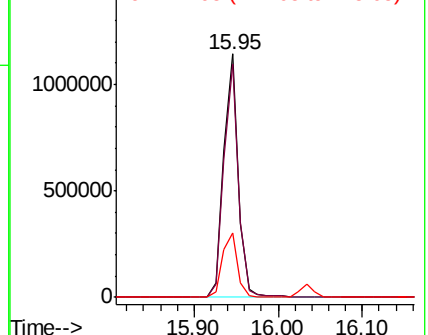


Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94

Hexachlorobutadiene

Concen: 96.137 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VD063196.D

Acq: 29 Jul 2019 13:30

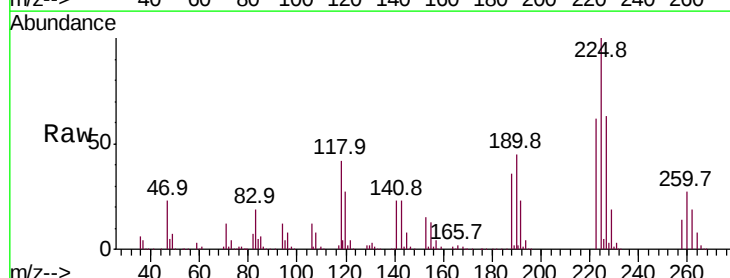
Tgt Ion:225 Resp: 995101

Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.5
227	62.9	32.6	97.7

225 100

223 61.8 30.9 92.5

227 62.9 32.6 97.7

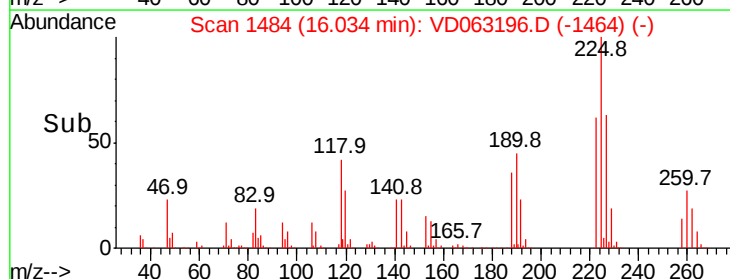
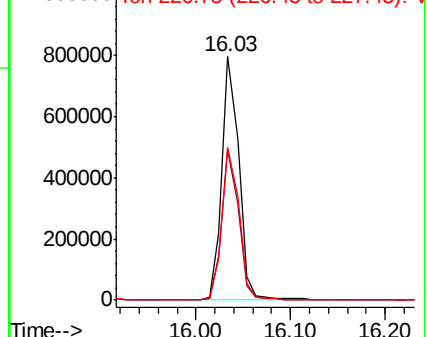


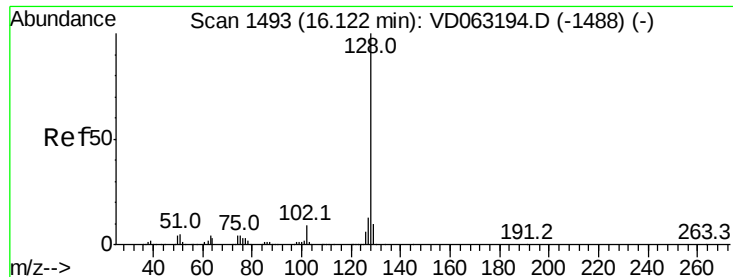
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

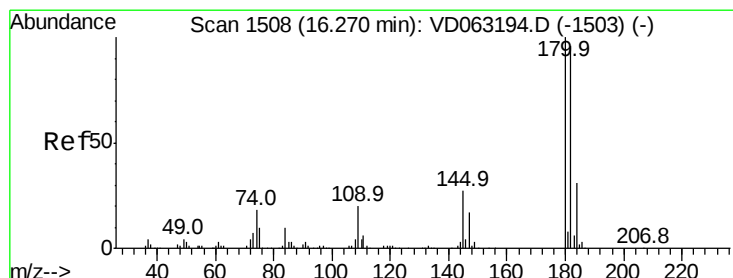
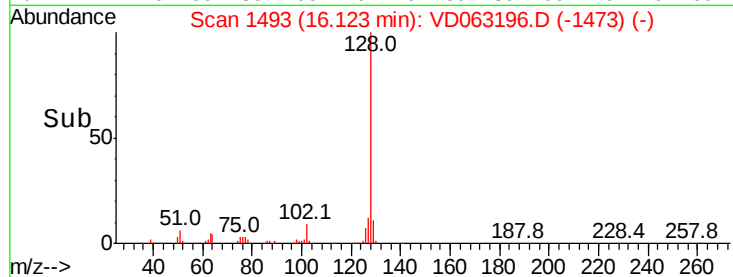
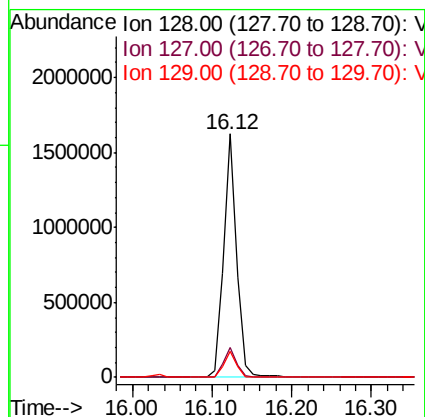
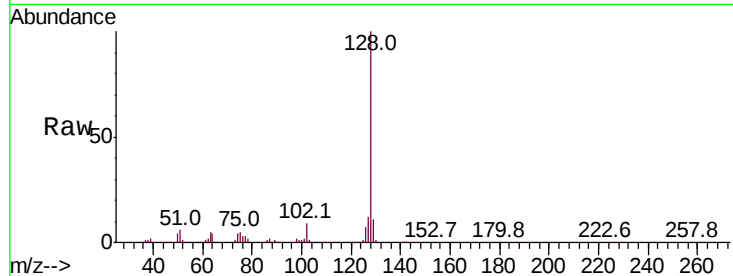




#95
Naphthalene
Concen: 93.471 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1887011
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 96.282 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063196.D
Acq: 29 Jul 2019 13:30

Tgt Ion:180 Resp: 1086422
Ion Ratio Lower Upper
180 100
182 97.2 48.3 144.9
145 30.2 13.6 40.7

