

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063193.D
 Acq On : 29 Jul 2019 12:09
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 30 02:22:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	833147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1232747	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1047811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	557762	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	187222	20.25	ug/l	0.00
Spiked Amount			Recovery	=	40.50%	
35) Dibromofluoromethane	6.91	113	214885	20.42	ug/l	0.00
Spiked Amount			Recovery	=	40.84%	
50) Toluene-d8	10.40	98	444596	18.87	ug/l	0.00
Spiked Amount			Recovery	=	37.74%	
62) 4-Bromofluorobenzene	13.55	95	201862	18.81	ug/l	0.00
Spiked Amount			Recovery	=	37.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	223986	21.979	ug/l	96
3) Chloromethane	1.74	50	165892	20.960	ug/l	93
4) Vinyl Chloride	1.84	62	175143	21.382	ug/l	98
5) Bromomethane	2.13	94	80468	19.478	ug/l	99
6) Chloroethane	2.24	64	82278	21.756	ug/l	94
7) Trichlorofluoromethane	2.51	101	330736	20.813	ug/l	96
8) Diethyl Ether	2.86	74	46011	20.689	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	180856	20.546	ug/l	99
10) Methyl Iodide	3.28	142	261479	20.563	ug/l	99
11) Tert butyl alcohol	4.07	59	36917	90.484	ug/l #	90
12) 1,1-Dichloroethene	3.11	96	130516	20.197	ug/l	95
13) Acrolein	3.03	56	42350	108.466	ug/l	97
14) Allyl chloride	3.60	41	206132	20.015	ug/l	88
15) Acrylonitrile	4.19	53	108044	102.723	ug/l	94
16) Acetone	3.22	43	160254	88.971	ug/l	97
17) Carbon Disulfide	3.35	76	459177	21.229	ug/l	97
18) Methyl Acetate	3.63	43	72884	21.066	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	299094	20.490	ug/l	98
20) Methylene Chloride	3.80	84	147592	20.272	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	154142	21.258	ug/l	95
22) Diisopropyl ether	5.11	45	439938	21.369	ug/l	98
23) Vinyl Acetate	5.04	43	1312684	103.829	ug/l	99
24) 1,1-Dichloroethane	4.97	63	273934	20.851	ug/l	95
25) 2-Butanone	6.07	43	175906	97.312	ug/l	97
26) 2,2-Dichloropropane	6.01	77	287963	21.270	ug/l	95
27) cis-1,2-Dichloroethene	6.02	96	163610	21.046	ug/l	86
28) Bromochloromethane	6.43	49	119406	22.771	ug/l	100
29) Tetrahydrofuran	6.44	42	83674	97.769	ug/l	97
30) Chloroform	6.65	83	352236	21.605	ug/l	94
31) Cyclohexane	6.94	56	170339	20.686	ug/l #	87
32) 1,1,1-Trichloroethane	6.86	97	314913	19.969	ug/l	96
36) 1,1-Dichloropropene	7.13	75	225234	20.020	ug/l	98
37) Ethyl Acetate	6.17	43	95974	19.028	ug/l #	95
38) Carbon Tetrachloride	7.09	117	319583	18.869	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	181293	19.341	ug/l	96
40) Benzene	7.44	78	453914	19.251	ug/l	99
41) Methacrylonitrile	6.44	41	117139	19.375	ug/l #	83
42) 1,2-Dichloroethane	7.57	62	237801	19.030	ug/l	100
43) Isopropyl Acetate	9.23	43	132589	20.536	ug/l #	98
44) Trichloroethene	8.53	130	181056	18.950	ug/l	95
45) 1,2-Dichloropropane	8.93	63	116666	19.467	ug/l	99
46) Dibromomethane	9.05	93	94360	18.936	ug/l	95
47) Bromodichloromethane	9.37	83	256959	20.229	ug/l	90
48) Methyl methacrylate	9.11	41	80504	19.225	ug/l	92
49) 1,4-Dioxane	9.07	88	13237	382.092	ug/l #	80
51) 4-Methyl-2-Pentanone	10.28	43	444348	101.198	ug/l	94
52) Toluene	10.50	92	319290	20.360	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	226635	20.695	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	223094	19.383	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	110964	20.951	ug/l	90
56) Ethyl methacrylate	11.03	69	116935	20.162	ug/l	97
57) 1,3-Dichloropropane	11.40	76	152726	18.302	ug/l #	88
58) 2-Chloroethyl Vinyl ether	9.85	63	327689	108.584	ug/l	97
59) 2-Hexanone	11.52	43	293099	92.628	ug/l	96
60) Dibromochloromethane	11.68	129	200032	20.006	ug/l	96
61) 1,2-Dibromoethane	11.80	107	133047	20.358	ug/l	97
64) Tetrachloroethene	11.25	164	149641	17.926	ug/l	95
65) Chlorobenzene	12.39	112	402749	19.983	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	170653	19.223	ug/l	96
67) Ethyl Benzene	12.52	91	662582	19.353	ug/l	98
68) m/p-Xylenes	12.66	106	495650	39.476	ug/l	98
69) o-Xylene	13.04	106	216581	18.784	ug/l	99
70) Styrene	13.07	104	403857	19.751	ug/l	98
71) Bromoform	13.23	173	123477	19.126	ug/l	94
73) Isopropylbenzene	13.40	105	681523	19.468	ug/l	98
74) N-amyl acetate	13.26	43	176833	19.108	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	120651	20.290	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	123723	18.468	ug/l	95
77) Bromobenzene	13.66	156	200500	20.106	ug/l	98
78) n-propylbenzene	13.77	91	786052	18.869	ug/l	98
79) 2-Chlorotoluene	13.84	91	483446	20.028	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	606950	20.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	31830	17.110	ug/l	83
82) 4-Chlorotoluene	13.94	91	579989	20.416	ug/l	91
83) tert-Butylbenzene	14.18	119	647760	18.789	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	627622	20.097	ug/l	99
85) sec-Butylbenzene	14.36	105	702728	19.347	ug/l	96
86) p-Isopropyltoluene	14.49	119	662821	19.119	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	347706	19.689	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	347589	19.464	ug/l	98
89) n-Butylbenzene	14.79	91	609162	20.345	ug/l	99
90) Hexachloroethane	15.00	117	184478	20.425	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	317878	20.659	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22787	18.813	ug/l	89

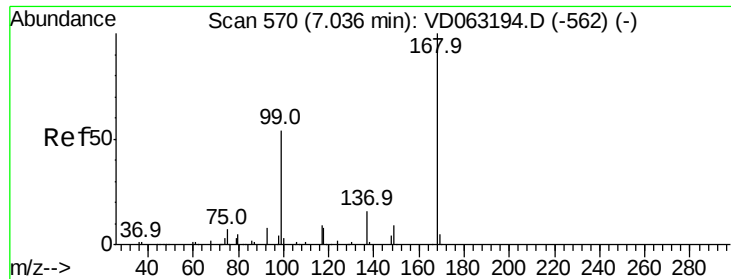
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	241348	19.772	ug/l	95
94) Hexachlorobutadiene	16.03	225	173833	19.651	ug/l	94
95) Naphthalene	16.12	128	335605	19.452	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	185038	19.189	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

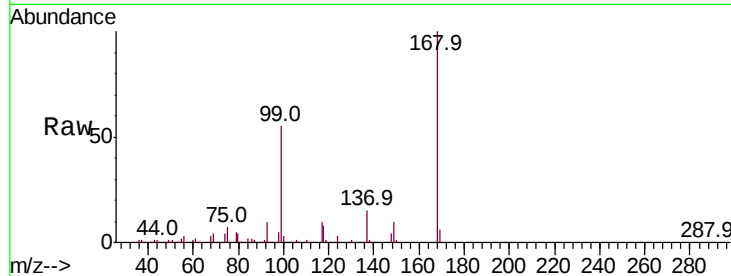
VSTDIC020

Tot Ion:168 Resp: 833147

Ion Ratio Lower Upper

168 100

99 54.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

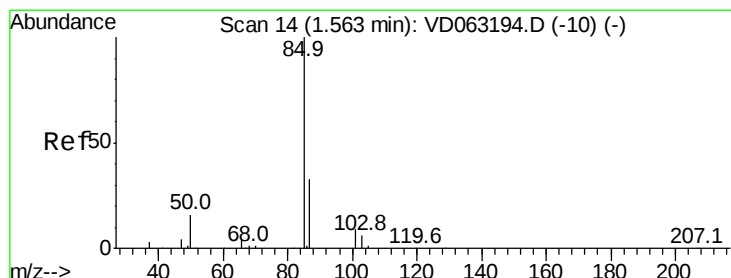
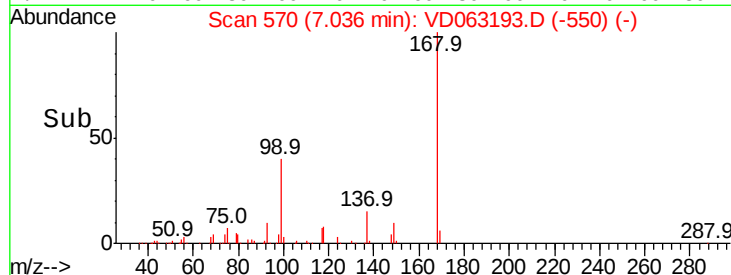
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.979 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063193.D

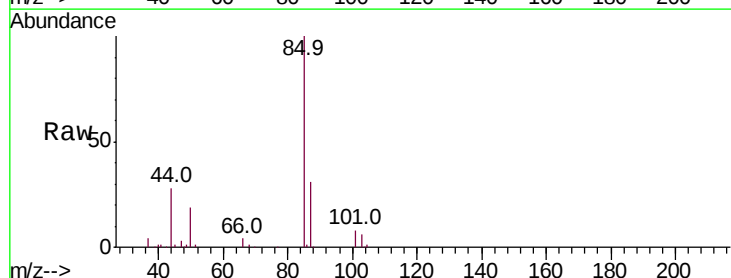
Acq: 29 Jul 2019 12:09

Tgt Ion: 85 Resp: 223986

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

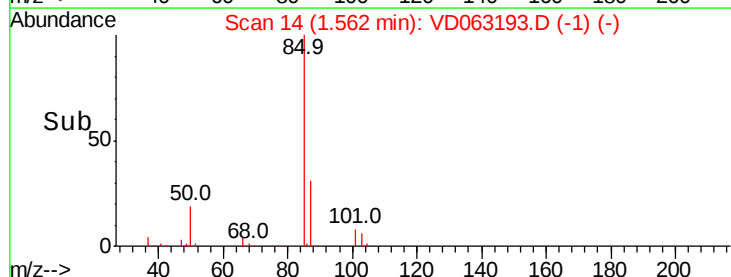
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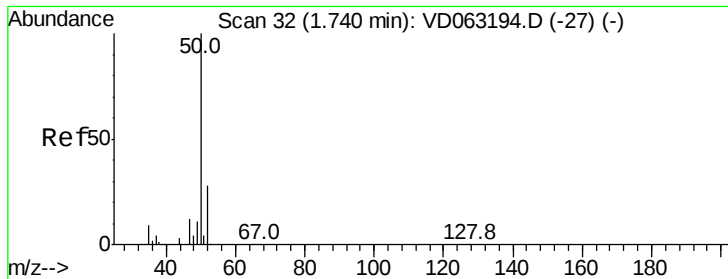
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.960 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

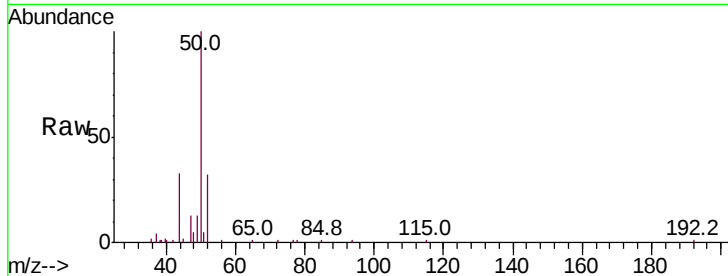
VSTDIC020

Tot Ion: 50 Resp: 165892

Ion Ratio Lower Upper

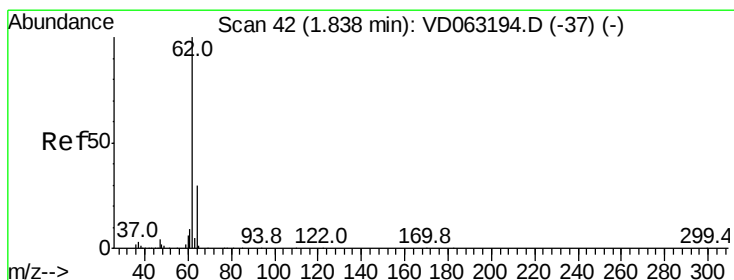
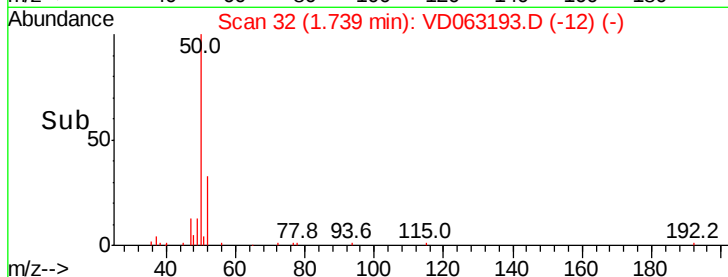
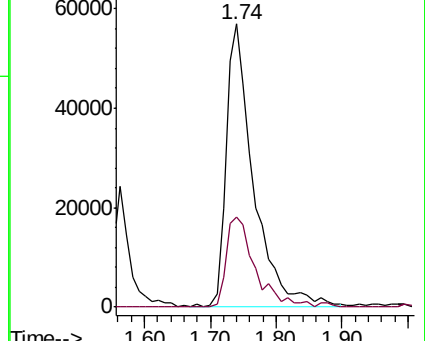
50 100

52 31.9 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.382 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063193.D

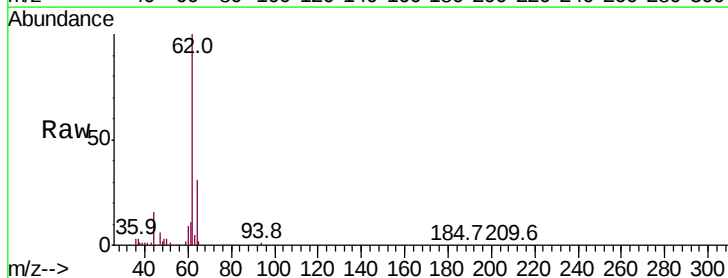
Acq: 29 Jul 2019 12:09

Tgt Ion: 62 Resp: 175143

Ion Ratio Lower Upper

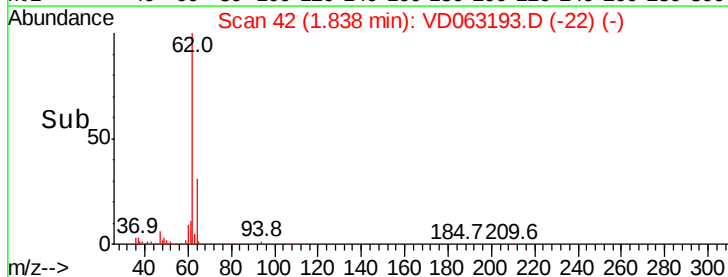
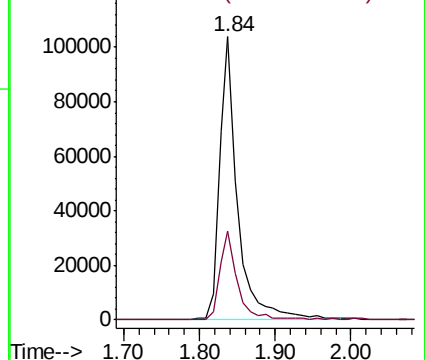
62 100

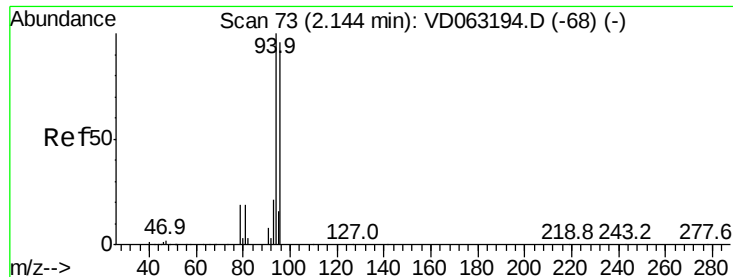
64 31.4 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.478 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

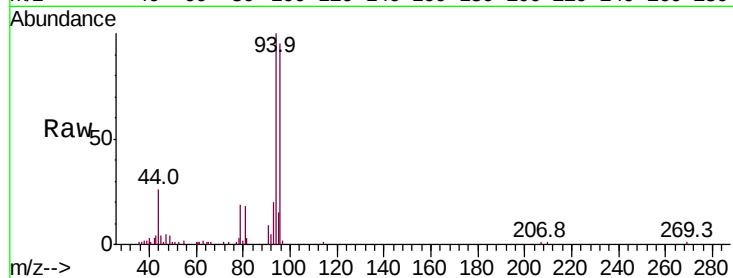
Tot Ion: 94 Resp: 80468

Ion Ratio Lower Upper

94 100

96 95.4 76.4 114.6

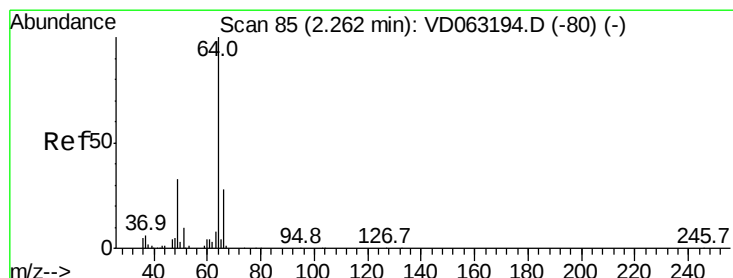
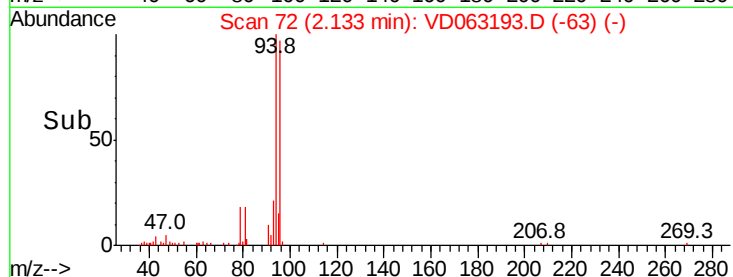
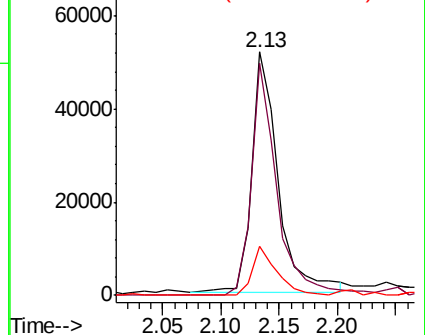
93 20.2 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.756 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063193.D

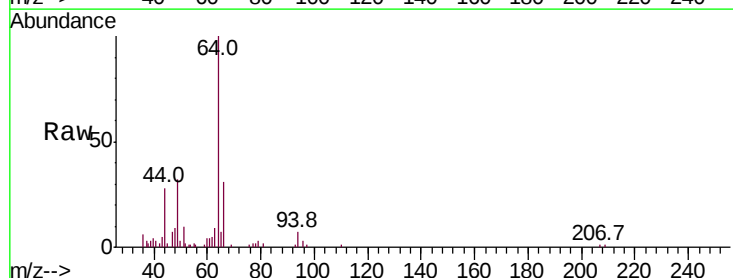
Acq: 29 Jul 2019 12:09

Tgt Ion: 64 Resp: 82278

Ion Ratio Lower Upper

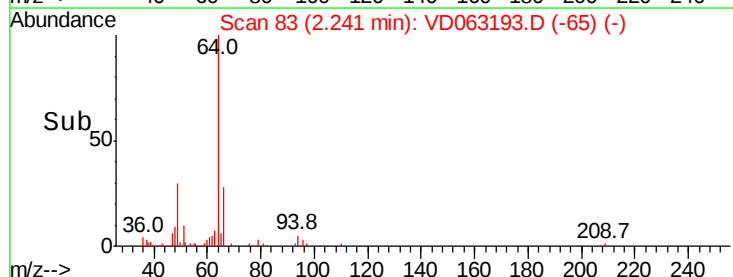
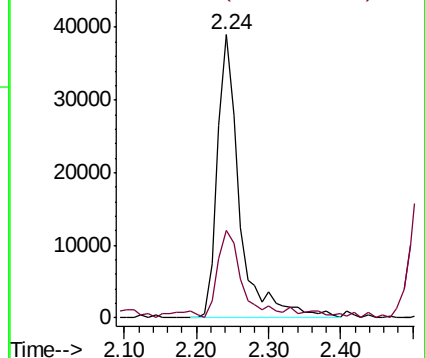
64 100

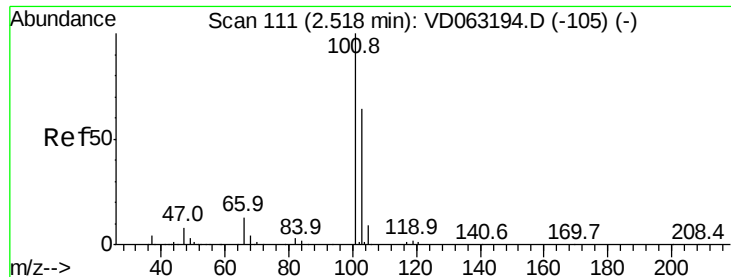
66 30.9 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



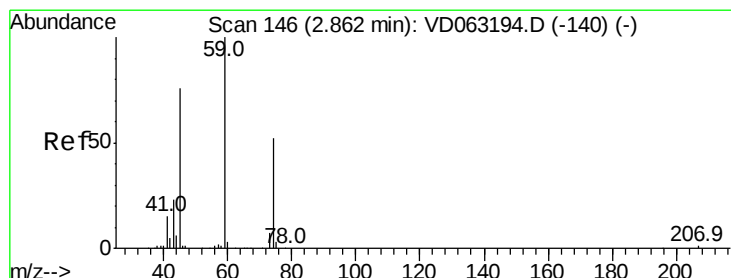
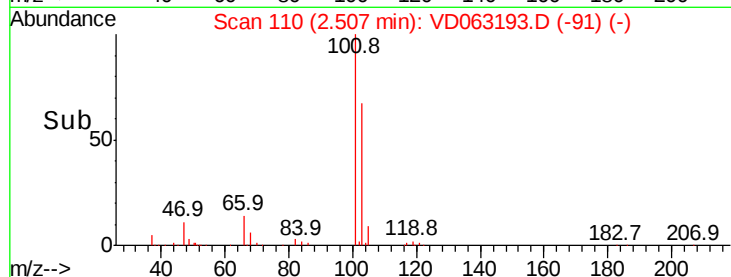
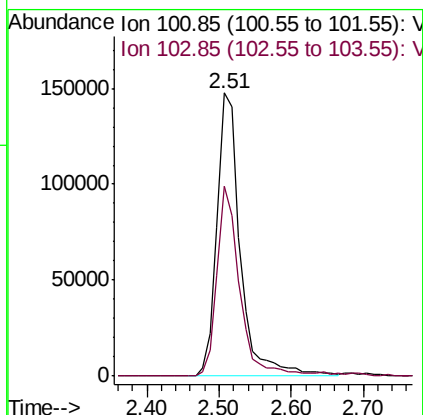
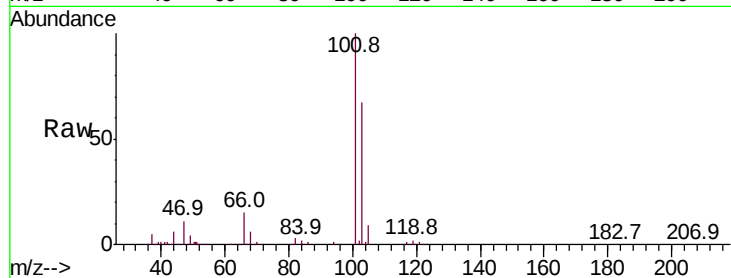


#7

Trichlorofluoromethane
 Concen: 20.813 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

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 VSTDIC020

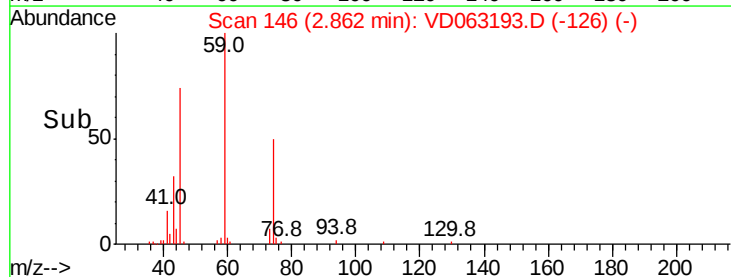
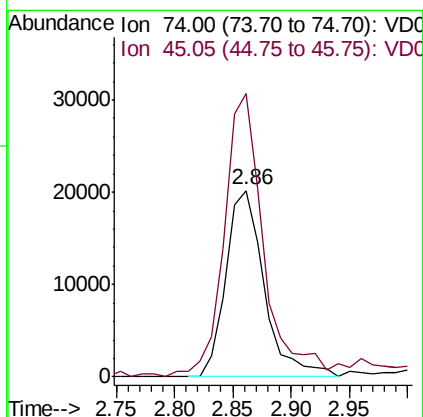
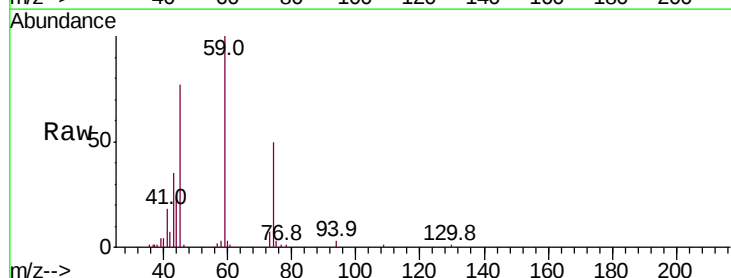
Tot Ion:101 Resp: 330736
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.5 77.3

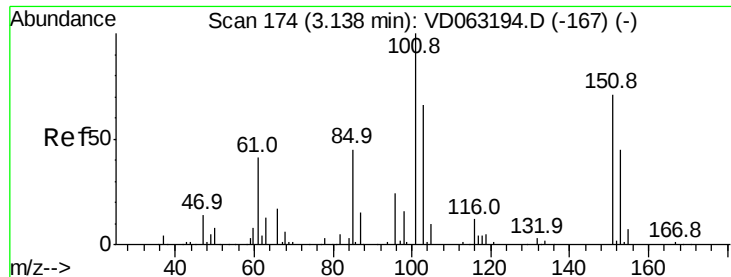


#8

Diethyl Ether
 Concen: 20.689 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion: 74 Resp: 46011
 Ion Ratio Lower Upper
 74 100
 45 152.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.546 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

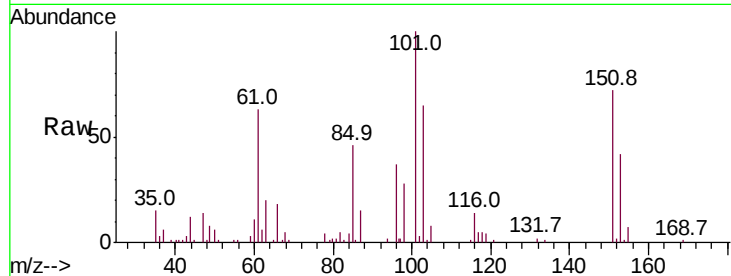
Tot Ion:101 Resp: 180856

Ion Ratio Lower Upper

101 100

85 46.5 36.1 54.1

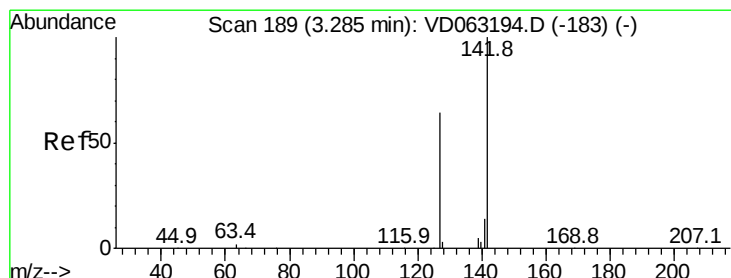
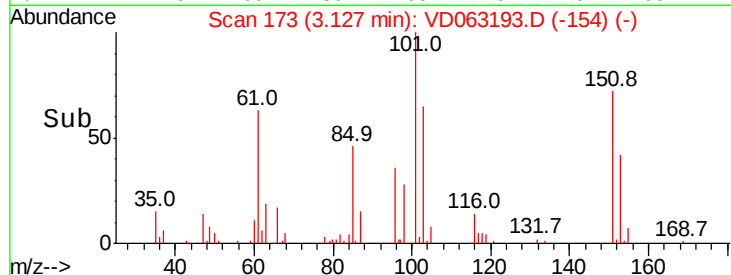
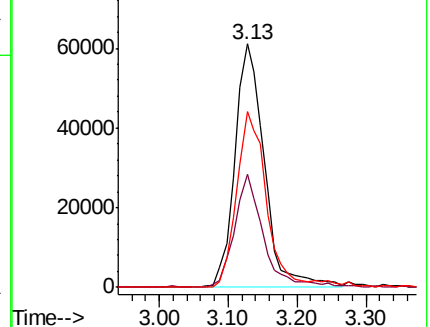
151 72.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.563 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

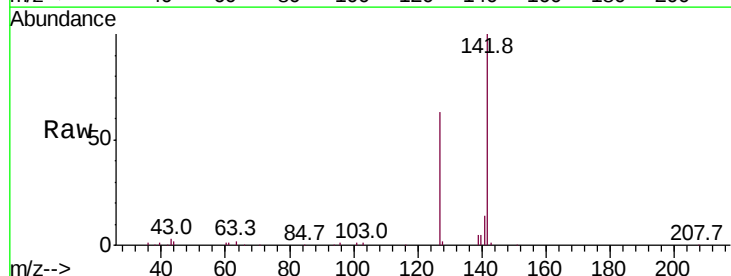
Tgt Ion:142 Resp: 261479

Ion Ratio Lower Upper

142 100

127 62.9 50.8 76.2

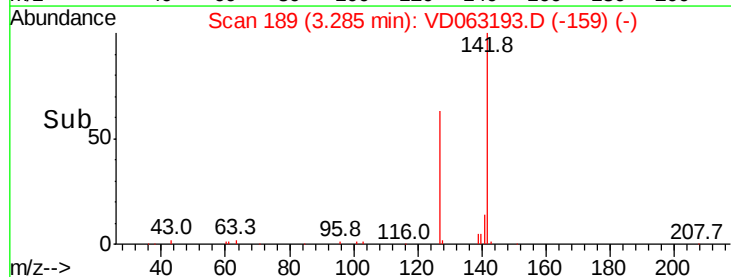
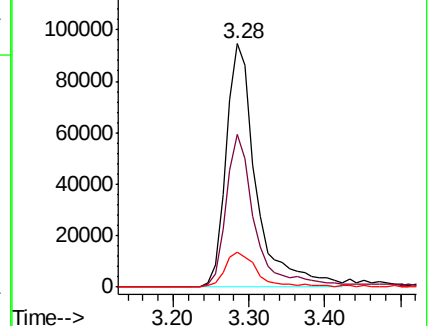
141 14.3 11.4 17.2

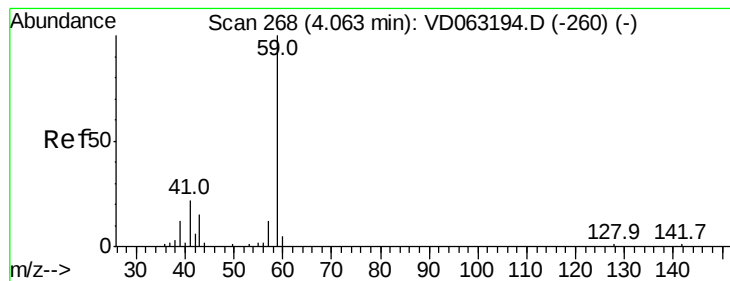


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 90.484 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

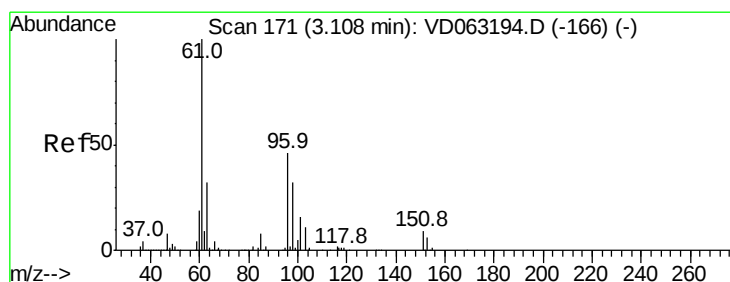
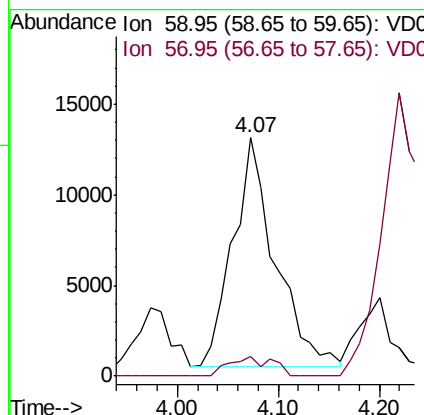
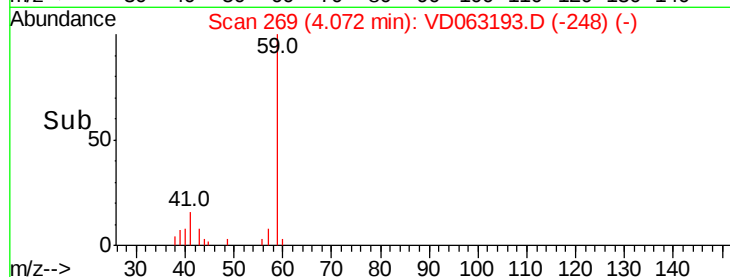
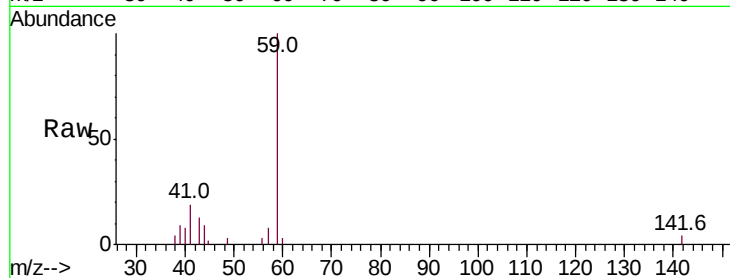
VSTDIC020

Tot Ion: 59 Resp: 36917

Ion Ratio Lower Upper

59 100

57 8.1 9.6 14.4#



#12

1,1-Dichloroethene

Concen: 20.197 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

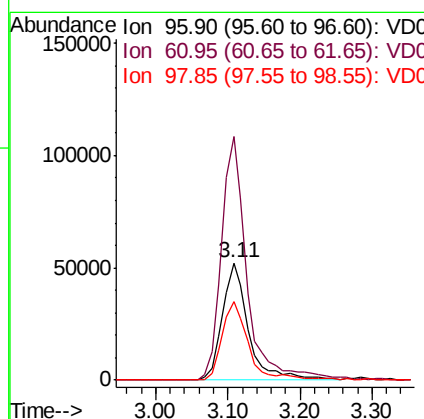
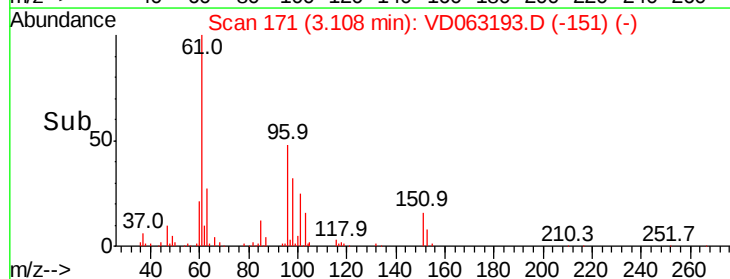
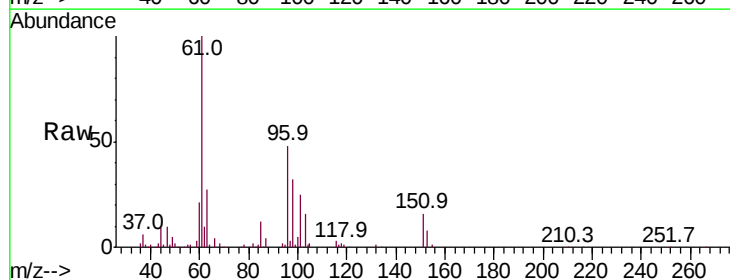
Tgt Ion: 96 Resp: 130516

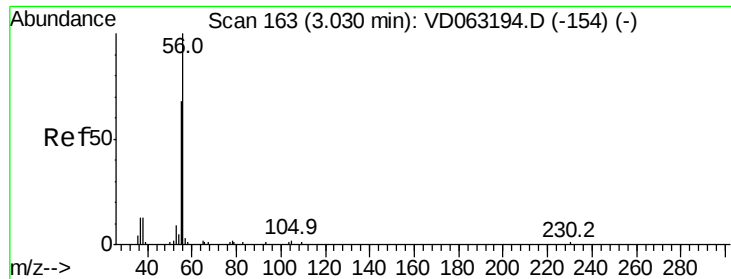
Ion Ratio Lower Upper

96 100

61 208.3 173.7 260.5

98 67.0 55.8 83.8





#13

Acrolein

Concen: 108.466 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

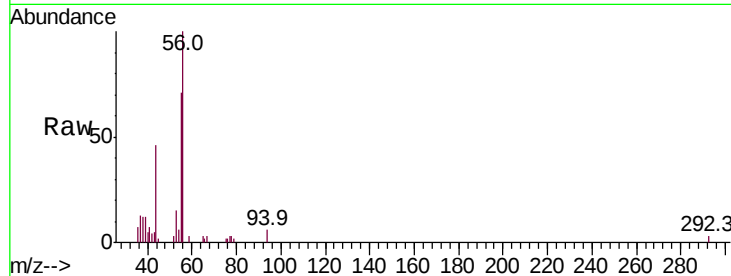
VSTDIC020

Tot Ion: 56 Resp: 42350

Ion Ratio Lower Upper

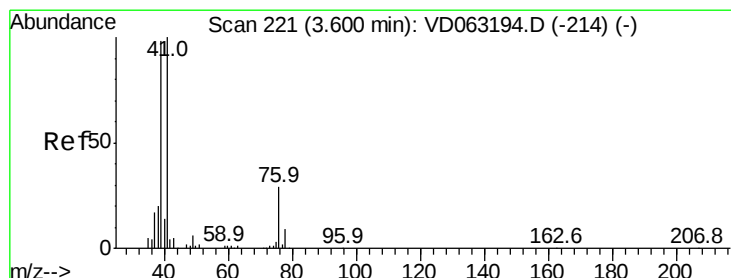
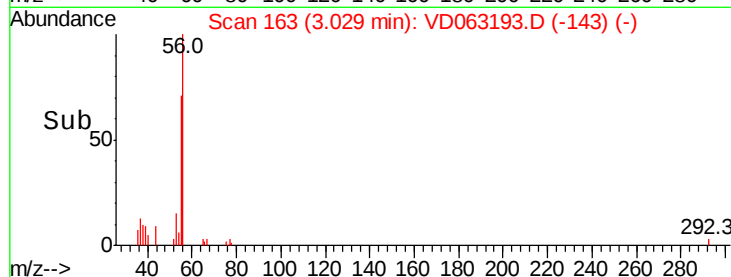
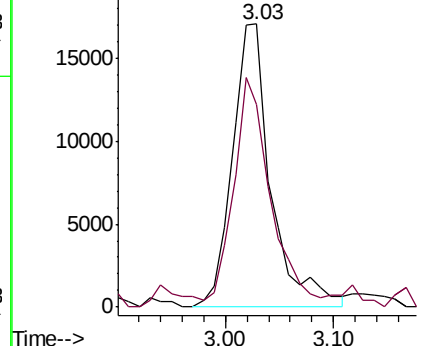
56 100

55 71.4 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.015 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

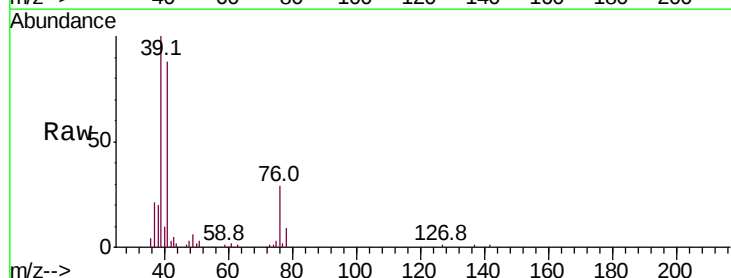
Tgt Ion: 41 Resp: 206132

Ion Ratio Lower Upper

41 100

39 113.3 78.6 117.8

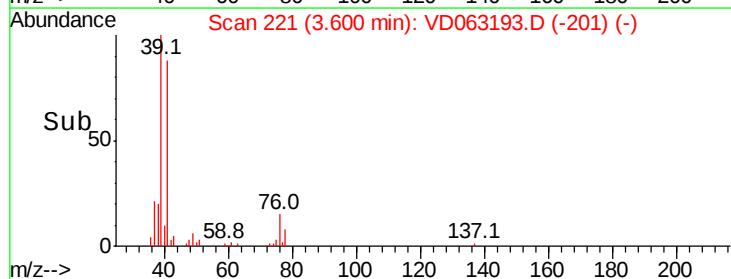
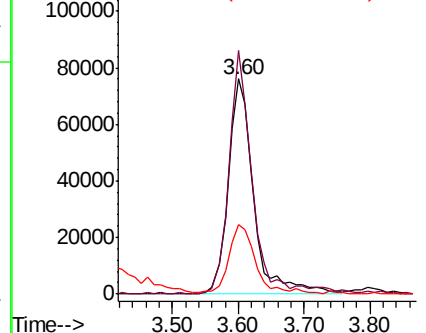
76 32.4 24.5 36.7

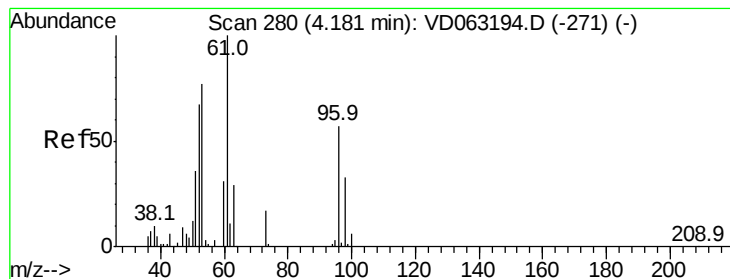


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.723 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

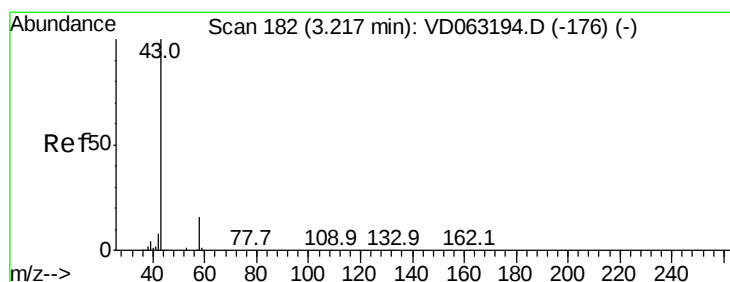
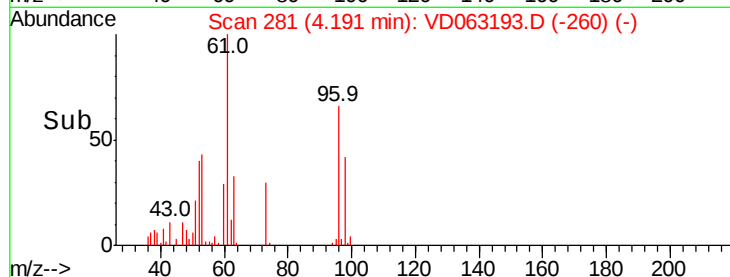
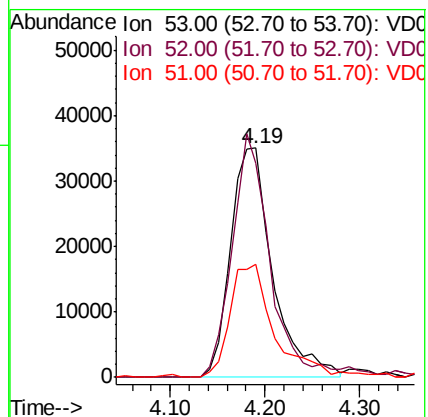
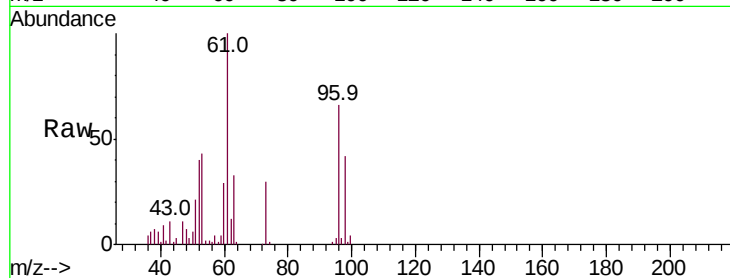
Tot Ion: 53 Resp: 108044

Ion Ratio Lower Upper

53 100

52 93.7 69.7 104.5

51 49.6 37.4 56.0



#16

Acetone

Concen: 88.971 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063193.D

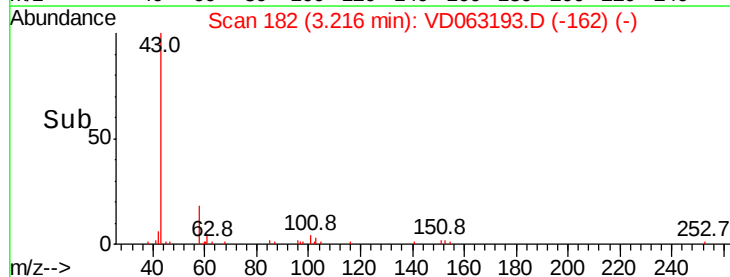
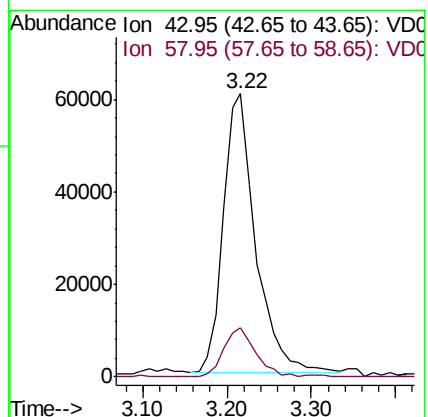
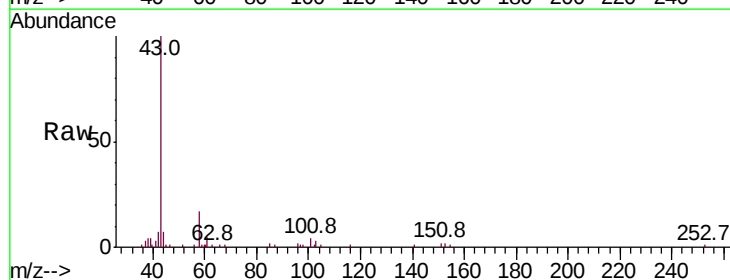
Acq: 29 Jul 2019 12:09

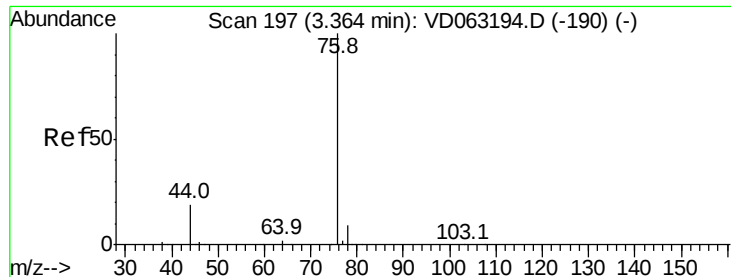
Tgt Ion: 43 Resp: 160254

Ion Ratio Lower Upper

43 100

58 17.5 13.0 19.4

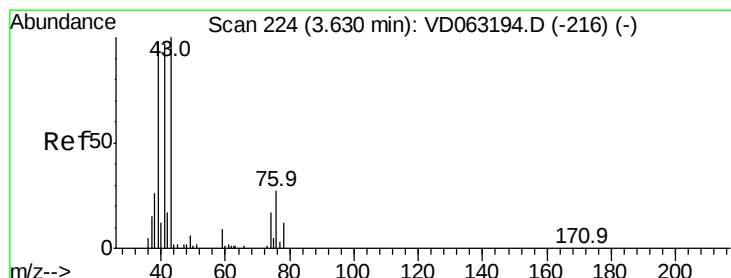
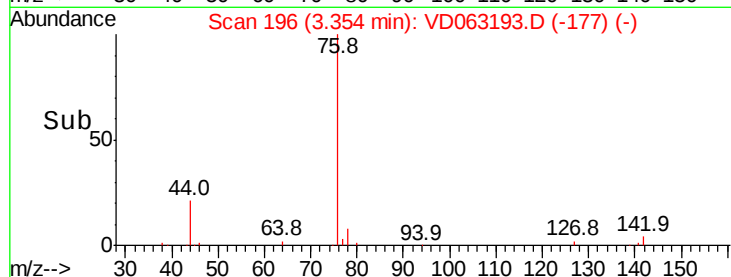
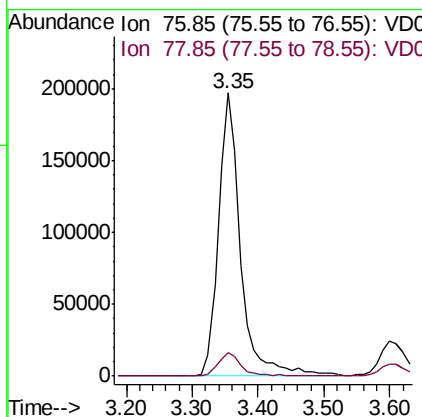
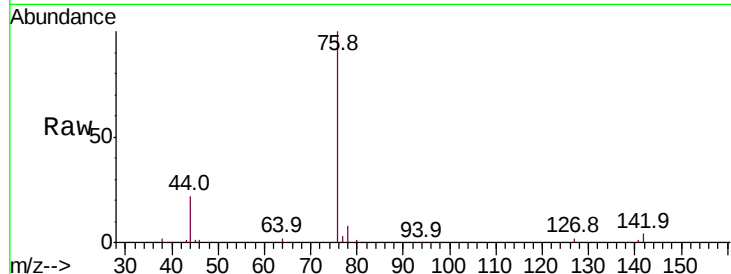




#17
Carbon Disulfide
Concen: 21.229 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

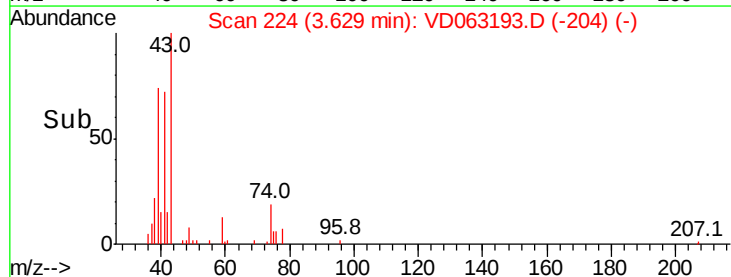
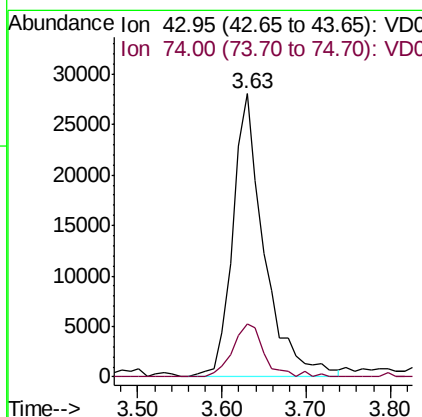
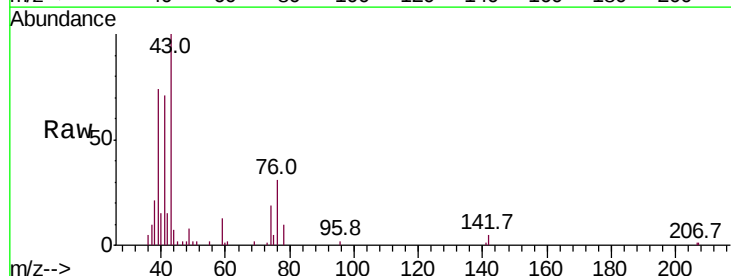
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

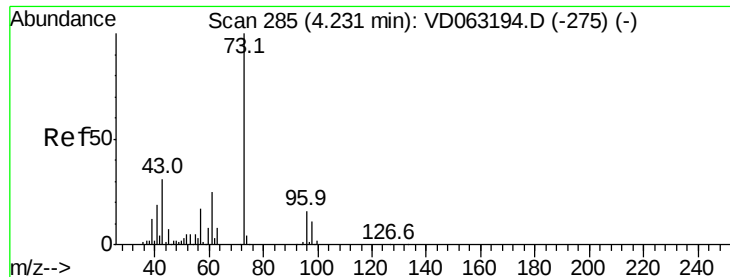
Tot Ion: 76 Resp: 459177
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 21.066 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 43 Resp: 72884
Ion Ratio Lower Upper
43 100
74 18.6 13.8 20.8



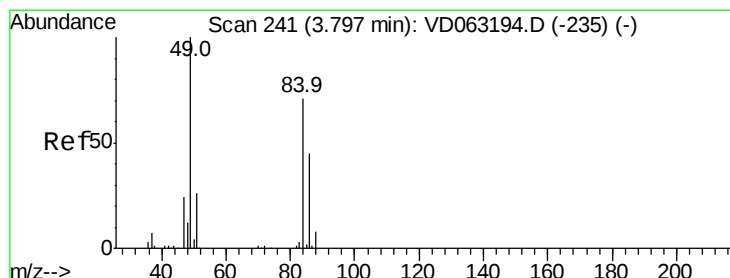
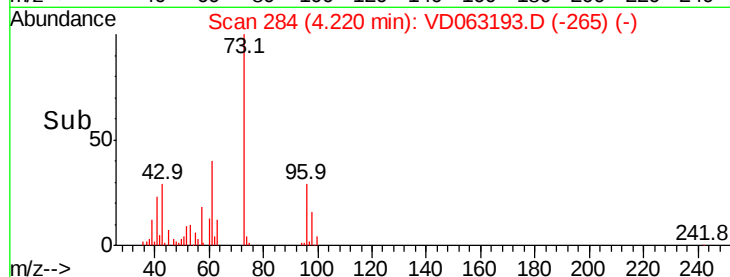
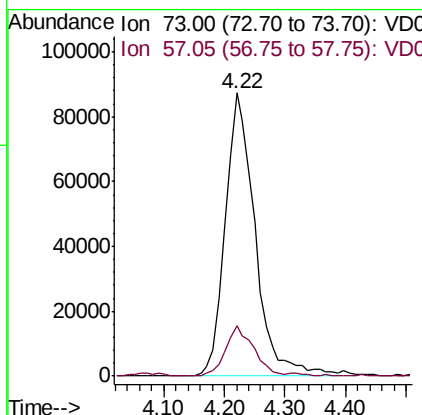
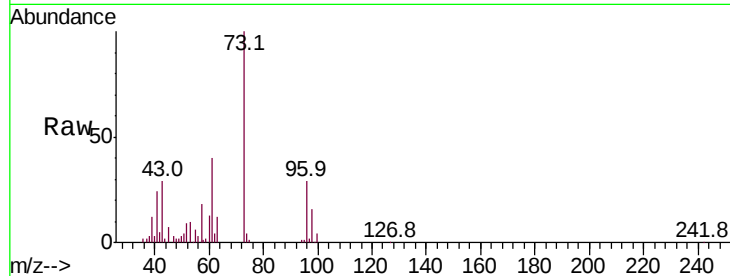


#19

Methyl tert-butyl Ether
 Concen: 20.490 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

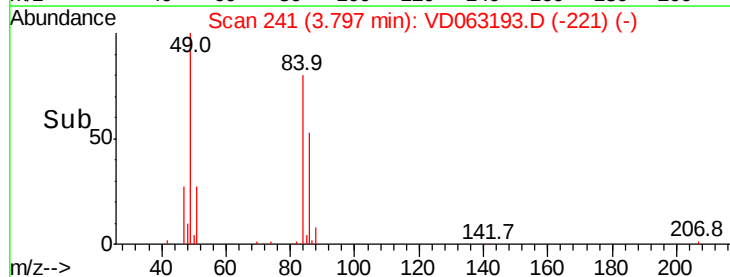
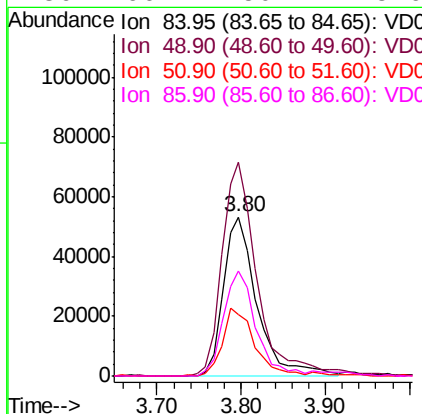
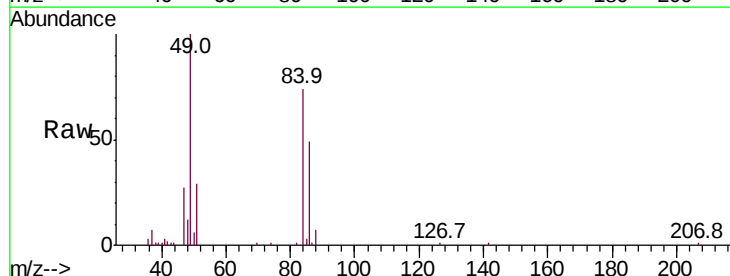
Tot Ion: 73 Resp: 299094
 Ion Ratio Lower Upper
 73 100
 57 17.9 13.8 20.6

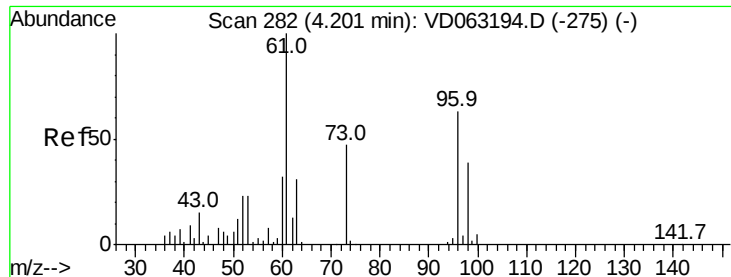


#20

Methylene Chloride
 Concen: 20.272 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion: 84 Resp: 147592
 Ion Ratio Lower Upper
 84 100
 49 134.6 112.5 168.7
 51 38.5 29.6 44.4
 86 66.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.258 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

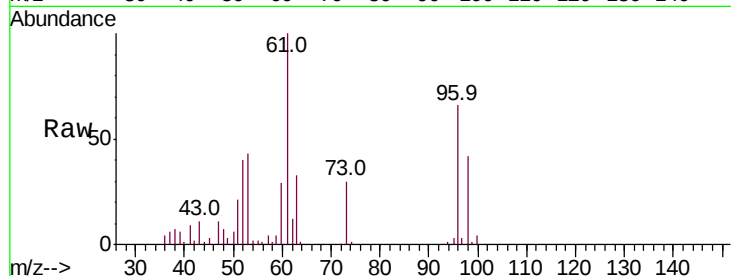
Tot Ion: 96 Resp: 154142

Ion Ratio Lower Upper

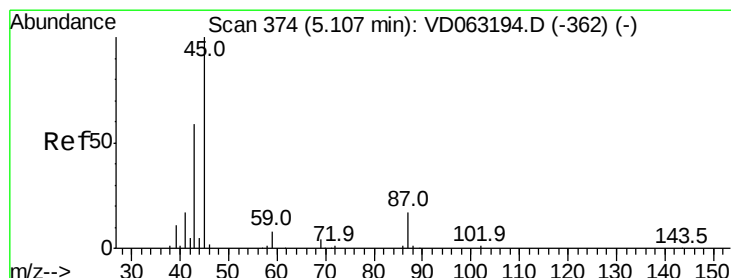
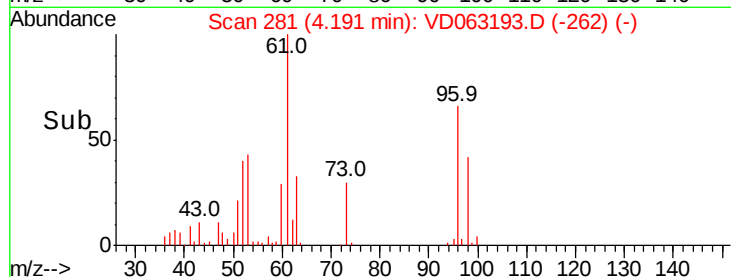
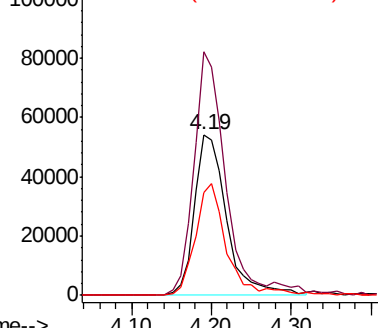
96 100

61 151.3 127.4 191.2

98 63.9 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: 21.369 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Tgt Ion: 45 Resp: 439938

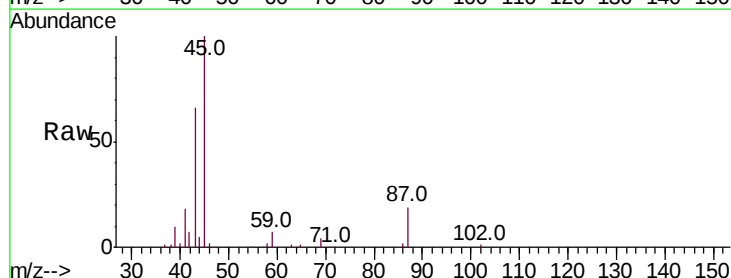
Ion Ratio Lower Upper

45 100

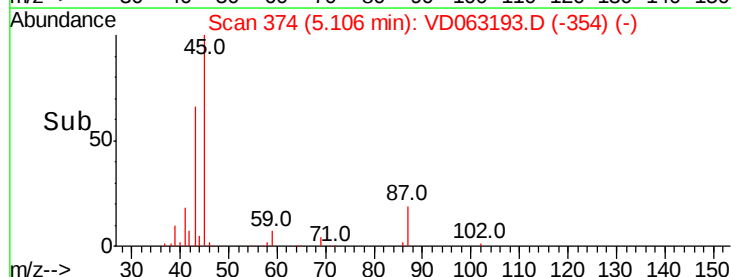
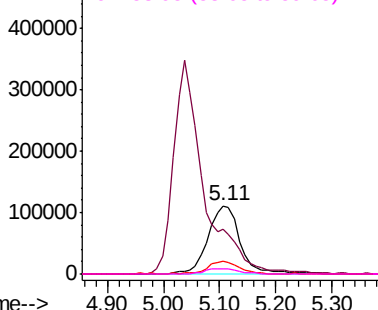
43 65.9 51.7 77.5

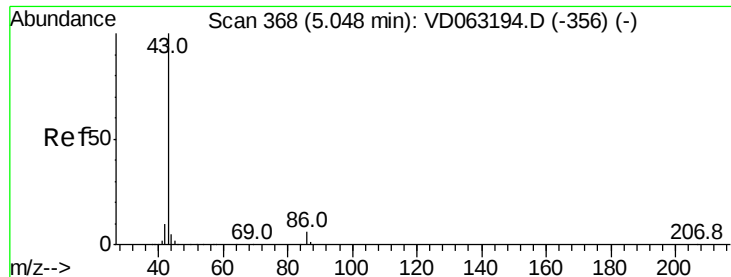
87 19.1 14.6 21.8

59 7.2 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: 103.829 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

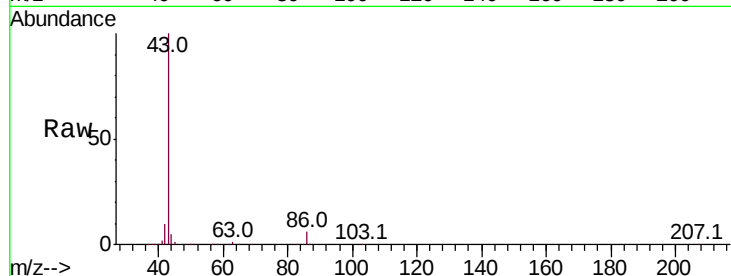
VSTDIC020

Tot Ion: 43 Resp: 1312684

Ion Ratio Lower Upper

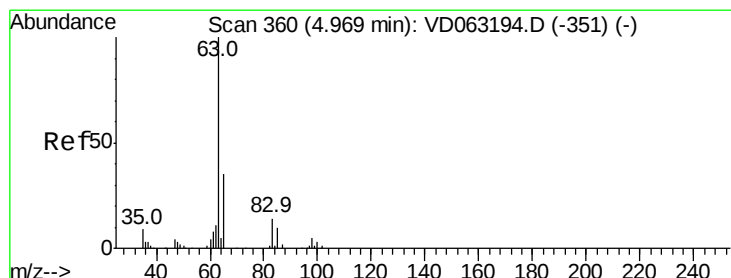
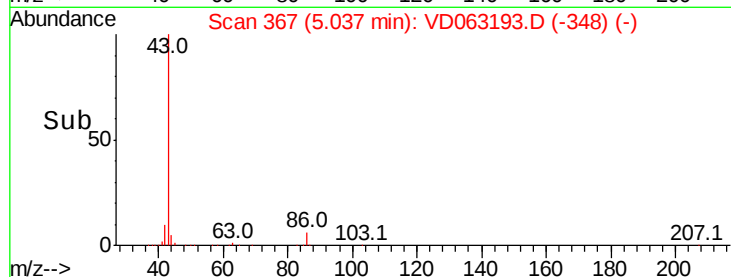
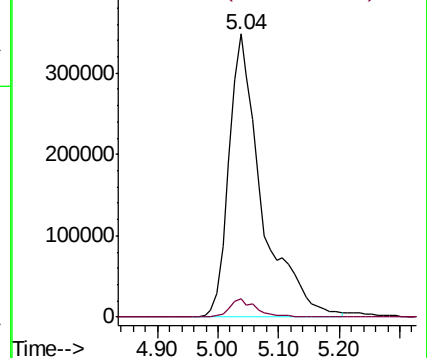
43 100

86 6.5 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: 20.851 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

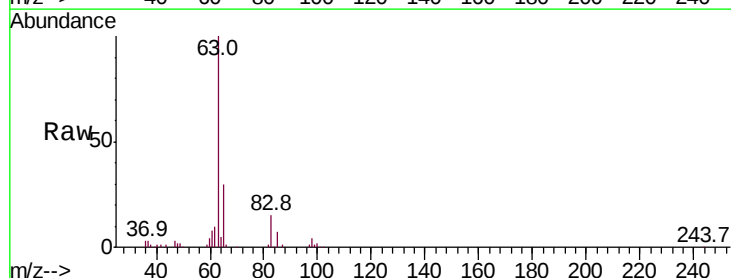
Tgt Ion: 63 Resp: 273934

Ion Ratio Lower Upper

63 100

98 3.8 2.8 8.4

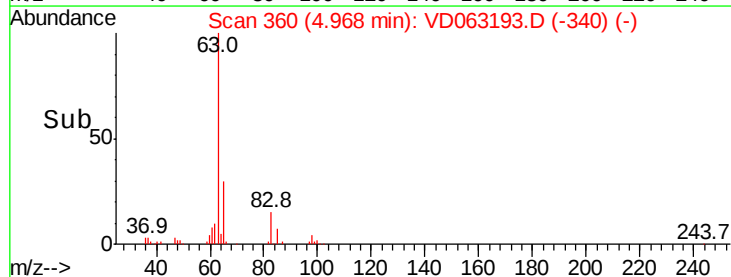
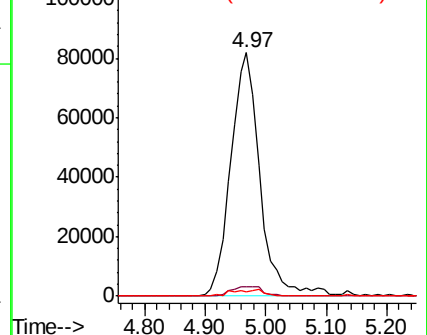
100 1.7 1.3 3.9

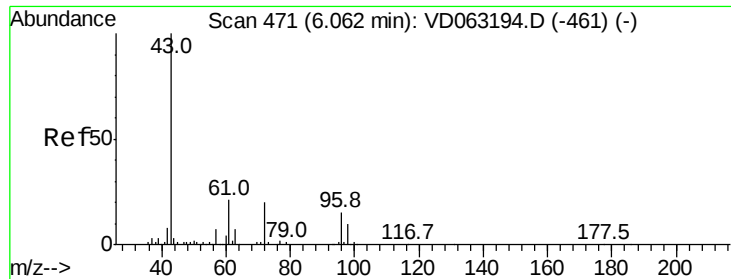


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.312 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

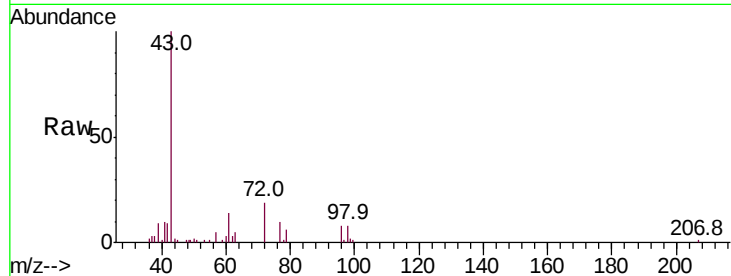
VSTDIC020

Tot Ion: 43 Resp: 175906

Ion Ratio Lower Upper

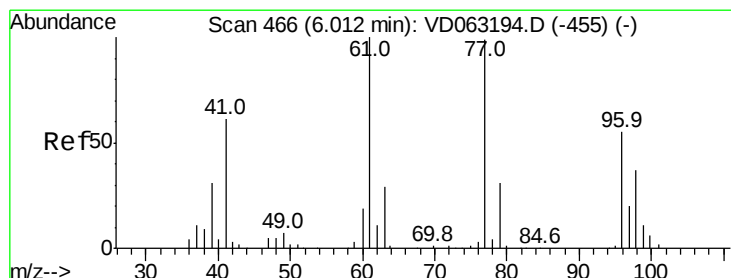
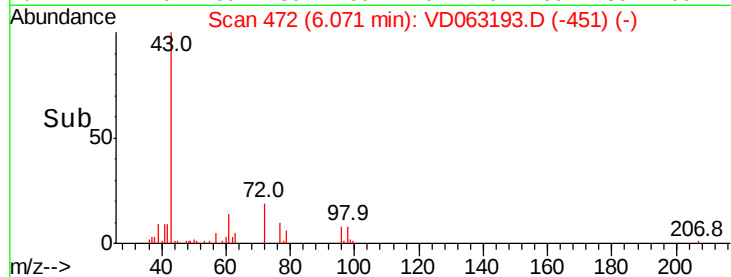
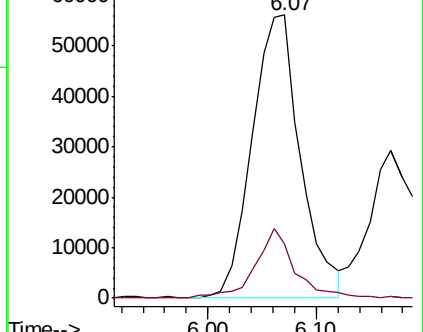
43 100

72 19.0 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: 21.270 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063193.D

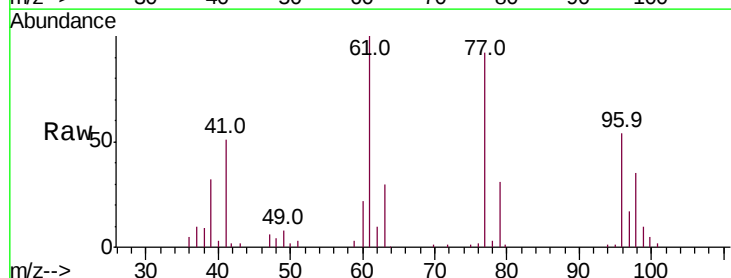
Acq: 29 Jul 2019 12:09

Tgt Ion: 77 Resp: 287963

Ion Ratio Lower Upper

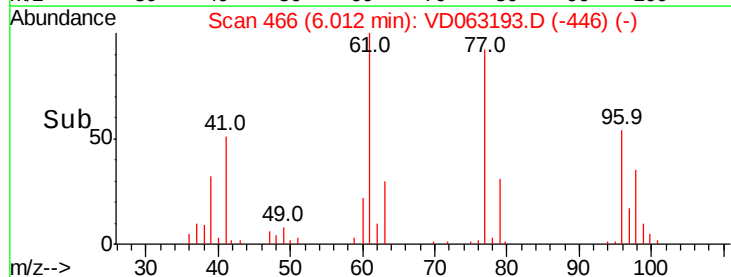
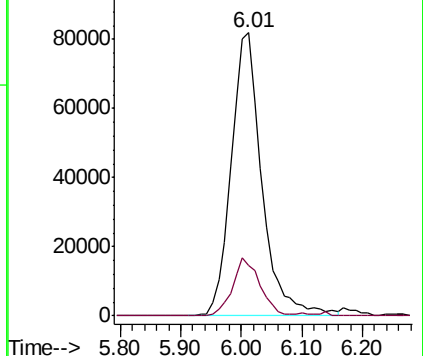
77 100

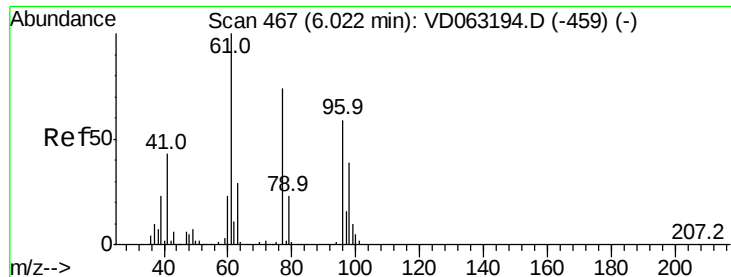
97 18.0 10.2 30.6



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: 21.046 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

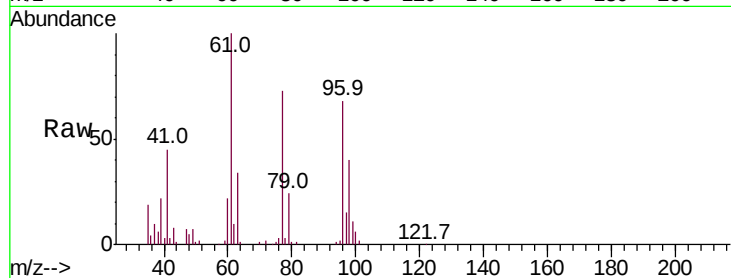
Tot Ion: 96 Resp: 163610

Ion Ratio Lower Upper

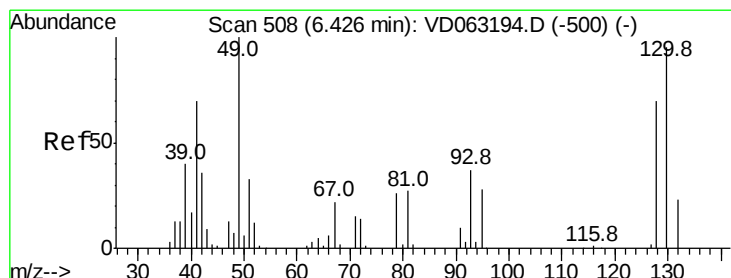
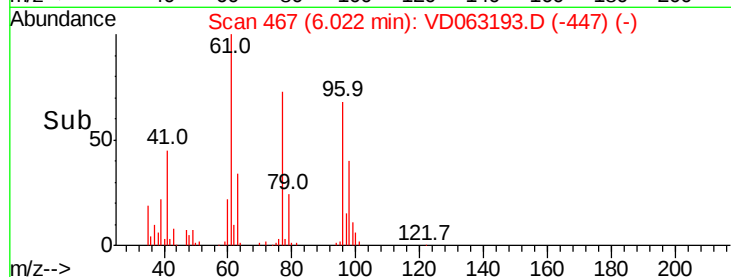
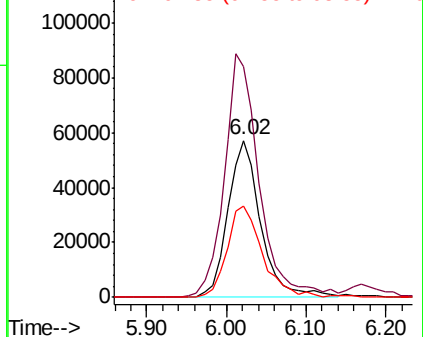
96 100

61 147.6 0.0 337.2

98 58.5 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: 22.771 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

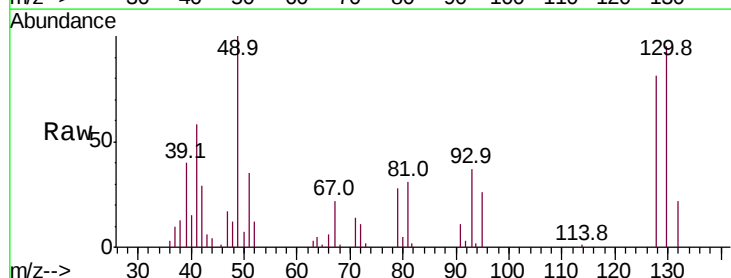
Tgt Ion: 49 Resp: 119406

Ion Ratio Lower Upper

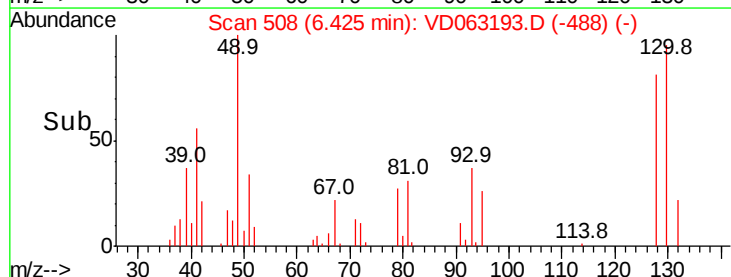
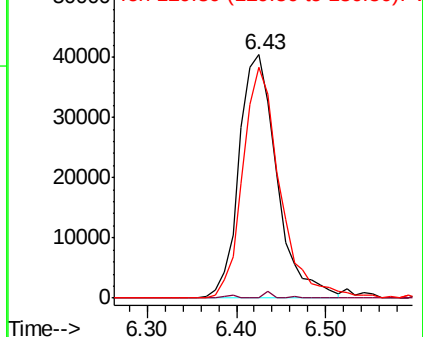
49 100

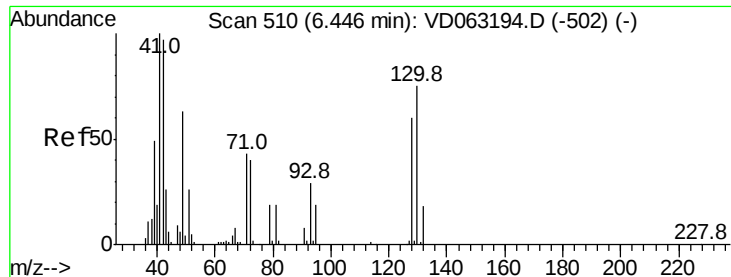
129 0.0 0.0 0.0

130 95.1 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: 97.769 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

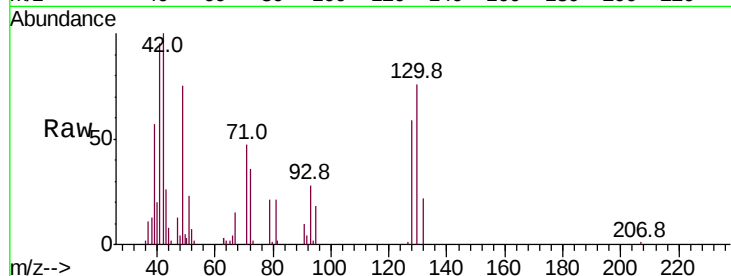
Tot Ion: 42 Resp: 83674

Ion Ratio Lower Upper

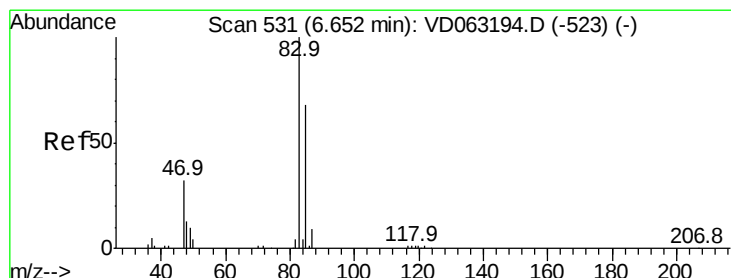
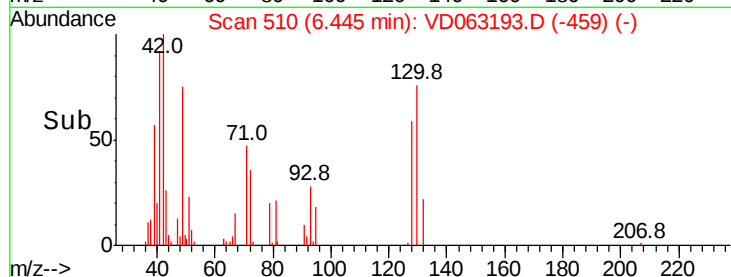
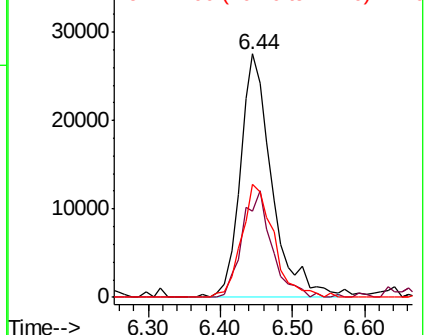
42 100

72 41.3 33.4 50.2

71 47.7 35.7 53.5



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



#30

Chloroform

Concen: 21.605 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063193.D

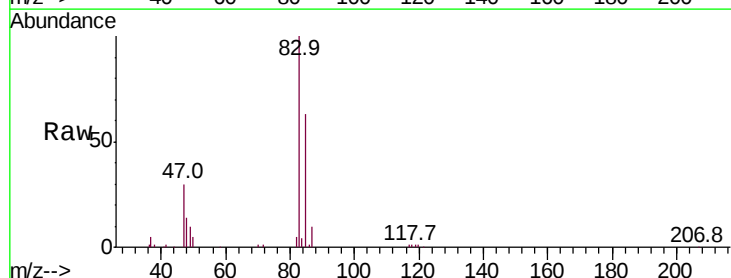
Acq: 29 Jul 2019 12:09

Tgt Ion: 83 Resp: 352236

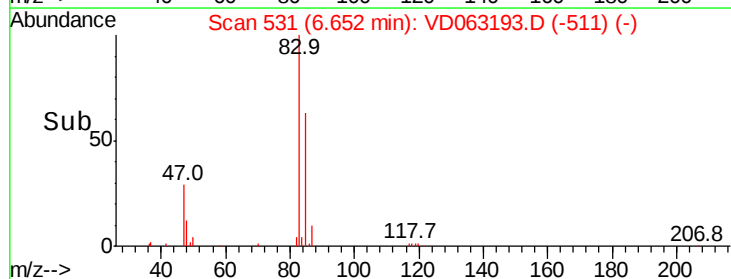
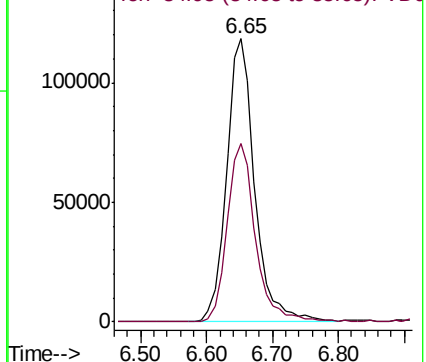
Ion Ratio Lower Upper

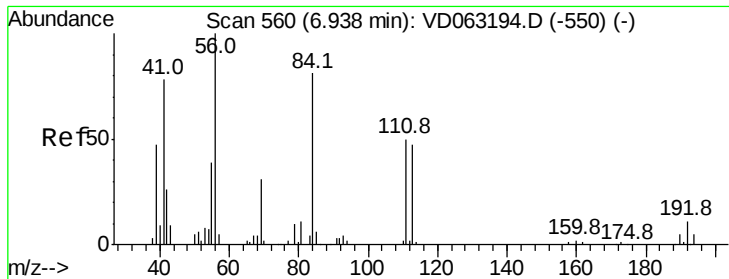
83 100

85 63.0 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: 20.686 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

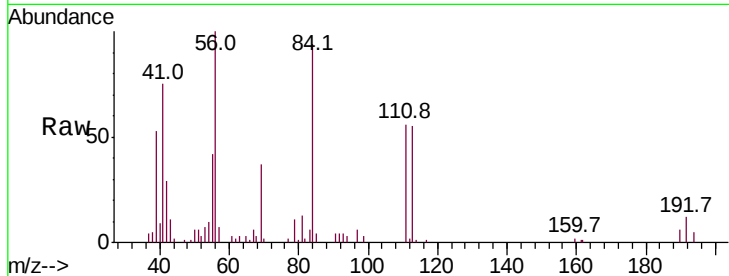
Tot Ion: 56 Resp: 170339

Ion Ratio Lower Upper

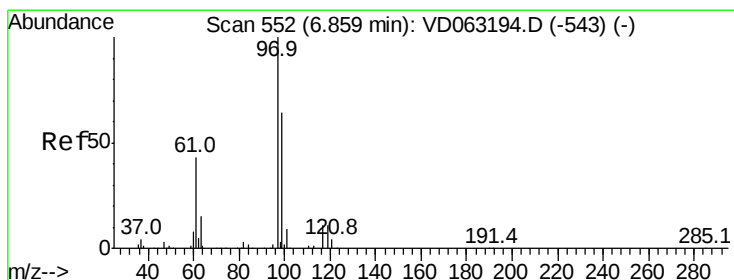
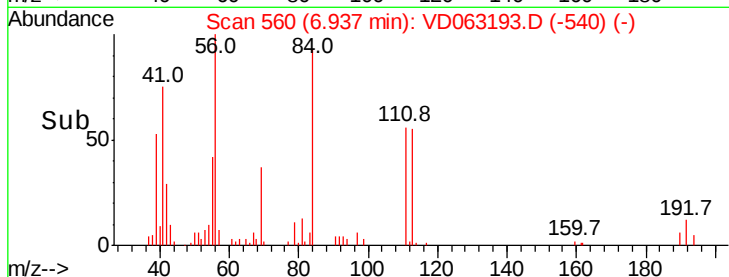
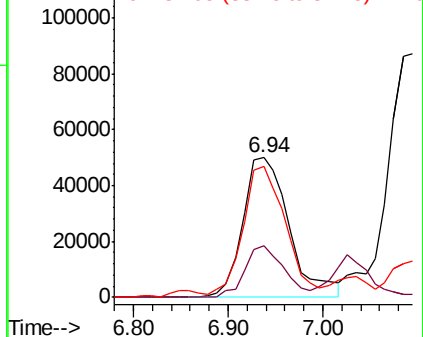
56 100

69 37.3 24.5 36.7#

84 93.5 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.969 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

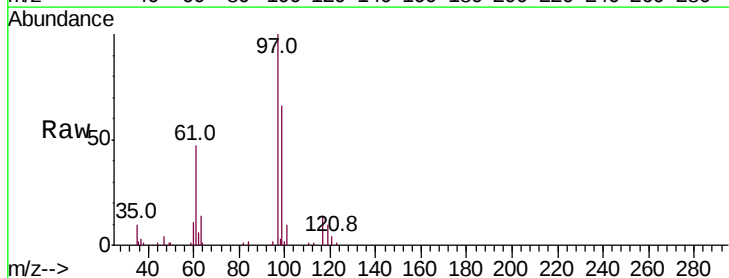
Tgt Ion: 97 Resp: 314913

Ion Ratio Lower Upper

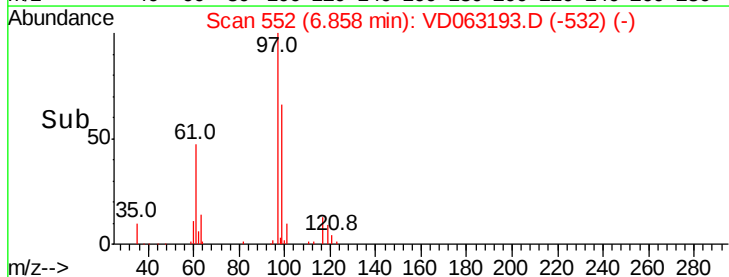
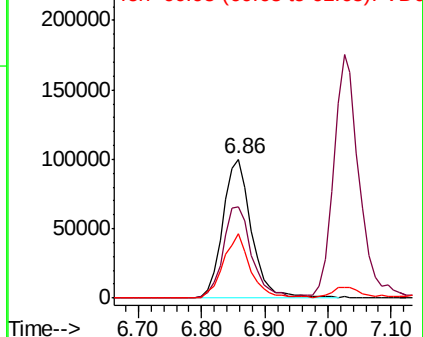
97 100

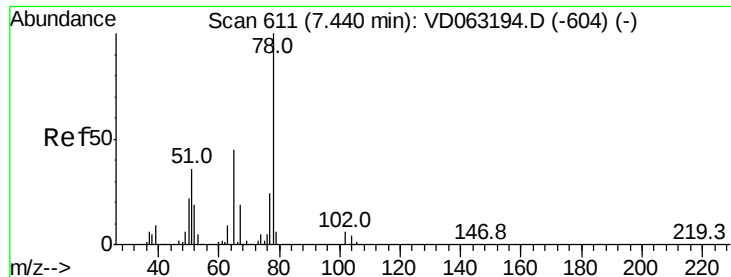
99 65.8 51.2 76.8

61 46.8 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.252 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

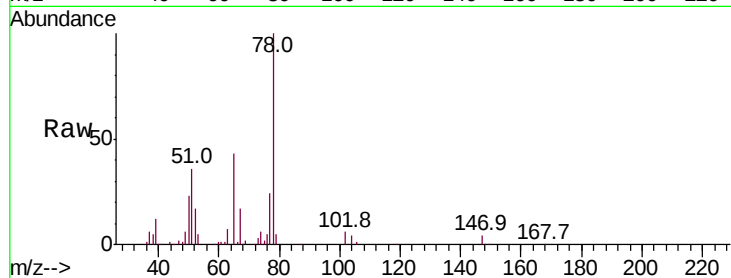
VSTDIC020

Tot Ion: 65 Resp: 187222

Ion Ratio Lower Upper

65 100

67 40.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

80000

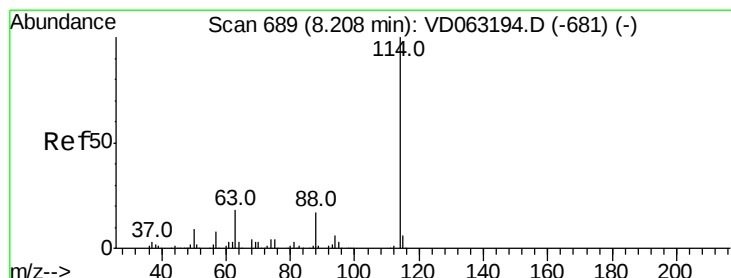
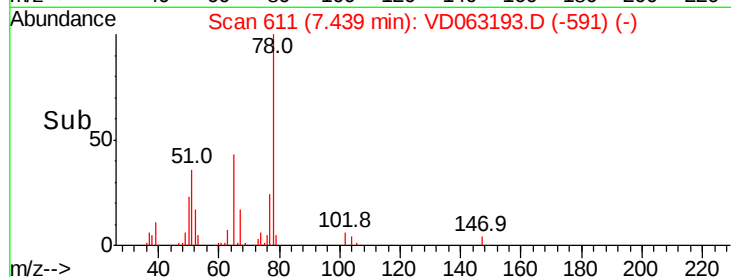
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

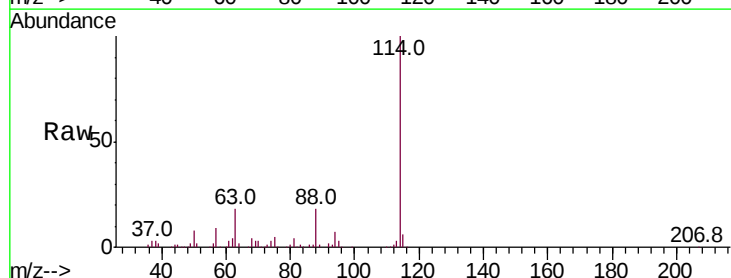
Tgt Ion: 114 Resp: 1232747

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 18.1 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

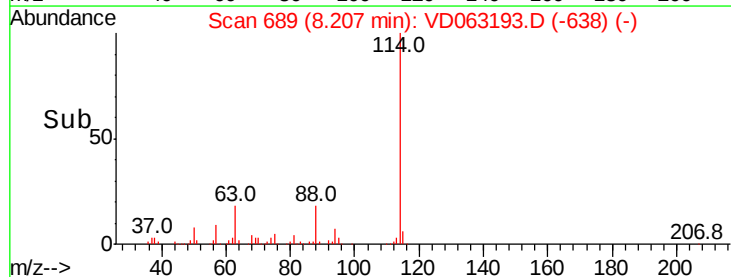
600000

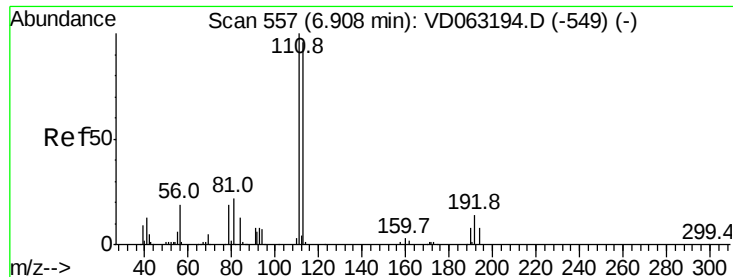
400000

200000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 20.417 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

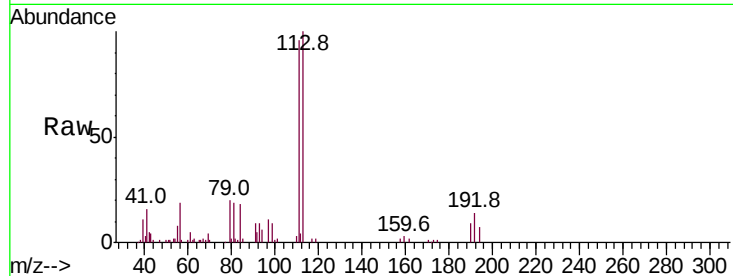
Tot Ion:113 Resp: 214885

Ion Ratio Lower Upper

113 100

111 96.2 83.2 124.8

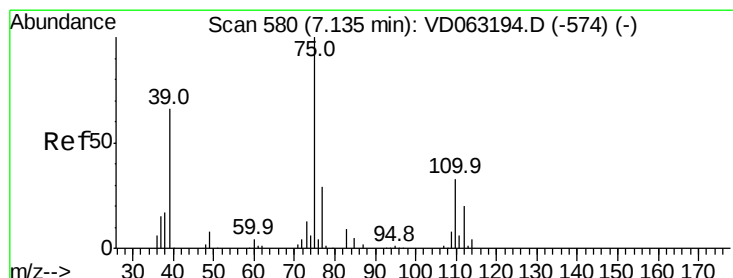
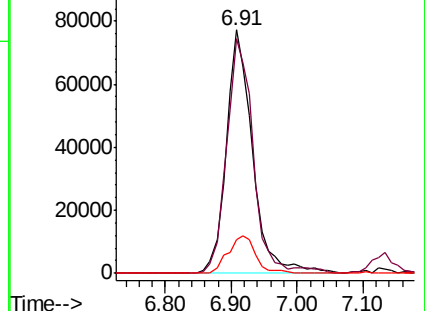
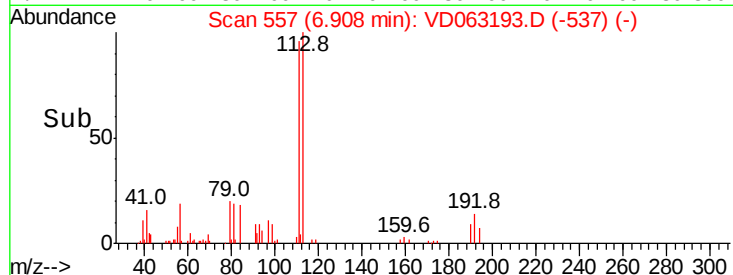
192 13.7 11.8 17.8



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: 20.020 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

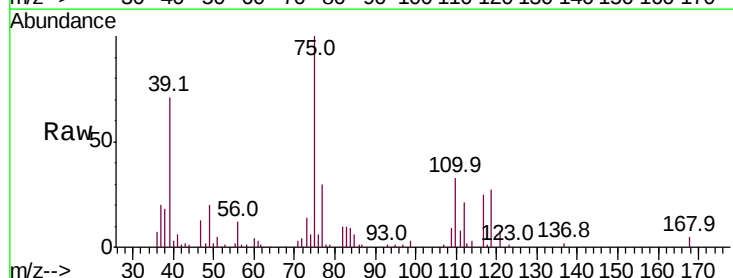
Tgt Ion: 75 Resp: 225234

Ion Ratio Lower Upper

75 100

110 32.8 16.1 48.2

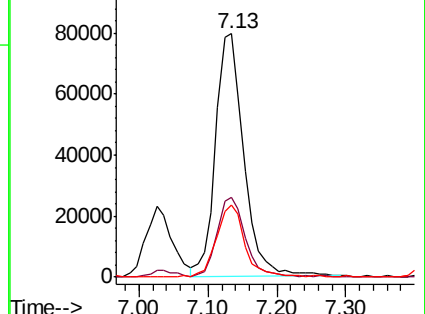
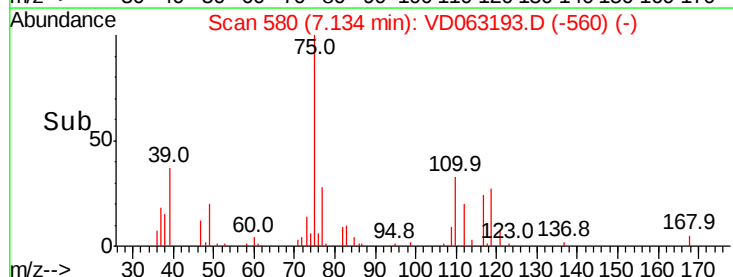
77 29.5 22.7 34.1

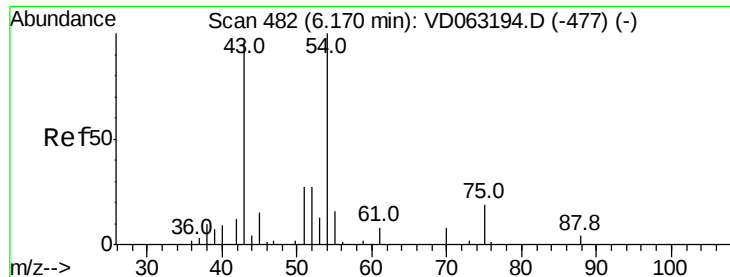


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 19.028 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

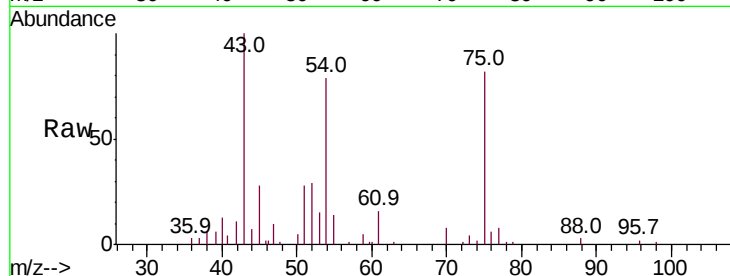
Tot Ion: 43 Resp: 95974

Ion Ratio Lower Upper

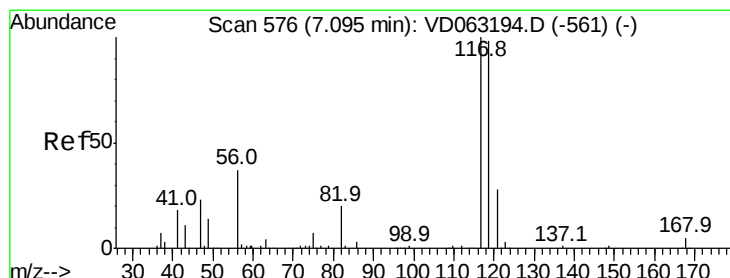
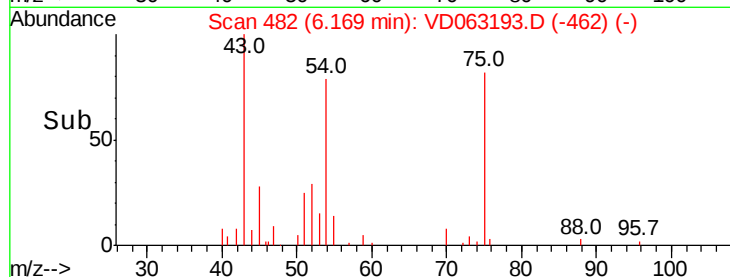
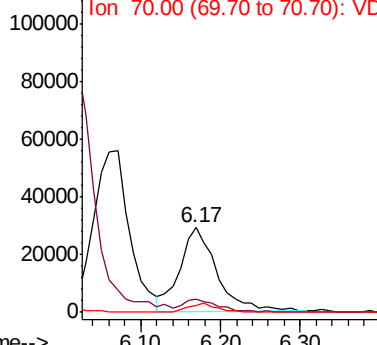
43 100

61 16.2 11.3 16.9

70 8.3 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.869 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

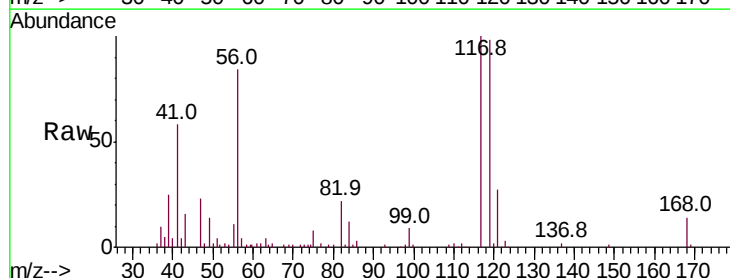
Tgt Ion: 117 Resp: 319583

Ion Ratio Lower Upper

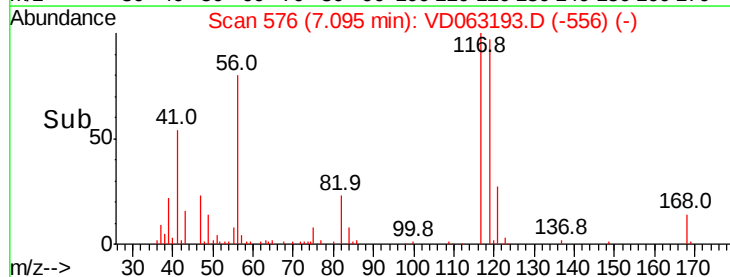
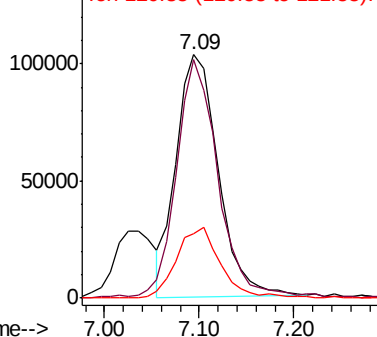
117 100

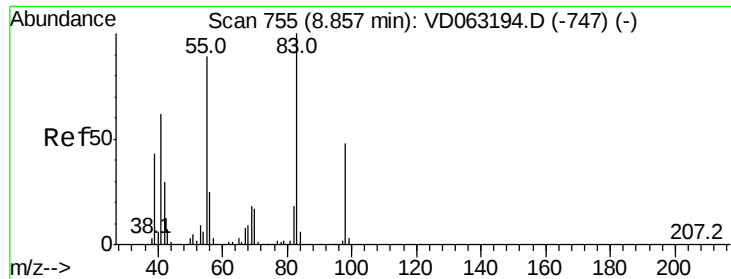
119 97.9 78.2 117.2

121 26.6 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

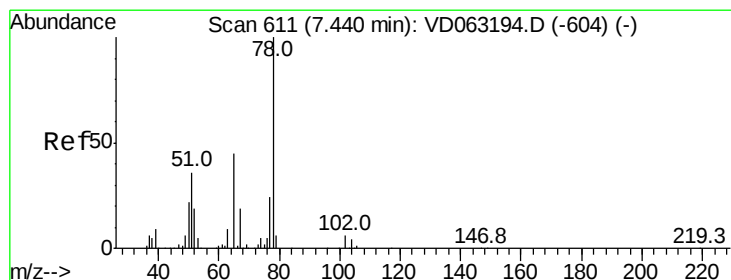
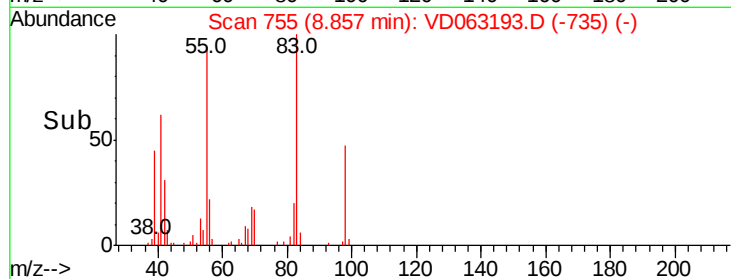
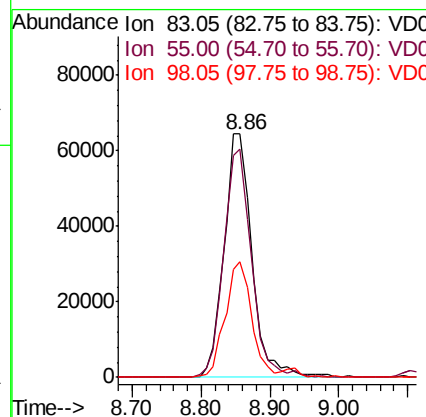
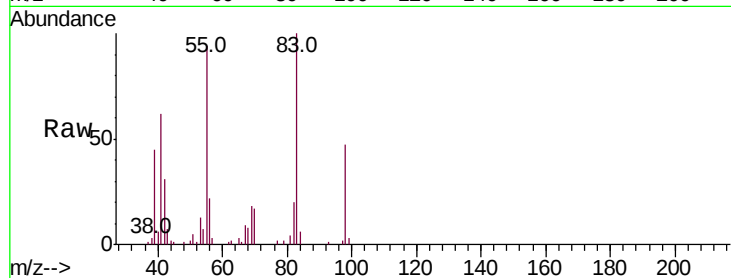




#39
Methvlcvclohexane
Concen: 19.341 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

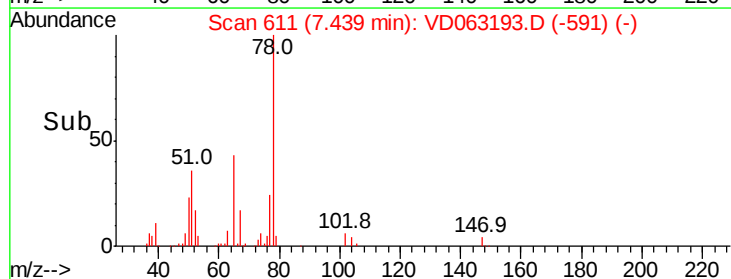
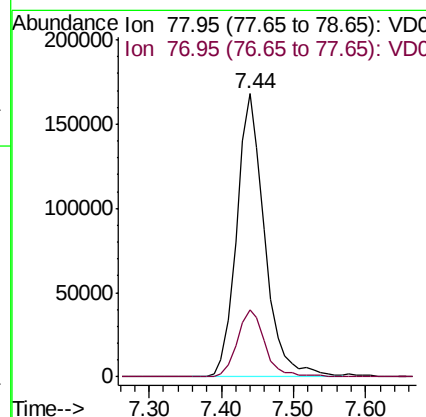
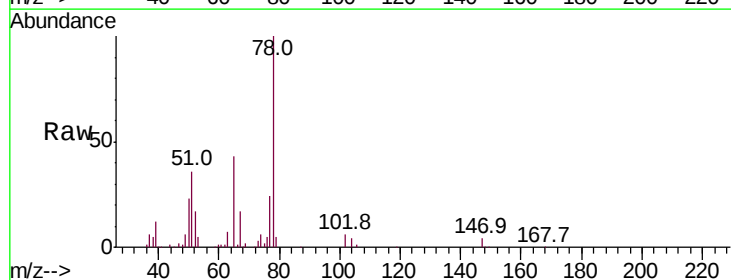
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

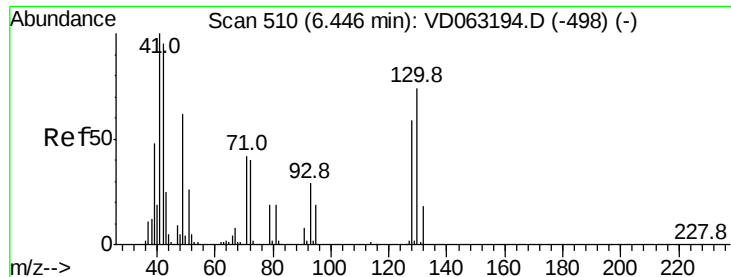
Tot Ion	83	Resp	181293
Ion Ratio	Lower	Upper	
83	100		
55	93.9	71.1	106.7
98	47.4	38.5	57.7



#40
Benzene
Concen: 19.251 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion	78	Resp	453914
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.4	29.2

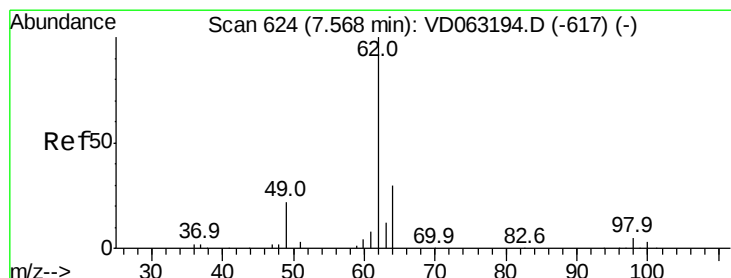
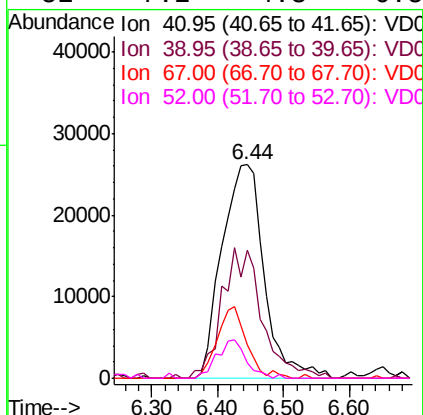
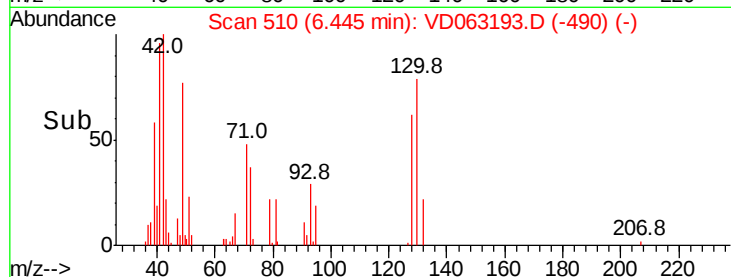
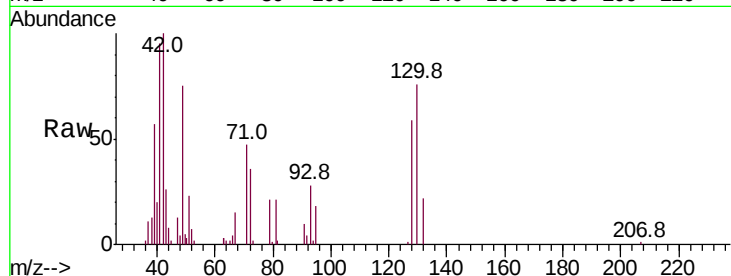




#41
Methacrylonitrile
Concen: 19.375 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

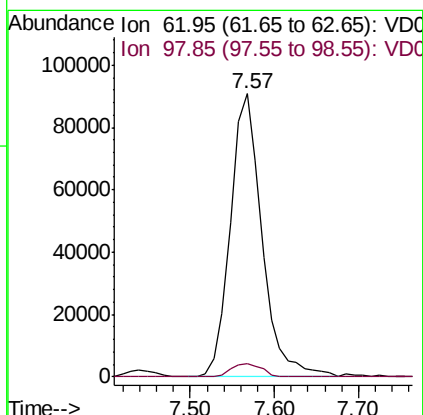
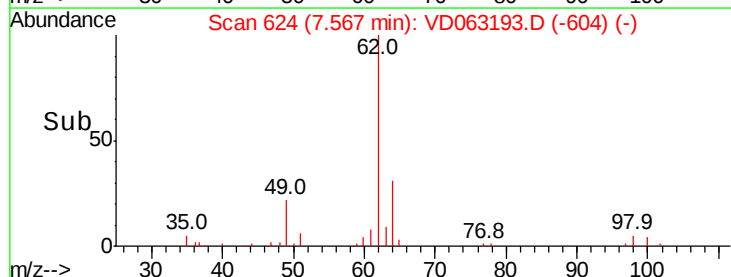
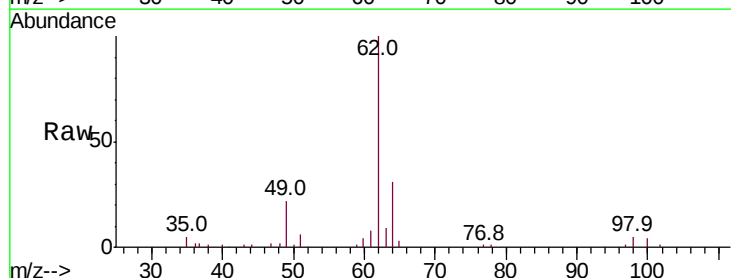
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

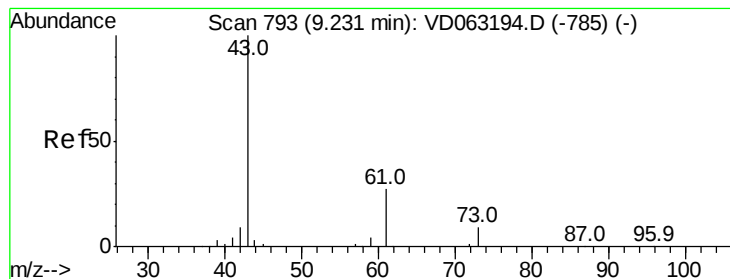
Tot Ion: 41 Resp: 117139
Ion Ratio Lower Upper
41 100
39 60.1 38.4 57.6#
67 15.3 6.7 10.1#
52 7.2 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 19.030 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 62 Resp: 237801
Ion Ratio Lower Upper
62 100
98 4.9 0.0 9.8





#43

Isopropyl Acetate

Concen: 20.536 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

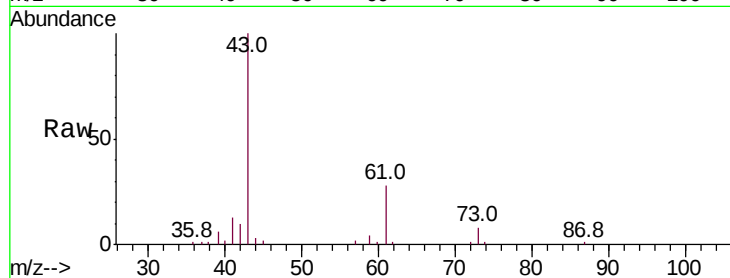
Tot Ion: 43 Resp: 132589

Ion Ratio Lower Upper

43 100

61 28.0 21.4 32.0

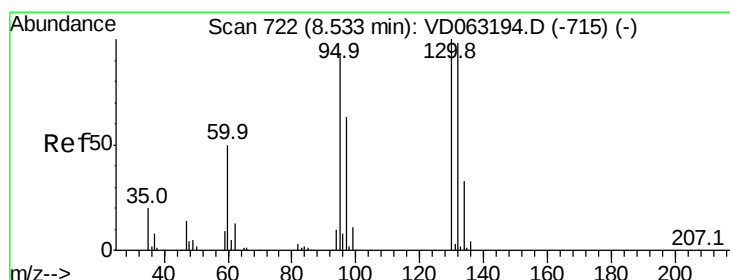
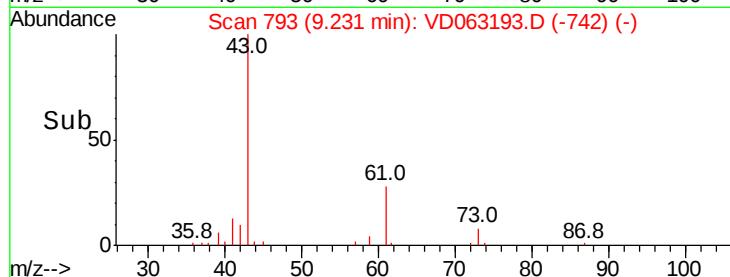
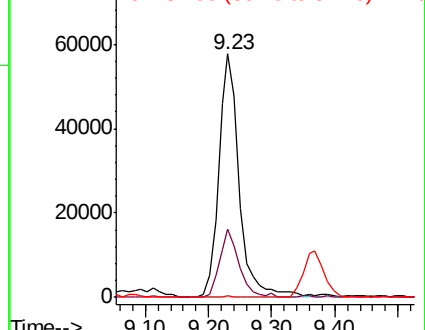
87 0.7 0.2 0.4#



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: 18.950 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063193.D

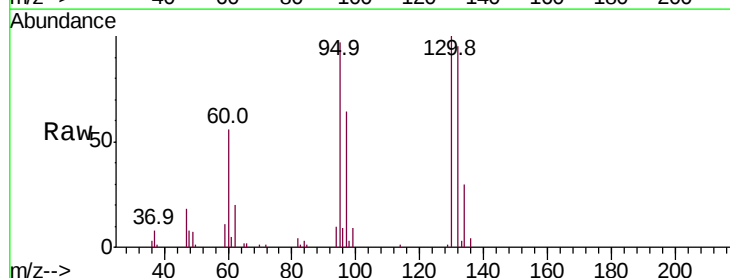
Acq: 29 Jul 2019 12:09

Tgt Ion:130 Resp: 181056

Ion Ratio Lower Upper

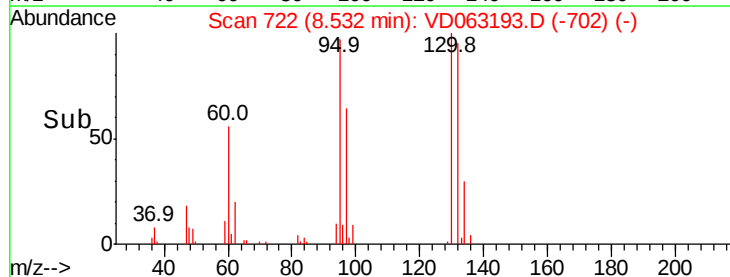
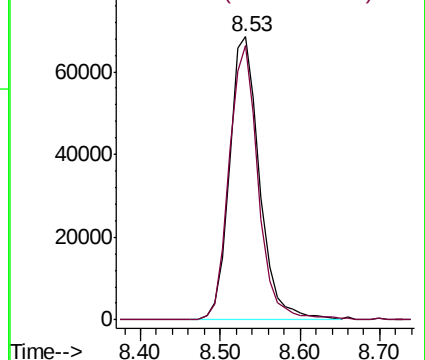
130 100

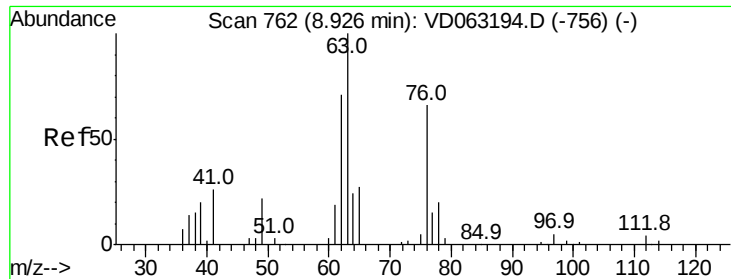
95 97.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.467 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

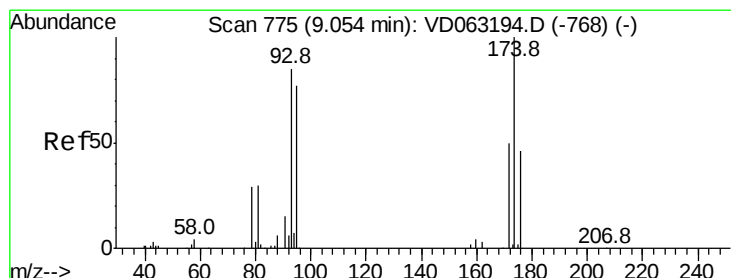
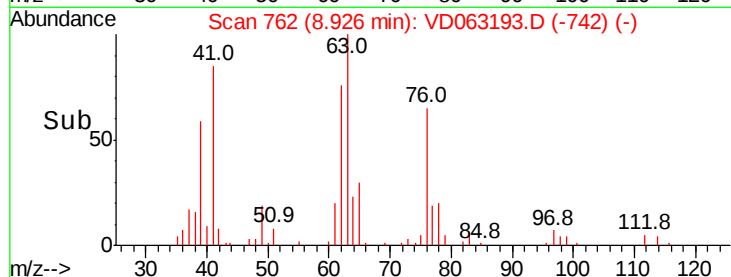
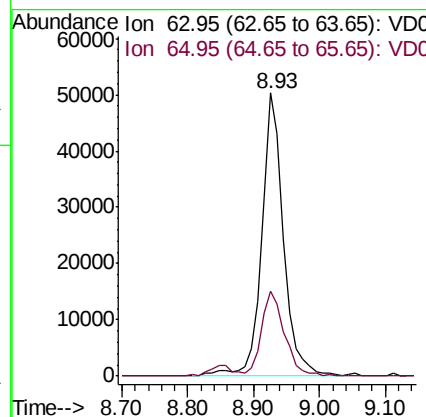
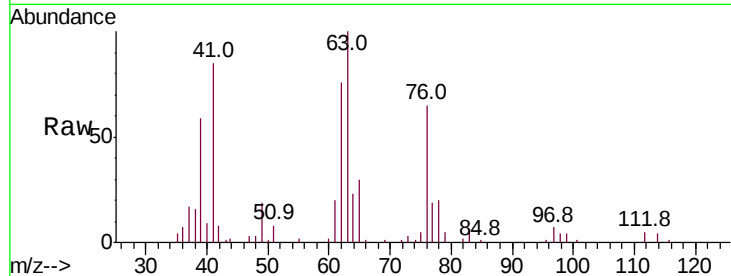
VSTDIC020

Tot Ion: 63 Resp: 116666

Ion Ratio Lower Upper

63 100

65 30.2 23.6 35.4



#46

Dibromomethane

Concen: 18.936 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

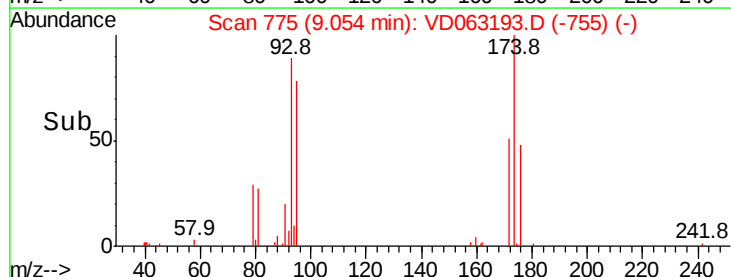
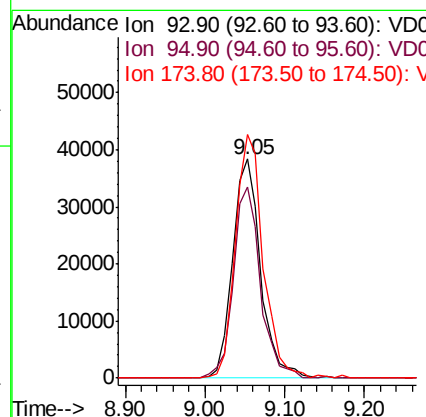
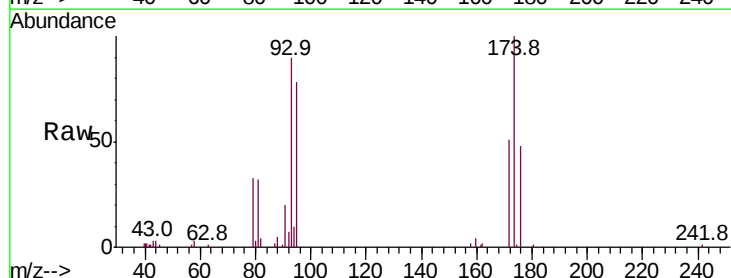
Tgt Ion: 93 Resp: 94360

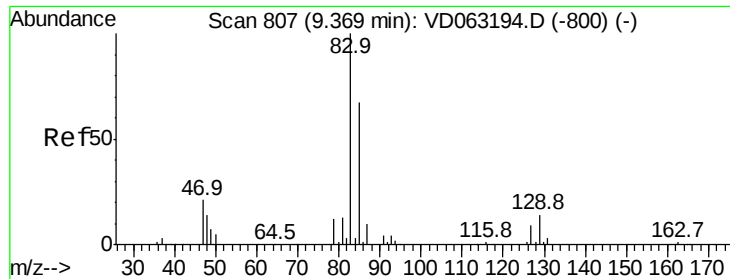
Ion Ratio Lower Upper

93 100

95 87.0 72.8 109.2

174 111.1 94.4 141.6

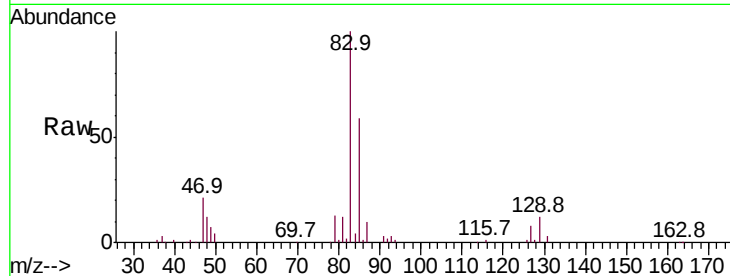




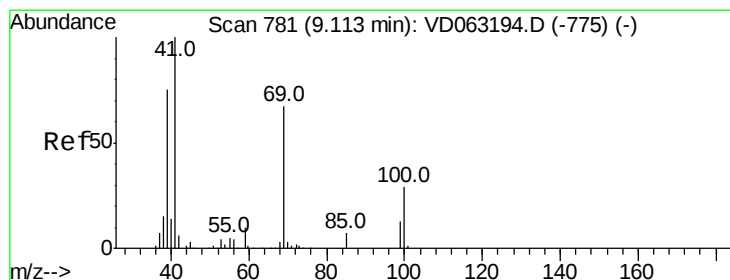
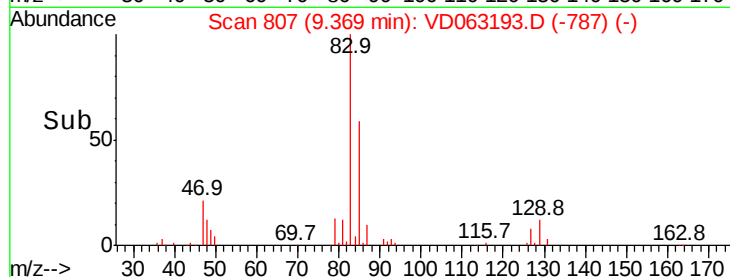
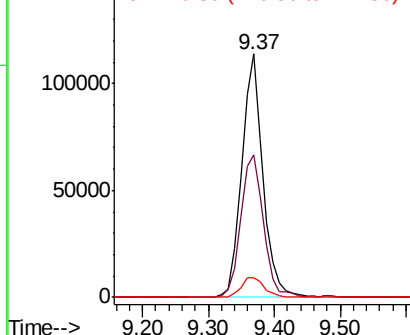
#47
Bromodichloromethane
Concen: 20.229 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 256959
Ion Ratio Lower Upper
83 100
85 58.6 53.6 80.4
127 7.9 7.2 10.8

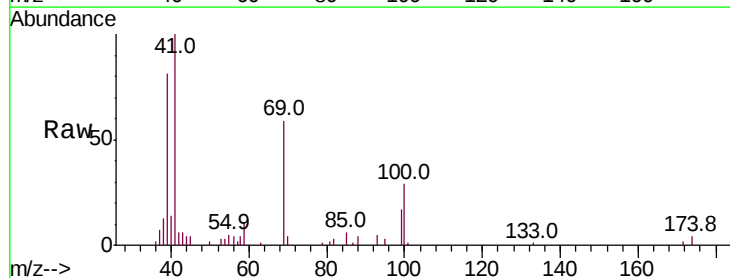


Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC

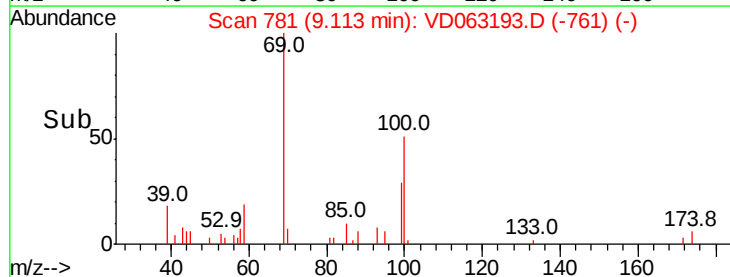
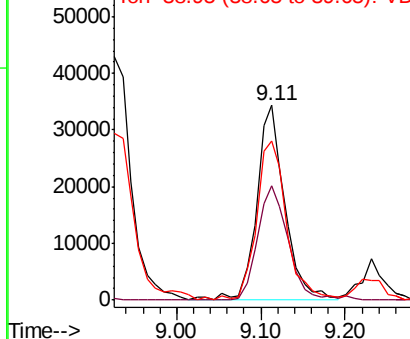


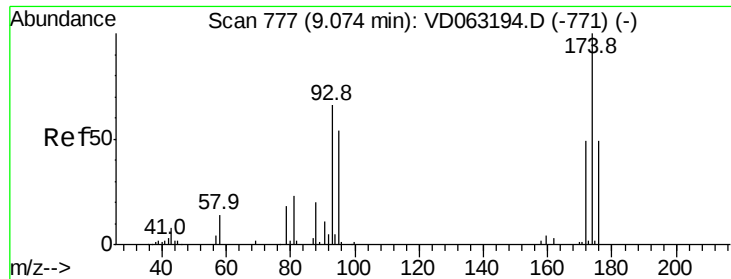
#48
Methyl methacrylate
Concen: 19.225 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 41 Resp: 80504
Ion Ratio Lower Upper
41 100
69 58.8 53.4 80.0
39 81.4 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

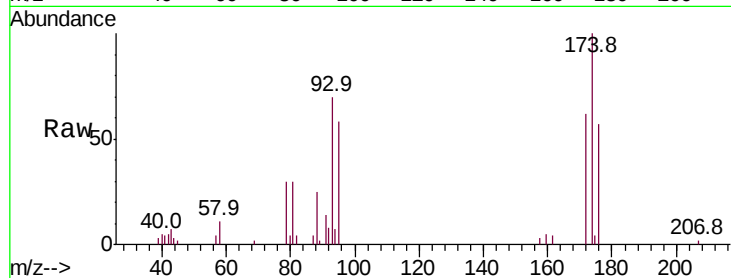




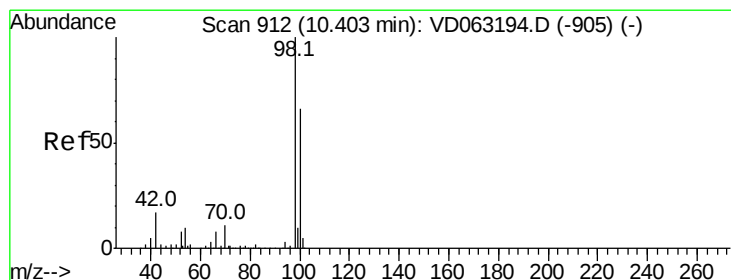
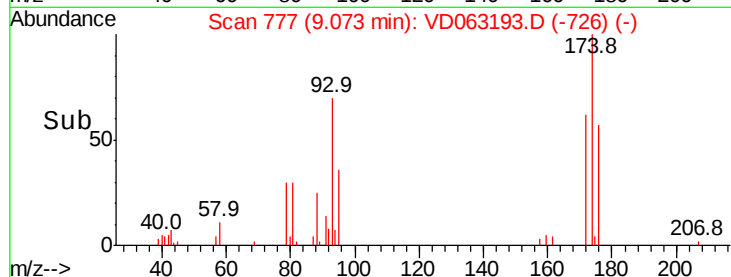
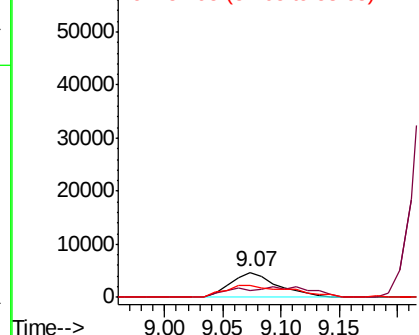
#49
1,4-Dioxane
Concen: 382.092 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 13237
Ion Ratio Lower Upper
88 100
43 39.5 30.7 46.1
58 45.6 56.5 84.7#

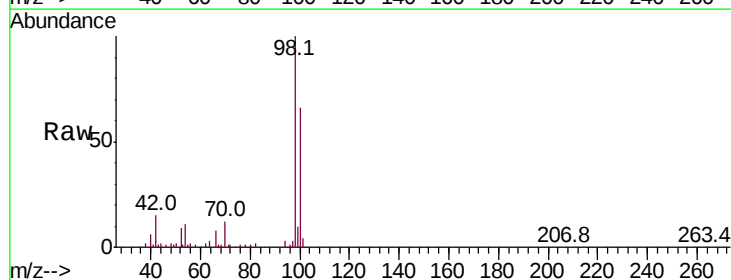


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

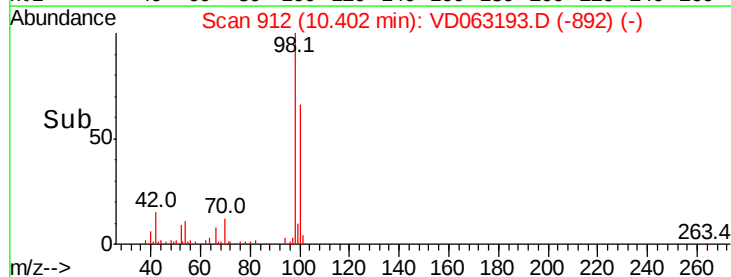
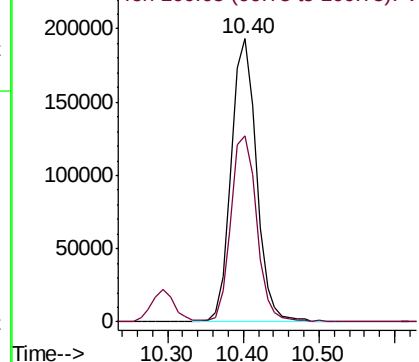


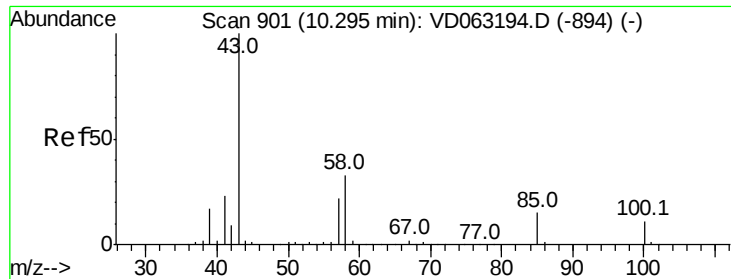
#50
Toluene-d8
Concen: 18.875 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 98 Resp: 444596
Ion Ratio Lower Upper
98 100
100 65.8 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: 101.198 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

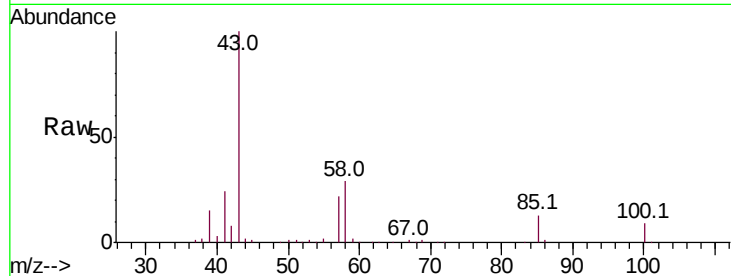
VSTDIC020

Tot Ion: 43 Resp: 444348

Ion Ratio Lower Upper

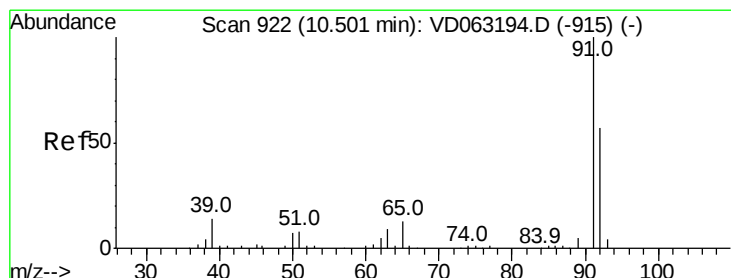
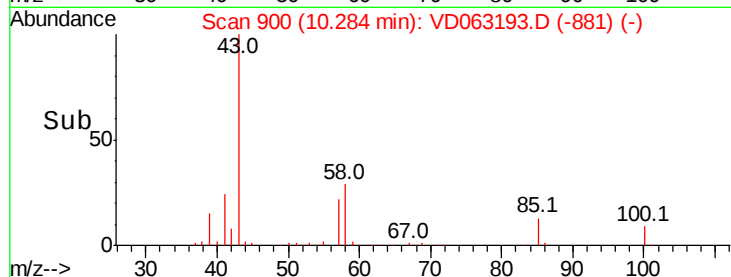
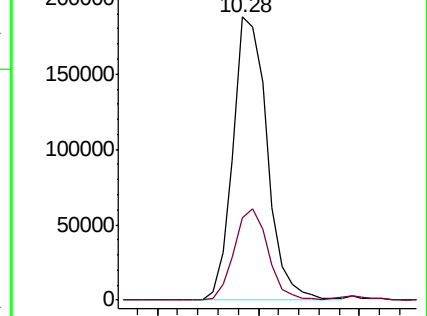
43 100

58 29.2 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: 20.360 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063193.D

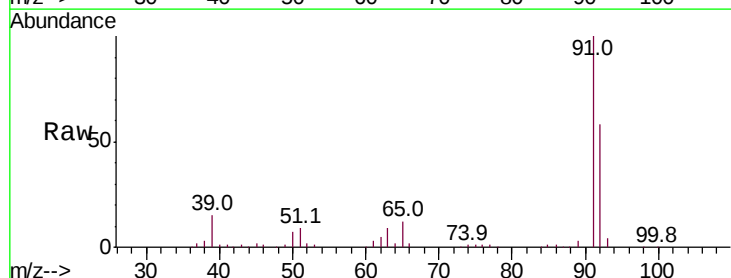
Acq: 29 Jul 2019 12:09

Tgt Ion: 92 Resp: 319290

Ion Ratio Lower Upper

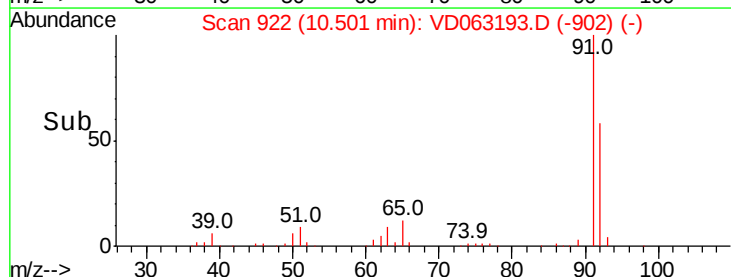
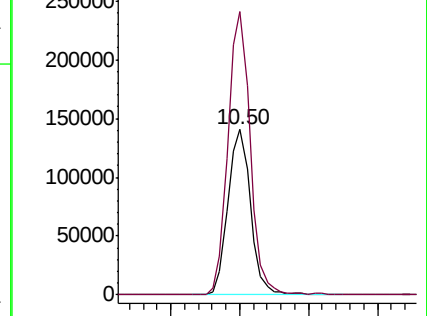
92 100

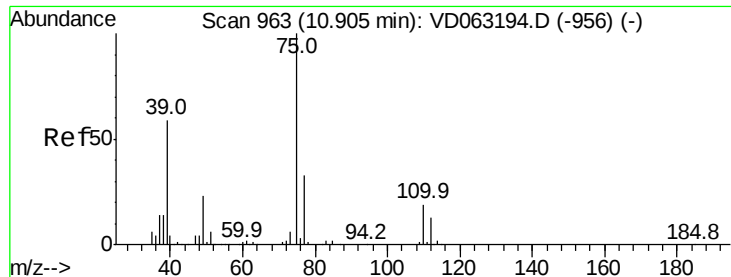
91 171.2 140.8 211.2



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: 20.695 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

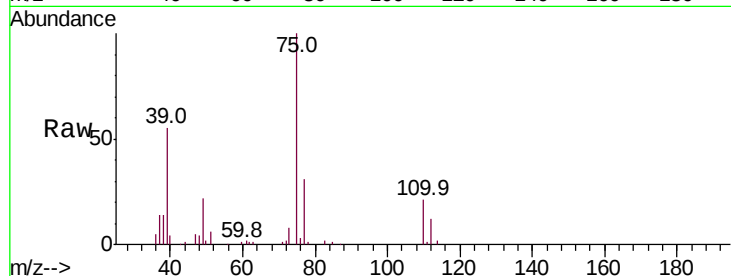
VSTDIC020

Tot Ion: 75 Resp: 226635

Ion Ratio Lower Upper

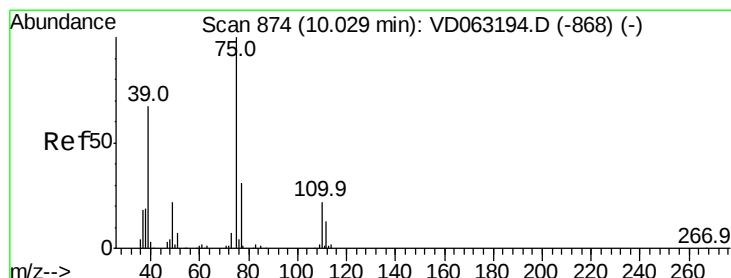
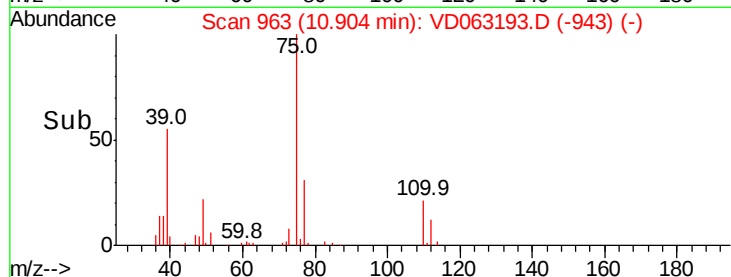
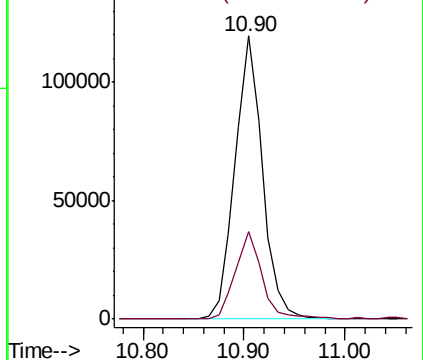
75 100

77 31.1 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.383 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

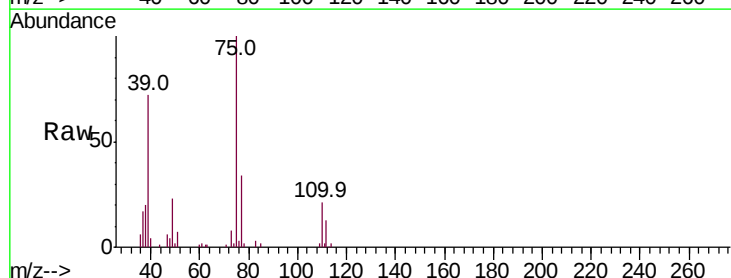
Tgt Ion: 75 Resp: 223094

Ion Ratio Lower Upper

75 100

77 34.5 24.9 37.3

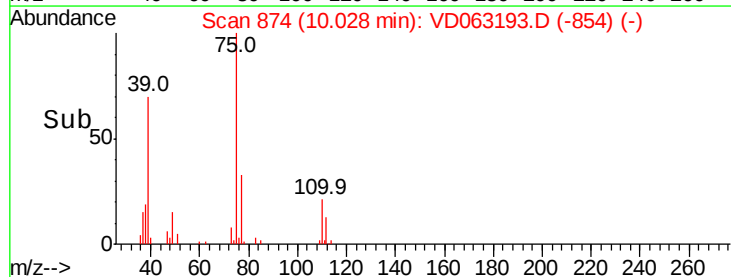
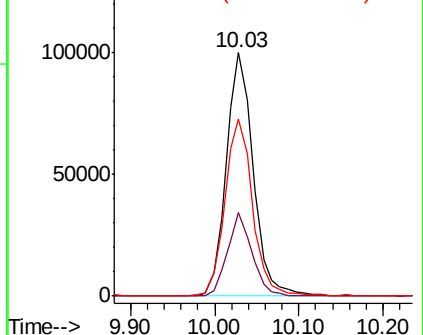
39 72.5 53.9 80.9

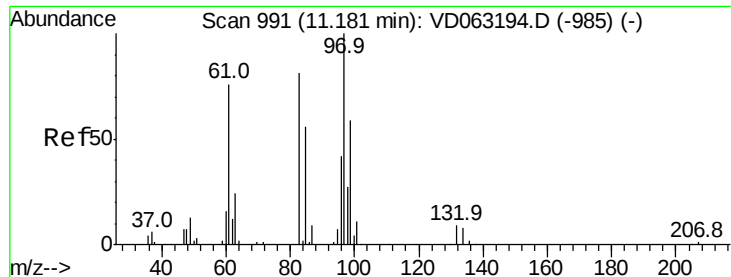


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

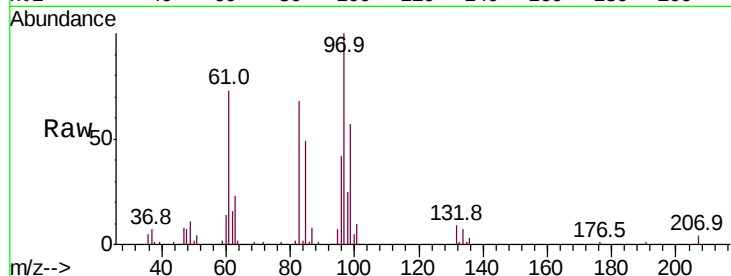




#55
 1,1,2-Trichloroethane
 Concen: 20.951 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	68.3	64.8	97.2
85	49.3	44.9	67.3
99	56.6	47.2	70.8



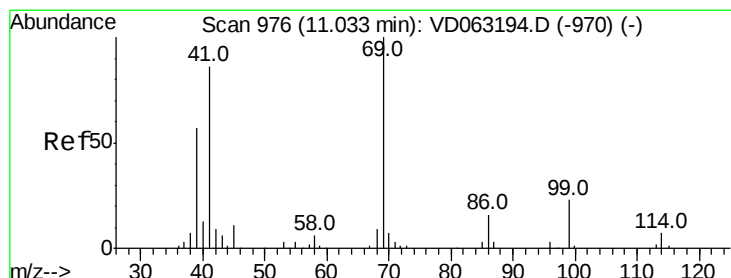
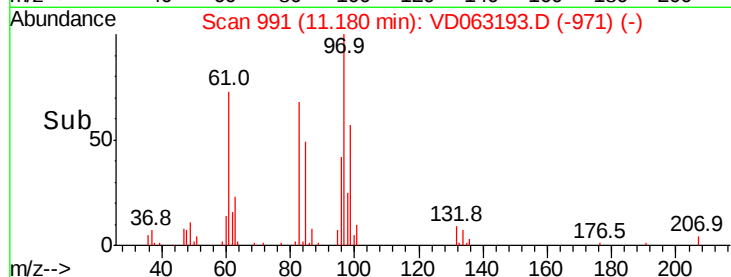
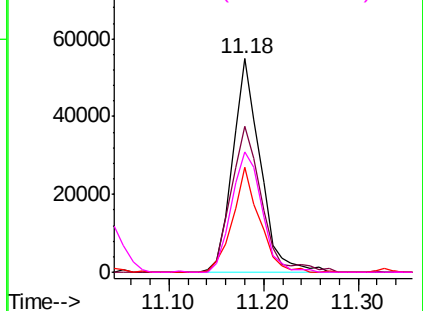
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

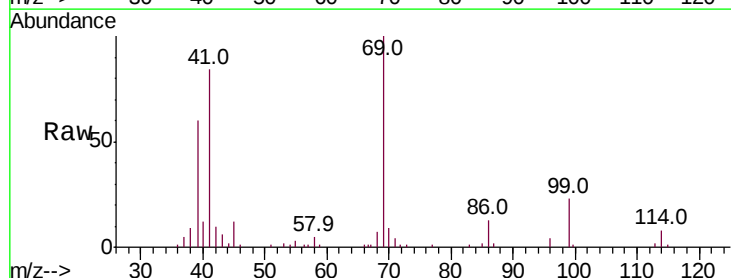
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 20.162 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	83.9	68.8	103.2
39	59.6	45.8	68.8

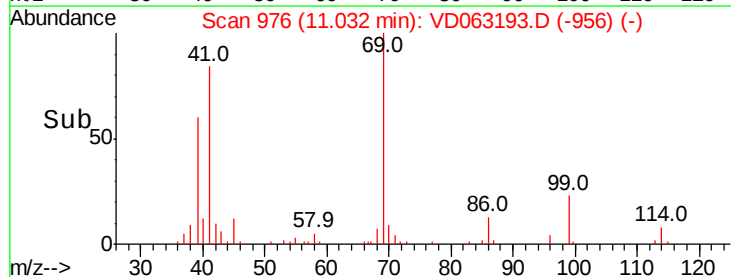
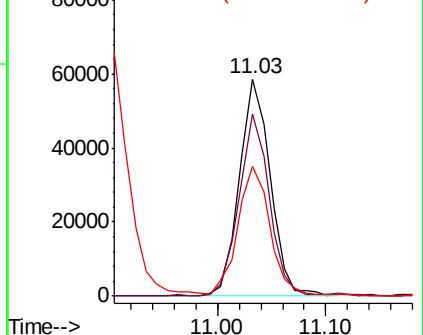


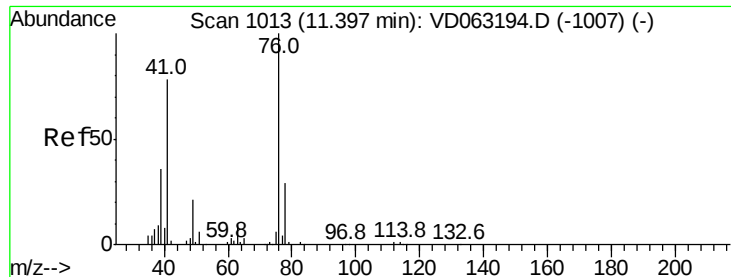
Abundance

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: 18.302 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

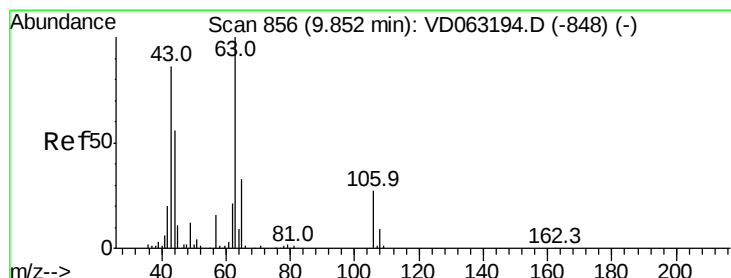
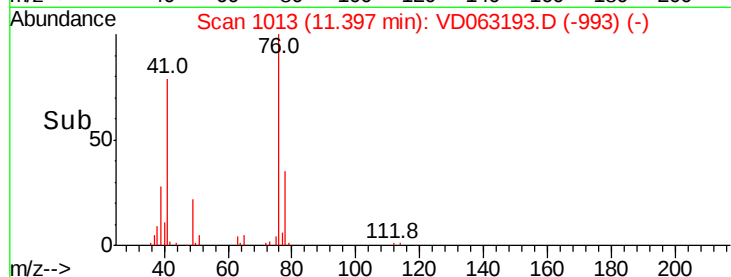
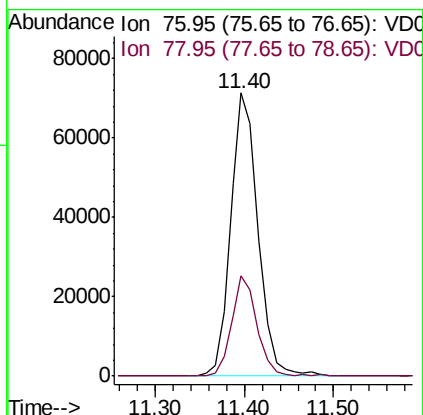
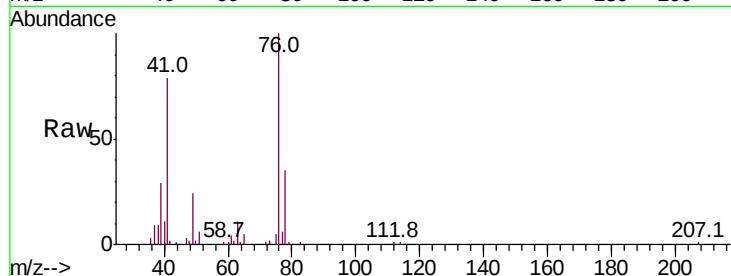
VSTDIC020

Tot Ion: 76 Resp: 152726

Ion Ratio Lower Upper

76 100

78 35.4 23.4 35.0#



#58

2-Chloroethyl Vinyl ether

Concen: 108.584 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063193.D

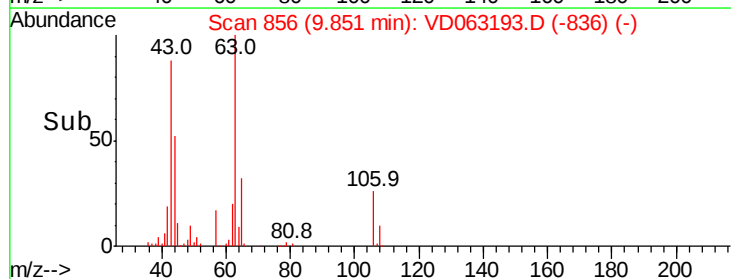
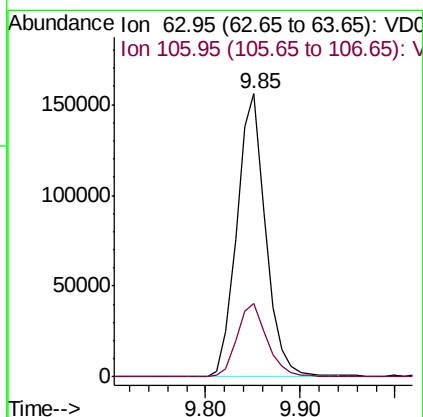
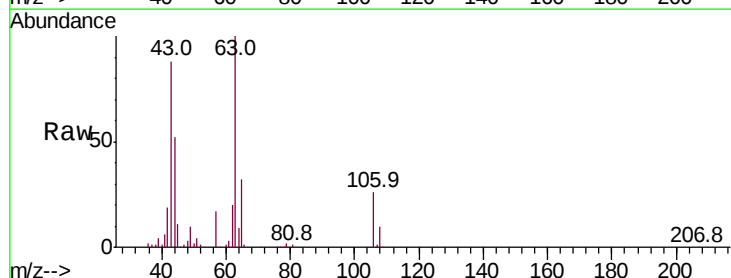
Acq: 29 Jul 2019 12:09

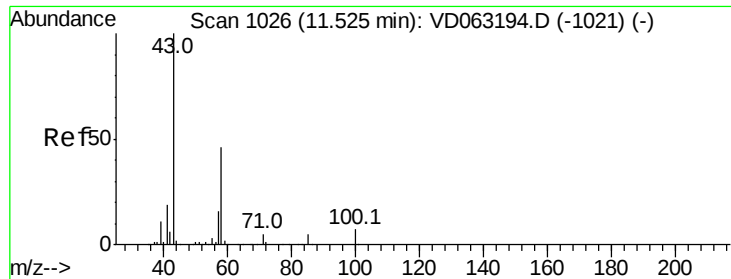
Tgt Ion: 63 Resp: 327689

Ion Ratio Lower Upper

63 100

106 26.1 22.0 33.0

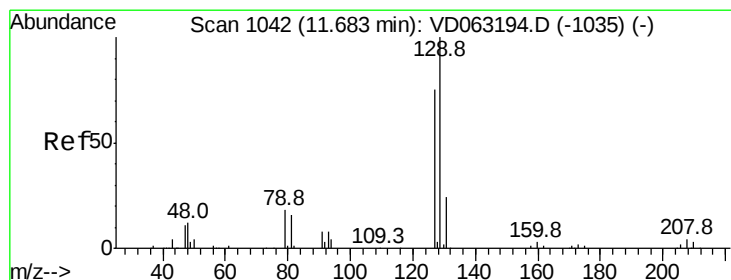
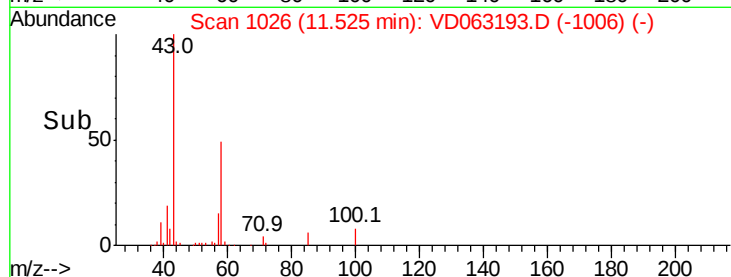
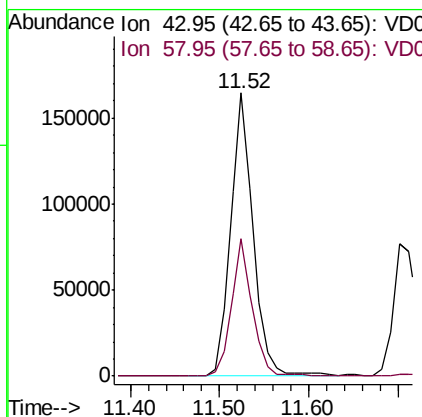
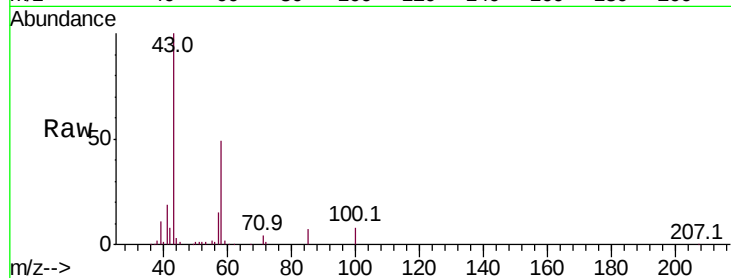




#59
2-Hexanone
Concen: 92.628 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

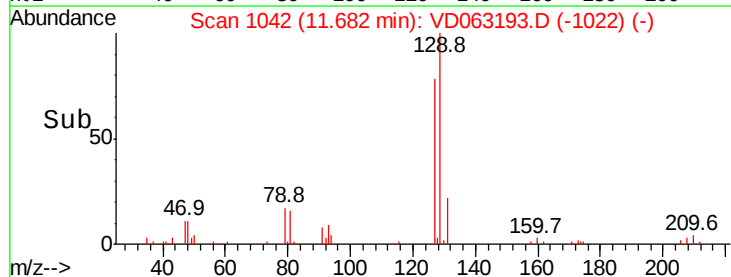
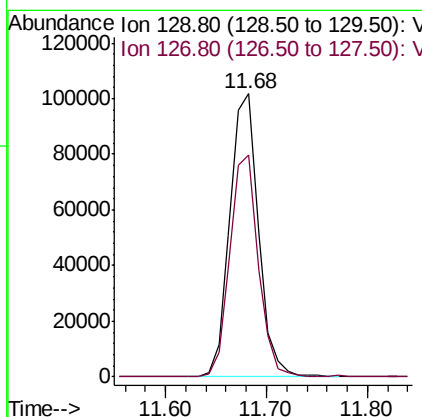
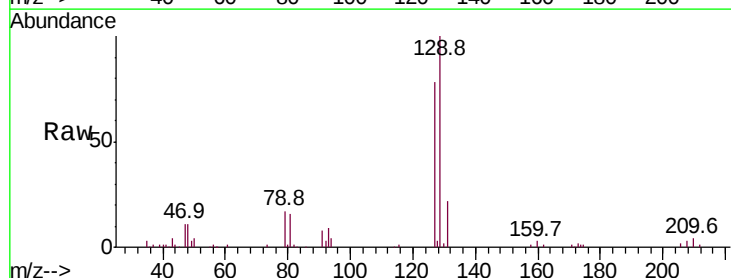
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

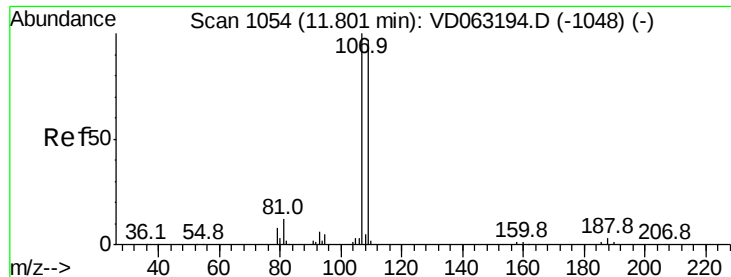
Tot Ion: 43 Resp: 293099
Ion Ratio Lower Upper
43 100
58 48.6 22.9 68.5



#60
Dibromochloromethane
Concen: 20.006 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 129 Resp: 200032
Ion Ratio Lower Upper
129 100
127 78.4 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.358 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

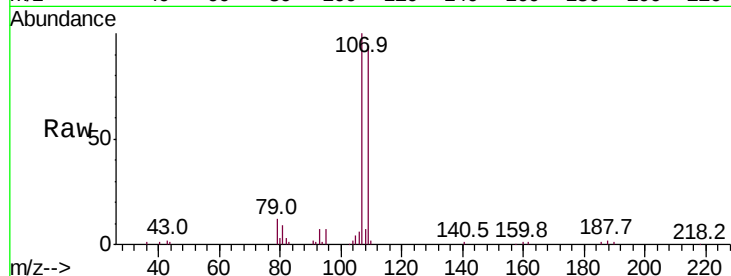
VSTDIC020

Tot Ion:107 Resp: 133047

Ion Ratio Lower Upper

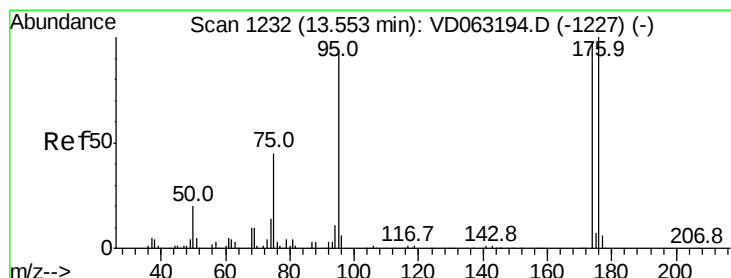
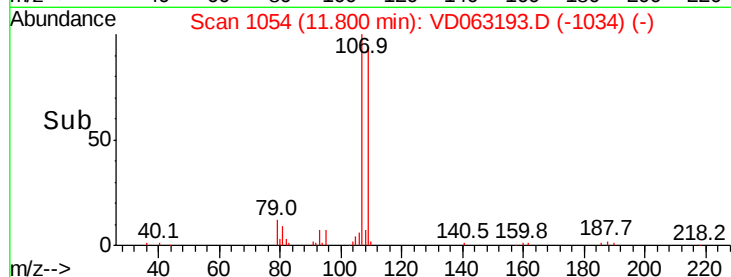
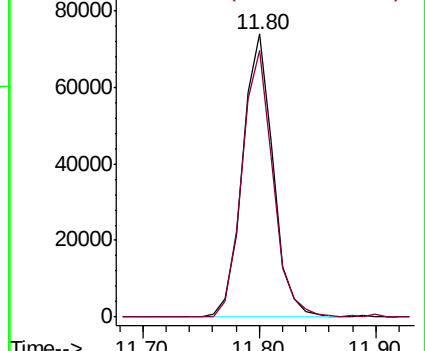
107 100

109 94.2 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 18.806 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

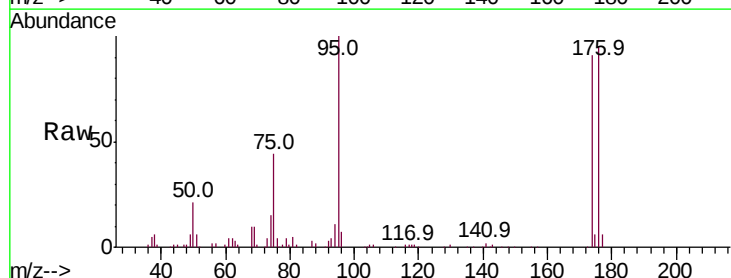
Tgt Ion: 95 Resp: 201862

Ion Ratio Lower Upper

95 100

174 91.4 0.0 205.4

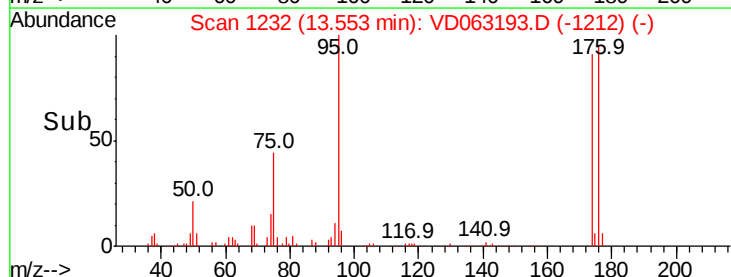
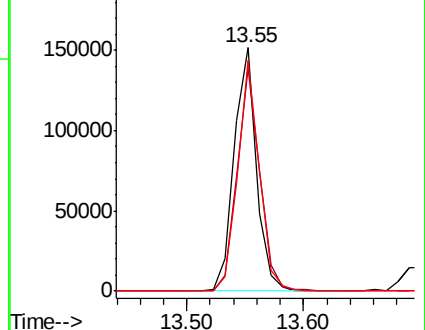
176 94.7 0.0 211.8

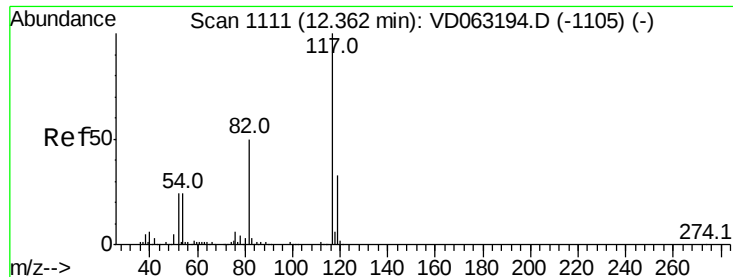


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

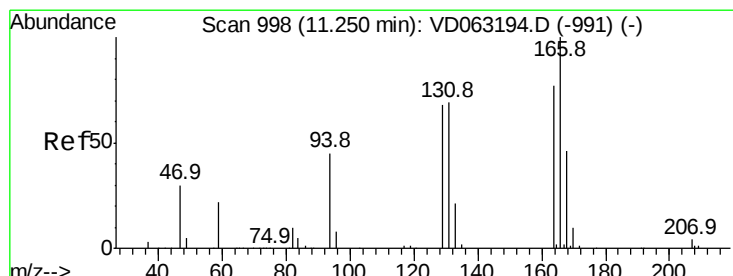
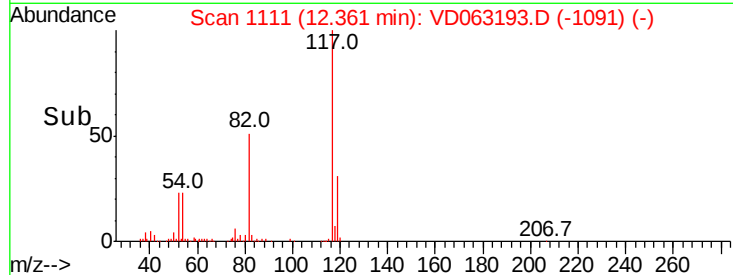
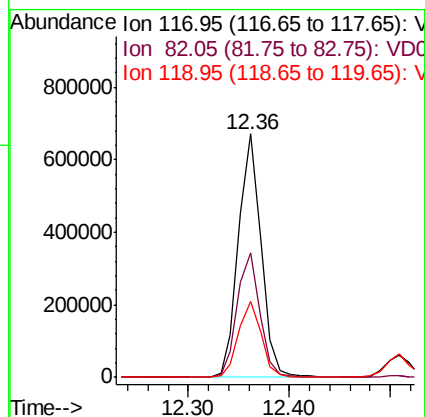
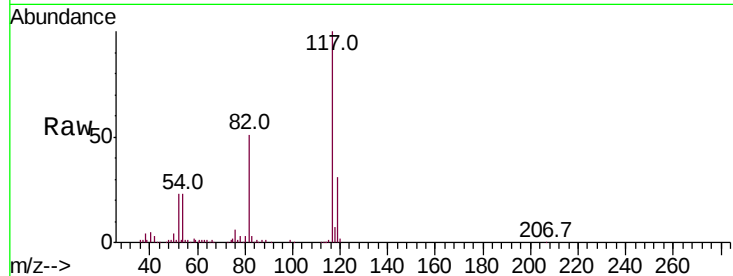




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

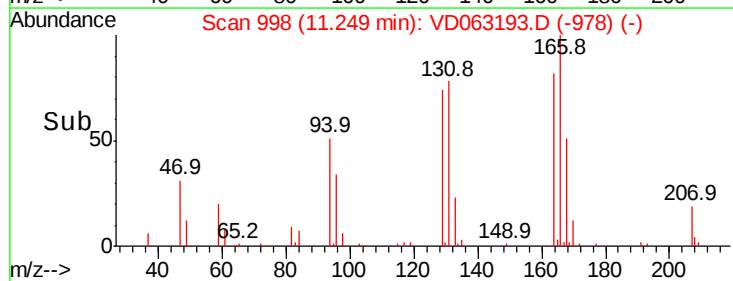
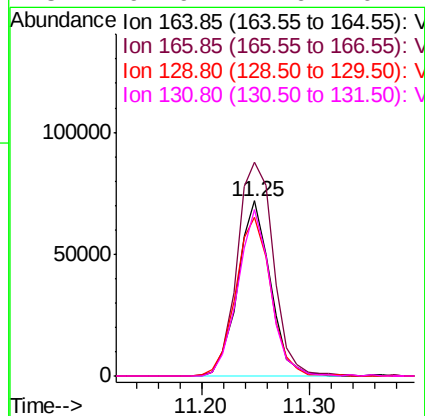
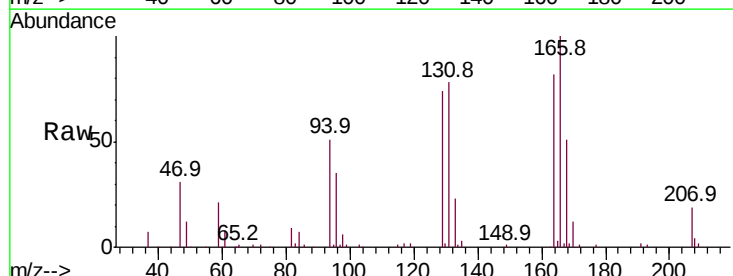
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

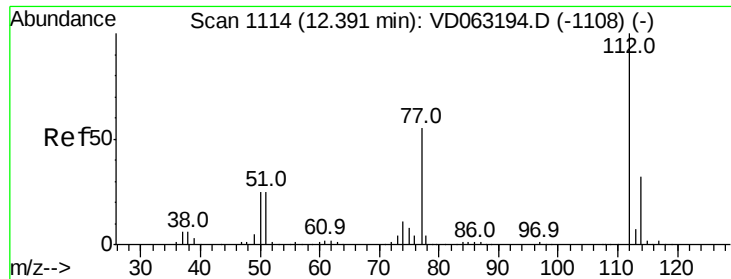
Tot Ion:117 Resp: 1047811
Ion Ratio Lower Upper
117 100
82 51.4 40.1 60.1
119 31.5 26.5 39.7



#64
Tetrachloroethene
Concen: 17.926 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion:164 Resp: 149641
Ion Ratio Lower Upper
164 100
166 122.1 104.3 156.5
129 90.4 70.9 106.3
131 94.9 71.6 107.4

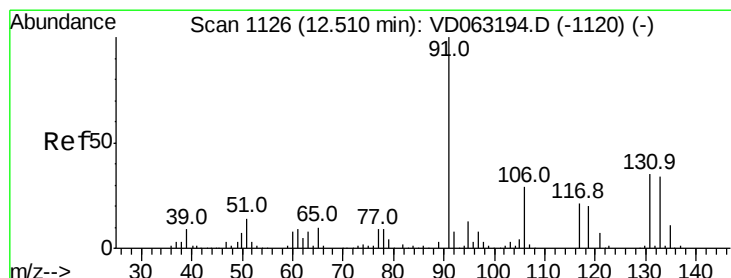
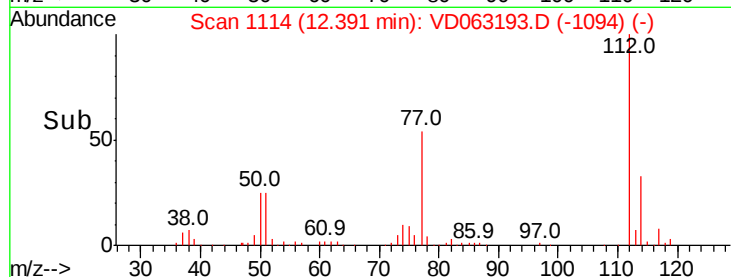
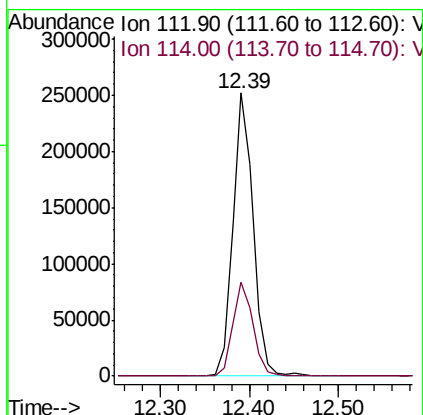
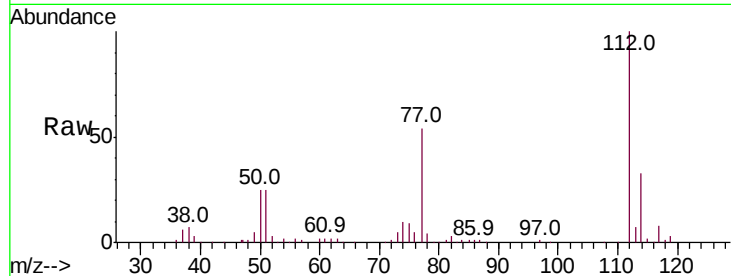




#65
Chlorobenzene
Concen: 19.983 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

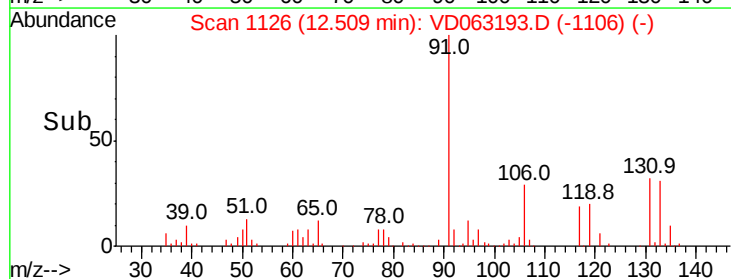
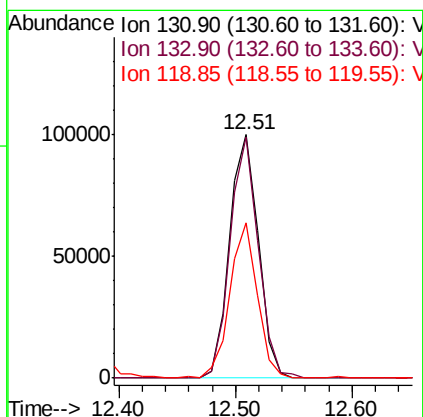
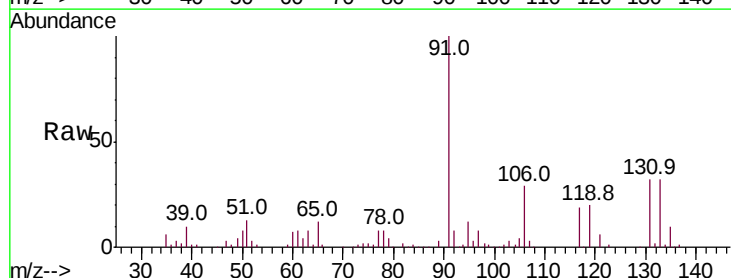
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

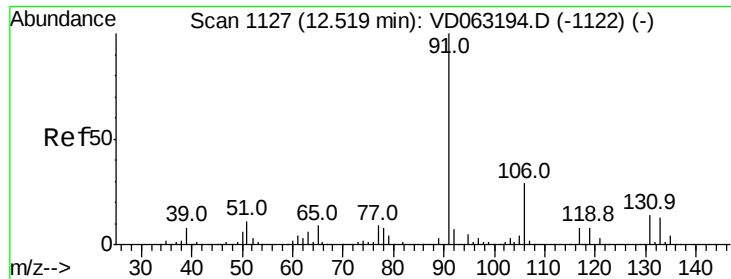
Tot Ion:112 Resp: 402749
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.223 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion:131 Resp: 170653
Ion Ratio Lower Upper
131 100
133 98.9 48.4 145.2
119 64.0 29.1 87.3

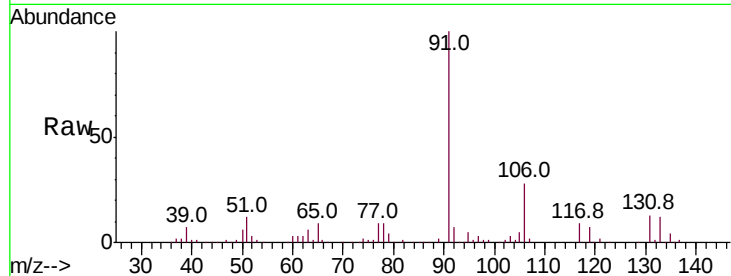




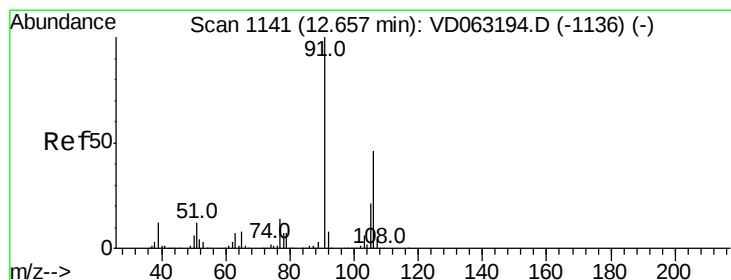
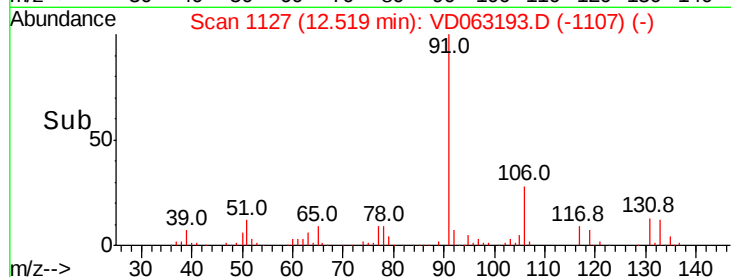
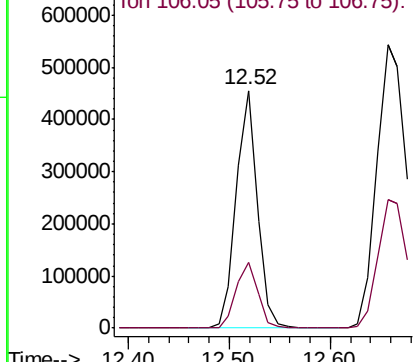
#67
Ethyl Benzene
Concen: 19.353 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 662582
Ion Ratio Lower Upper
91 100
106 27.7 22.9 34.3

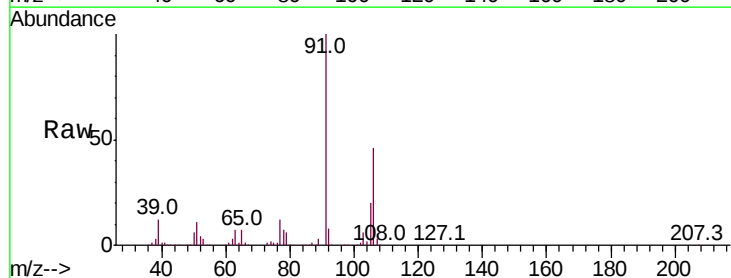


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

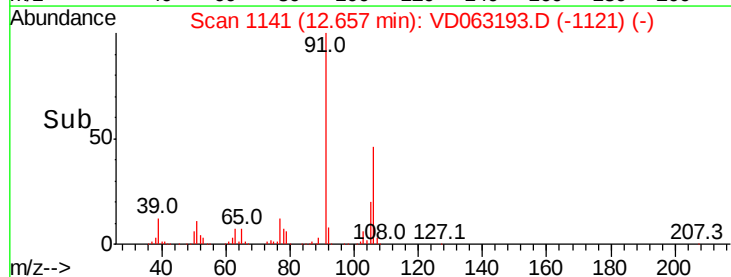
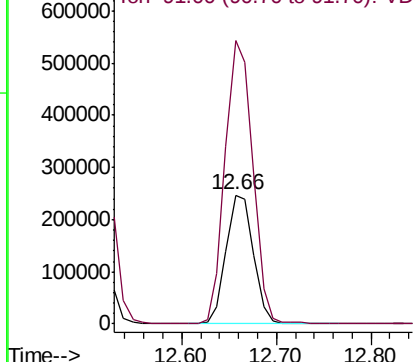


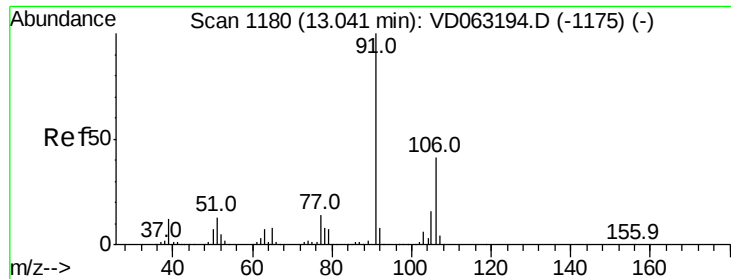
#68
m/p-Xylenes
Concen: 39.476 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 106 Resp: 495650
Ion Ratio Lower Upper
106 100
91 219.3 172.6 259.0



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

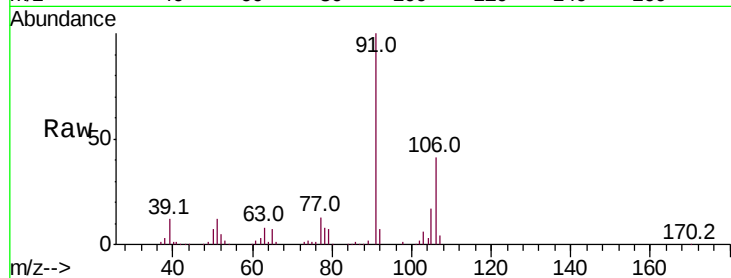




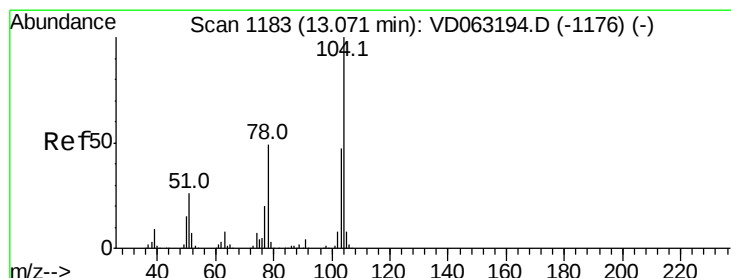
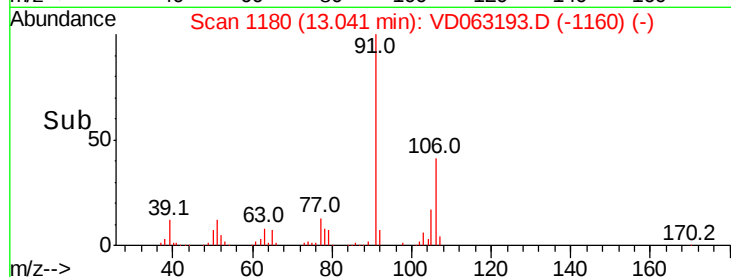
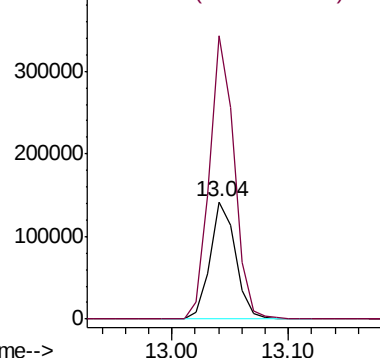
#69
o-Xylene
Concen: 18.784 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 216581
Ion Ratio Lower Upper
106 100
91 241.5 121.3 363.9

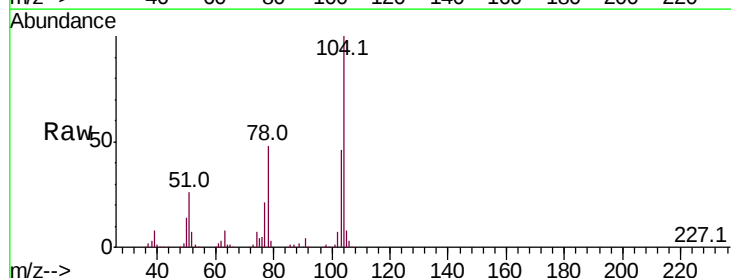


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

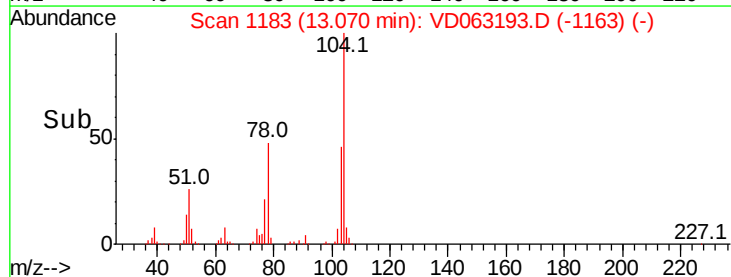
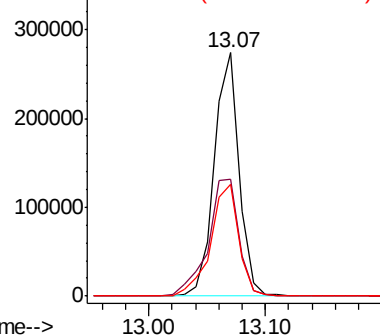


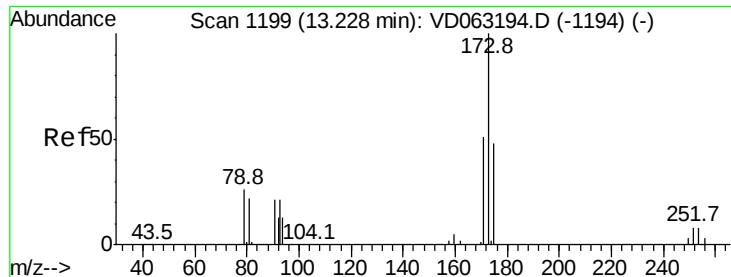
#70
Styrene
Concen: 19.751 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion:104 Resp: 403857
Ion Ratio Lower Upper
104 100
78 48.1 39.4 59.0
103 45.8 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: 19.126 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

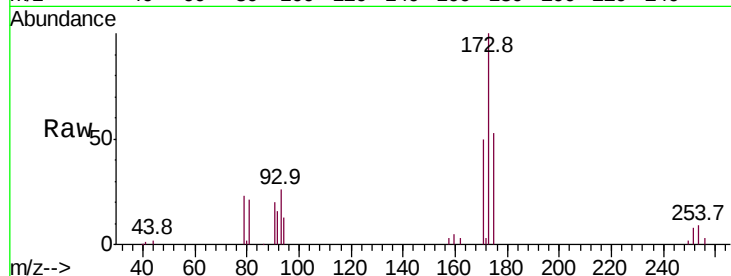
MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 123477

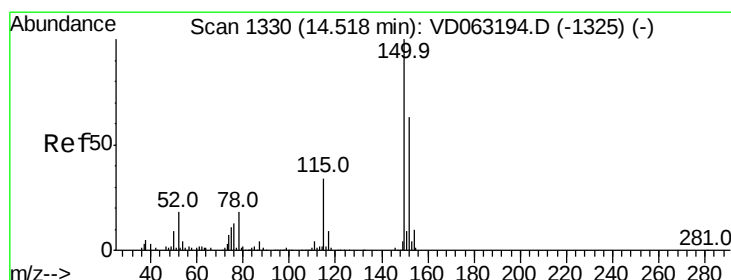
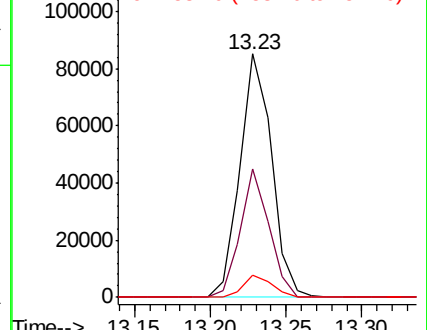
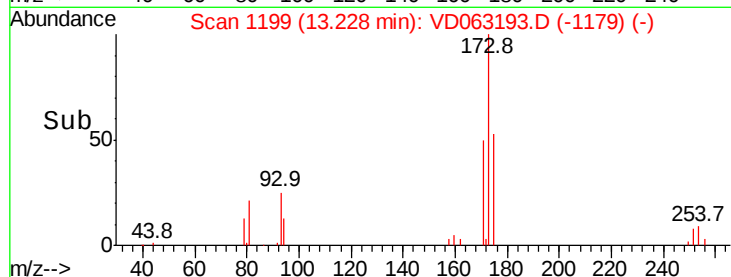
Ion	Ratio	Lower	Upper
173	100		
175	52.5	23.8	71.5
254	9.2	6.6	10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

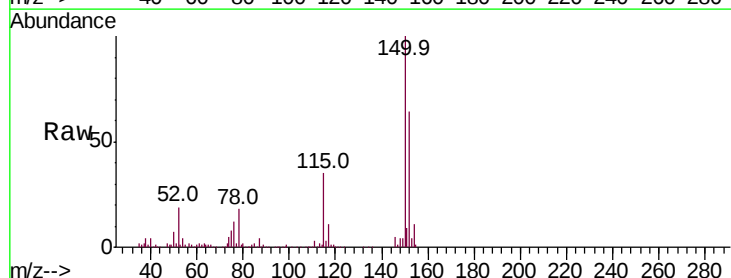
Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Tgt Ion:152 Resp: 557762

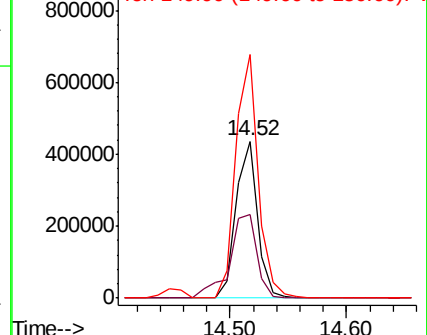
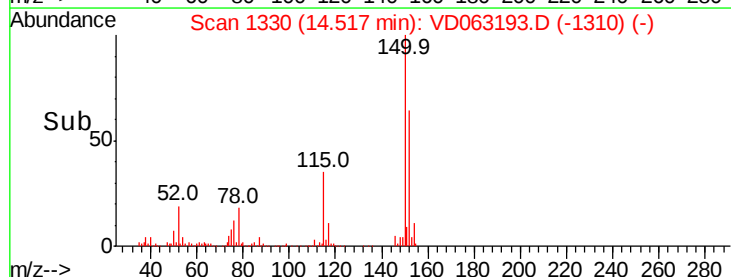
Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.5	82.4
150	155.5	0.0	320.6

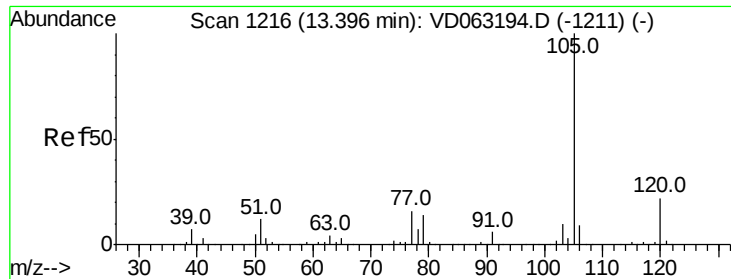


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.468 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleID :

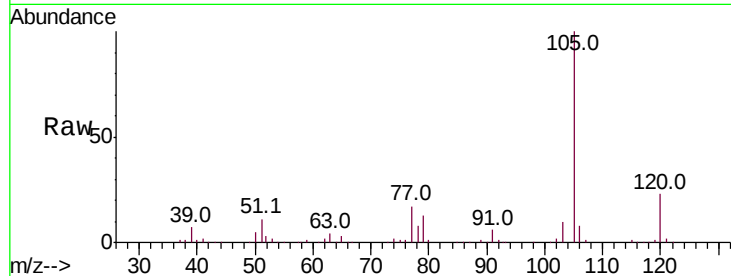
VSTDIC020

Tot Ion:105 Resp: 681523

Ion Ratio Lower Upper

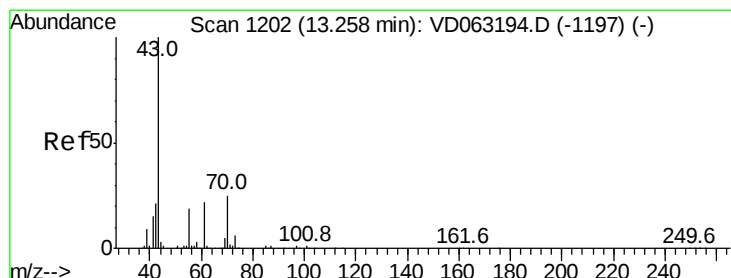
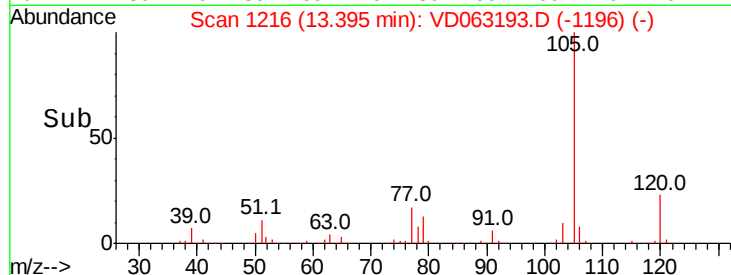
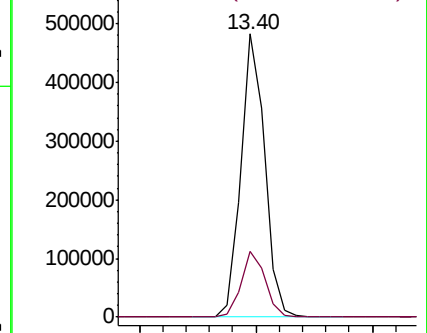
105 100

120 23.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.108 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Tgt Ion: 43 Resp: 176833

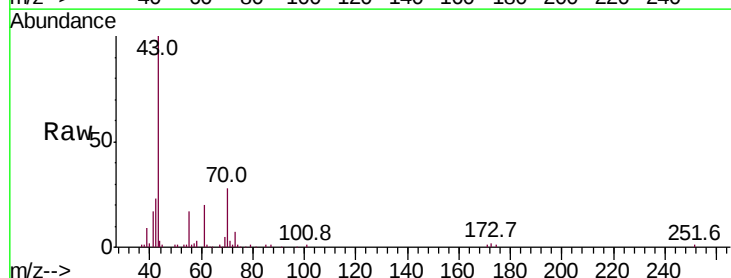
Ion Ratio Lower Upper

43 100

70 27.7 20.2 30.4

55 17.0 14.9 22.3

61 20.3 17.9 26.9

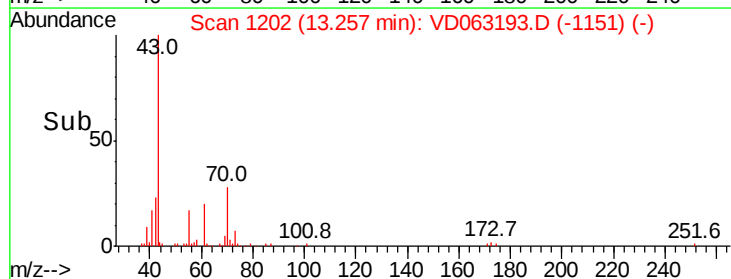
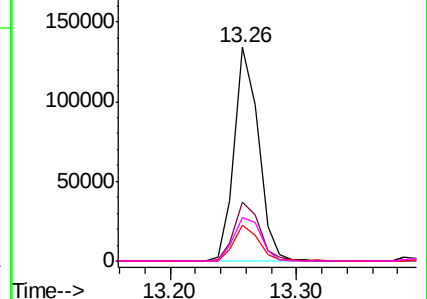


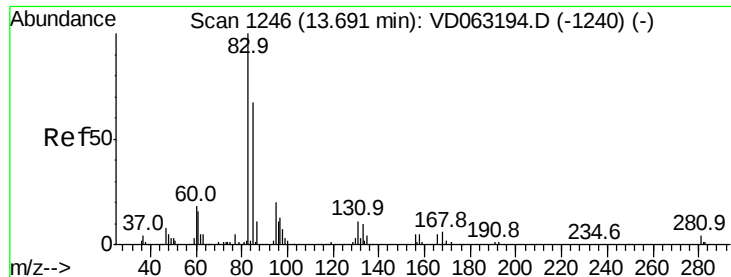
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.290 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

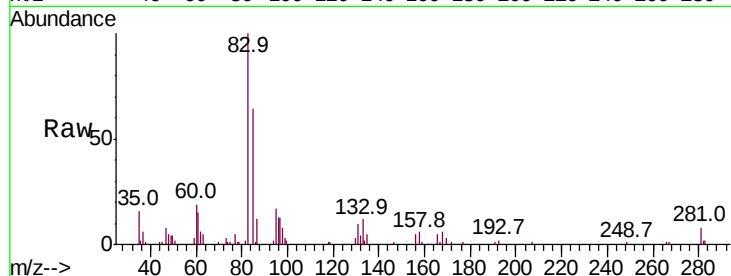
Tot Ion: 83 Resp: 120651

Ion Ratio Lower Upper

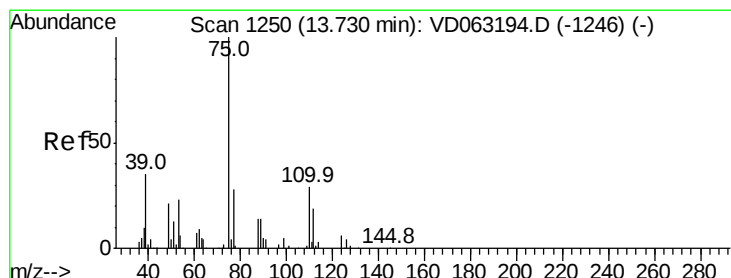
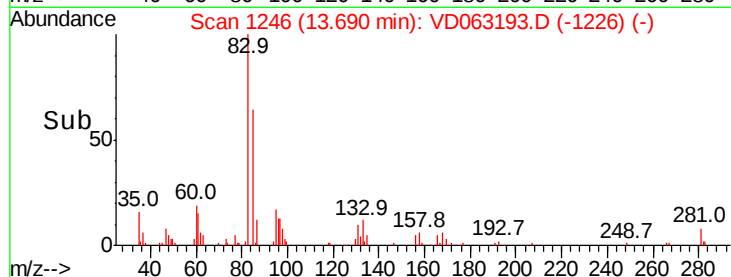
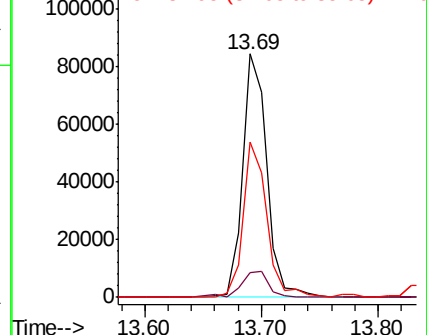
83 100

131 10.0 5.5 16.7

85 63.7 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: 18.468 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063193.D

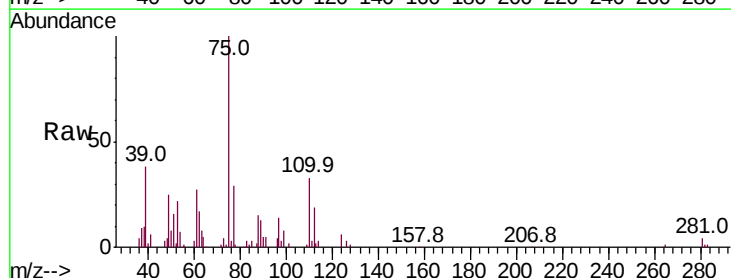
Acq: 29 Jul 2019 12:09

Tgt Ion: 75 Resp: 123723

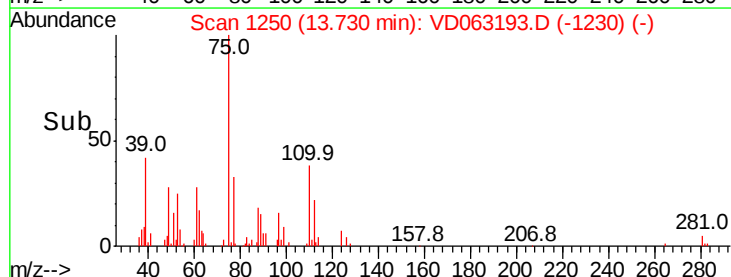
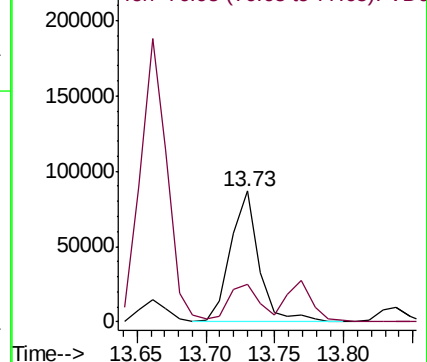
Ion Ratio Lower Upper

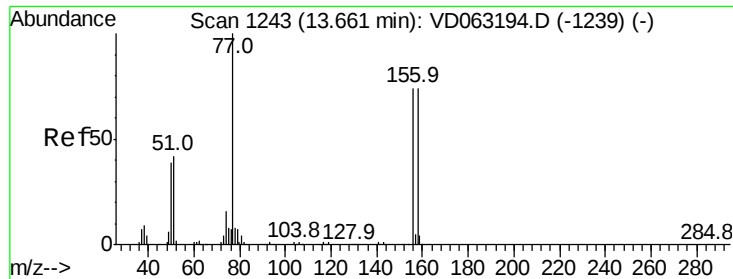
75 100

77 29.1 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: 20.106 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

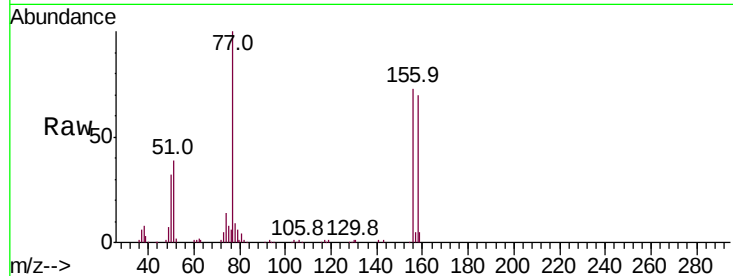
Tot Ion:156 Resp: 200500

Ion Ratio Lower Upper

156 100

77 137.0 67.6 202.8

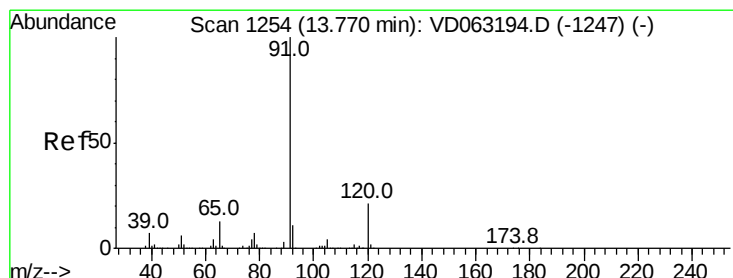
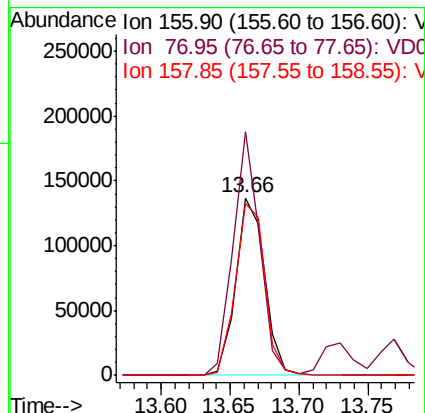
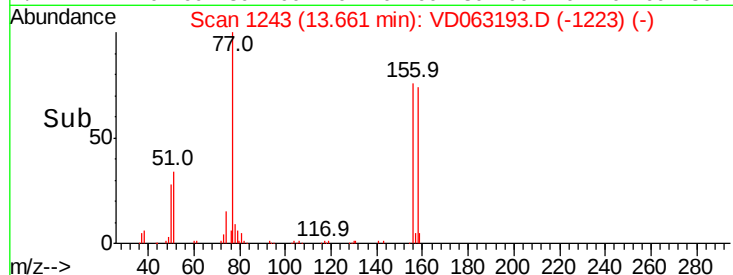
158 96.5 49.8 149.4



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: 18.869 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063193.D

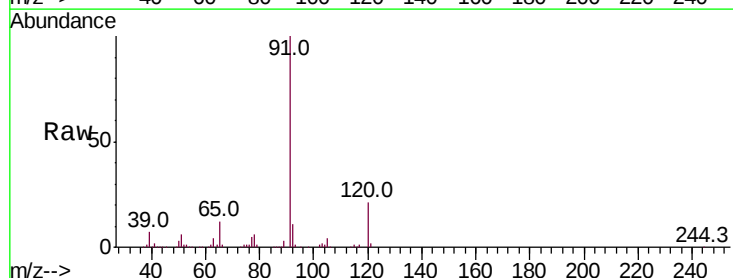
Acq: 29 Jul 2019 12:09

Tgt Ion: 91 Resp: 786052

Ion Ratio Lower Upper

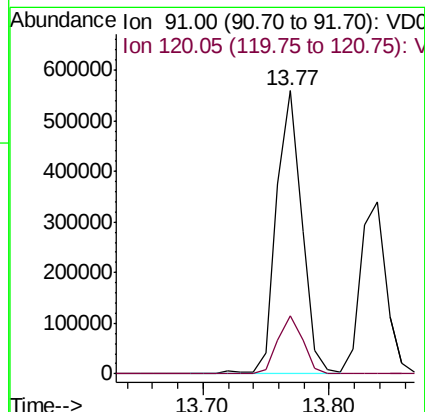
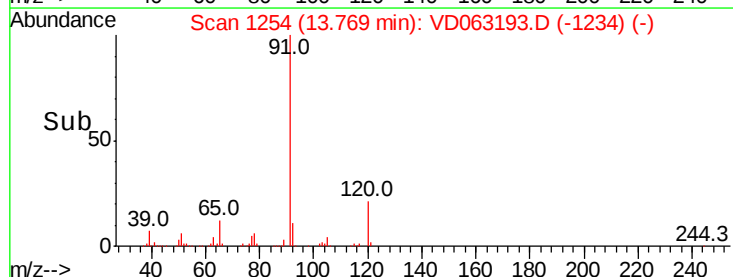
91 100

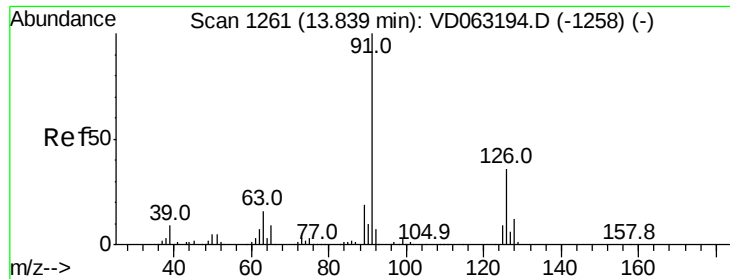
120 20.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

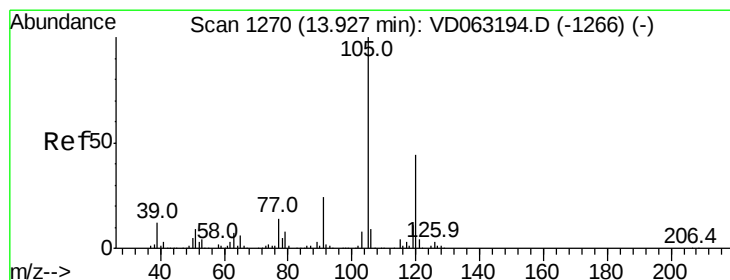
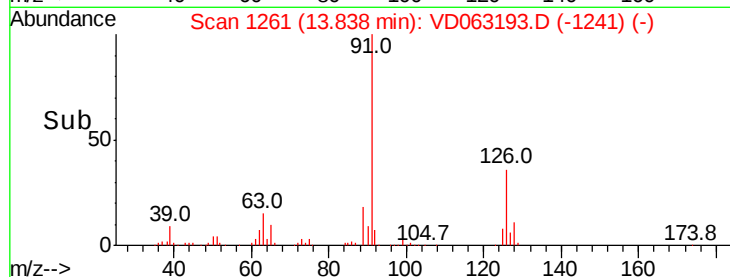
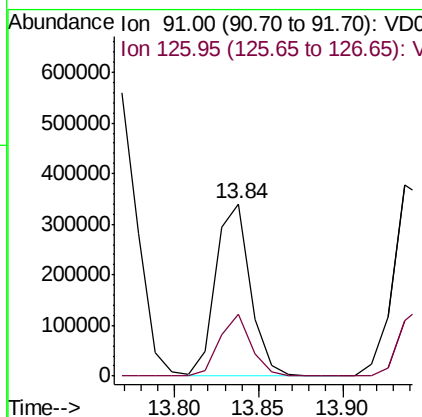
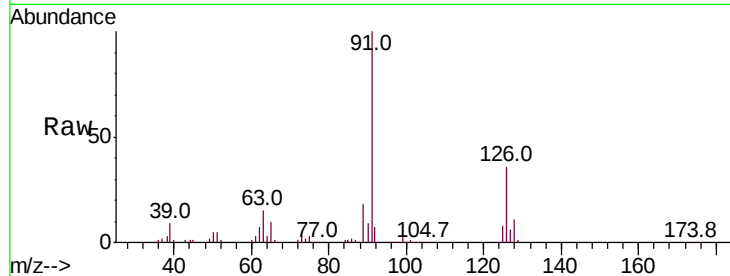




#79
 2-Chlorotoluene
 Concen: 20.028 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

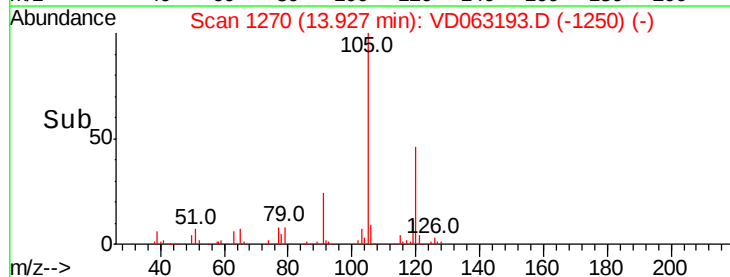
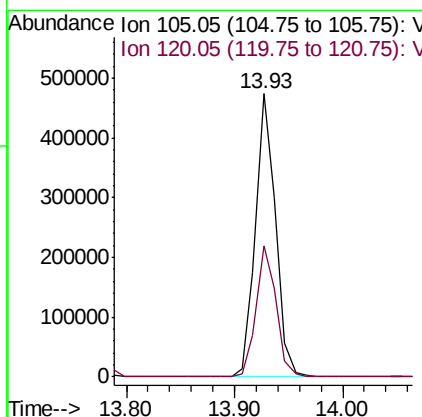
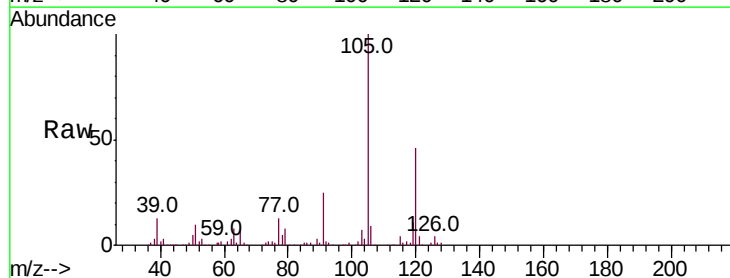
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

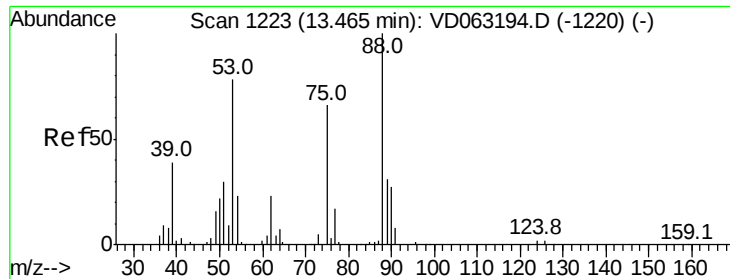
Tot Ion: 91 Resp: 483446
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.102 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion: 105 Resp: 606950
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.110 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

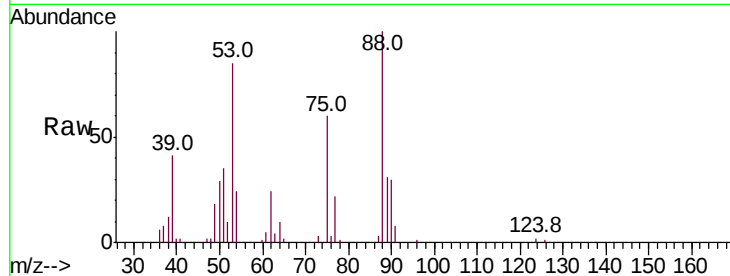
MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 31830

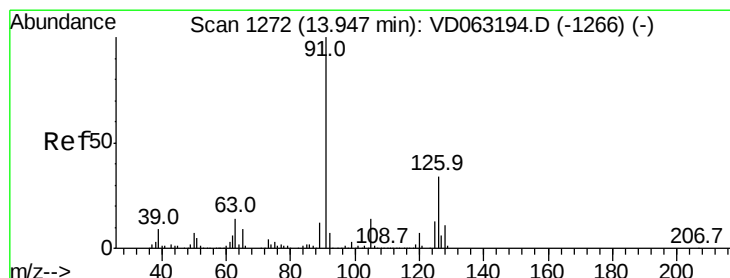
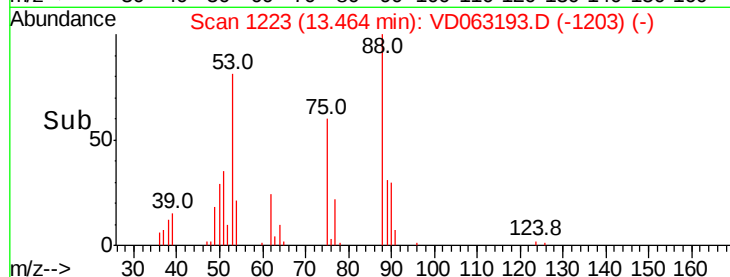
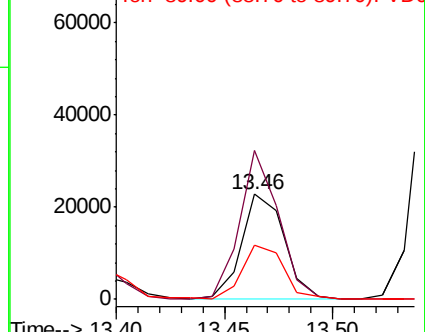
Ion	Ratio	Lower	Upper
75	100		
53	142.0	94.9	142.3
89	51.5	37.4	56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.416 ug/l

RT: 13.94 min Scan# 1271

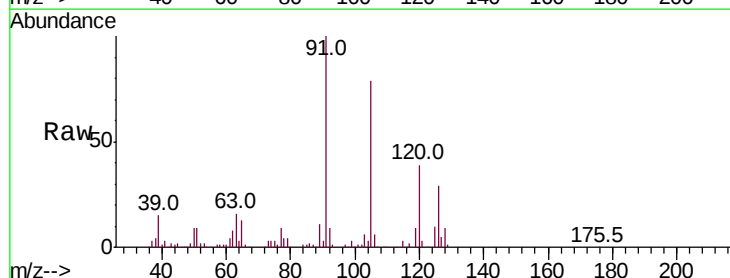
Delta R.T. -0.01 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

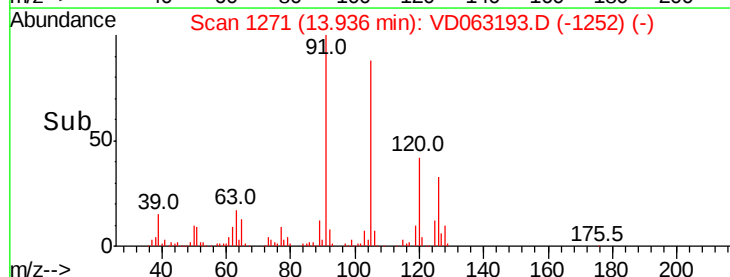
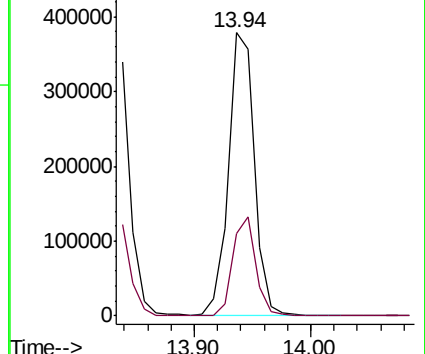
Tgt Ion: 91 Resp: 579989

Ion	Ratio	Lower	Upper
91	100		
126	29.1	17.1	51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

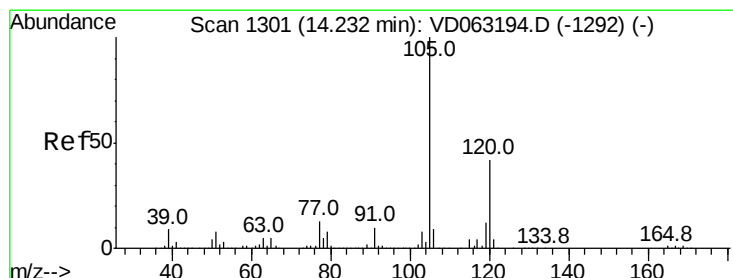
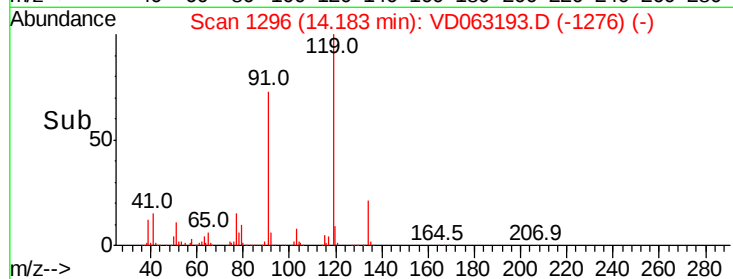
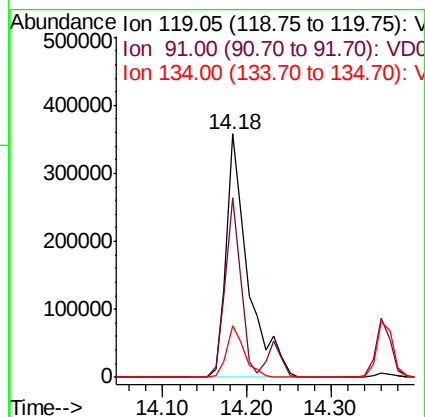
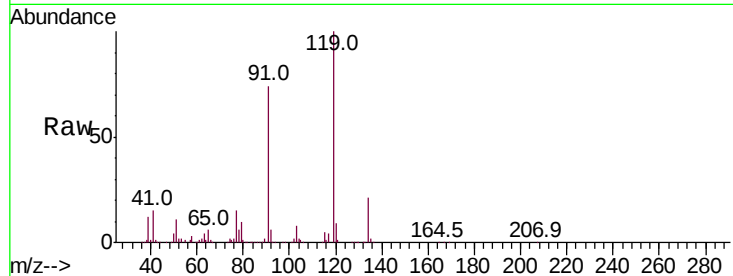




#83
tert-Butylbenzene
Concen: 18.789 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

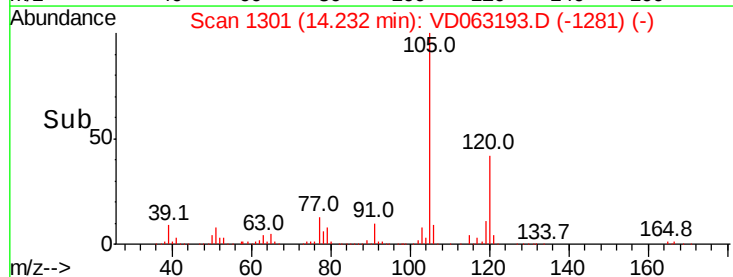
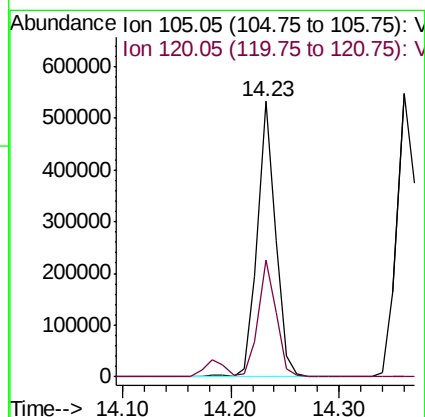
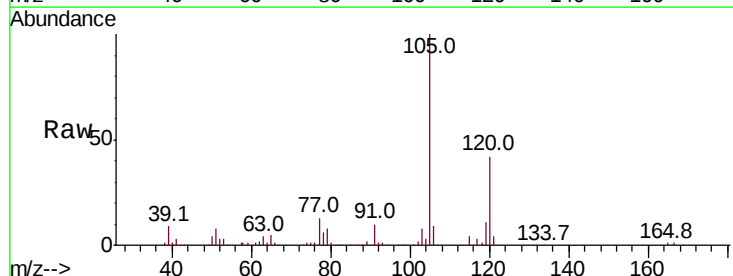
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

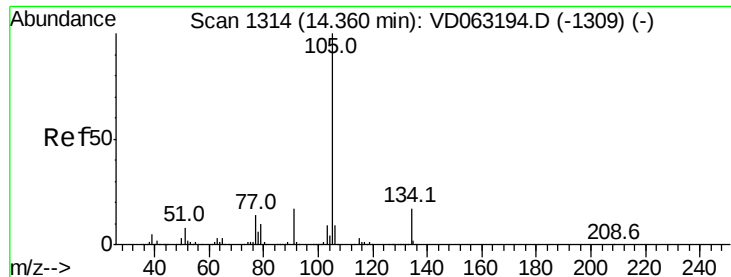
Tot Ion:119 Resp: 647760
Ion Ratio Lower Upper
119 100
91 73.7 39.1 117.5
134 21.4 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 20.097 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion:105 Resp: 627622
Ion Ratio Lower Upper
105 100
120 42.3 20.9 62.7





#85

sec-Butylbenzene

Concen: 19.347 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

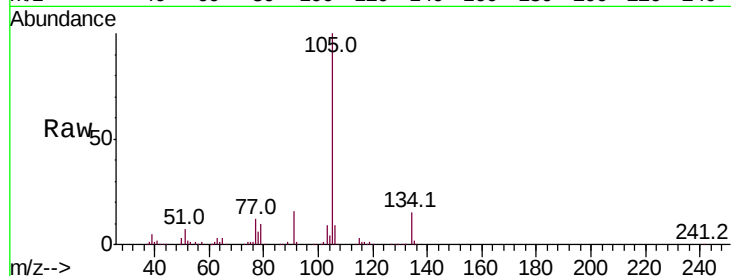
VSTDIC020

Tot Ion:105 Resp: 702728

Ion Ratio Lower Upper

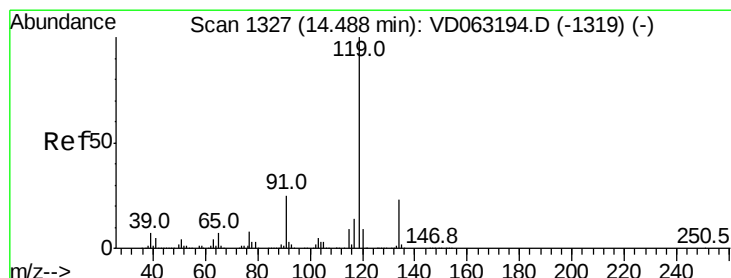
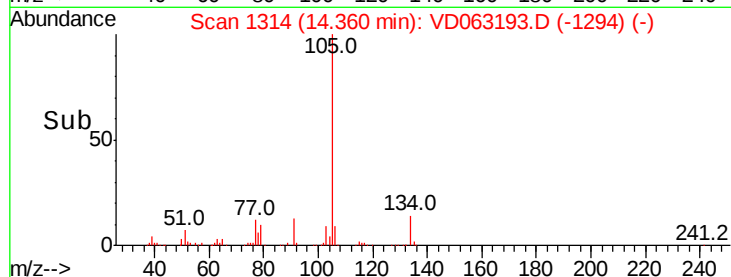
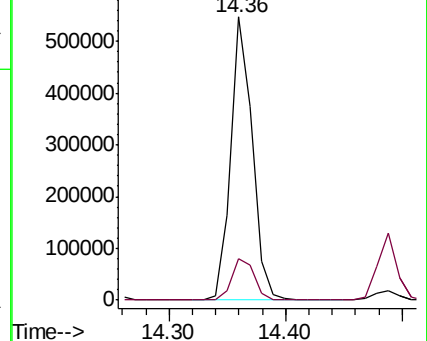
105 100

134 14.8 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: 19.119 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063193.D

Acq: 29 Jul 2019 12:09

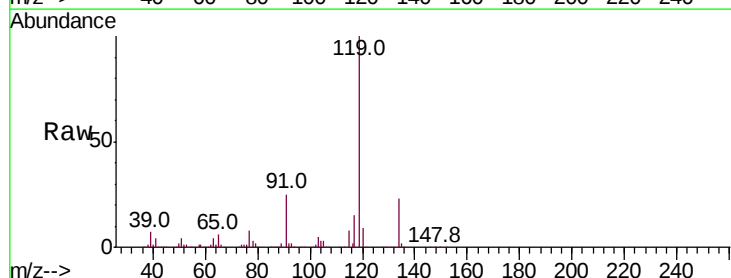
Tgt Ion:119 Resp: 662821

Ion Ratio Lower Upper

119 100

134 23.3 11.5 34.5

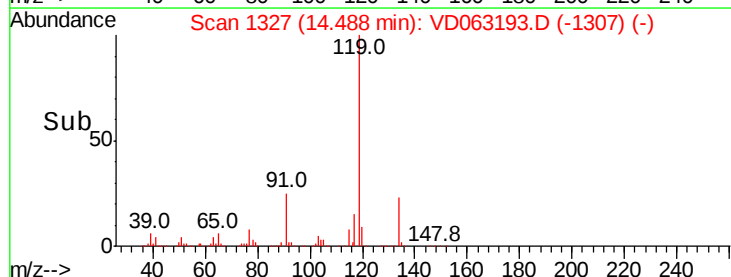
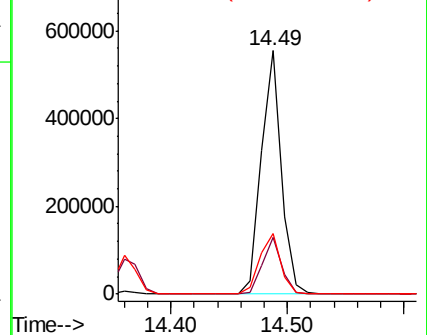
91 24.8 12.6 37.6

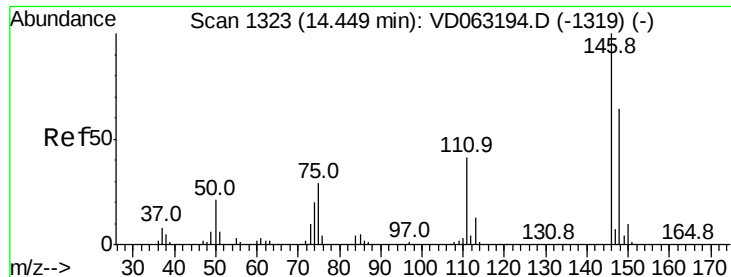


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

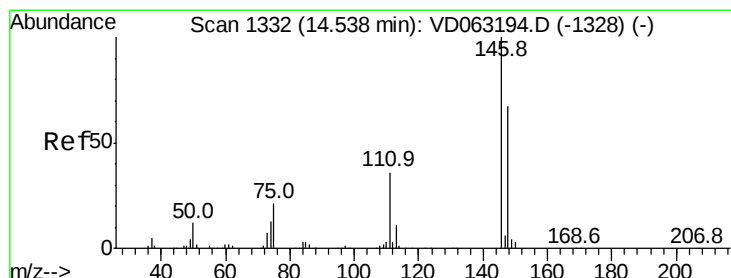
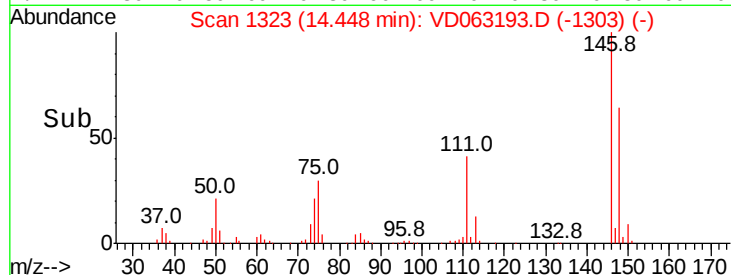
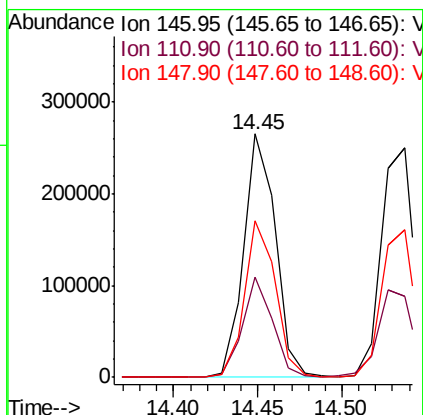
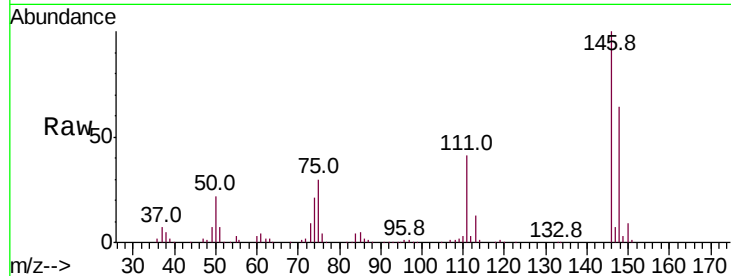




#87
 1,3-Dichlorobenzene
 Concen: 19.689 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

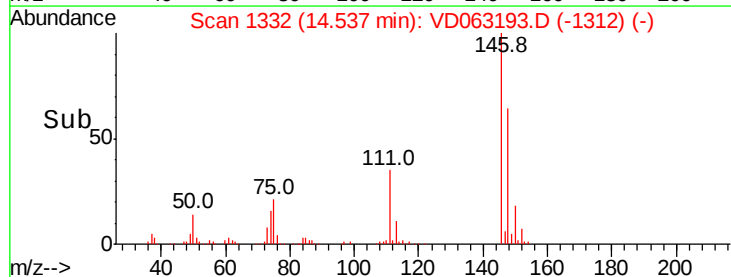
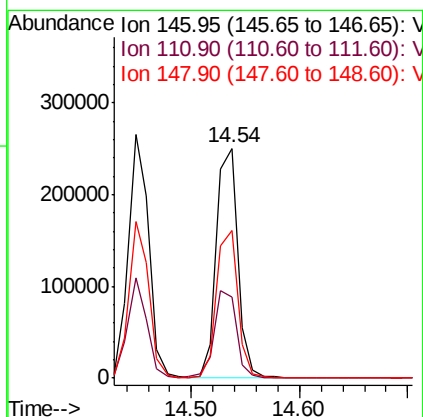
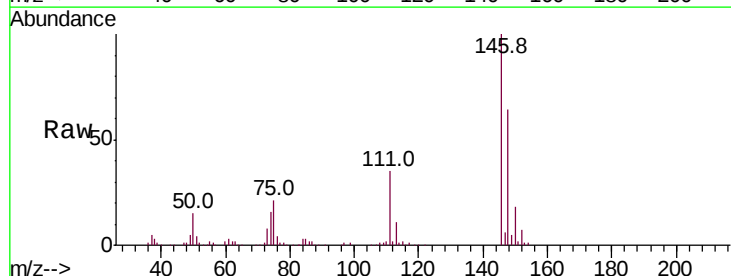
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

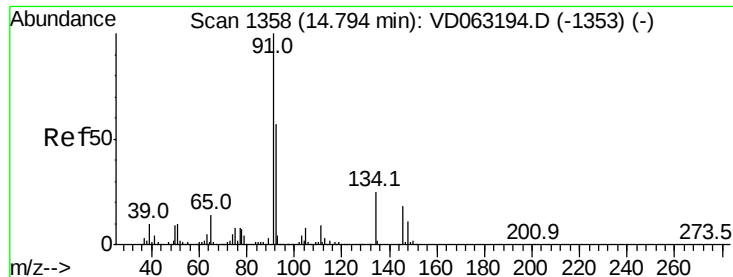
Tot Ion:146 Resp: 347706
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.4 61.3
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.464 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion:146 Resp: 347589
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.1 54.3
 148 64.3 33.4 100.1

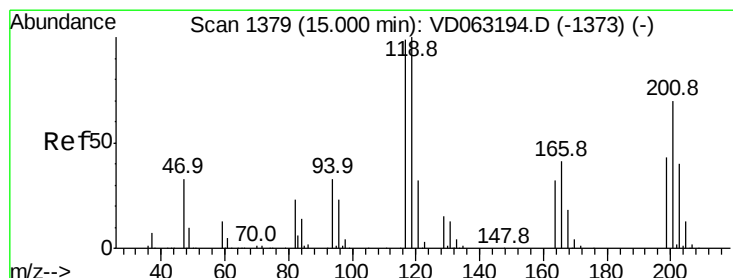
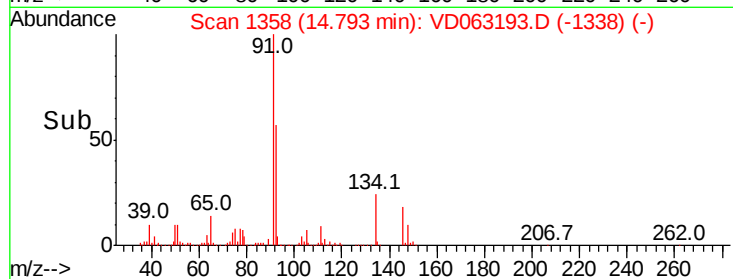
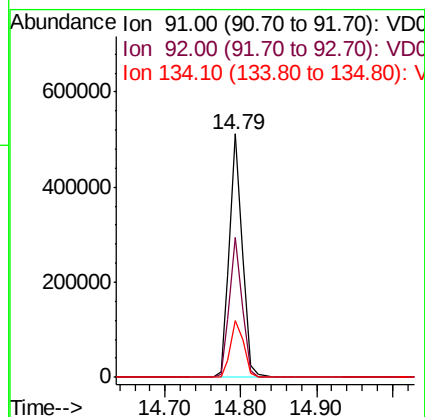
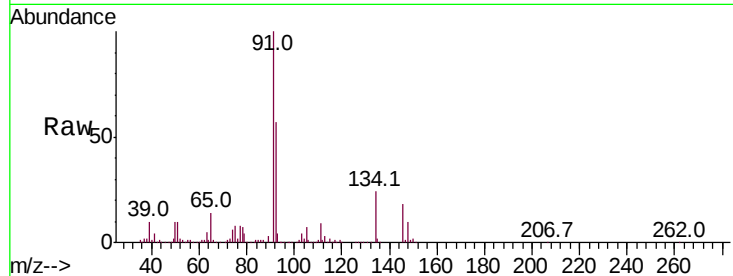




#89
n-Butylbenzene
Concen: 20.345 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

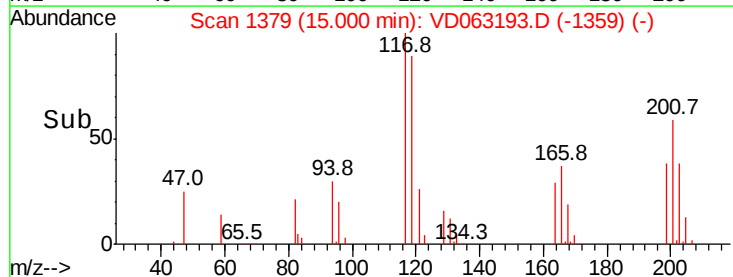
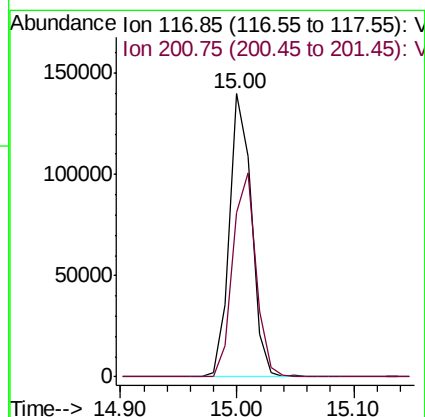
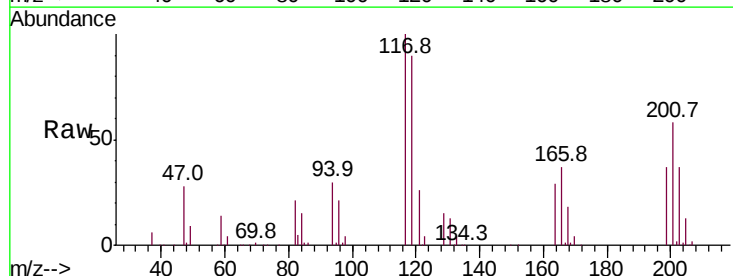
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

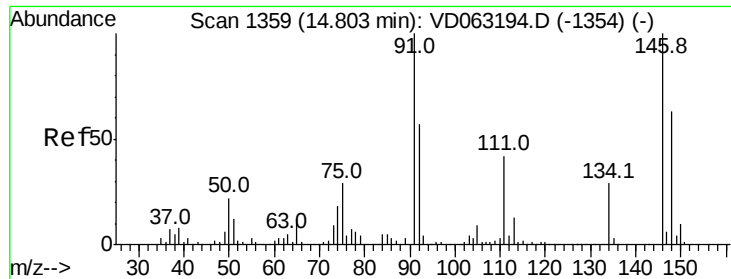
Tot Ion: 91 Resp: 609162
Ion Ratio Lower Upper
91 100
92 57.5 28.3 85.0
134 23.6 12.3 36.8



#90
Hexachloroethane
Concen: 20.425 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion: 117 Resp: 184478
Ion Ratio Lower Upper
117 100
201 58.1 35.2 105.6

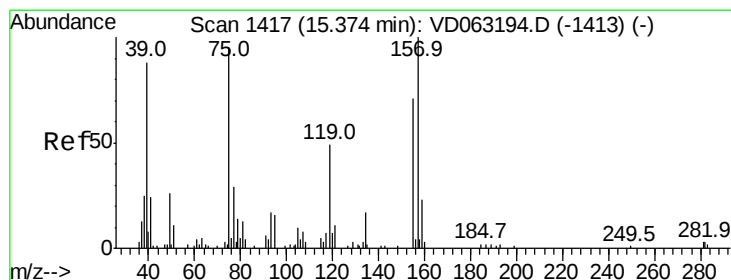
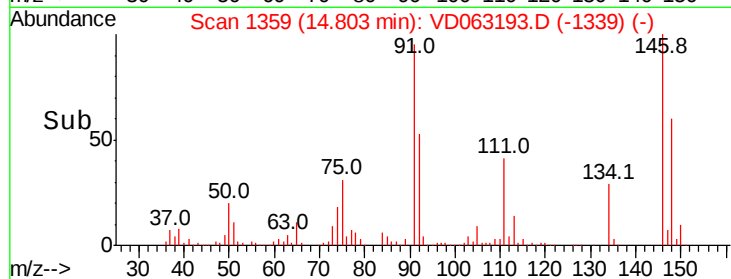
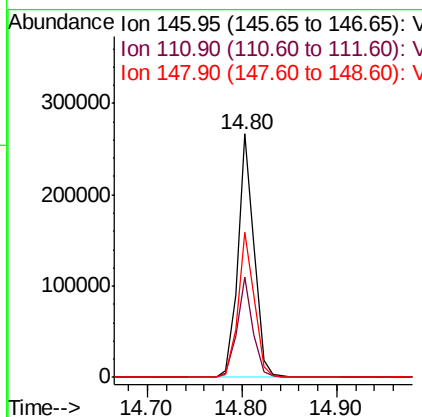
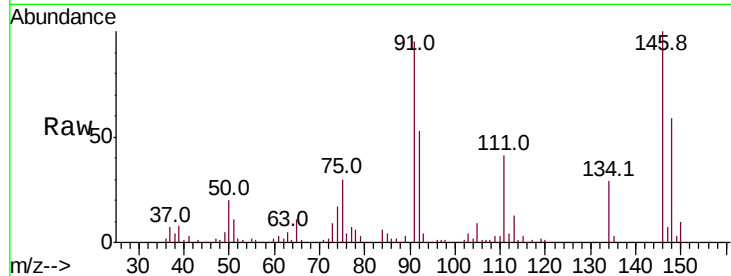




#91
 1,2-Dichlorobenzene
 Concen: 20.659 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

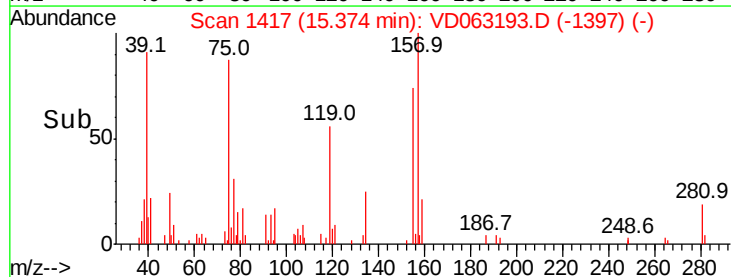
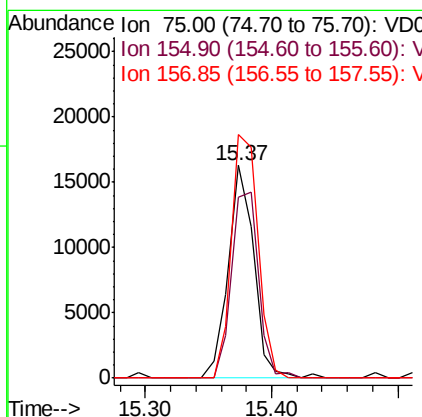
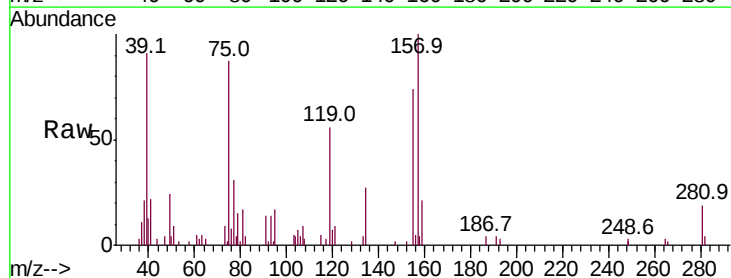
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

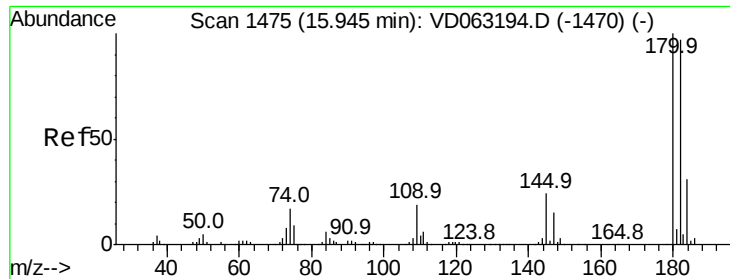
Tot Ion:146 Resp: 317878
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.3
 148 59.5 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.813 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion: 75 Resp: 22787
 Ion Ratio Lower Upper
 75 100
 155 84.9 37.0 111.0
 157 114.6 52.4 157.2

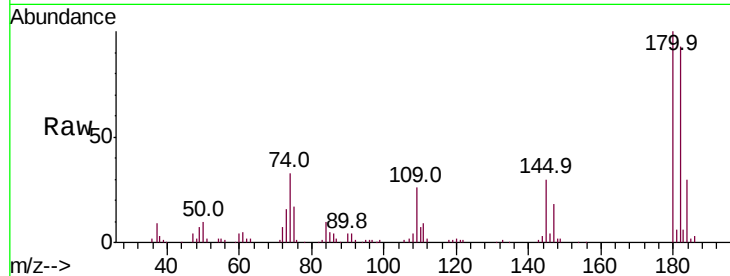




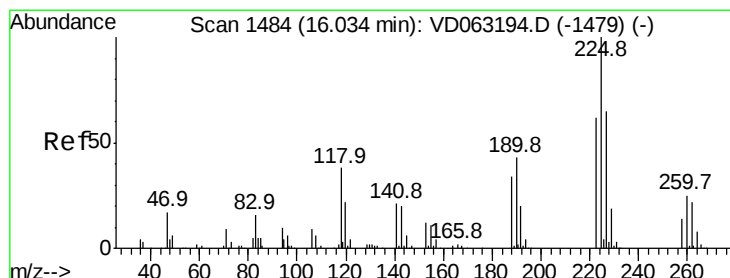
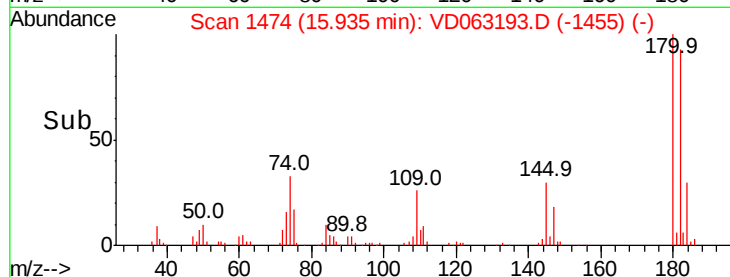
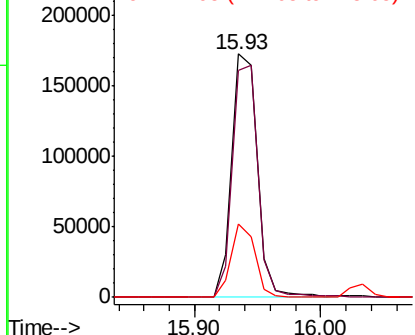
#93
 1,2,4-Trichlorobenzene
 Concen: 19.772 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.6	145.8
145	29.9	12.2	36.6

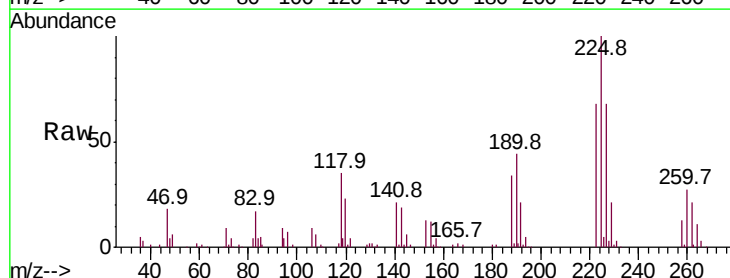


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

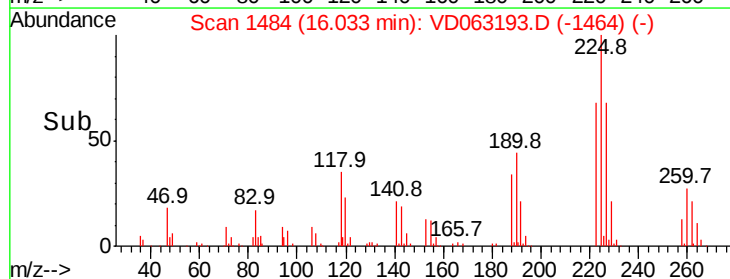
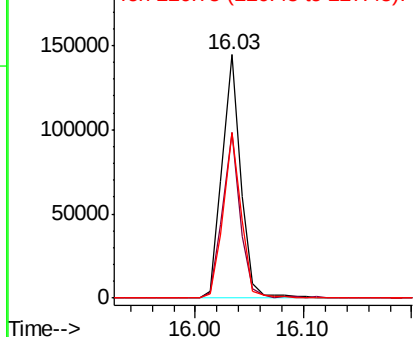


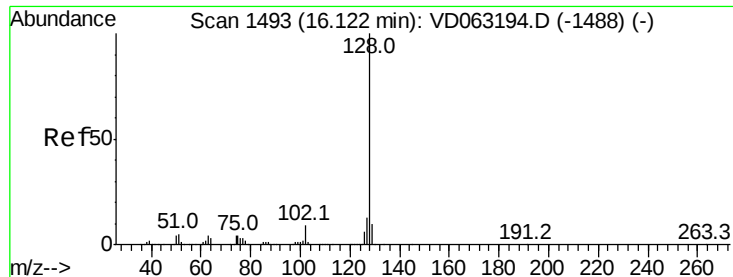
#94
 Hexachlorobutadiene
 Concen: 19.651 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063193.D
 Acq: 29 Jul 2019 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.1	30.9	92.5
227	68.0	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

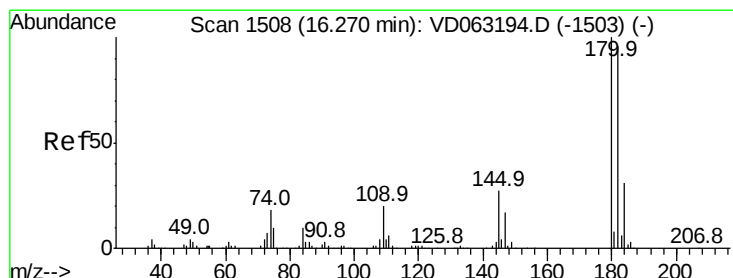
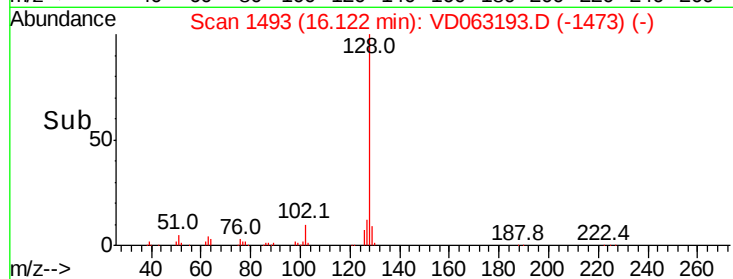
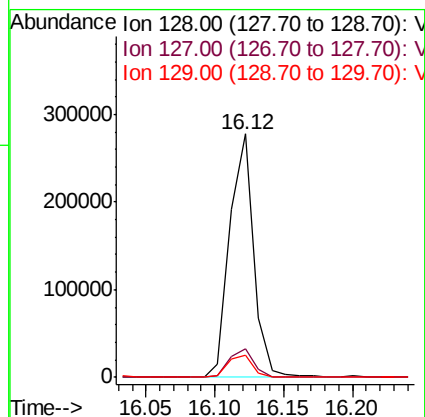
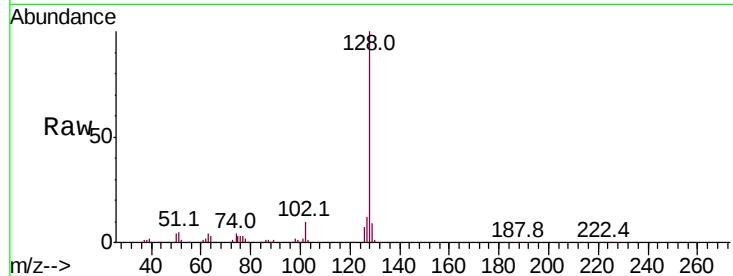




#95
Naphthalene
Concen: 19.452 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 335605
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 9.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063193.D
Acq: 29 Jul 2019 12:09

Tgt Ion:180 Resp: 185038
Ion Ratio Lower Upper
180 100
182 102.8 48.3 144.9
145 25.6 13.6 40.7

