

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063195.D
 Acq On : 29 Jul 2019 13:03
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 30 02:23:10 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	7.03	168	913838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1351853	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1115153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	604098	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	909682	89.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.42%	
35) Dibromofluoromethane	6.91	113	951783	82.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.92%	
50) Toluene-d8	10.41	98	2175140	84.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.42%	
62) 4-Bromofluorobenzene	13.55	95	946527	80.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	839440	75.098	ug/l	96
3) Chloromethane	1.74	50	656766	75.652	ug/l	94
4) Vinyl Chloride	1.84	62	681392	75.841	ug/l	100
5) Bromomethane	2.14	94	304321	67.160	ug/l	96
6) Chloroethane	2.26	64	308226	74.306	ug/l	92
7) Trichlorofluoromethane	2.52	101	1343747	77.094	ug/l	99
8) Diethyl Ether	2.86	74	216755	88.857	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	754789	78.176	ug/l	98
10) Methyl Iodide	3.29	142	1219262	87.416	ug/l	95
11) Tert butyl alcohol	4.08	59	179815	401.815	ug/l #	88
12) 1,1-Dichloroethene	3.11	96	570628	80.506	ug/l	91
13) Acrolein	3.02	56	155968	364.191	ug/l	98
14) Allyl chloride	3.61	41	915206	81.019	ug/l	95
15) Acrylonitrile	4.19	53	505214	437.920	ug/l	99
16) Acetone	3.21	43	913797	462.530	ug/l	99
17) Carbon Disulfide	3.36	76	1931439	81.411	ug/l	97
18) Methyl Acetate	3.63	43	295466	77.859	ug/l #	91
19) Methyl tert-butyl Ether	4.24	73	1424225	88.953	ug/l	99
20) Methylene Chloride	3.80	84	616836	77.241	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	657402	82.660	ug/l	98
22) Diisopropyl ether	5.11	45	1876321	83.091	ug/l	99
23) Vinyl Acetate	5.04	43	5964339	430.102	ug/l	100
24) 1,1-Dichloroethane	4.97	63	1215242	84.334	ug/l	96
25) 2-Butanone	6.07	43	881525	444.601	ug/l	95
26) 2,2-Dichloropropane	6.01	77	1178143	79.337	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	694298	81.425	ug/l	99
28) Bromochloromethane	6.43	49	471630	81.998	ug/l	99
29) Tetrahydrofuran	6.45	42	417901	445.181	ug/l	97
30) Chloroform	6.66	83	1379805	77.158	ug/l	98
31) Cyclohexane	6.94	56	725250	80.296	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	1371038	79.263	ug/l	96
36) 1,1-Dichloropropene	7.14	75	928546	75.263	ug/l	98
37) Ethyl Acetate	6.17	43	441831	79.879	ug/l	96
38) Carbon Tetrachloride	7.10	117	1496732	80.584	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	783669	76.239	ug/l	95
40) Benzene	7.44	78	2013702	77.879	ug/l	98
41) Methacrylonitrile	6.43	41	547488	82.576	ug/l #	84
42) 1,2-Dichloroethane	7.57	62	1118819	81.644	ug/l	100
43) Isopropyl Acetate	9.24	43	583120	82.359	ug/l #	93
44) Trichloroethene	8.54	130	817819	78.055	ug/l	94
45) 1,2-Dichloropropane	8.93	63	485881	73.930	ug/l	97
46) Dibromomethane	9.05	93	434328	79.480	ug/l	87
47) Bromodichloromethane	9.36	83	1105623	79.370	ug/l	96
48) Methyl methacrylate	9.11	41	380413	82.844	ug/l	98
49) 1,4-Dioxane	9.08	88	62791	1652.798	ug/l	88
51) 4-Methyl-2-Pentanone	10.30	43	1954009	405.807	ug/l	97
52) Toluene	10.51	92	1291683	75.109	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	957291	79.711	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	958351	75.929	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	451938	77.811	ug/l	97
56) Ethyl methacrylate	11.04	69	550199	86.508	ug/l	94
57) 1,3-Dichloropropane	11.40	76	748155	81.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	1139430	344.300	ug/l	95
59) 2-Hexanone	11.53	43	1506797	434.238	ug/l	99
60) Dibromochloromethane	11.68	129	875881	79.881	ug/l	97
61) 1,2-Dibromoethane	11.80	107	589283	82.223	ug/l	96
64) Tetrachloroethene	11.25	164	663056	74.635	ug/l	96
65) Chlorobenzene	12.40	112	1588645	74.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	740814	78.408	ug/l	99
67) Ethyl Benzene	12.51	91	2775845	76.181	ug/l	99
68) m/p-Xylenes	12.66	106	2035058	152.292	ug/l	100
69) o-Xylene	13.05	106	975488	79.494	ug/l	92
70) Styrene	13.07	104	1711004	78.623	ug/l	97
71) Bromoform	13.23	173	565885	82.359	ug/l	97
73) Isopropylbenzene	13.40	105	2896115	76.385	ug/l	97
74) N-amyl acetate	13.26	43	827372	82.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	539868	83.825	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	602765	83.071	ug/l	99
77) Bromobenzene	13.67	156	870265	80.574	ug/l	88
78) n-propylbenzene	13.77	91	3409813	75.572	ug/l	98
79) 2-Chlorotoluene	13.83	91	1960481	74.988	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	2585376	79.060	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	168114	83.438	ug/l	97
82) 4-Chlorotoluene	13.94	91	2387473	77.596	ug/l	97
83) tert-Butylbenzene	14.19	119	2984879	79.940	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	2491820	73.669	ug/l	99
85) sec-Butylbenzene	14.36	105	3016238	76.672	ug/l	98
86) p-Isopropyltoluene	14.48	119	2961678	78.878	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	1430493	74.787	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	1525337	78.861	ug/l	95
89) n-Butylbenzene	14.80	91	2509334	77.378	ug/l	96
90) Hexachloroethane	15.00	117	756136	77.295	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	1264299	75.864	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	100171	76.357	ug/l	65

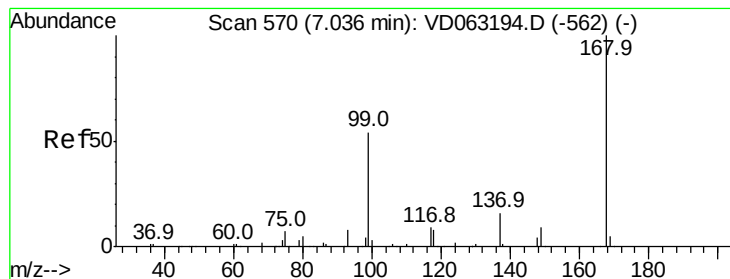
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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QLast Update : Tue Jul 30 02:15:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	958461	72.497	ug/l	97
94) Hexachlorobutadiene	16.03	225	725636	75.739	ug/l	99
95) Naphthalene	16.12	128	1555011	83.217	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	842989	80.713	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

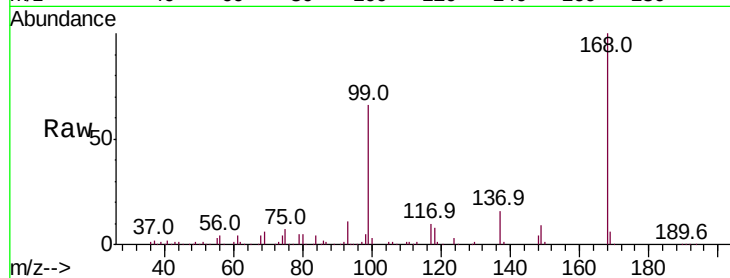
VSTDIC075

Tot Ion:168 Resp: 913838

Ion Ratio Lower Upper

168 100

99 65.5 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

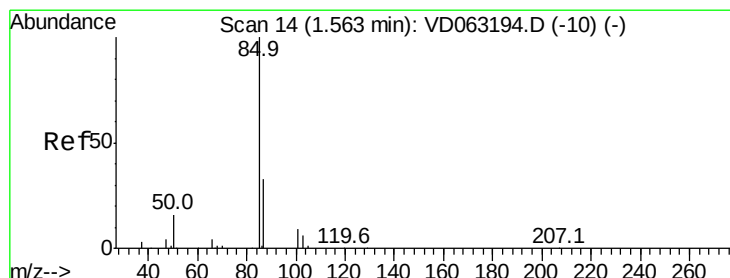
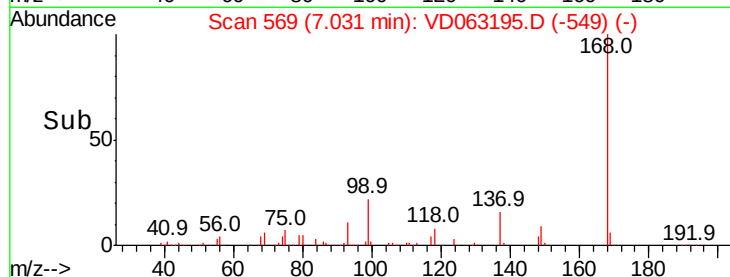
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 75.098 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063195.D

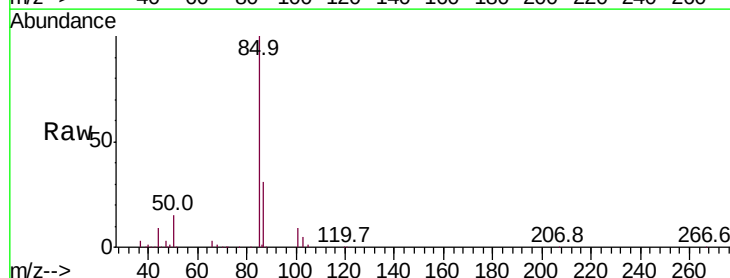
Acq: 29 Jul 2019 13:03

Tgt Ion: 85 Resp: 839440

Ion Ratio Lower Upper

85 100

87 30.9 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

500000

400000

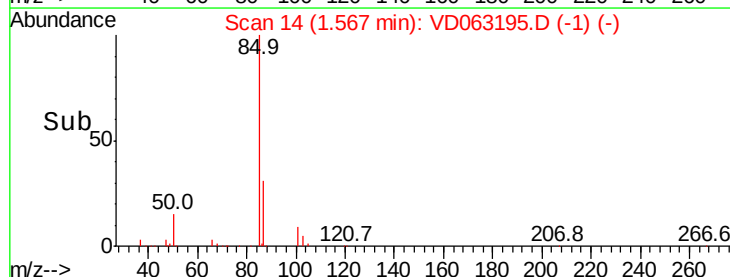
300000

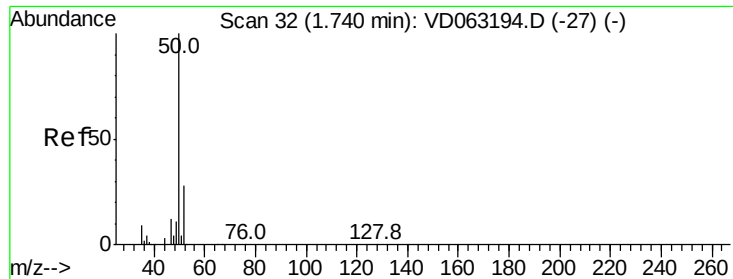
200000

100000

0

Time-->





#3

Chloromethane

Concen: 75.652 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

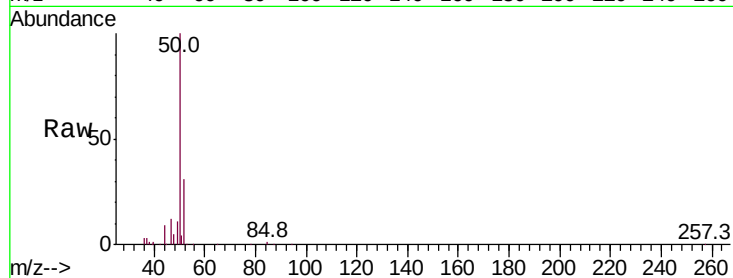
VSTDIC075

Tot Ion: 50 Resp: 656766

Ion Ratio Lower Upper

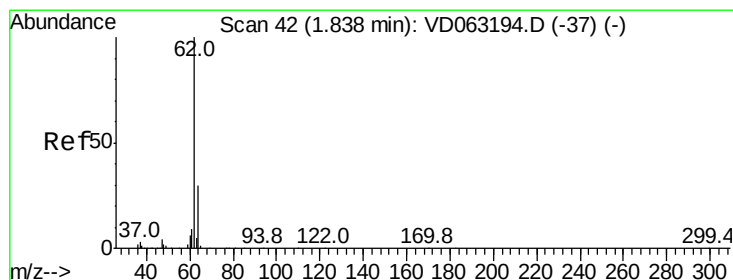
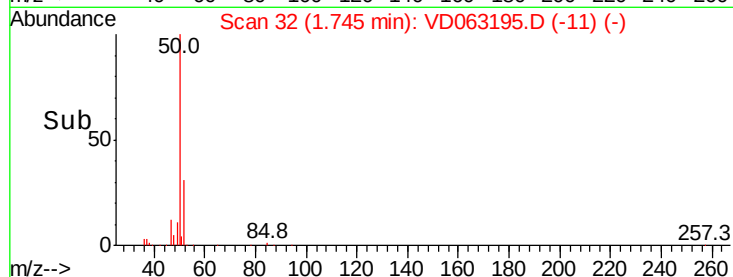
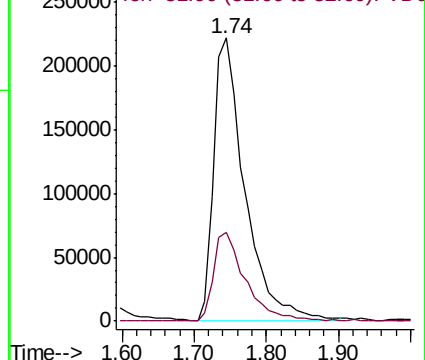
50 100

52 31.3 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: 75.841 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063195.D

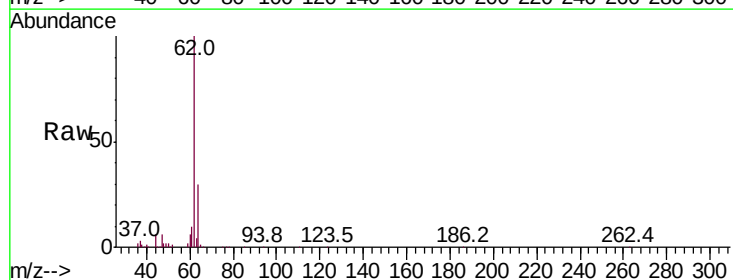
Acq: 29 Jul 2019 13:03

Tgt Ion: 62 Resp: 681392

Ion Ratio Lower Upper

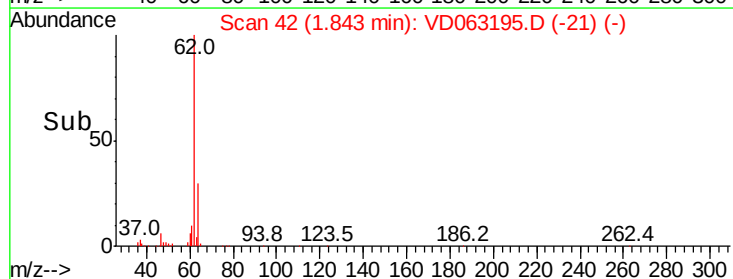
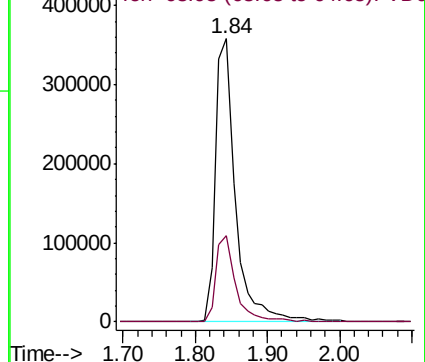
62 100

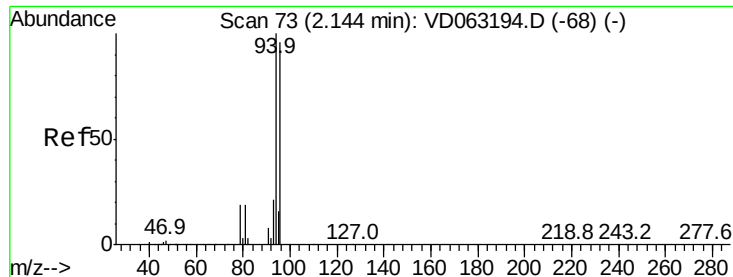
64 30.3 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 67.160 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

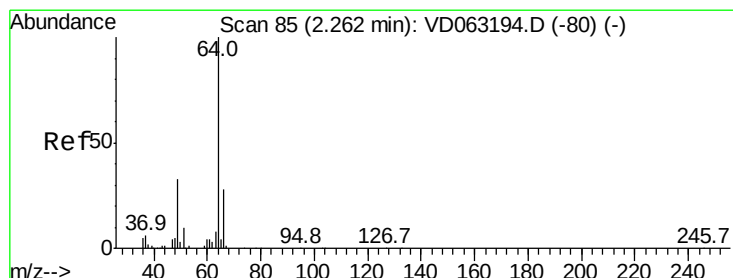
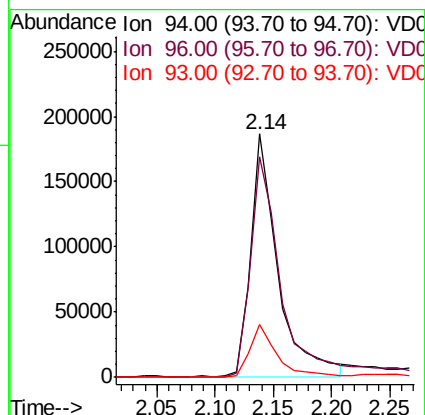
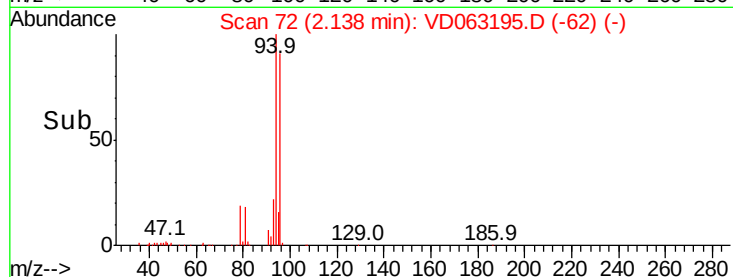
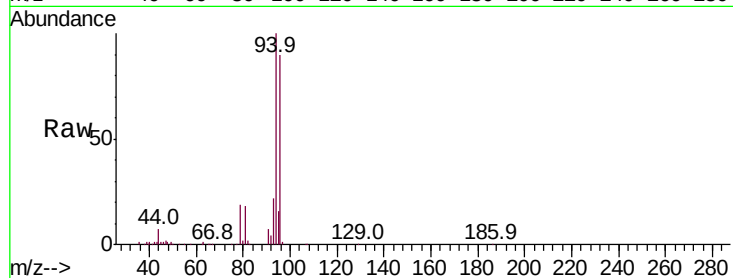
Tot Ion: 94 Resp: 304321

Ion Ratio Lower Upper

94 100

96 90.4 76.4 114.6

93 21.7 17.3 25.9



#6

Chloroethane

Concen: 74.306 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063195.D

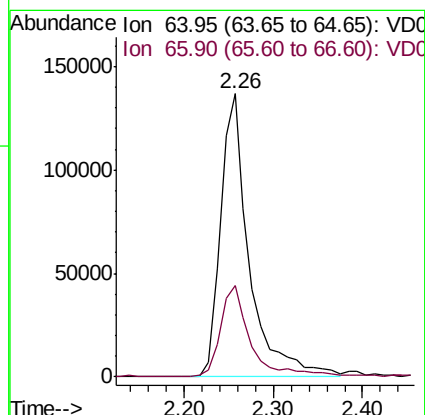
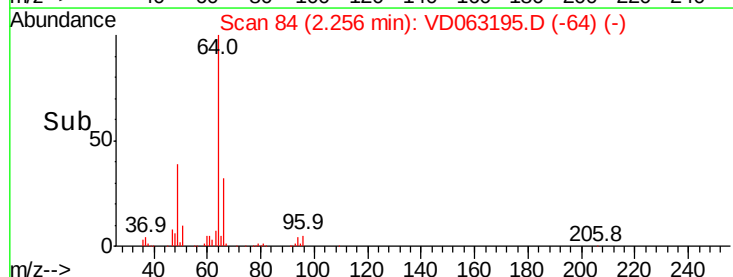
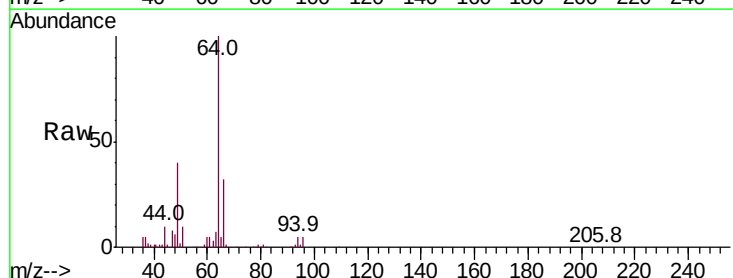
Acq: 29 Jul 2019 13:03

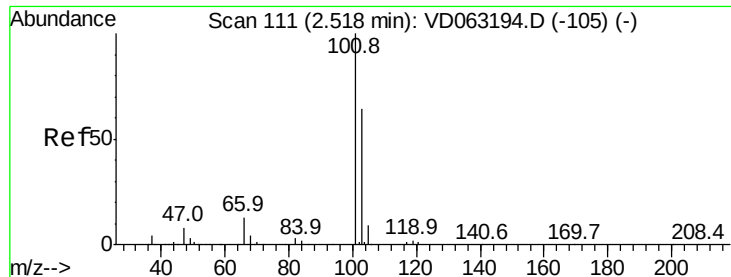
Tgt Ion: 64 Resp: 308226

Ion Ratio Lower Upper

64 100

66 32.1 22.2 33.2



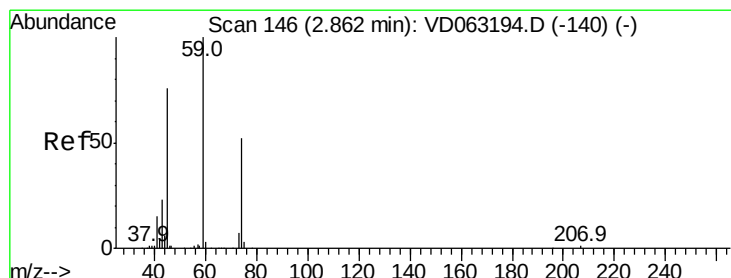
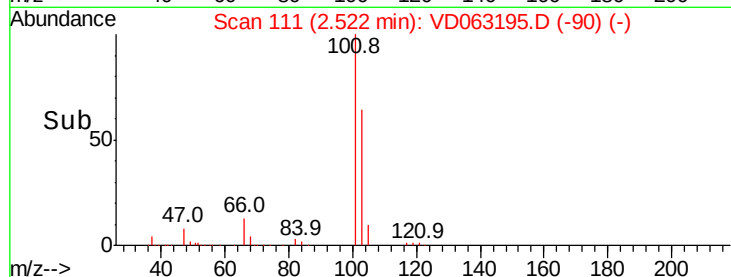
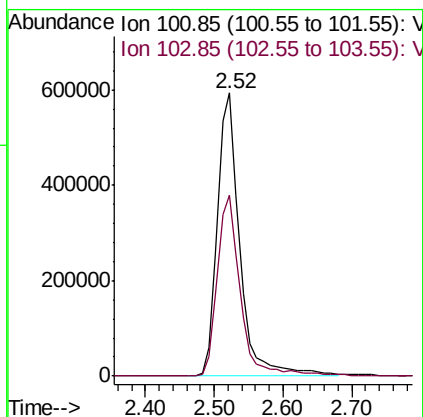
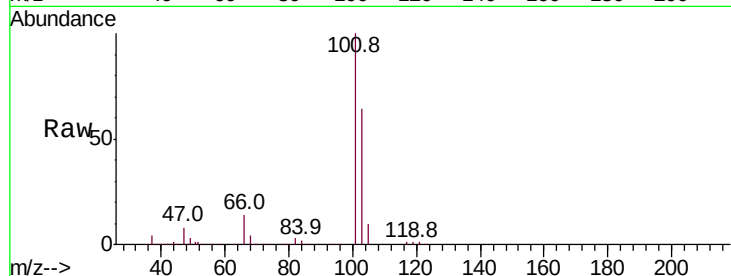


#7

Trichlorofluoromethane
Concen: 77.094 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

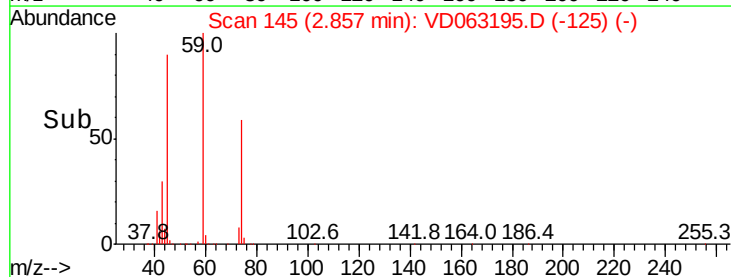
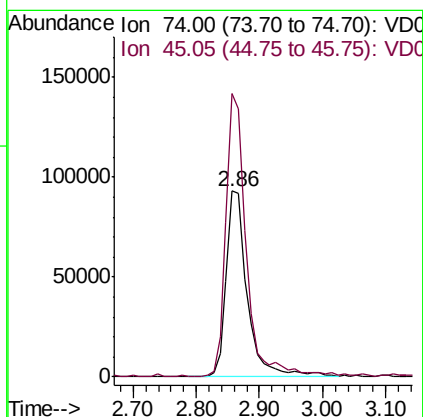
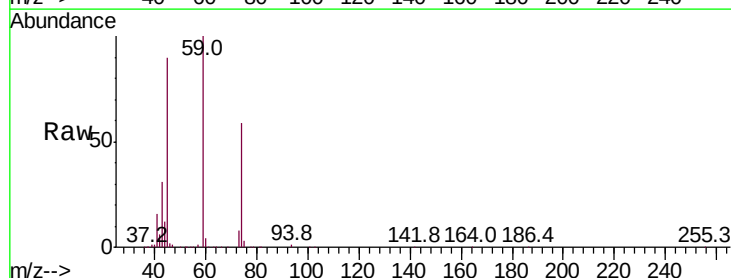
Tot Ion:101 Resp: 1343747
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3

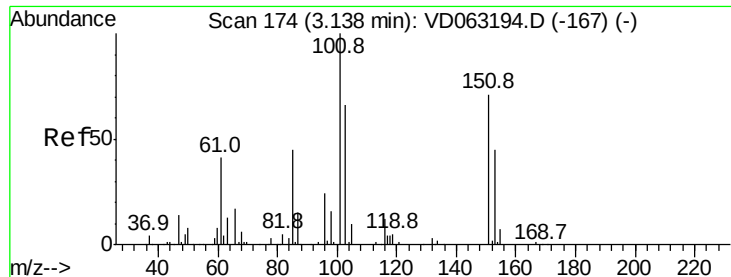


#8

Diethyl Ether
Concen: 88.857 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 74 Resp: 216755
Ion Ratio Lower Upper
74 100
45 152.4 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 78.176 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

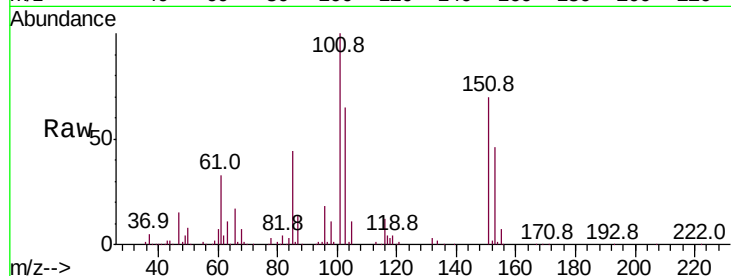
Tot Ion:101 Resp: 754789

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

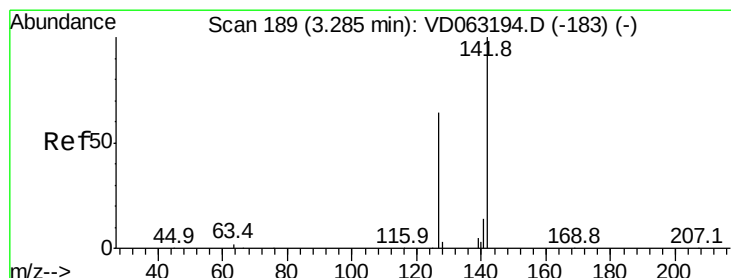
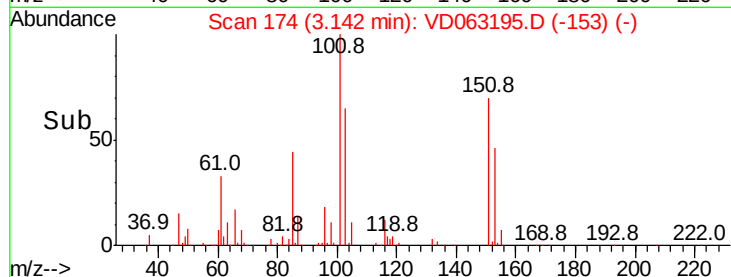
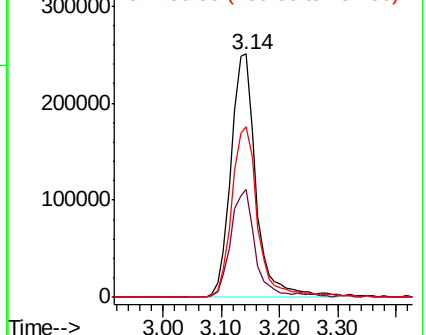
151 69.9 57.1 85.7



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: 87.416 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

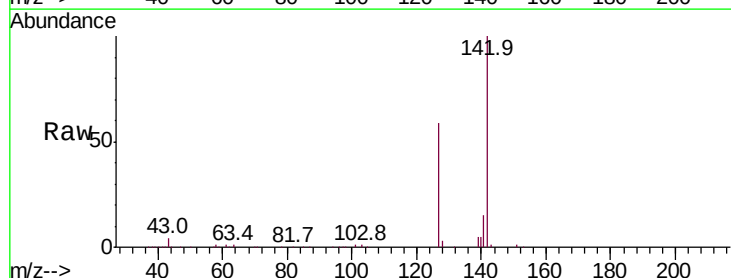
Tgt Ion:142 Resp: 1219262

Ion Ratio Lower Upper

142 100

127 59.0 50.8 76.2

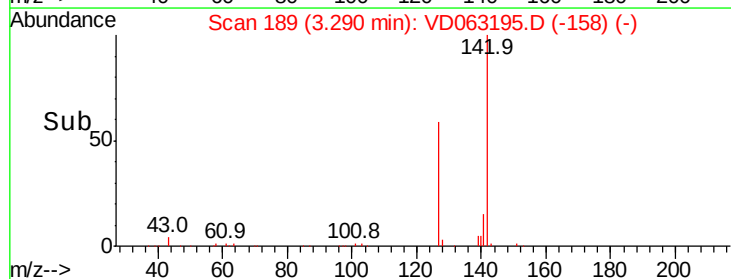
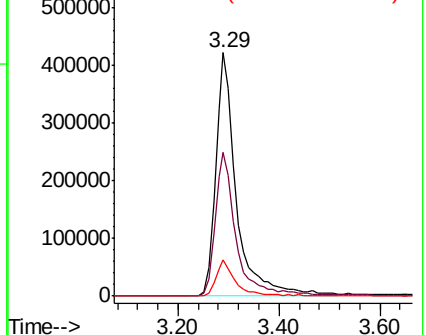
141 15.1 11.4 17.2

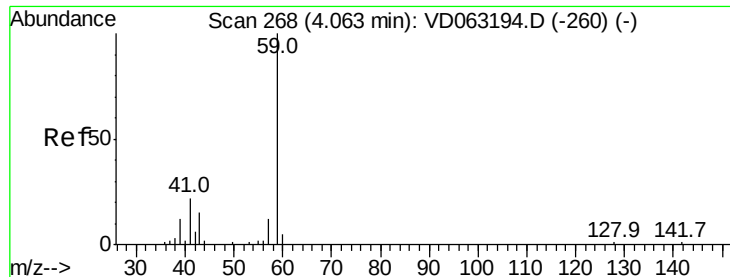


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

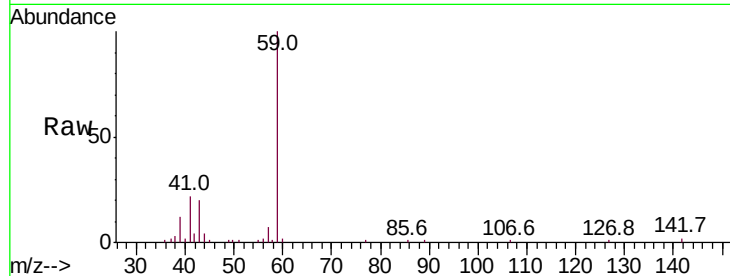




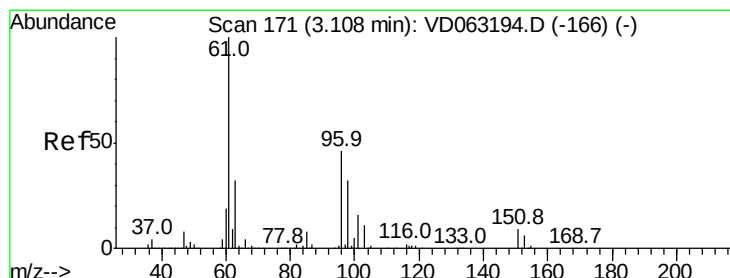
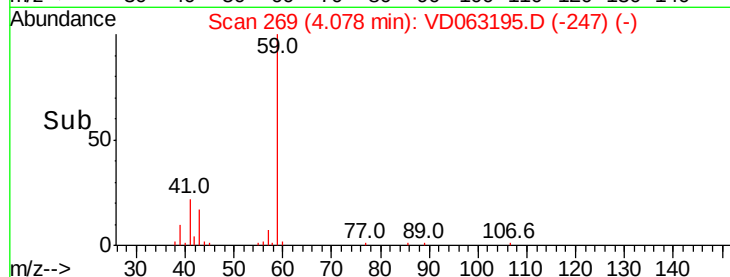
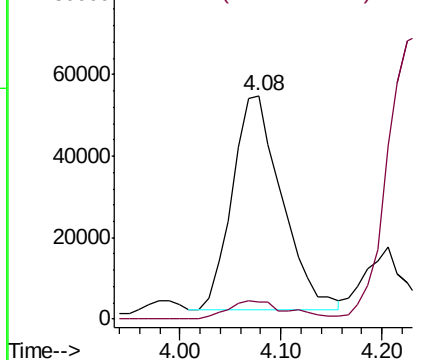
#11
Tert butyl alcohol
Concen: 401.815 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 179815
Ion Ratio Lower Upper
59 100
57 7.4 9.6 14.4#

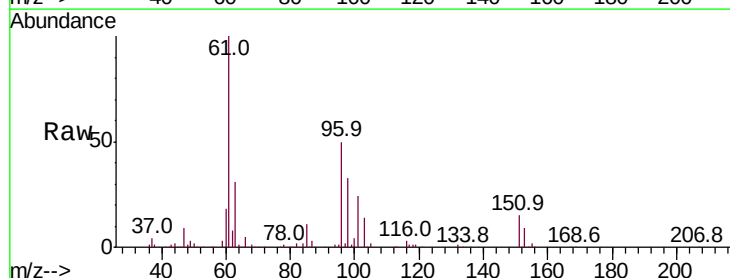


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

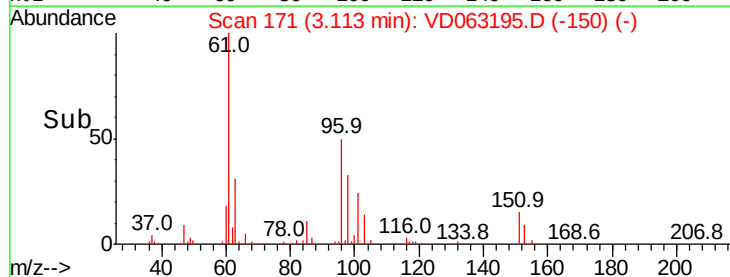
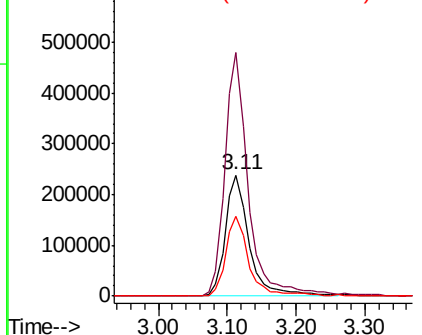


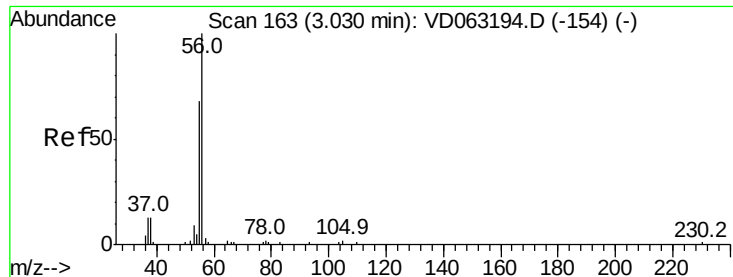
#12
1,1-Dichloroethene
Concen: 80.506 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 96 Resp: 570628
Ion Ratio Lower Upper
96 100
61 201.1 173.7 260.5
98 65.9 55.8 83.8



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





#13

Acrolein

Concen: 364.191 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

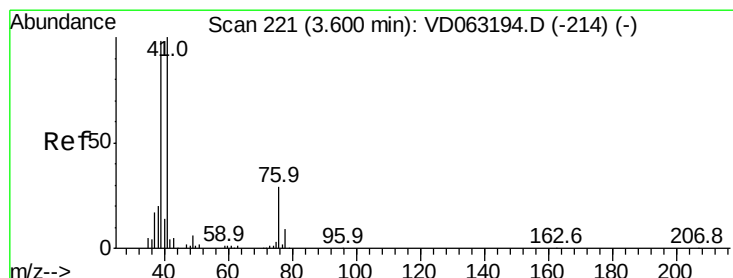
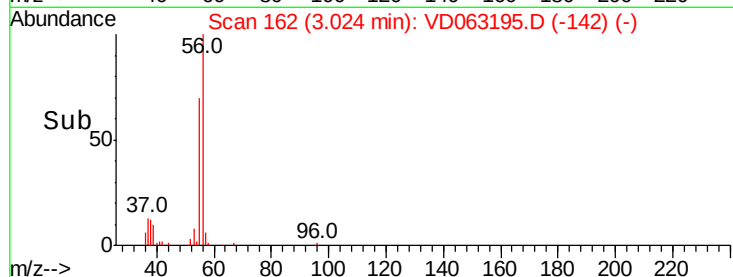
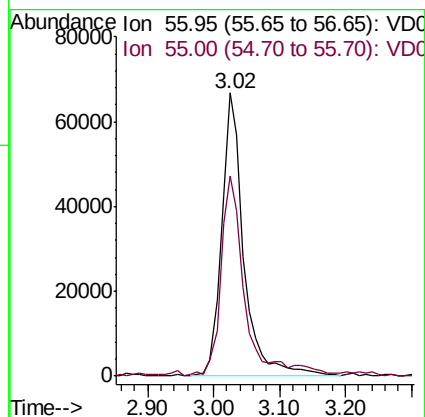
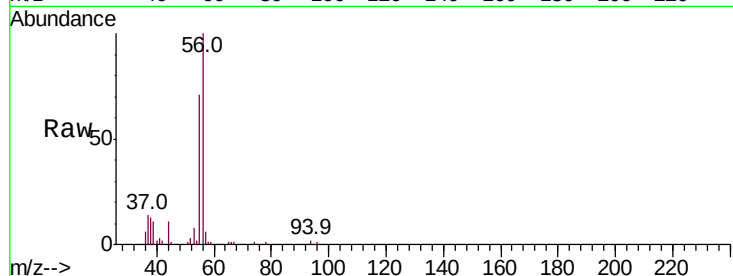
VSTDIC075

Tot Ion: 56 Resp: 155968

Ion Ratio Lower Upper

56 100

55 70.8 55.3 82.9



#14

Allyl chloride

Concen: 81.019 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

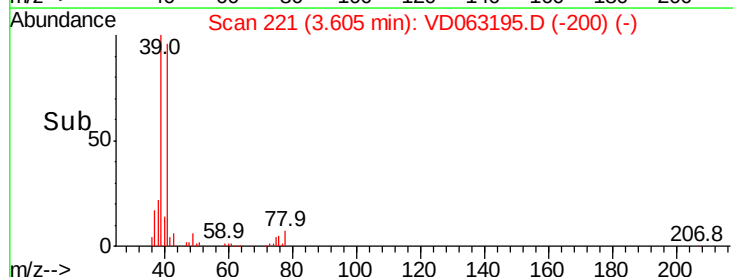
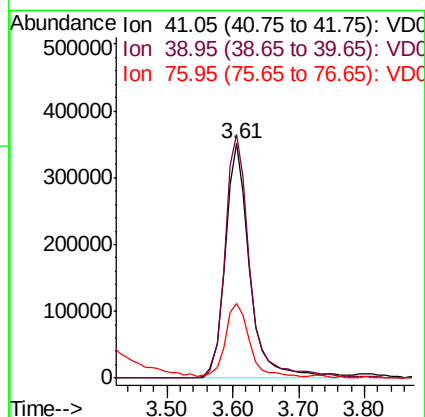
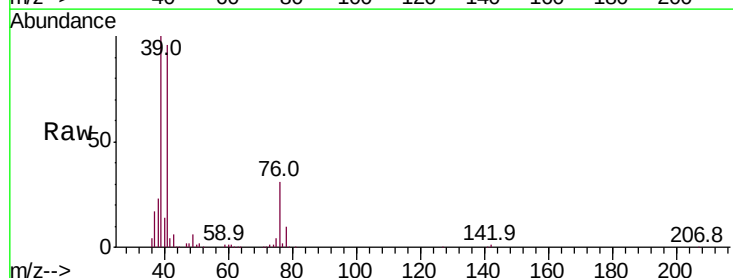
Tgt Ion: 41 Resp: 915206

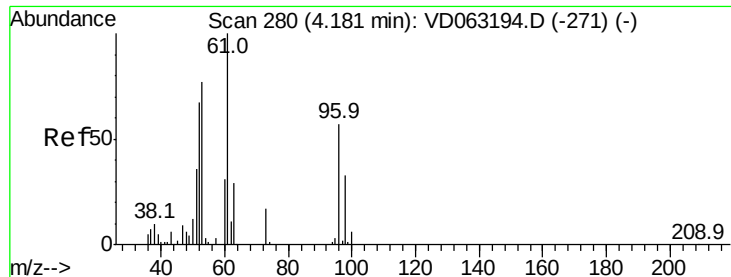
Ion Ratio Lower Upper

41 100

39 103.8 78.6 117.8

76 31.7 24.5 36.7





#15

Acrylonitrile

Concen: 437.920 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

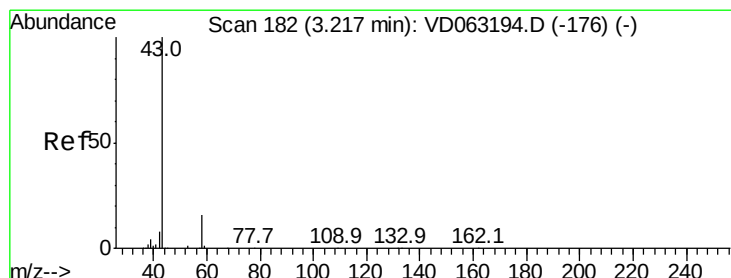
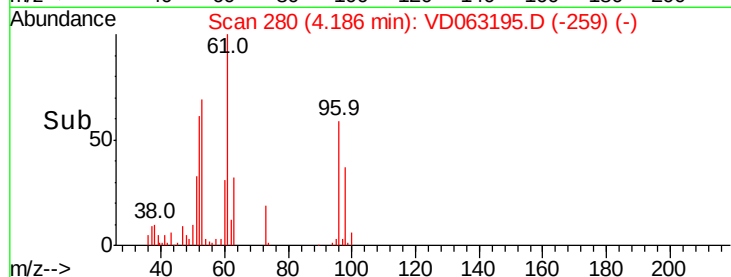
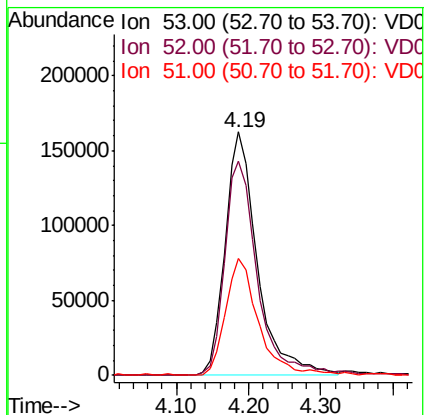
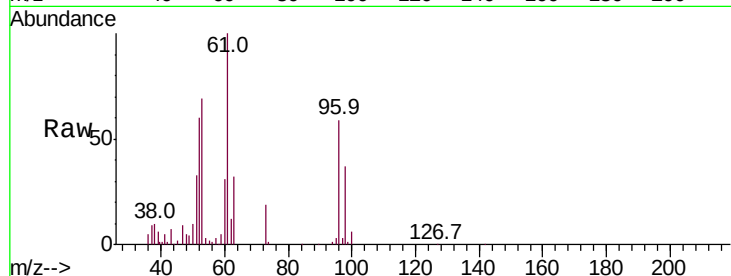
Tot Ion: 53 Resp: 505214

Ion Ratio Lower Upper

53 100

52 88.0 69.7 104.5

51 48.1 37.4 56.0



#16

Acetone

Concen: 462.530 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063195.D

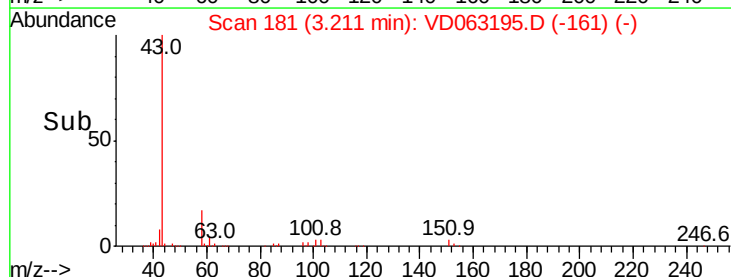
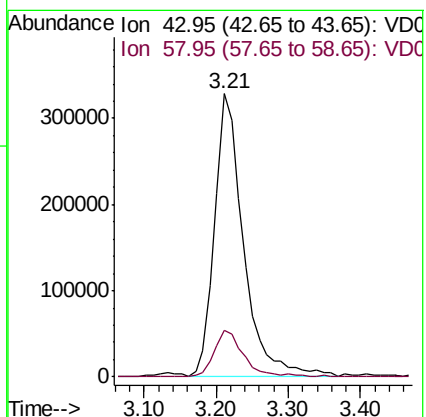
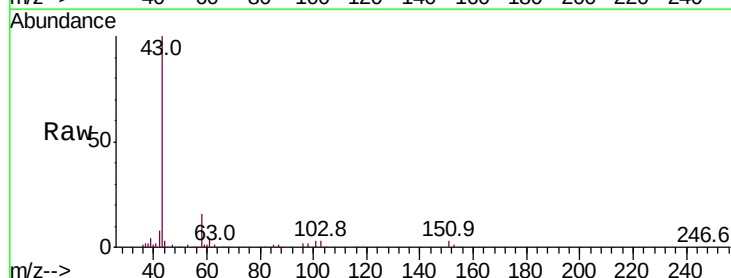
Acq: 29 Jul 2019 13:03

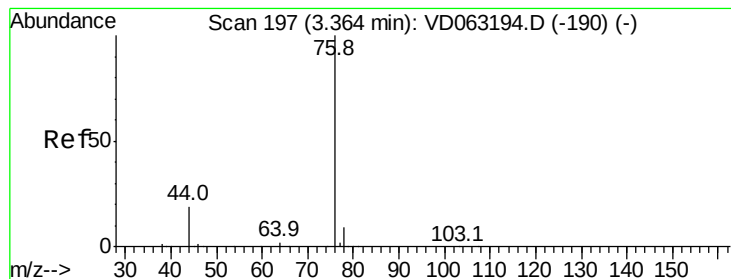
Tgt Ion: 43 Resp: 913797

Ion Ratio Lower Upper

43 100

58 16.5 13.0 19.4





#17

Carbon Disulfide

Concen: 81.411 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

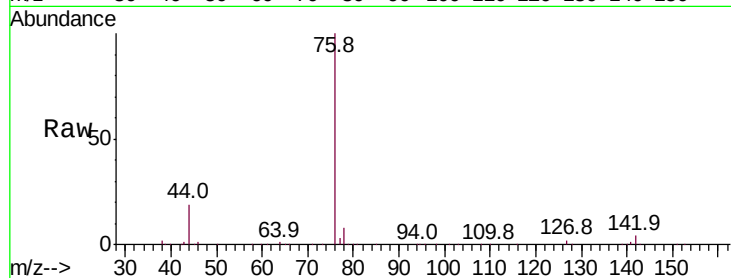
VSTDIC075

Tot Ion: 76 Resp: 1931439

Ion Ratio Lower Upper

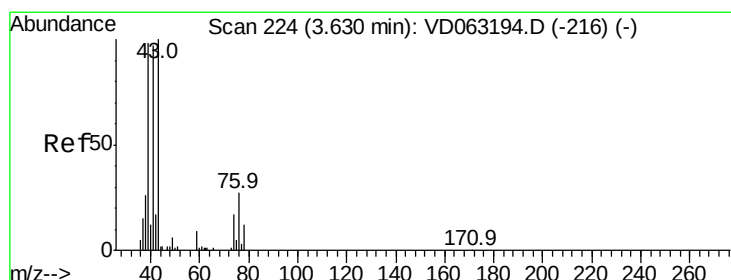
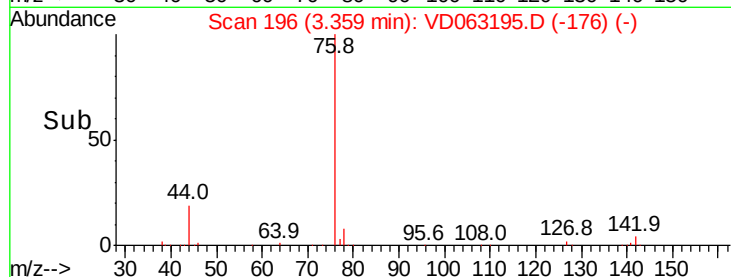
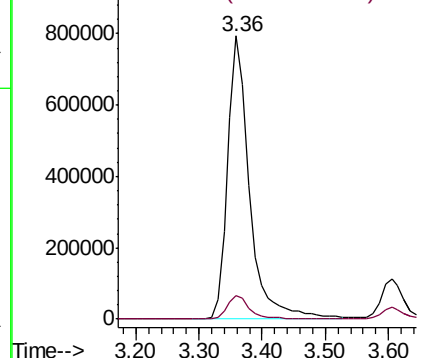
76 100

78 8.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 77.859 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063195.D

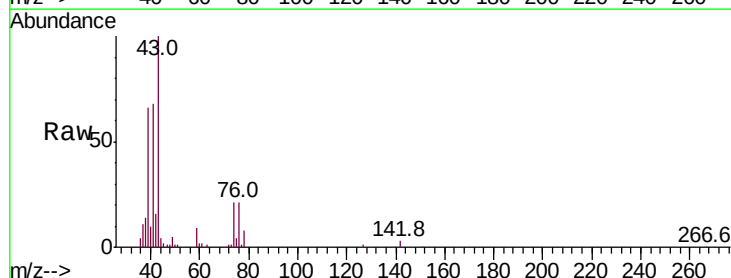
Acq: 29 Jul 2019 13:03

Tgt Ion: 43 Resp: 295466

Ion Ratio Lower Upper

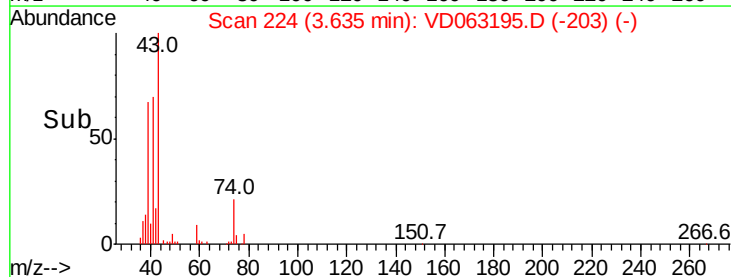
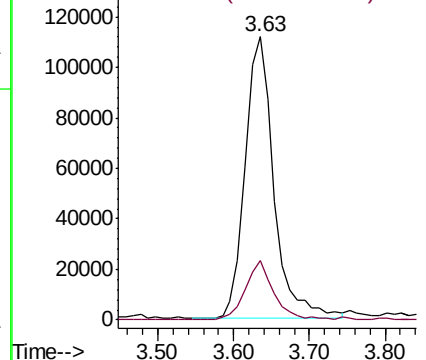
43 100

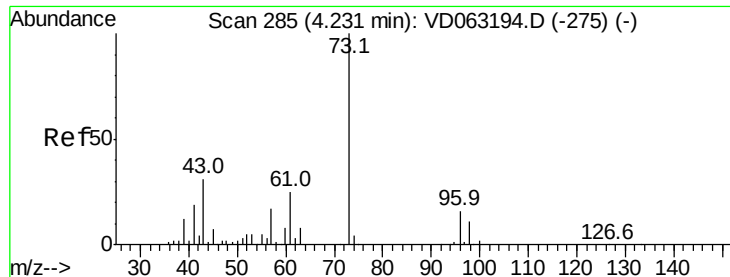
74 21.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



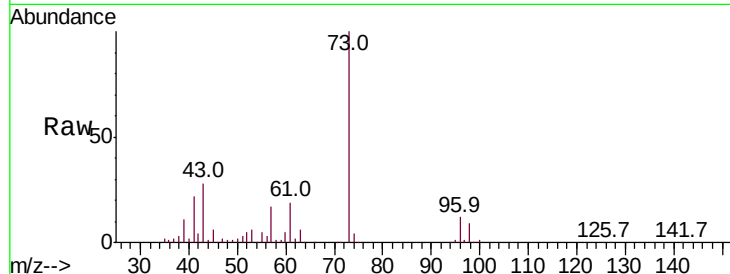


#19

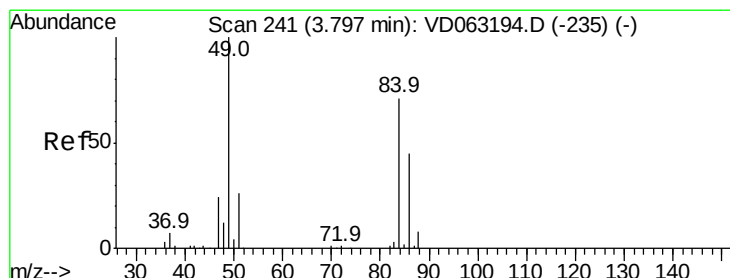
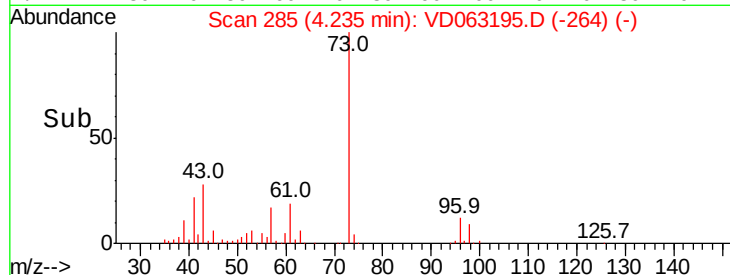
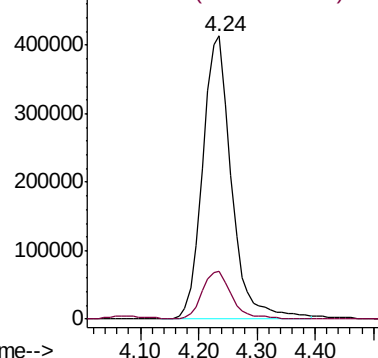
Methyl tert-butyl Ether
 Concen: 88.953 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 73 Resp: 1424225
 Ion Ratio Lower Upper
 73 100
 57 16.8 13.8 20.6



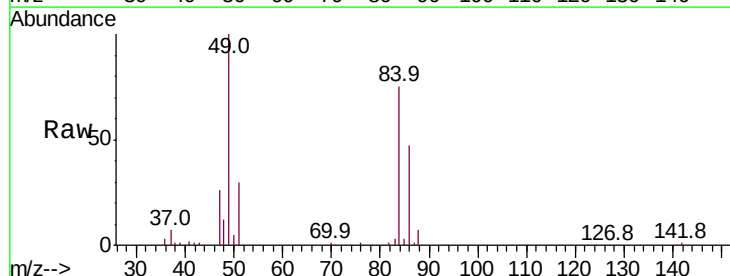
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



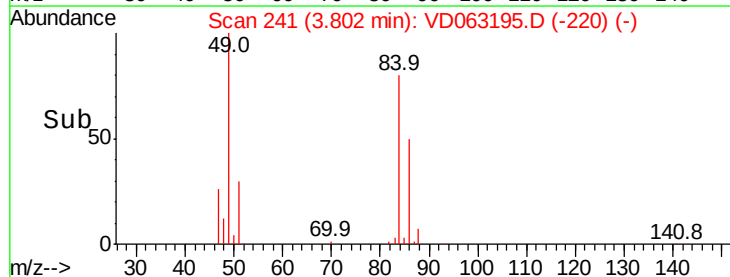
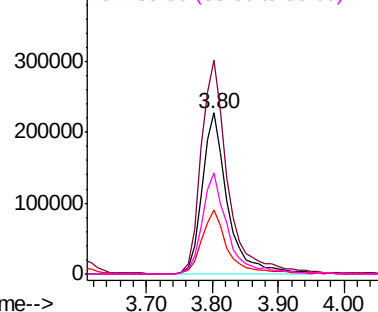
#20

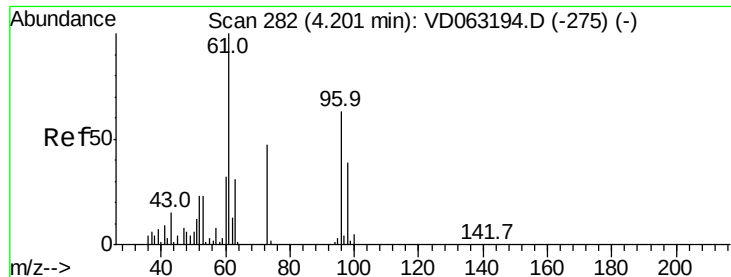
Methylene Chloride
 Concen: 77.241 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Tgt Ion: 84 Resp: 616836
 Ion Ratio Lower Upper
 84 100
 49 132.6 112.5 168.7
 51 40.1 29.6 44.4
 86 62.7 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 82.660 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

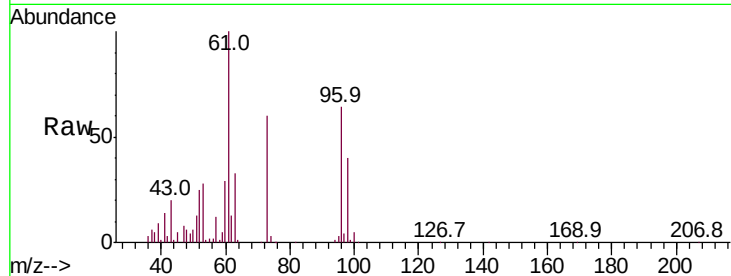
Tot Ion: 96 Resp: 657402

Ion Ratio Lower Upper

96 100

61 155.8 127.4 191.2

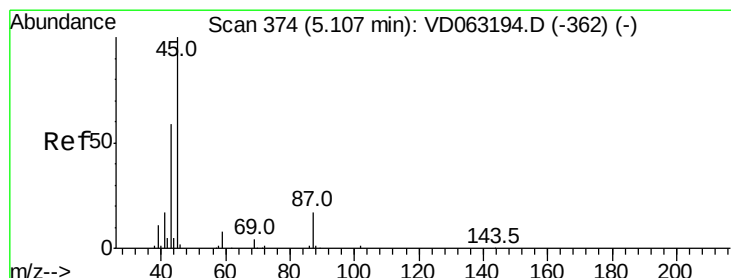
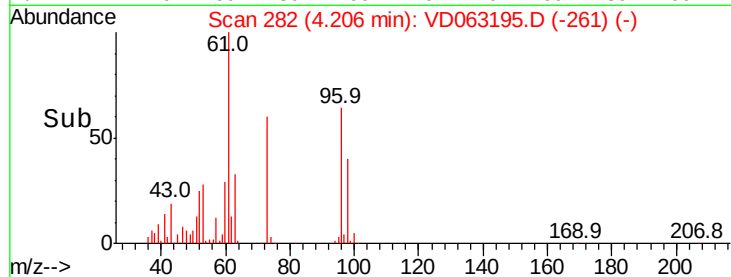
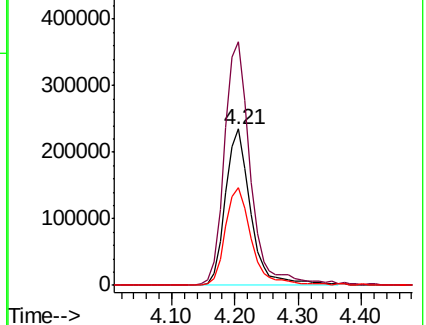
98 62.7 49.3 73.9



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: 83.091 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Tgt Ion: 45 Resp: 1876321

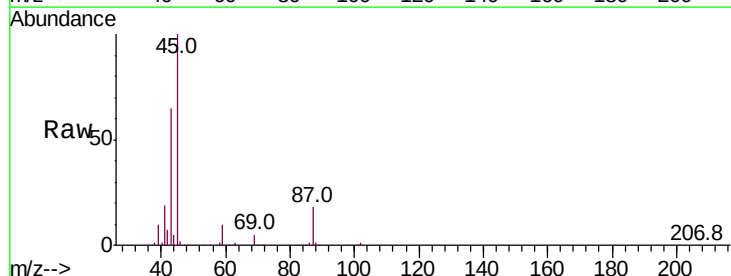
Ion Ratio Lower Upper

45 100

43 65.0 51.7 77.5

87 18.3 14.6 21.8

59 9.6 6.6 10.0

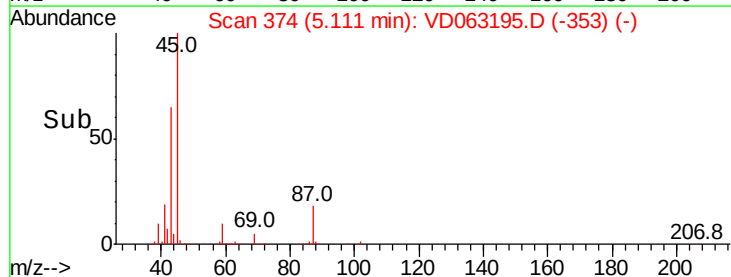
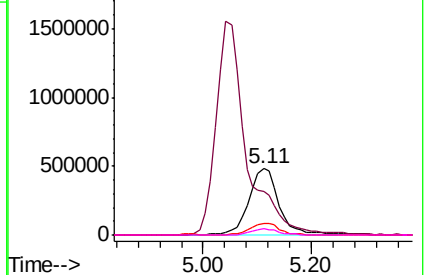


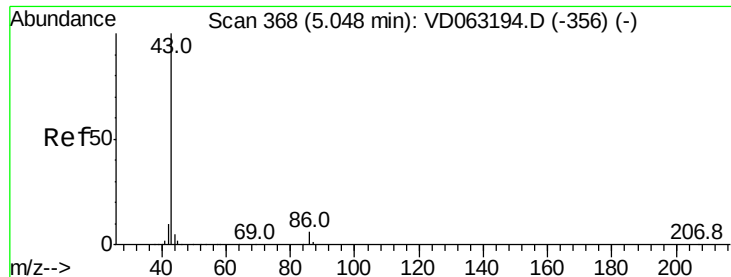
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 430.102 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

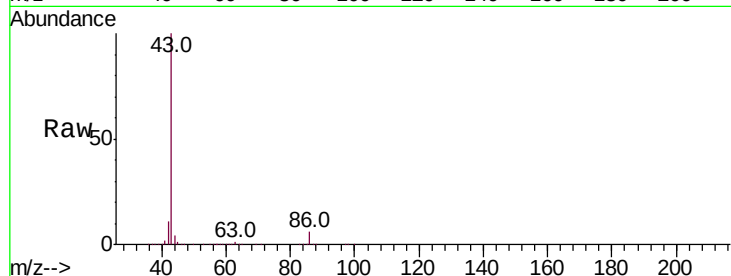
VSTDIC075

Tot Ion: 43 Resp: 5964339

Ion Ratio Lower Upper

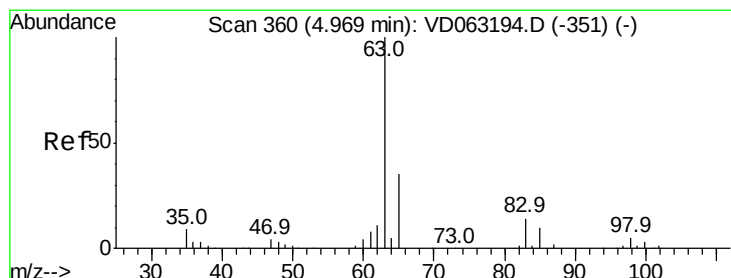
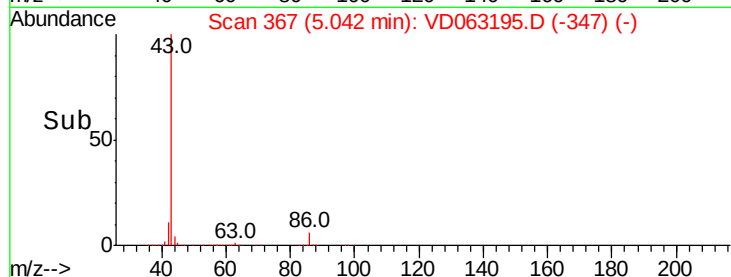
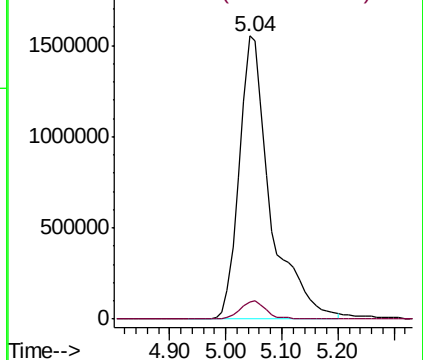
43 100

86 6.1 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: 84.334 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

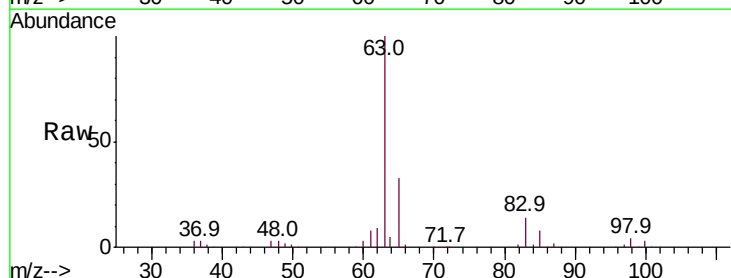
Tgt Ion: 63 Resp: 1215242

Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.4

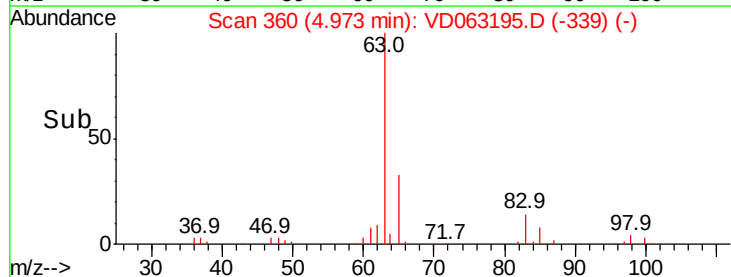
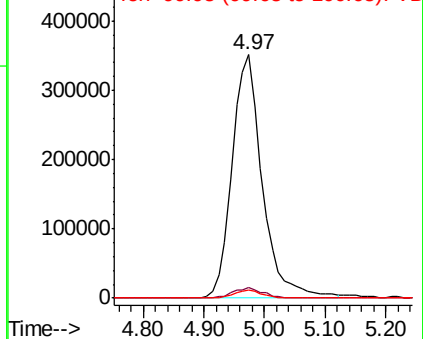
100 3.5 1.3 3.9

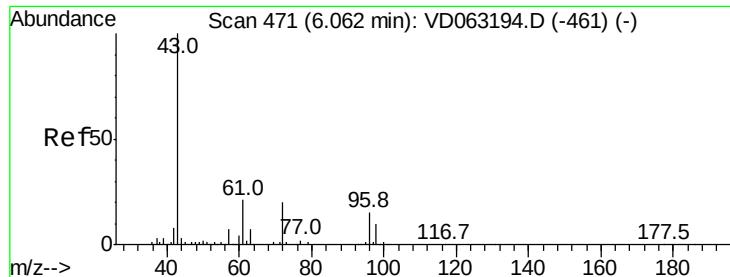


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 444.601 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

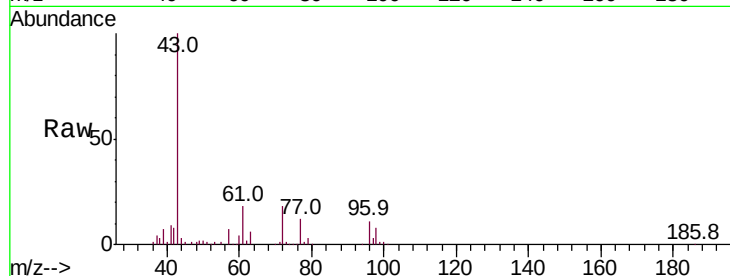
VSTDIC075

Tot Ion: 43 Resp: 881525

Ion Ratio Lower Upper

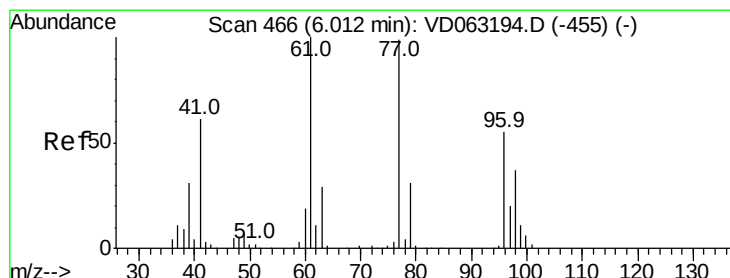
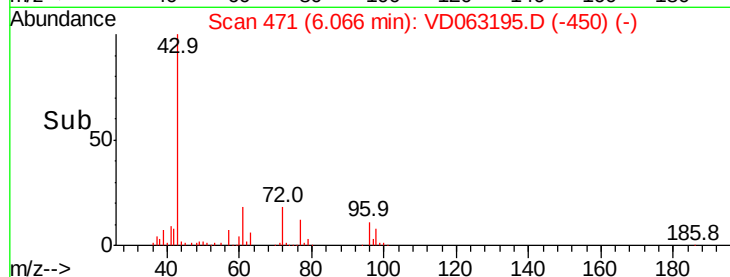
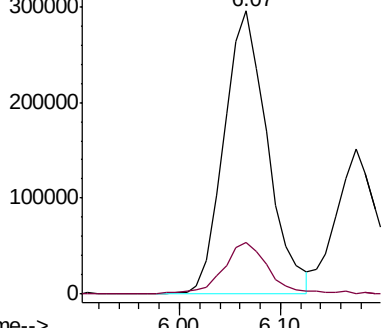
43 100

72 18.0 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: 79.337 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063195.D

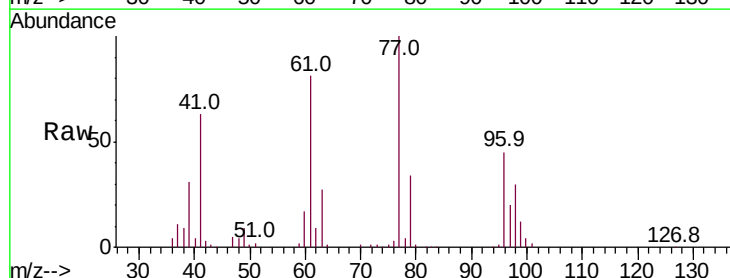
Acq: 29 Jul 2019 13:03

Tgt Ion: 77 Resp: 1178143

Ion Ratio Lower Upper

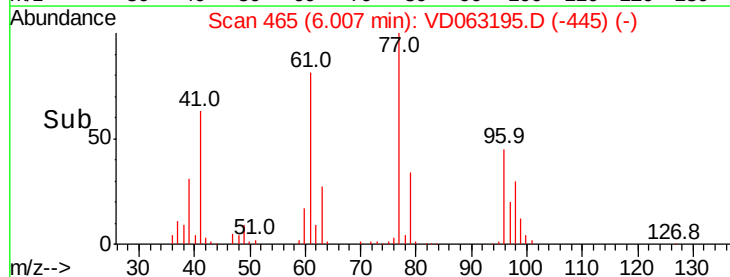
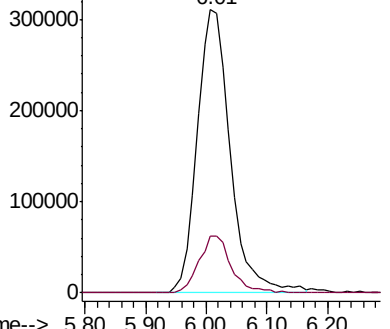
77 100

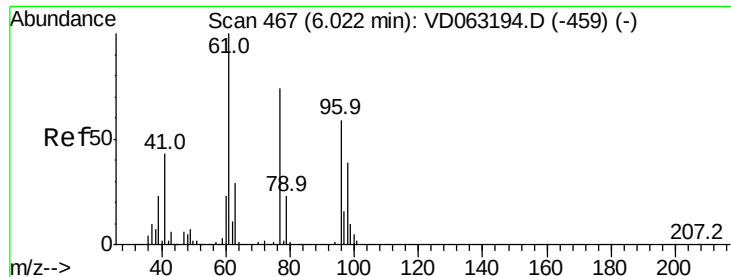
97 20.0 10.2 30.6



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: 81.425 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

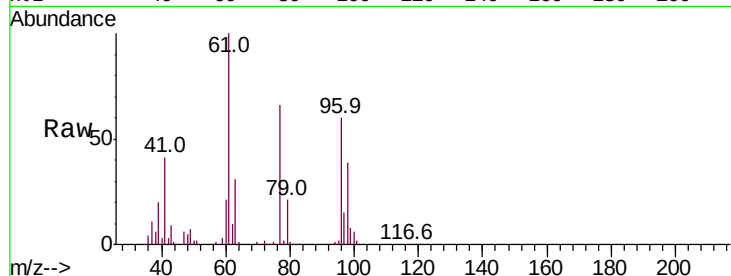
Tot Ion: 96 Resp: 694298

Ion Ratio Lower Upper

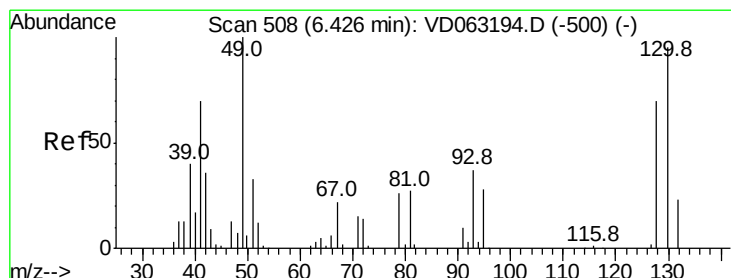
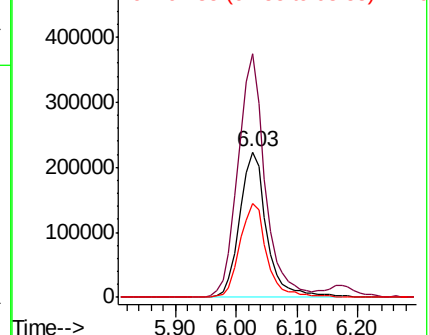
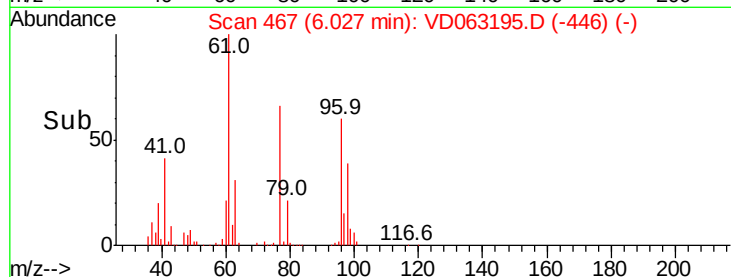
96 100

61 167.6 0.0 337.2

98 64.9 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: 81.998 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

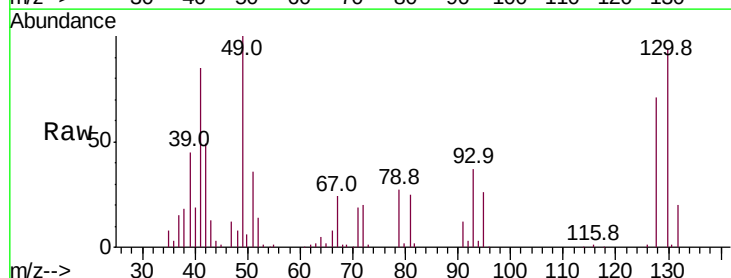
Tgt Ion: 49 Resp: 471630

Ion Ratio Lower Upper

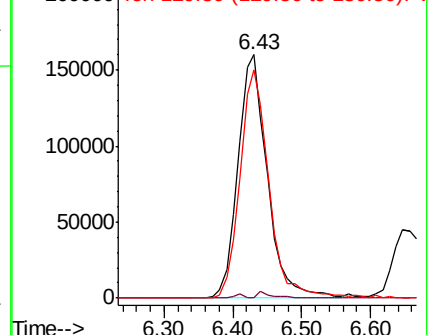
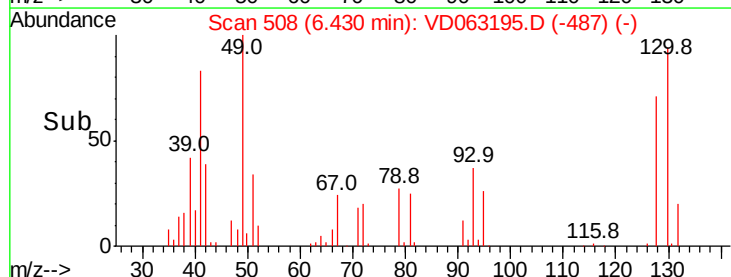
49 100

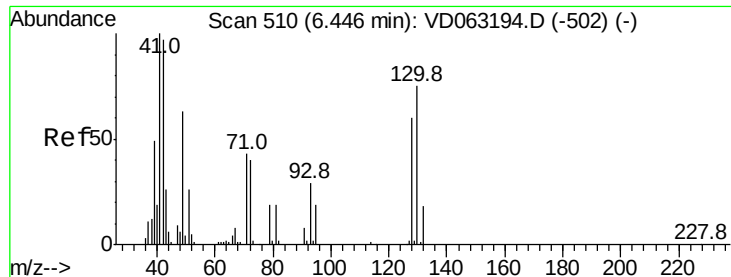
129 0.0 0.0 0.0

130 93.5 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: 445.181 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

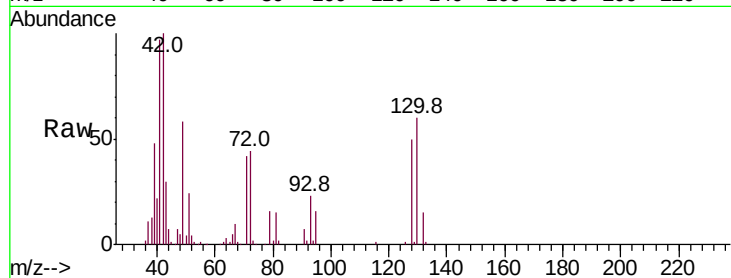
Tot Ion: 42 Resp: 417901

Ion Ratio Lower Upper

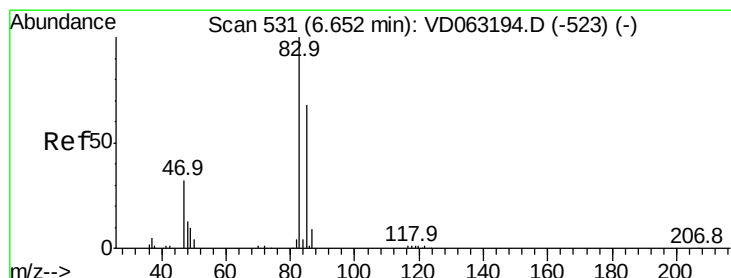
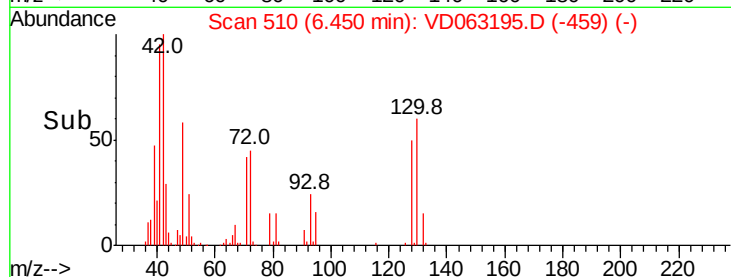
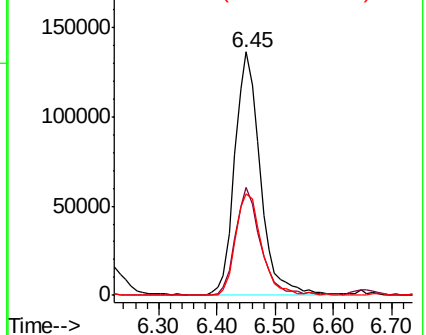
42 100

72 43.3 33.4 50.2

71 42.2 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: 77.158 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063195.D

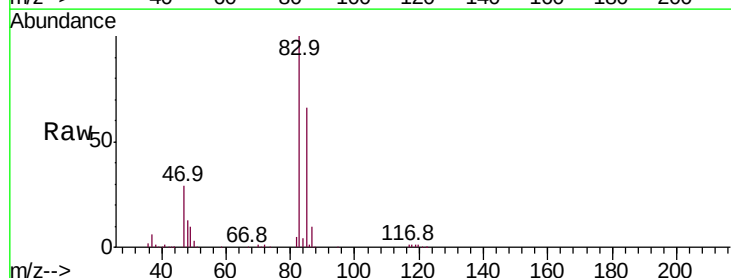
Acq: 29 Jul 2019 13:03

Tgt Ion: 83 Resp: 1379805

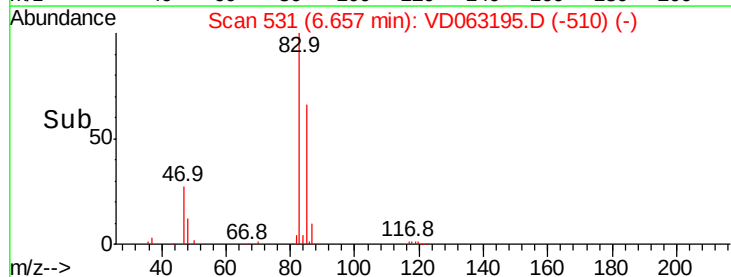
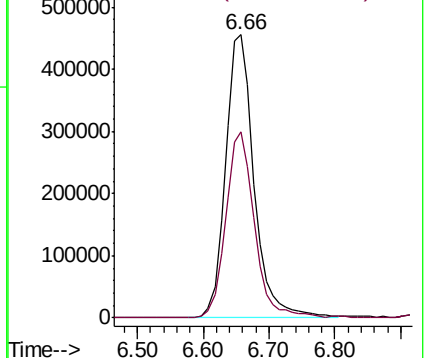
Ion Ratio Lower Upper

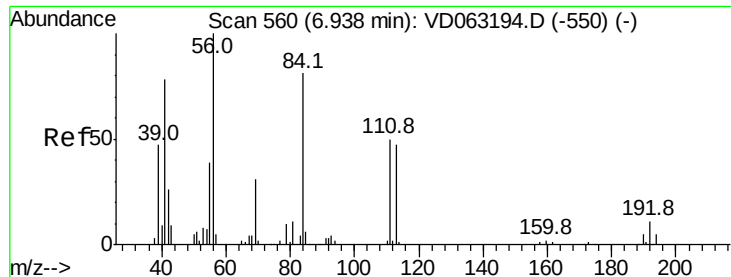
83 100

85 65.9 54.2 81.4



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

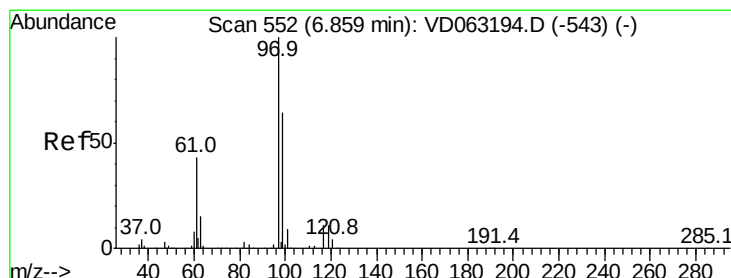
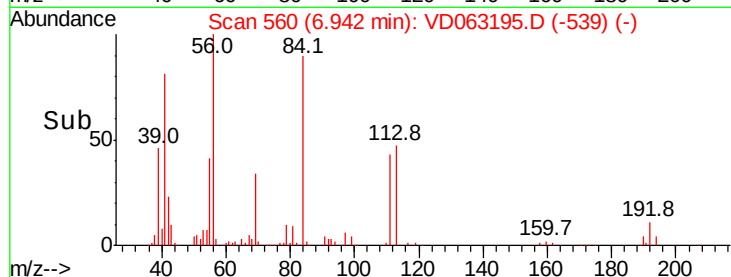
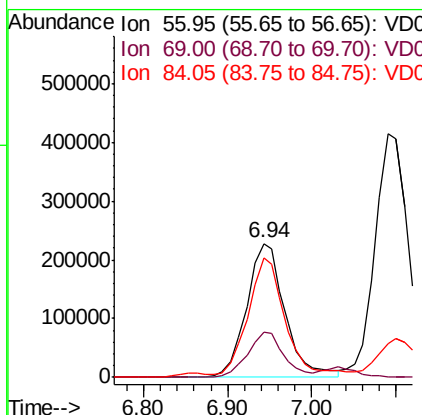
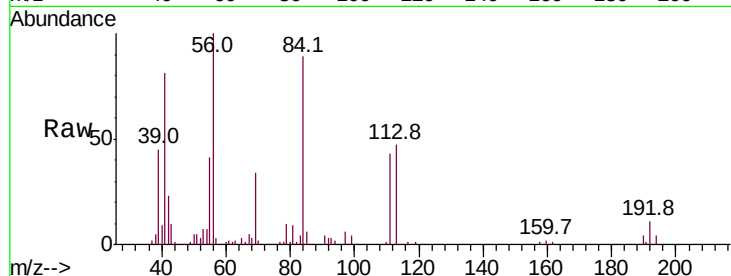




#31
Cyclohexane
Concen: 80.296 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

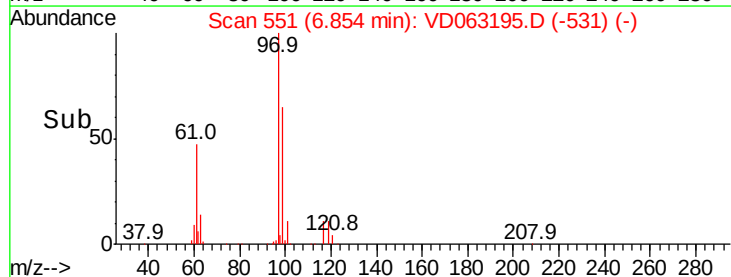
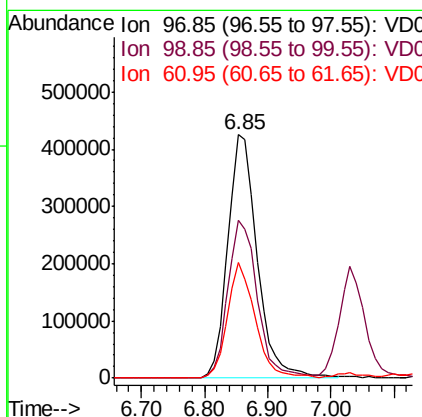
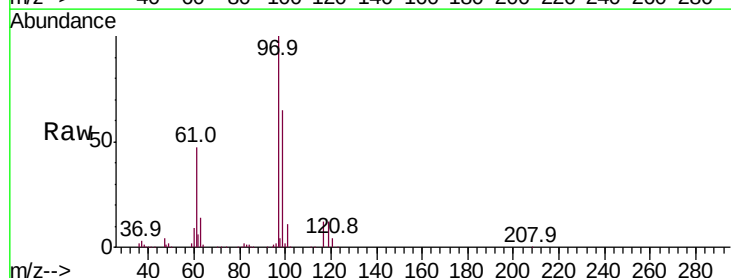
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

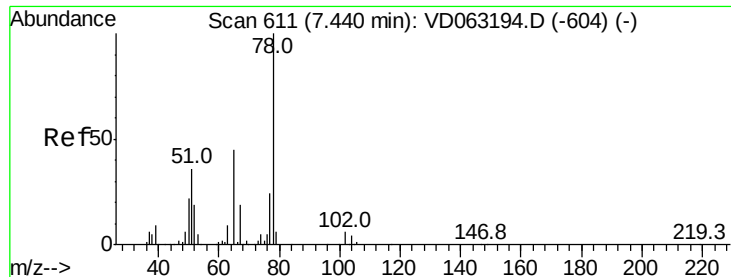
Tot Ion: 56 Resp: 725250
Ion Ratio Lower Upper
56 100
69 34.2 24.5 36.7
84 89.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 79.263 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 97 Resp: 1371038
Ion Ratio Lower Upper
97 100
99 65.1 51.2 76.8
61 47.3 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 89.713 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

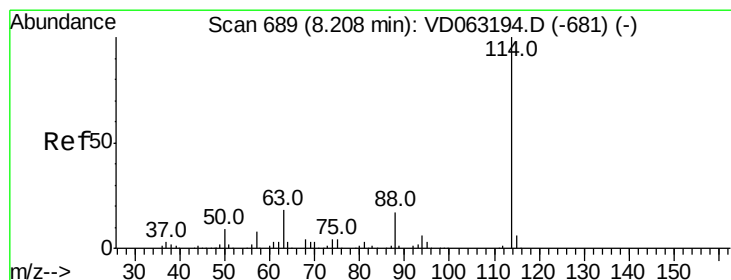
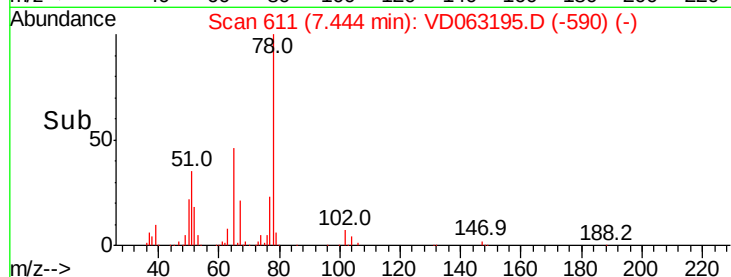
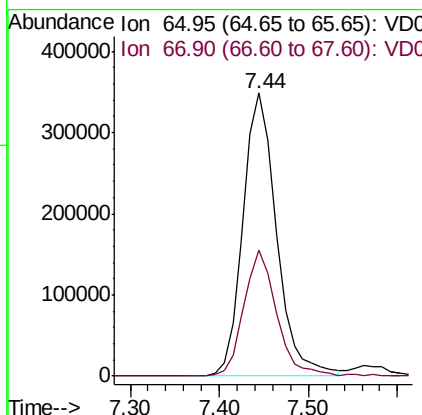
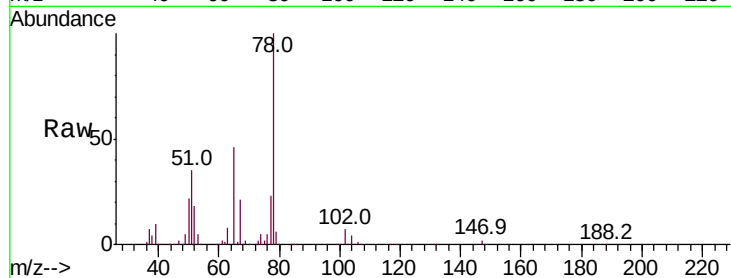
Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 65 Resp: 909682

Ion	Ratio	Lower	Upper
65	100		
67	44.3	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

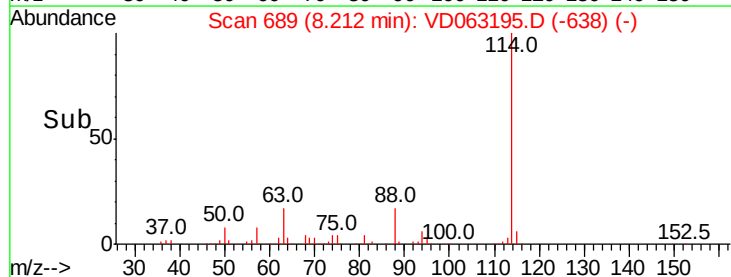
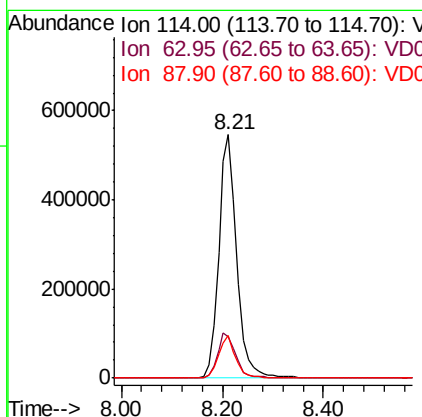
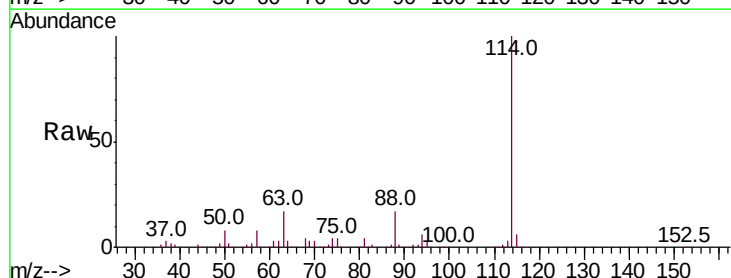
Delta R.T. 0.00 min

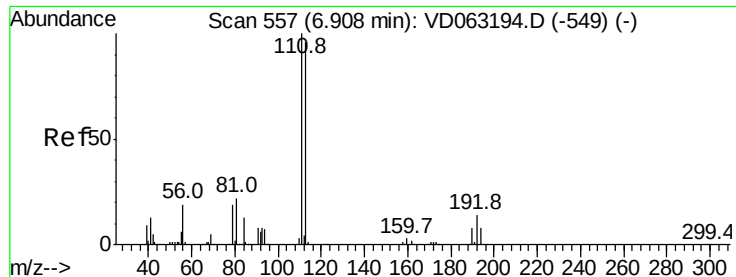
Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Tgt Ion: 114 Resp: 1351853

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.2
88	17.4	0.0	34.6





#35

Dibromofluoromethane

Concen: 82.463 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

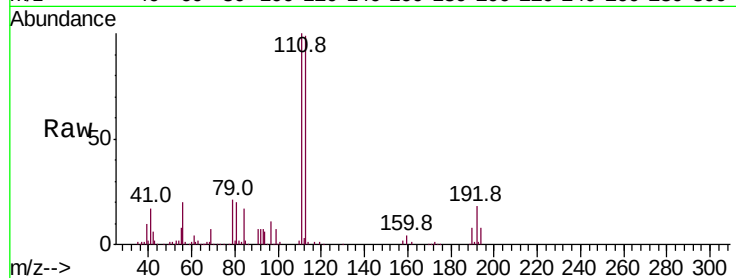
Tot Ion:113 Resp: 951783

Ion Ratio Lower Upper

113 100

111 100.8 83.2 124.8

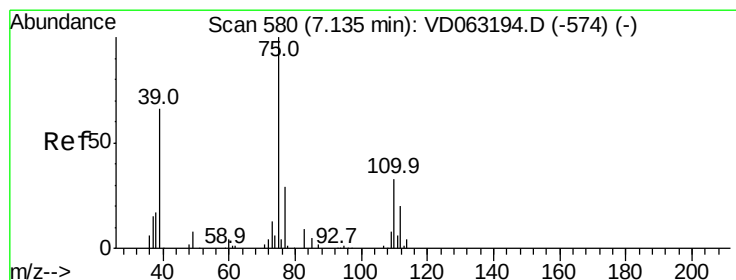
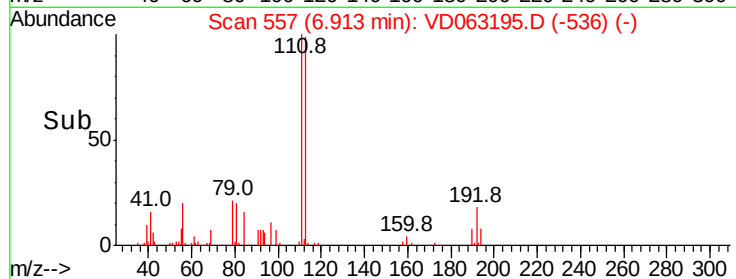
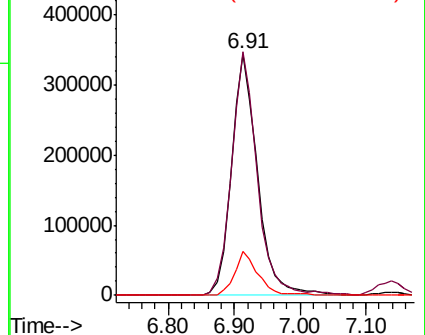
192 18.1 11.8 17.8#



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: 75.263 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

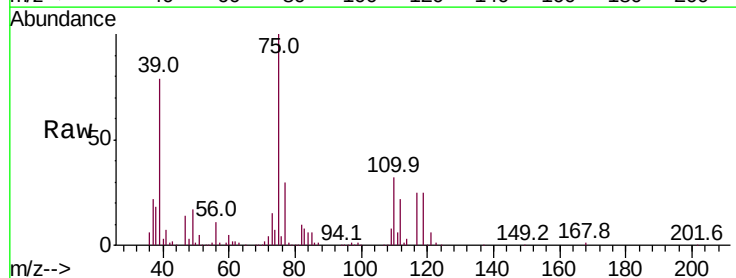
Tgt Ion: 75 Resp: 928546

Ion Ratio Lower Upper

75 100

110 32.5 16.1 48.2

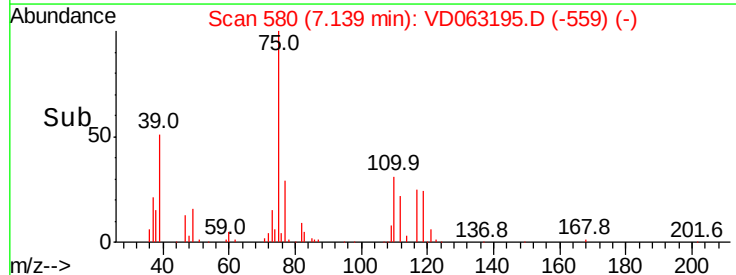
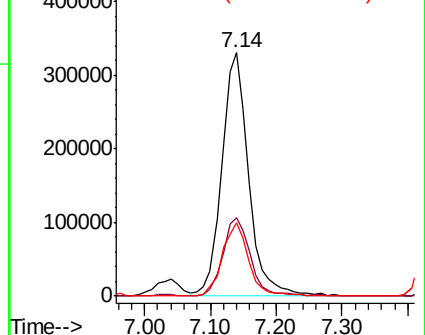
77 30.2 22.7 34.1

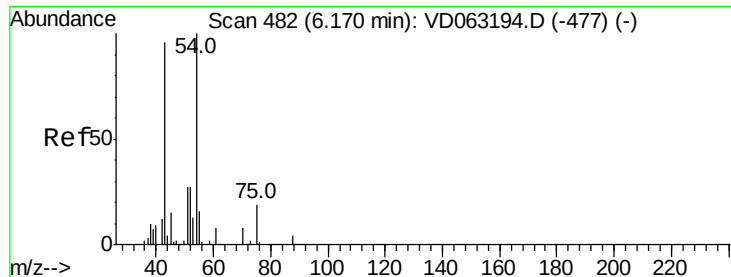


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

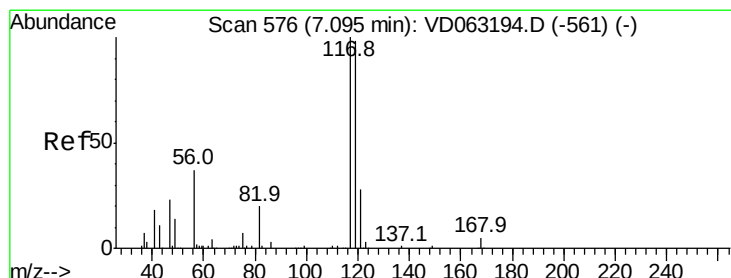
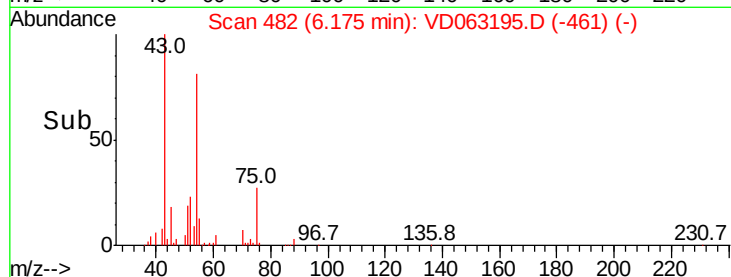
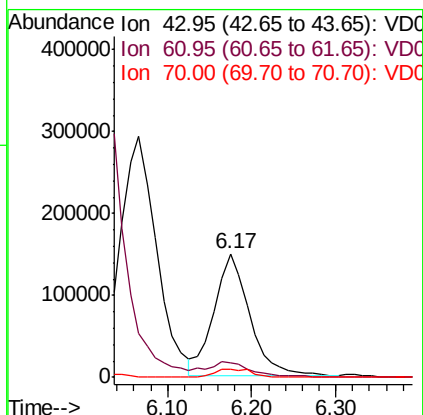
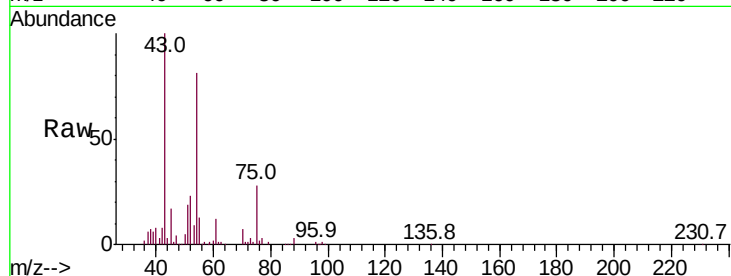




#37
Ethyl Acetate
Concen: 79.879 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

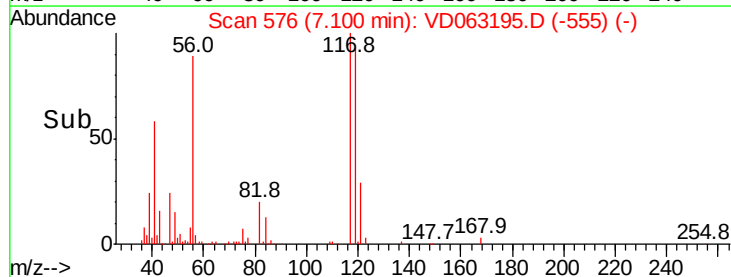
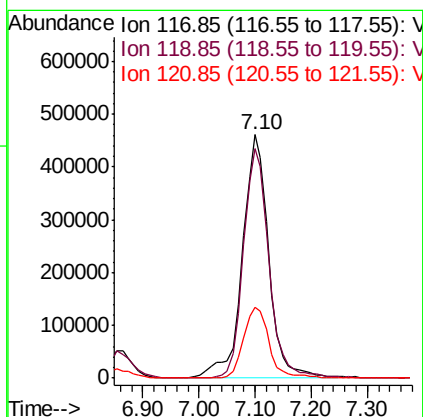
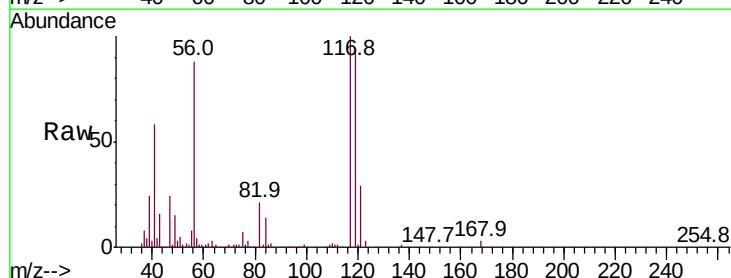
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

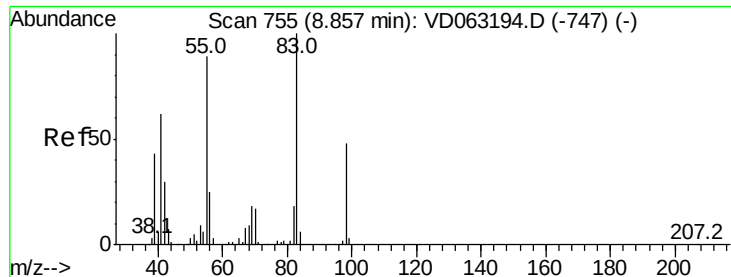
Tot Ion: 43 Resp: 441831
Ion Ratio Lower Upper
43 100
61 12.1 11.3 16.9
70 6.8 5.1 7.7



#38
Carbon Tetrachloride
Concen: 80.584 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 117 Resp: 1496732
Ion Ratio Lower Upper
117 100
119 94.1 78.2 117.2
121 29.3 22.1 33.1

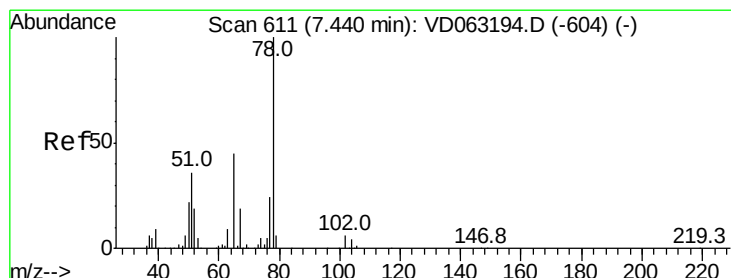
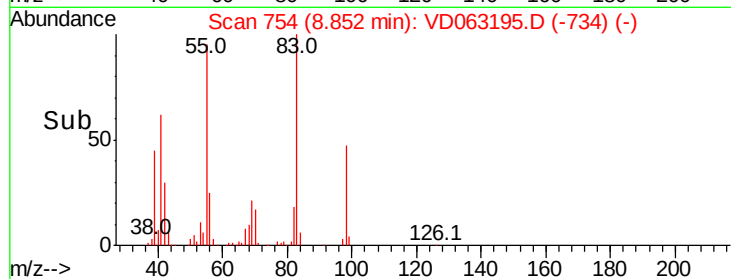
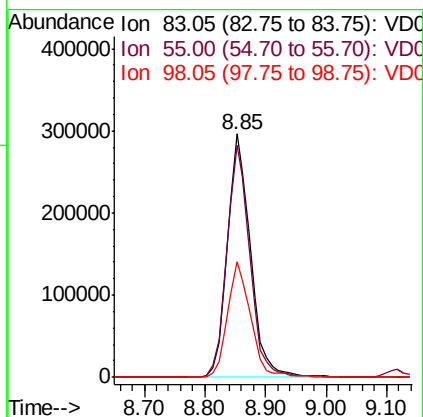
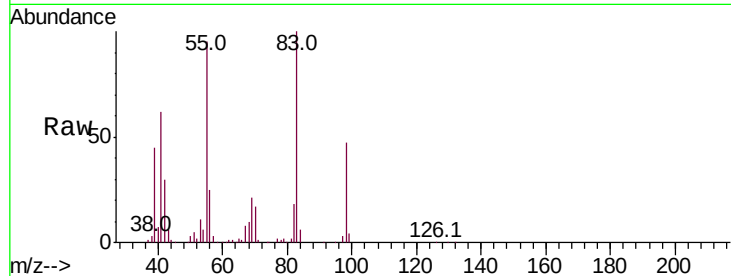




#39
Methylvlcyclohexane
Concen: 76.239 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

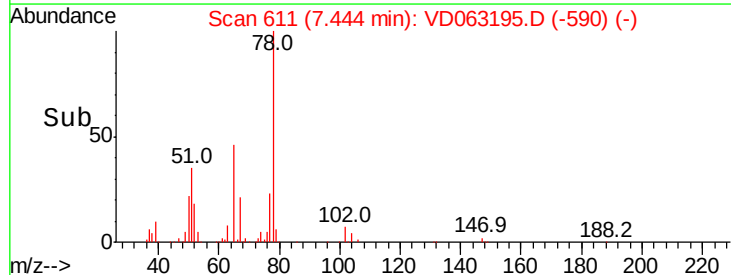
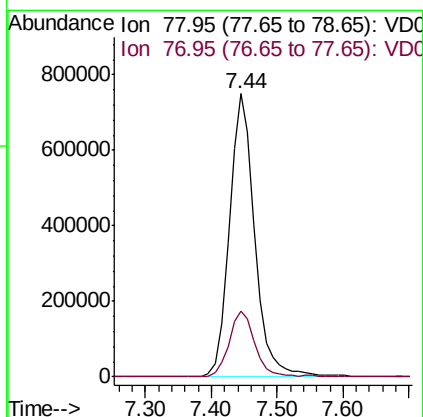
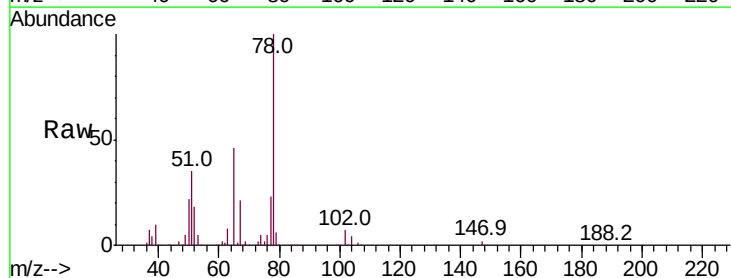
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

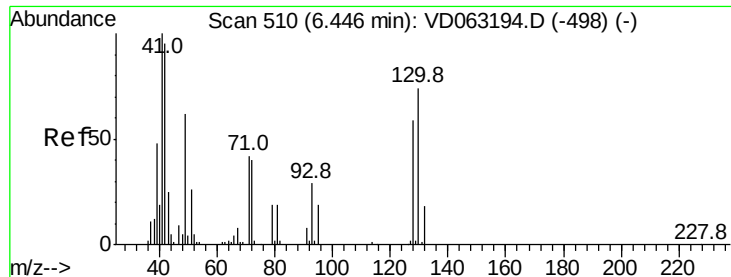
Tot Ion: 83 Resp: 783669
Ion Ratio Lower Upper
83 100
55 95.2 71.1 106.7
98 47.4 38.5 57.7



#40
Benzene
Concen: 77.879 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 78 Resp: 2013702
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.2

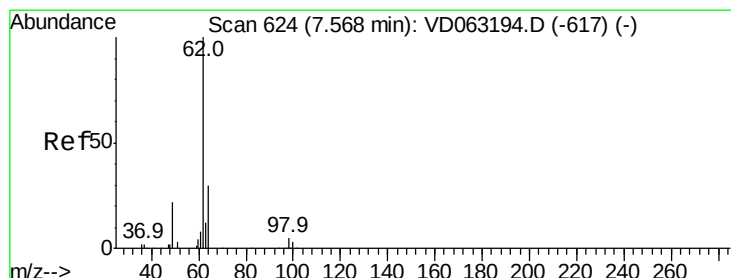
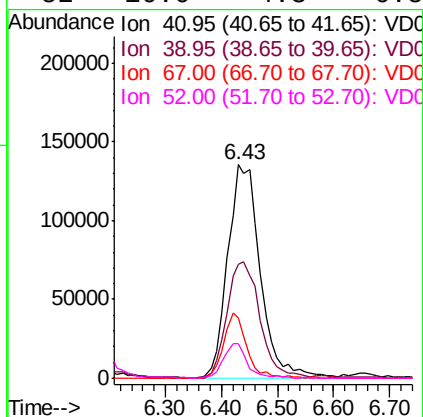
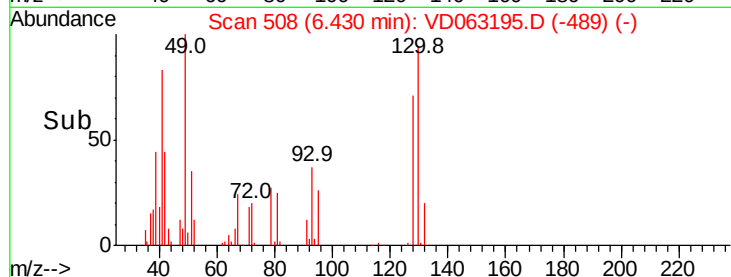
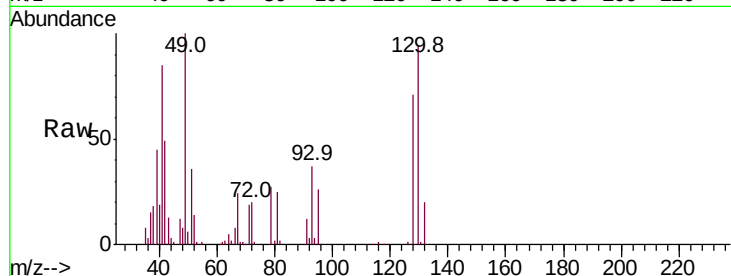




#41
Methacrylonitrile
Concen: 82.576 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

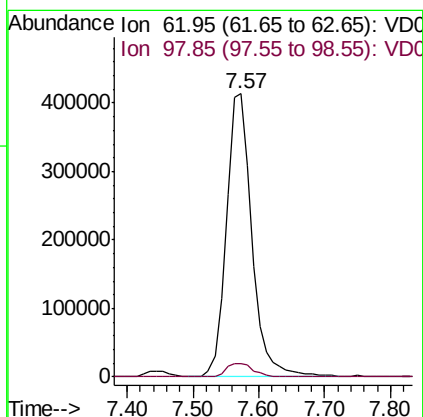
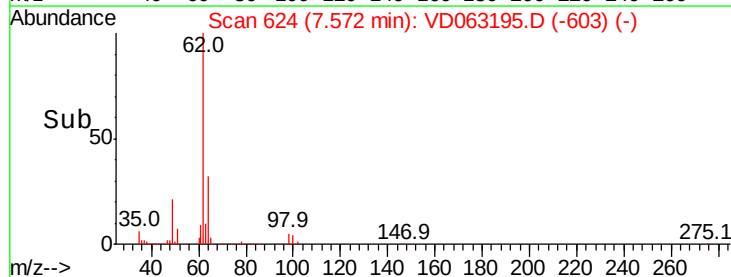
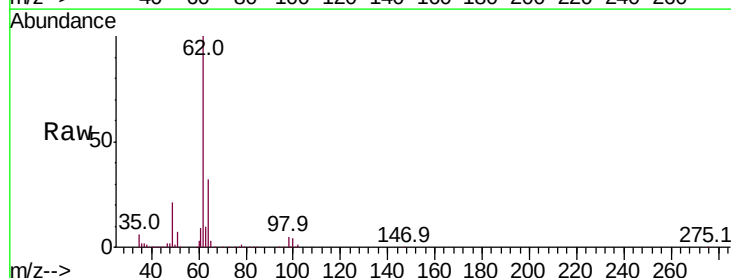
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

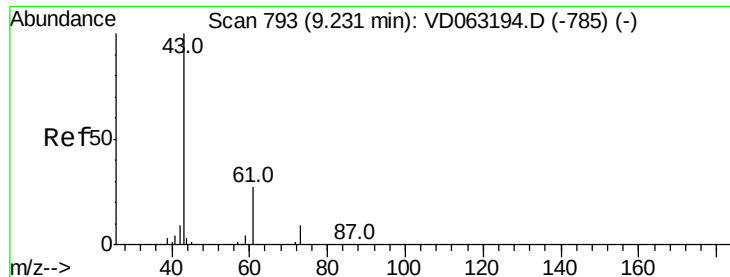
Tot Ion: 41 Resp: 547488
Ion Ratio Lower Upper
41 100
39 53.1 38.4 57.6
67 28.1 6.7 10.1#
52 16.0 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 81.644 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 62 Resp: 1118819
Ion Ratio Lower Upper
62 100
98 4.9 0.0 9.8





#43

Isopropyl Acetate

Concen: 82.359 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

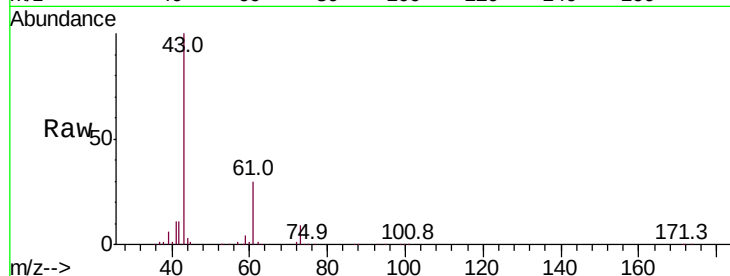
Tot Ion: 43 Resp: 583120

Ion Ratio Lower Upper

43 100

61 30.2 21.4 32.0

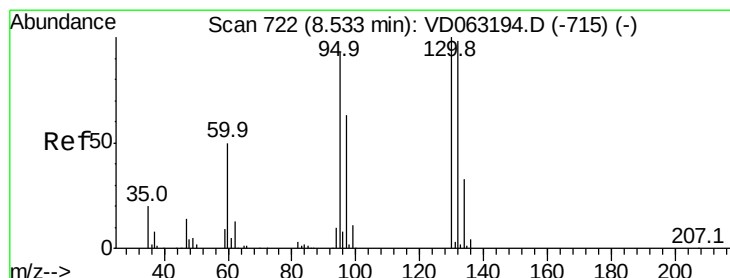
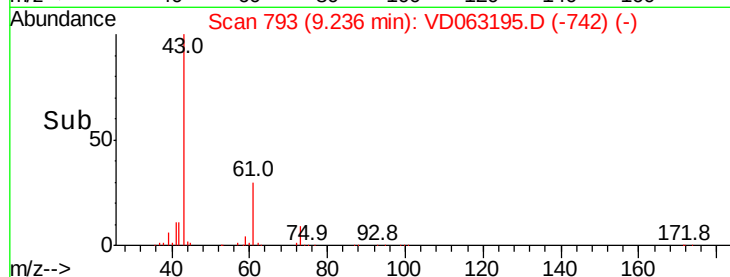
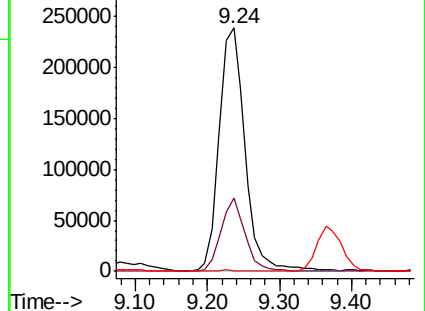
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 78.055 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063195.D

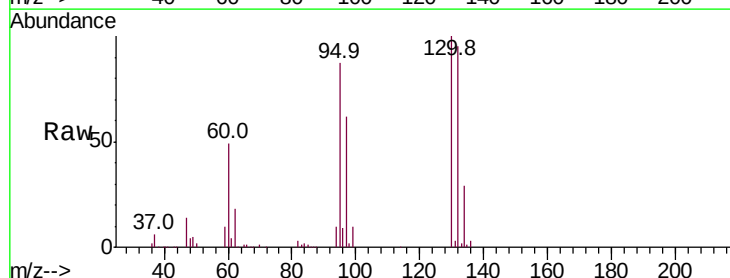
Acq: 29 Jul 2019 13:03

Tgt Ion:130 Resp: 817819

Ion Ratio Lower Upper

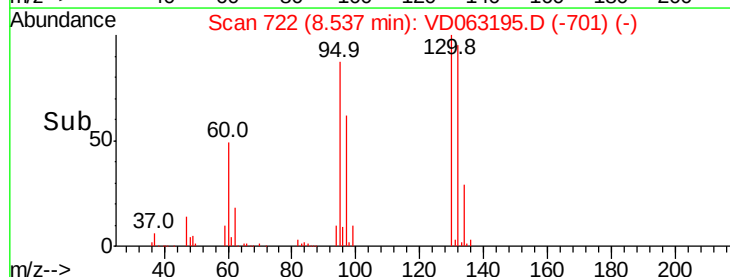
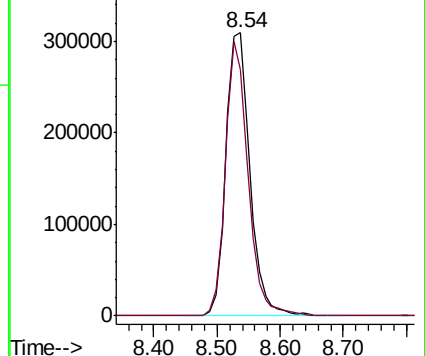
130 100

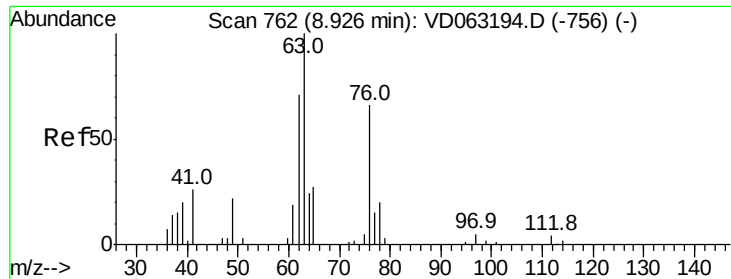
95 87.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

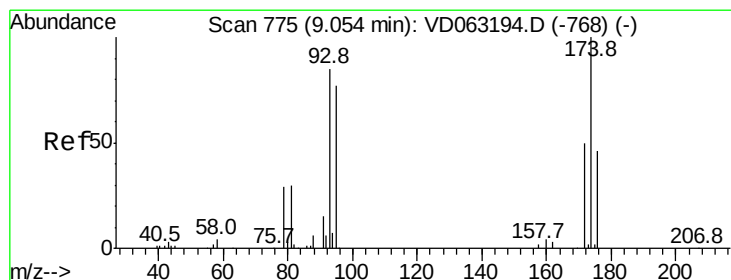
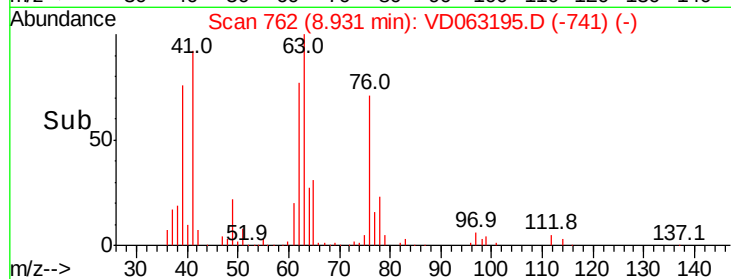
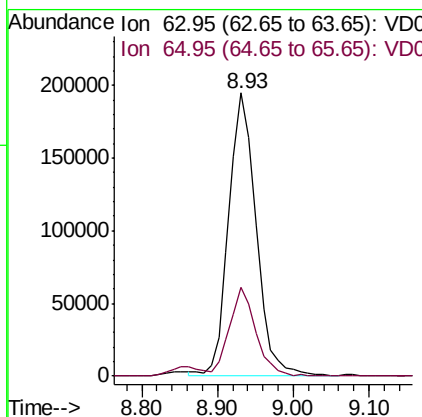
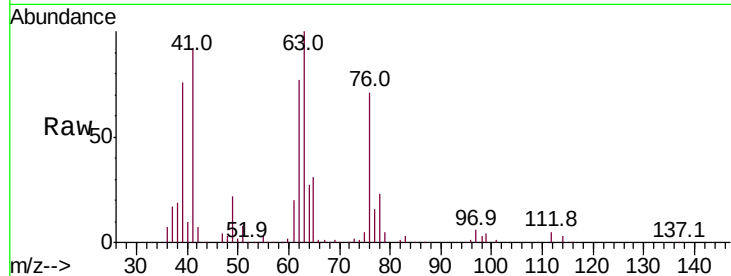




#45
 1,2-Dichloropropane
 Concen: 73.930 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

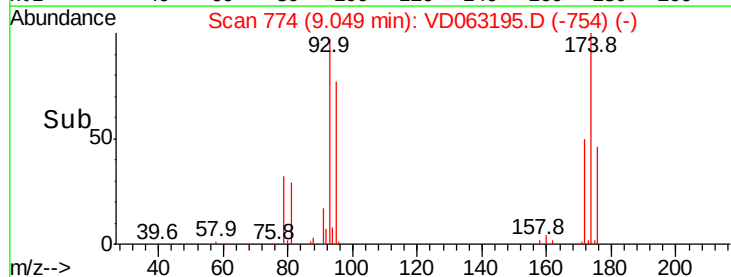
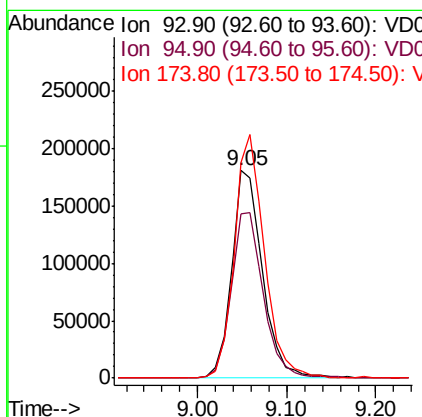
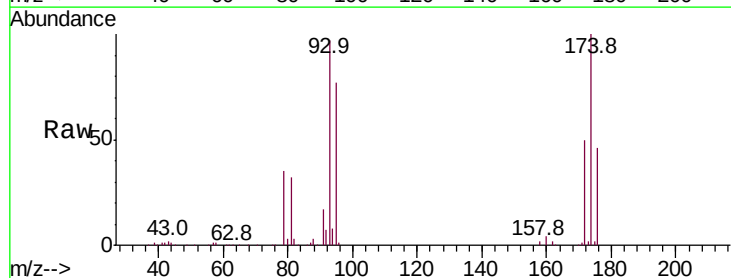
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

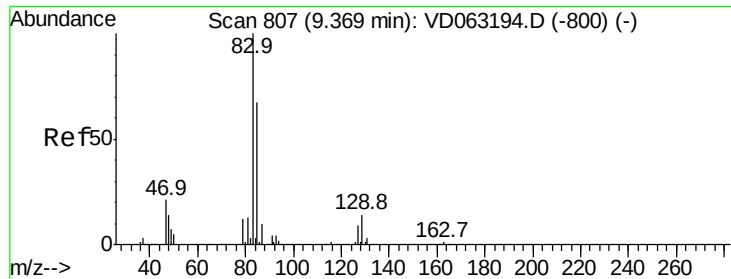
Tot Ion: 63 Resp: 485881
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.6 35.4



#46
 Dibromomethane
 Concen: 79.480 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Tgt Ion: 93 Resp: 434328
 Ion Ratio Lower Upper
 93 100
 95 79.4 72.8 109.2
 174 103.6 94.4 141.6





#47

Bromodichloromethane

Concen: 79.370 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

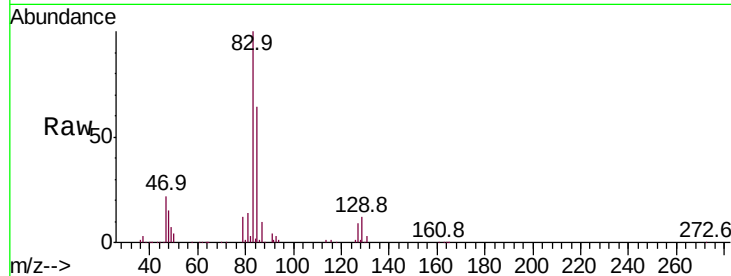
MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 1105623

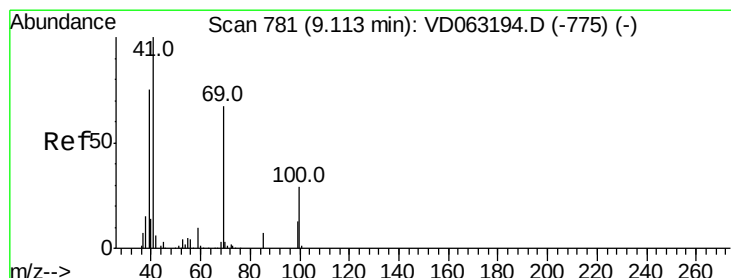
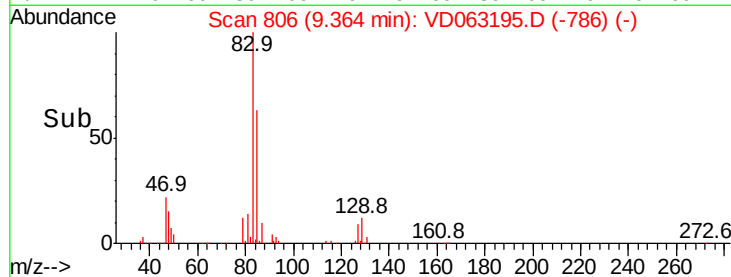
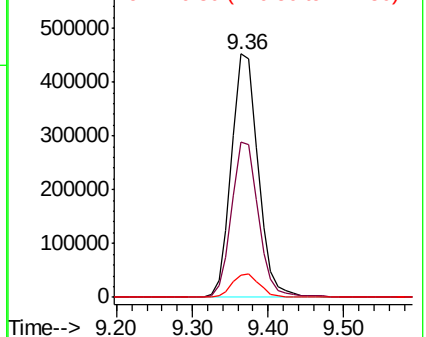
Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.6	80.4
127	9.2	7.2	10.8



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: 82.844 ug/l

RT: 9.11 min Scan# 780

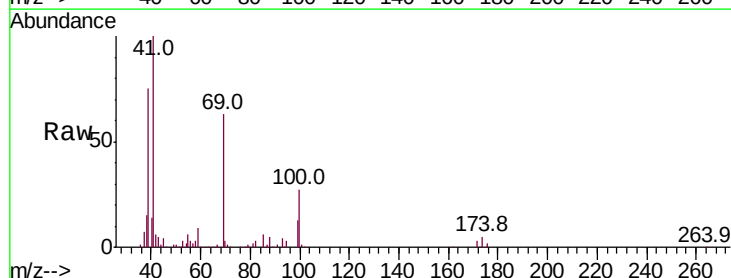
Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Tgt Ion: 41 Resp: 380413

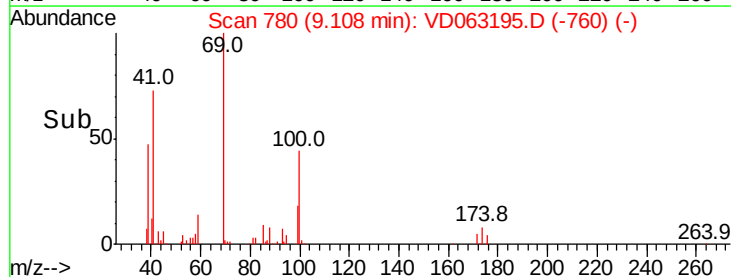
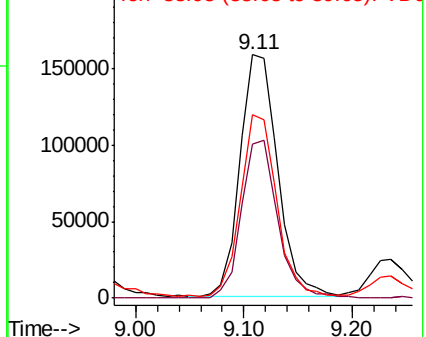
Ion	Ratio	Lower	Upper
41	100		
69	63.2	53.4	80.0
39	75.2	60.3	90.5

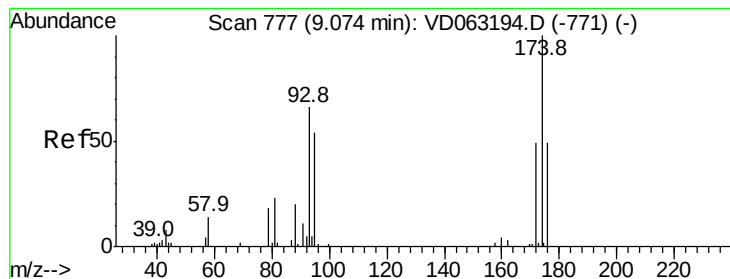


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1652.798 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

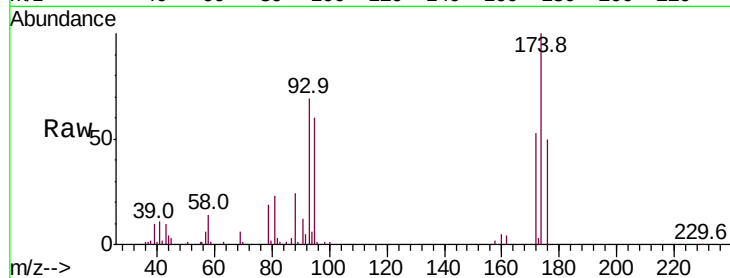
Tot Ion: 88 Resp: 62791

Ion Ratio Lower Upper

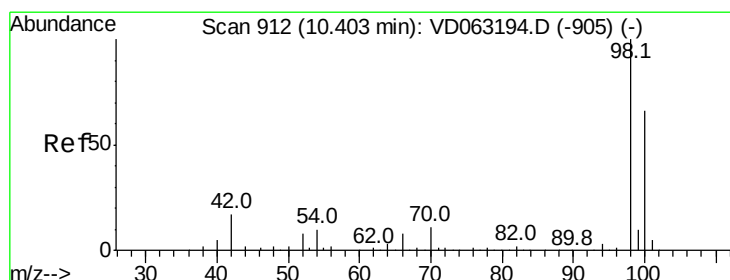
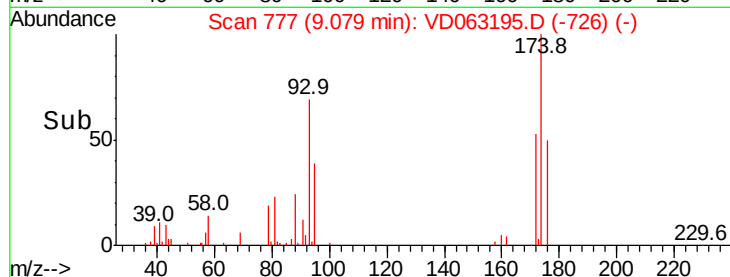
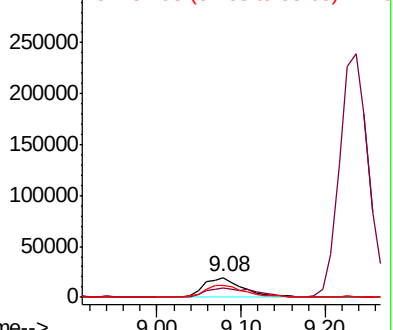
88 100

43 43.5 30.7 46.1

58 59.7 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: 84.207 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063195.D

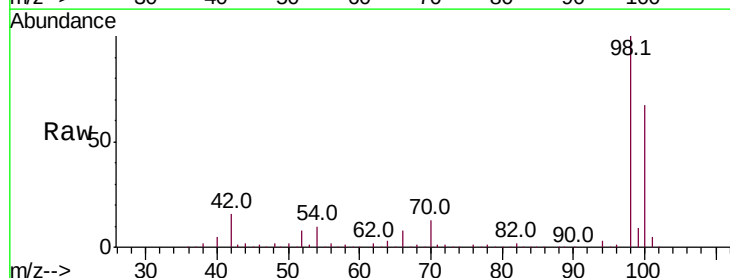
Acq: 29 Jul 2019 13:03

Tgt Ion: 98 Resp: 2175140

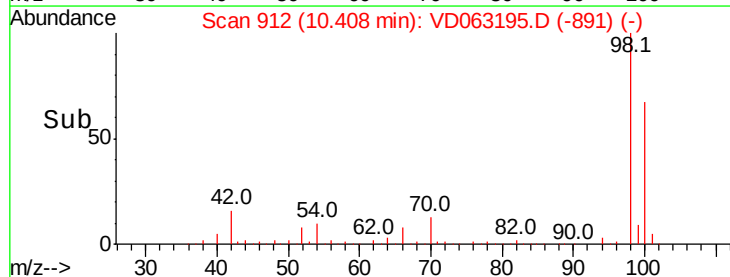
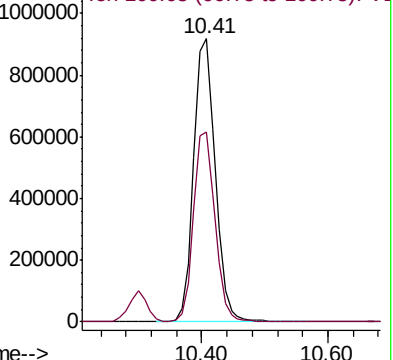
Ion Ratio Lower Upper

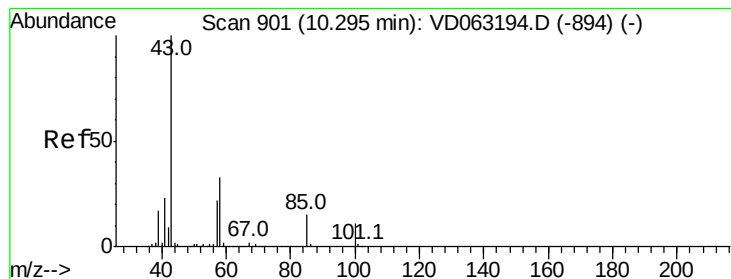
98 100

100 67.0 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: 405.807 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

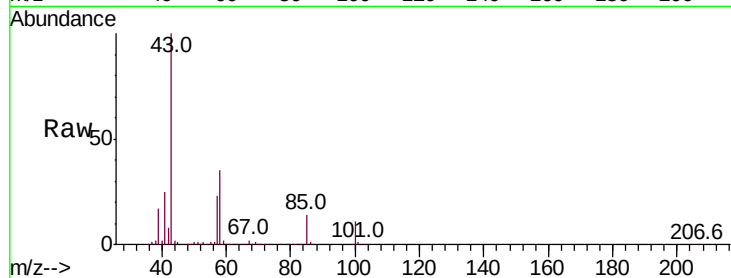
VSTDIC075

Tot Ion: 43 Resp: 1954009

Ion Ratio Lower Upper

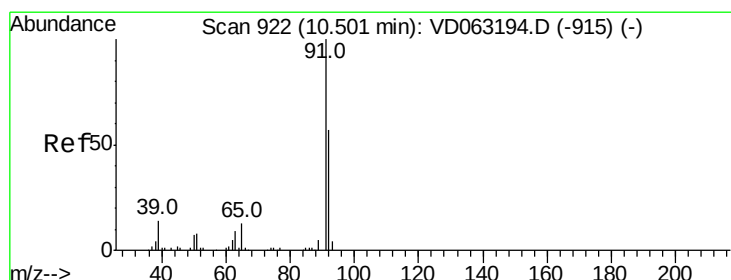
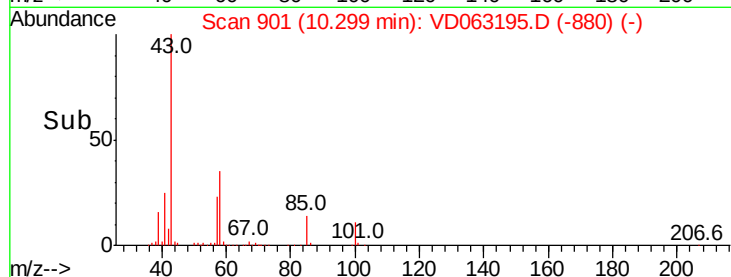
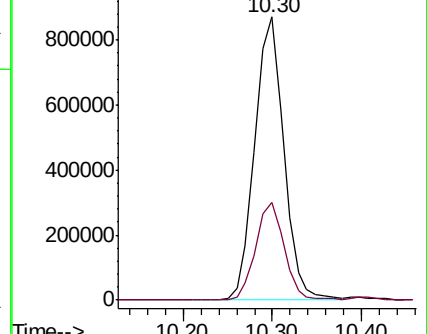
43 100

58 34.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 75.109 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063195.D

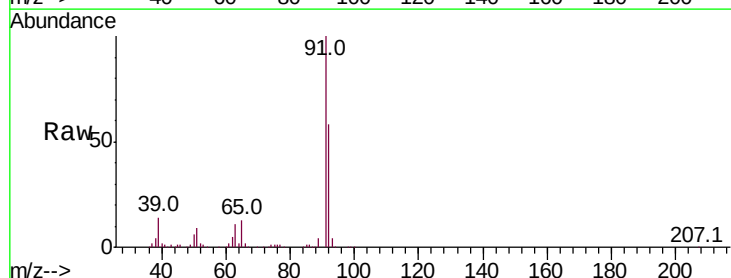
Acq: 29 Jul 2019 13:03

Tgt Ion: 92 Resp: 1291683

Ion Ratio Lower Upper

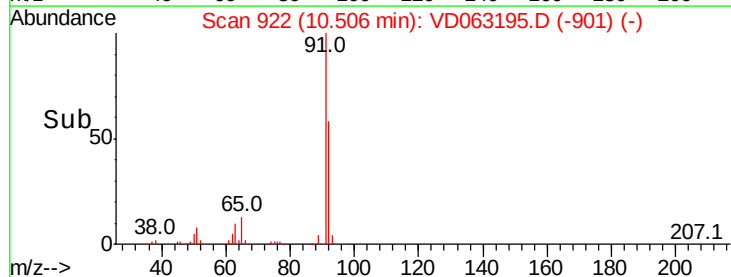
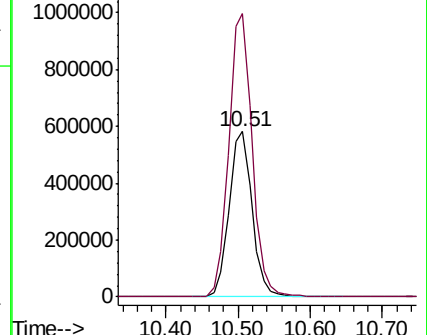
92 100

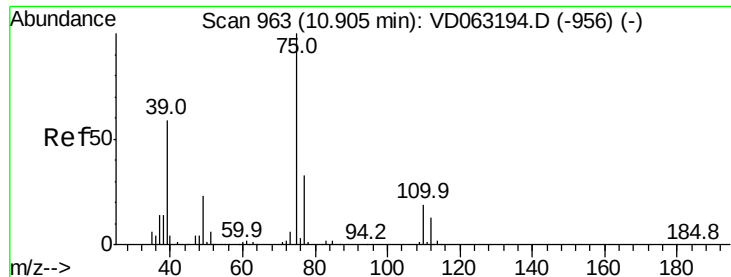
91 171.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 79.711 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

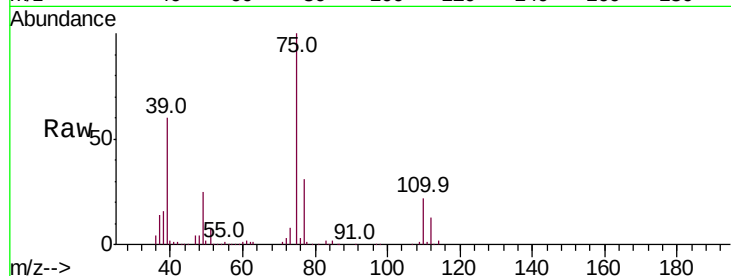
VSTDIC075

Tot Ion: 75 Resp: 957291

Ion Ratio Lower Upper

75 100

77 30.7 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

500000

400000

300000

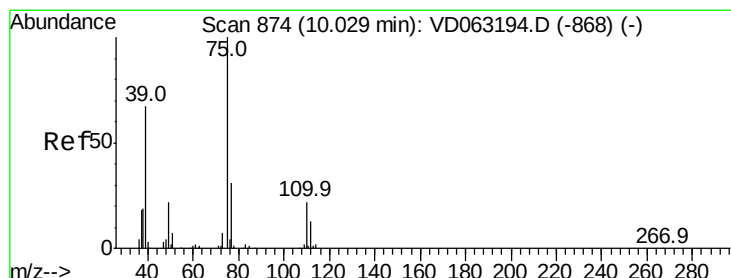
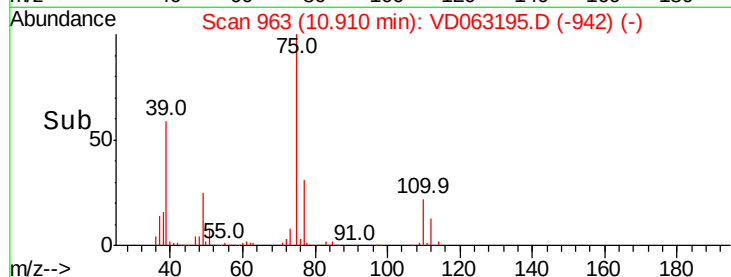
200000

100000

0

Time-->

10.80 11.00



#54

cis-1,3-Dichloropropene

Concen: 75.929 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

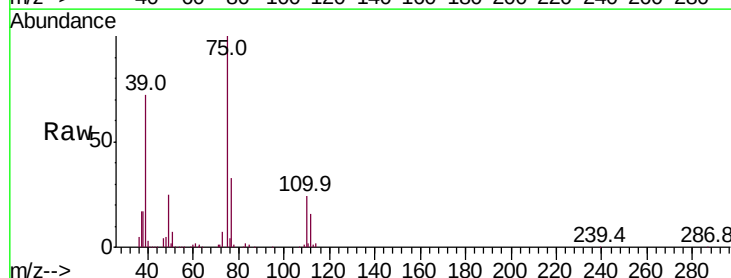
Tgt Ion: 75 Resp: 958351

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3

39 72.4 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

10.03

500000

400000

300000

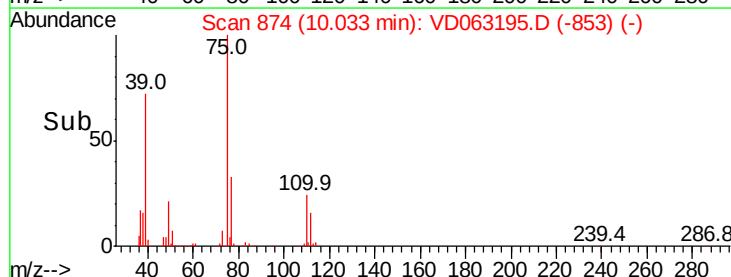
200000

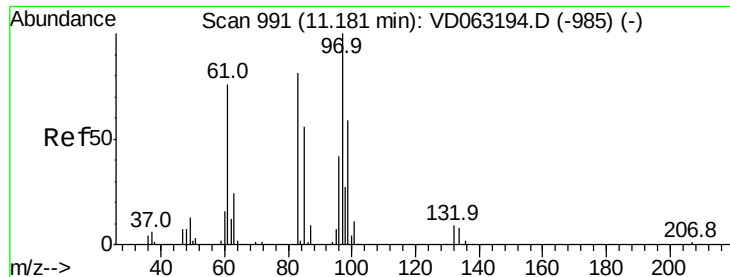
100000

0

Time-->

9.90 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 77.811 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 451938

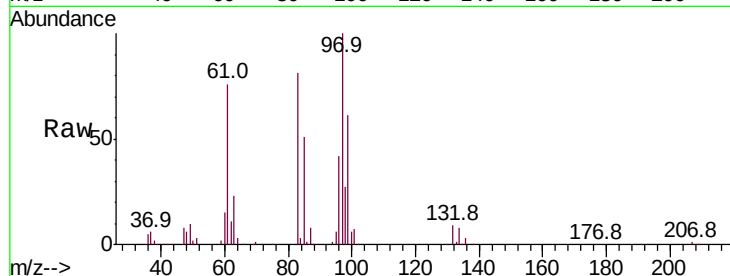
Ion Ratio Lower Upper

97 100

83 80.8 64.8 97.2

85 51.5 44.9 67.3

99 61.0 47.2 70.8

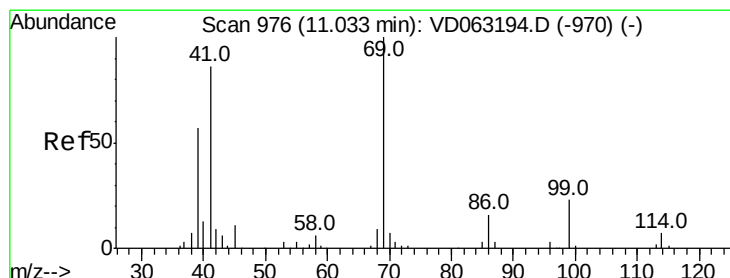
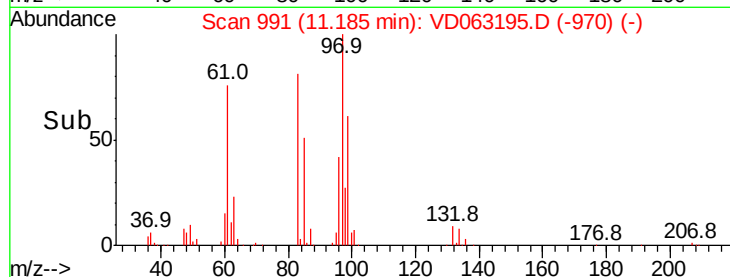
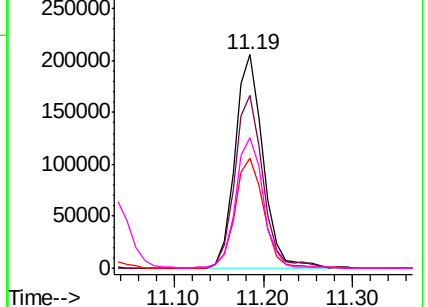


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 86.508 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

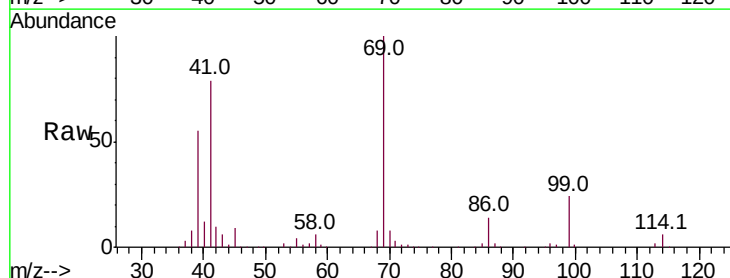
Tgt Ion: 69 Resp: 550199

Ion Ratio Lower Upper

69 100

41 79.0 68.8 103.2

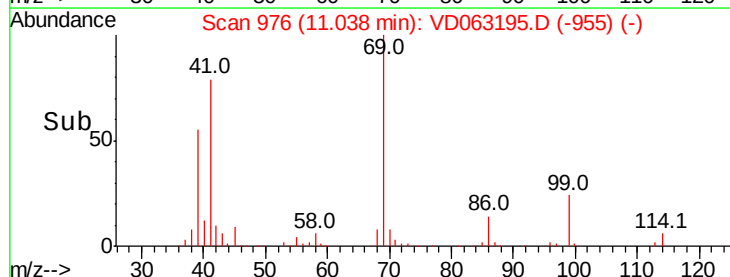
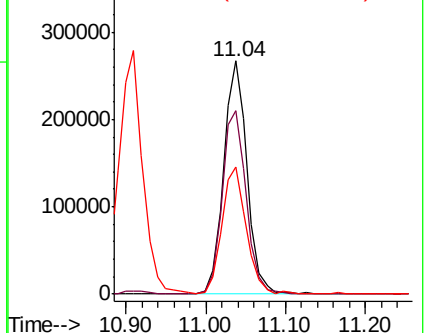
39 54.8 45.8 68.8

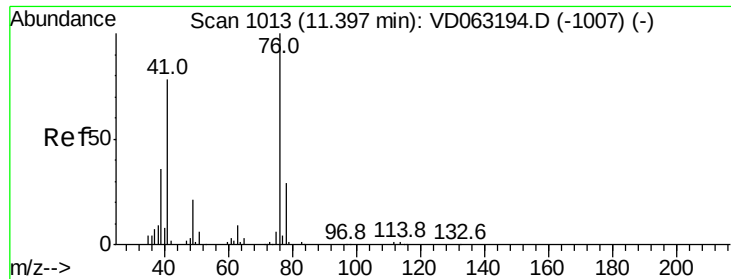


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 81.755 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

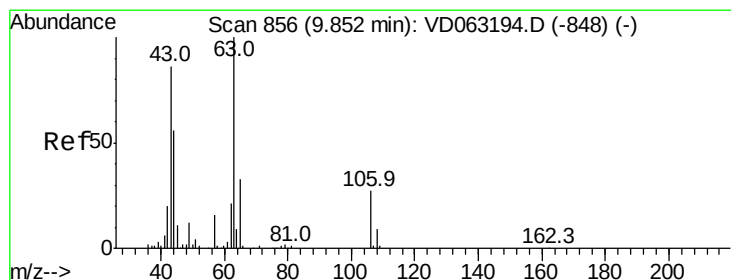
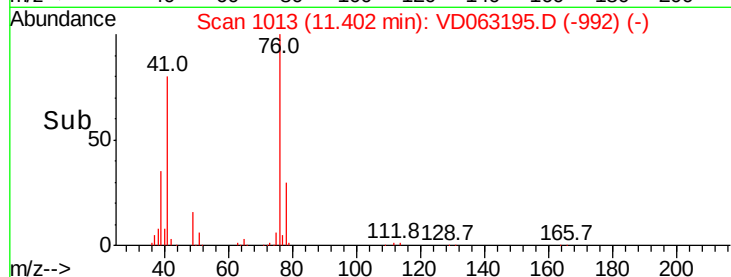
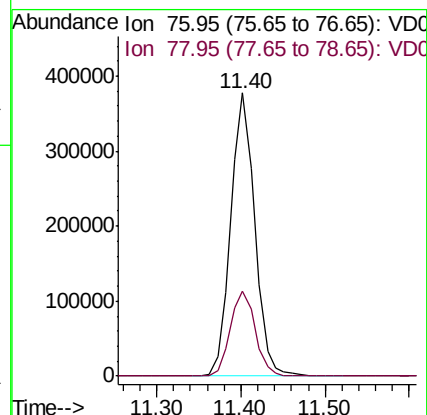
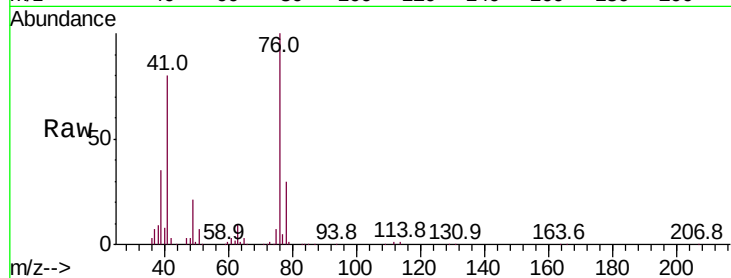
VSTDIC075

Tot Ion: 76 Resp: 748155

Ion Ratio Lower Upper

76 100

78 30.0 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 344.300 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063195.D

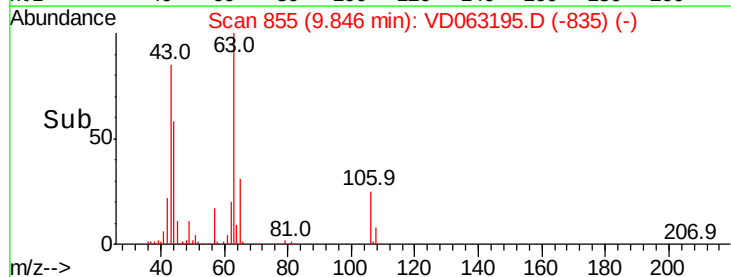
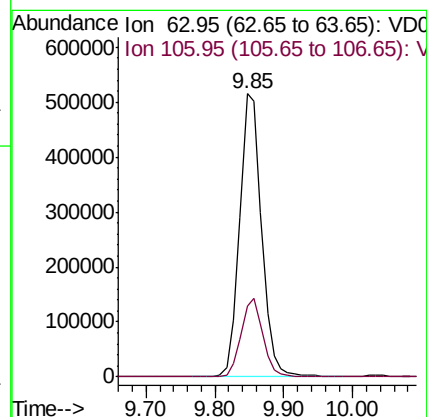
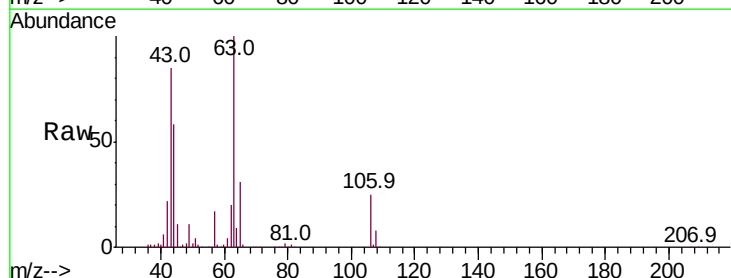
Acq: 29 Jul 2019 13:03

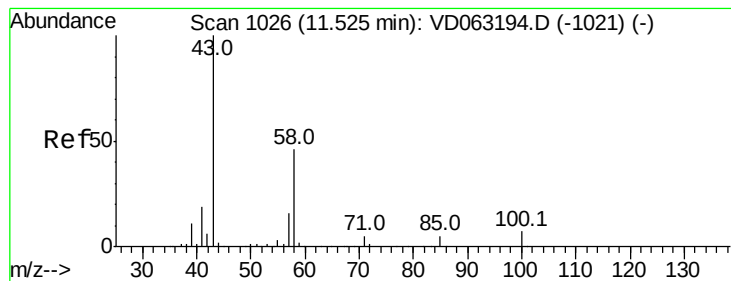
Tgt Ion: 63 Resp: 1139430

Ion Ratio Lower Upper

63 100

106 25.0 22.0 33.0





#59

2-Hexanone

Concen: 434.238 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

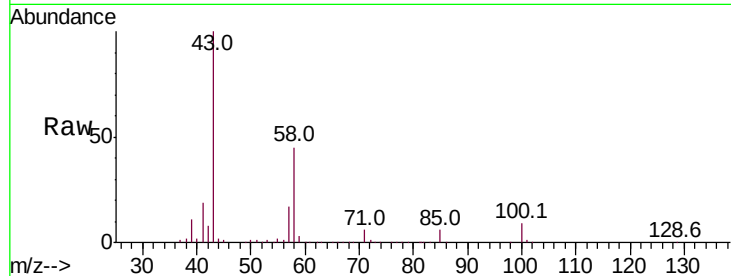
VSTDIC075

Tot Ion: 43 Resp: 1506797

Ion Ratio Lower Upper

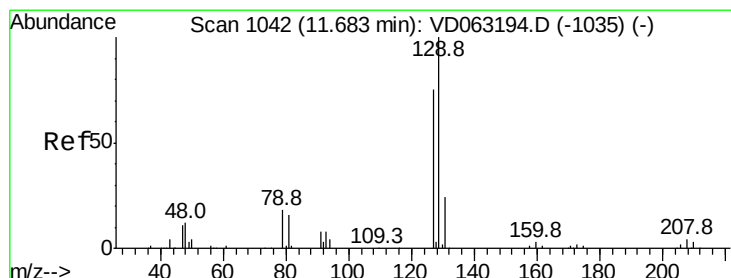
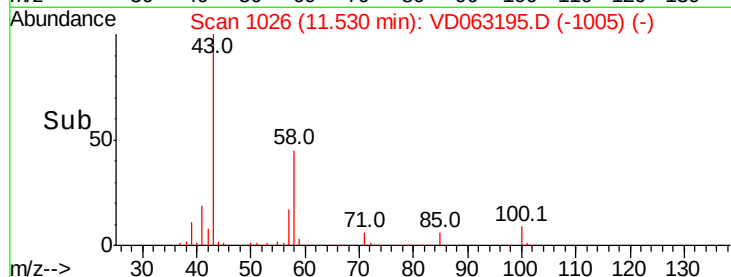
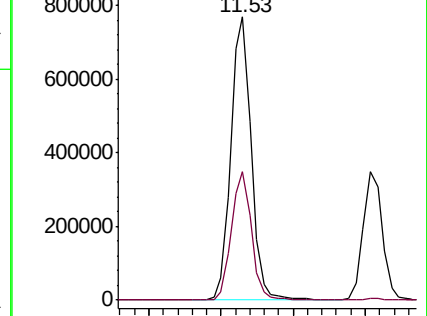
43 100

58 45.2 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: 79.881 ug/l

RT: 11.68 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VD063195.D

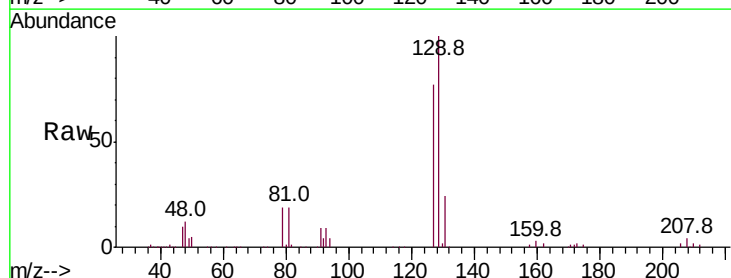
Acq: 29 Jul 2019 13:03

Tgt Ion: 129 Resp: 875881

Ion Ratio Lower Upper

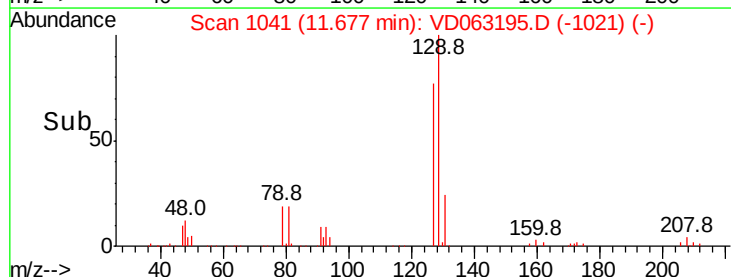
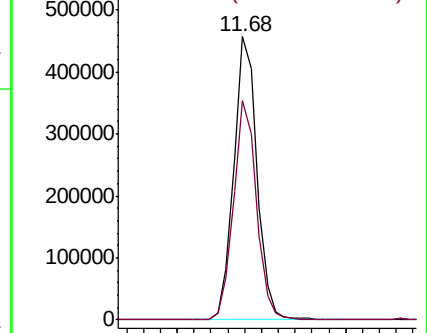
129 100

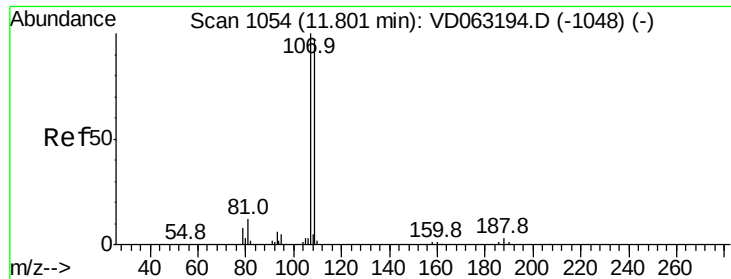
127 77.4 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

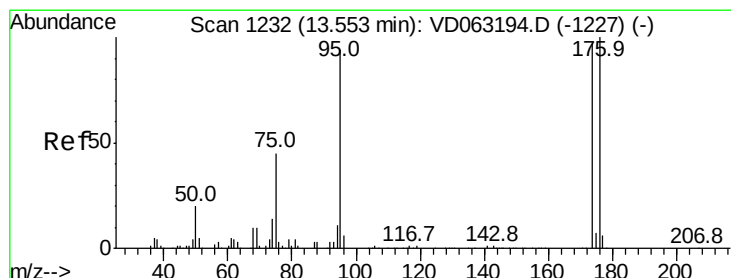
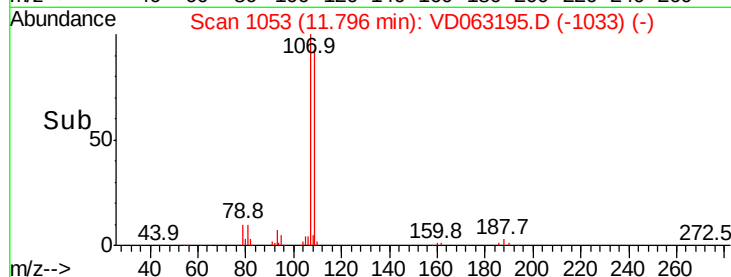
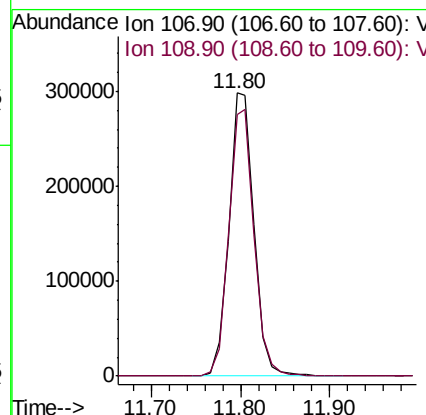
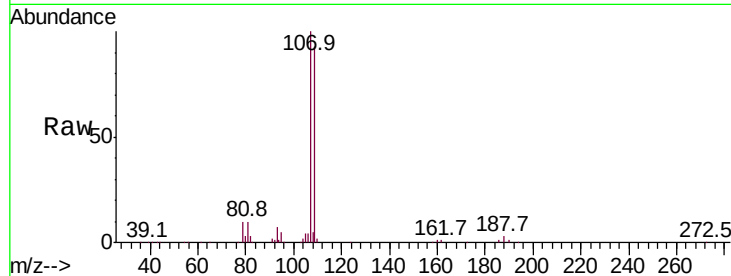




#61
 1,2-Dibromoethane
 Concen: 82.223 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

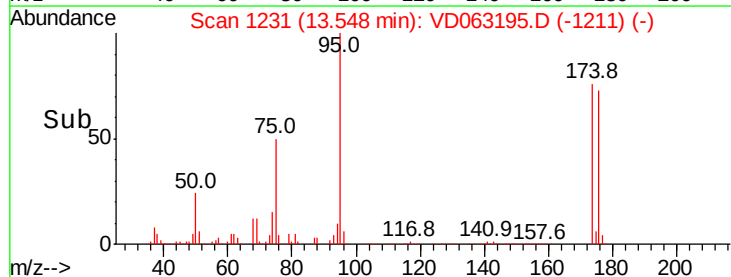
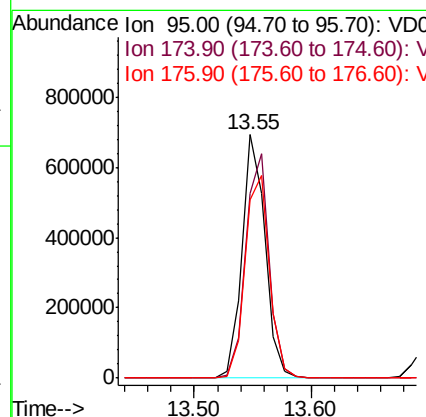
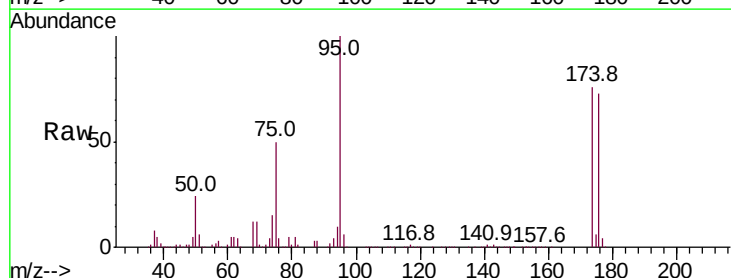
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

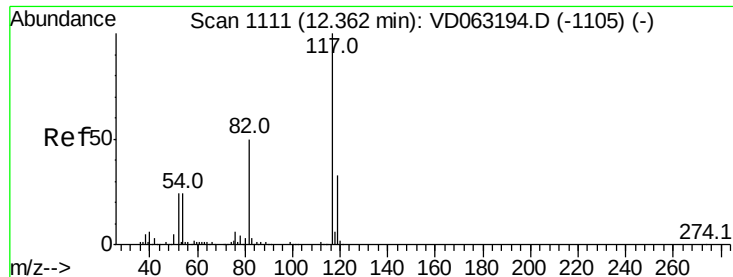
Tot Ion:107 Resp: 589283
 Ion Ratio Lower Upper
 107 100
 109 92.5 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 80.412 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Tgt Ion: 95 Resp: 946527
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 205.4
 176 73.4 0.0 211.8

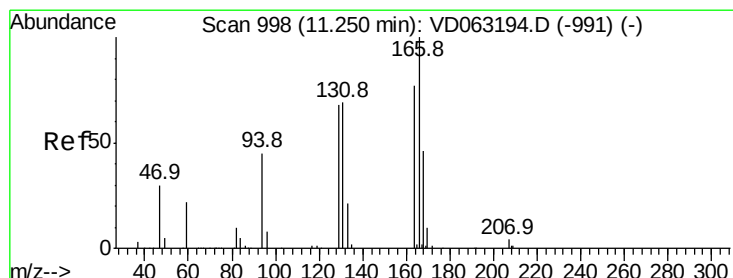
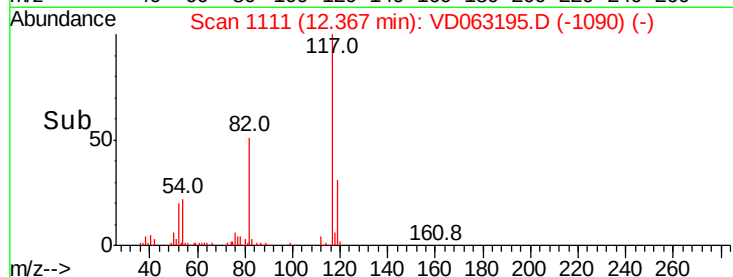
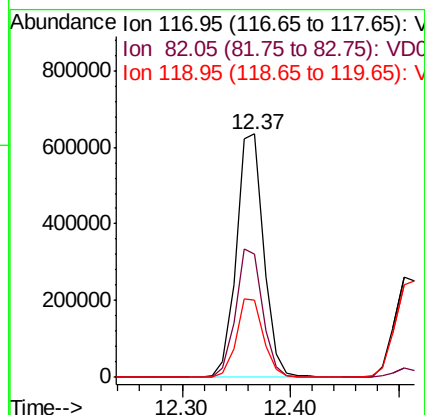
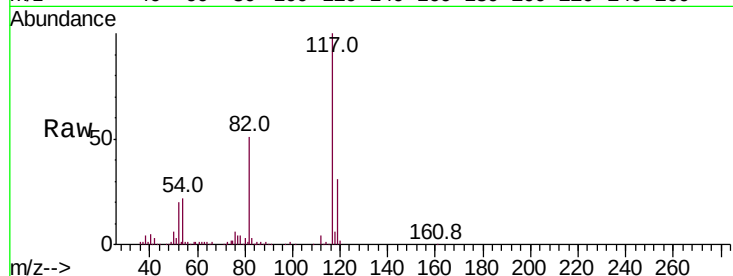




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

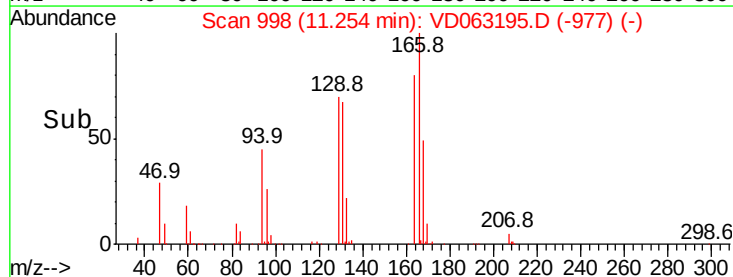
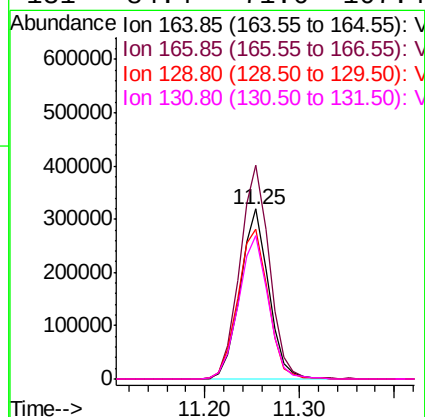
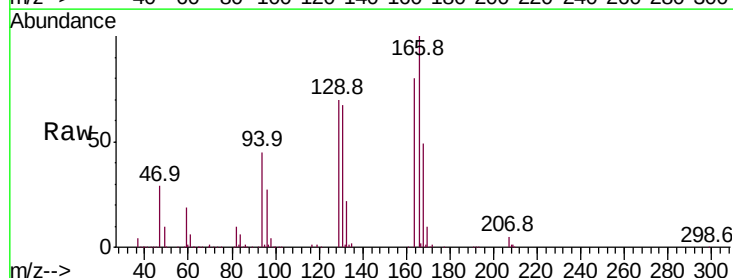
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

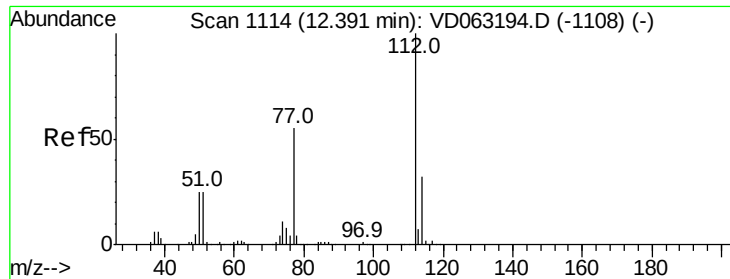
Tot Ion:117 Resp: 1115153
Ion Ratio Lower Upper
117 100
82 50.6 40.1 60.1
119 31.5 26.5 39.7



#64
Tetrachloroethene
Concen: 74.635 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion:164 Resp: 663056
Ion Ratio Lower Upper
164 100
166 125.5 104.3 156.5
129 87.9 70.9 106.3
131 84.4 71.6 107.4

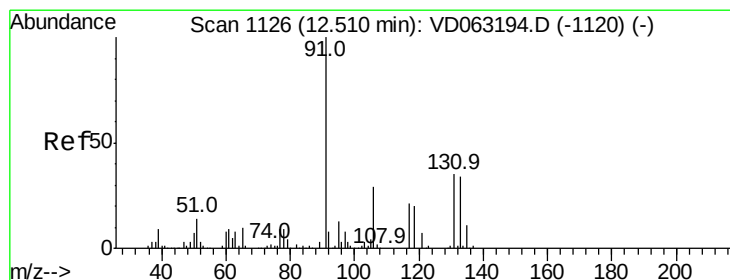
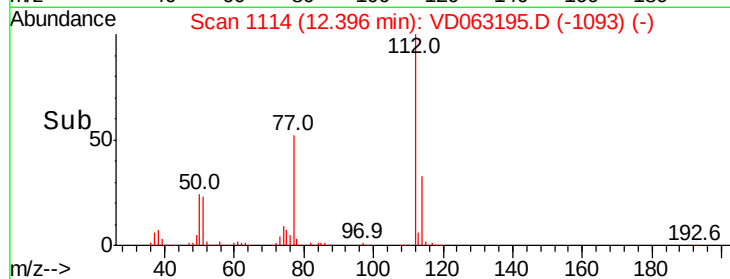
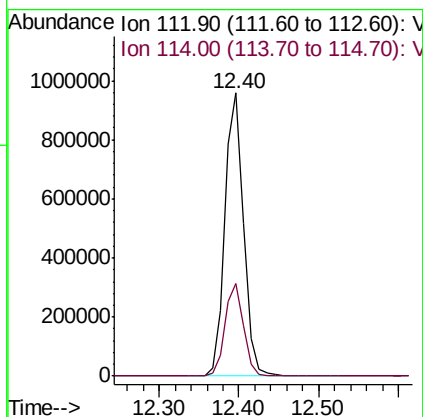
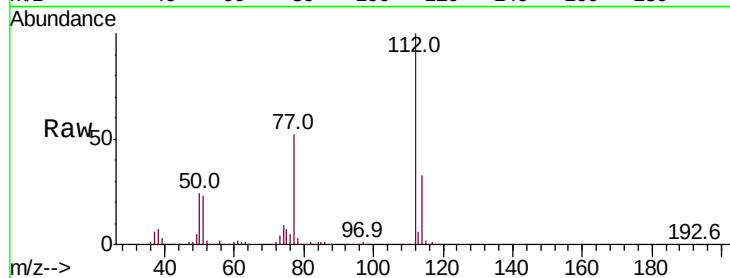




#65
Chlorobenzene
Concen: 74.065 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

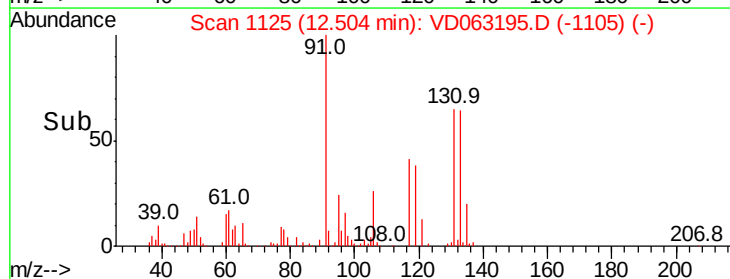
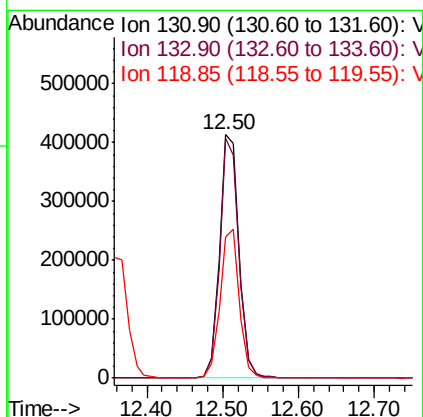
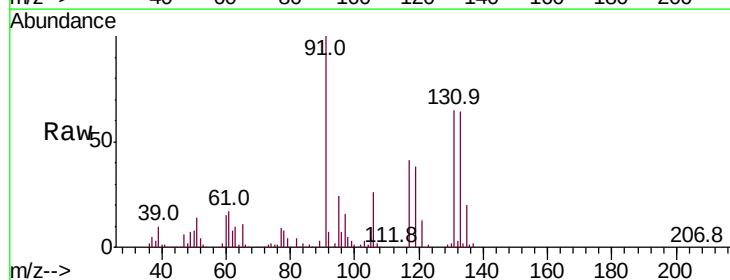
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

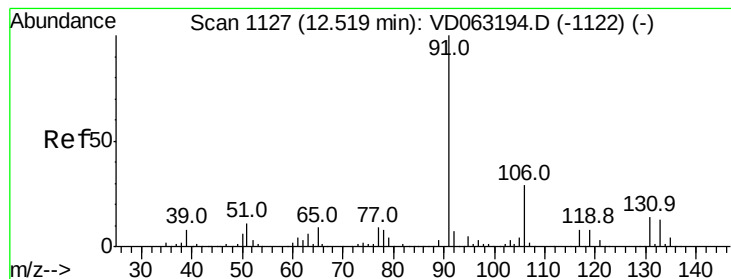
Tot Ion:112 Resp: 1588645
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 78.408 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion:131 Resp: 740814
Ion Ratio Lower Upper
131 100
133 98.4 48.4 145.2
119 58.2 29.1 87.3





#67

Ethyl Benzene

Concen: 76.181 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

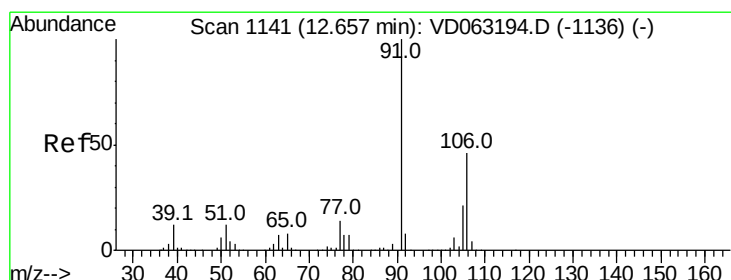
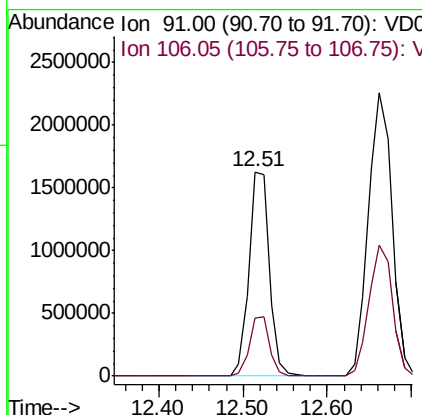
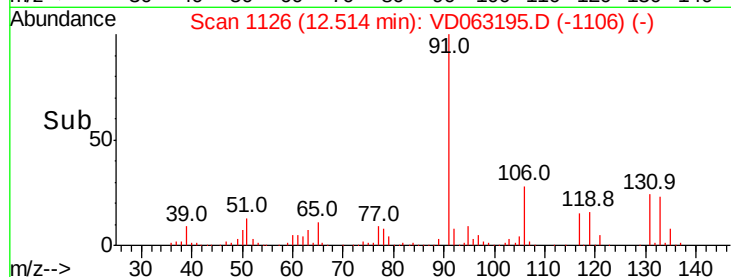
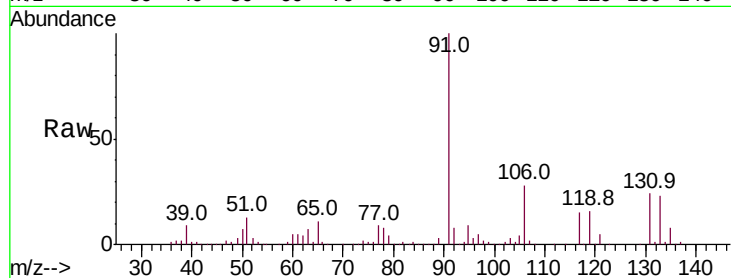
VSTDIC075

Tot Ion: 91 Resp: 2775845

Ion Ratio Lower Upper

91 100

106 28.2 22.9 34.3



#68

m/p-Xylenes

Concen: 152.292 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD063195.D

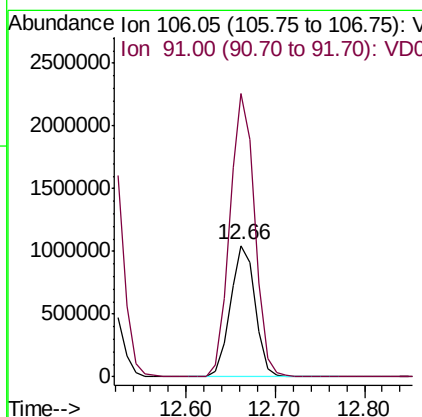
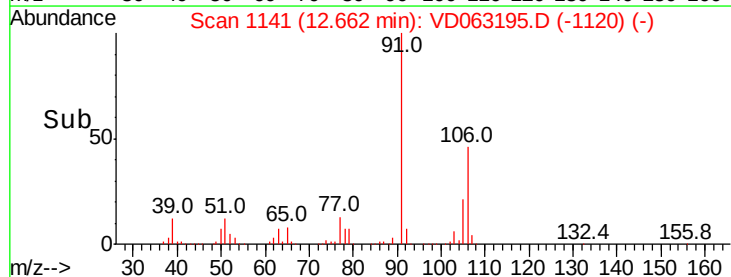
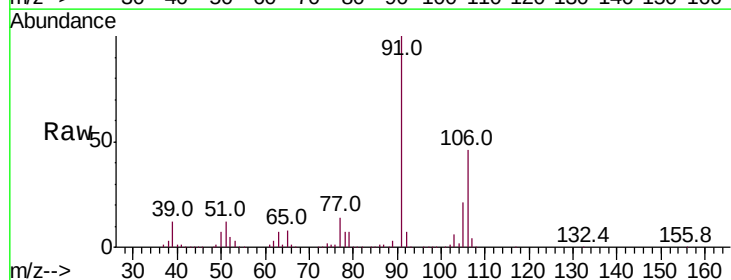
Acq: 29 Jul 2019 13:03

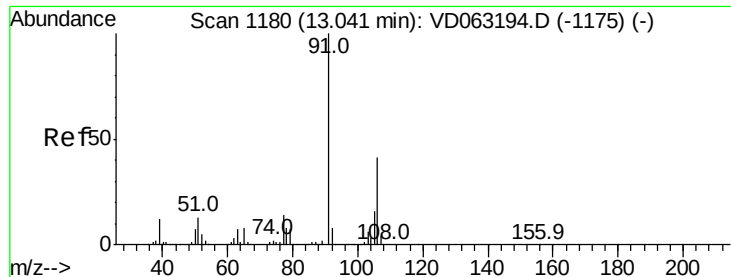
Tgt Ion:106 Resp: 2035058

Ion Ratio Lower Upper

106 100

91 215.6 172.6 259.0

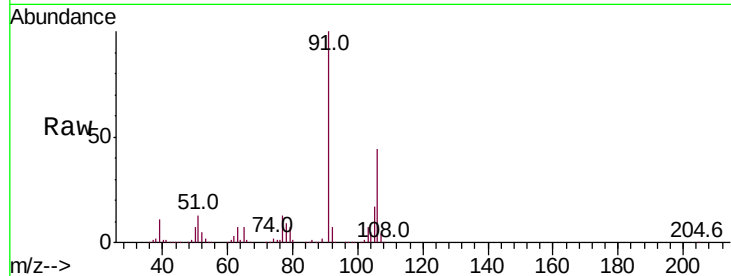




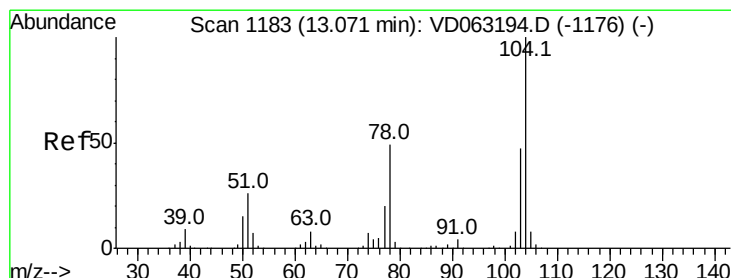
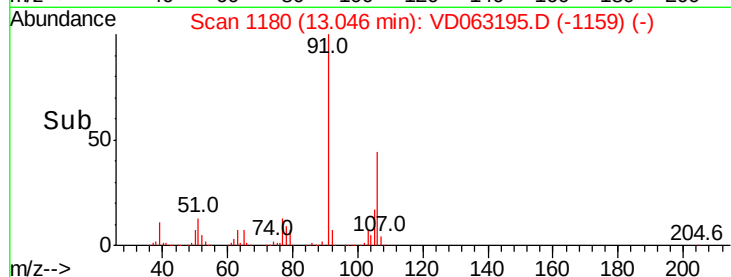
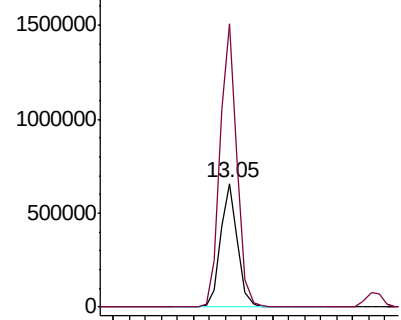
#69
o-Xylene
Concen: 79.494 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 975488
Ion Ratio Lower Upper
106 100
91 228.4 121.3 363.9

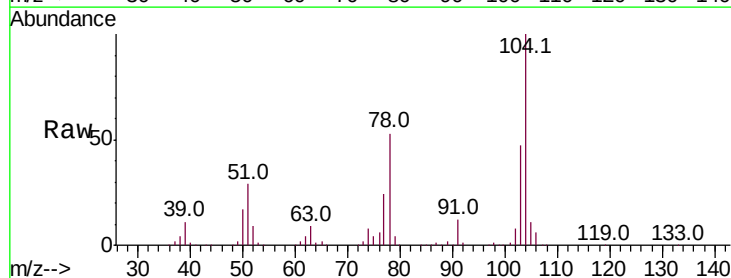


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

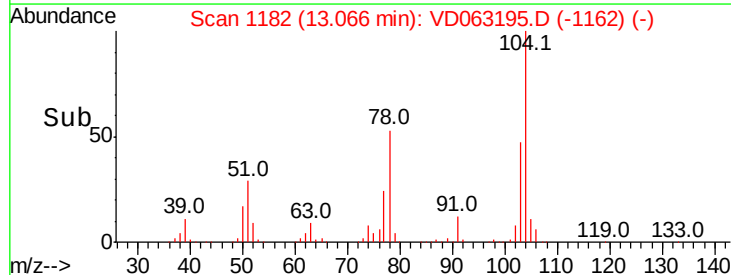
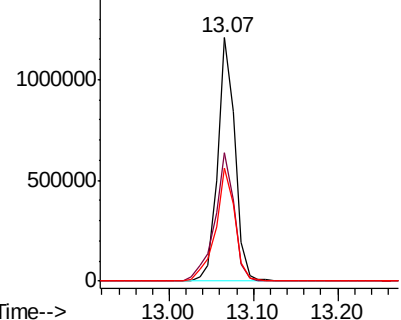


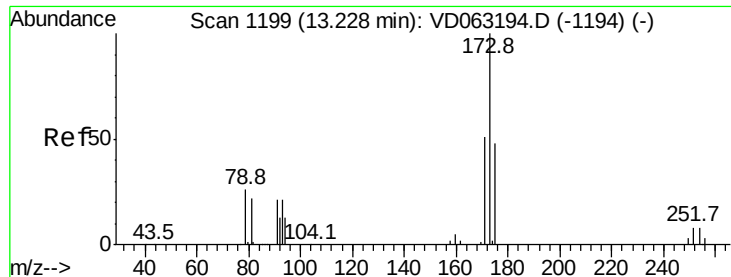
#70
Styrene
Concen: 78.623 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion:104 Resp: 1711004
Ion Ratio Lower Upper
104 100
78 52.5 39.4 59.0
103 46.6 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 82.359 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

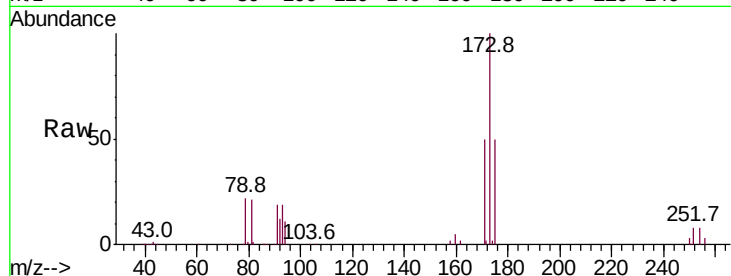
Tot Ion:173 Resp: 565885

Ion Ratio Lower Upper

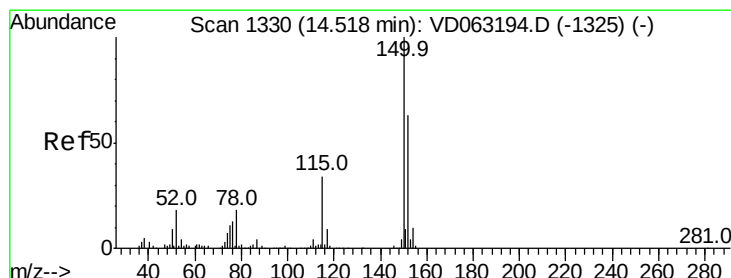
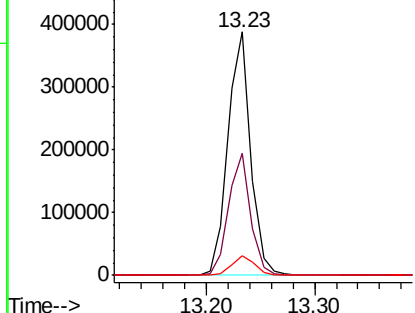
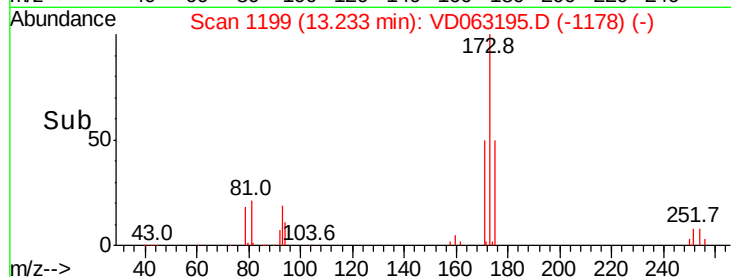
173 100

175 50.0 23.8 71.5

254 8.0 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

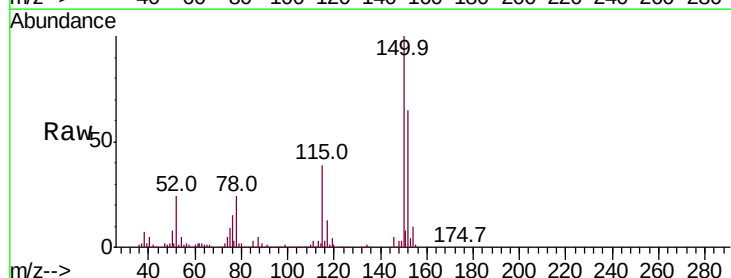
Tgt Ion:152 Resp: 604098

Ion Ratio Lower Upper

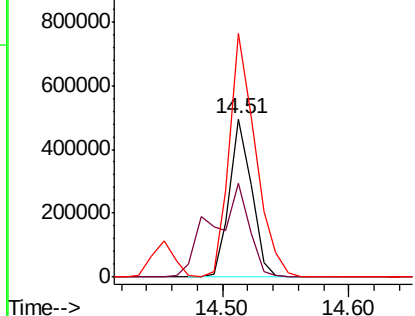
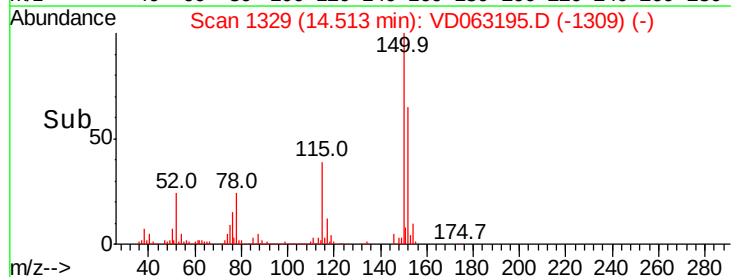
152 100

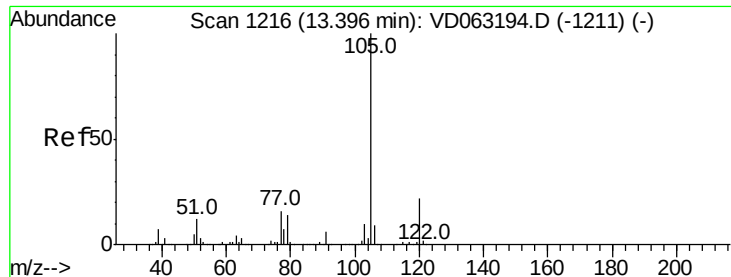
115 59.3 27.5 82.4

150 153.7 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: 76.385 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

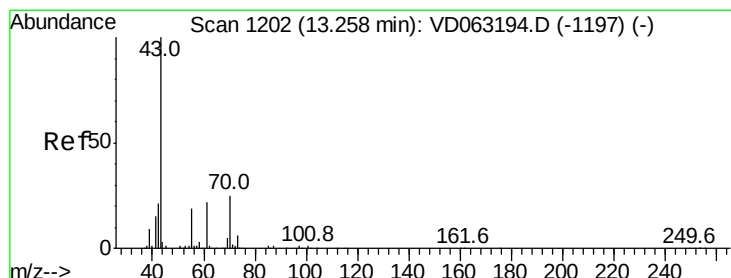
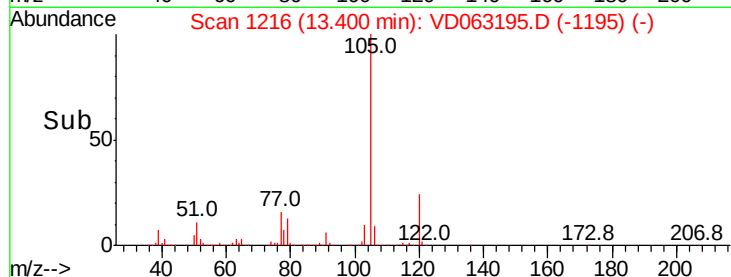
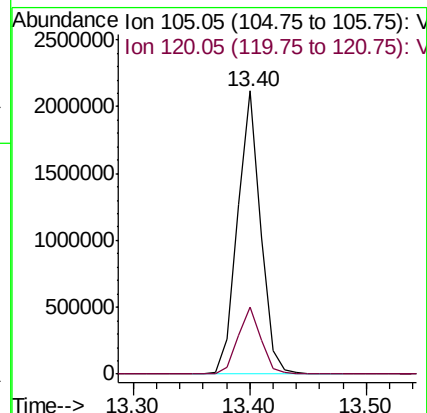
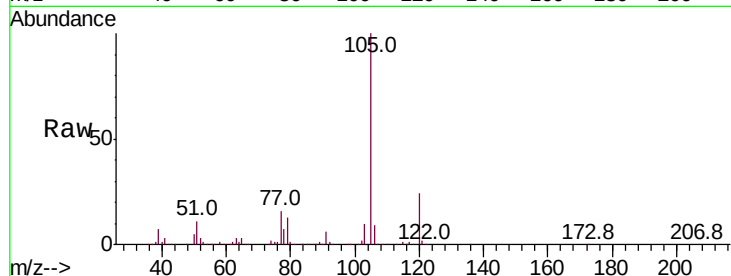
VSTDIC075

Tot Ion:105 Resp: 2896115

Ion Ratio Lower Upper

105 100

120 23.6 11.1 33.3



#74

N-ethyl acetate

Concen: 82.546 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Tgt Ion: 43 Resp: 827372

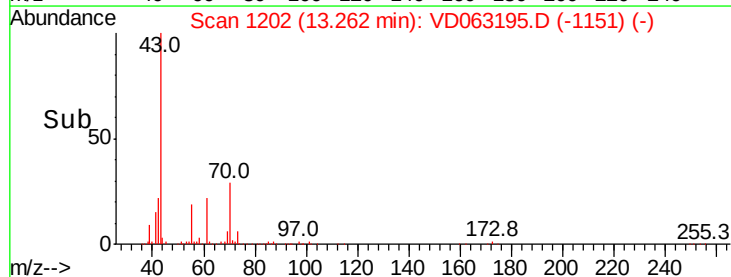
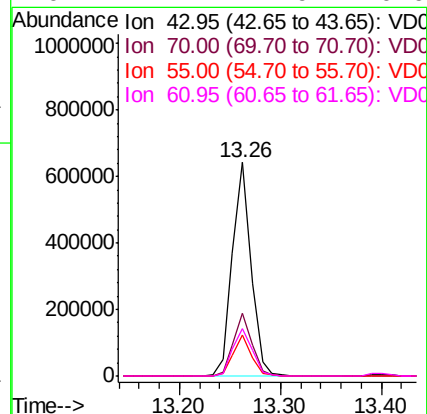
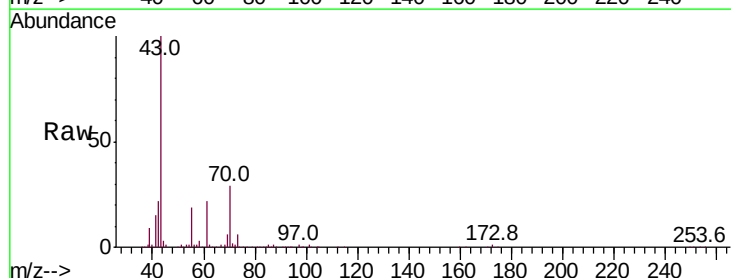
Ion Ratio Lower Upper

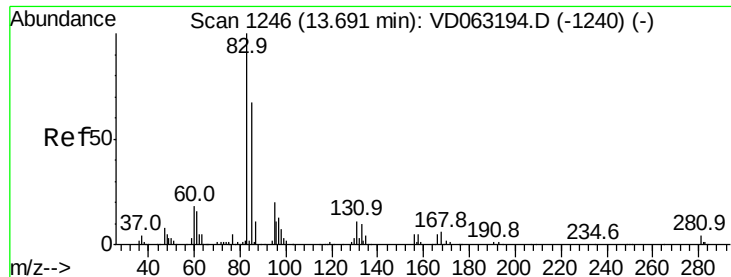
43 100

70 29.3 20.2 30.4

55 19.0 14.9 22.3

61 22.2 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 83.825 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

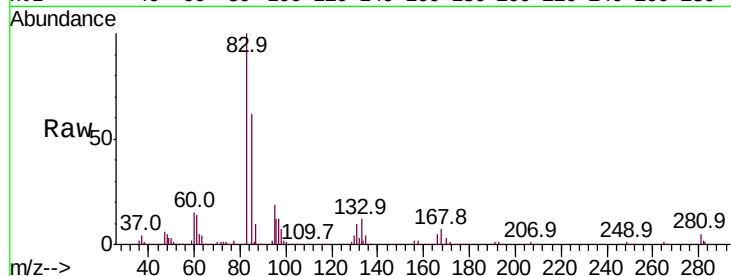
Tot Ion: 83 Resp: 539868

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.7

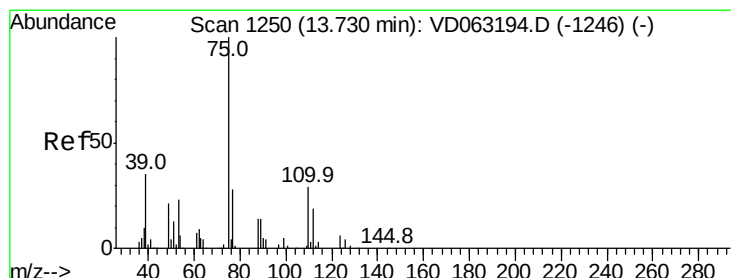
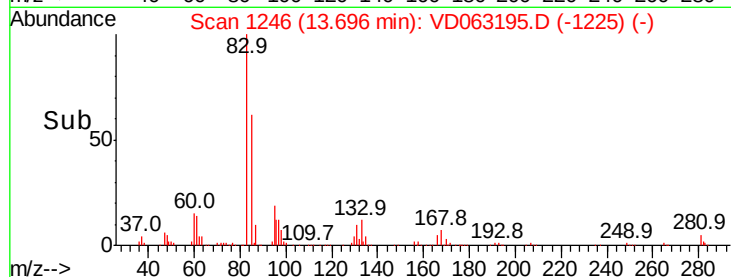
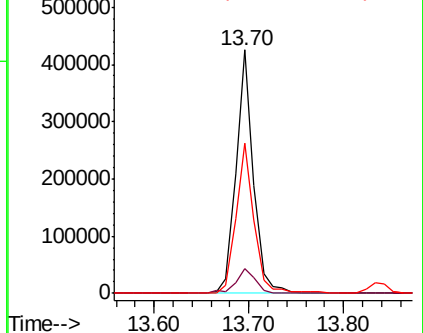
85 61.9 33.7 101.1



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: 83.071 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063195.D

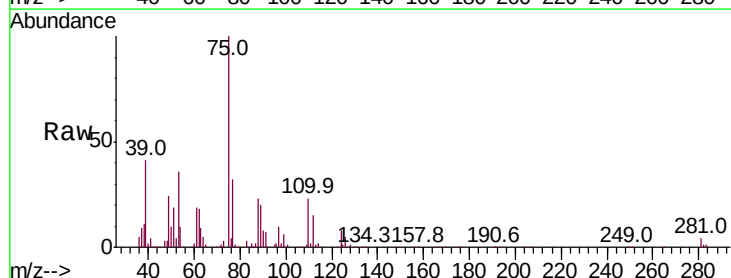
Acq: 29 Jul 2019 13:03

Tgt Ion: 75 Resp: 602765

Ion Ratio Lower Upper

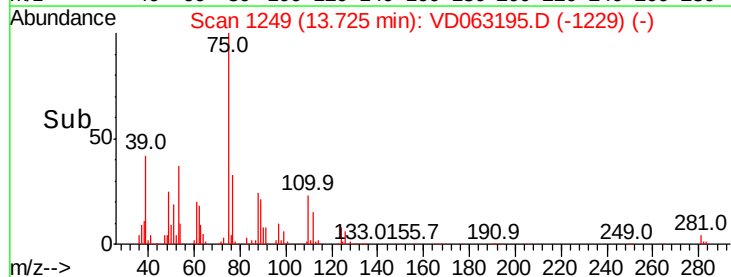
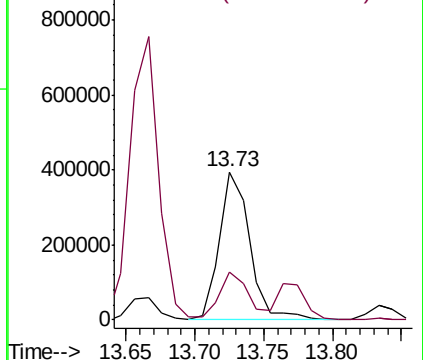
75 100

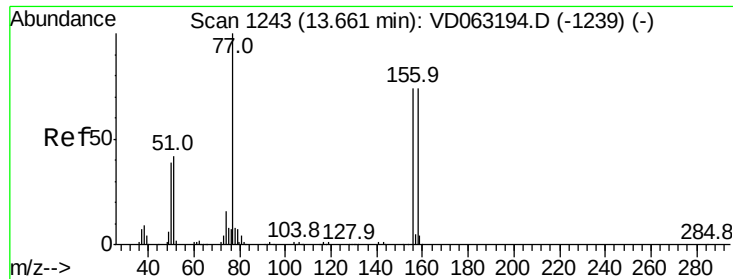
77 32.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 80.574 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

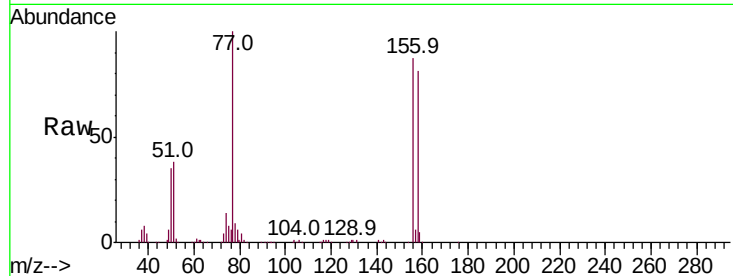
Tot Ion:156 Resp: 870265

Ion Ratio Lower Upper

156 100

77 115.1 67.6 202.8

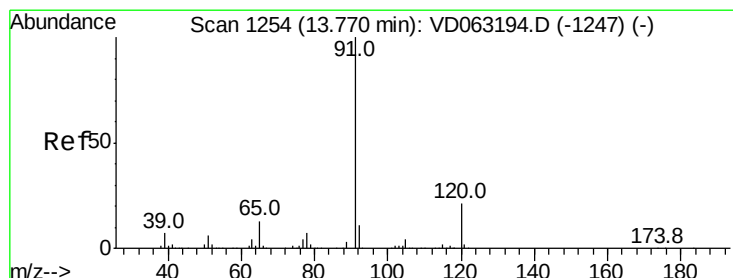
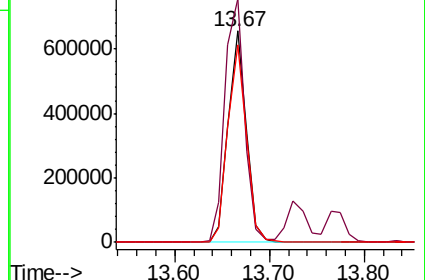
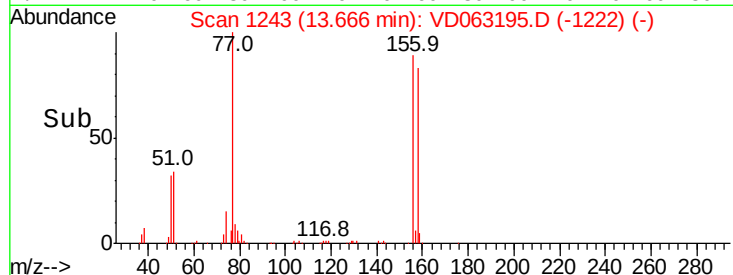
158 93.5 49.8 149.4



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: 75.572 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063195.D

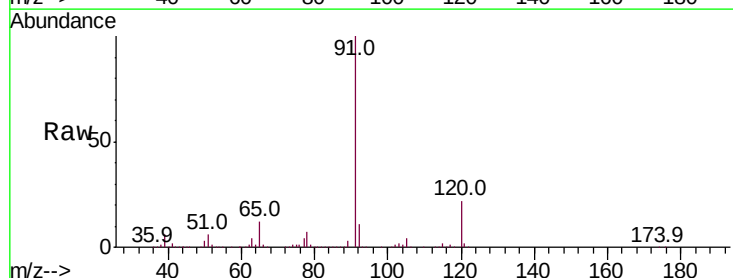
Acq: 29 Jul 2019 13:03

Tgt Ion: 91 Resp: 3409813

Ion Ratio Lower Upper

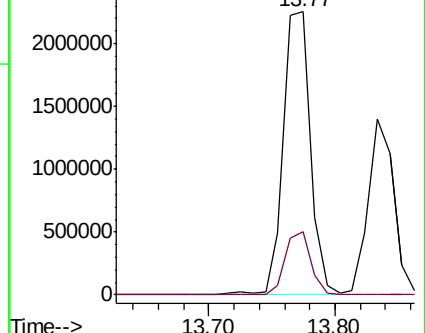
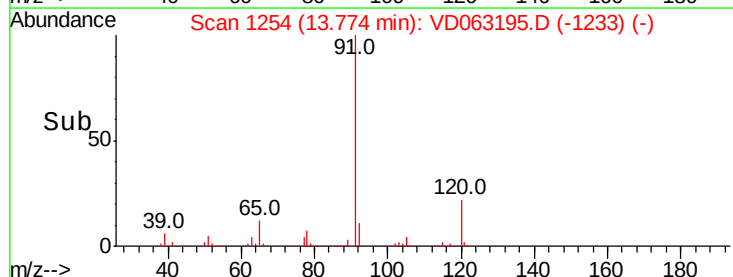
91 100

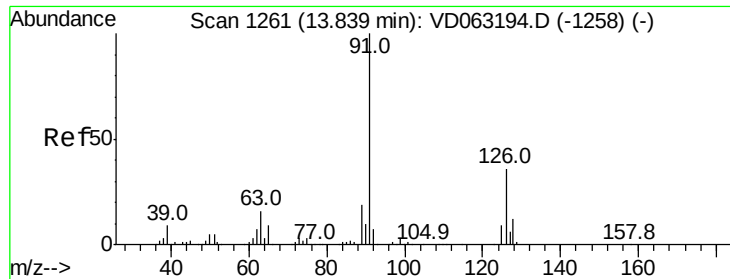
120 22.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 74.988 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

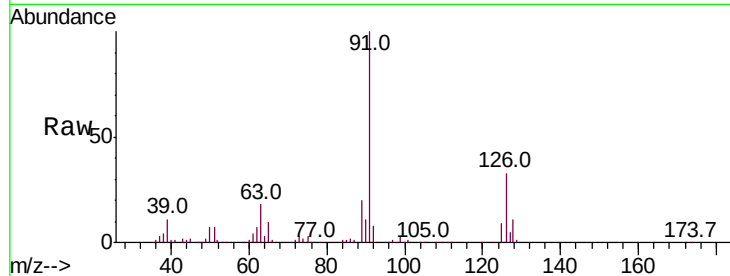
VSTDIC075

Tot Ion: 91 Resp: 1960481

Ion Ratio Lower Upper

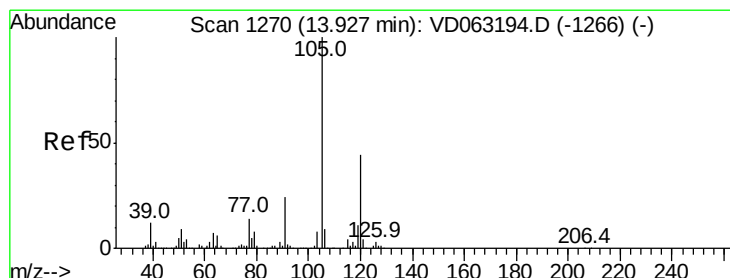
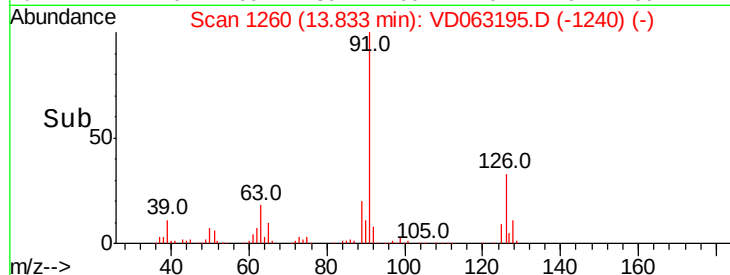
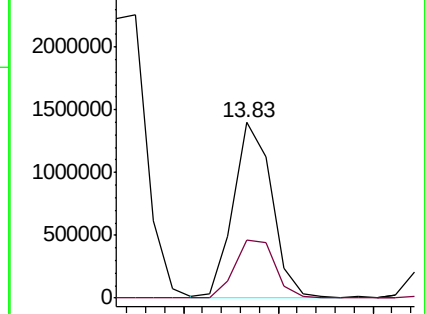
91 100

126 32.8 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: 79.060 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063195.D

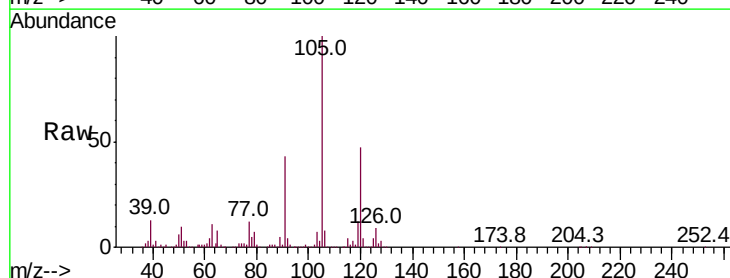
Acq: 29 Jul 2019 13:03

Tgt Ion:105 Resp: 2585376

Ion Ratio Lower Upper

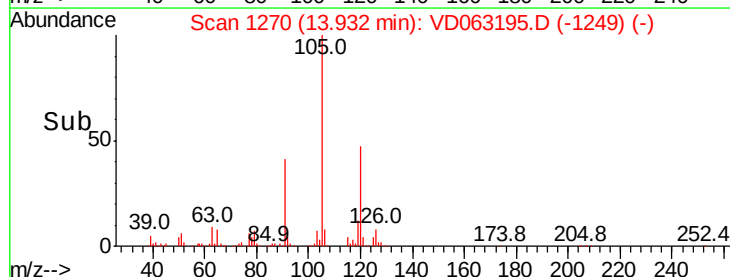
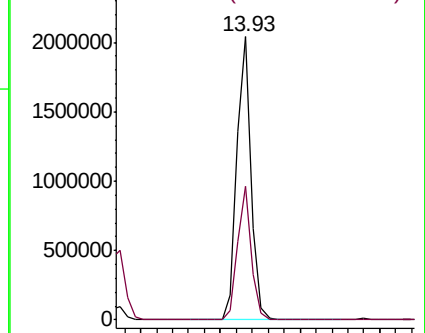
105 100

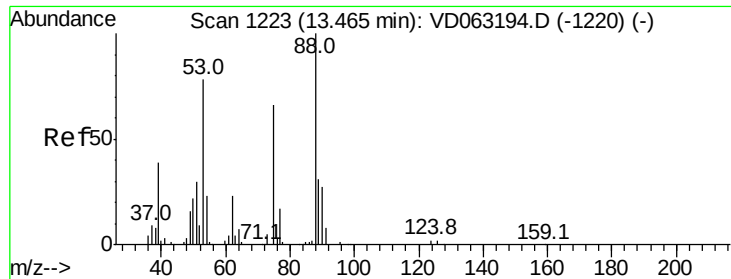
120 47.2 22.1 66.1



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: 83.438 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

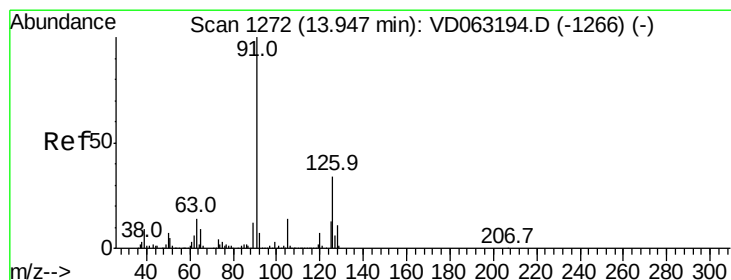
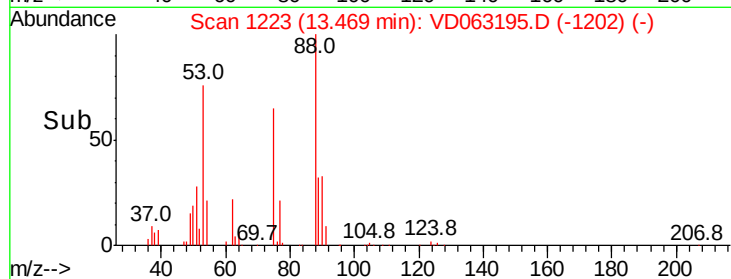
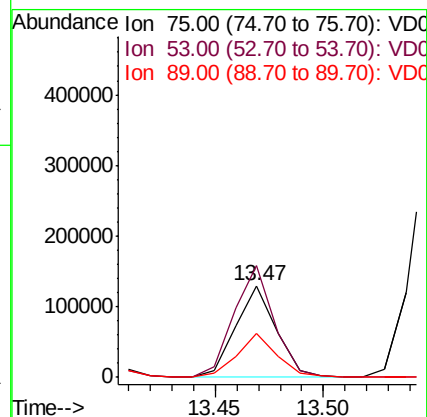
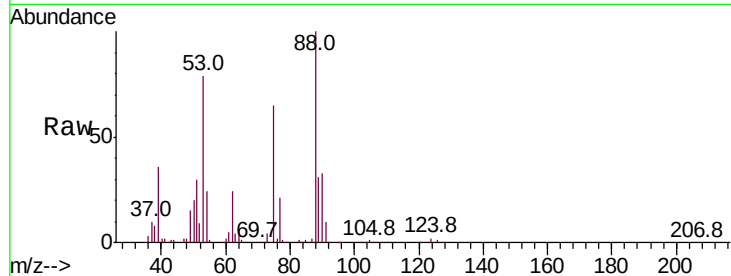
Tot Ion: 75 Resp: 168114

Ion	Ratio	Lower	Upper
75	100		
53	121.6	94.9	142.3
89	48.3	37.4	56.0

75 100

53 121.6 94.9 142.3

89 48.3 37.4 56.0



#82

4-Chlorotoluene

Concen: 77.596 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063195.D

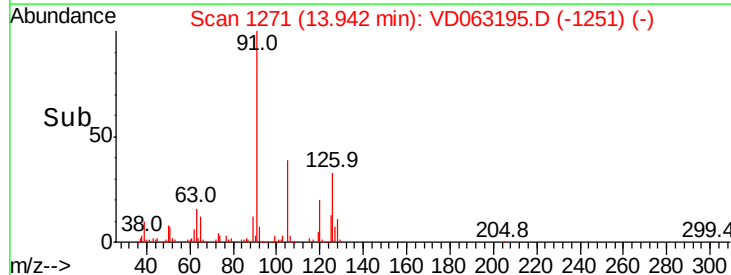
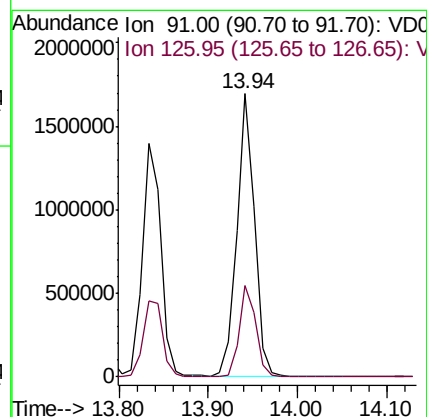
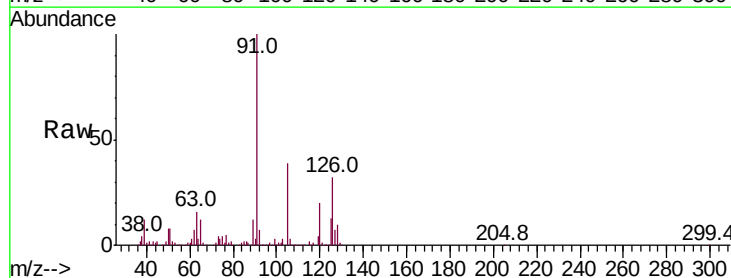
Acq: 29 Jul 2019 13:03

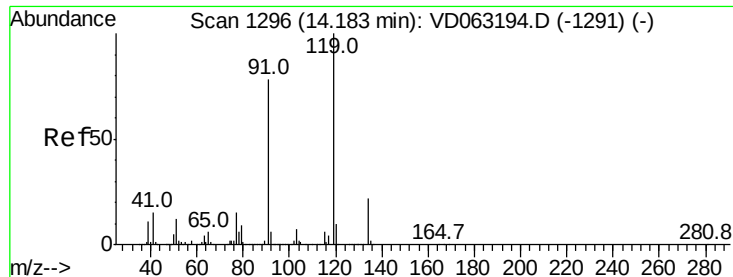
Tgt Ion: 91 Resp: 2387473

Ion	Ratio	Lower	Upper
91	100		
126	32.4	17.1	51.2

91 100

126 32.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 79.940 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

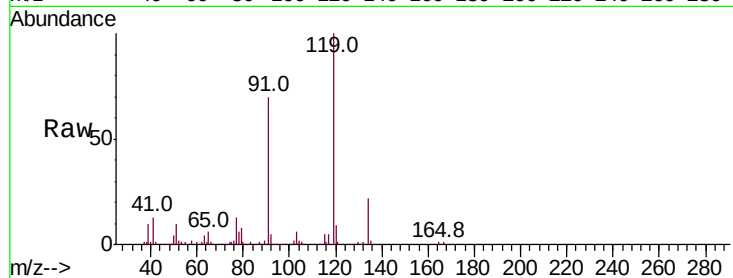
Tot Ion:119 Resp: 2984879

Ion Ratio Lower Upper

119 100

91 69.7 39.1 117.5

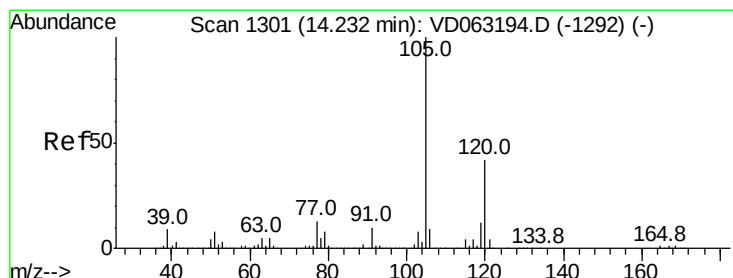
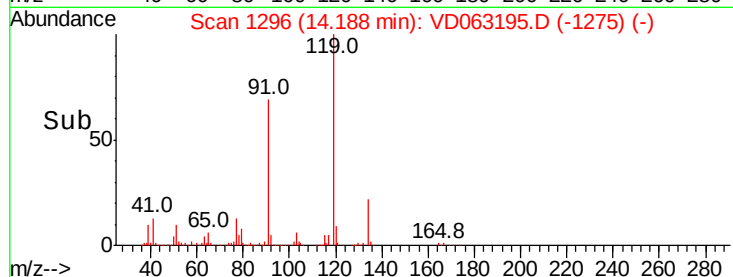
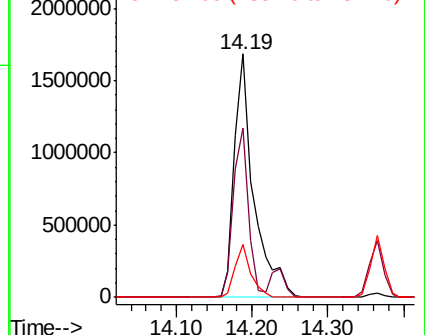
134 21.7 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 73.669 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063195.D

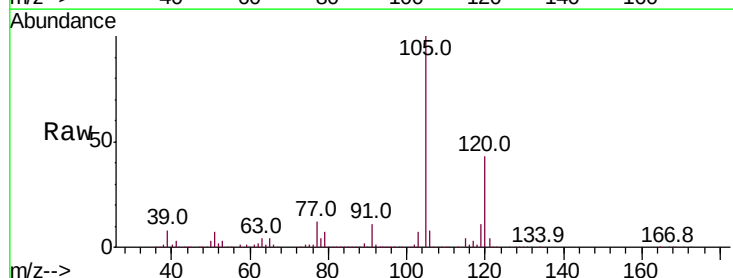
Acq: 29 Jul 2019 13:03

Tgt Ion:105 Resp: 2491820

Ion Ratio Lower Upper

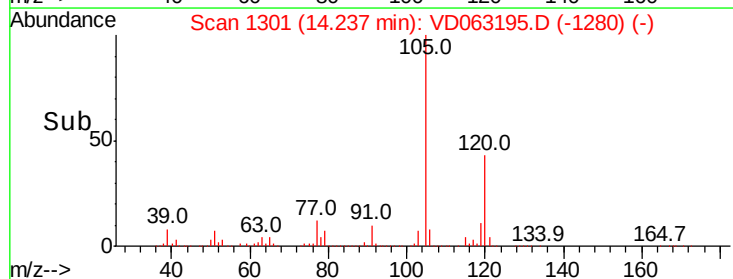
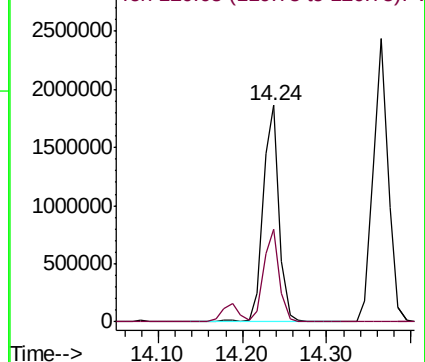
105 100

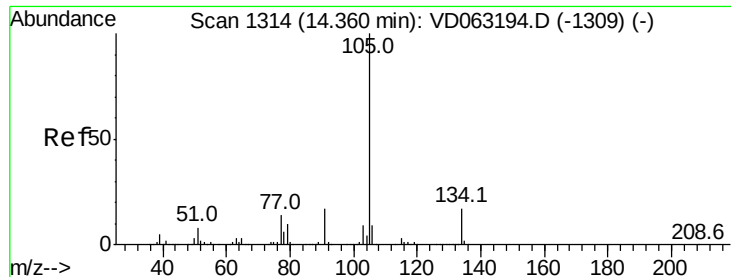
120 42.7 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 76.672 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

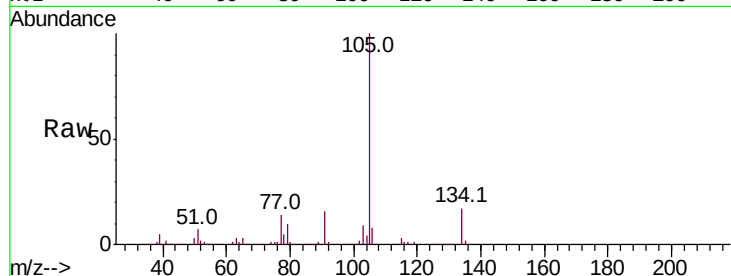
VSTDIC075

Tot Ion:105 Resp: 3016238

Ion Ratio Lower Upper

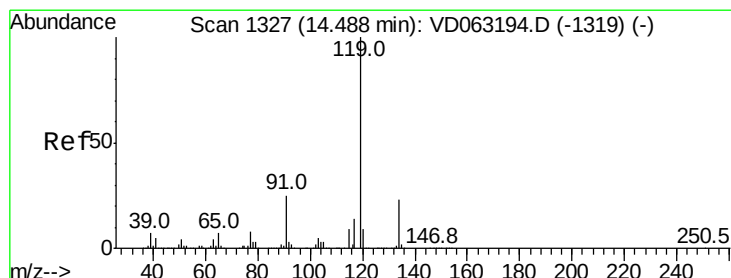
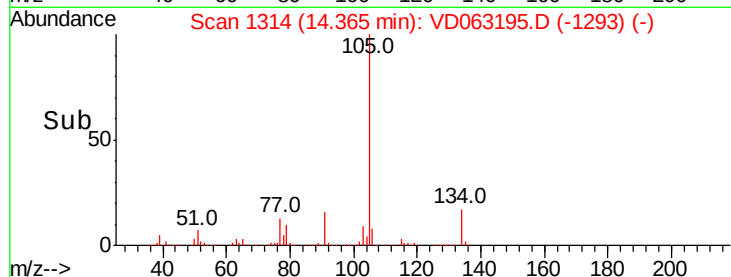
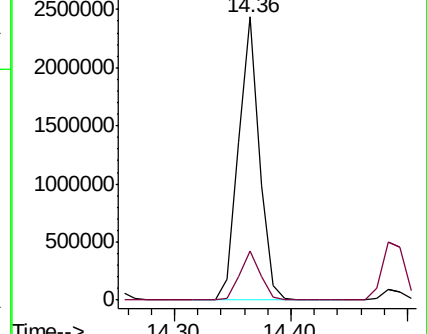
105 100

134 17.5 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: 78.878 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

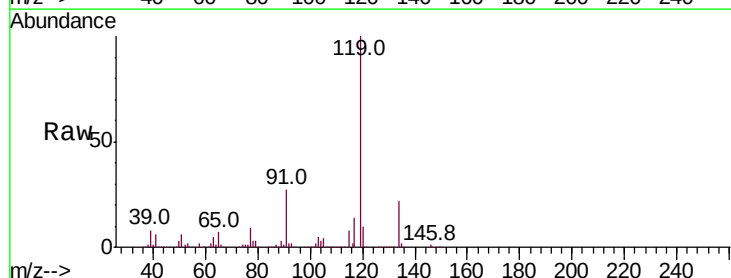
Tgt Ion:119 Resp: 2961678

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

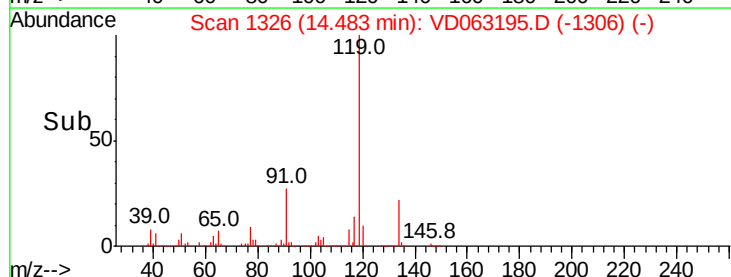
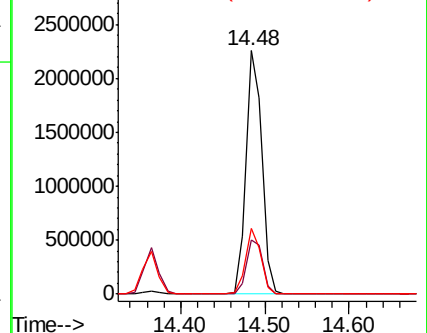
91 26.9 12.6 37.6

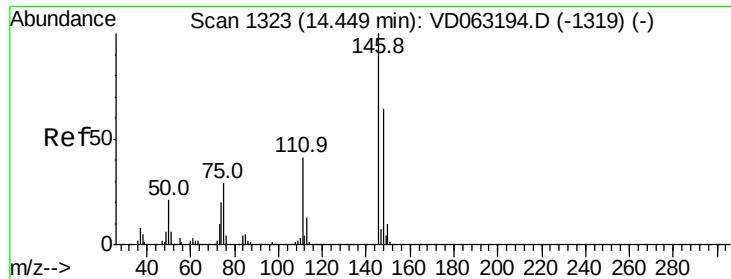


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 74.787 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. 0.00 min

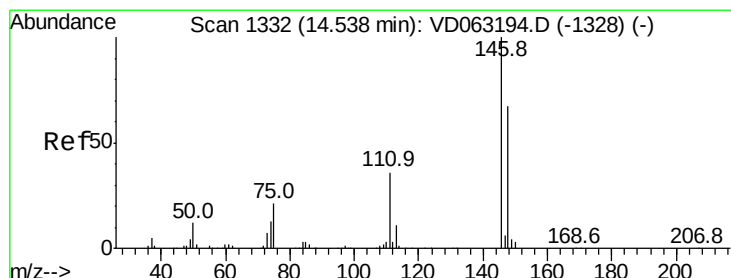
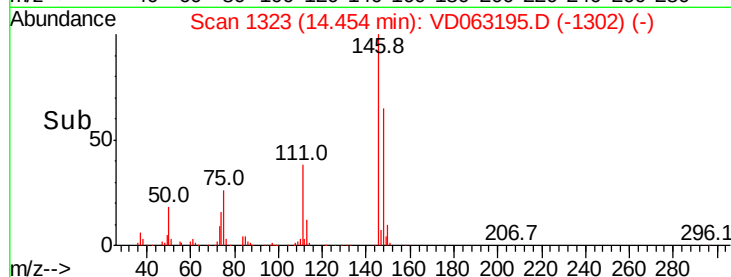
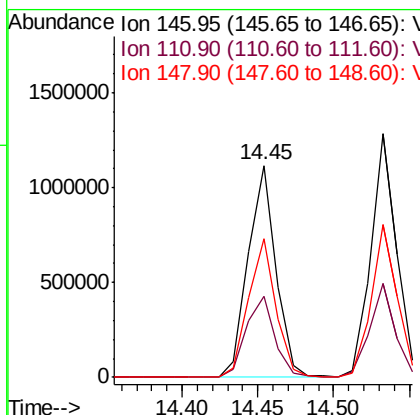
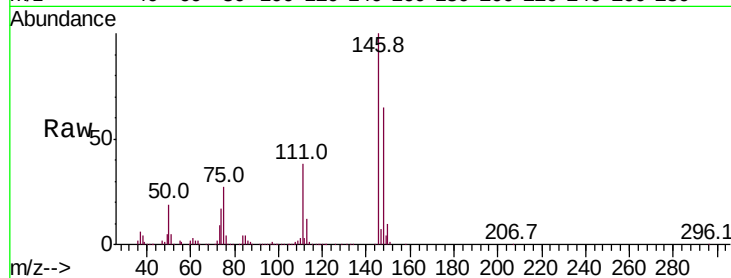
Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:146 Resp: 1430493

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.4	61.3
148	65.4	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 78.861 ug/l

RT: 14.53 min Scan# 1331

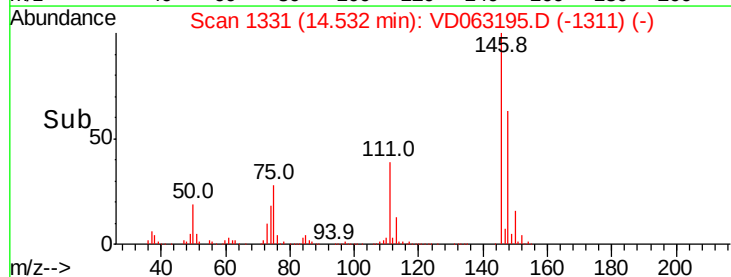
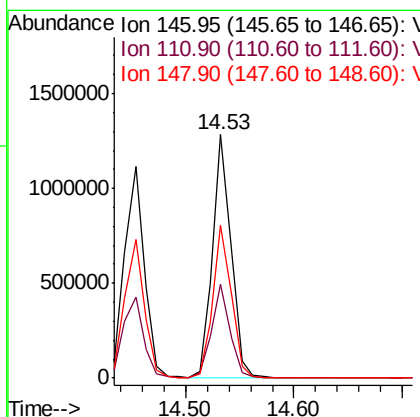
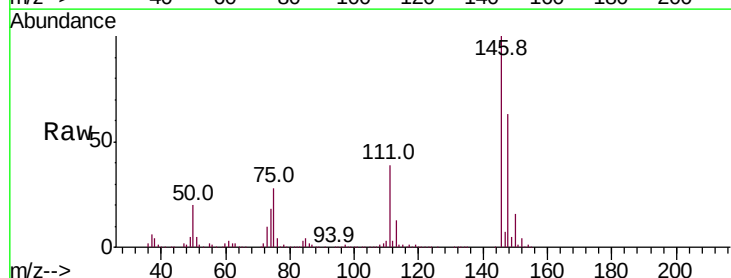
Delta R.T. -0.01 min

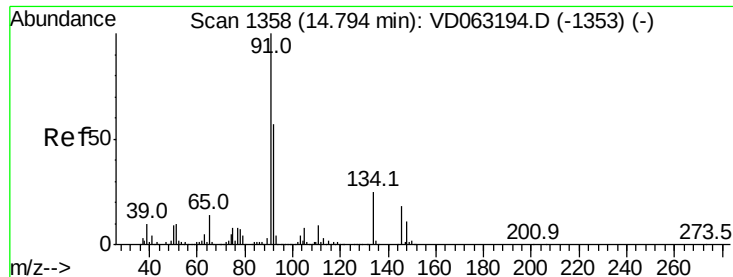
Lab File: VD063195.D

Acq: 29 Jul 2019 13:03

Tgt Ion:146 Resp: 1525337

Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.3
148	62.6	33.4	100.1

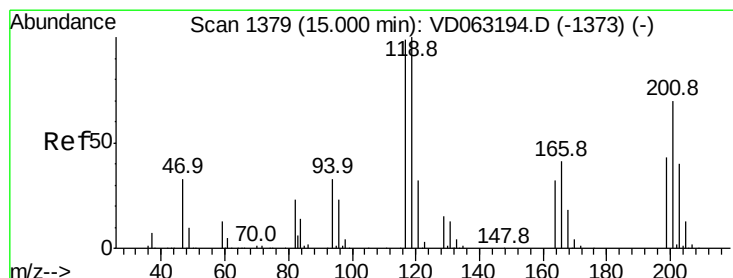
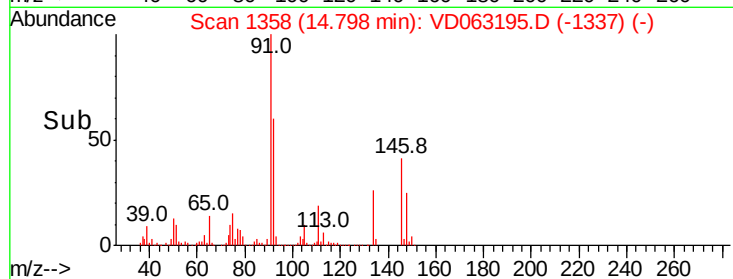
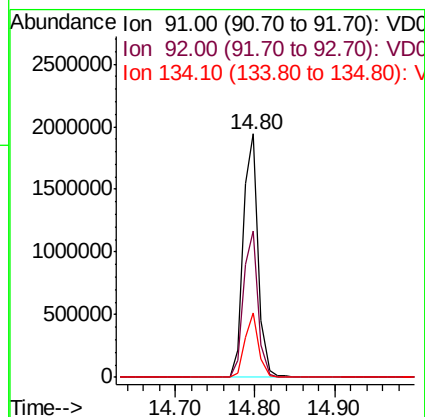
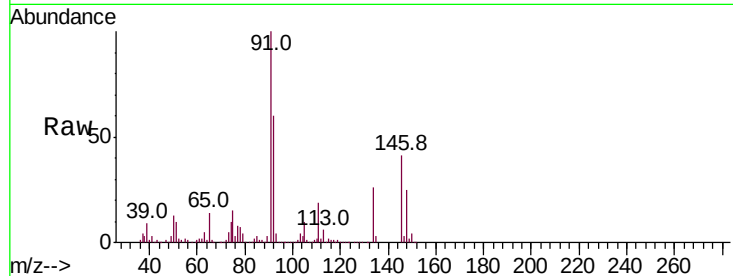




#89
n-Butylbenzene
Concen: 77.378 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

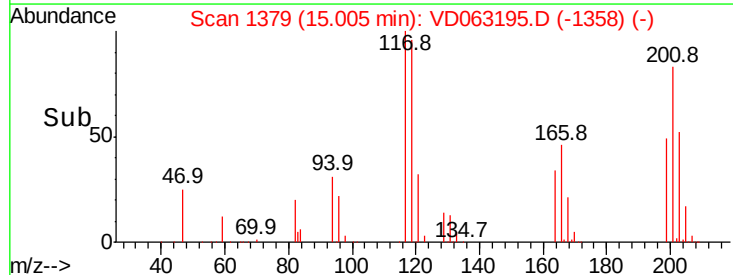
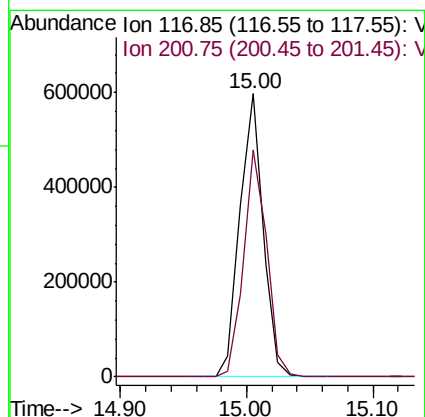
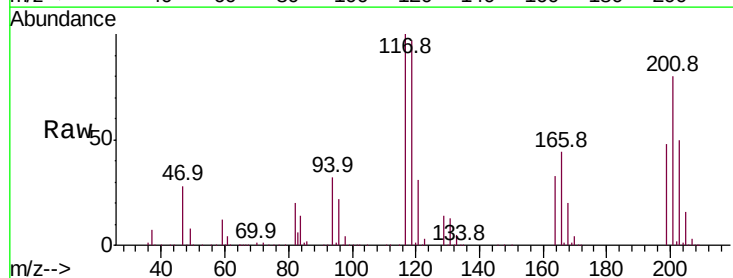
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

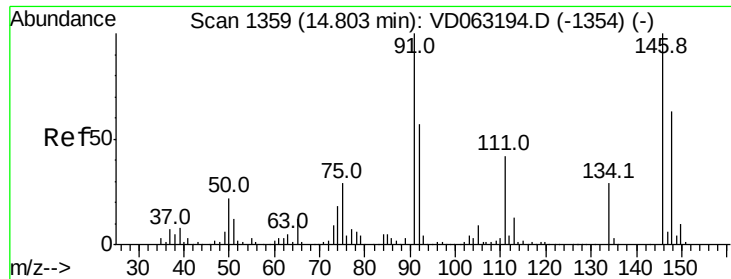
Tot Ion: 91 Resp: 2509334
Ion Ratio Lower Upper
91 100
92 60.1 28.3 85.0
134 26.4 12.3 36.8



#90
Hexachloroethane
Concen: 77.295 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 117 Resp: 756136
Ion Ratio Lower Upper
117 100
201 80.2 35.2 105.6

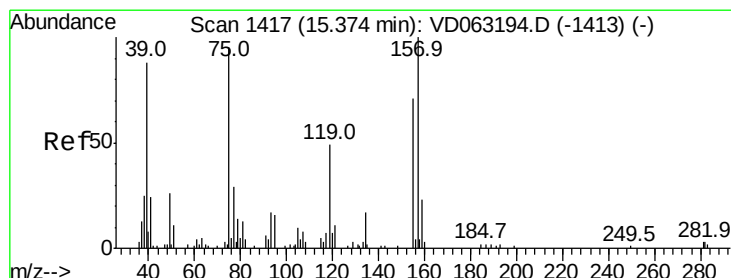
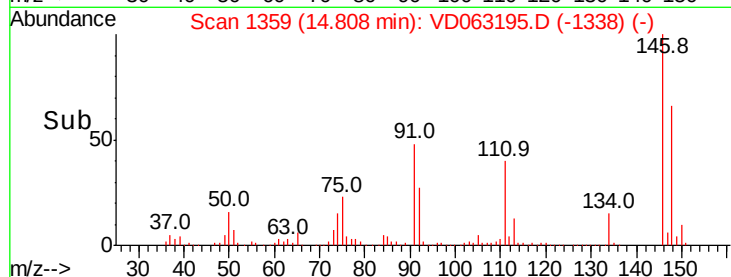
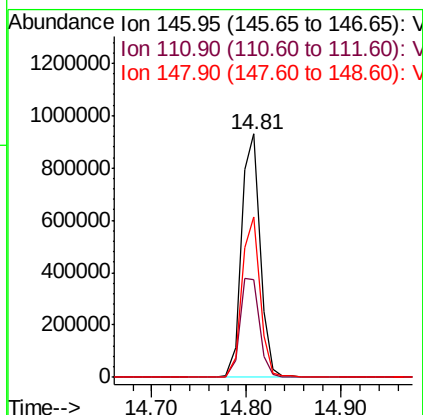
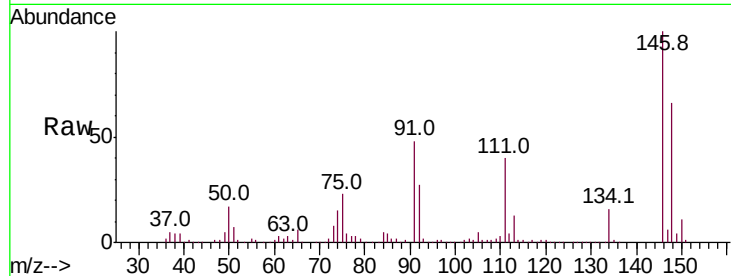




#91
1,2-Dichlorobenzene
Concen: 75.864 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

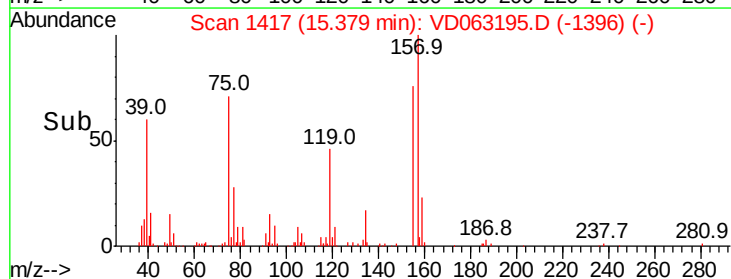
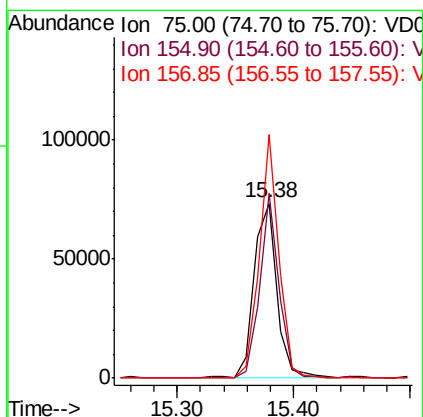
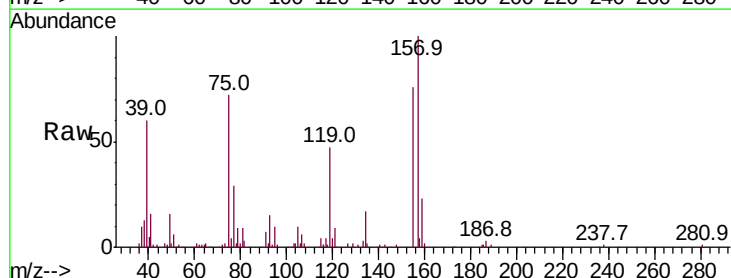
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

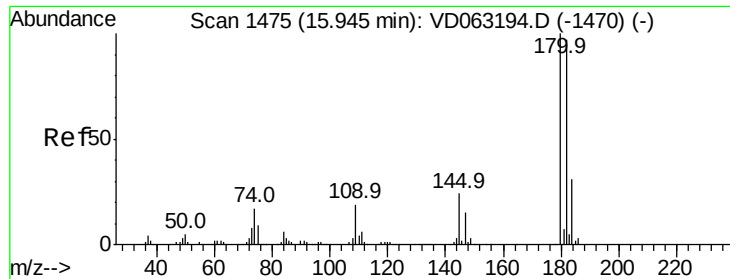
Tot Ion:146 Resp: 1264299
Ion Ratio Lower Upper
146 100
111 40.1 21.1 63.3
148 65.6 31.6 94.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 76.357 ug/l
RT: 15.38 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion: 75 Resp: 100171
Ion Ratio Lower Upper
75 100
155 105.4 37.0 111.0
157 139.3 52.4 157.2

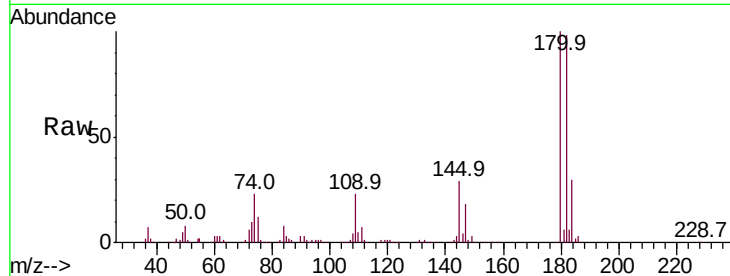




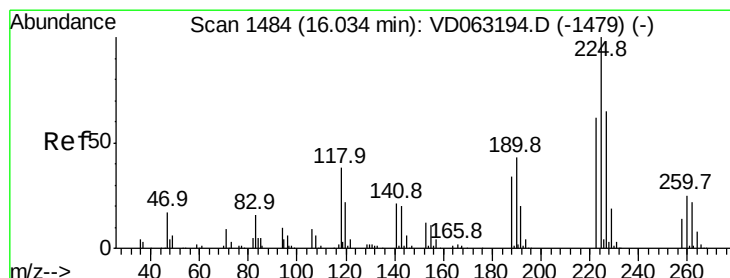
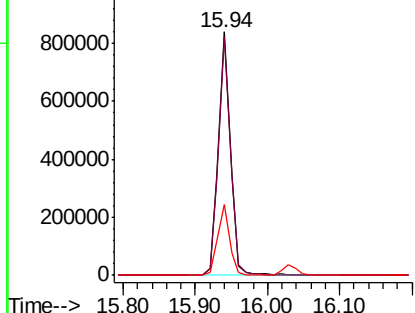
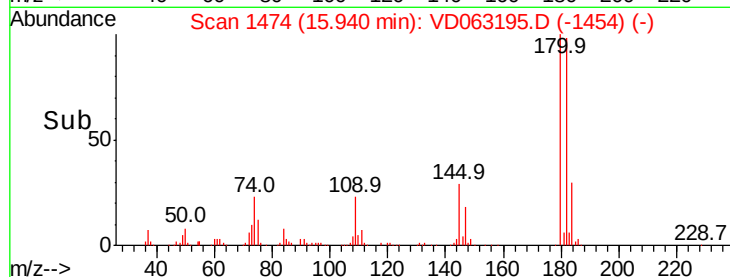
#93
 1,2,4-Trichlorobenzene
 Concen: 72.497 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 958461
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.6 145.8
 145 29.3 12.2 36.6

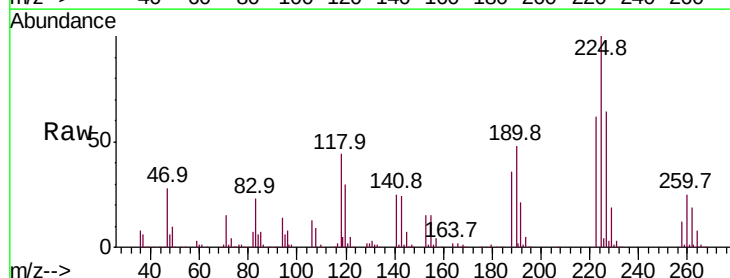


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

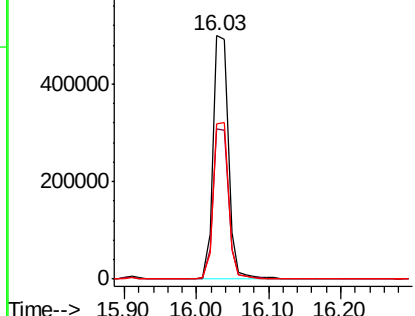
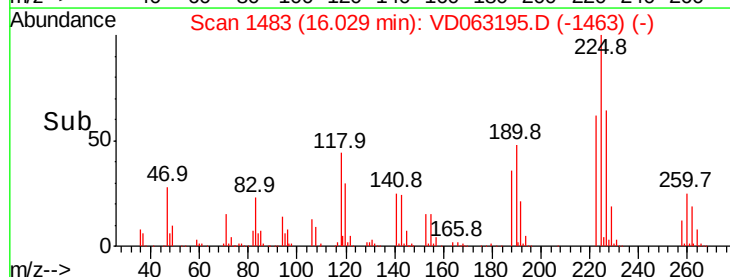


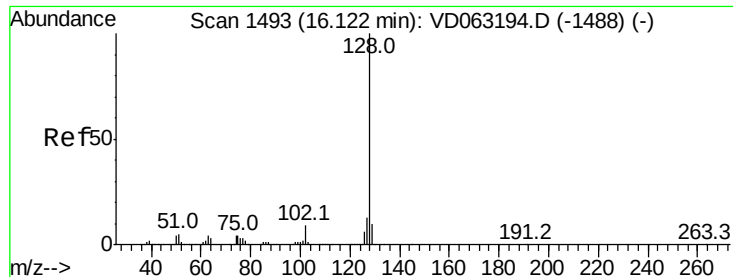
#94
 Hexachlorobutadiene
 Concen: 75.739 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063195.D
 Acq: 29 Jul 2019 13:03

Tgt Ion:225 Resp: 725636
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.5
 227 63.9 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

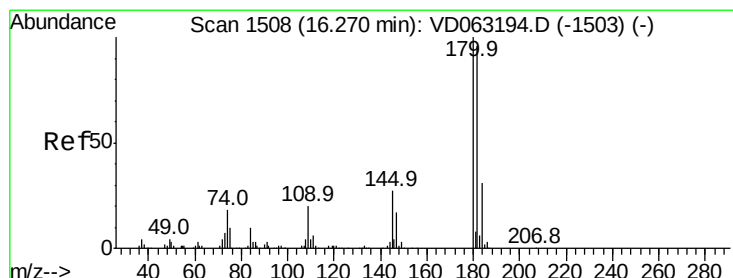
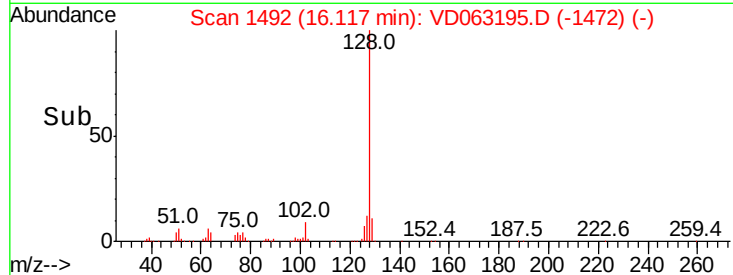
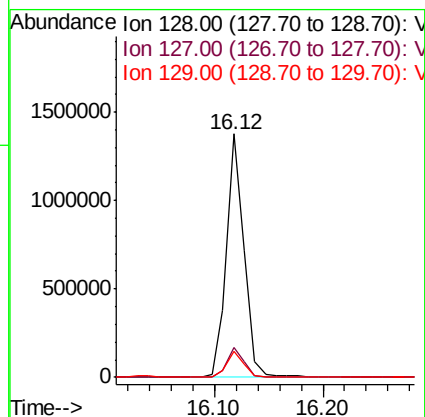
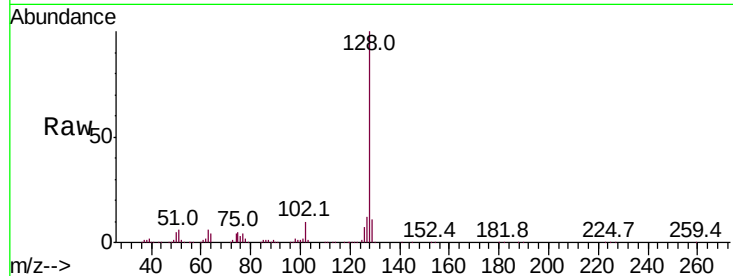




#95
Naphthalene
Concen: 83.217 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1555011
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 80.713 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063195.D
Acq: 29 Jul 2019 13:03

Tgt Ion:180 Resp: 842989
Ion Ratio Lower Upper
180 100
182 97.5 48.3 144.9
145 31.0 13.6 40.7

