

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062631.D
 Acq On : 6 Jun 2019 18:14
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 07 04:40:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	783242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1046541	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	856828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	513612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	795293	74.33	ug/l	0.00
Spiked Amount			Recovery	=	148.66%	
35) Dibromofluoromethane	6.93	113	787147	73.71	ug/l	0.00
Spiked Amount			Recovery	=	147.42%	
50) Toluene-d8	10.42	98	1699554	73.05	ug/l	0.00
Spiked Amount			Recovery	=	146.10%	
62) 4-Bromofluorobenzene	13.57	95	743357	68.62	ug/l	0.00
Spiked Amount			Recovery	=	137.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	557603	57.829	ug/l	100
3) Chloromethane	1.76	50	478178	63.765	ug/l	99
4) Vinyl Chloride	1.85	62	482614	65.290	ug/l	96
5) Bromomethane	2.15	94	236687	63.251	ug/l	90
6) Chloroethane	2.27	64	261804	68.820	ug/l	97
7) Trichlorofluoromethane	2.53	101	1165330	71.145	ug/l	98
8) Diethyl Ether	2.88	74	159845	76.022	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.15	101	647160	69.572	ug/l	96
10) Methyl Iodide	3.31	142	859659	74.155	ug/l	99
11) Tert butyl alcohol	4.10	59	167085	358.926	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	464087	69.162	ug/l	98
13) Acrolein	3.04	56	50238	298.405	ug/l	86
14) Allyl chloride	3.63	41	715980	70.063	ug/l	95
15) Acrylonitrile	4.21	53	393790	380.595	ug/l	97
16) Acetone	3.23	43	759762	393.024	ug/l	99
17) Carbon Disulfide	3.38	76	1414842	72.264	ug/l	100
18) Methyl Acetate	3.65	43	203499	60.228	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	1211878	73.787	ug/l	99
20) Methylene Chloride	3.82	84	484754	65.752	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	541063	73.157	ug/l	89
22) Diisopropyl ether	5.13	45	1596082	74.281	ug/l	96
23) Vinyl Acetate	5.07	43	5106274	386.297	ug/l	100
24) 1,1-Dichloroethane	4.98	63	978506	71.574	ug/l	97
25) 2-Butanone	6.09	43	728003	405.196	ug/l	99
26) 2,2-Dichloropropane	6.03	77	1100704	73.700	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	556657	71.086	ug/l	95
28) Bromochloromethane	6.45	49	421105	80.805	ug/l	98
29) Tetrahydrofuran	6.47	42	337818	403.107	ug/l	96
30) Chloroform	6.68	83	1237678	72.320	ug/l	99
31) Cyclohexane	6.96	56	616052	70.092	ug/l #	96
32) 1,1,1-Trichloroethane	6.88	97	1287325	74.095	ug/l	98
36) 1,1-Dichloropropene	7.15	75	811670	71.643	ug/l	96
37) Ethyl Acetate	6.20	43	329547	72.587	ug/l	95
38) Carbon Tetrachloride	7.12	117	1296698m	76.826	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	675167	71.131	ug/l	99
40) Benzene	7.46	78	1619826	74.054	ug/l	98
41) Methacrylonitrile	6.47	41	459868	79.071	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	928573	71.069	ug/l	99
43) Isopropyl Acetate	9.26	43	494053	80.059	ug/l	94
44) Trichloroethene	8.55	130	670800	74.322	ug/l	98
45) 1,2-Dichloropropane	8.95	63	389806	71.673	ug/l #	89
46) Dibromomethane	9.07	93	370680	76.838	ug/l	87
47) Bromodichloromethane	9.38	83	965586	74.677	ug/l	98
48) Methyl methacrylate	9.13	41	339665	81.561	ug/l	99
49) 1,4-Dioxane	9.09	88	56402	1690.271	ug/l #	87
51) 4-Methyl-2-Pentanone	10.31	43	1613449	395.959	ug/l	100
52) Toluene	10.52	92	1075903	72.896	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	819561	75.650	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	846988	77.244	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	388837	77.236	ug/l	98
56) Ethyl methacrylate	11.06	69	437191	80.351	ug/l	93
57) 1,3-Dichloropropane	11.42	76	614558	79.283	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	1046586	365.949	ug/l	97
59) 2-Hexanone	11.54	43	1212043	394.447	ug/l	98
60) Dibromochloromethane	11.70	129	787136	80.020	ug/l	99
61) 1,2-Dibromoethane	11.82	107	480939	78.277	ug/l	87
64) Tetrachloroethene	11.26	164	596489	78.037	ug/l	95
65) Chlorobenzene	12.41	112	1360021	77.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	630852	74.303	ug/l	95
67) Ethyl Benzene	12.53	91	2309879	72.092	ug/l	96
68) m/p-Xylenes	12.68	106	1747987	157.245	ug/l	94
69) o-Xylene	13.06	106	812088	76.197	ug/l	94
70) Styrene	13.09	104	1337676	74.441	ug/l	96
71) Bromoform	13.24	173	481223	82.961	ug/l	98
73) Isopropylbenzene	13.41	105	2533306	71.405	ug/l	97
74) N-amyl acetate	13.27	43	701327	76.432	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	433277	73.230	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	506594	75.329	ug/l	96
77) Bromobenzene	13.68	156	730736	74.513	ug/l	91
78) n-propylbenzene	13.79	91	2900147	69.629	ug/l	98
79) 2-Chlorotoluene	13.85	91	1762268	70.829	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	2108062	67.437	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	138784	81.490	ug/l	97
82) 4-Chlorotoluene	13.95	91	2068382	69.659	ug/l	89
83) tert-Butylbenzene	14.20	119	2453560	72.421	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	2224292	71.061	ug/l	95
85) sec-Butylbenzene	14.38	105	2552906	72.737	ug/l	100
86) p-Isopropyltoluene	14.50	119	2462524	73.055	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1223360	72.370	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	1268122	74.985	ug/l	95
89) n-Butylbenzene	14.81	91	2209721	71.755	ug/l	98
90) Hexachloroethane	15.02	117	622909	70.767	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	1065520	70.215	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	95431	78.651	ug/l	72

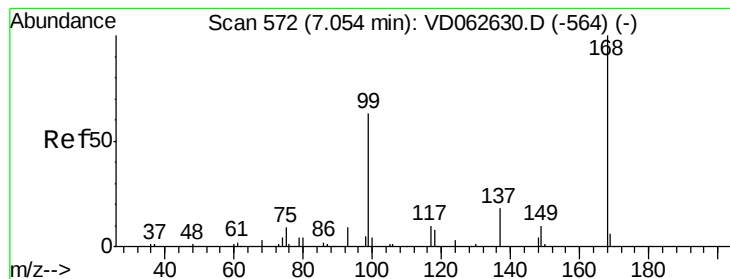
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
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Instrument :
MSVOA_D
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Quant Time: Jun 07 04:40:12 2019
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Quant Title : SW846 8260
QLast Update : Fri Jun 07 04:07:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	858814	76.691	ug/l	99
94) Hexachlorobutadiene	16.05	225	661073	78.748	ug/l	97
95) Naphthalene	16.13	128	1144111	72.011	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	673157	79.592	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

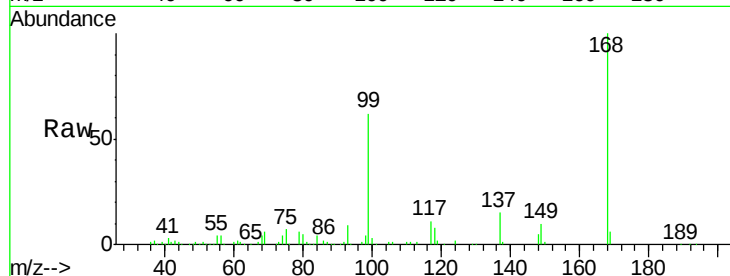
VSTDIC075

Tot Ion:168 Resp: 783242

Ion Ratio Lower Upper

168 100

99 62.0 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

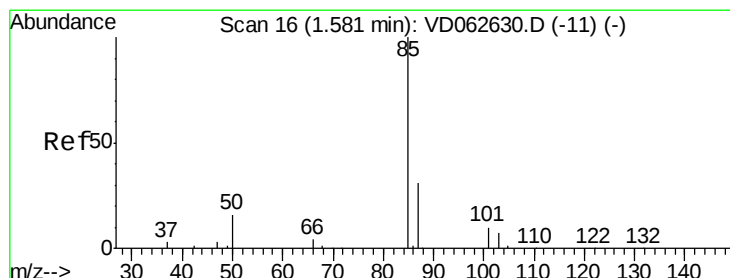
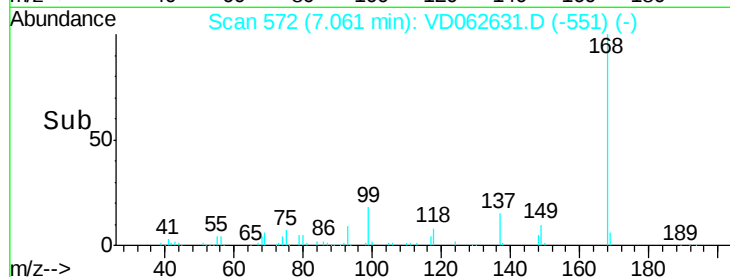
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 57.829 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062631.D

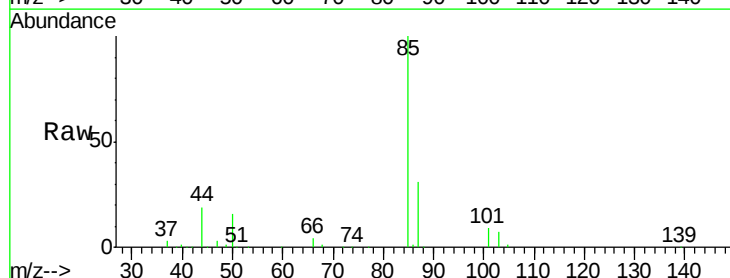
Acq: 6 Jun 2019 18:14

Tgt Ion: 85 Resp: 557603

Ion Ratio Lower Upper

85 100

87 30.6 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

150000

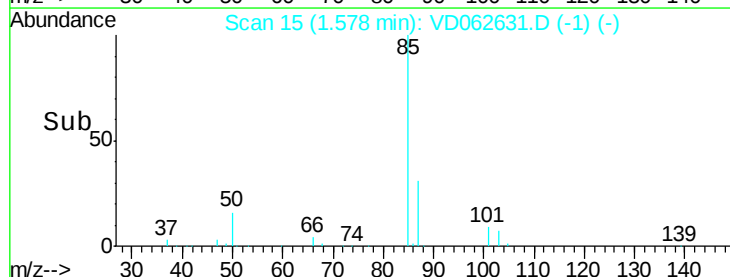
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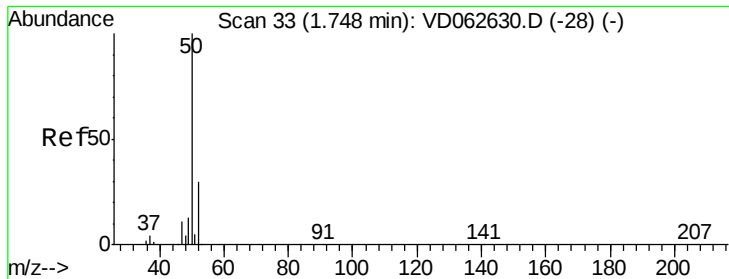
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 63.765 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

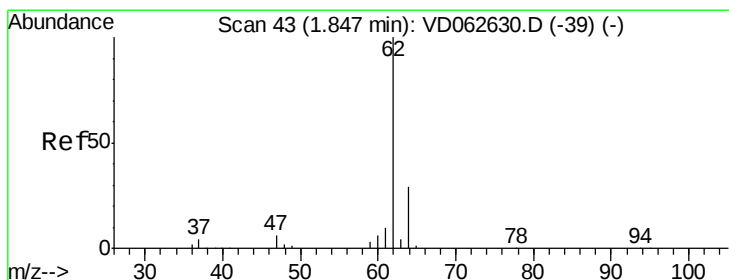
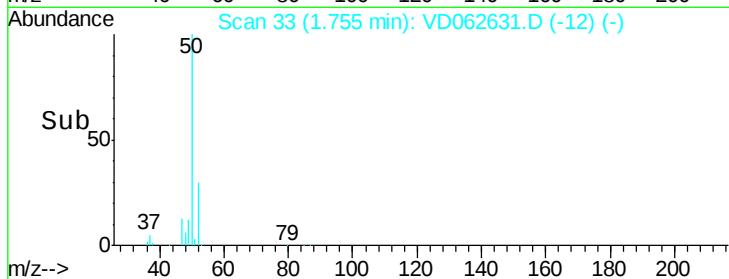
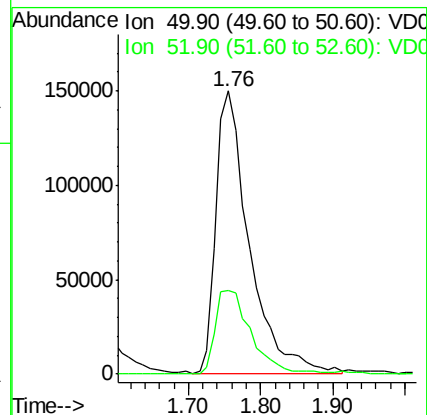
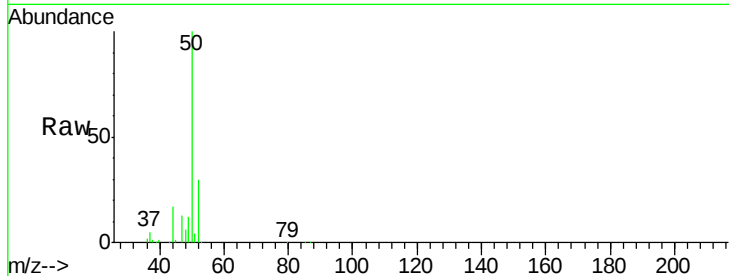
VSTDIC075

Tot Ion: 50 Resp: 478178

Ion Ratio Lower Upper

50 100

52 29.7 24.2 36.2



#4

Vinyl Chloride

Concen: 65.290 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062631.D

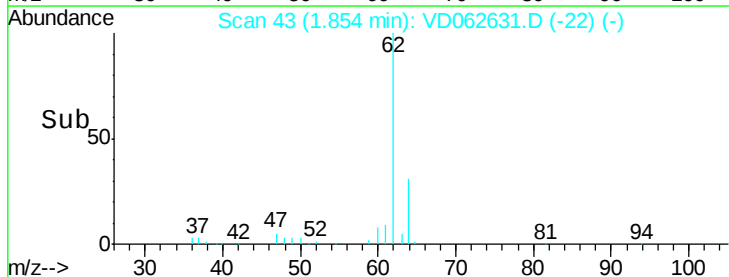
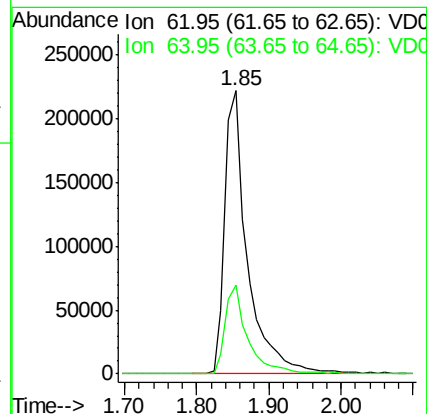
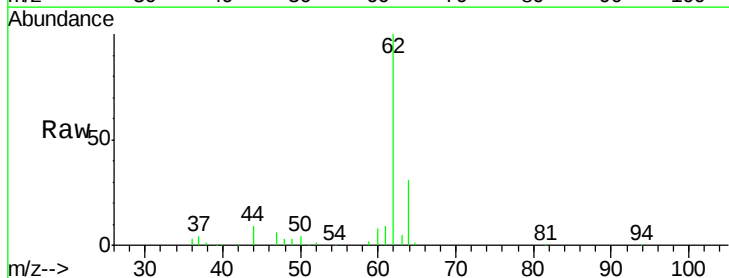
Acq: 6 Jun 2019 18:14

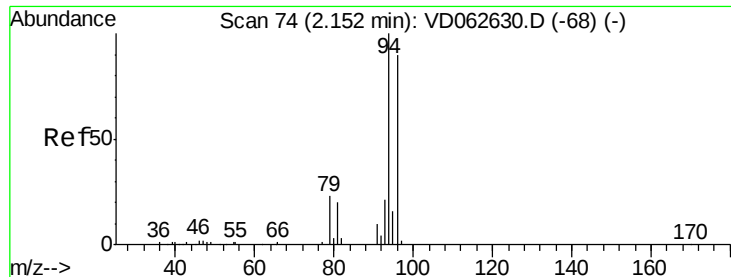
Tgt Ion: 62 Resp: 482614

Ion Ratio Lower Upper

62 100

64 31.3 23.3 34.9





#5

Bromomethane

Concen: 63.251 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

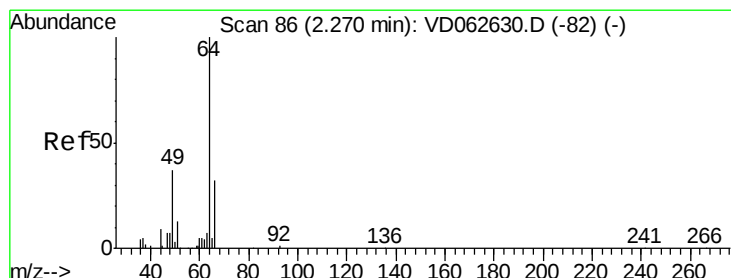
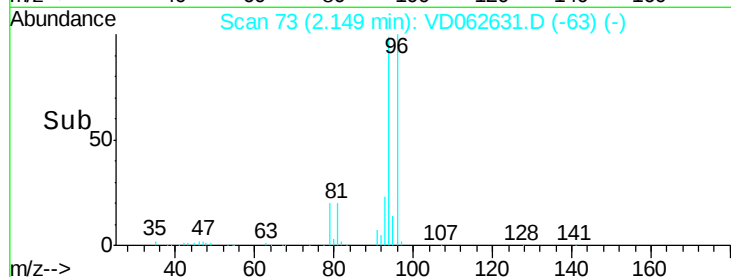
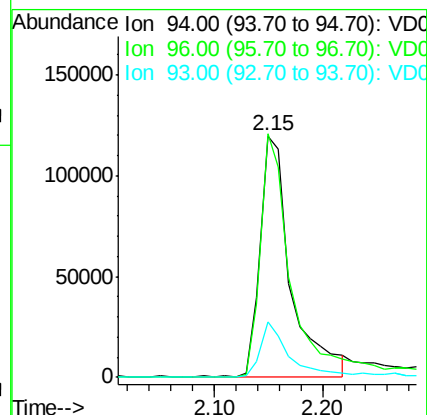
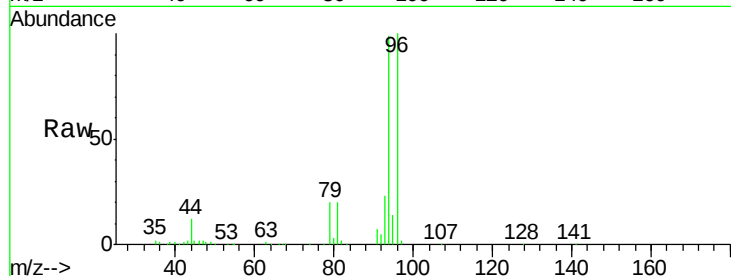
Tot Ion: 94 Resp: 236687

Ion Ratio Lower Upper

94 100

96 100.9 72.2 108.4

93 23.1 17.0 25.6



#6

Chloroethane

Concen: 68.820 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062631.D

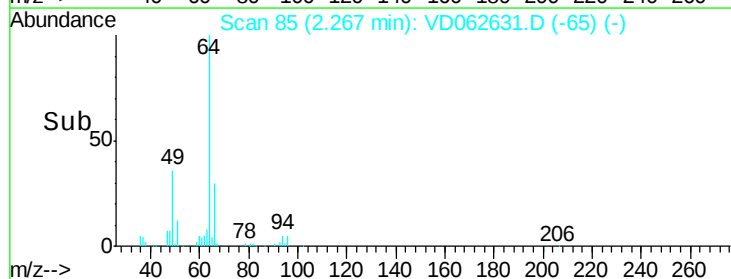
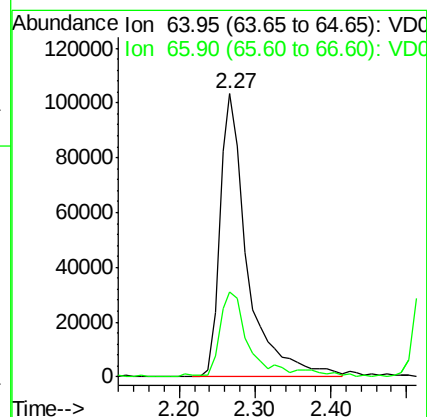
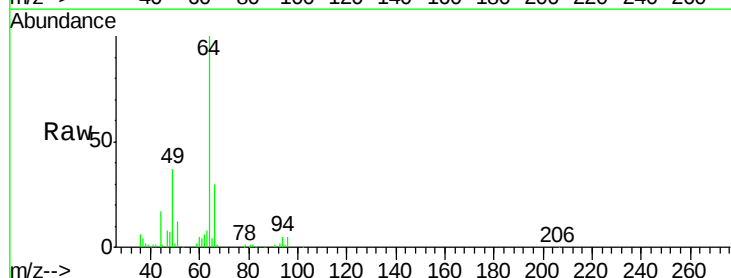
Acq: 6 Jun 2019 18:14

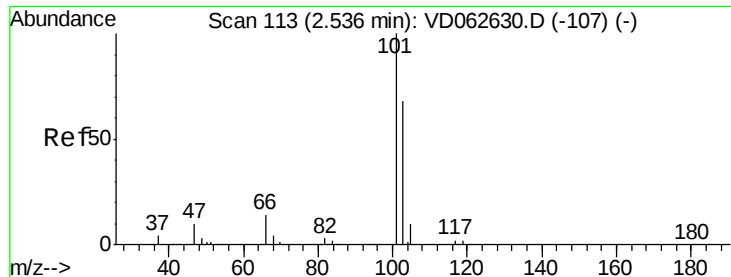
Tgt Ion: 64 Resp: 261804

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3



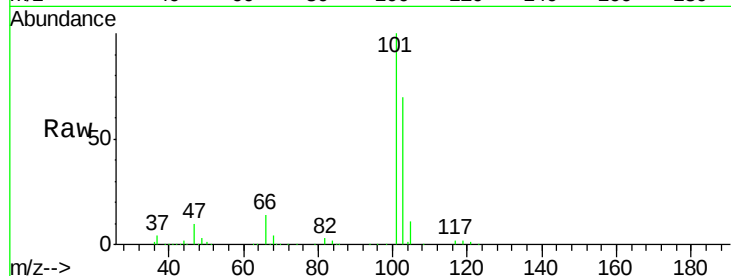


#7

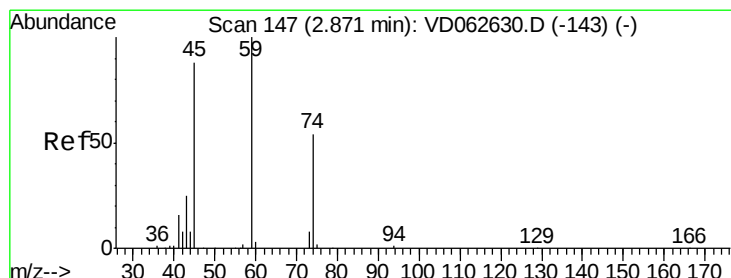
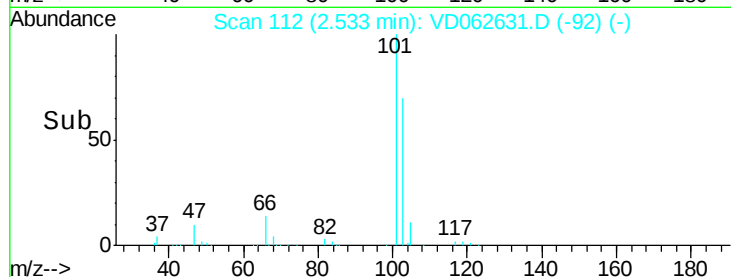
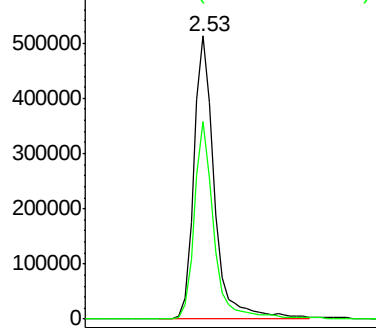
Trichlorofluoromethane
Concen: 71.145 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 1165330
Ion Ratio Lower Upper
101 100
103 69.8 54.6 81.8



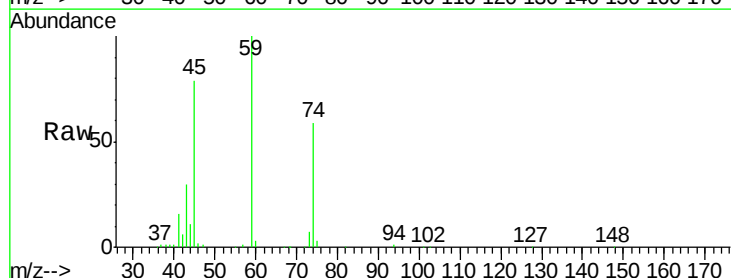
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



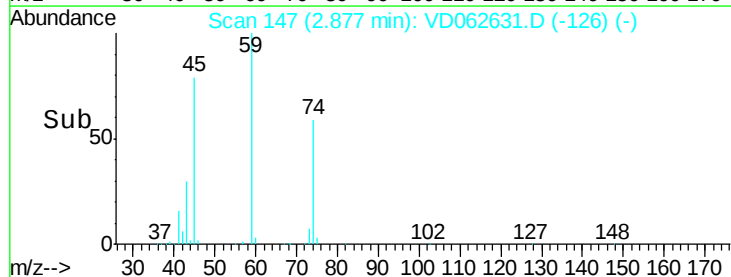
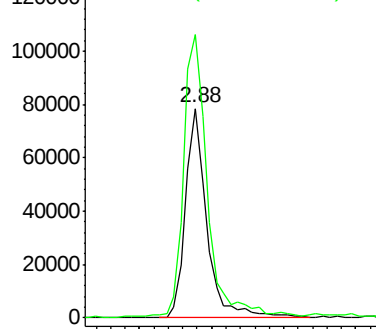
#8

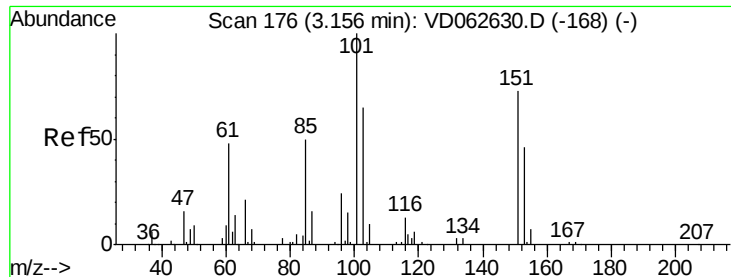
Diethyl Ether
Concen: 76.022 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 74 Resp: 159845
Ion Ratio Lower Upper
74 100
45 135.3 82.5 247.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.572 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

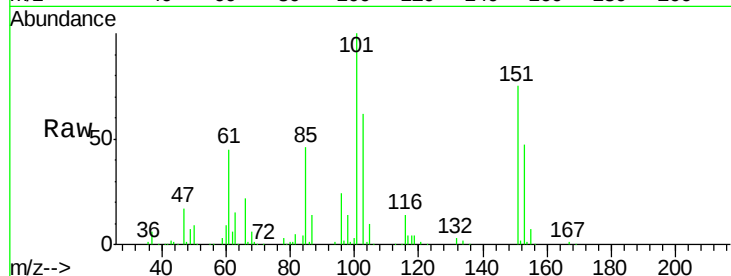
Tot Ion:101 Resp: 647160

Ion Ratio Lower Upper

101 100

85 46.2 39.8 59.6

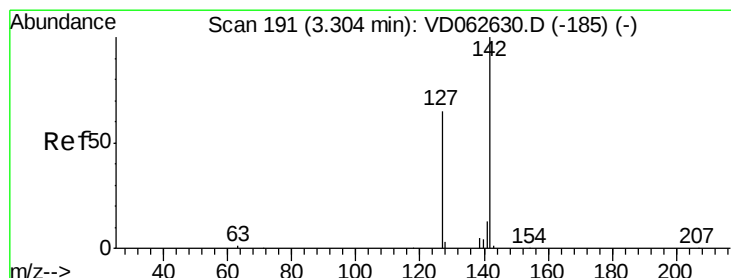
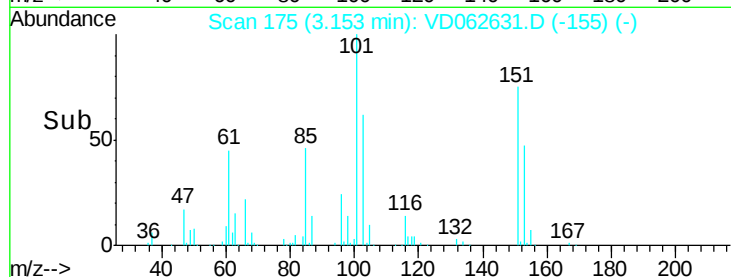
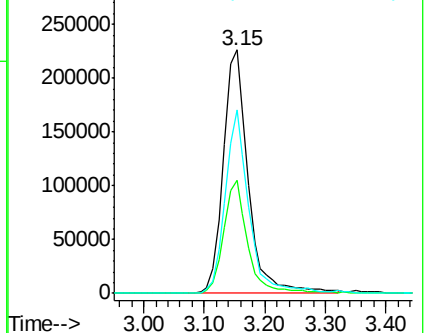
151 75.3 58.4 87.6



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: 74.155 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

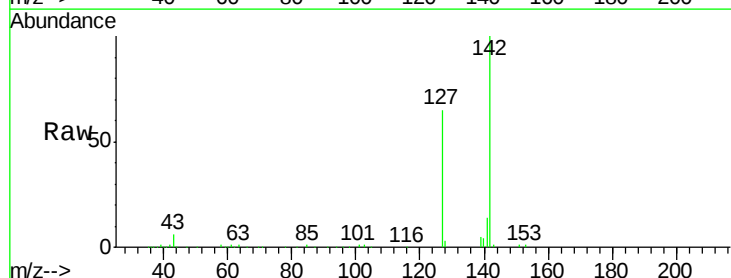
Tgt Ion:142 Resp: 859659

Ion Ratio Lower Upper

142 100

127 64.9 52.1 78.1

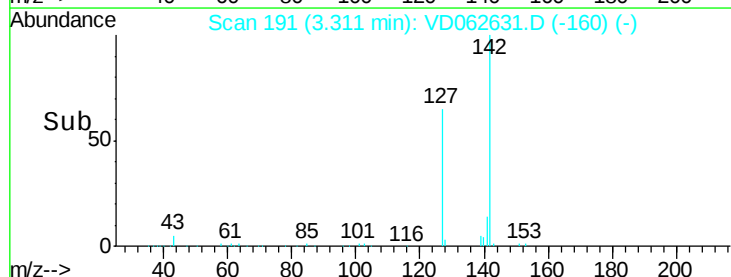
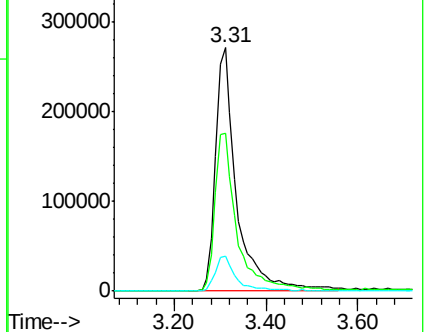
141 14.3 10.3 15.5

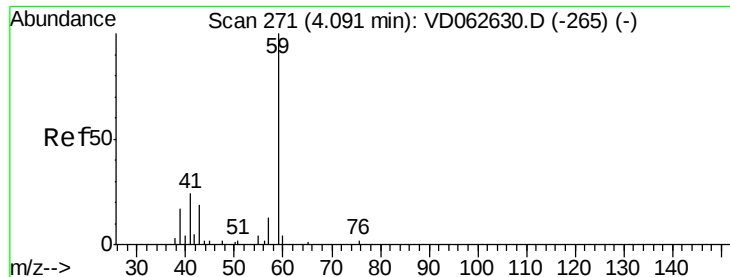


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



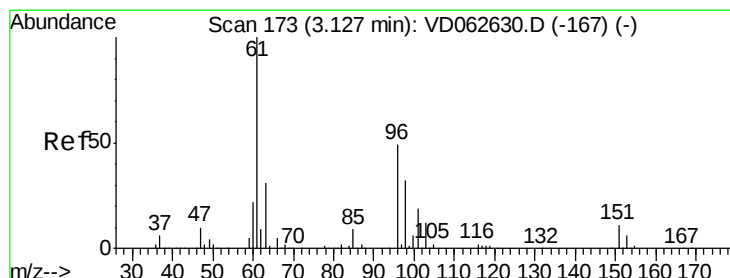
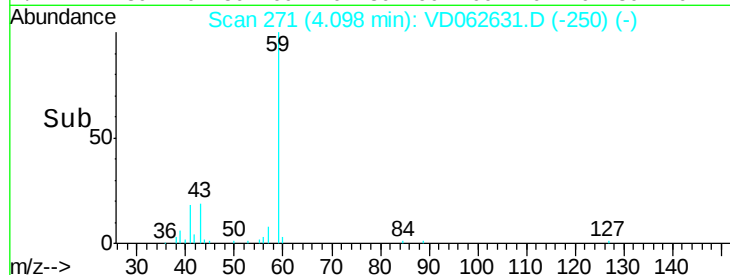
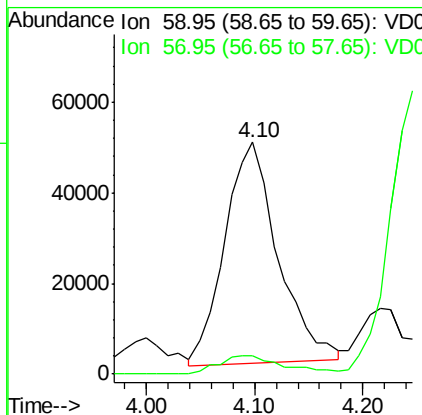
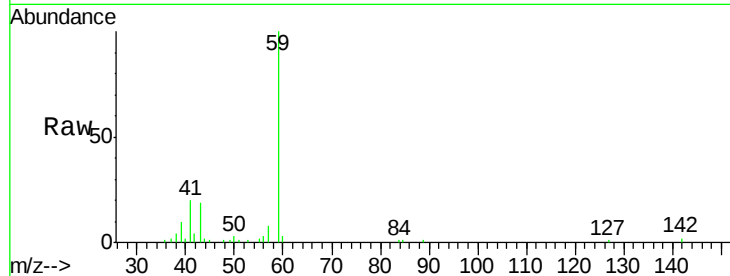


#11

Tert butyl alcohol
Concen: 358.926 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

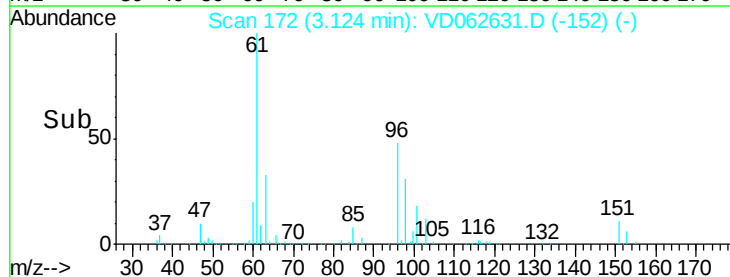
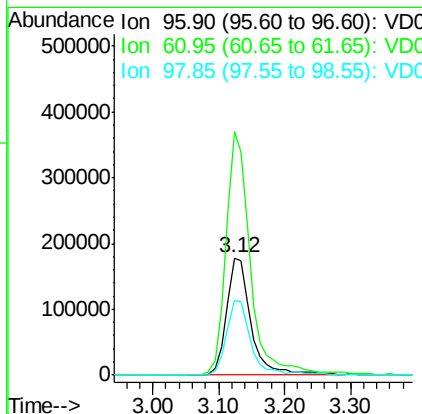
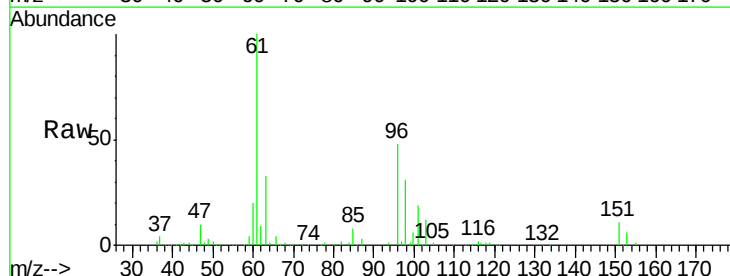
Tot Ion: 59 Resp: 167085
Ion Ratio Lower Upper
59 100
57 7.8 9.2 13.8#

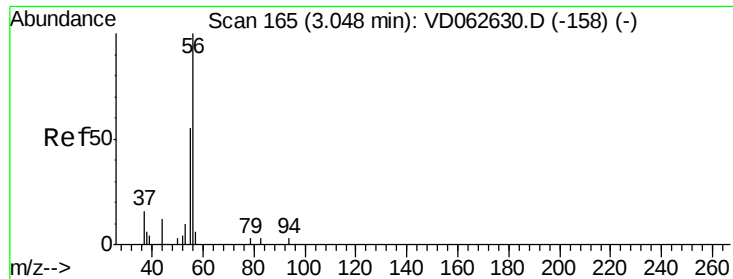


#12

1,1-Dichloroethene
Concen: 69.162 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 96 Resp: 464087
Ion Ratio Lower Upper
96 100
61 208.1 163.6 245.4
98 64.3 52.5 78.7





#13

Acrolein

Concen: 298.405 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

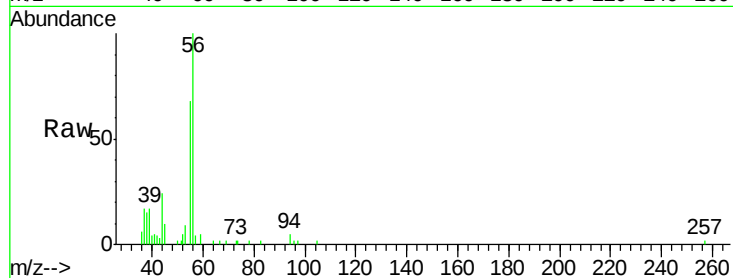
VSTDIC075

Tot Ion: 56 Resp: 50238

Ion Ratio Lower Upper

56 100

55 68.1 46.3 69.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

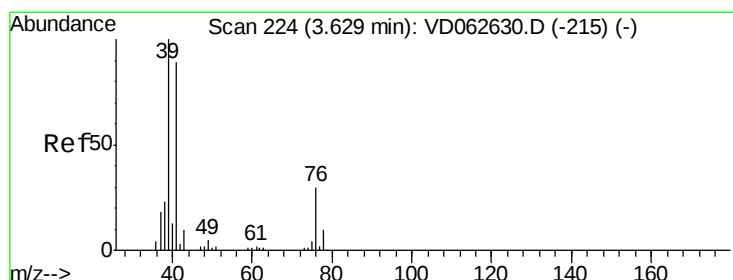
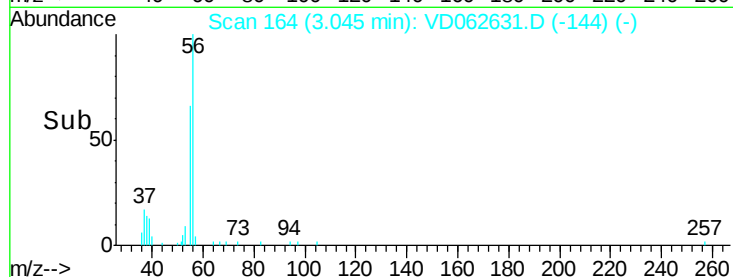
10000

5000

0

Time--> 2.90 3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 70.063 ug/l

RT: 3.63 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

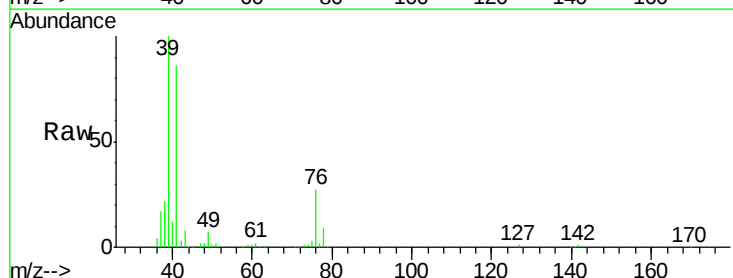
Tgt Ion: 41 Resp: 715980

Ion Ratio Lower Upper

41 100

39 116.9 90.1 135.1

76 31.8 28.9 43.3



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

400000

300000

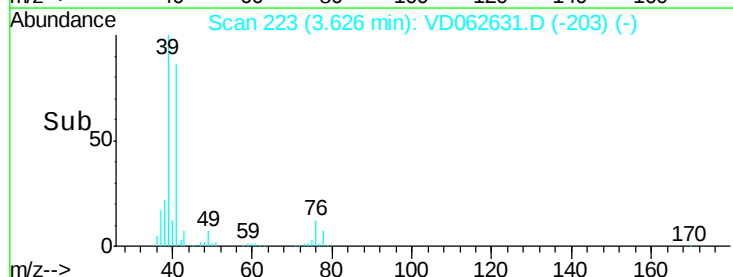
200000

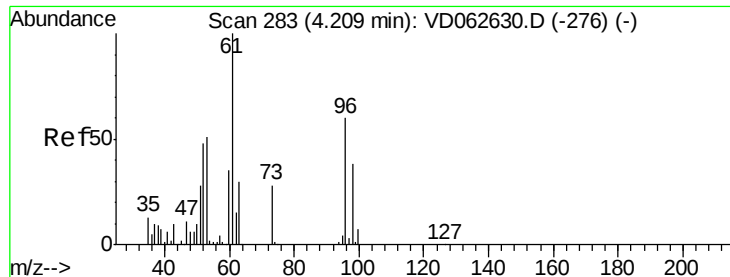
100000

0

Time--> 3.50 3.60 3.70 3.80

3.63





#15

Acrylonitrile

Concen: 380.595 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

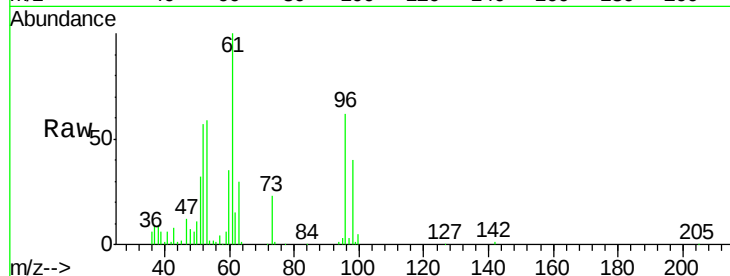
Tot Ion: 53 Resp: 393790

Ion Ratio Lower Upper

53 100

52 97.8 74.8 112.2

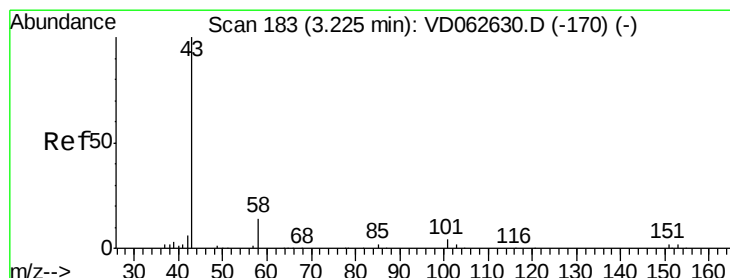
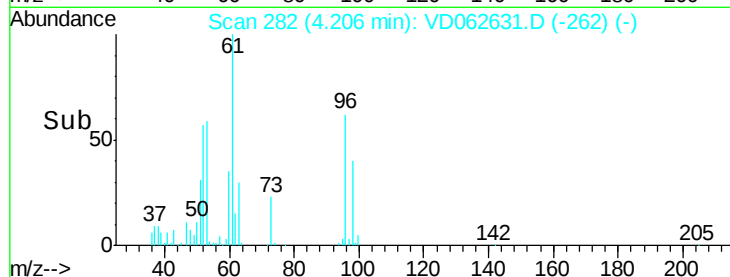
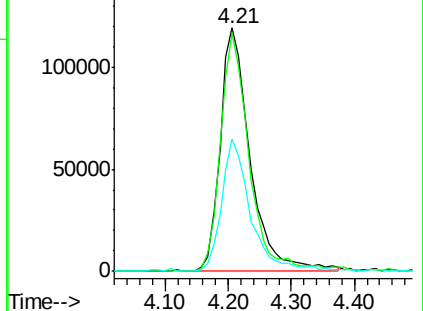
51 54.3 43.9 65.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 393.024 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062631.D

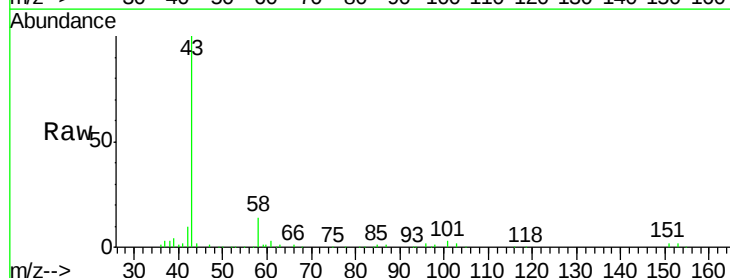
Acq: 6 Jun 2019 18:14

Tgt Ion: 43 Resp: 759762

Ion Ratio Lower Upper

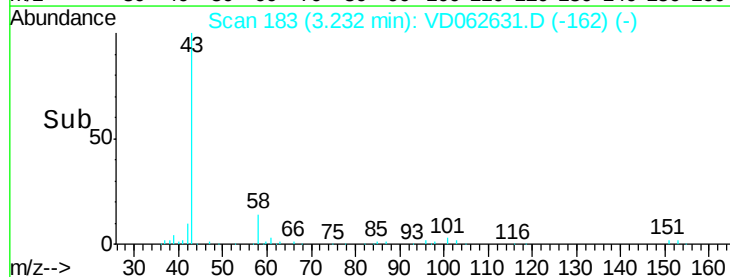
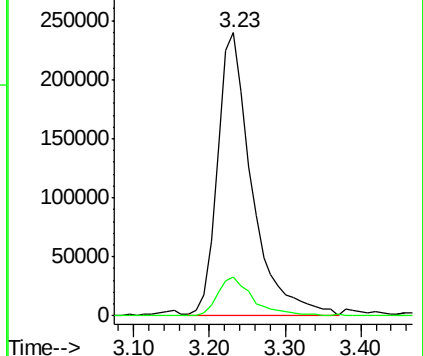
43 100

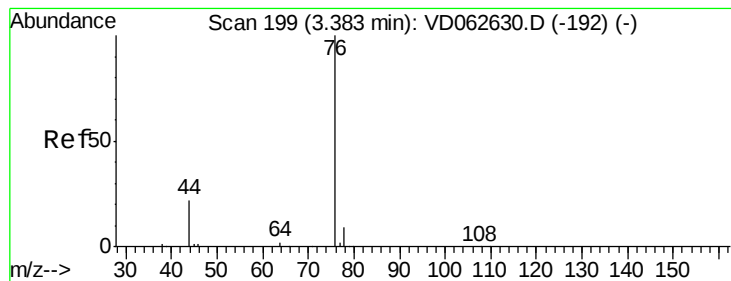
58 13.8 11.3 16.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 72.264 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

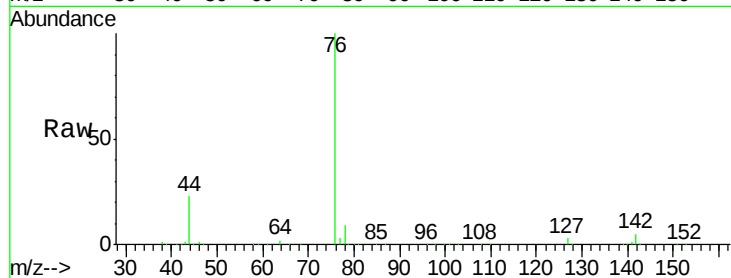
VSTDIC075

Tot Ion: 76 Resp: 1414842

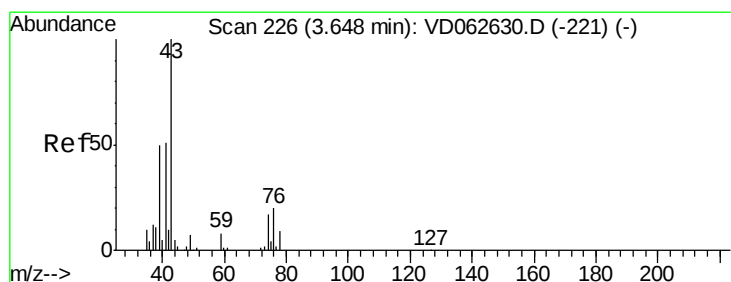
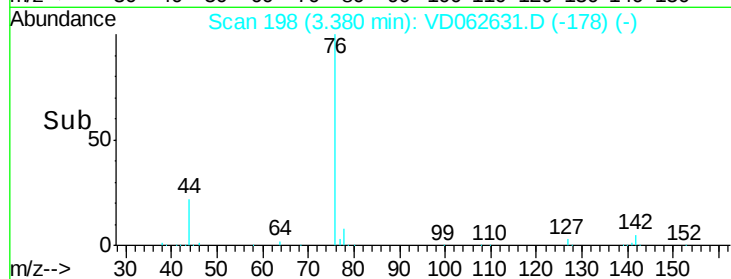
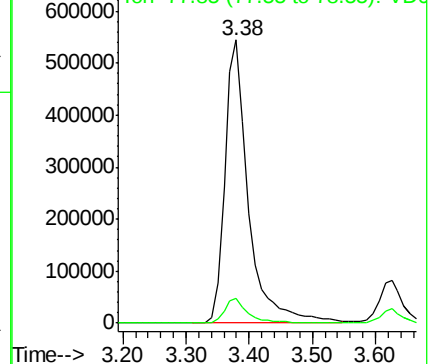
Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 60.228 ug/l

RT: 3.65 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062631.D

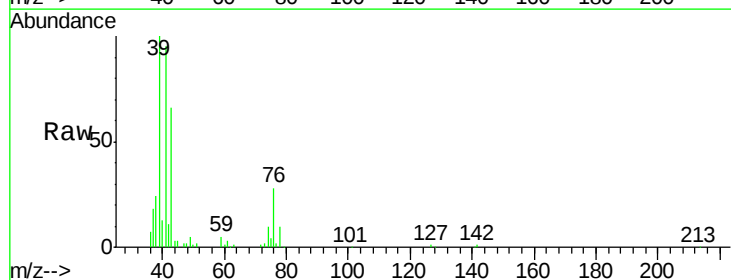
Acq: 6 Jun 2019 18:14

Tgt Ion: 43 Resp: 203499

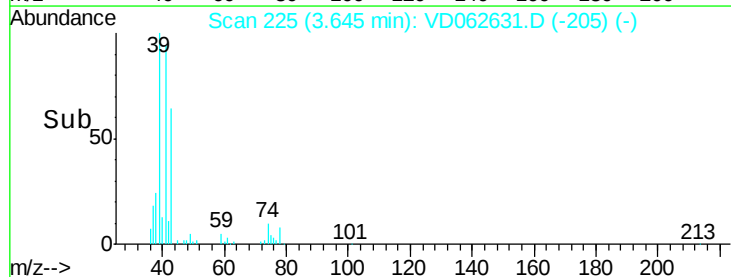
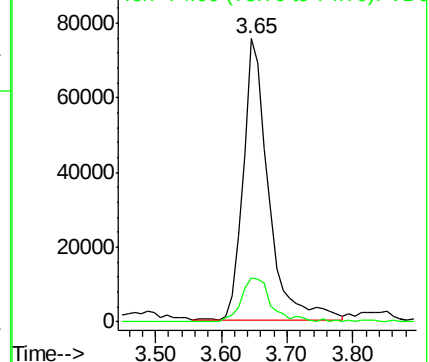
Ion Ratio Lower Upper

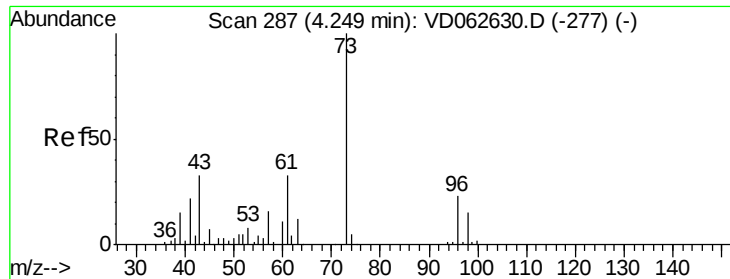
43 100

74 15.6 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

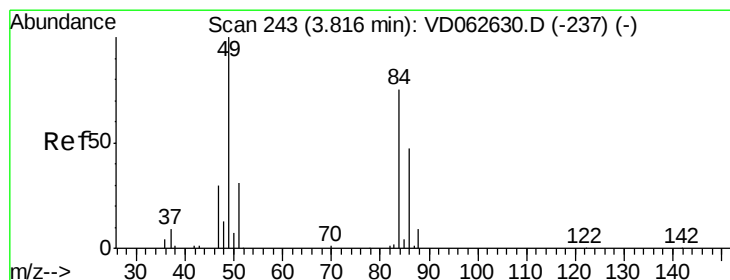
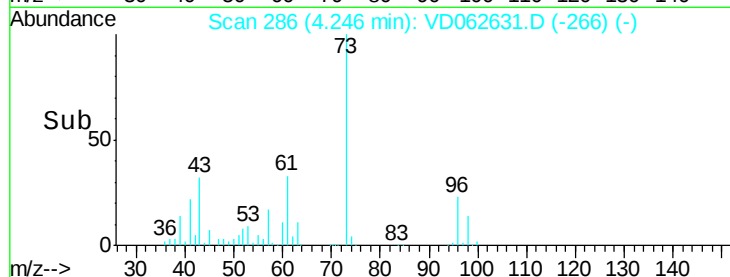
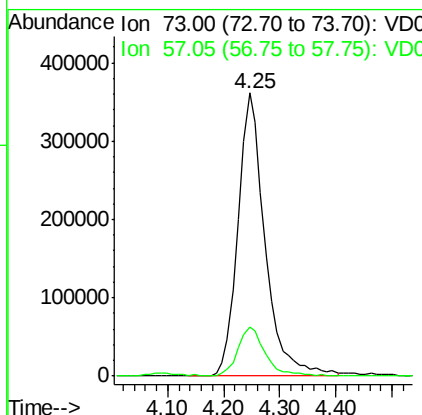
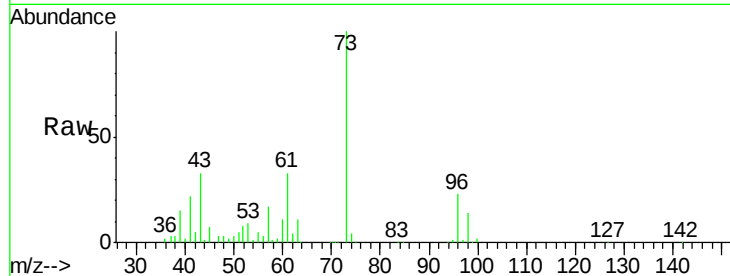




#19
Methvl tert-butvl Ether
Concen: 73.787 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

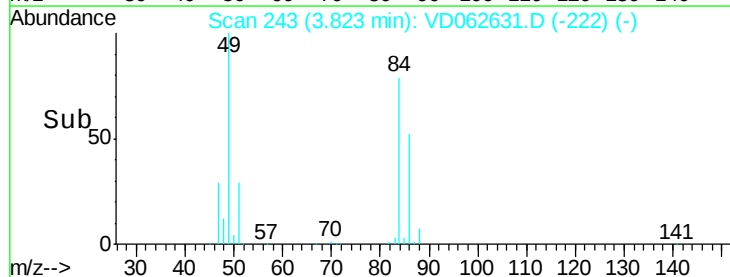
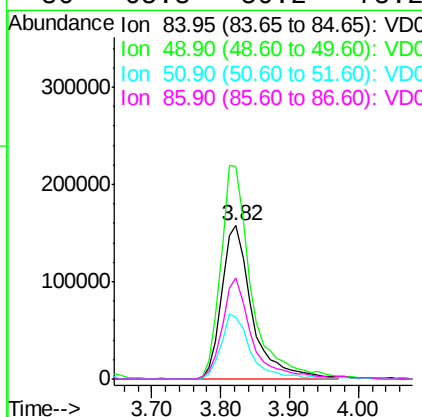
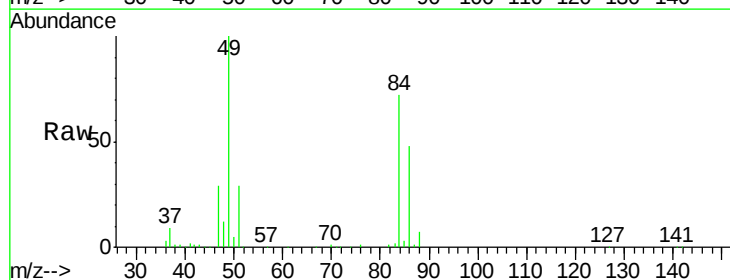
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

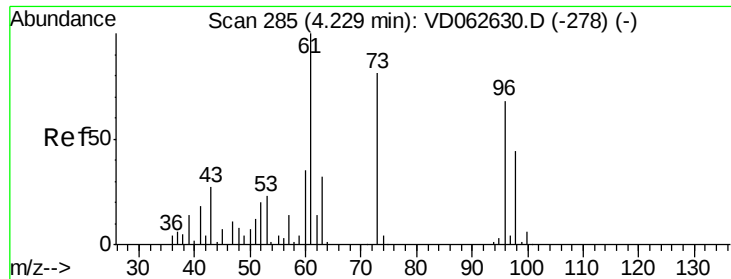
Tot Ion: 73 Resp: 1211878
Ion Ratio Lower Upper
73 100
57 17.3 13.4 20.0



#20
Methylene Chloride
Concen: 65.752 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 84 Resp: 484754
Ion Ratio Lower Upper
84 100
49 138.5 107.1 160.7
51 40.3 33.5 50.3
86 65.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 73.157 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

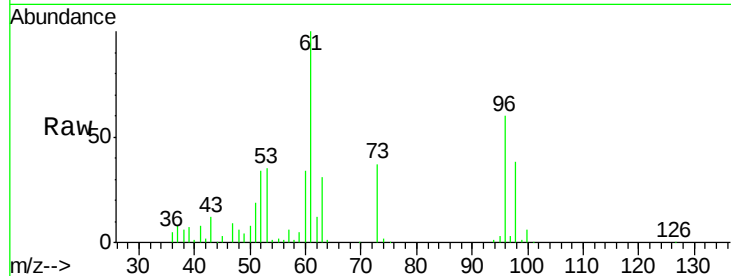
Tot Ion: 96 Resp: 541063

Ion Ratio Lower Upper

96 100

61 166.1 118.0 177.0

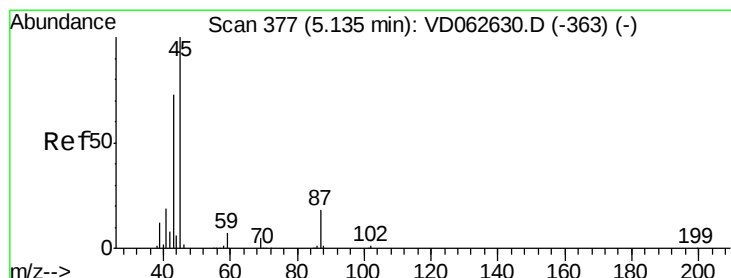
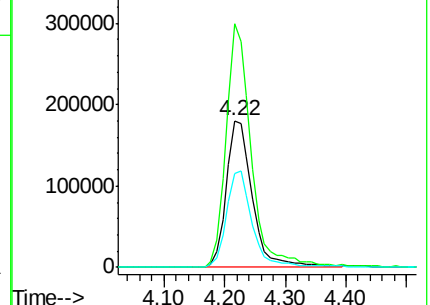
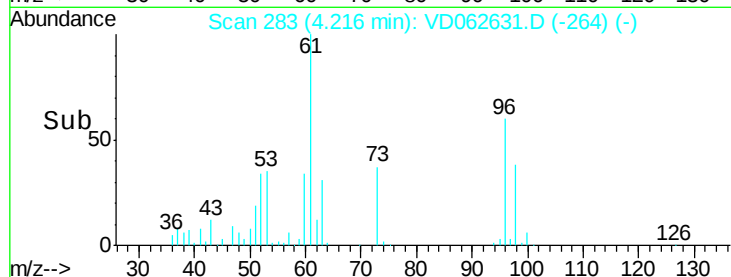
98 63.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 74.281 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Tgt Ion: 45 Resp: 1596082

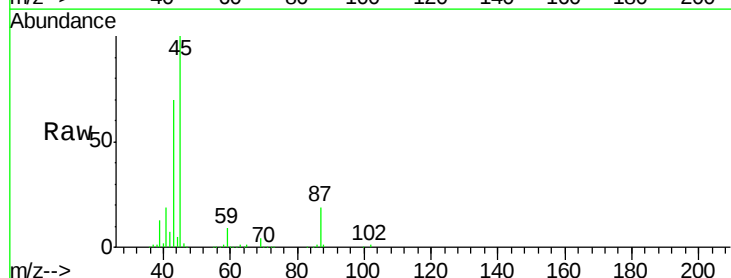
Ion Ratio Lower Upper

45 100

43 69.8 58.7 88.1

87 18.7 14.6 21.8

59 9.4 6.4 9.6

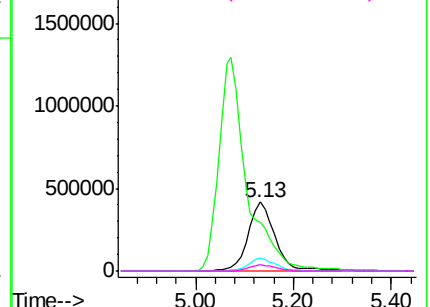
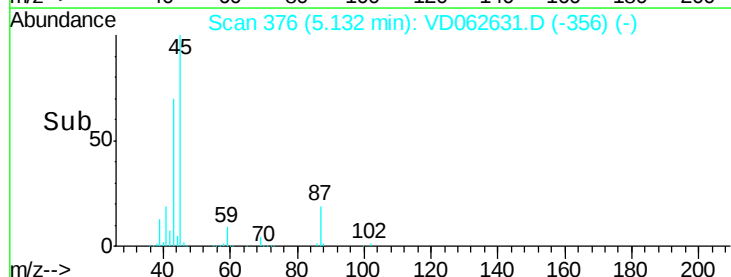


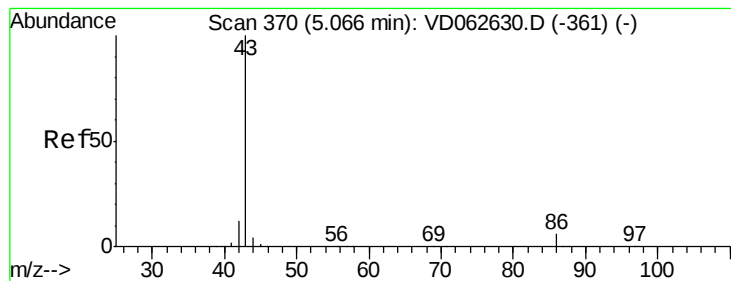
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 386.297 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

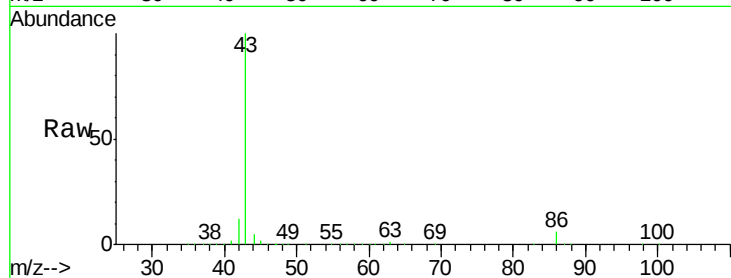
VSTDIC075

Tot Ion: 43 Resp: 5106274

Ion Ratio Lower Upper

43 100

86 6.3 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

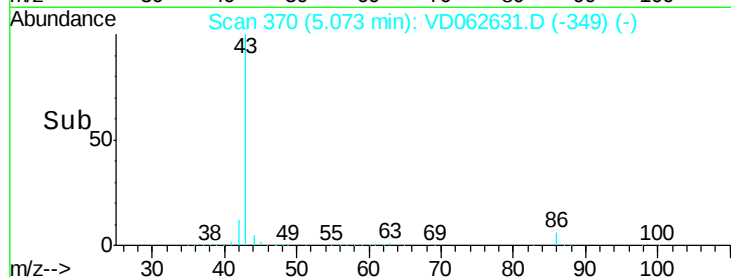
1500000

1000000

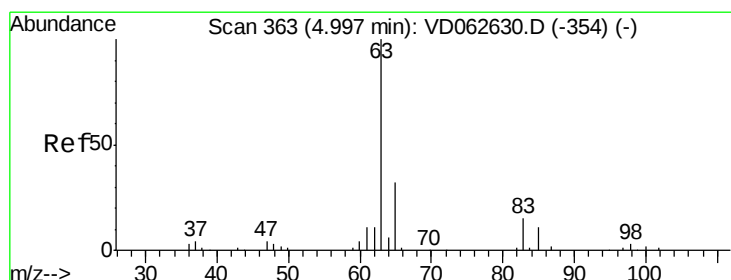
500000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 71.574 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

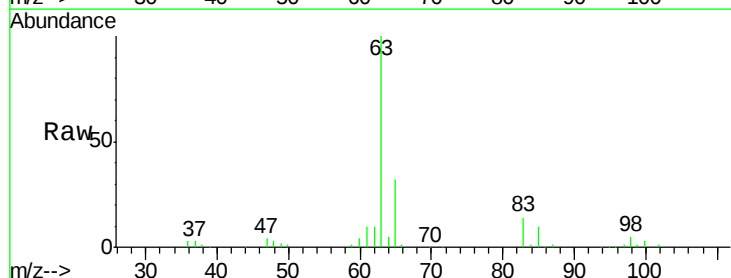
Tgt Ion: 63 Resp: 978506

Ion Ratio Lower Upper

63 100

98 4.6 1.7 5.1

100 3.0 1.0 3.0



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

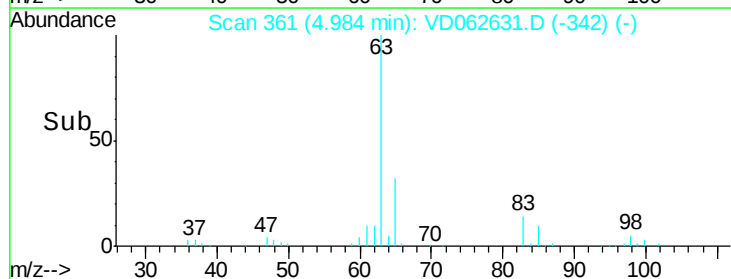
300000

200000

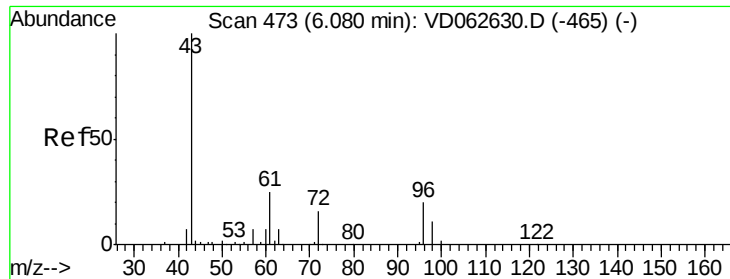
100000

0

Time-->



Time-->



#25

2-Butanone

Concen: 405.196 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

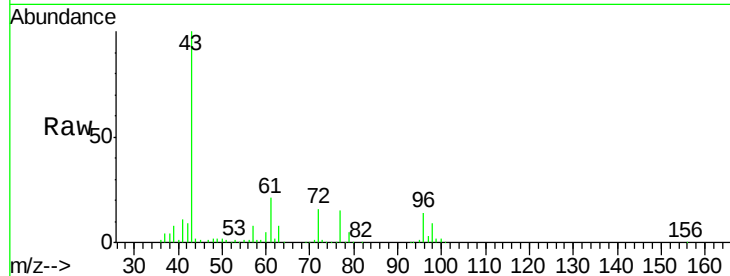
VSTDIC075

Tot Ion: 43 Resp: 728003

Ion Ratio Lower Upper

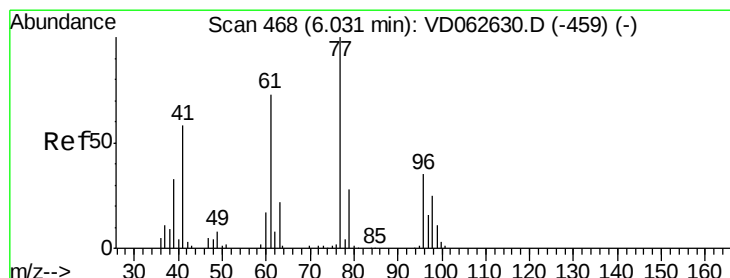
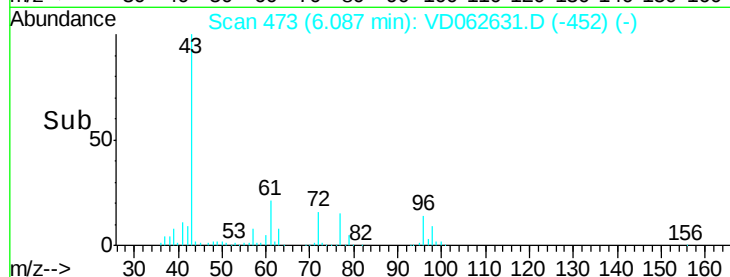
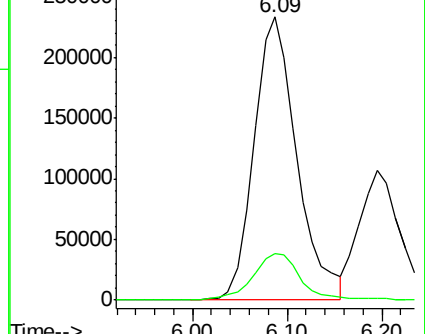
43 100

72 16.3 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 73.700 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062631.D

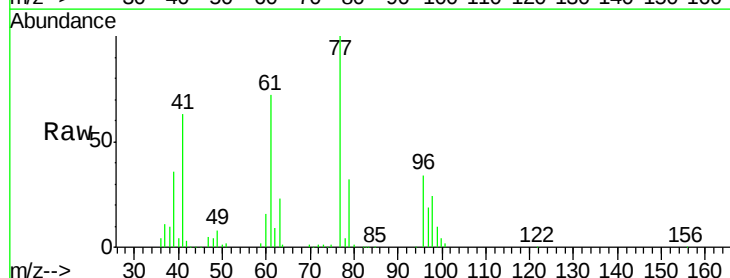
Acq: 6 Jun 2019 18:14

Tgt Ion: 77 Resp: 1100704

Ion Ratio Lower Upper

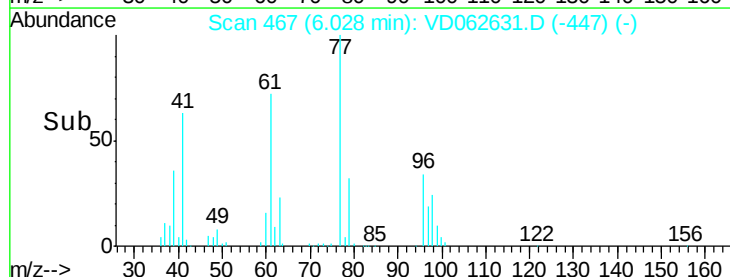
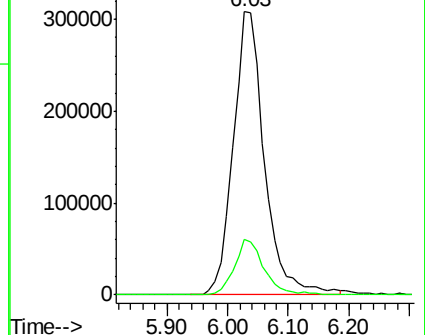
77 100

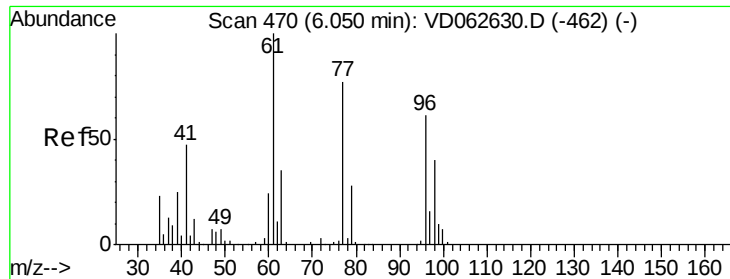
97 19.4 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



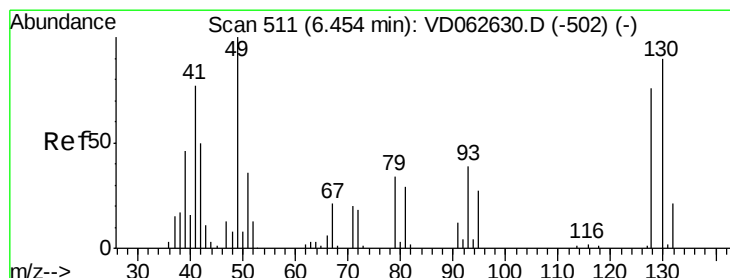
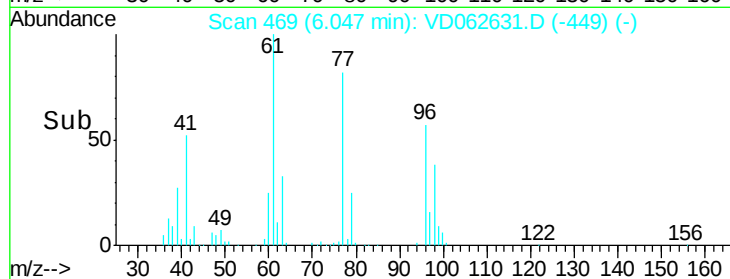
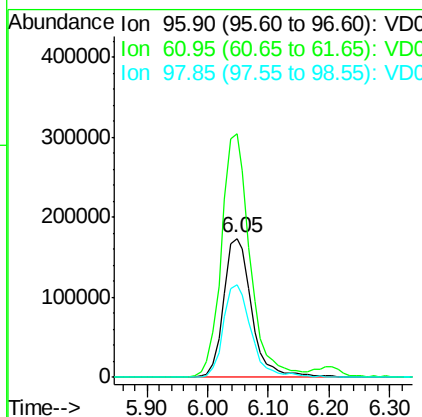
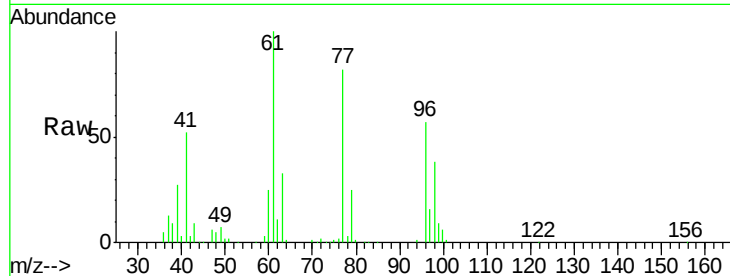


#27

cis-1,2-Dichloroethene
 Concen: 71.086 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

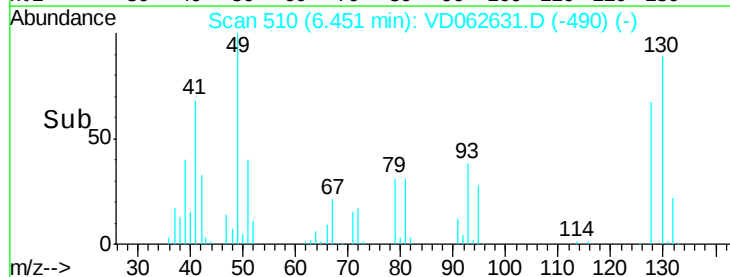
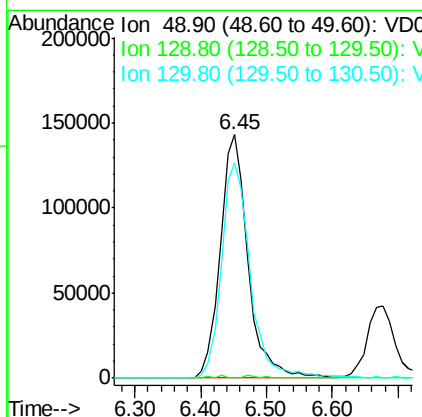
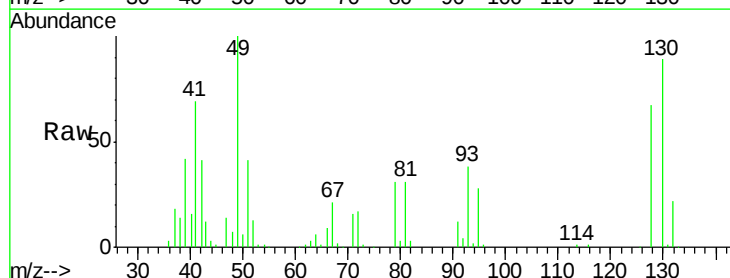
Tot Ion	96	Resp	556657
Ion	Ratio	Lower	Upper
96	100		
61	174.9	0.0	330.2
98	66.9	0.0	132.4

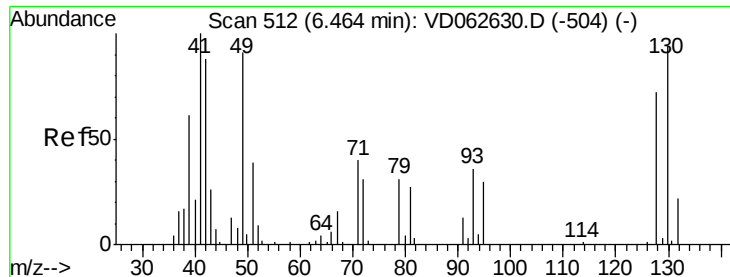


#28

Bromochloromethane
 Concen: 80.805 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion	49	Resp	421105
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	88.7	72.2	108.2





#29

Tetrahydrofuran

Concen: 403.107 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

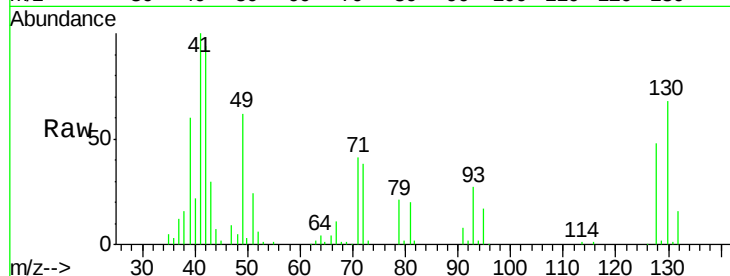
Tot Ion: 42 Resp: 337818

Ion Ratio Lower Upper

42 100

72 42.1 31.4 47.2

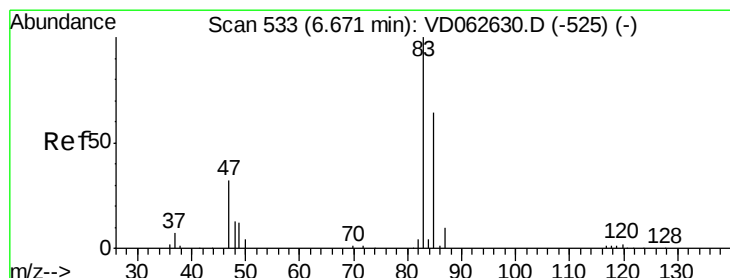
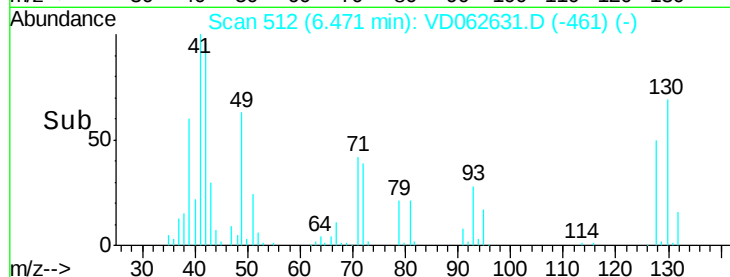
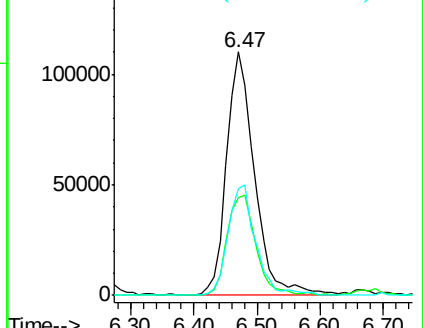
71 44.7 34.0 51.0



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: 72.320 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062631.D

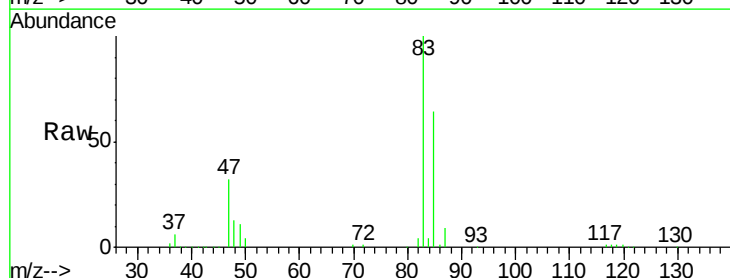
Acq: 6 Jun 2019 18:14

Tgt Ion: 83 Resp: 1237678

Ion Ratio Lower Upper

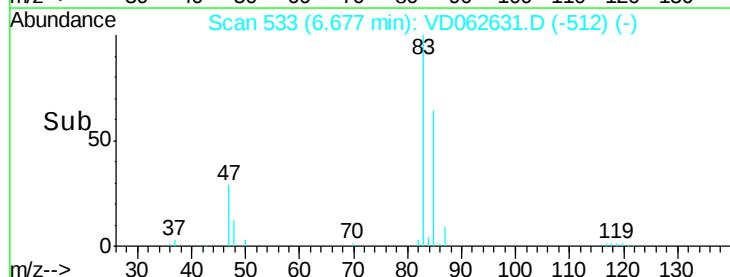
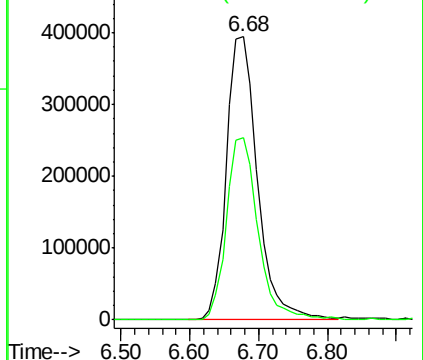
83 100

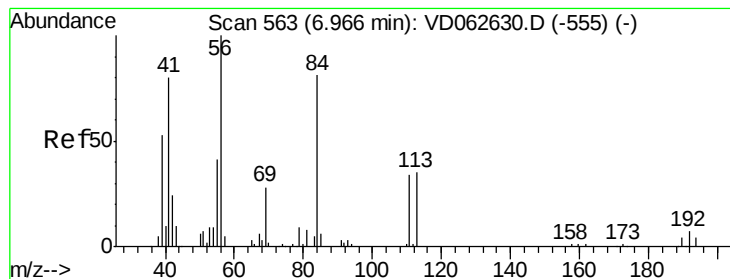
85 64.4 51.0 76.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 70.092 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

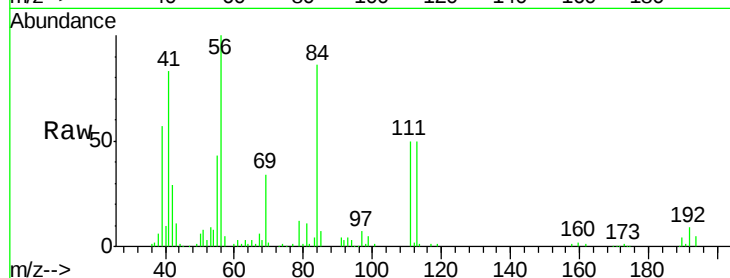
MSVOA_D

ClientSampleId :

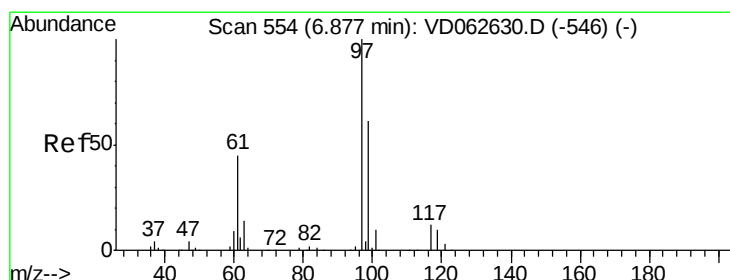
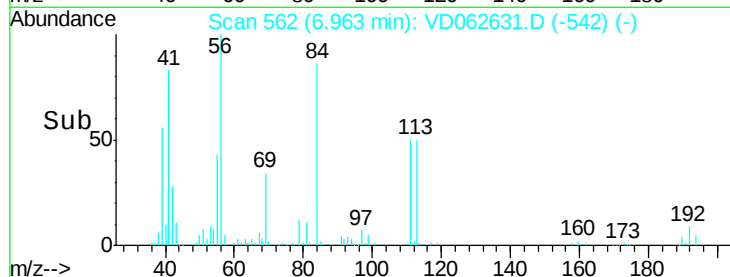
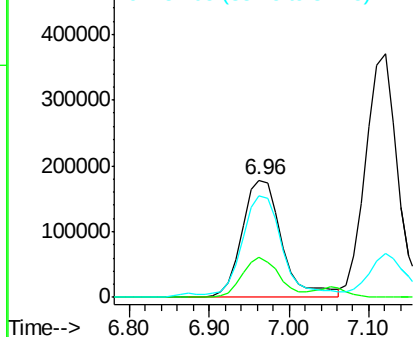
VSTDIC075

Tot Ion: 56 Resp: 616052

Ion	Ratio	Lower	Upper
56	100		
69	34.5	22.4	33.6#
84	86.2	67.8	101.8



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: 74.095 ug/l

RT: 6.88 min Scan# 554

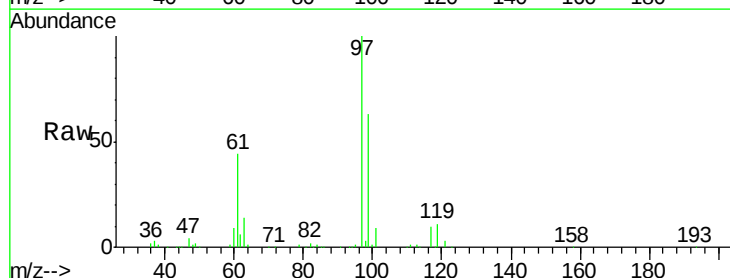
Delta R.T. 0.01 min

Lab File: VD062631.D

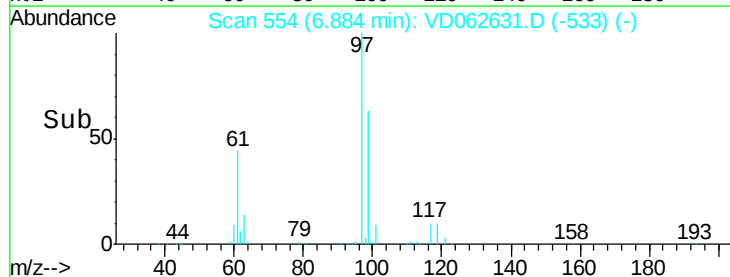
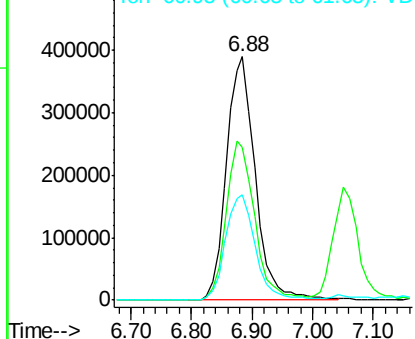
Acq: 6 Jun 2019 18:14

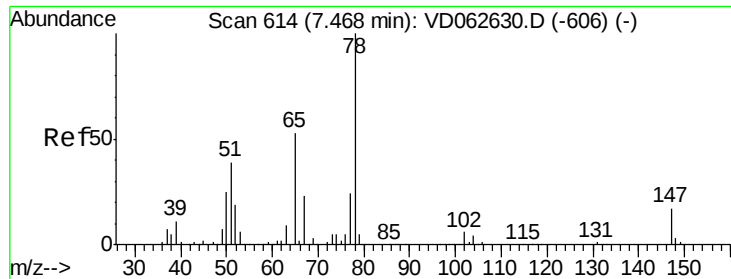
Tgt Ion: 97 Resp: 1287325

Ion	Ratio	Lower	Upper
97	100		
99	62.6	49.0	73.6
61	43.5	36.2	54.2



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: 74.335 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

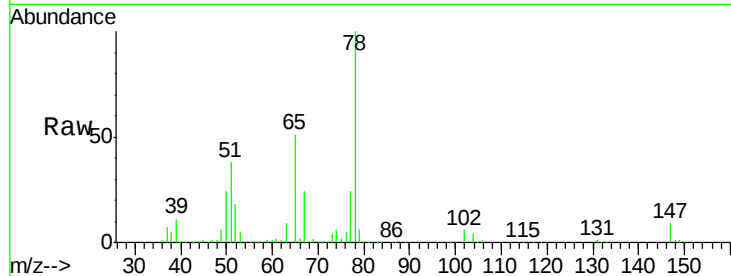
VSTDIC075

Tot Ion: 65 Resp: 795293

Ion Ratio Lower Upper

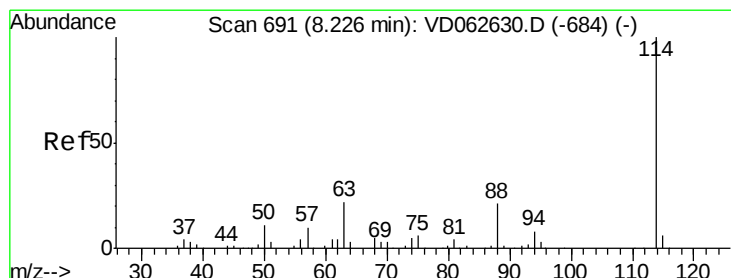
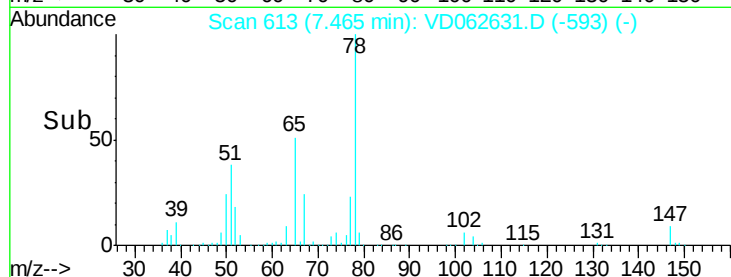
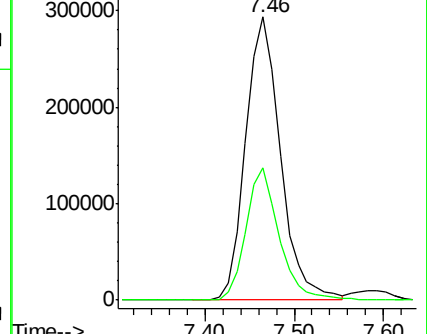
65 100

67 46.7 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

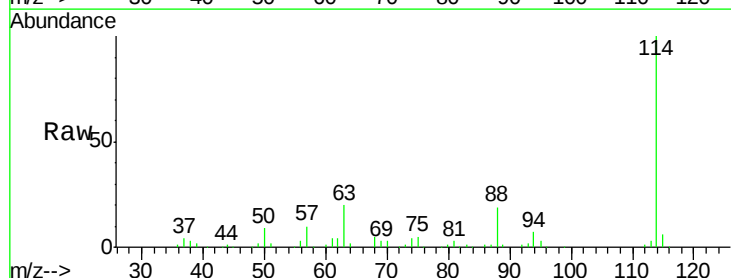
Tgt Ion: 114 Resp: 1046541

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.6

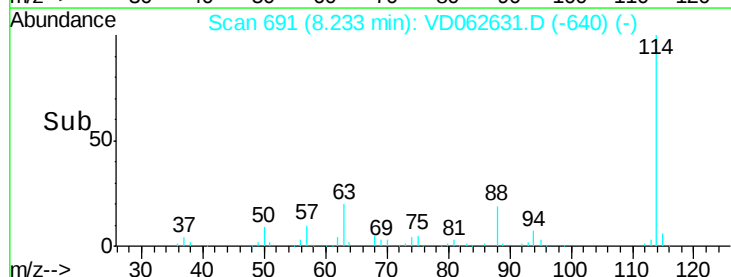
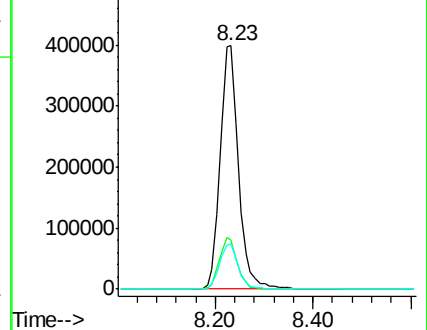
88 18.8 0.0 41.4

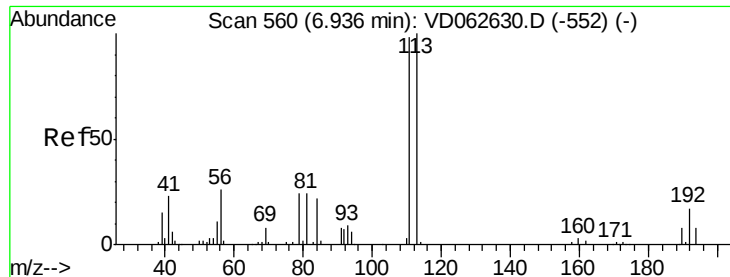


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 73.713 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

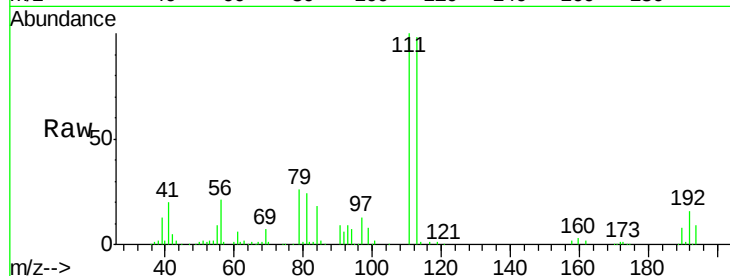
Tot Ion:113 Resp: 787147

Ion Ratio Lower Upper

113 100

111 101.6 78.5 117.7

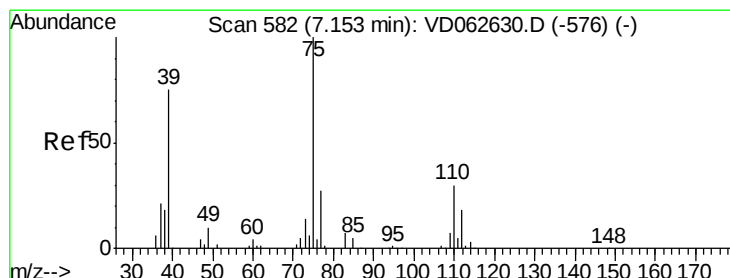
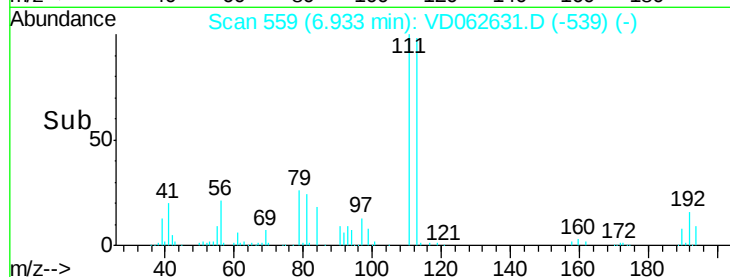
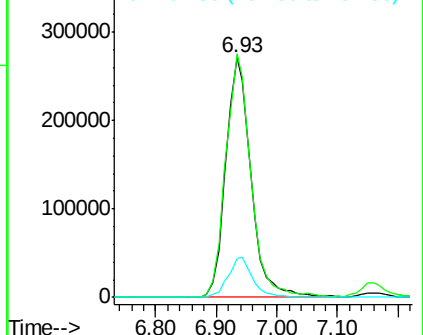
192 16.0 13.8 20.6



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: 71.643 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

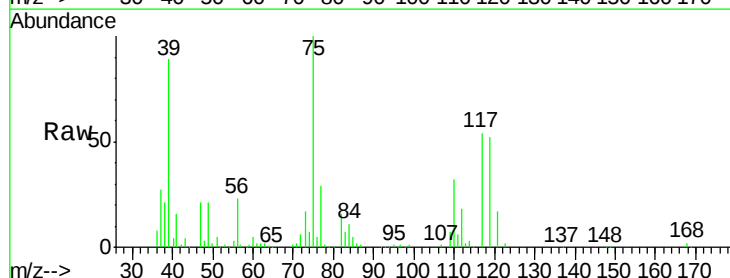
Tgt Ion: 75 Resp: 811670

Ion Ratio Lower Upper

75 100

110 32.1 14.8 44.3

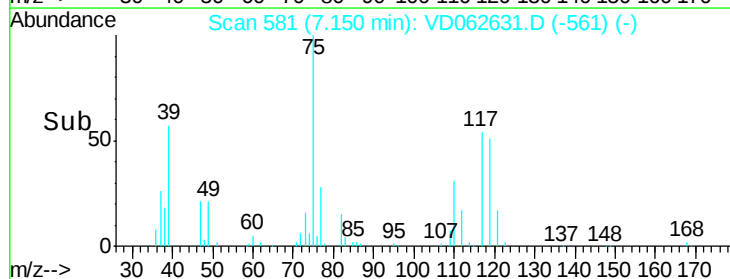
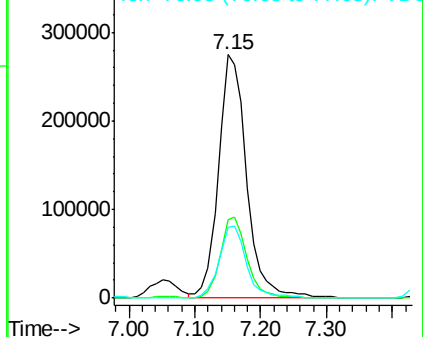
77 29.0 21.8 32.6

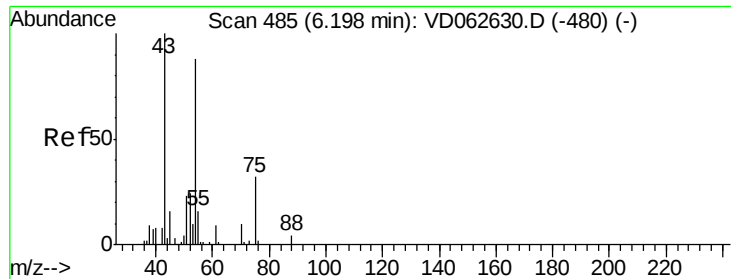


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

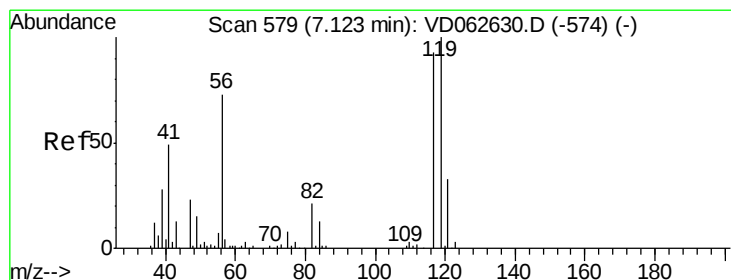
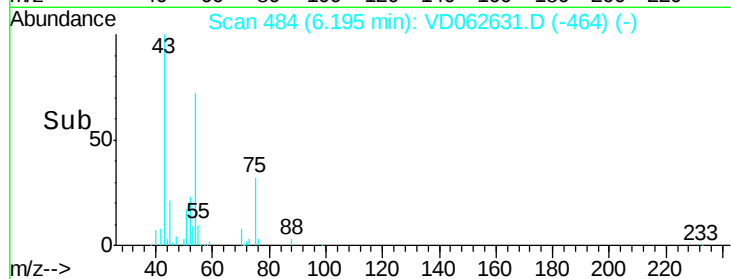
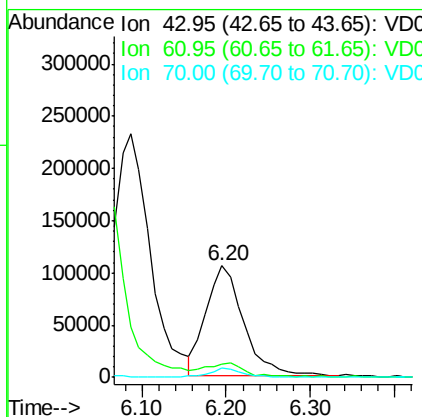
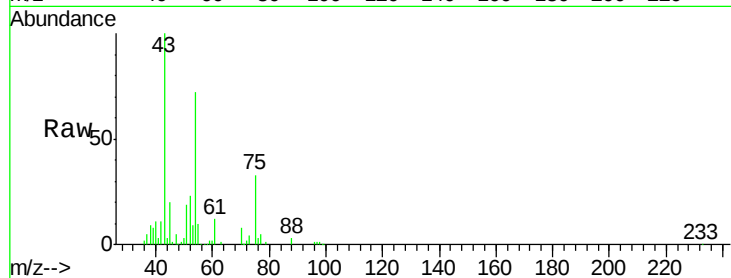




#37
Ethyl Acetate
Concen: 72.587 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

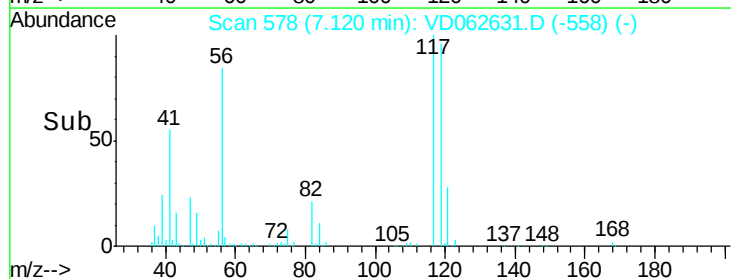
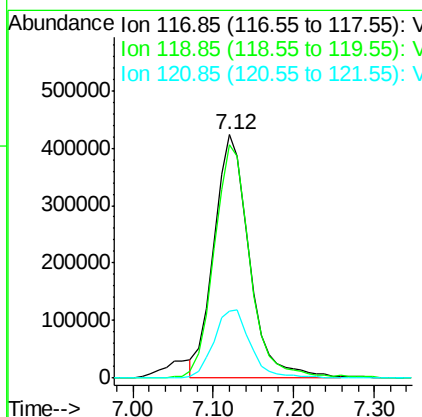
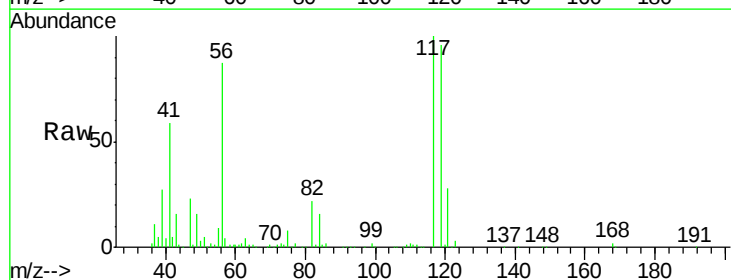
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

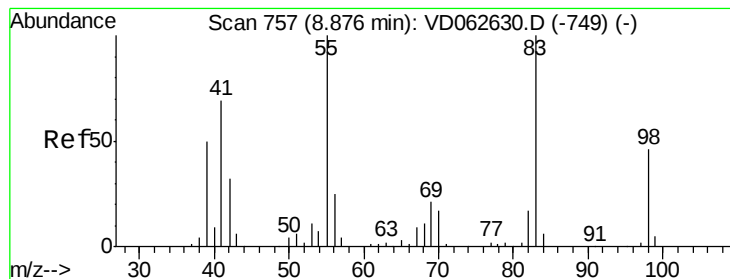
Tot Ion: 43 Resp: 329547
Ion Ratio Lower Upper
43 100
61 11.8 11.7 17.5
70 8.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 76.826 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 117 Resp: 1296698
Ion Ratio Lower Upper
117 100
119 95.9 81.0 121.4
121 27.8 26.2 39.4





#39

Methvlcvclohexane

Concen: 71.131 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

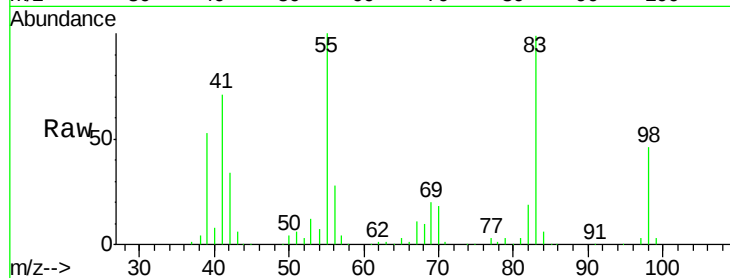
Tot Ion: 83 Resp: 675167

Ion Ratio Lower Upper

83 100

55 101.3 79.8 119.8

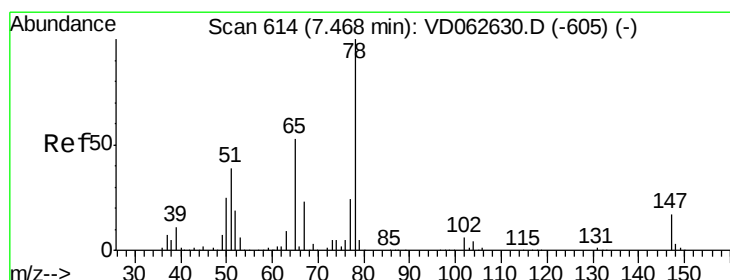
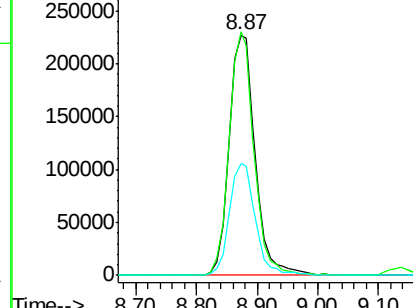
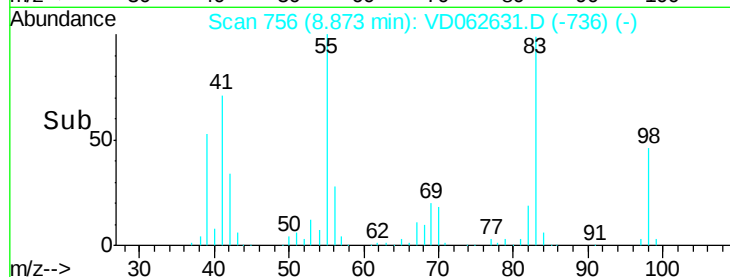
98 46.8 36.9 55.3



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 74.054 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062631.D

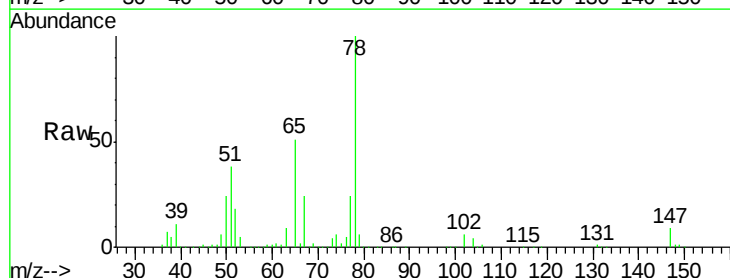
Acq: 6 Jun 2019 18:14

Tgt Ion: 78 Resp: 1619826

Ion Ratio Lower Upper

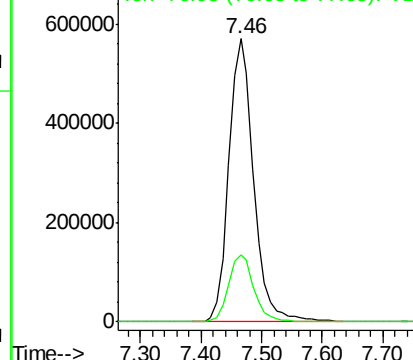
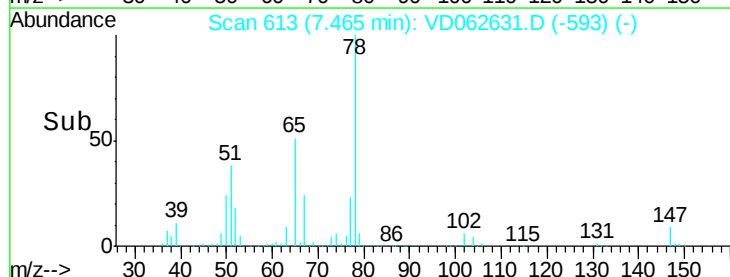
78 100

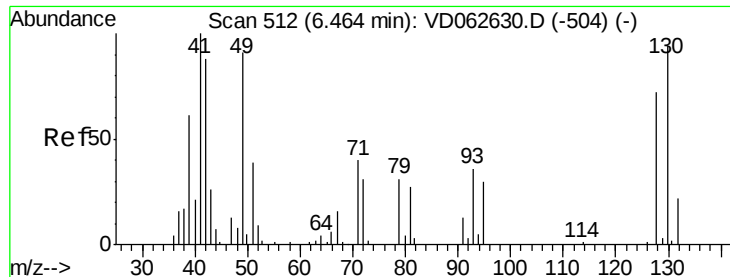
77 23.6 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 79.071 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 459868

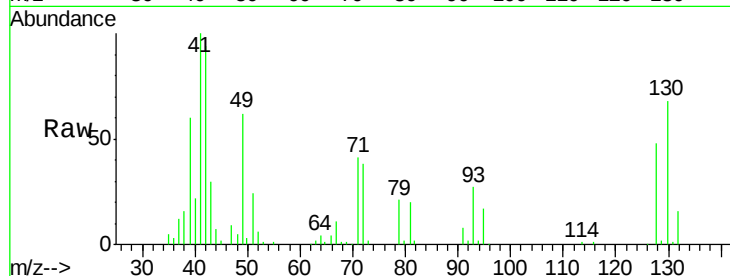
Ion Ratio Lower Upper

41 100

39 60.2 48.9 73.3

67 10.8 12.6 18.8#

52 6.1 7.5 11.3#

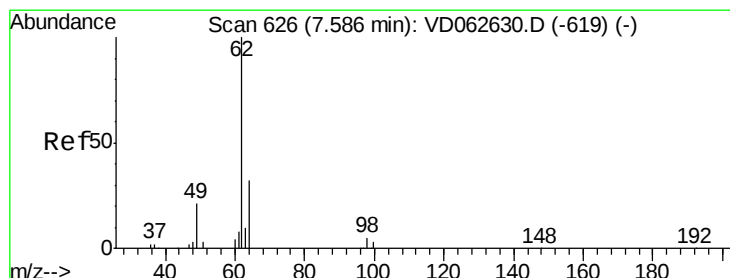
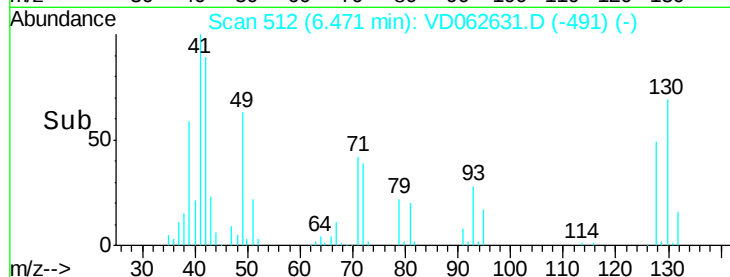
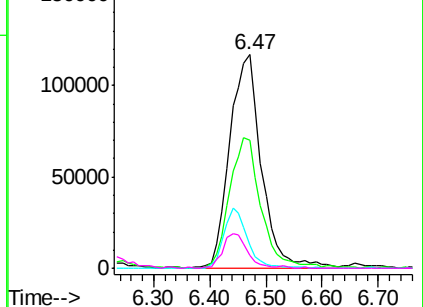


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 71.069 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062631.D

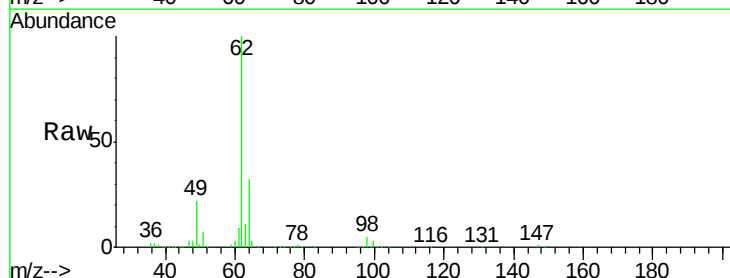
Acq: 6 Jun 2019 18:14

Tgt Ion: 62 Resp: 928573

Ion Ratio Lower Upper

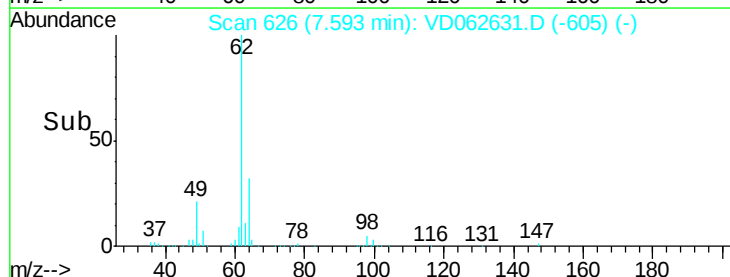
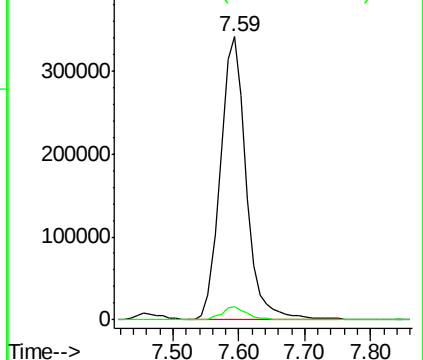
62 100

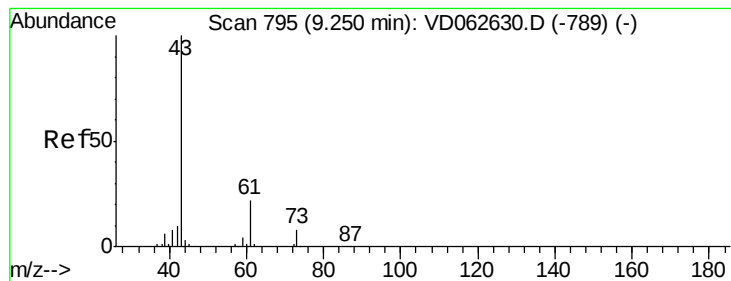
98 4.6 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



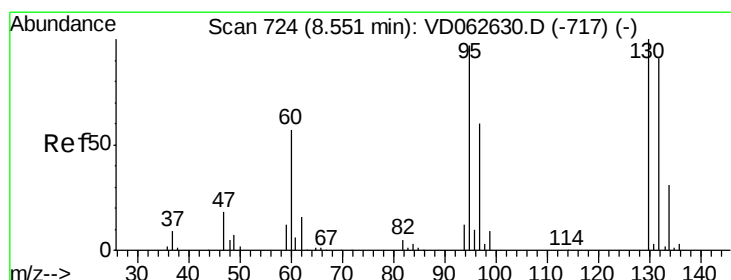
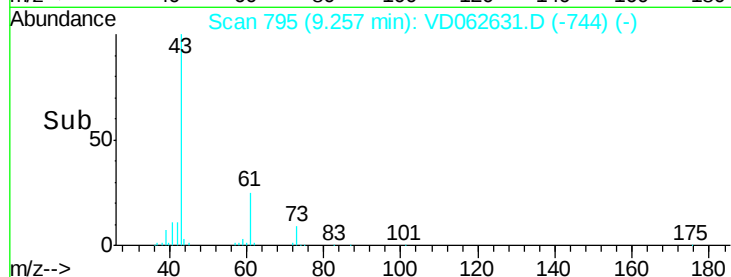
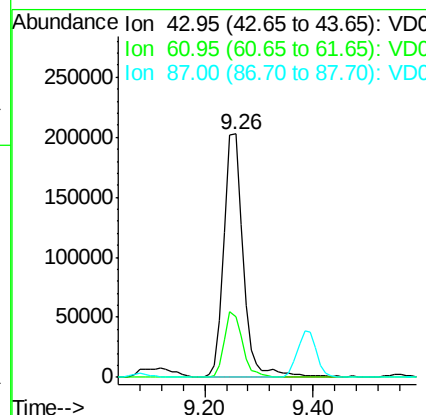
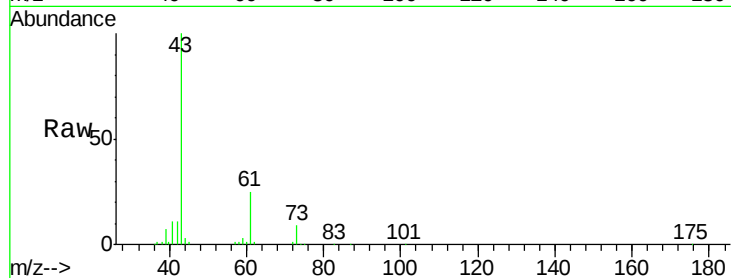


#43

Isopropyl Acetate
 Concen: 80.059 ug/l
 RT: 9.26 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

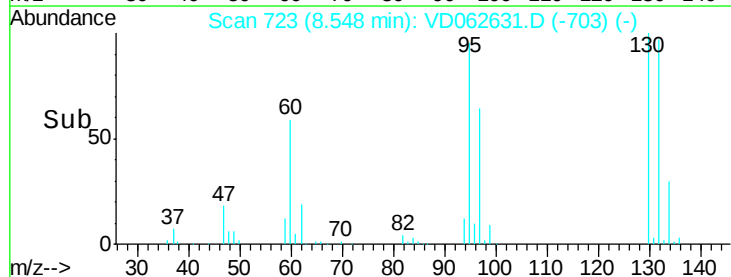
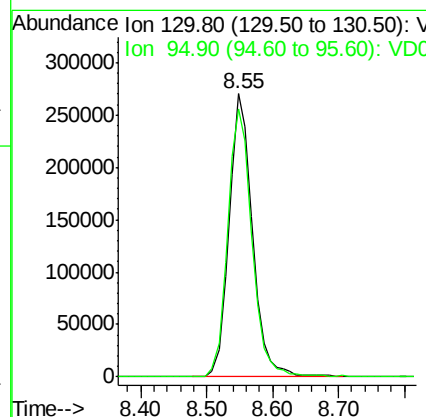
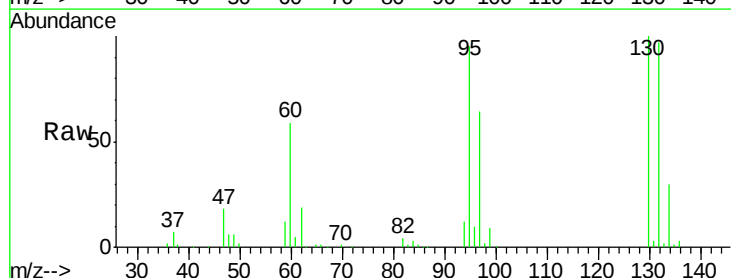
Tot Ion: 43 Resp: 494053
 Ion Ratio Lower Upper
 43 100
 61 25.0 17.8 26.8
 87 0.4 0.3 0.5

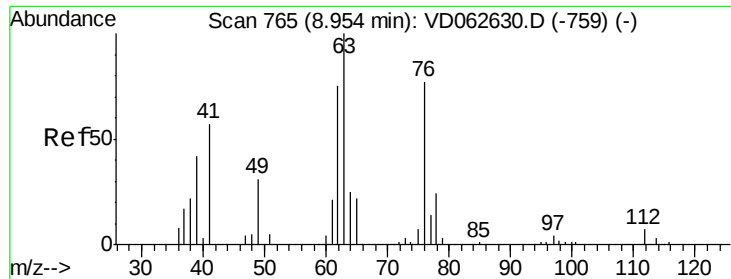


#44

Trichloroethene
 Concen: 74.322 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion: 130 Resp: 670800
 Ion Ratio Lower Upper
 130 100
 95 94.8 0.0 193.2





#45

1,2-Dichloropropane

Concen: 71.673 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

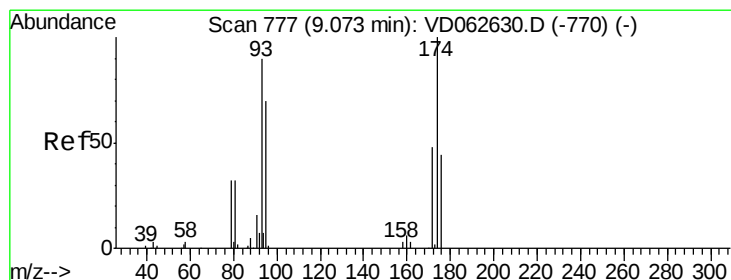
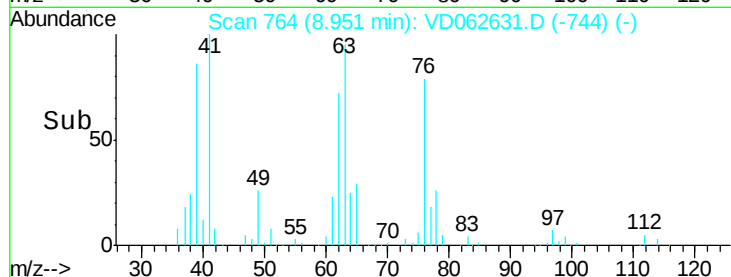
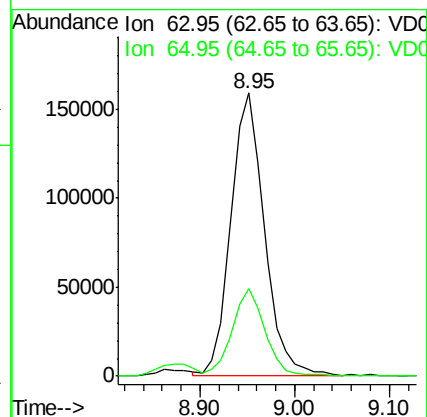
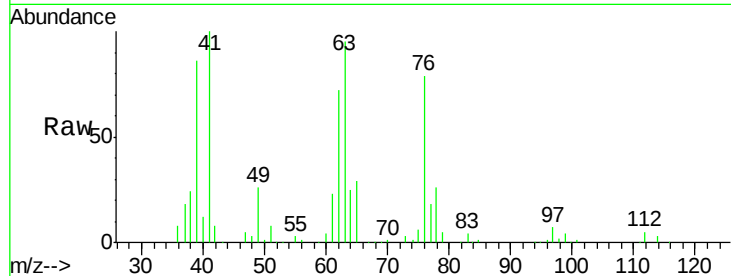
VSTDIC075

Tot Ion: 63 Resp: 389806

Ion Ratio Lower Upper

63 100

65 30.8 20.1 30.1#



#46

Dibromomethane

Concen: 76.838 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

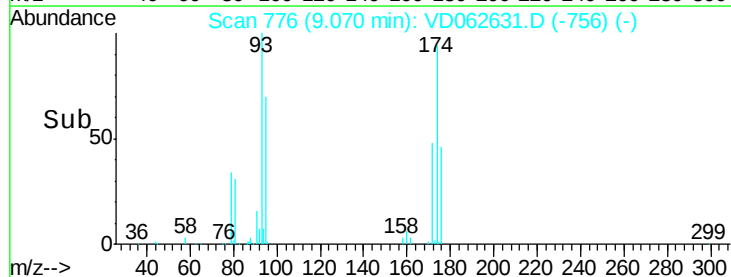
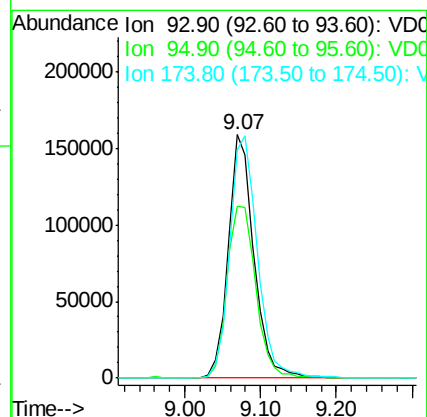
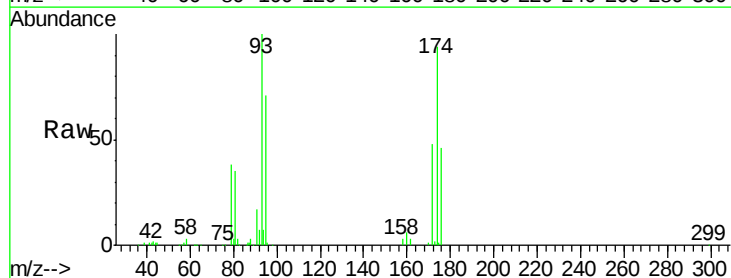
Tgt Ion: 93 Resp: 370680

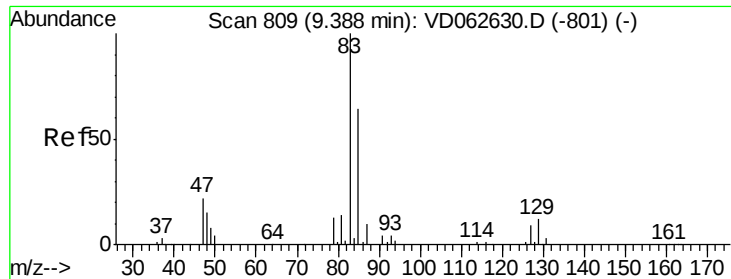
Ion Ratio Lower Upper

93 100

95 70.8 62.8 94.2

174 93.6 89.1 133.7





#47

Bromodichloromethane

Concen: 74.677 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

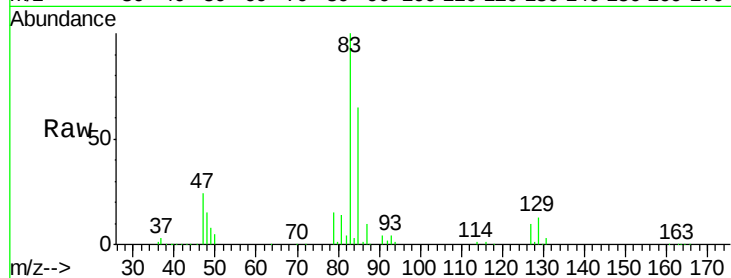
Tot Ion: 83 Resp: 965586

Ion Ratio Lower Upper

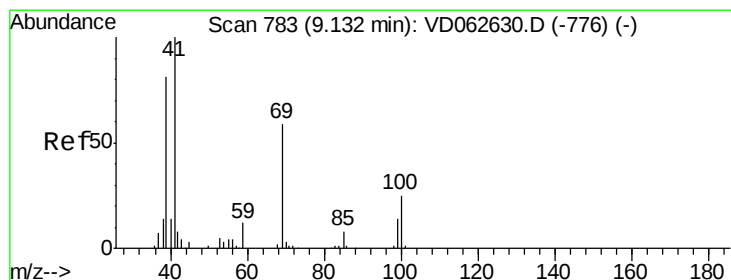
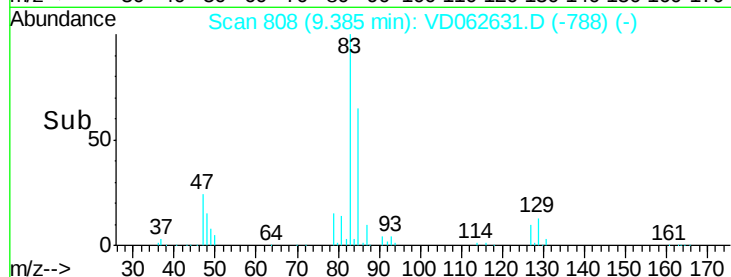
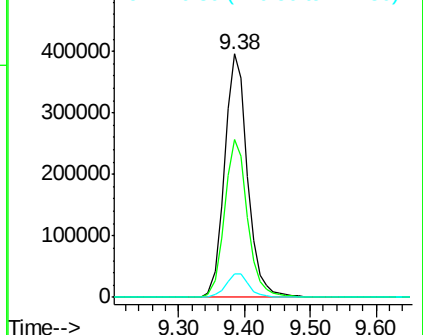
83 100

85 65.1 50.9 76.3

127 9.6 7.4 11.2



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: 81.561 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

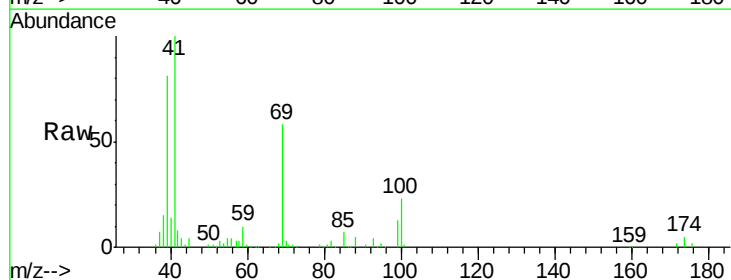
Tgt Ion: 41 Resp: 339665

Ion Ratio Lower Upper

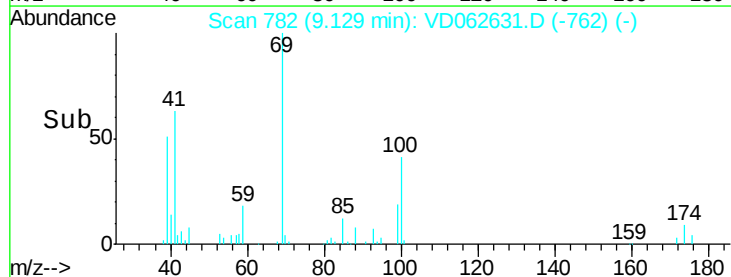
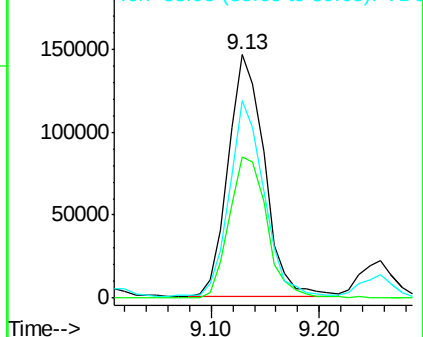
41 100

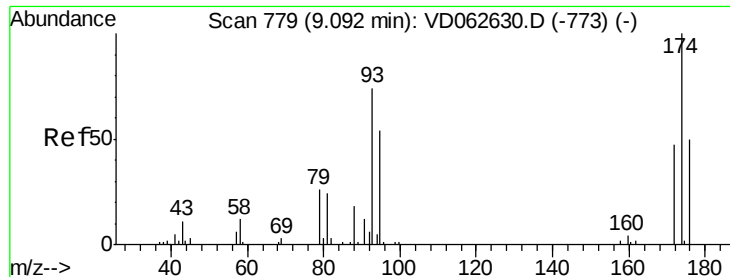
69 58.1 47.0 70.6

39 81.1 65.8 98.6



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

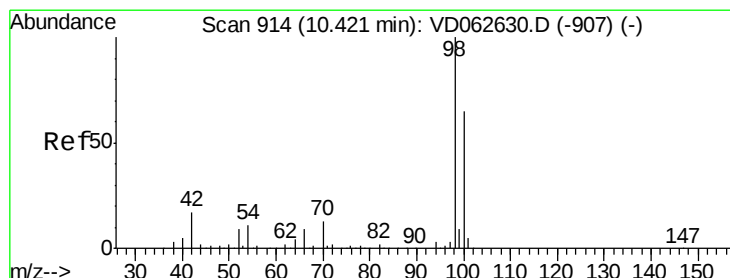
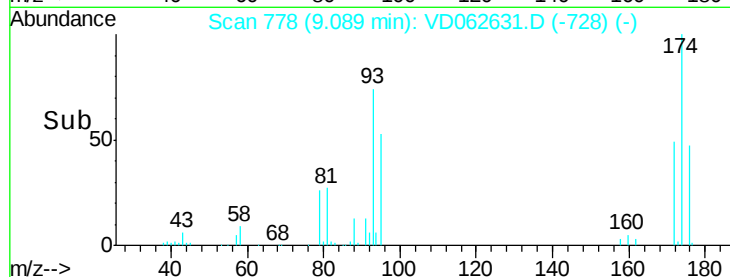
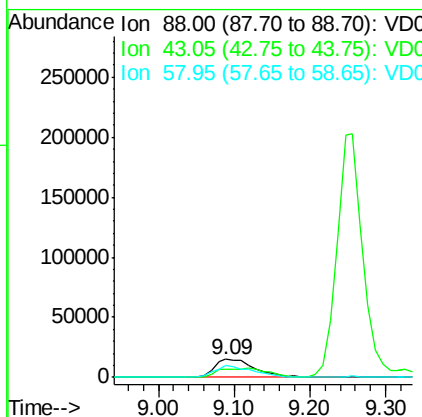
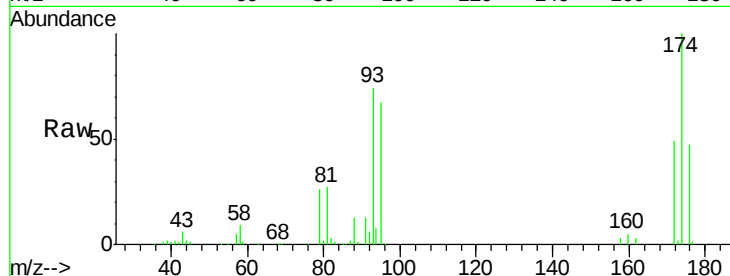




#49
1,4-Dioxane
Concen: 1690.271 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

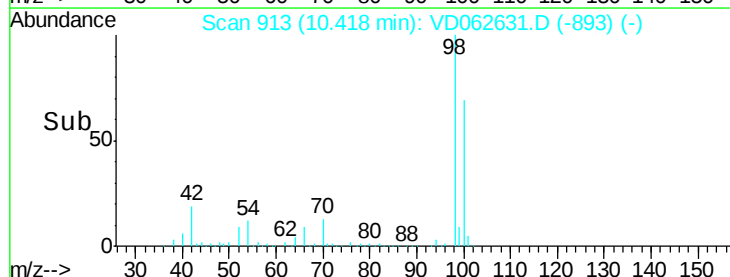
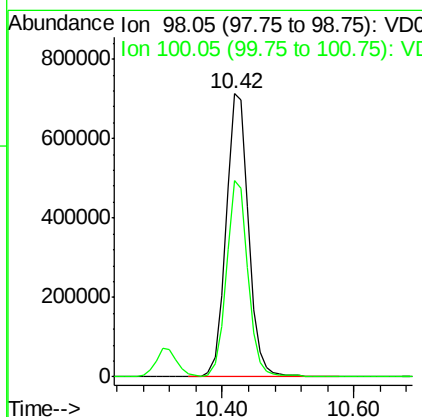
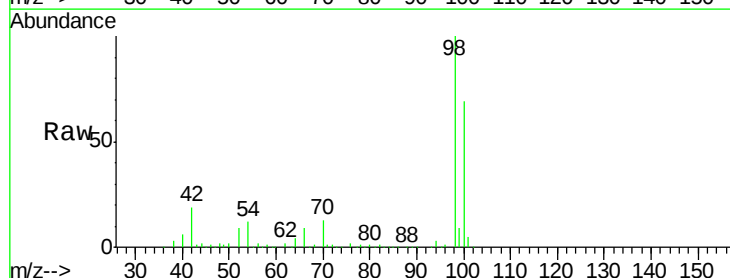
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

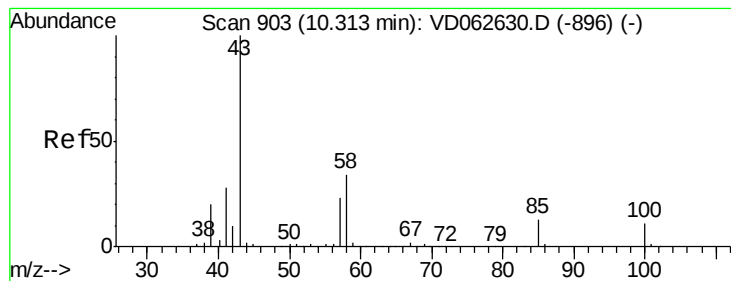
Tot Ion: 88 Resp: 56402
Ion Ratio Lower Upper
88 100
43 45.3 50.2 75.2#
58 65.9 56.2 84.4



#50
Toluene-d8
Concen: 73.049 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 98 Resp: 1699554
Ion Ratio Lower Upper
98 100
100 69.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 395.959 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

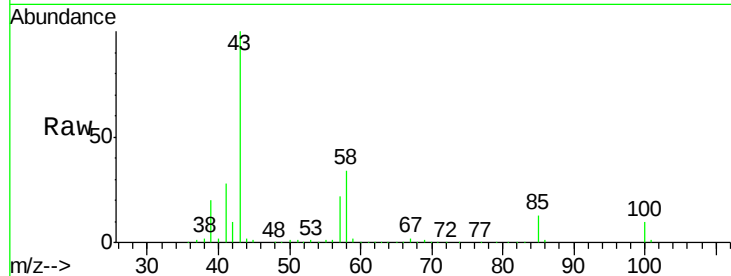
VSTDIC075

Tot Ion: 43 Resp: 1613449

Ion Ratio Lower Upper

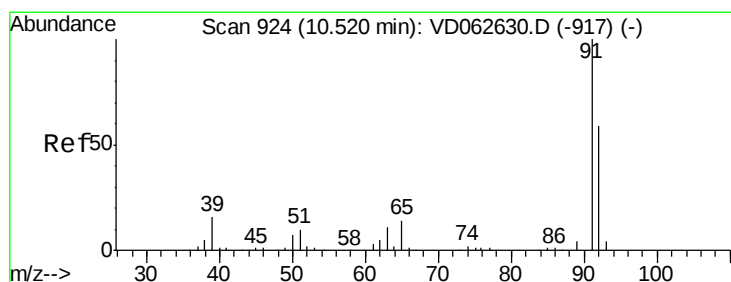
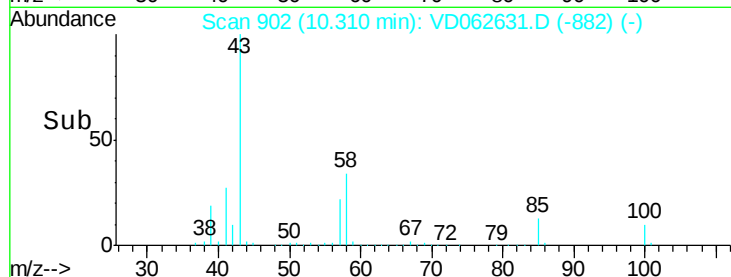
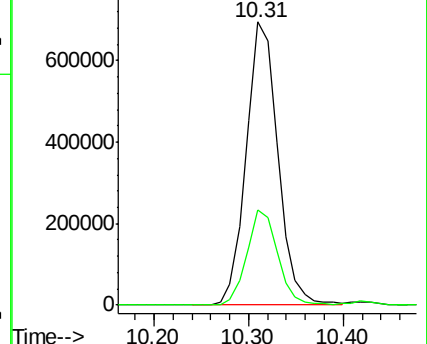
43 100

58 33.6 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 72.896 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062631.D

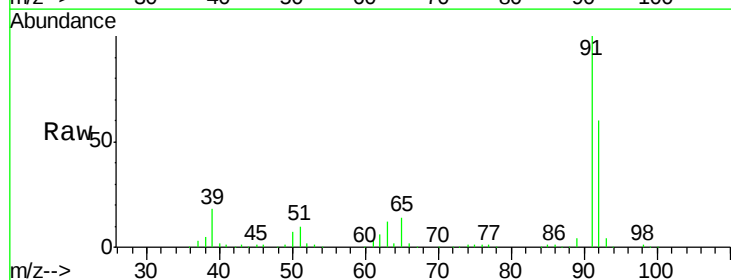
Acq: 6 Jun 2019 18:14

Tgt Ion: 92 Resp: 1075903

Ion Ratio Lower Upper

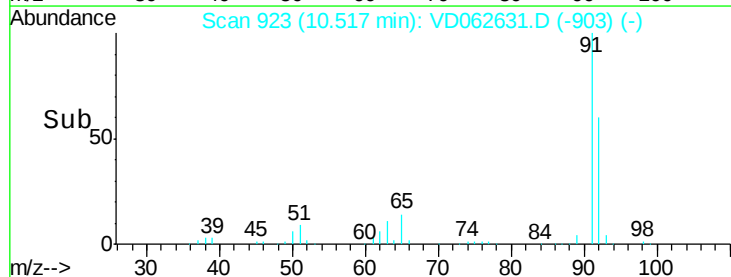
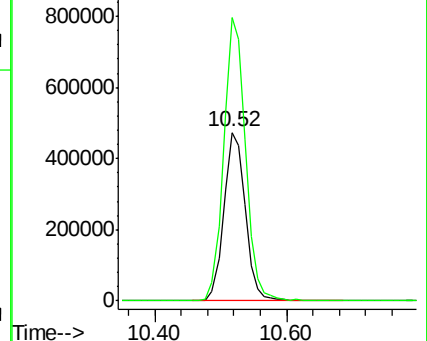
92 100

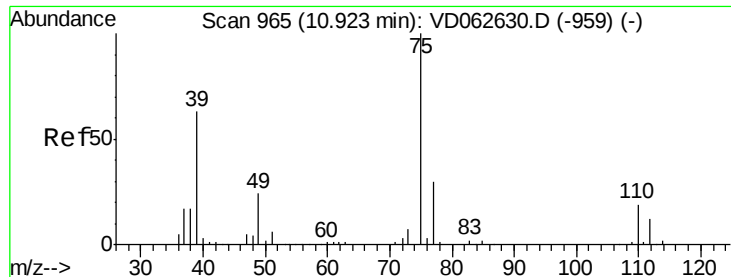
91 167.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

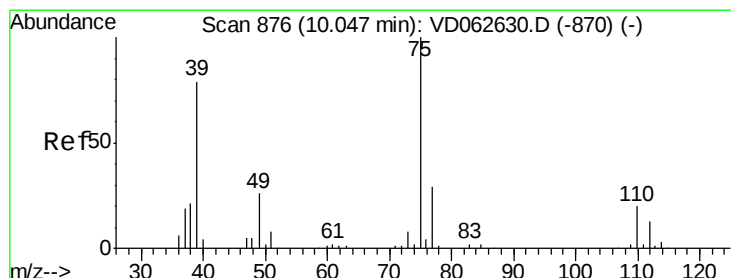
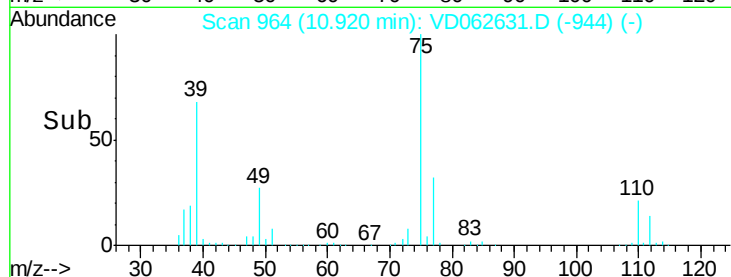
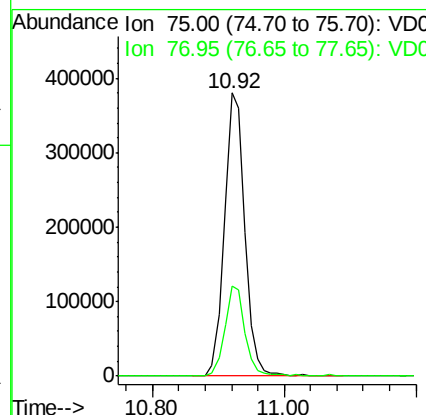
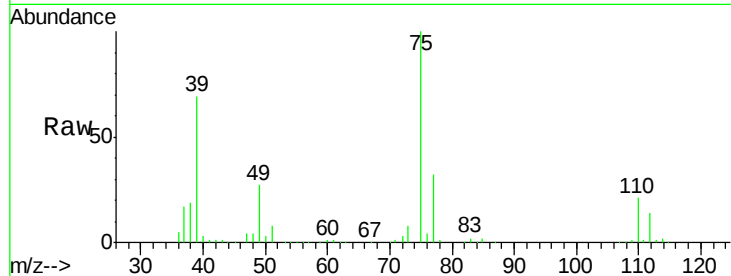




#53
 t-1,3-Dichloropropene
 Concen: 75.650 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

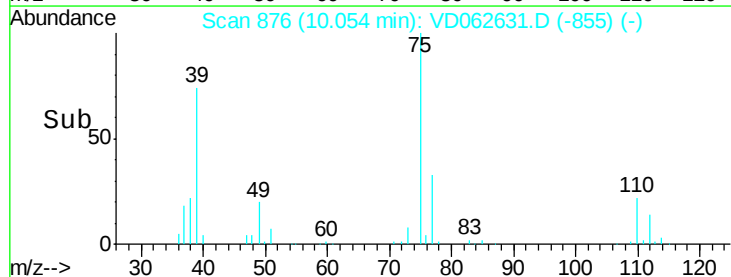
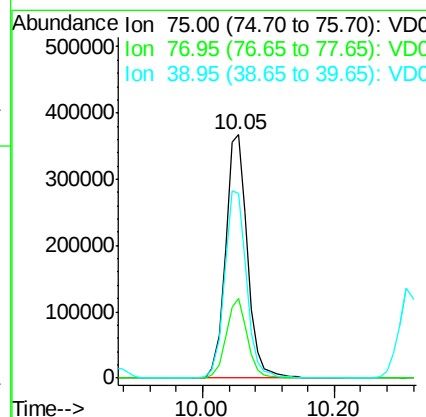
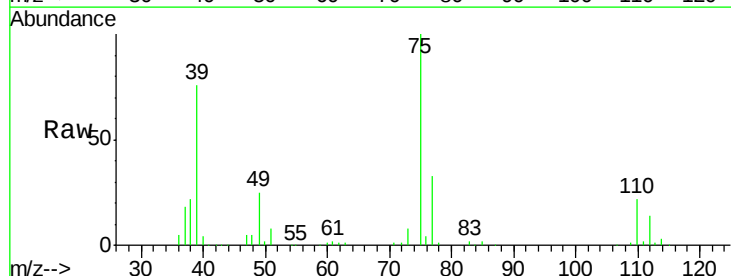
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

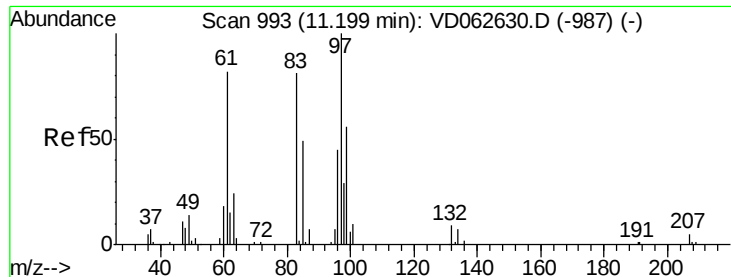
Tot Ion: 75 Resp: 819561
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.7 35.5



#54
 cis-1,3-Dichloropropene
 Concen: 77.244 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion: 75 Resp: 846988
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.4 35.2
 39 75.9 63.0 94.4



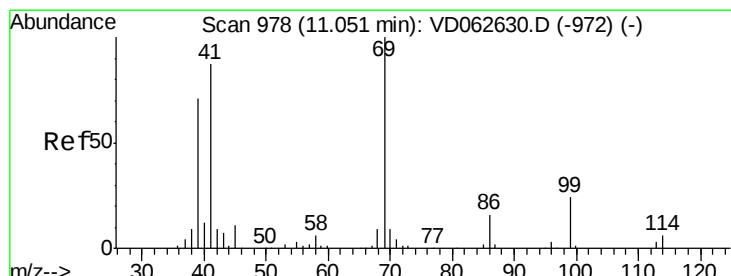
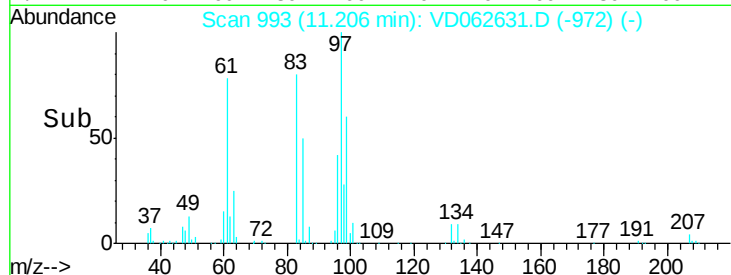
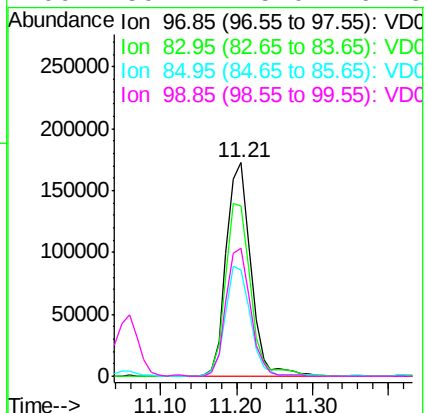
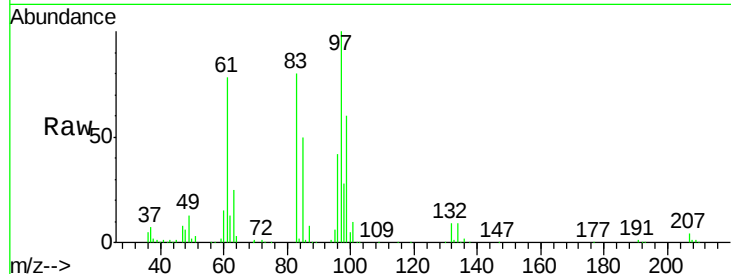


#55
 1,1,2-Trichloroethane
 Concen: 77.236 ug/l
 RT: 11.21 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 97 Resp: 388837

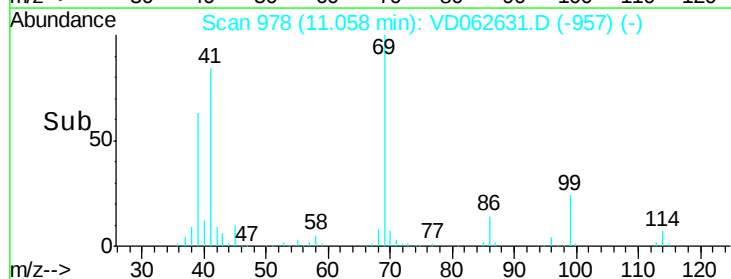
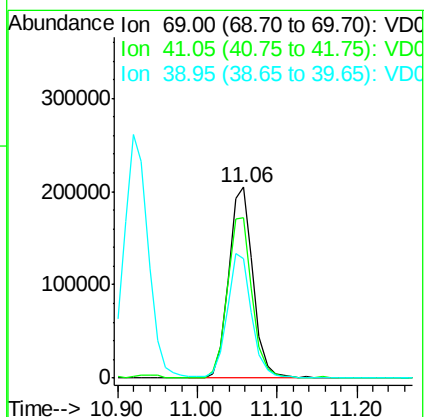
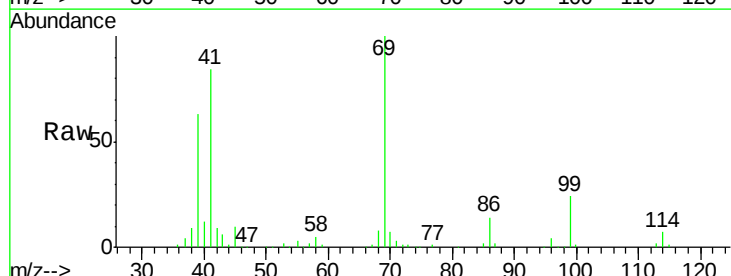
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.7	97.1
85	49.8	39.3	58.9
99	59.7	45.0	67.6

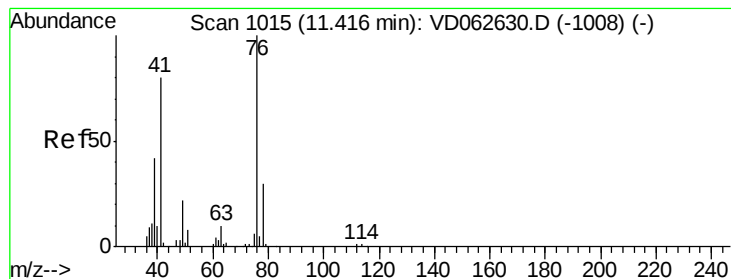


#56
 Ethyl methacrylate
 Concen: 80.351 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion: 69 Resp: 437191

Ion	Ratio	Lower	Upper
69	100		
41	84.2	69.8	104.8
39	62.9	57.6	86.4





#57

1,3-Dichloropropane

Concen: 79.283 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

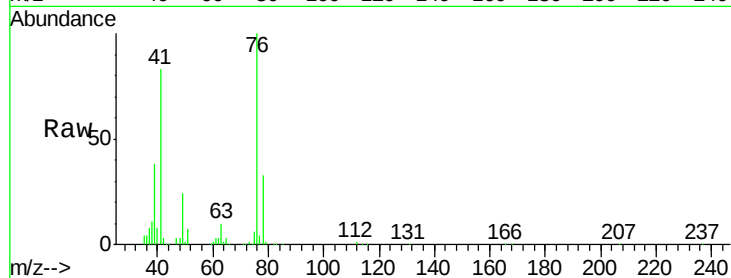
VSTDIC075

Tot Ion: 76 Resp: 614558

Ion Ratio Lower Upper

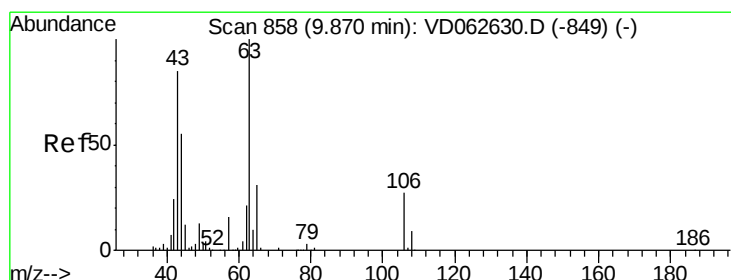
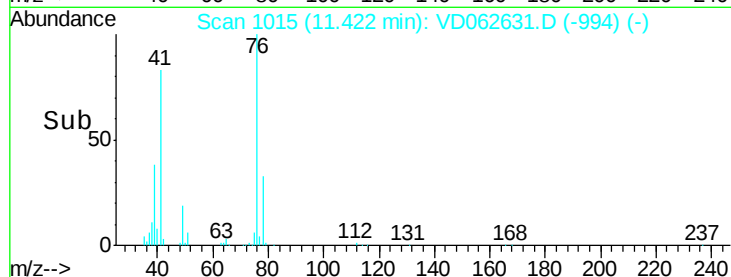
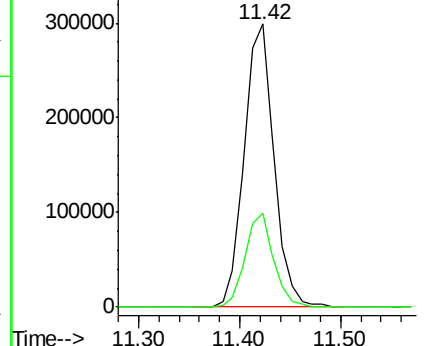
76 100

78 33.4 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 365.949 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062631.D

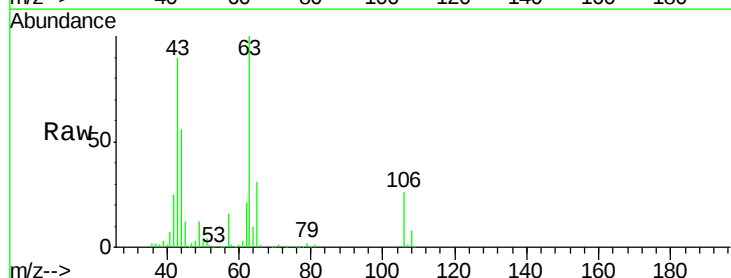
Acq: 6 Jun 2019 18:14

Tgt Ion: 63 Resp: 1046586

Ion Ratio Lower Upper

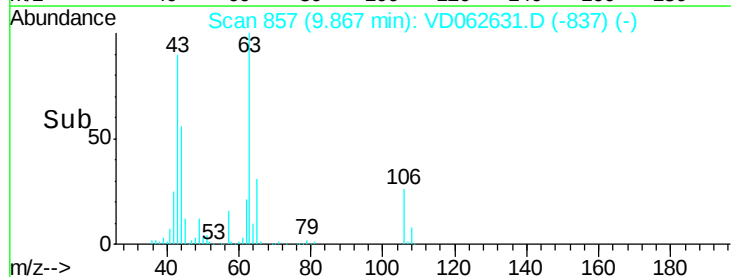
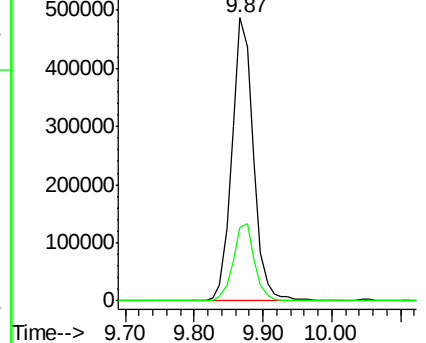
63 100

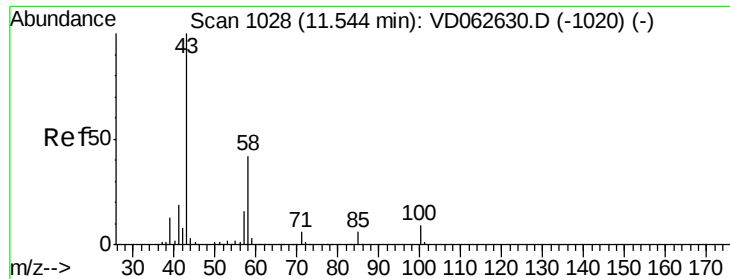
106 25.9 21.8 32.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

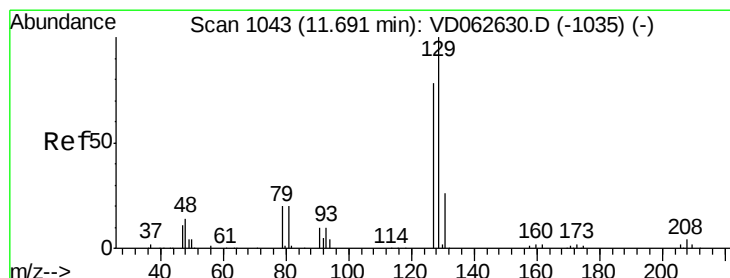
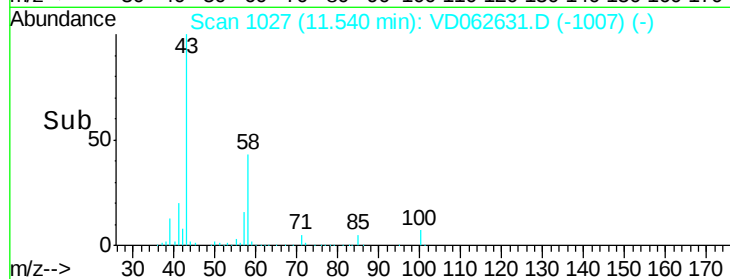
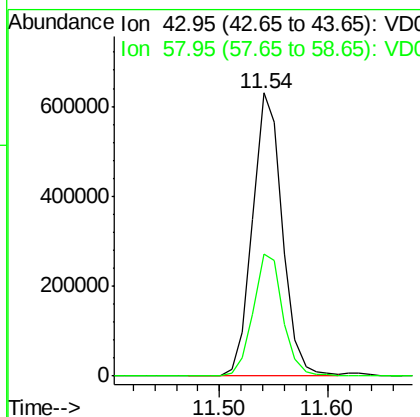
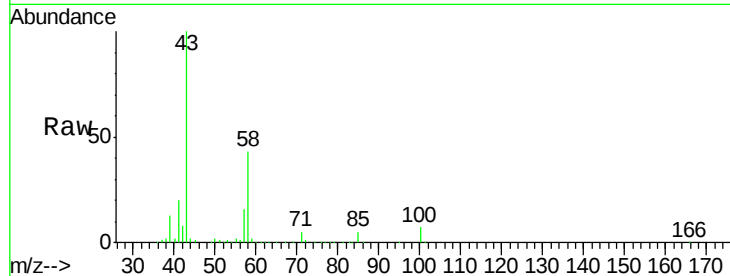




#59
2-Hexanone
Concen: 394.447 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

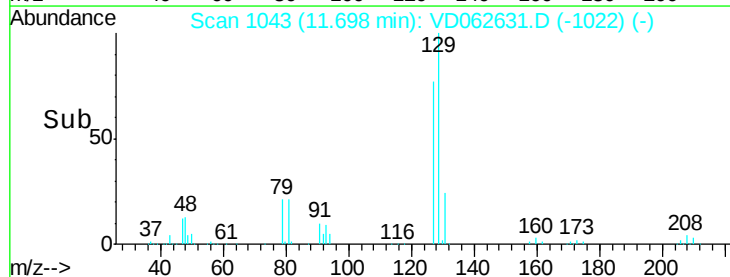
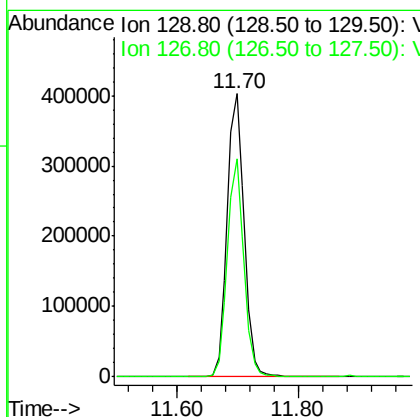
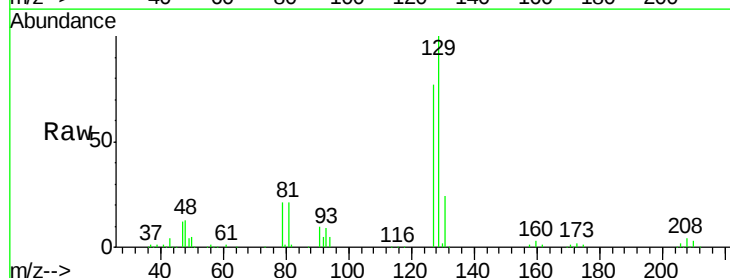
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

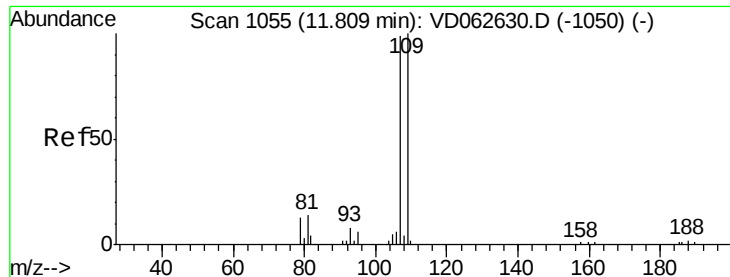
Tot Ion: 43 Resp: 1212043
Ion Ratio Lower Upper
43 100
58 43.1 20.8 62.4



#60
Dibromochloromethane
Concen: 80.020 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:129 Resp: 787136
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 78.277 ug/l

RT: 11.82 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

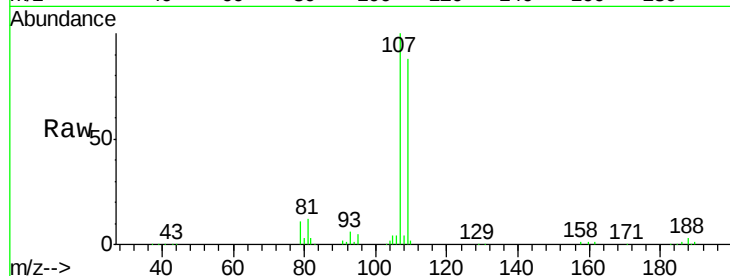
VSTDIC075

Tot Ion:107 Resp: 480939

Ion Ratio Lower Upper

107 100

109 88.2 80.9 121.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

300000

250000

200000

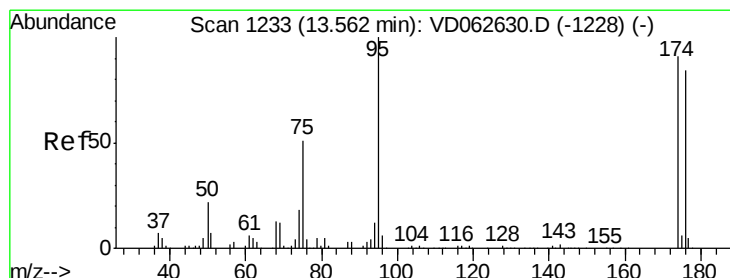
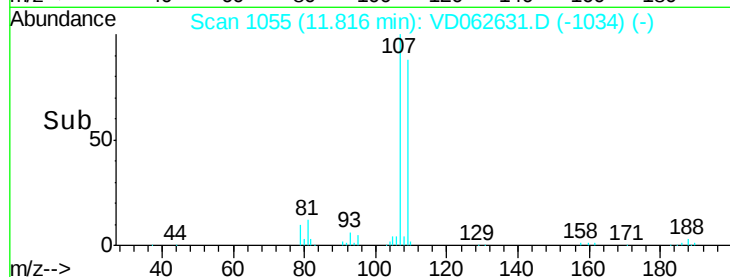
150000

100000

50000

0

Time--> 11.70 11.80 11.90 12.00



#62

4-Bromofluorobenzene

Concen: 68.624 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

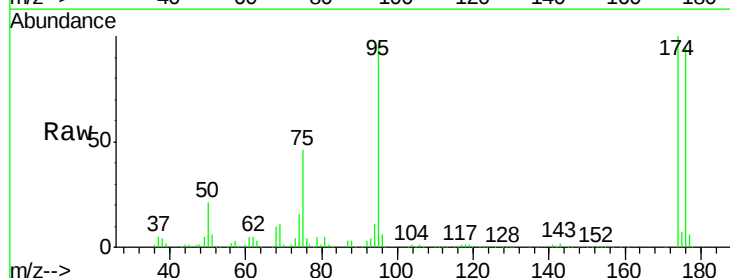
Tgt Ion: 95 Resp: 743357

Ion Ratio Lower Upper

95 100

174 103.5 0.0 181.6

176 97.9 0.0 168.6



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

13.57

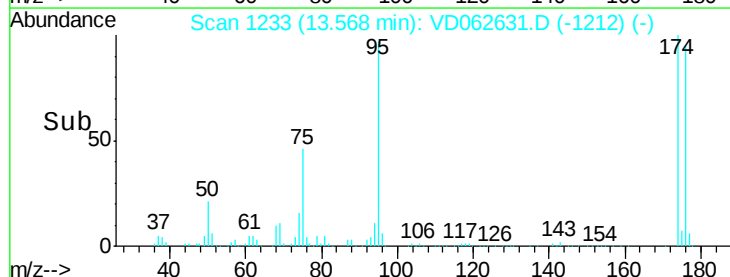
600000

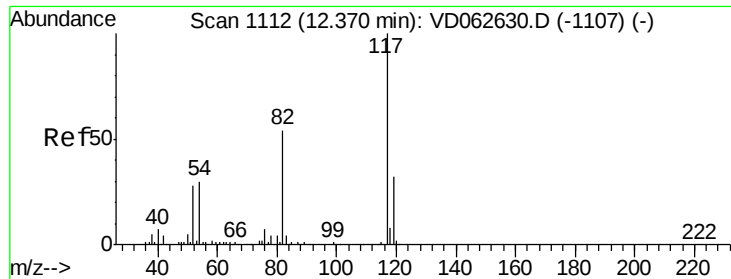
400000

200000

0

Time--> 13.50 13.60

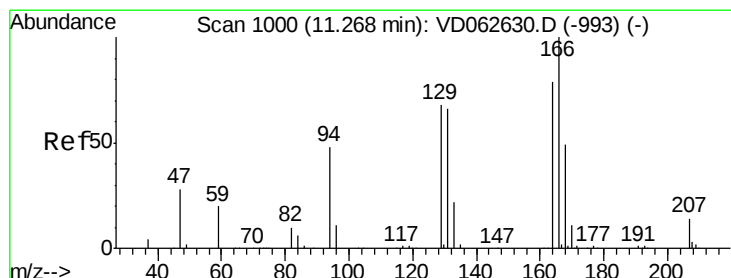
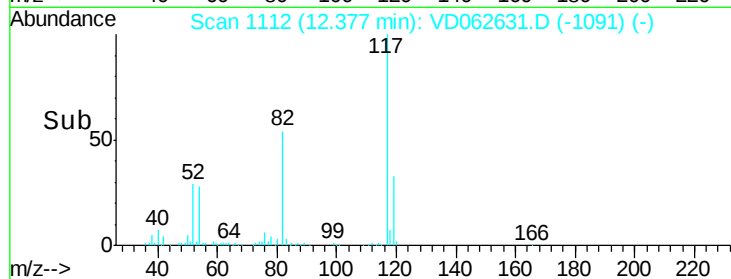
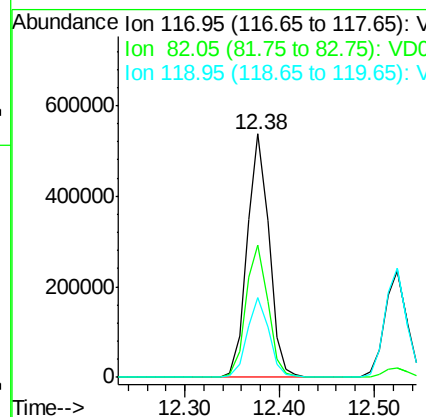
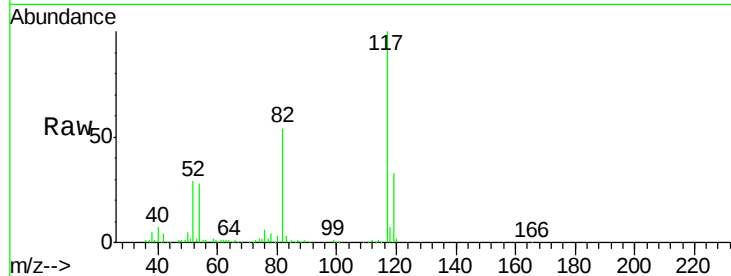




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

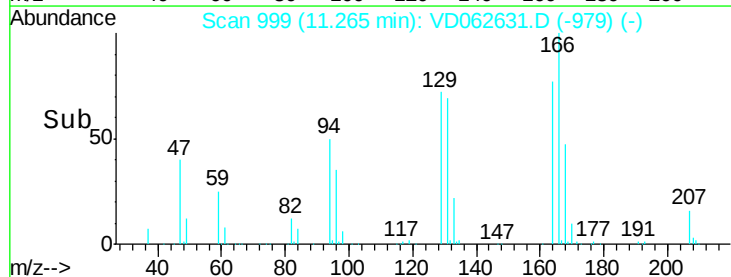
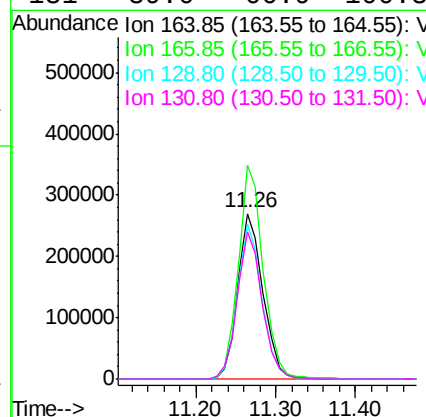
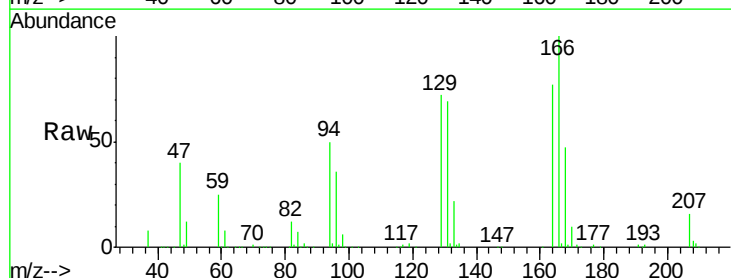
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

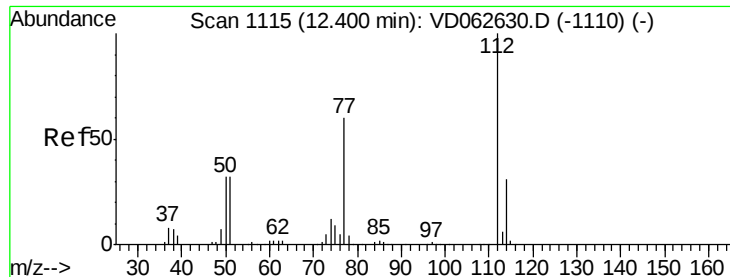
Tot Ion:117 Resp: 856828
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.6
119 32.7 25.9 38.9



#64
Tetrachloroethene
Concen: 78.037 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:164 Resp: 596489
Ion Ratio Lower Upper
164 100
166 129.2 101.0 151.6
129 93.5 68.2 102.4
131 89.0 66.9 100.3





#65

Chlorobenzene

Concen: 77.268 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

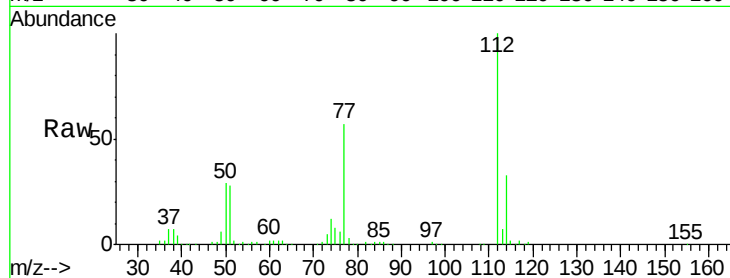
VSTDIC075

Tot Ion:112 Resp: 1360021

Ion Ratio Lower Upper

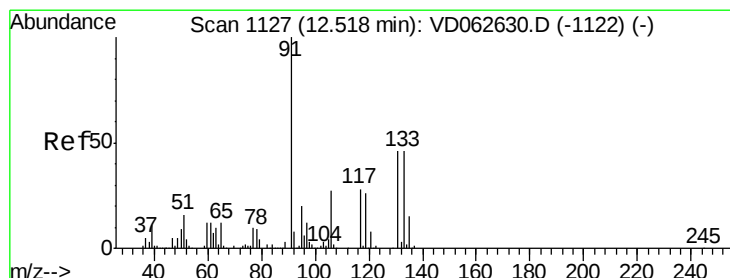
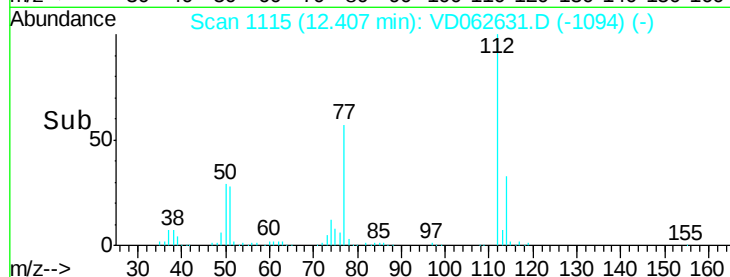
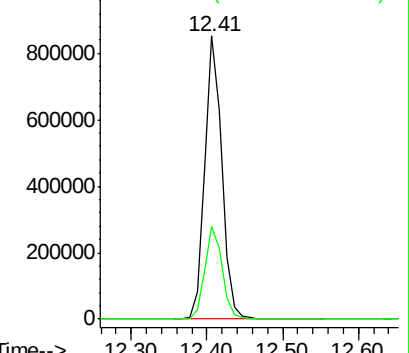
112 100

114 32.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 74.303 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

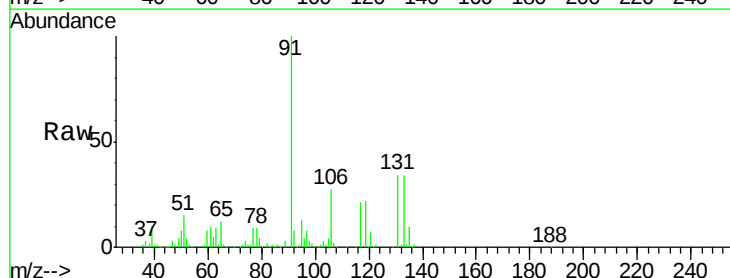
Tgt Ion:131 Resp: 630852

Ion Ratio Lower Upper

131 100

133 98.0 49.9 149.7

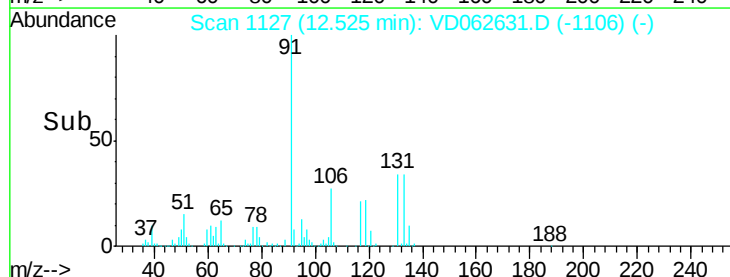
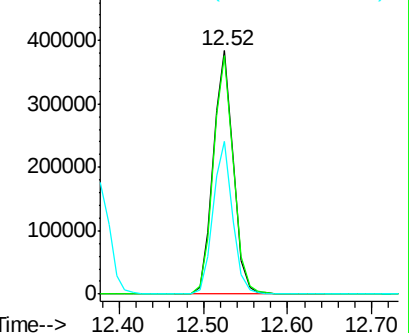
119 62.9 28.0 84.0

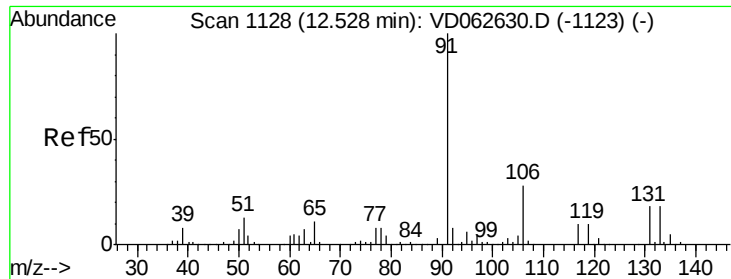


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

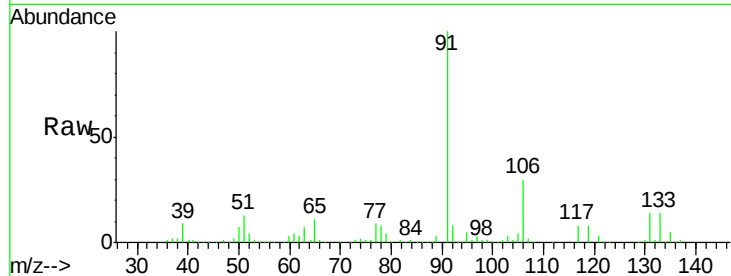




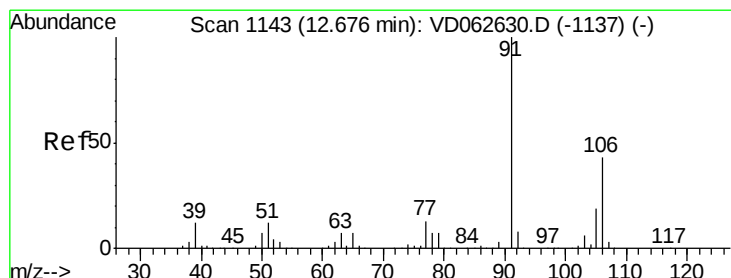
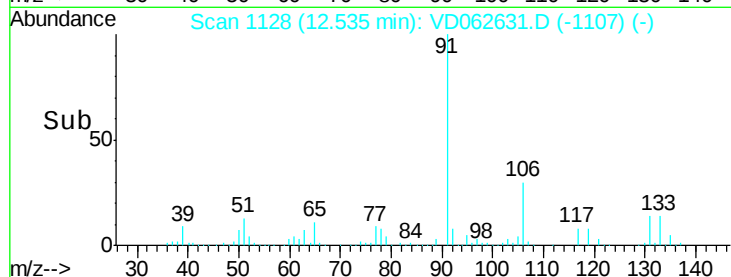
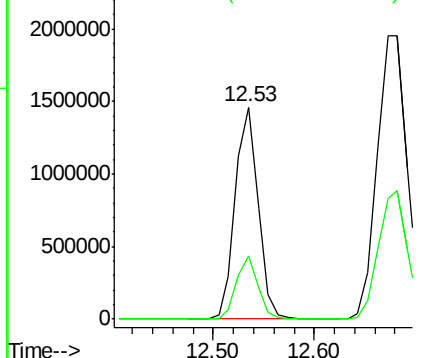
#67
Ethyl Benzene
Concen: 72.092 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2309879
Ion Ratio Lower Upper
91 100
106 29.7 22.2 33.2

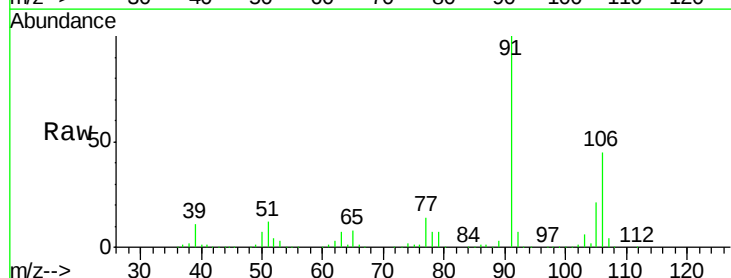


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

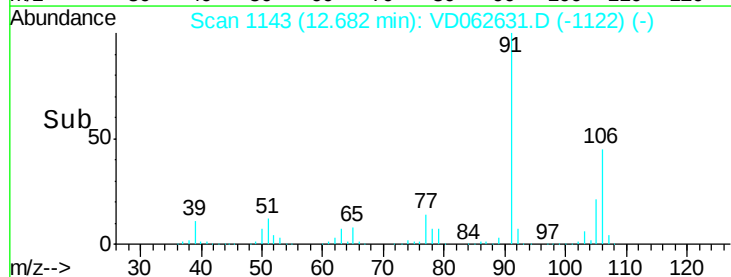
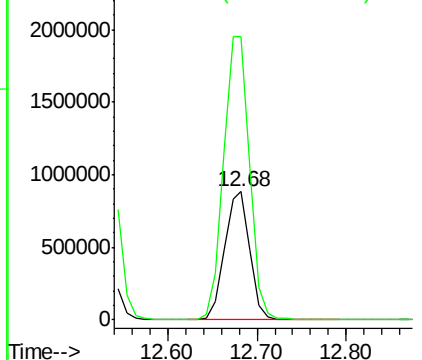


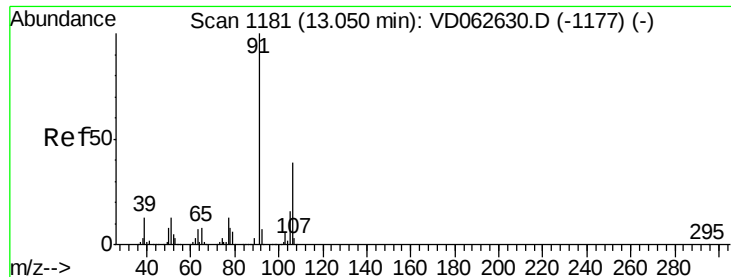
#68
m/p-Xylenes
Concen: 157.245 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 106 Resp: 1747987
Ion Ratio Lower Upper
106 100
91 220.5 184.7 277.1



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

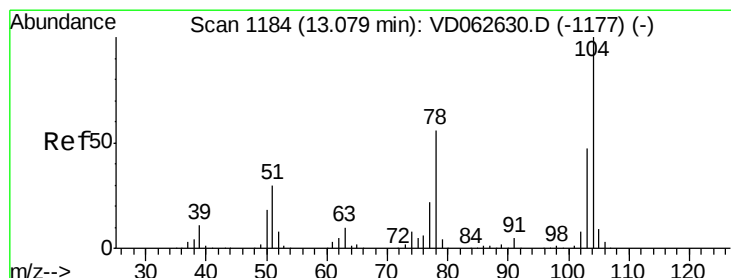
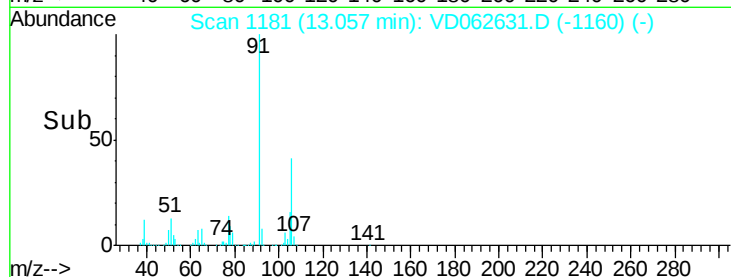
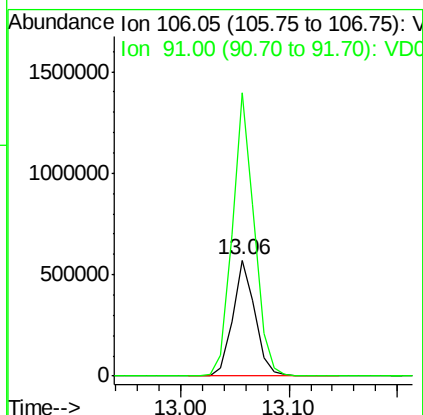
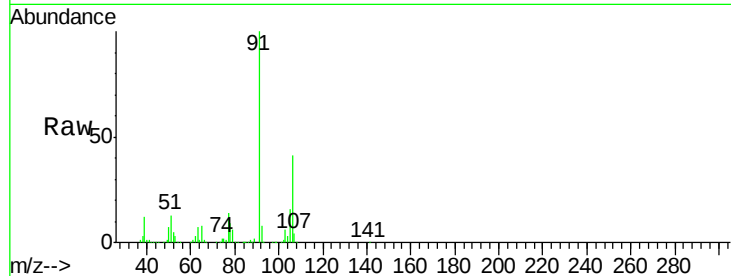




#69
o-Xylene
Concen: 76.197 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

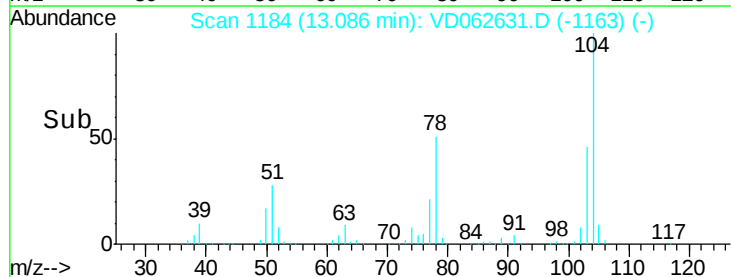
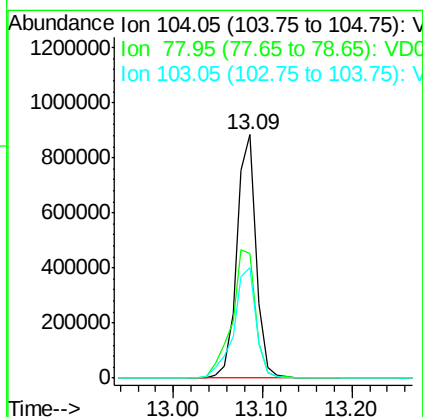
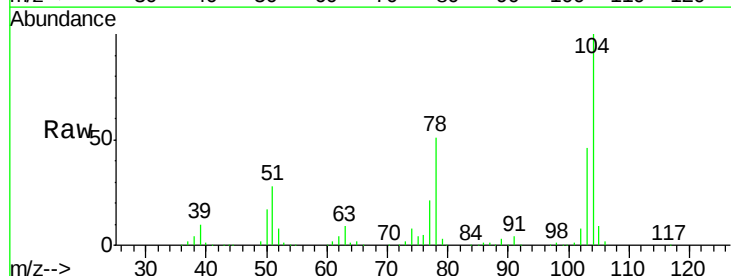
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

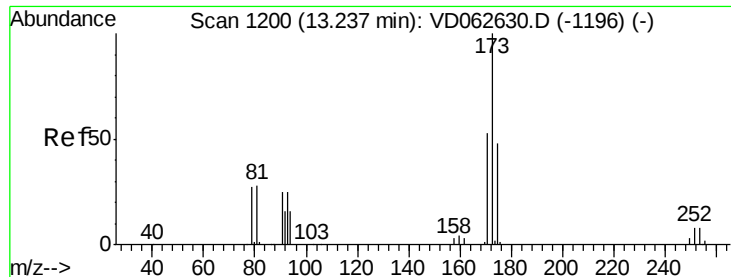
Tot Ion:106 Resp: 812088
Ion Ratio Lower Upper
106 100
91 243.4 127.0 380.9



#70
Styrene
Concen: 74.441 ug/l
RT: 13.09 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:104 Resp: 1337676
Ion Ratio Lower Upper
104 100
78 51.1 44.4 66.6
103 45.6 37.4 56.0

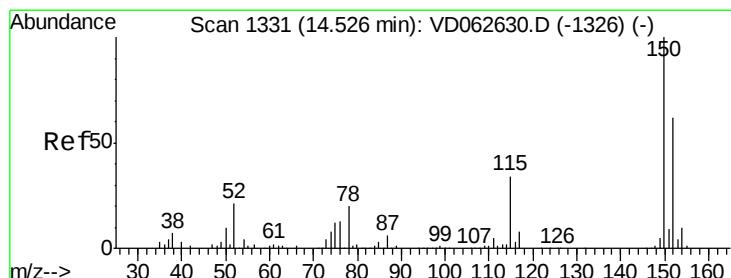
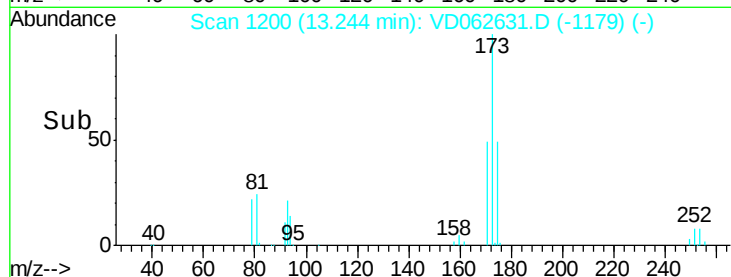
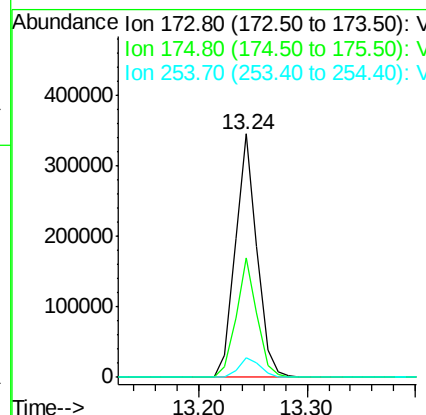
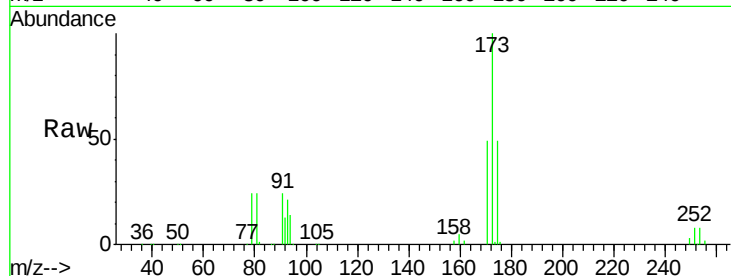




#71
Bromoform
Concen: 82.961 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

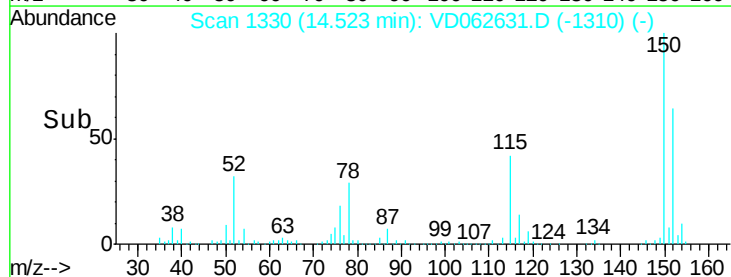
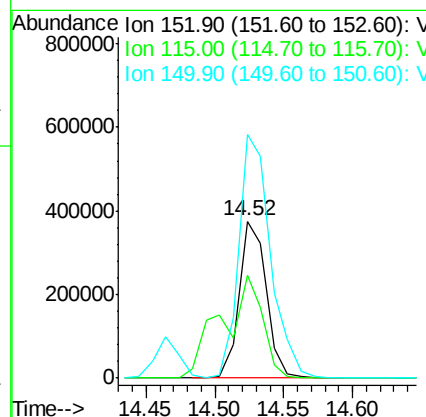
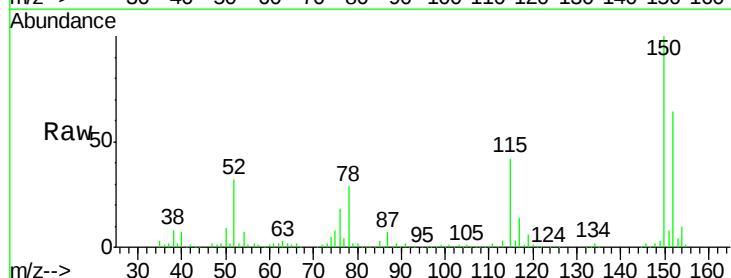
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

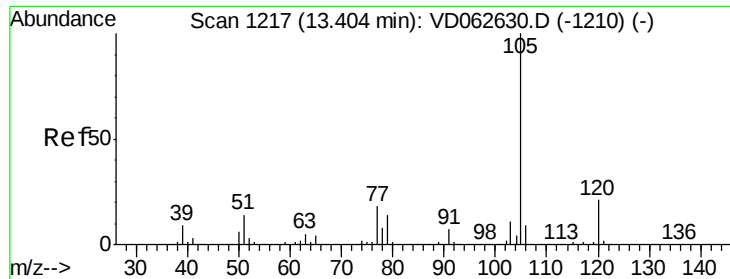
Tot Ion:173 Resp: 481223
Ion Ratio Lower Upper
173 100
175 49.0 23.9 71.8
254 8.2 6.2 9.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:152 Resp: 513612
Ion Ratio Lower Upper
152 100
115 65.8 28.7 86.1
150 155.5 0.0 328.8





#73

Isopropylbenzene

Concen: 71.405 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

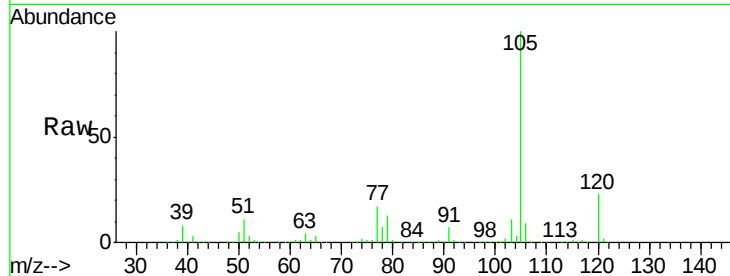
VSTDIC075

Tot Ion:105 Resp: 2533306

Ion Ratio Lower Upper

105 100

120 22.5 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

1000000

500000

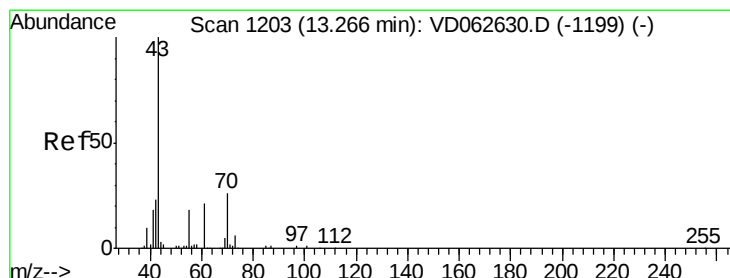
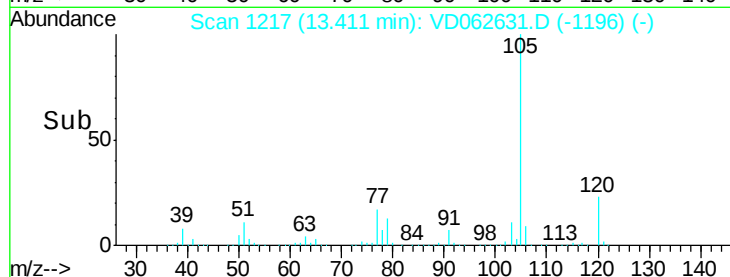
0

13.41

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 76.432 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Tgt Ion: 43 Resp: 701327

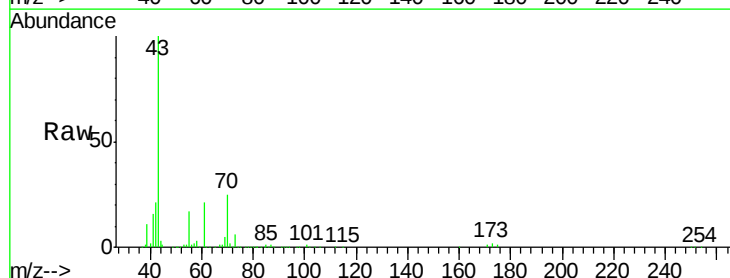
Ion Ratio Lower Upper

43 100

70 24.9 21.0 31.6

55 17.3 14.6 21.8

61 21.5 16.5 24.7



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

800000

600000

400000

200000

0

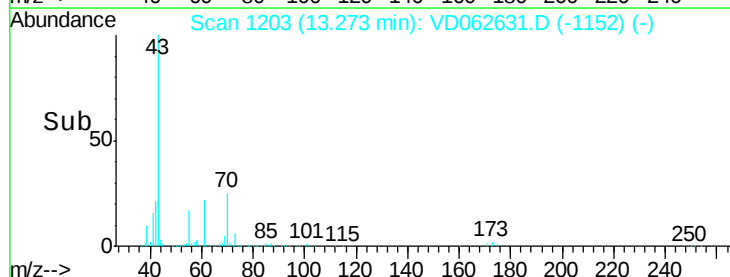
13.27

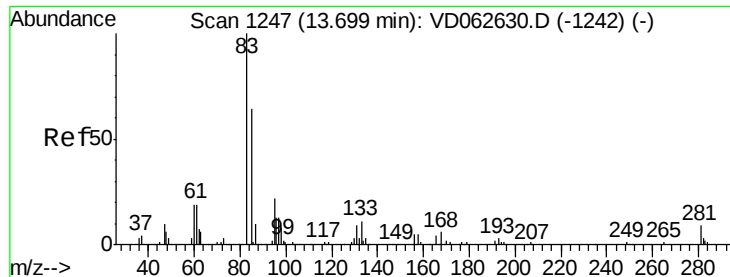
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 73.230 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

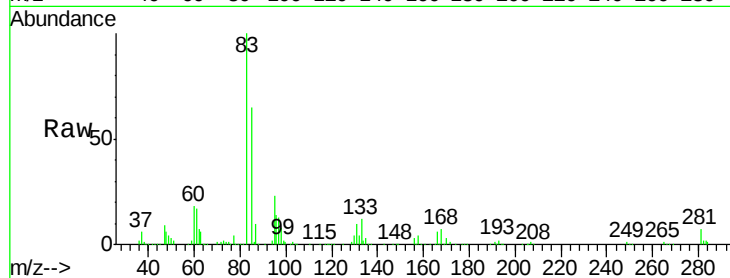
Tot Ion: 83 Resp: 433277

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.6	13.8
85	65.1	32.0	96.2

83 100

131 10.5 4.6 13.8

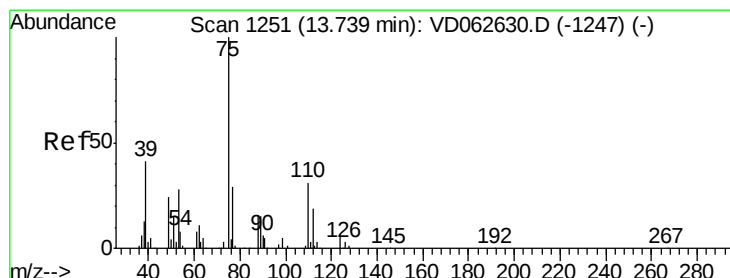
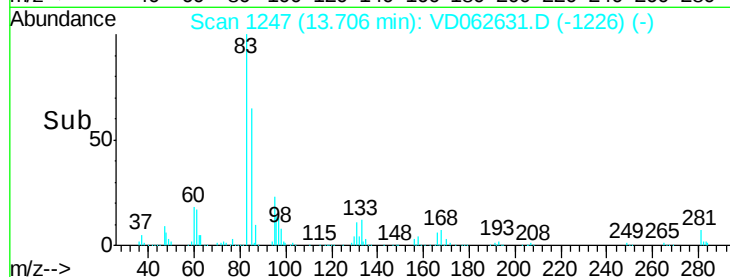
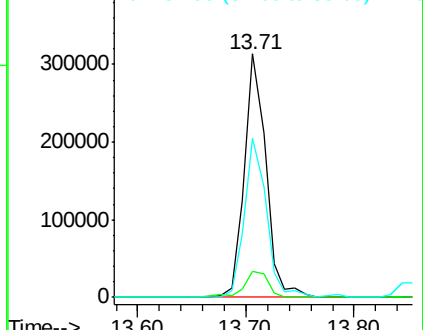
85 65.1 32.0 96.2



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: 75.329 ug/l

RT: 13.75 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062631.D

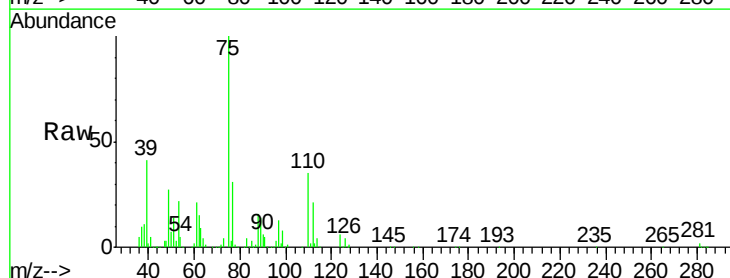
Acq: 6 Jun 2019 18:14

Tgt Ion: 75 Resp: 506594

Ion	Ratio	Lower	Upper
75	100		
77	30.9	16.6	49.7

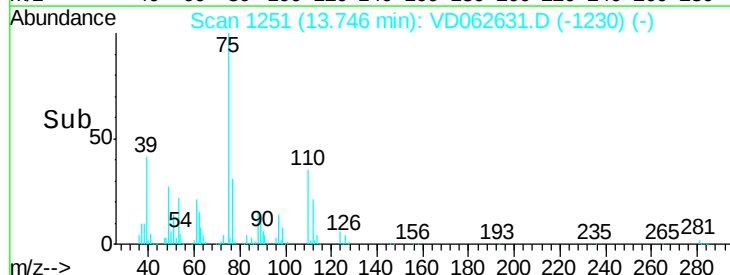
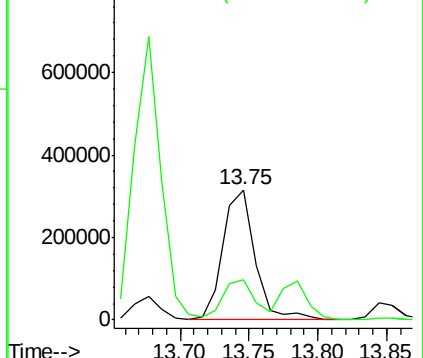
75 100

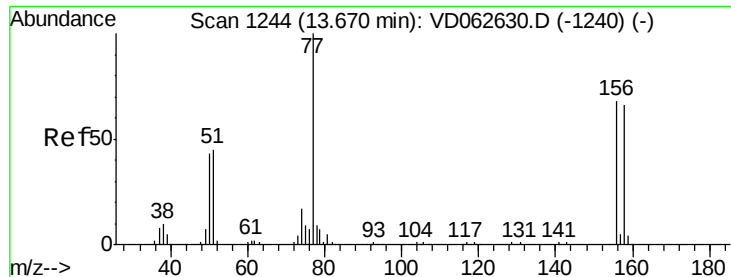
77 30.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 74.513 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

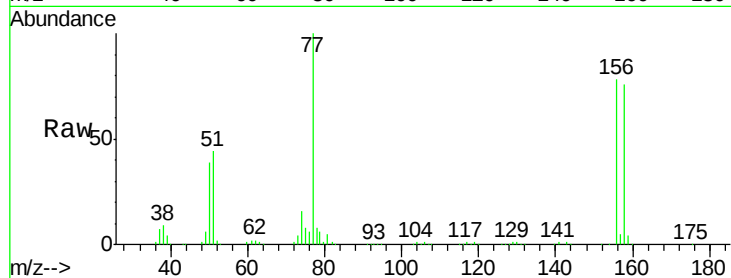
Tot Ion:156 Resp: 730736

Ion Ratio Lower Upper

156 100

77 128.3 73.5 220.3

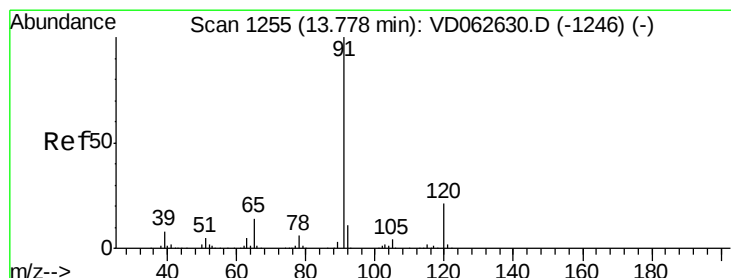
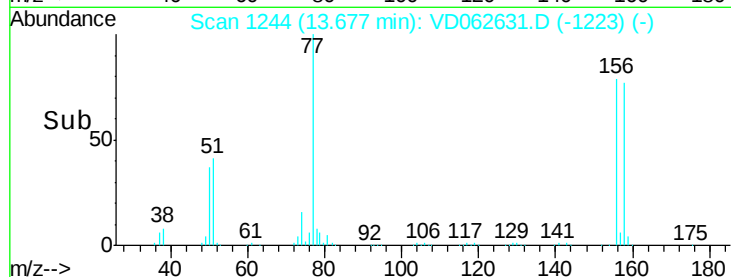
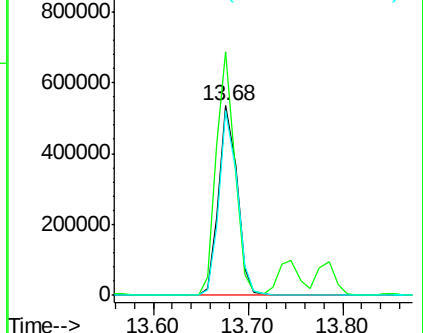
158 97.5 48.2 144.6



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: 69.629 ug/l

RT: 13.79 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062631.D

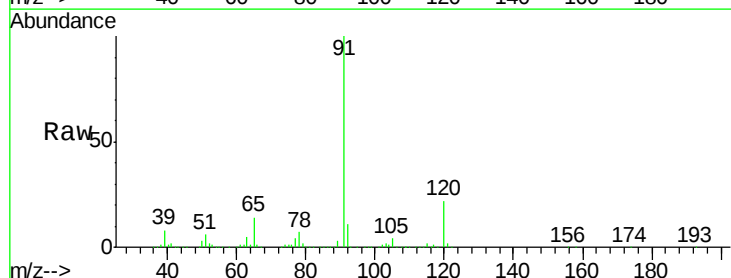
Acq: 6 Jun 2019 18:14

Tgt Ion: 91 Resp: 2900147

Ion Ratio Lower Upper

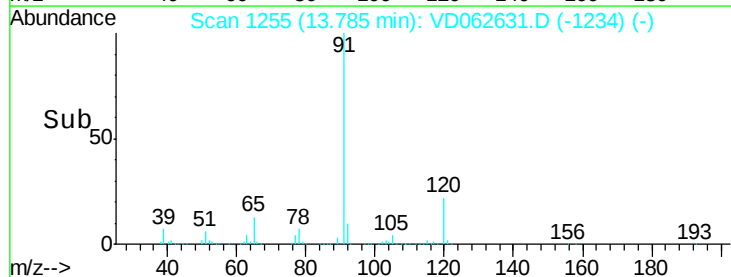
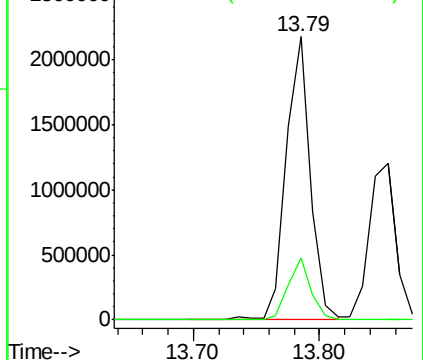
91 100

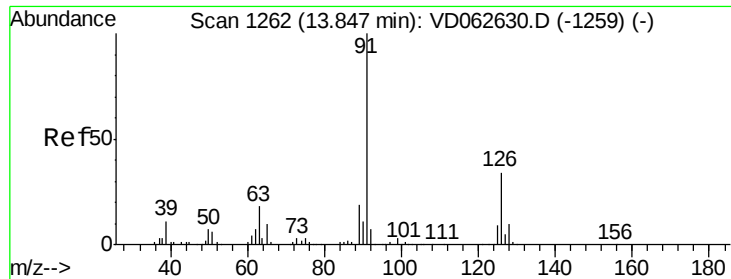
120 21.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

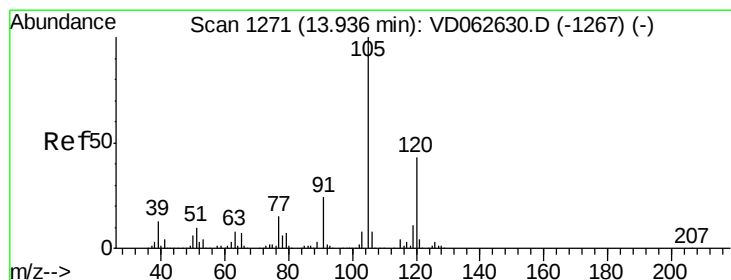
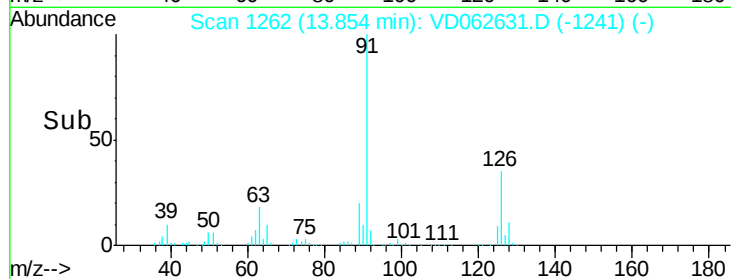
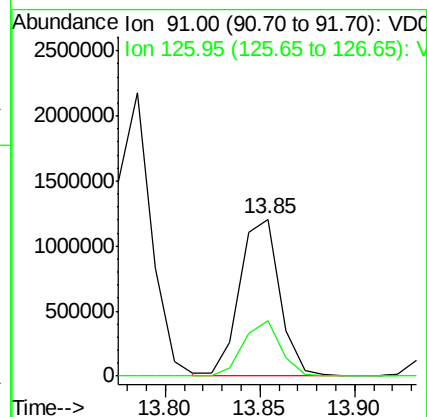
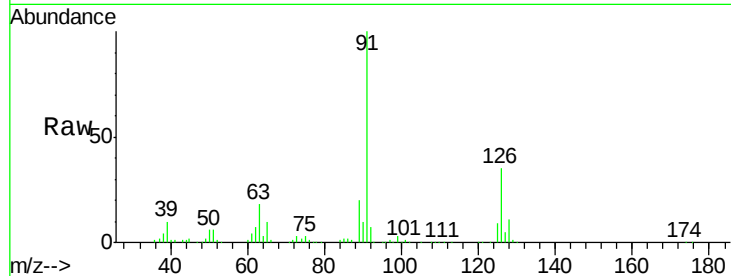




#79
 2-Chlorotoluene
 Concen: 70.829 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

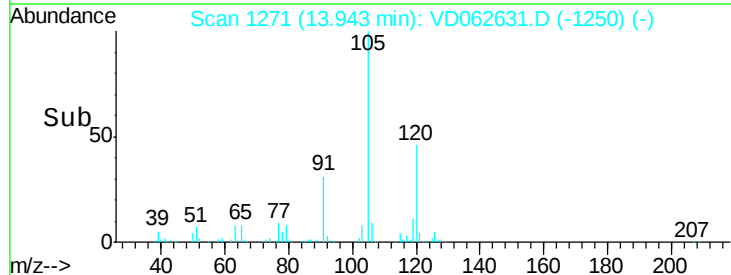
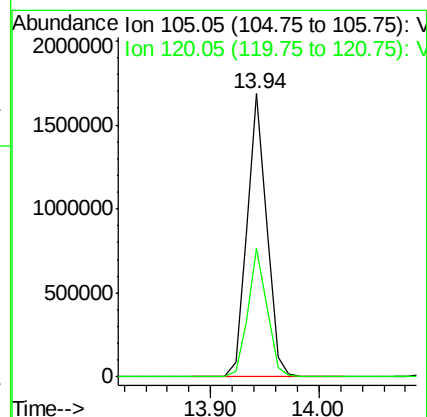
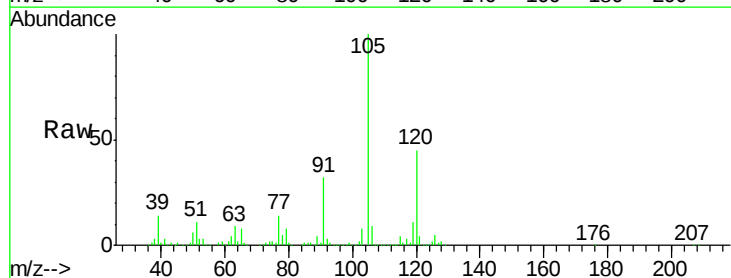
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

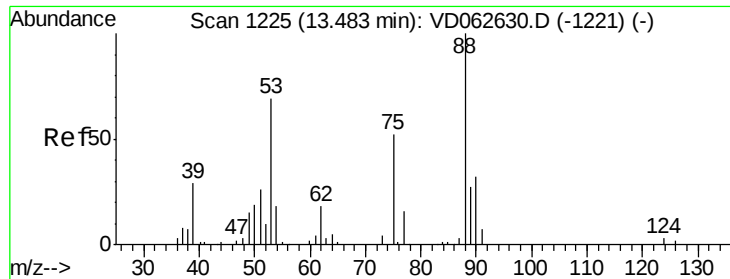
Tot Ion: 91 Resp: 1762268
 Ion Ratio Lower Upper
 91 100
 126 35.3 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 67.437 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion: 105 Resp: 2108062
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.3 64.0

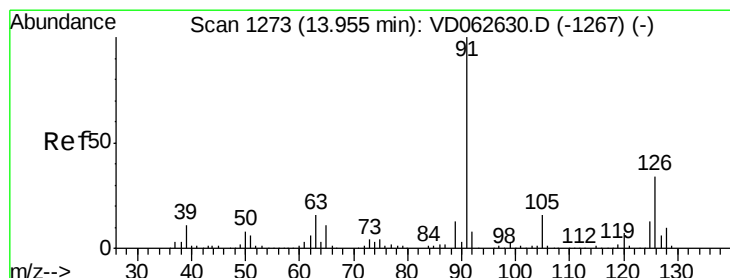
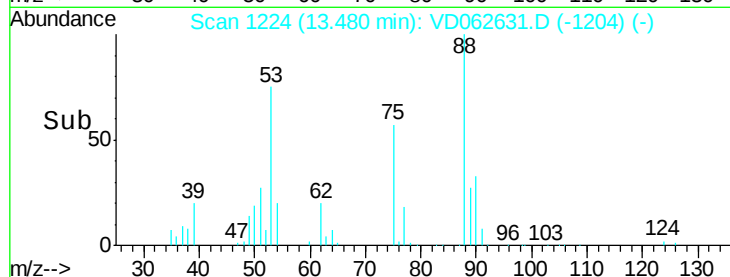
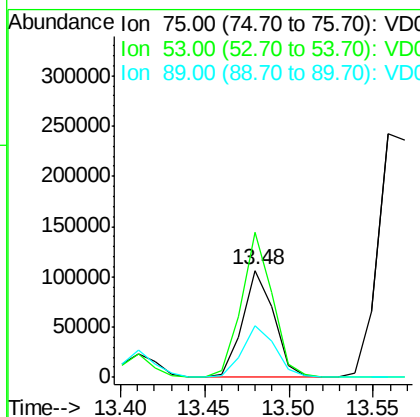
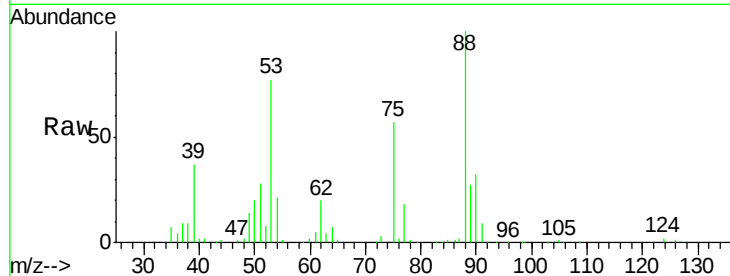




#81
trans-1,4-Dichloro-2-butene
Concen: 81.490 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

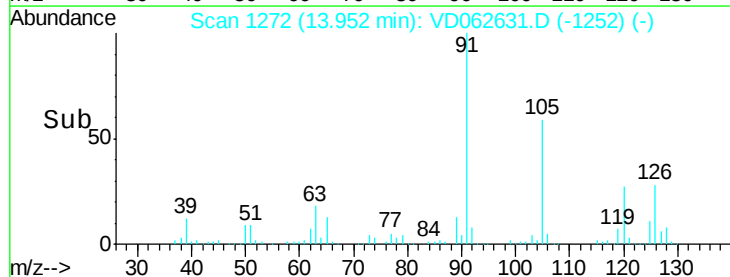
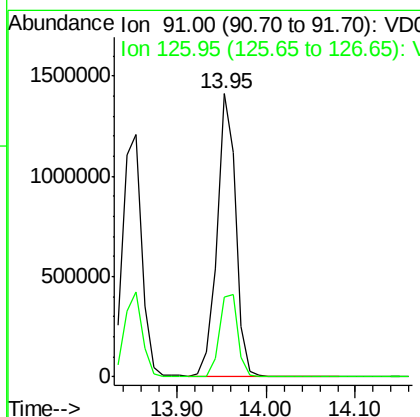
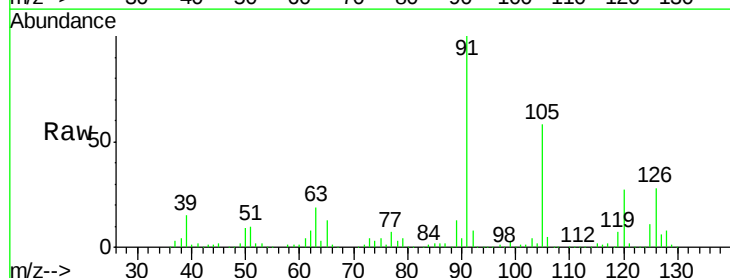
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

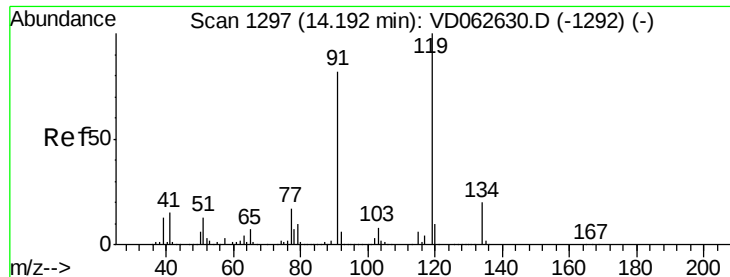
Tot Ion: 75 Resp: 138784
Ion Ratio Lower Upper
75 100
53 134.8 105.6 158.4
89 47.9 40.9 61.3



#82
4-Chlorotoluene
Concen: 69.659 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 91 Resp: 2068382
Ion Ratio Lower Upper
91 100
126 28.3 17.2 51.6

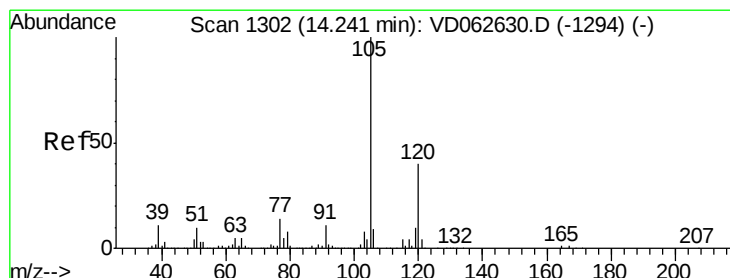
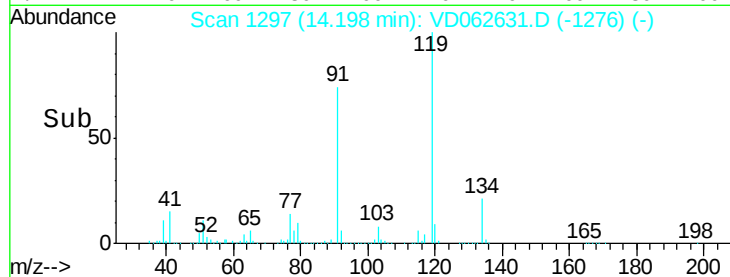
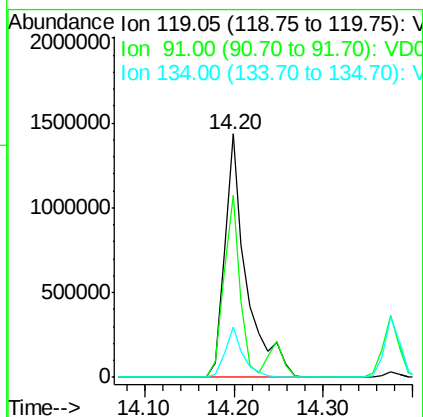
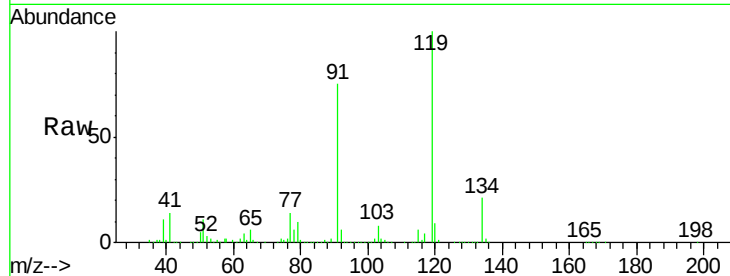




#83
tert-Butylbenzene
Concen: 72.421 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

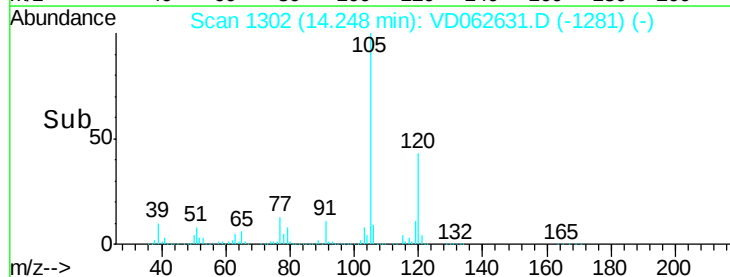
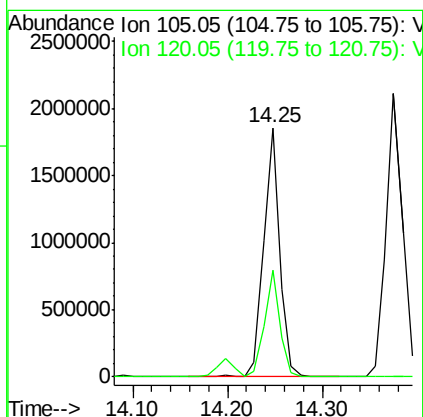
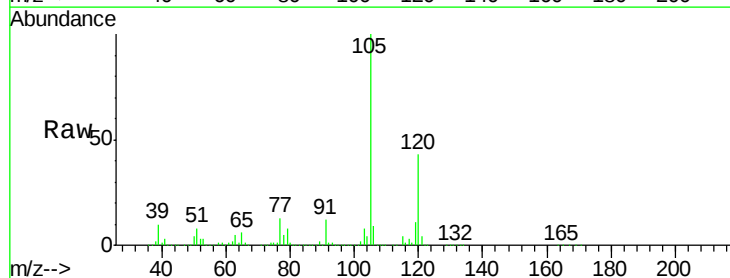
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

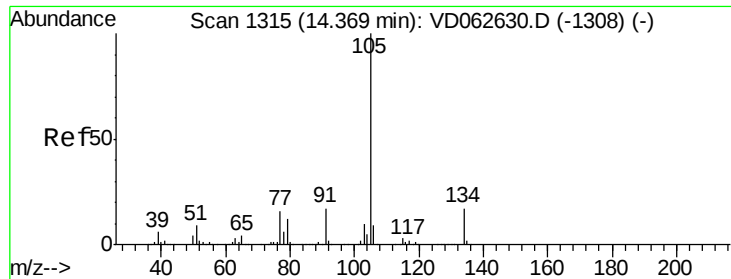
Tot Ion:119 Resp: 2453560
Ion Ratio Lower Upper
119 100
91 74.7 40.8 122.5
134 20.9 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 71.061 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:105 Resp: 2224292
Ion Ratio Lower Upper
105 100
120 42.7 20.0 59.9





#85

sec-Butylbenzene

Concen: 72.737 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

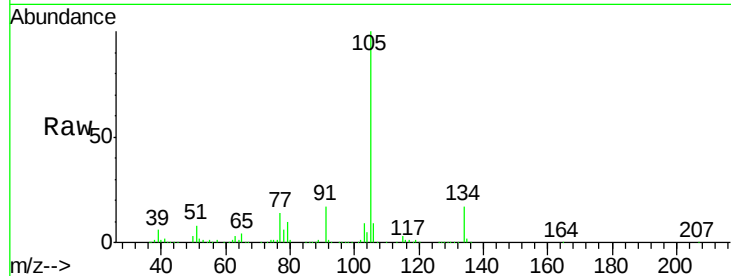
VSTDIC075

Tot Ion:105 Resp: 2552906

Ion Ratio Lower Upper

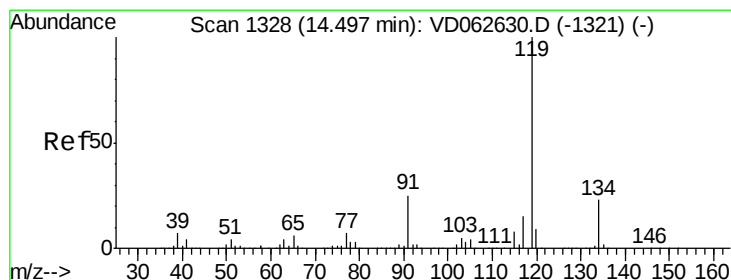
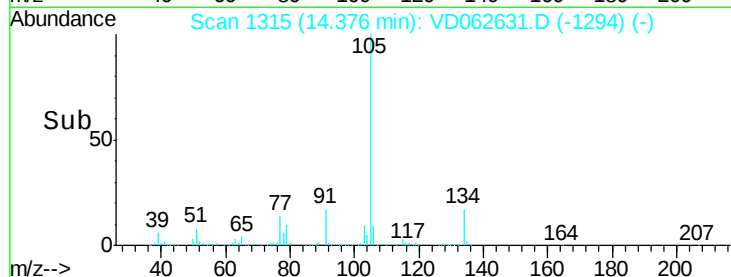
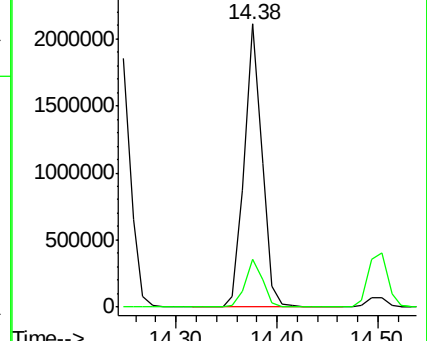
105 100

134 17.0 8.5 25.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 73.055 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062631.D

Acq: 6 Jun 2019 18:14

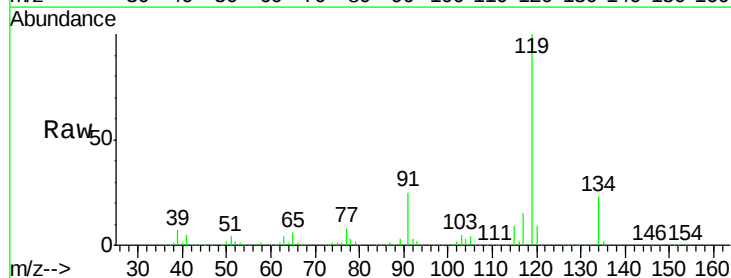
Tgt Ion:119 Resp: 2462524

Ion Ratio Lower Upper

119 100

134 22.8 11.3 33.8

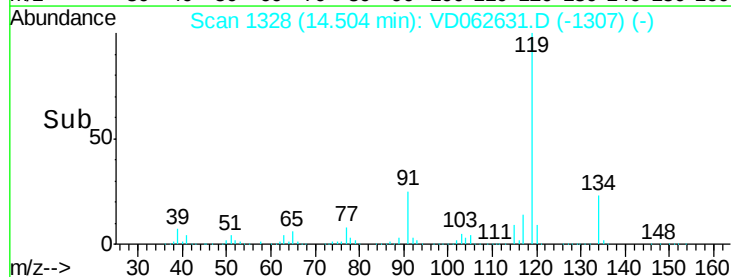
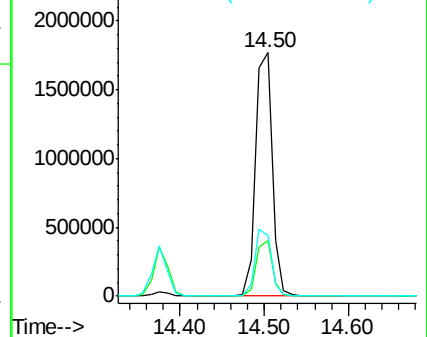
91 24.9 12.8 38.3

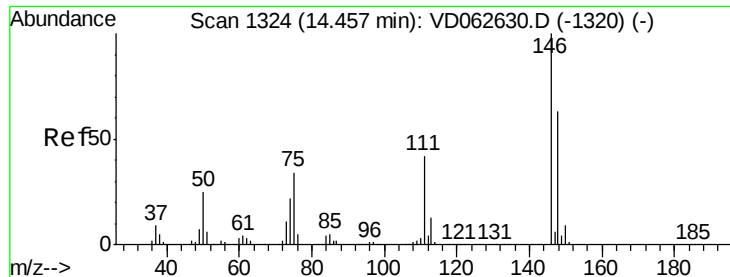


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

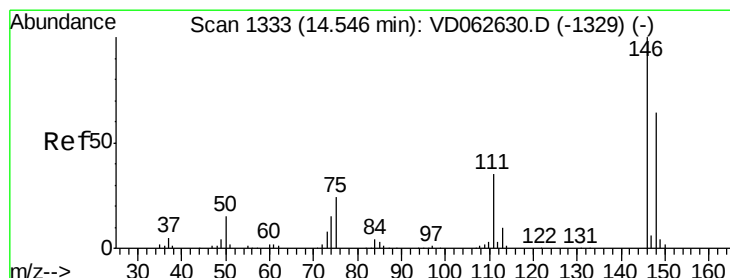
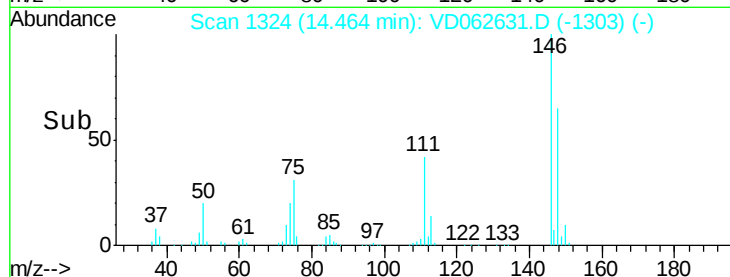
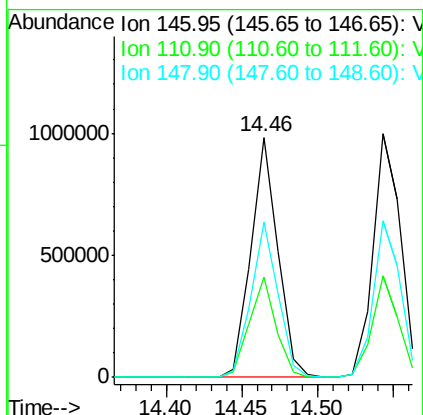
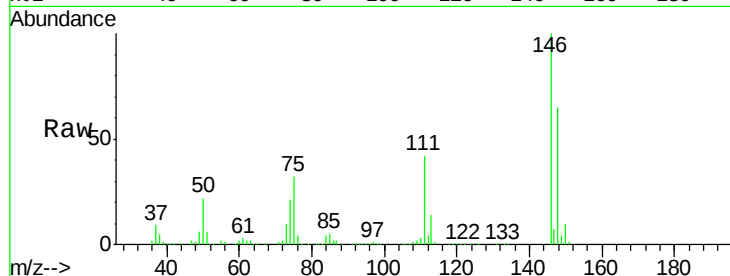




#87
 1,3-Dichlorobenzene
 Concen: 72.370 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

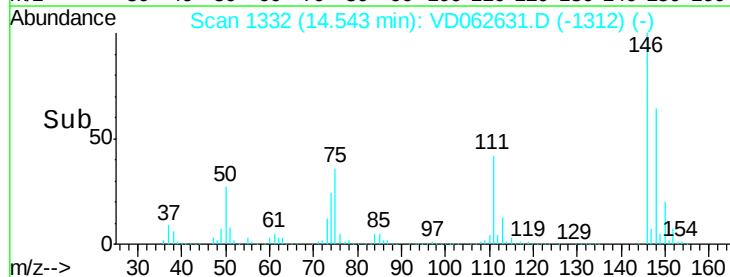
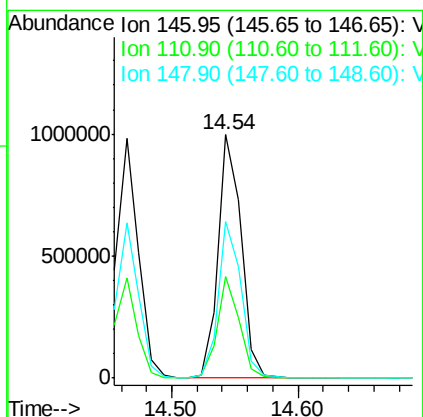
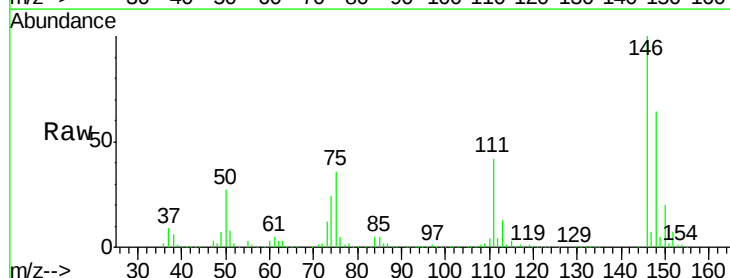
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

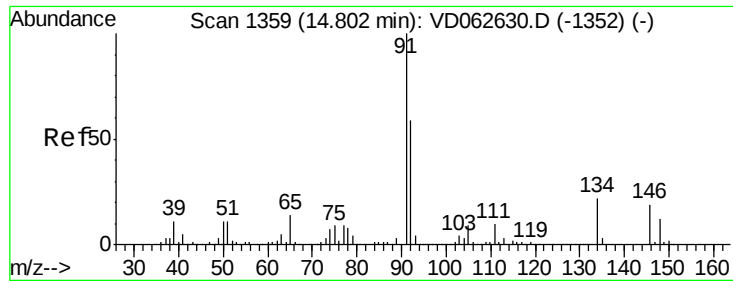
Tot Ion:146 Resp: 1223360
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.5
 148 64.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 74.985 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion:146 Resp: 1268122
 Ion Ratio Lower Upper
 146 100
 111 41.9 17.5 52.6
 148 64.3 31.9 95.7

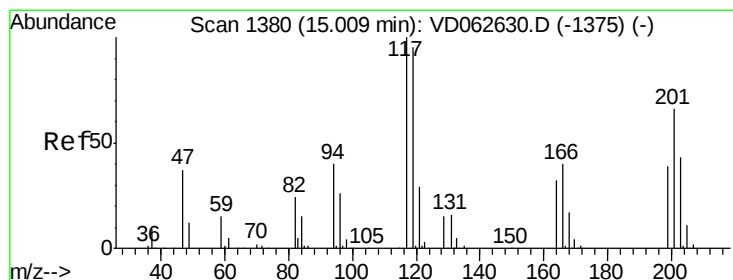
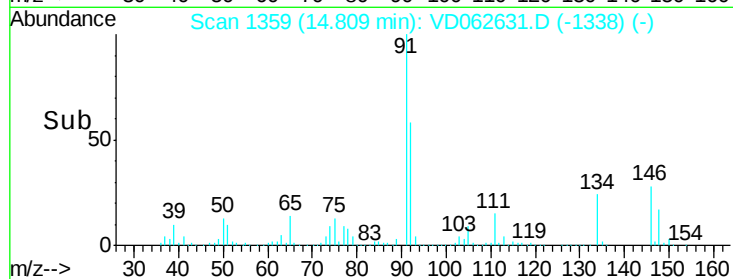
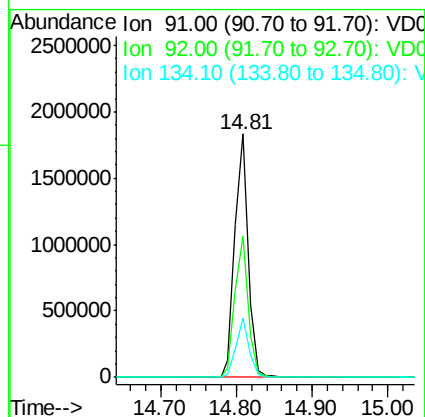
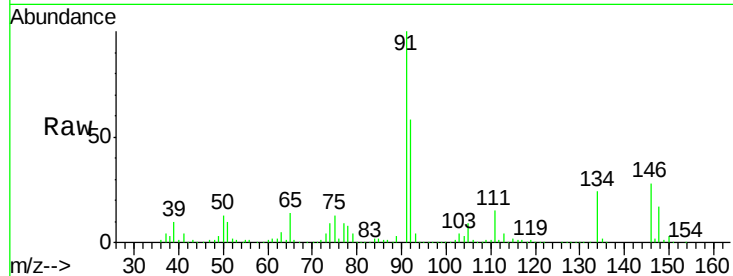




#89
n-Butylbenzene
Concen: 71.755 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

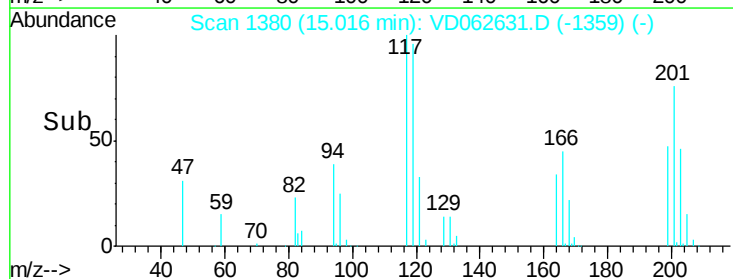
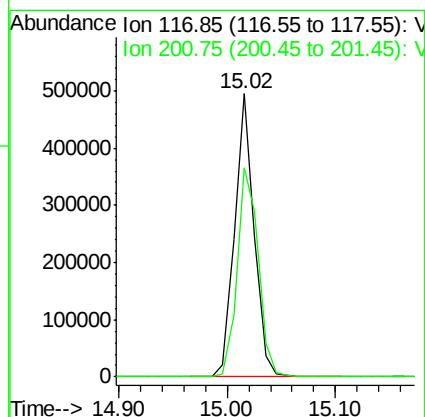
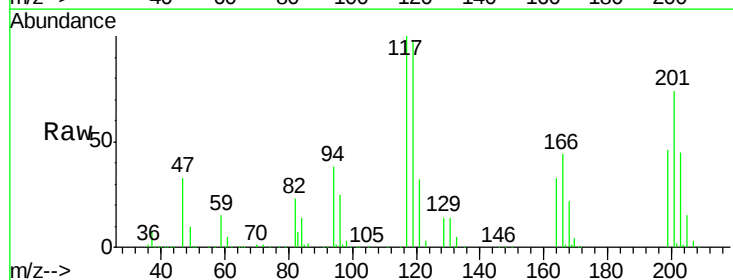
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

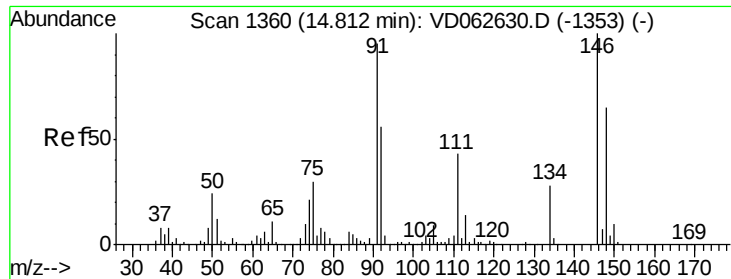
Tot Ion: 91 Resp: 2209721
Ion Ratio Lower Upper
91 100
92 58.0 29.3 87.8
134 24.4 11.3 33.8



#90
Hexachloroethane
Concen: 70.767 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion: 117 Resp: 622909
Ion Ratio Lower Upper
117 100
201 74.0 32.8 98.4

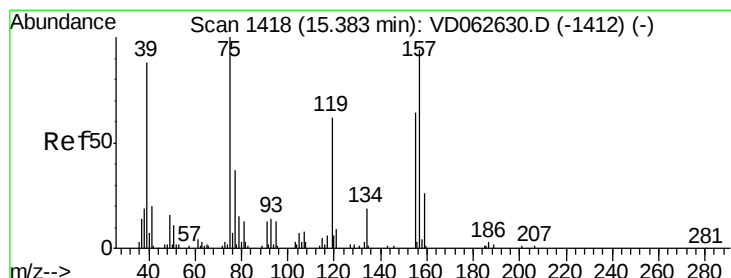
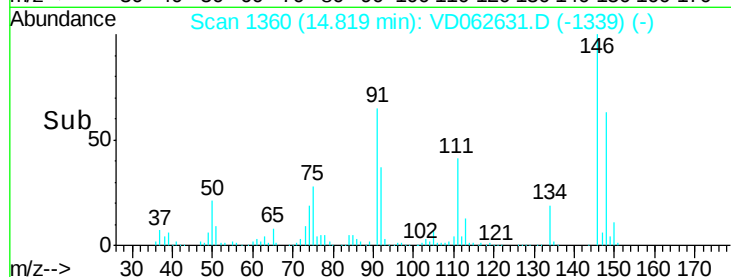
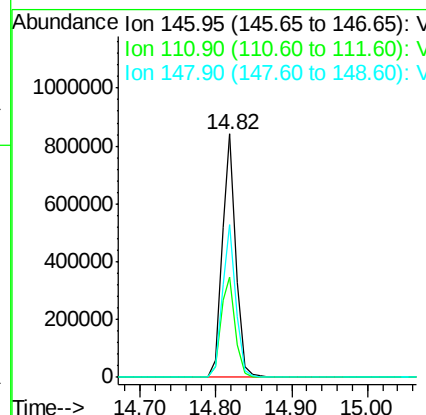
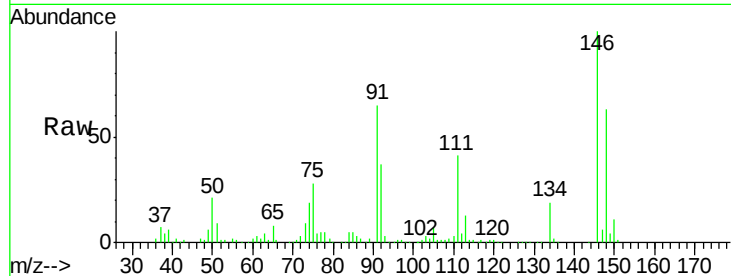




#91
 1,2-Dichlorobenzene
 Concen: 70.215 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

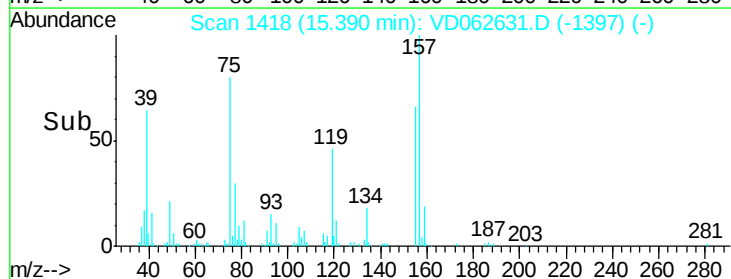
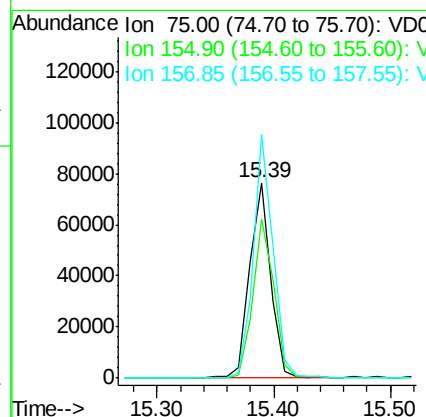
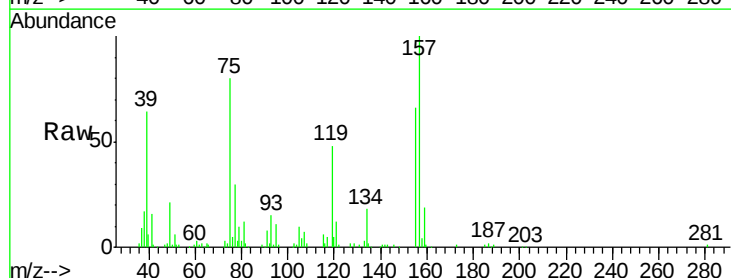
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

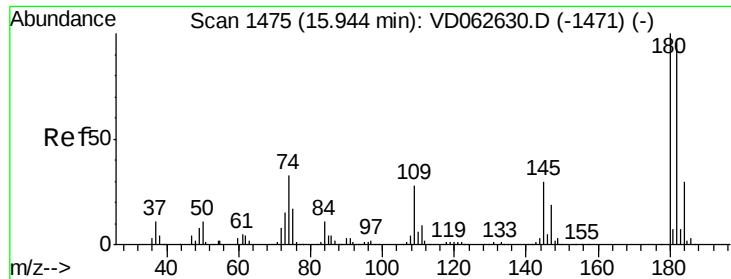
Tot Ion:146 Resp: 1065520
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.4 64.3
 148 62.7 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.651 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion: 75 Resp: 95431
 Ion Ratio Lower Upper
 75 100
 155 81.9 32.2 96.6
 157 124.8 47.0 141.0

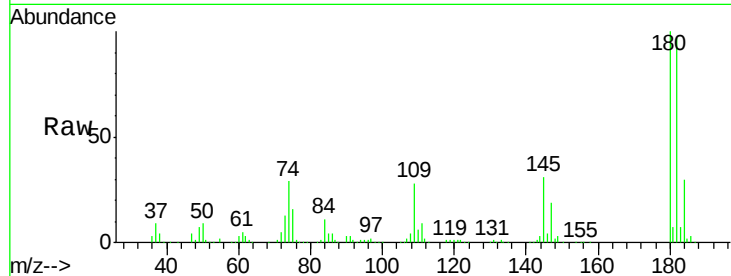




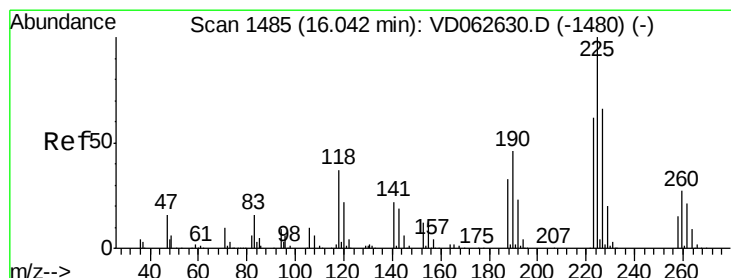
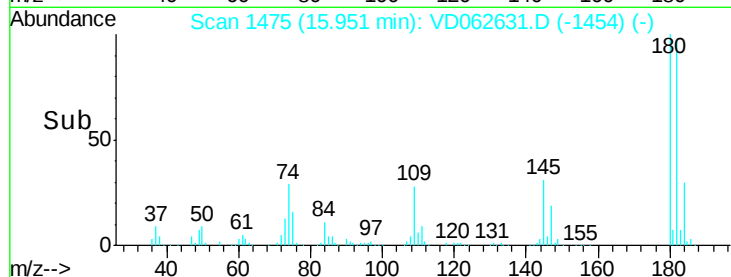
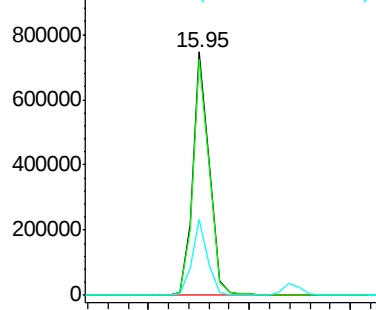
#93
 1,2,4-Trichlorobenzene
 Concen: 76.691 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 858814
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.0 144.2
 145 31.4 15.2 45.6

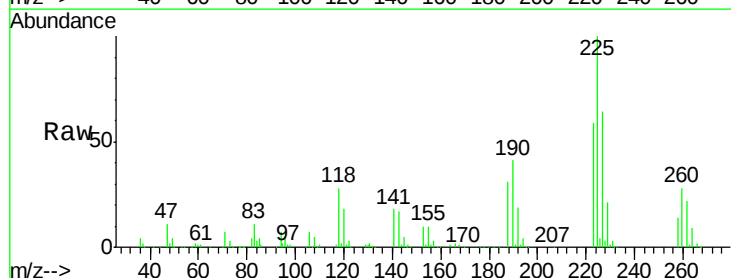


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

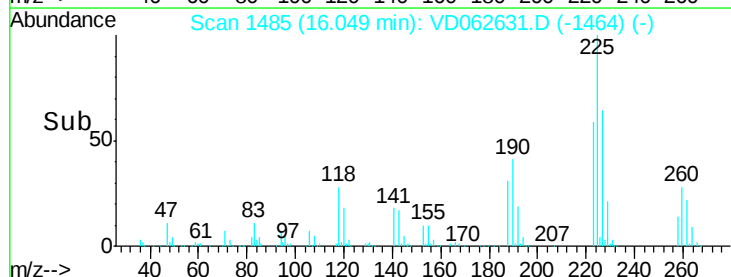
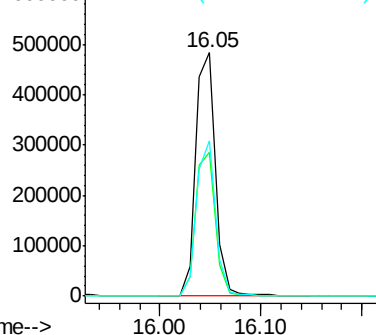


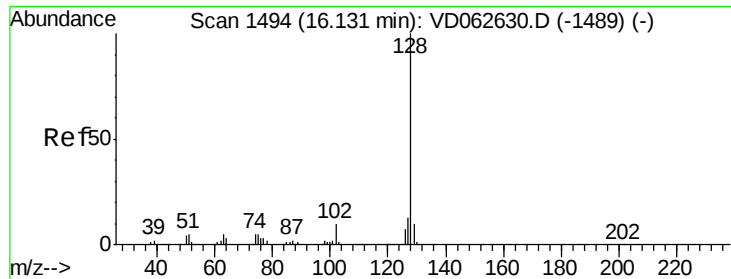
#94
 Hexachlorobutadiene
 Concen: 78.748 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062631.D
 Acq: 6 Jun 2019 18:14

Tgt Ion:225 Resp: 661073
 Ion Ratio Lower Upper
 225 100
 223 59.0 30.9 92.7
 227 64.0 32.9 98.7



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

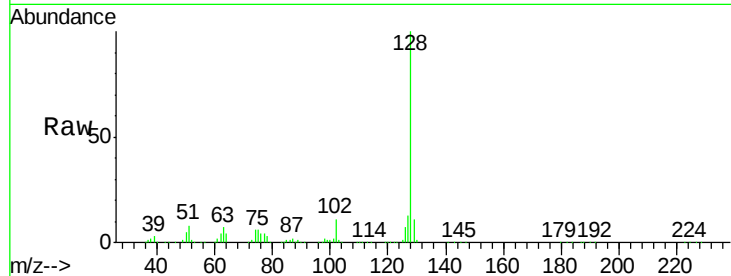




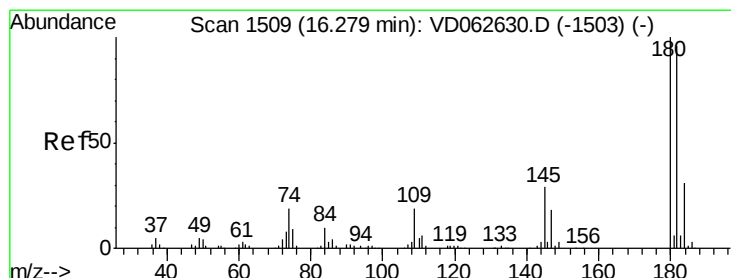
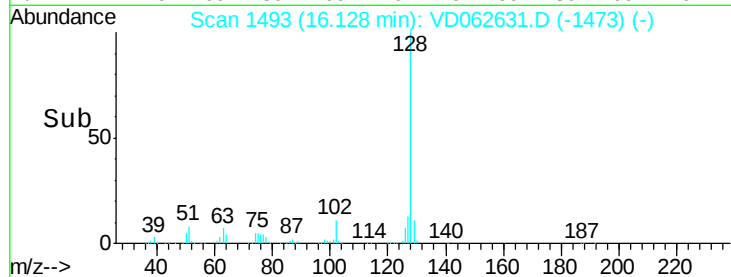
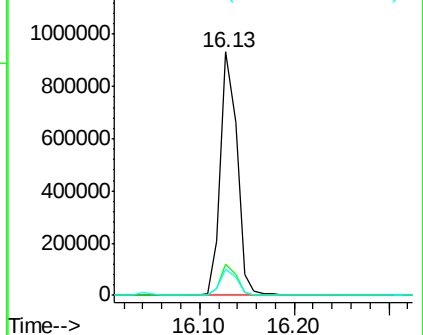
#95
Naphthalene
Concen: 72.011 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1144111
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.7 8.3 12.5

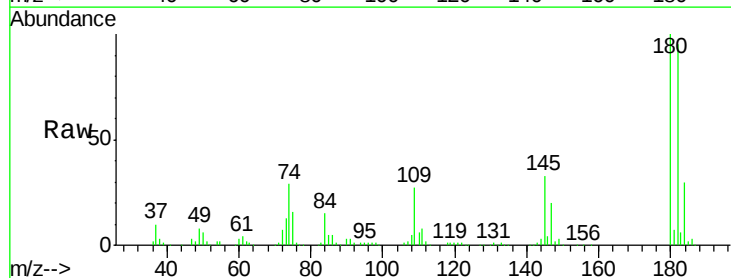


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 79.592 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062631.D
Acq: 6 Jun 2019 18:14

Tgt Ion:180 Resp: 673157
Ion Ratio Lower Upper
180 100
182 95.1 48.0 144.2
145 32.9 14.4 43.2



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

