

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062778.D
 Acq On : 19 Jun 2019 14:45
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 20 01:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	874997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1129202	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	986259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	542402	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	91993	9.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	6.93	113	97228	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
50) Toluene-d8	10.41	98	217329	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
62) 4-Bromofluorobenzene	13.55	95	95249	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	120764	10.655	ug/l	96
3) Chloromethane	1.74	50	92762	10.882	ug/l #	85
4) Vinyl Chloride	1.84	62	81694	9.667	ug/l	100
5) Bromomethane	2.14	94	45208	11.422	ug/l	93
6) Chloroethane	2.26	64	45028	11.768	ug/l #	70
7) Trichlorofluoromethane	2.53	101	174986	10.231	ug/l	96
8) Diethyl Ether	2.87	74	22689	10.441	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	89498	9.659	ug/l #	85
10) Methyl Iodide	3.29	142	111197	9.097	ug/l	96
11) Tert butyl alcohol	4.08	59	20997	48.422	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	70267	10.109	ug/l	93
13) Acrolein	3.03	56	21659	48.929	ug/l	96
14) Allyl chloride	3.61	41	106579	10.389	ug/l	99
15) Acrylonitrile	4.19	53	50747	49.811	ug/l	98
16) Acetone	3.22	43	98793	46.371	ug/l #	91
17) Carbon Disulfide	3.37	76	215336	9.707	ug/l	96
18) Methyl Acetate	3.64	43	29431	10.241	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	143912	9.564	ug/l #	88
20) Methylene Chloride	3.81	84	74024	10.195	ug/l #	87
21) trans-1,2-Dichloroethene	4.21	96	67248	9.086	ug/l	90
22) Diisopropyl ether	5.13	45	208187	9.968	ug/l #	95
23) Vinyl Acetate	5.06	43	627287	47.902	ug/l	99
24) 1,1-Dichloroethane	4.98	63	135056	9.932	ug/l	96
25) 2-Butanone	6.07	43	88385	49.642	ug/l	96
26) 2,2-Dichloropropane	6.02	77	143996	9.990	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	78212	9.993	ug/l	91
28) Bromochloromethane	6.44	49	48177	10.059	ug/l #	73
29) Tetrahydrofuran	6.46	42	40628	48.227	ug/l	98
30) Chloroform	6.67	83	163200	9.868	ug/l	96
31) Cyclohexane	6.96	56	85826	9.600	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	170481	9.897	ug/l	93
36) 1,1-Dichloropropene	7.14	75	115030	10.761	ug/l	95
37) Ethyl Acetate	6.18	43	48518	9.911	ug/l #	73
38) Carbon Tetrachloride	7.11	117	164909	10.073	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	93647	9.953	ug/l	93
40) Benzene	7.45	78	219501	10.230	ug/l	98
41) Methacrylonitrile	6.44	41	58820	10.434	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	119539	10.212	ug/l	98
43) Isopropyl Acetate	9.24	43	53933	9.624	ug/l #	90
44) Trichloroethene	8.54	130	82252	9.778	ug/l	87
45) 1,2-Dichloropropane	8.95	63	55053	10.318	ug/l	92
46) Dibromomethane	9.06	93	47233	10.306	ug/l	89
47) Bromodichloromethane	9.38	83	123688	10.391	ug/l	96
48) Methyl methacrylate	9.12	41	39922	10.024	ug/l	97
49) 1,4-Dioxane	9.08	88	6006	181.271	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	211597	53.255	ug/l	100
52) Toluene	10.51	92	142890	9.907	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	102637	10.535	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	108818	10.276	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	49805	10.051	ug/l #	88
56) Ethyl methacrylate	11.04	69	53177	10.041	ug/l	92
57) 1,3-Dichloropropane	11.41	76	77607	10.228	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	133081	48.949	ug/l	100
59) 2-Hexanone	11.53	43	134938	47.686	ug/l	96
60) Dibromochloromethane	11.69	129	92604	10.033	ug/l	99
61) 1,2-Dibromoethane	11.81	107	58580	10.009	ug/l	83
64) Tetrachloroethene	11.26	164	80591	9.928	ug/l #	86
65) Chlorobenzene	12.40	112	171224	9.355	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	87829	10.260	ug/l	95
67) Ethyl Benzene	12.53	91	324477	9.874	ug/l	98
68) m/p-Xylenes	12.68	106	238066	20.800	ug/l	93
69) o-Xylene	13.05	106	104149	9.954	ug/l	93
70) Styrene	13.07	104	175455	9.547	ug/l	97
71) Bromoform	13.24	173	55357	9.439	ug/l	96
73) Isopropylbenzene	13.40	105	344675	9.911	ug/l	99
74) N-amyl acetate	13.27	43	74417	8.811	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	52825	9.322	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	59624	9.522	ug/l	90
77) Bromobenzene	13.67	156	85050	9.092	ug/l	88
78) n-propylbenzene	13.78	91	405256	10.012	ug/l	97
79) 2-Chlorotoluene	13.84	91	236716	10.242	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	277380	9.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	16438	10.017	ug/l	95
82) 4-Chlorotoluene	13.95	91	275290	9.885	ug/l	93
83) tert-Butylbenzene	14.19	119	316553	9.722	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	307564	10.272	ug/l	95
85) sec-Butylbenzene	14.37	105	362666	10.248	ug/l	95
86) p-Isopropyltoluene	14.50	119	336561	10.395	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	163043	9.723	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	174984	10.390	ug/l	93
89) n-Butylbenzene	14.80	91	304019	10.033	ug/l	95
90) Hexachloroethane	15.01	117	78601	9.029	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	140652	9.804	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11416	10.322	ug/l	79

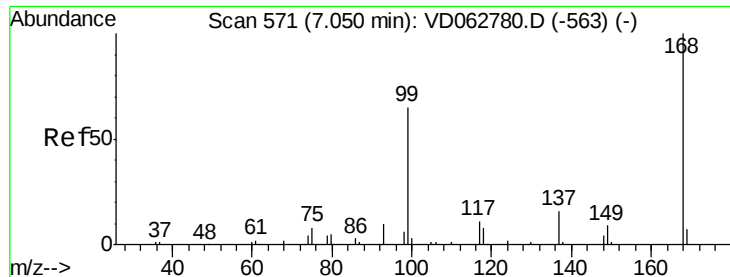
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
Data File : VD062778.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	120669	10.767	ug/l	93
94) Hexachlorobutadiene	16.04	225	83445	9.746	ug/l	97
95) Naphthalene	16.12	128	149604	9.524	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	83588	9.707	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

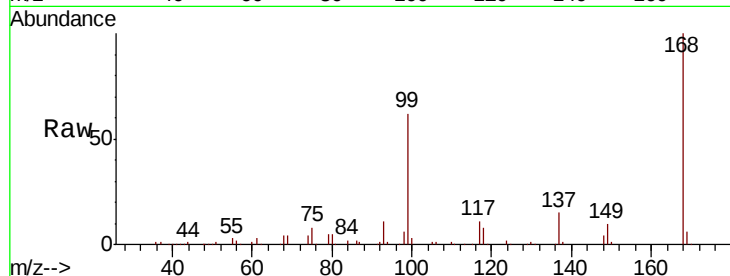
VSTDIC010

Tot Ion:168 Resp: 874997

Ion Ratio Lower Upper

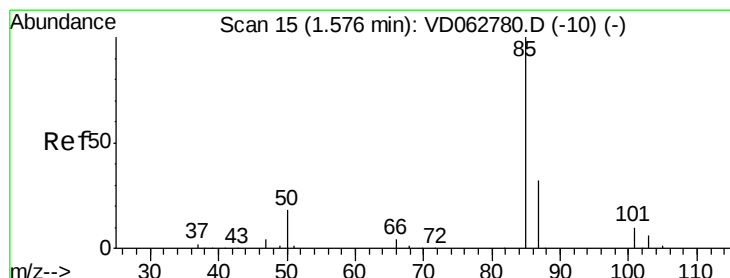
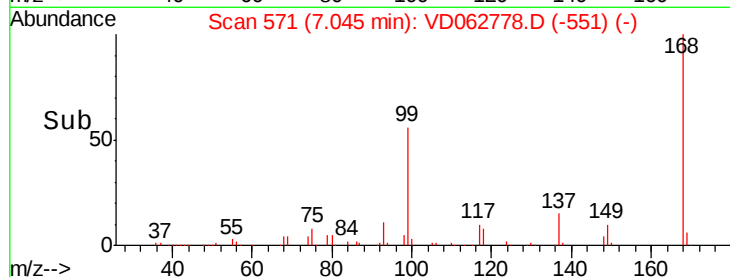
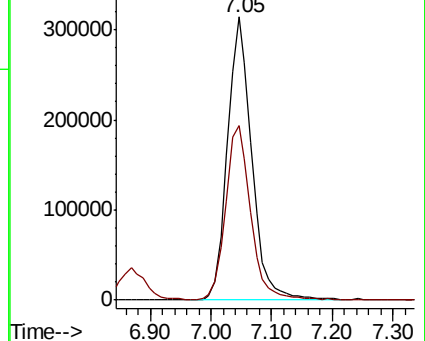
168 100

99 61.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 10.655 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062778.D

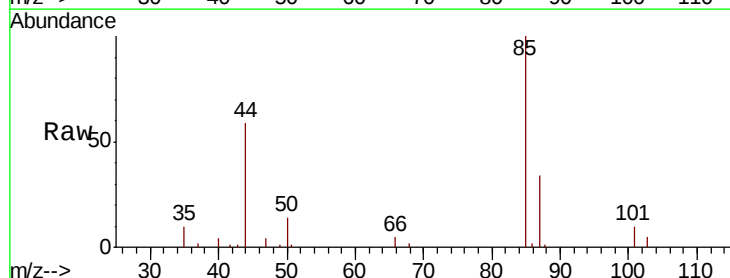
Acq: 19 Jun 2019 14:45

Tgt Ion: 85 Resp: 120764

Ion Ratio Lower Upper

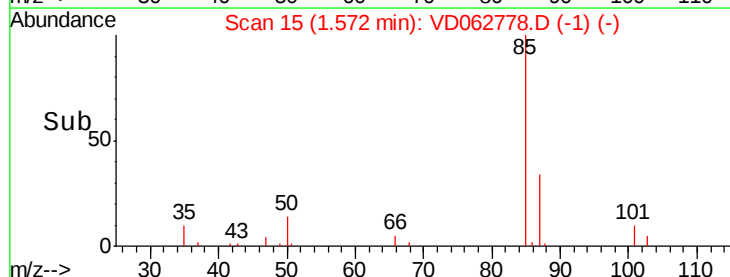
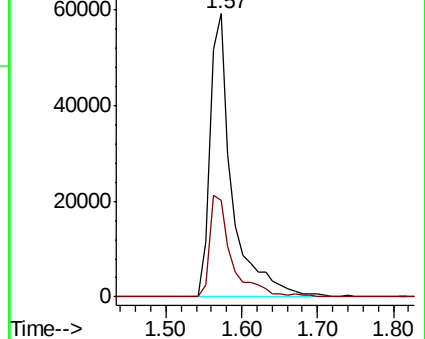
85 100

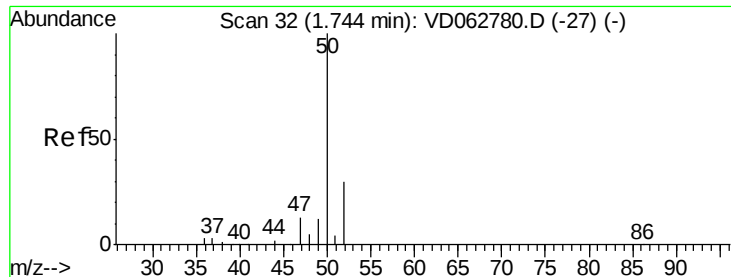
87 34.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.882 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

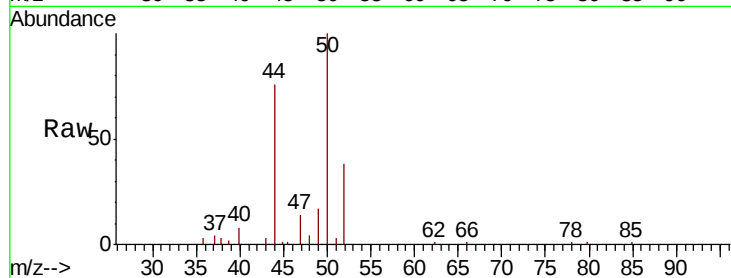
VSTDIC010

Tot Ion: 50 Resp: 92762

Ion Ratio Lower Upper

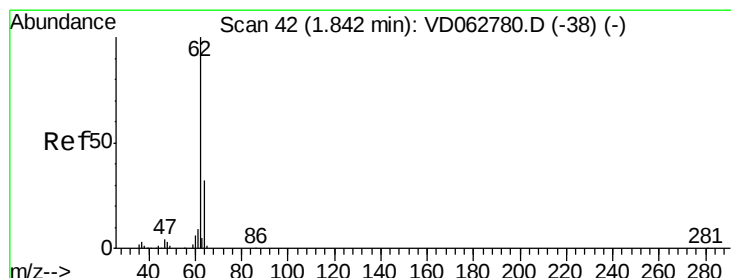
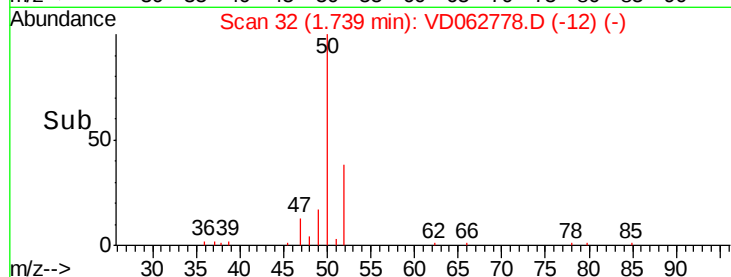
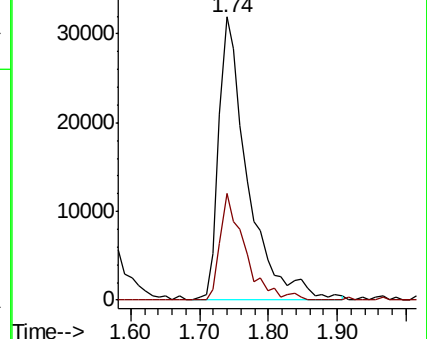
50 100

52 37.8 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.667 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062778.D

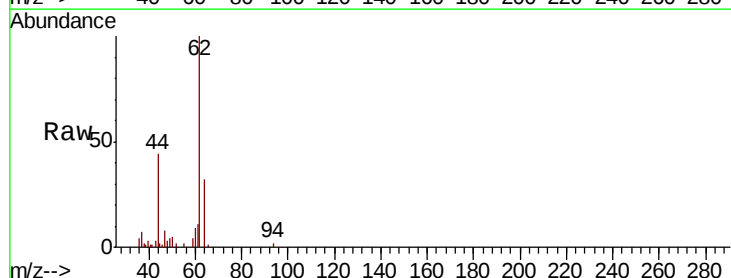
Acq: 19 Jun 2019 14:45

Tgt Ion: 62 Resp: 81694

Ion Ratio Lower Upper

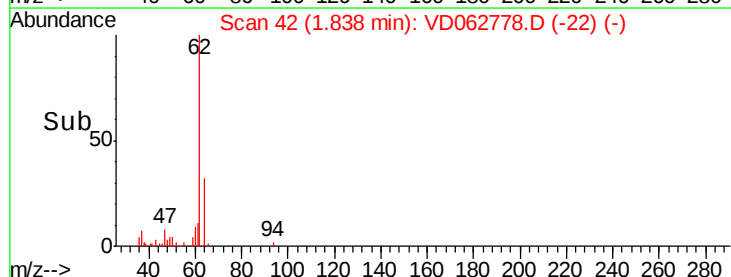
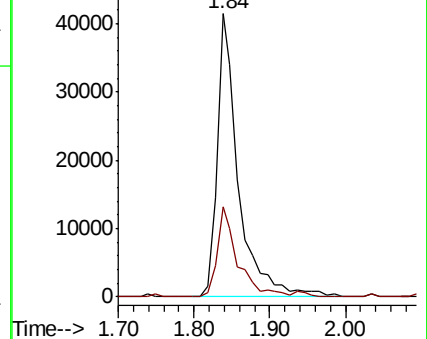
62 100

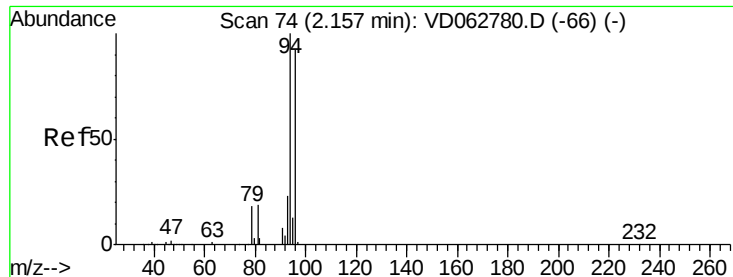
64 31.9 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.422 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

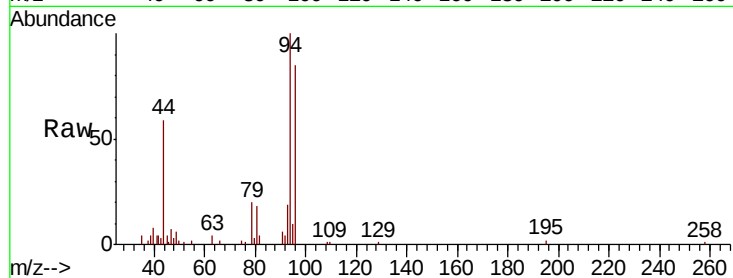
Tot Ion: 94 Resp: 45208

Ion Ratio Lower Upper

94 100

96 85.4 73.4 110.2

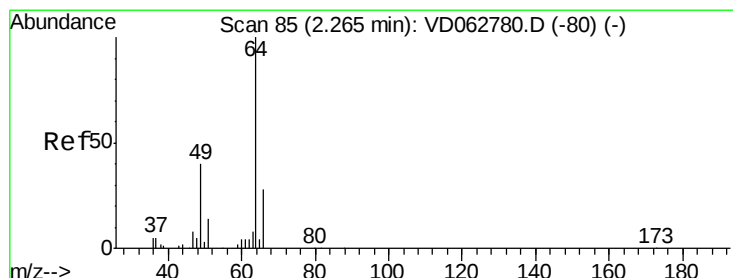
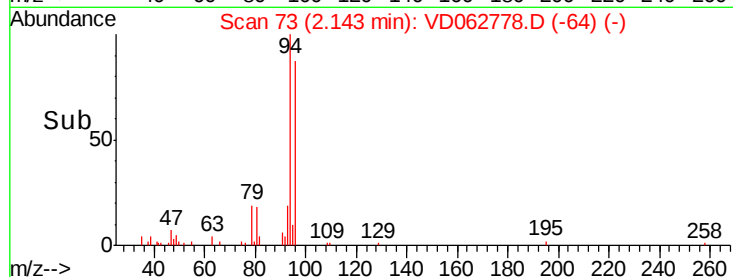
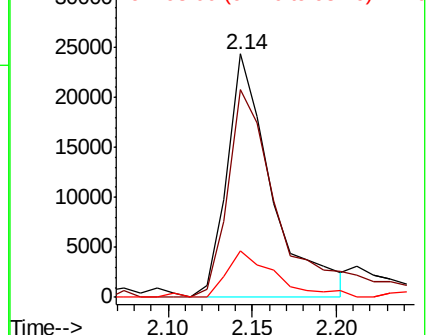
93 19.1 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 11.768 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062778.D

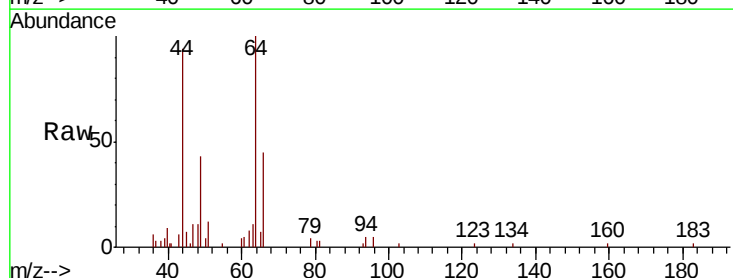
Acq: 19 Jun 2019 14:45

Tgt Ion: 64 Resp: 45028

Ion Ratio Lower Upper

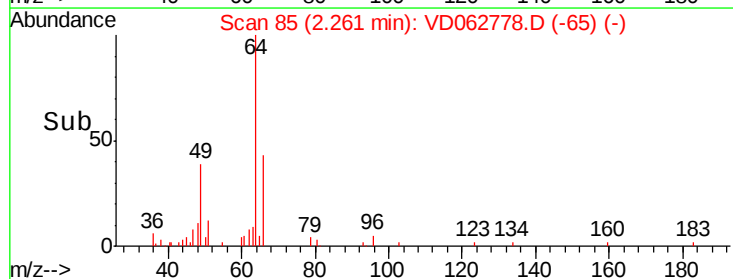
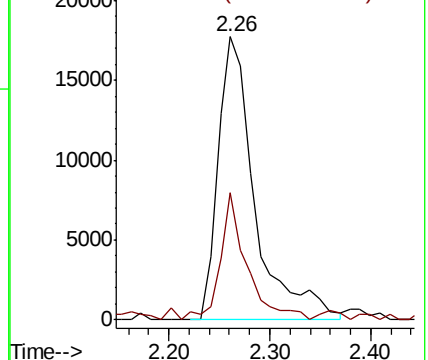
64 100

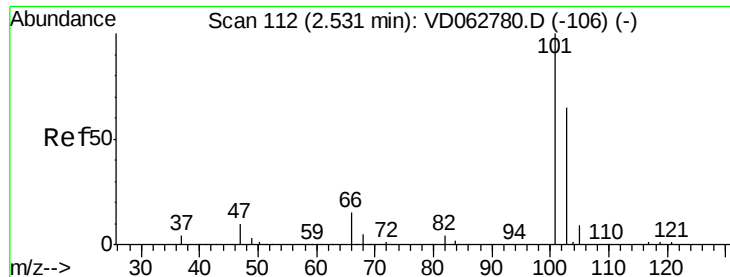
66 44.8 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



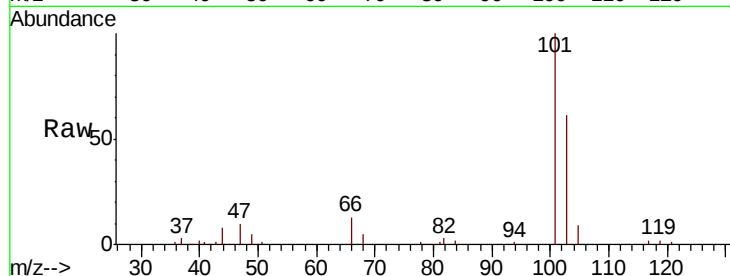


#7

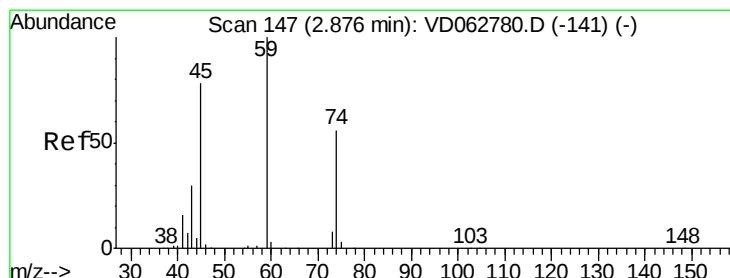
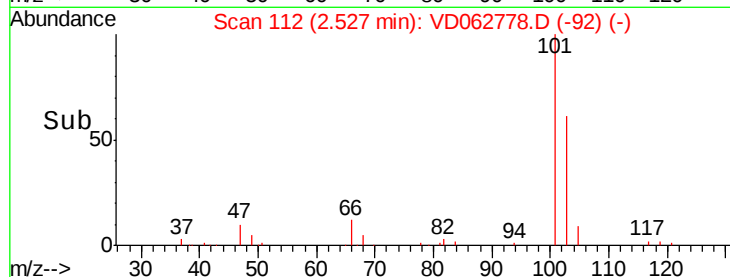
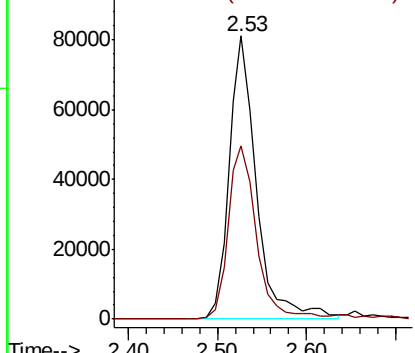
Trichlorofluoromethane
Concen: 10.231 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Instrument :
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VSTDIC010

Tot Ion:101 Resp: 174986
Ion Ratio Lower Upper
101 100
103 61.3 51.8 77.8



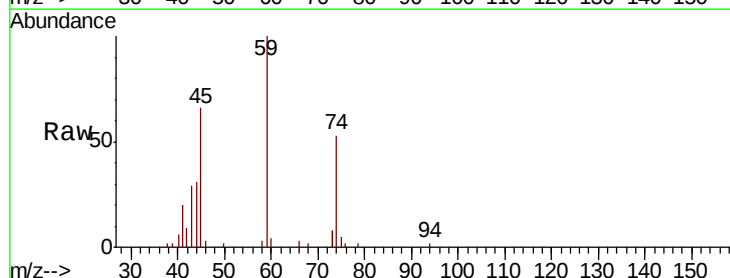
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



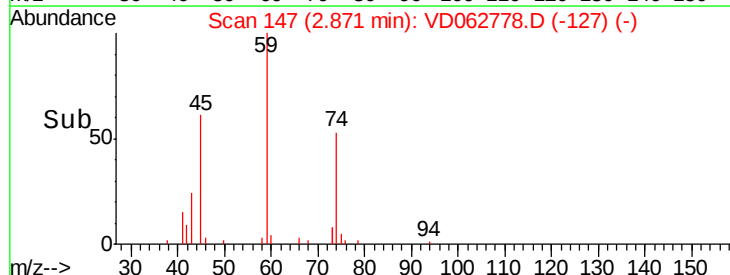
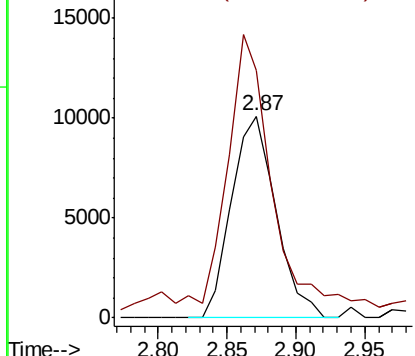
#8

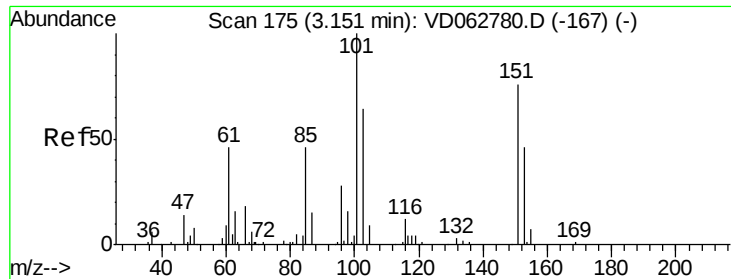
Diethyl Ether
Concen: 10.441 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 74 Resp: 22689
Ion Ratio Lower Upper
74 100
45 122.8 70.2 210.6



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: 9.659 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

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VSTDIC010

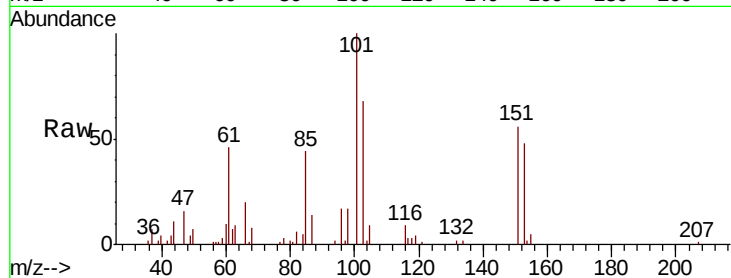
Tot Ion:101 Resp: 89498

Ion Ratio Lower Upper

101 100

85 44.0 37.0 55.4

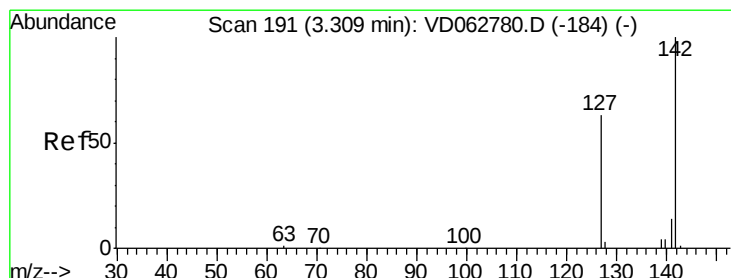
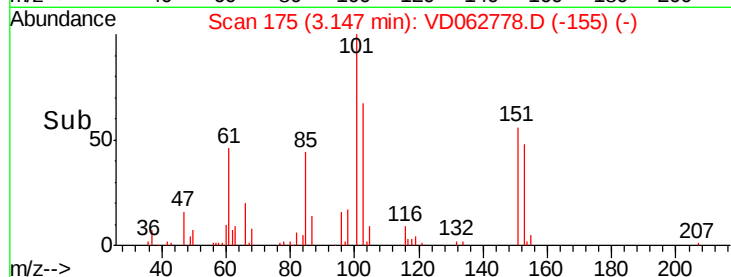
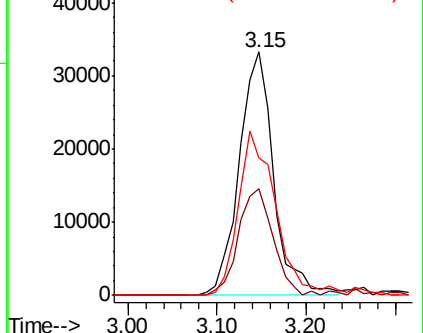
151 56.5 60.5 90.7#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 9.097 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

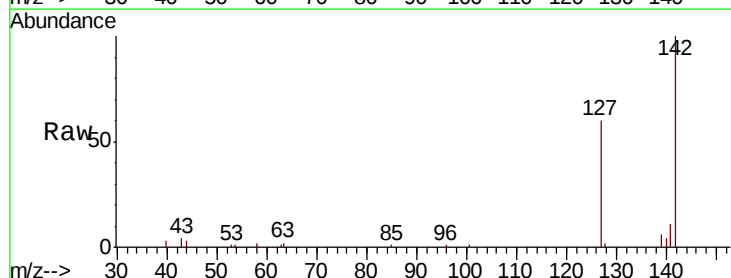
Tgt Ion:142 Resp: 111197

Ion Ratio Lower Upper

142 100

127 60.0 50.1 75.1

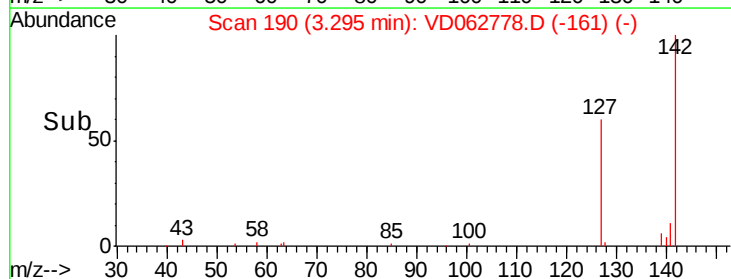
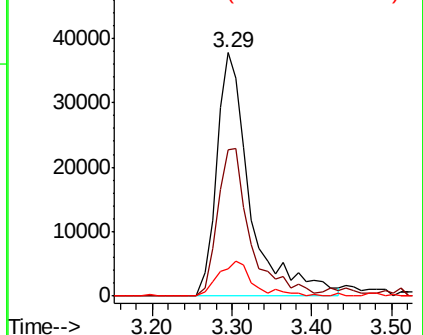
141 11.4 11.0 16.4

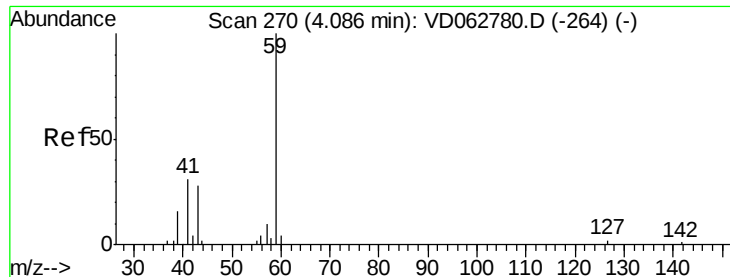


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



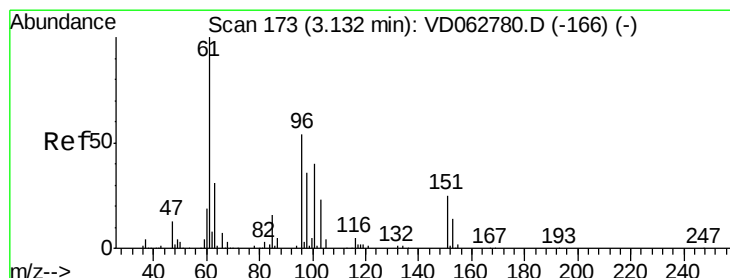
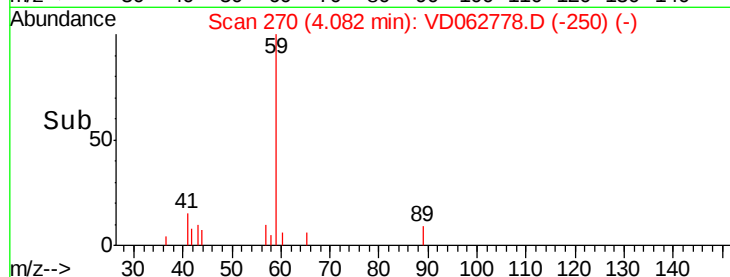
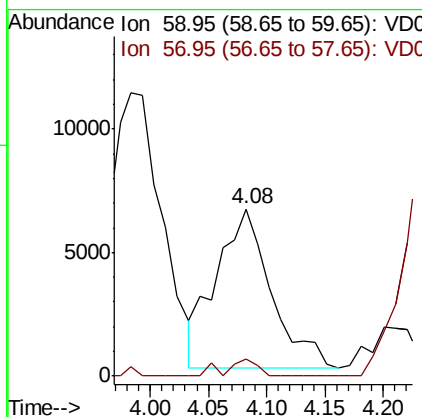
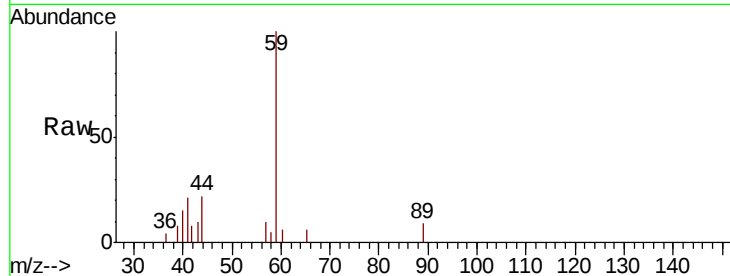


#11

Tert butyl alcohol
 Concen: 48.422 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

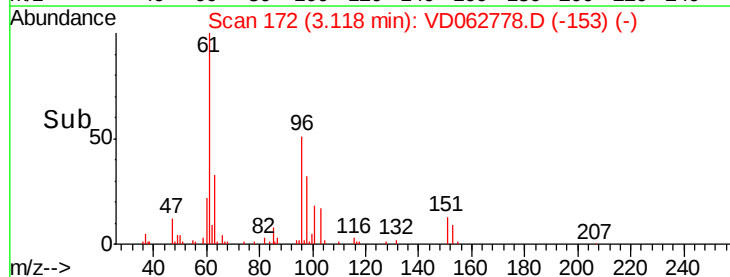
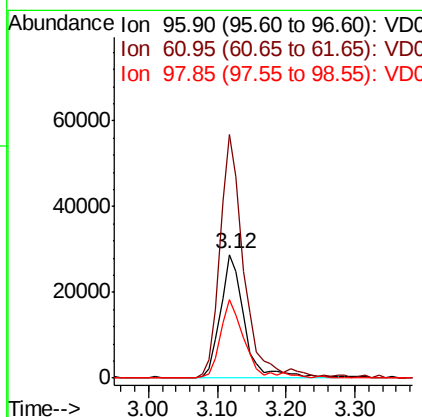
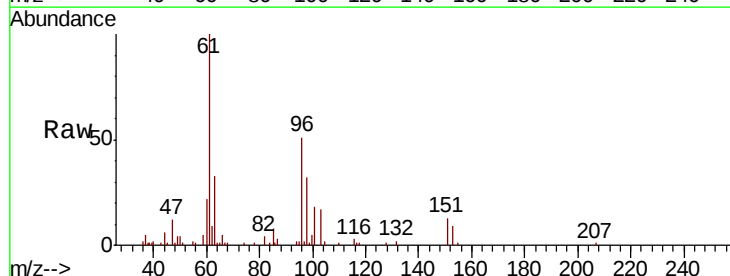
Tot Ion: 59 Resp: 20997
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.6 10.0#



#12

1,1-Dichloroethene
 Concen: 10.109 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 96 Resp: 70267
 Ion Ratio Lower Upper
 96 100
 61 196.7 147.1 220.7
 98 63.7 52.6 79.0





#13

Acrolein

Concen: 48.929 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

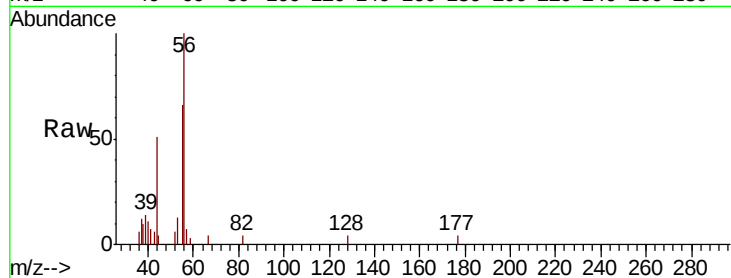
VSTDIC010

Tot Ion: 56 Resp: 21659

Ion Ratio Lower Upper

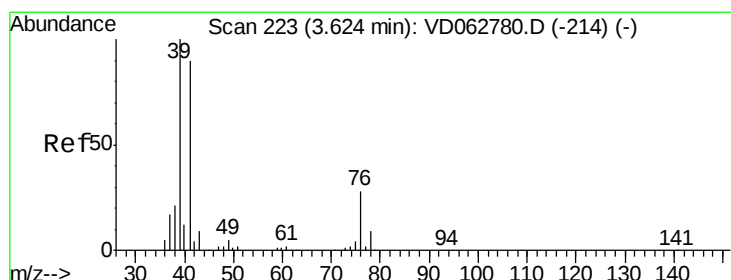
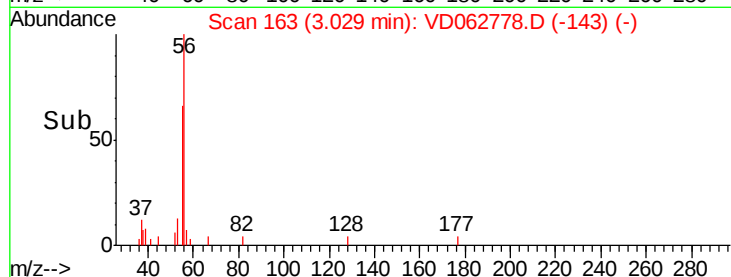
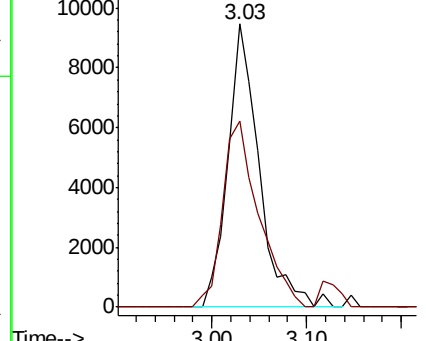
56 100

55 65.7 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.389 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

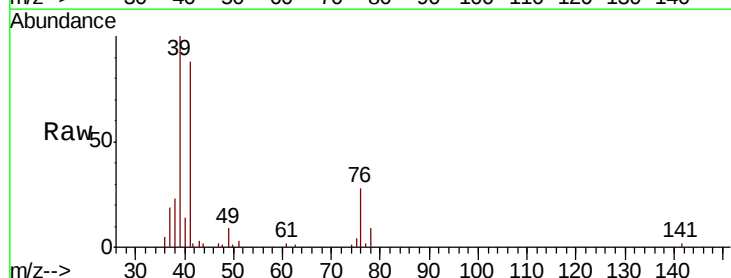
Tgt Ion: 41 Resp: 106579

Ion Ratio Lower Upper

41 100

39 111.1 88.8 133.2

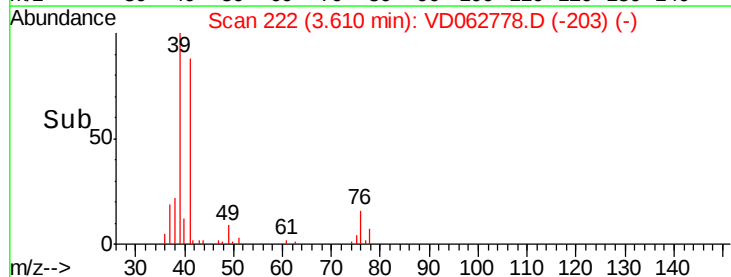
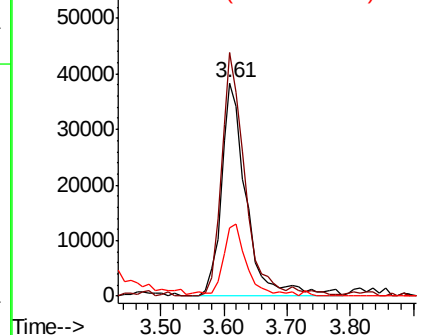
76 30.9 26.7 40.1

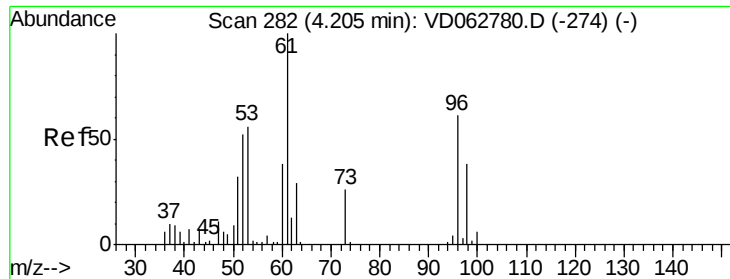


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

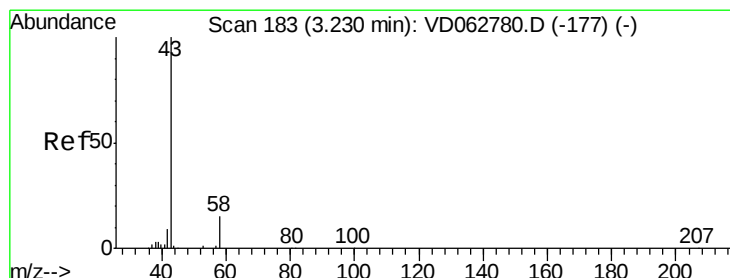
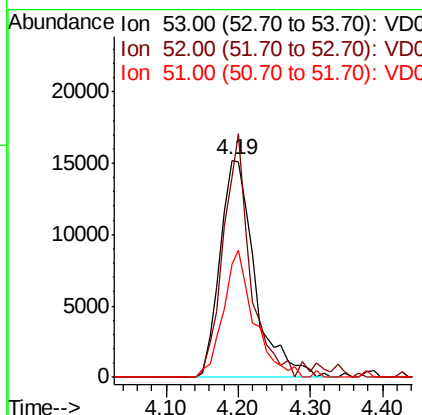
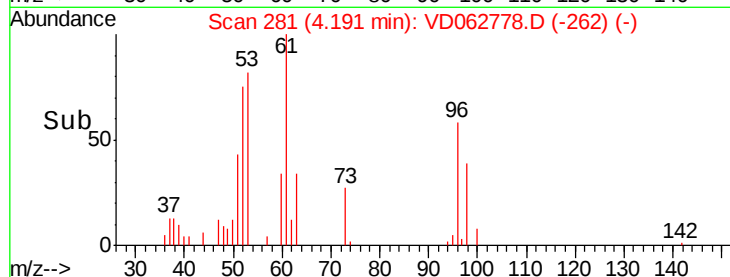
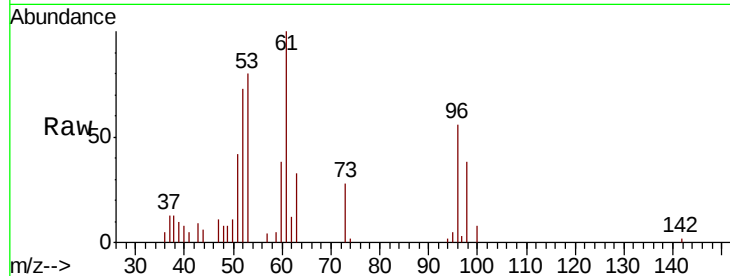




#15
 Acrylonitrile
 Concen: 49.811 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

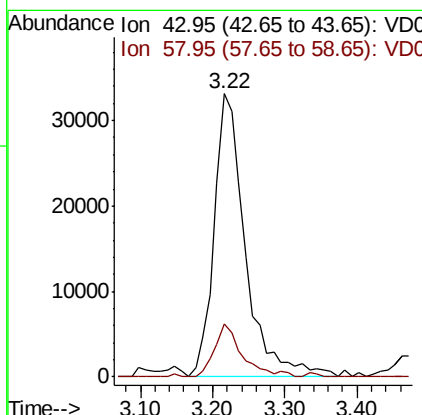
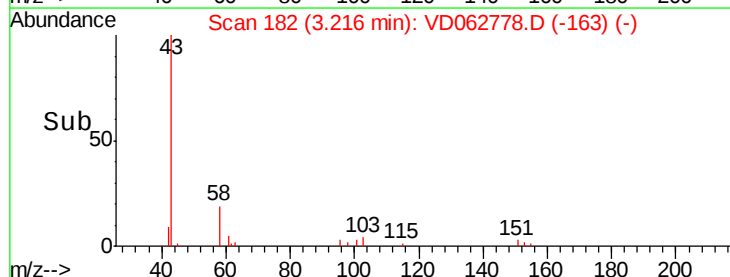
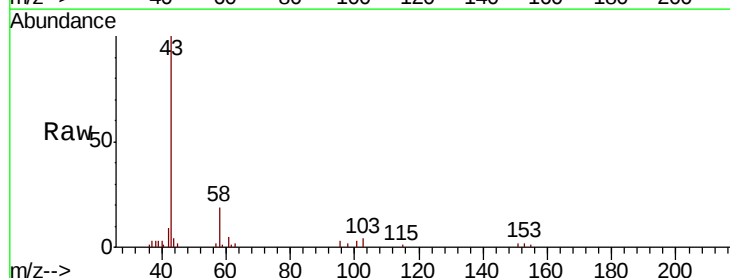
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

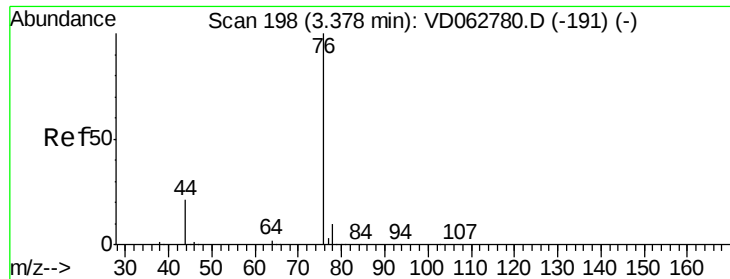
Tot Ion: 53 Resp: 50747
 Ion Ratio Lower Upper
 53 100
 52 91.8 73.3 109.9
 51 52.2 44.8 67.2



#16
 Acetone
 Concen: 46.371 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 43 Resp: 98793
 Ion Ratio Lower Upper
 43 100
 58 18.8 11.9 17.9#

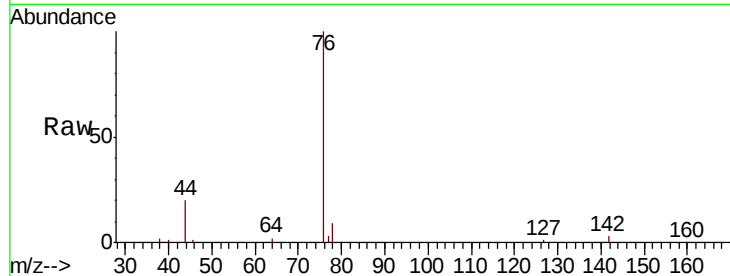




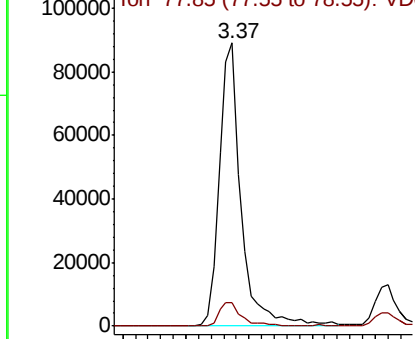
#17
Carbon Disulfide
Concen: 9.707 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

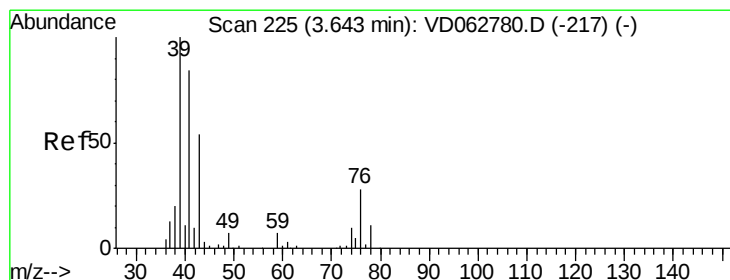
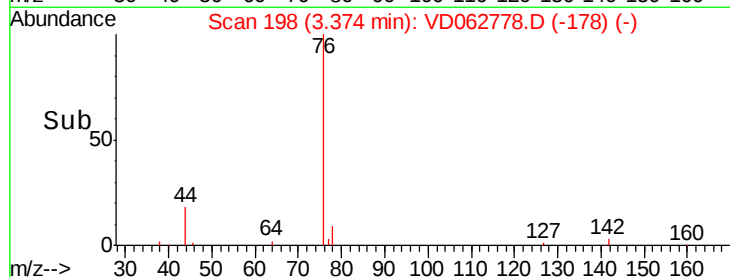
Tot Ion: 76 Resp: 215336
Ion Ratio Lower Upper
76 100
78 8.5 8.0 12.0



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

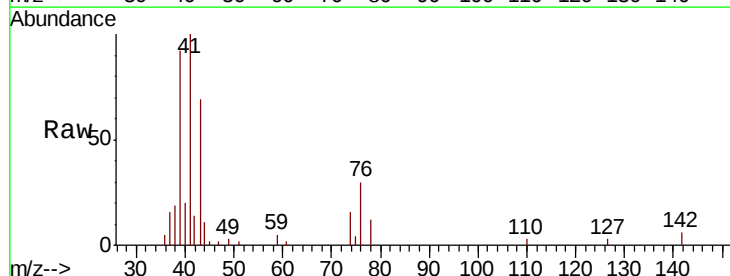


Time--> 3.20 3.30 3.40 3.50 3.60

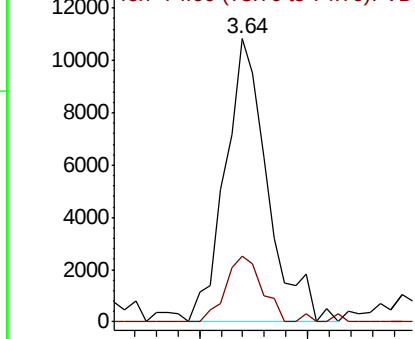


#18
Methyl Acetate
Concen: 10.241 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

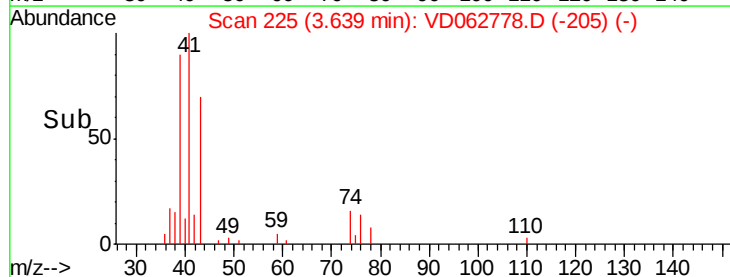
Tgt Ion: 43 Resp: 29431
Ion Ratio Lower Upper
43 100
74 23.1 15.2 22.8#

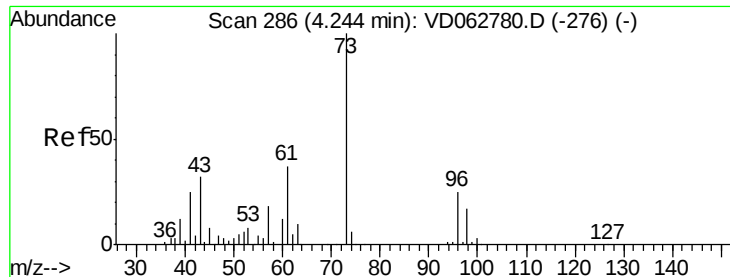


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.60 3.70



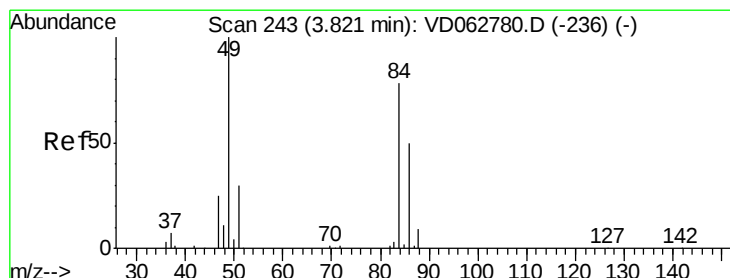
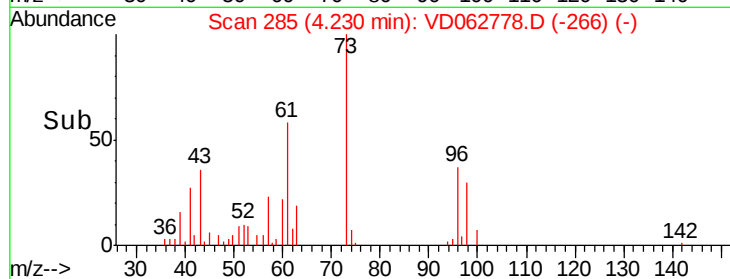
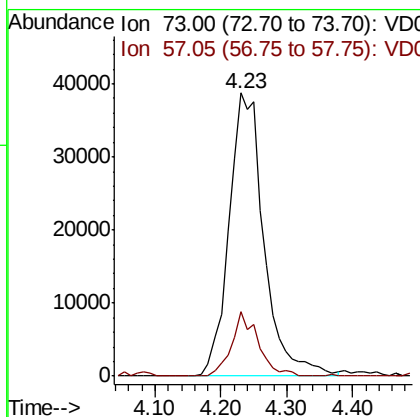
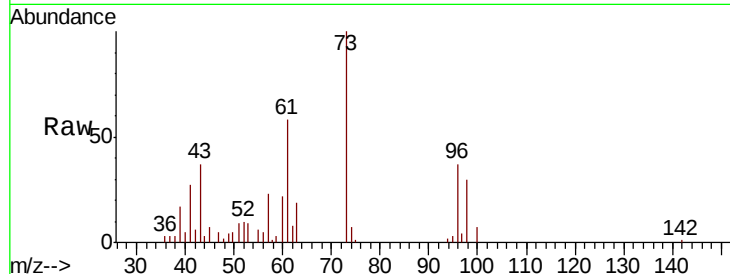


#19

Methyl tert-butyl Ether
 Concen: 9.564 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

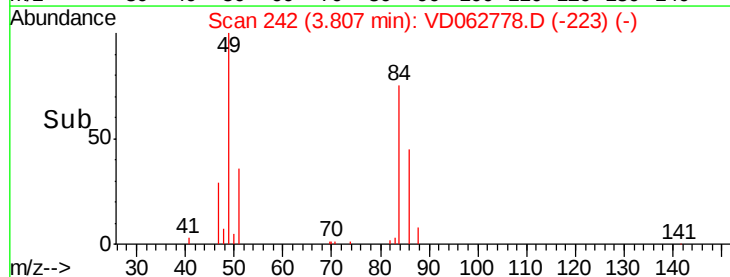
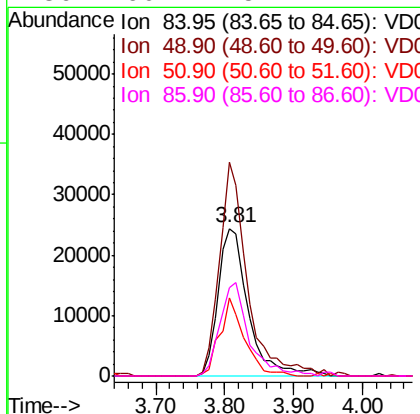
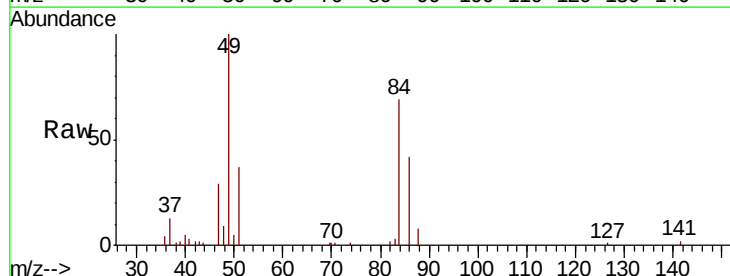
Tot Ion: 73 Resp: 143912
 Ion Ratio Lower Upper
 73 100
 57 23.0 14.3 21.5#

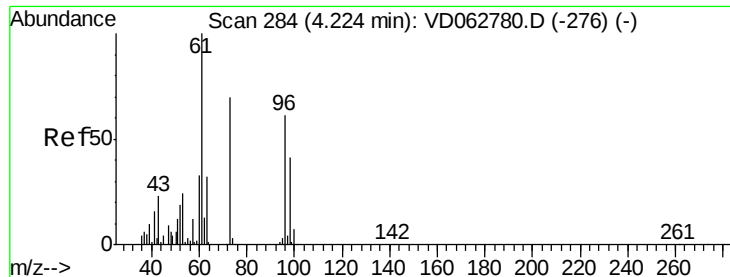


#20

Methylene Chloride
 Concen: 10.195 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 84 Resp: 74024
 Ion Ratio Lower Upper
 84 100
 49 144.7 102.9 154.3
 51 52.9 31.2 46.8#
 86 60.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 9.086 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

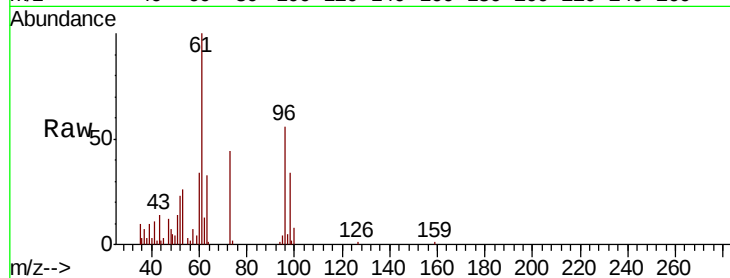
Tot Ion: 96 Resp: 67248

Ion Ratio Lower Upper

96 100

61 178.9 131.0 196.4

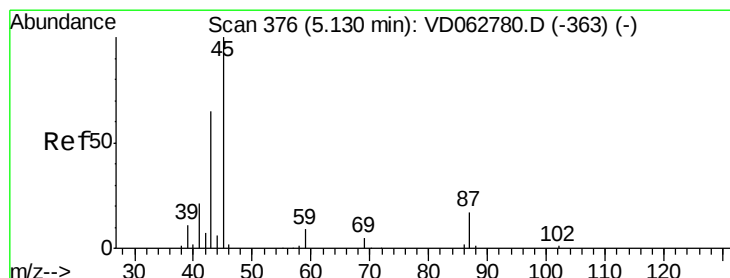
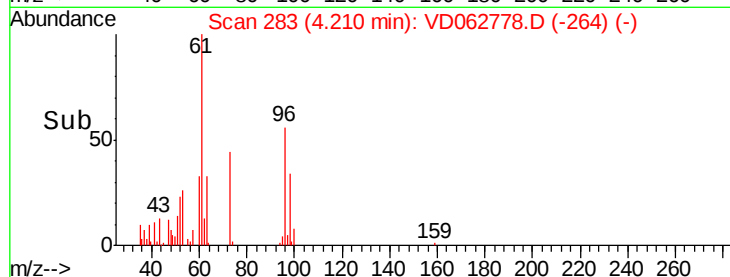
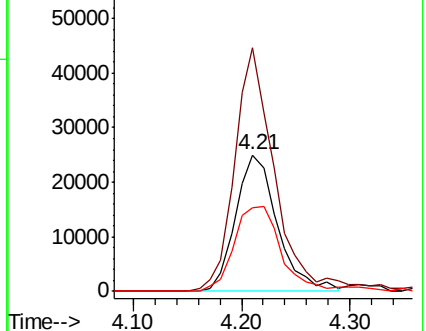
98 61.7 53.2 79.8



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: 9.968 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Tgt Ion: 45 Resp: 208187

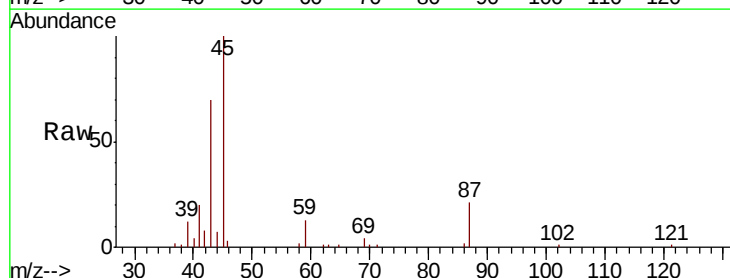
Ion Ratio Lower Upper

45 100

43 69.7 53.4 80.0

87 21.0 14.6 22.0

59 13.0 7.8 11.8#

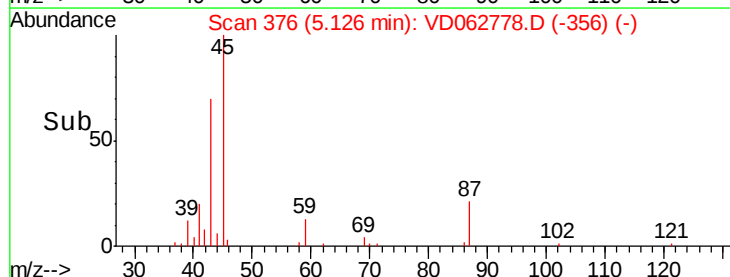
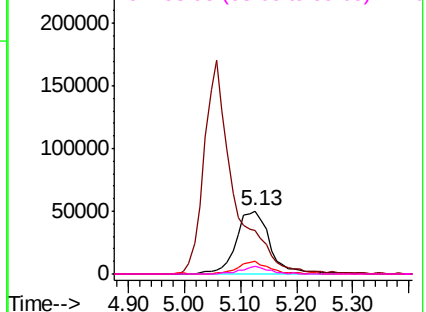


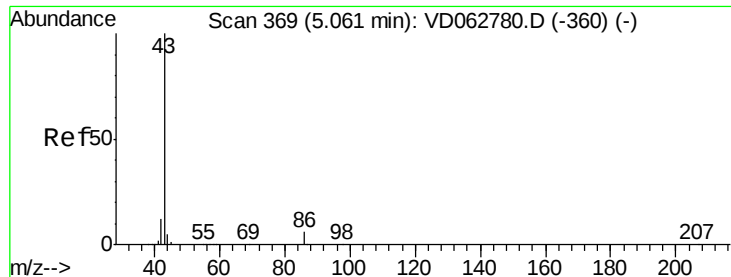
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 47.902 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

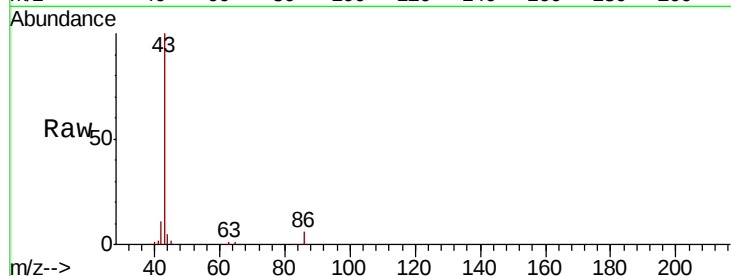
VSTDIC010

Tot Ion: 43 Resp: 627287

Ion Ratio Lower Upper

43 100

86 5.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

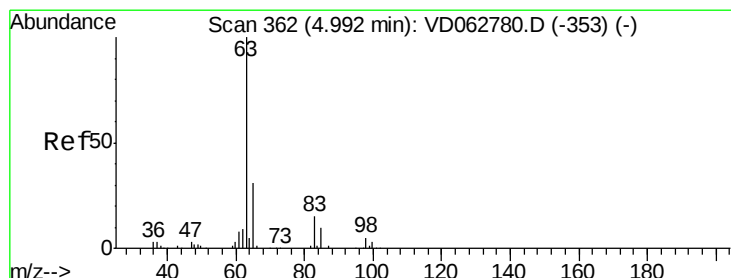
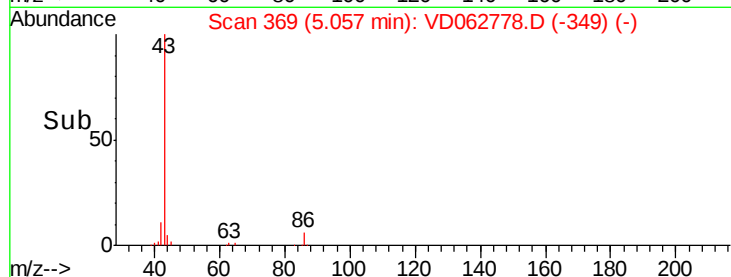
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 9.932 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

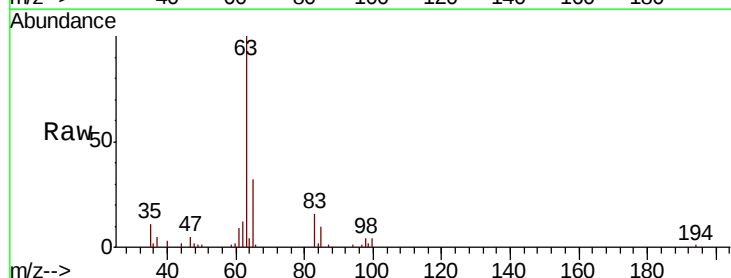
Tgt Ion: 63 Resp: 135056

Ion Ratio Lower Upper

63 100

98 6.4 2.3 6.9

100 4.3 1.7 5.1



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

4.98

50000

40000

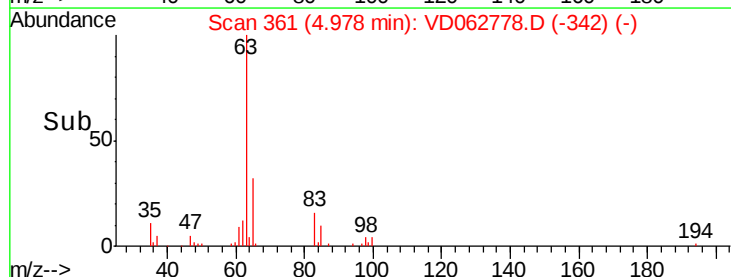
30000

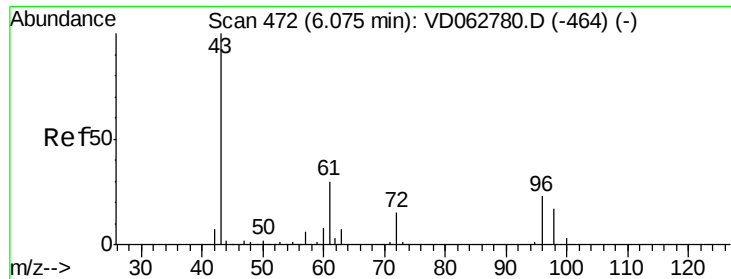
20000

10000

0

Time--> 4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 49.642 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

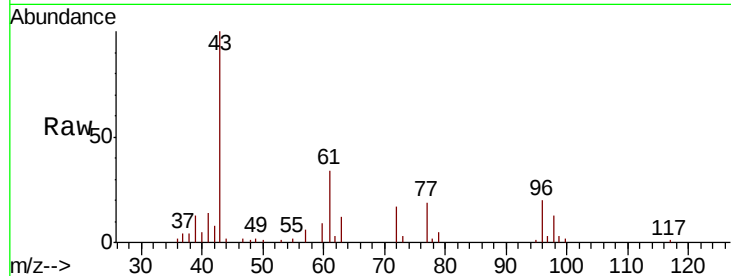
VSTDIC010

Tot Ion: 43 Resp: 88385

Ion Ratio Lower Upper

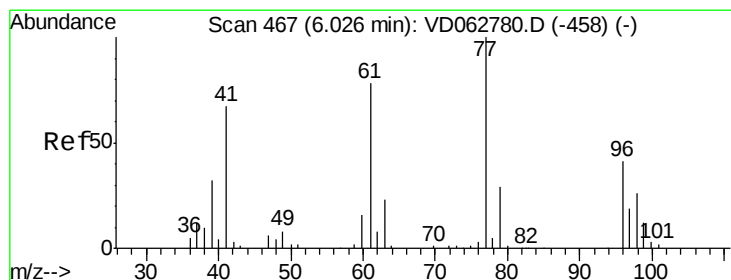
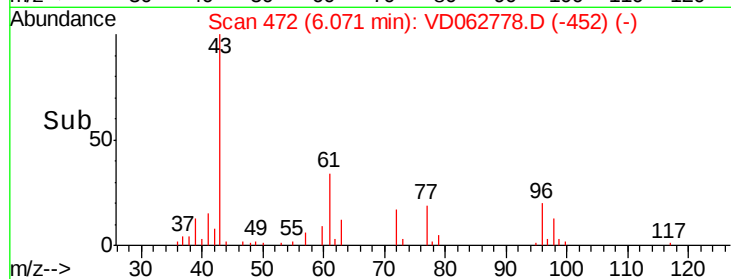
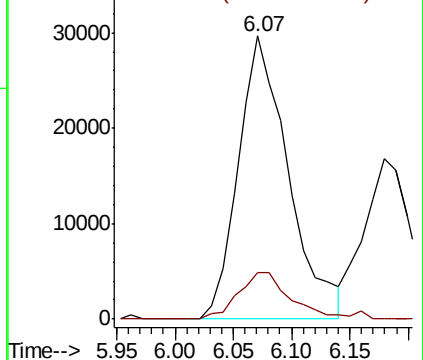
43 100

72 16.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.990 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062778.D

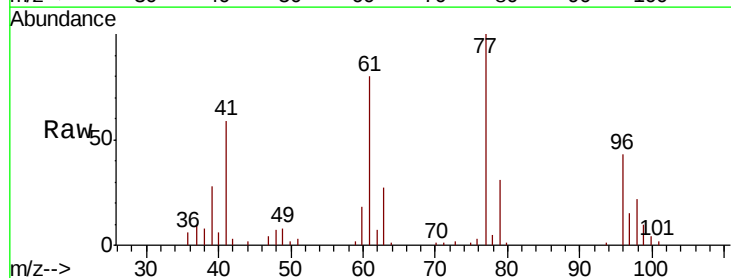
Acq: 19 Jun 2019 14:45

Tgt Ion: 77 Resp: 143996

Ion Ratio Lower Upper

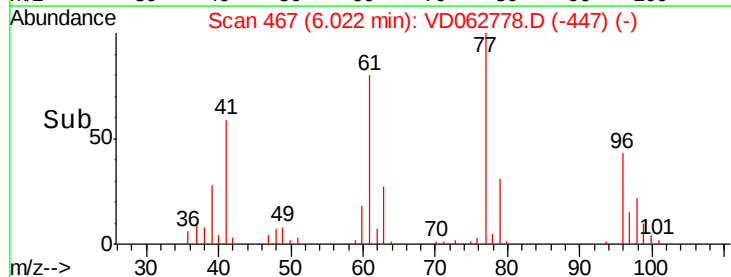
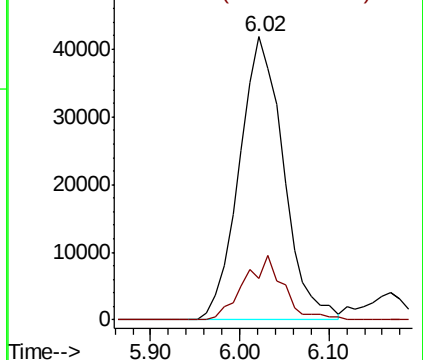
77 100

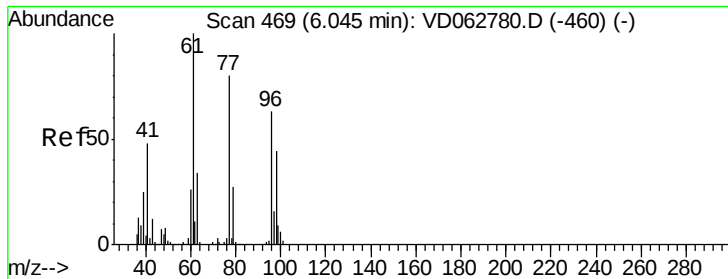
97 14.8 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



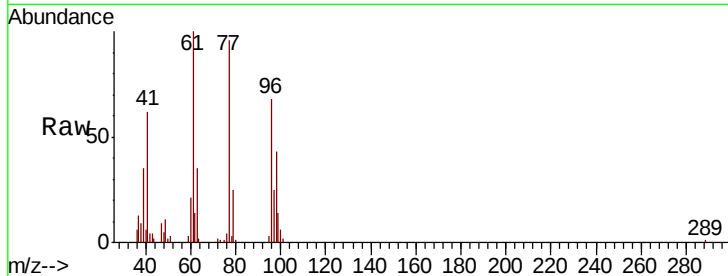


#27

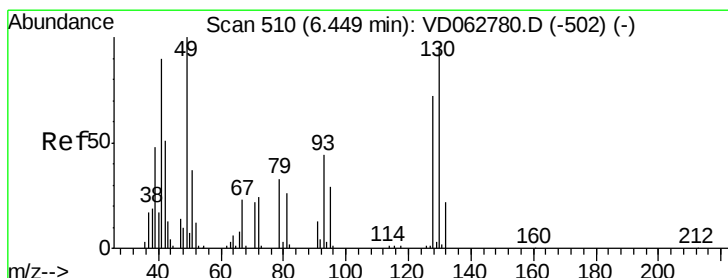
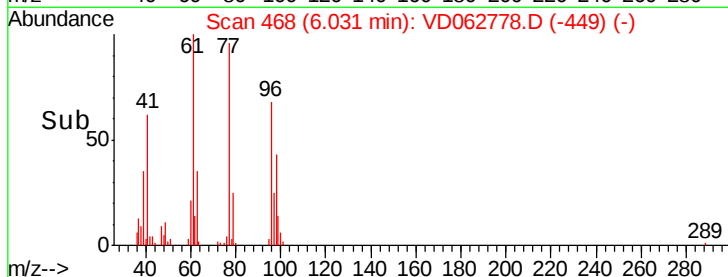
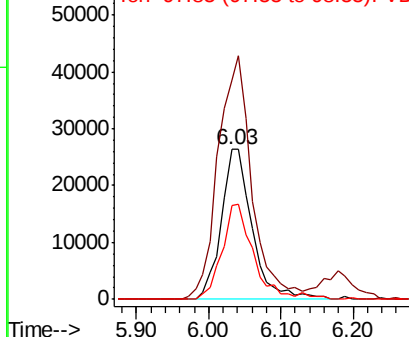
cis-1,2-Dichloroethene
Concen: 9.993 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 78212
Ion Ratio Lower Upper
96 100
61 146.2 0.0 316.0
98 62.2 0.0 138.4



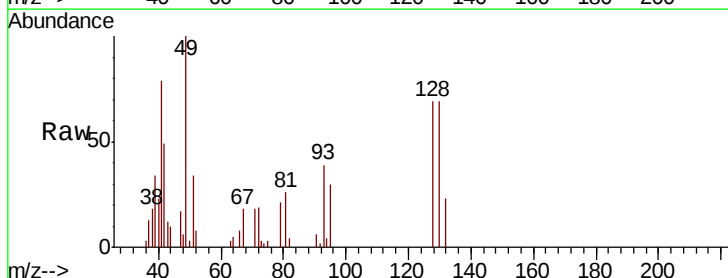
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



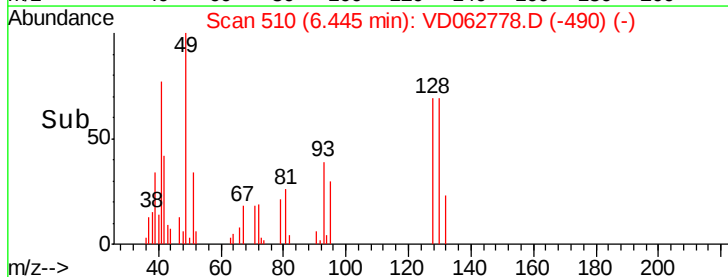
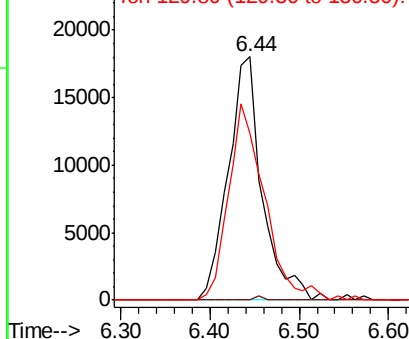
#28

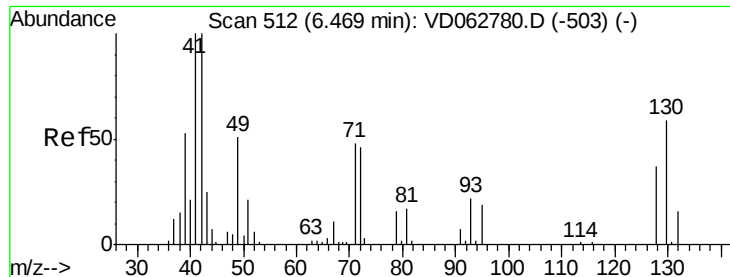
Bromochloromethane
Concen: 10.059 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 49 Resp: 48177
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 68.6 76.6 114.8#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 48.227 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

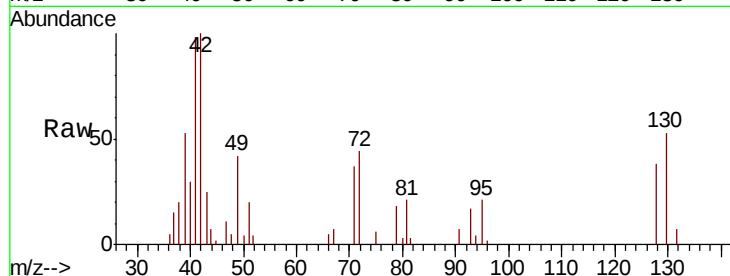
Tot Ion: 42 Resp: 40628

Ion Ratio Lower Upper

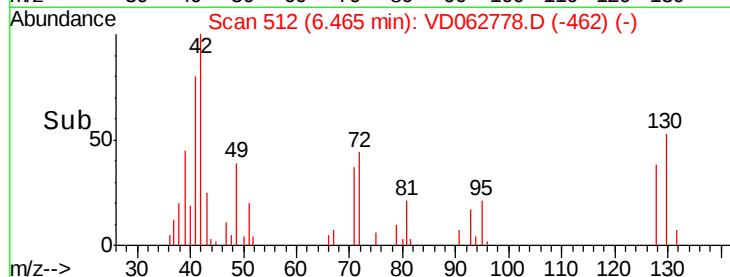
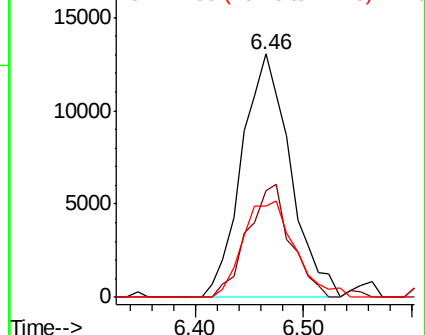
42 100

72 41.1 35.0 52.6

71 42.0 33.3 49.9



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: 9.868 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062778.D

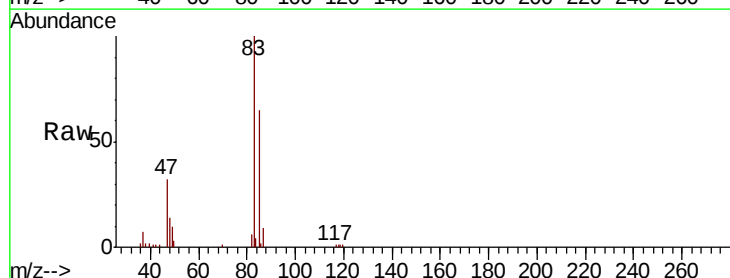
Acq: 19 Jun 2019 14:45

Tgt Ion: 83 Resp: 163200

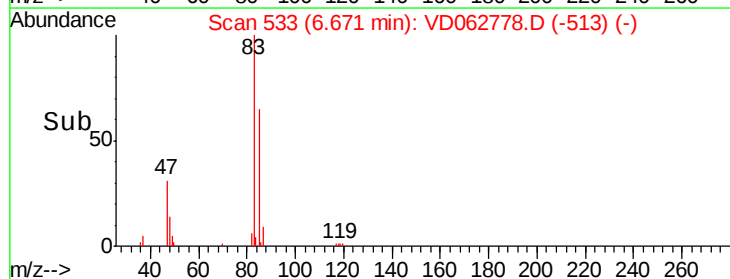
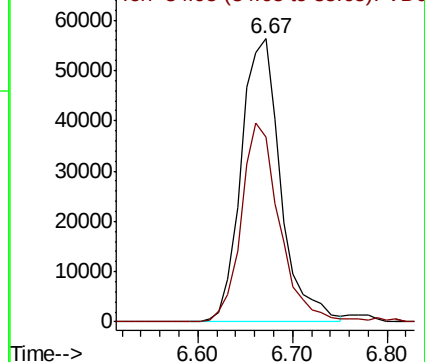
Ion Ratio Lower Upper

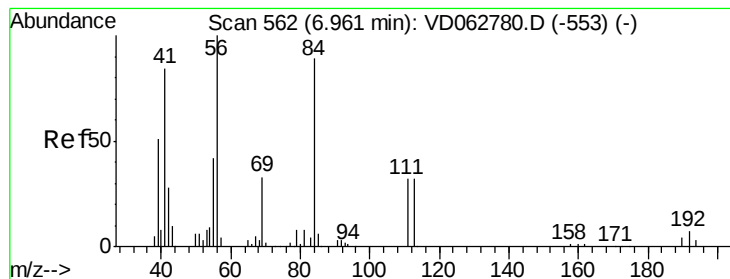
83 100

85 65.4 49.8 74.6



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





#31

Cyclohexane

Concen: 9.600 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

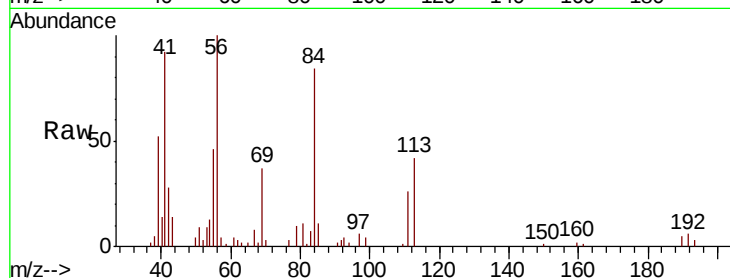
Tot Ion: 56 Resp: 85826

Ion Ratio Lower Upper

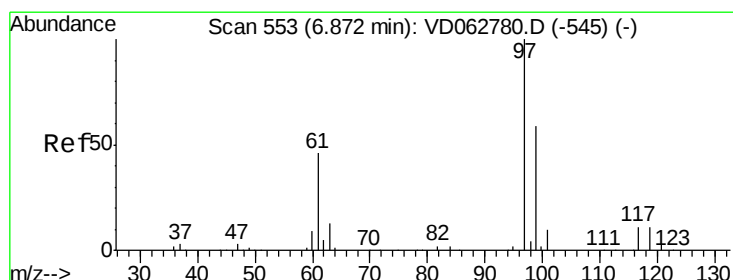
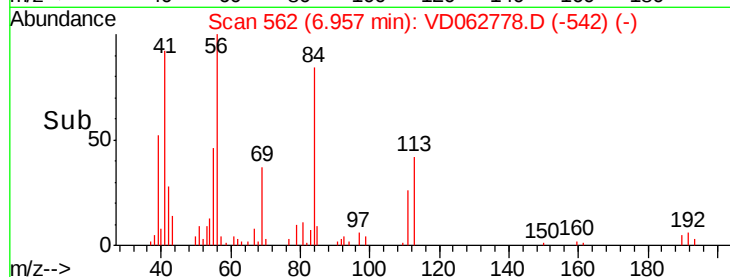
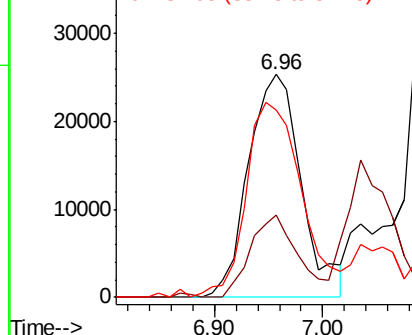
56 100

69 36.7 26.6 39.8

84 84.0 75.5 113.3



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



#32

1,1,1-Trichloroethane

Concen: 9.897 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

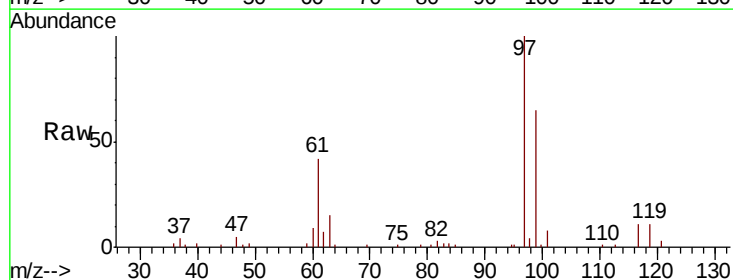
Tgt Ion: 97 Resp: 170481

Ion Ratio Lower Upper

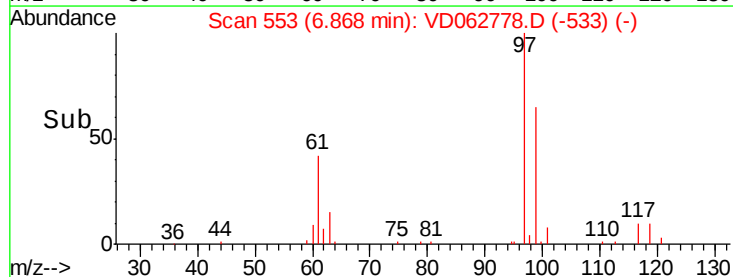
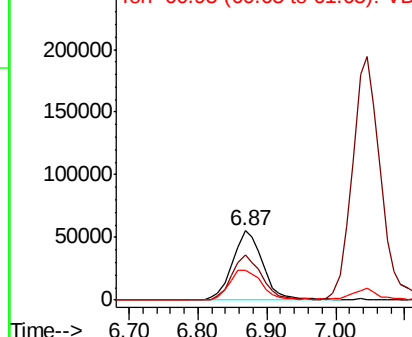
97 100

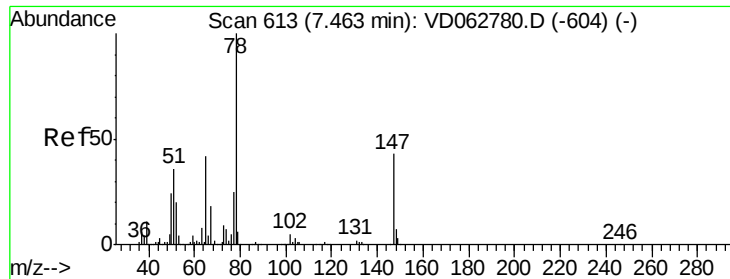
99 64.6 47.4 71.2

61 42.5 37.2 55.8



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

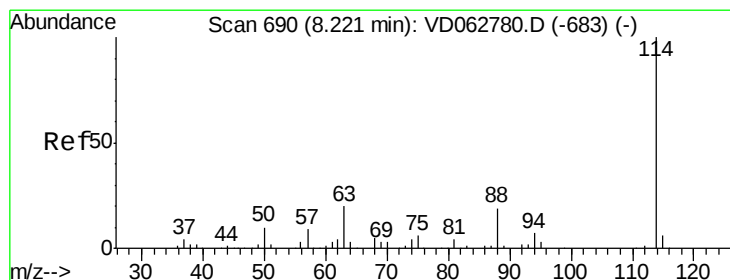
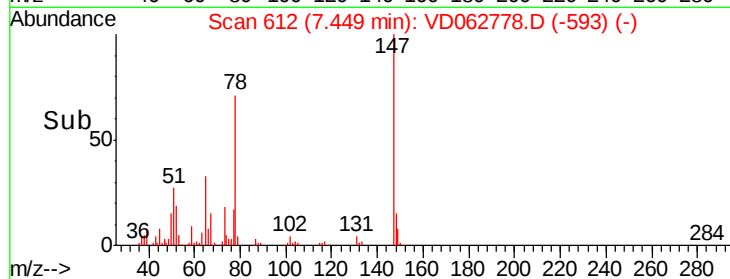
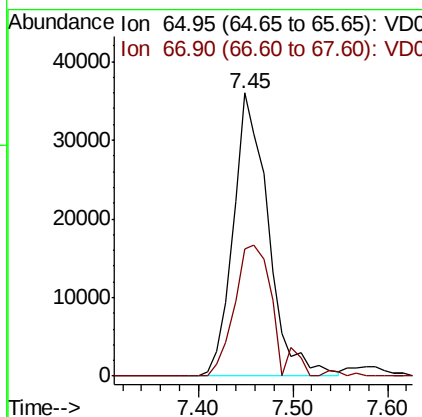
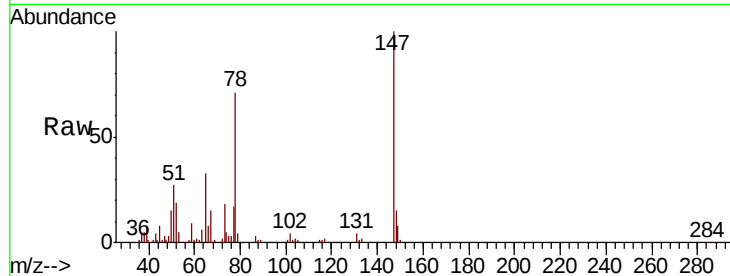




#33
 1,2-Dichloroethane-d4
 Concen: 9.663 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

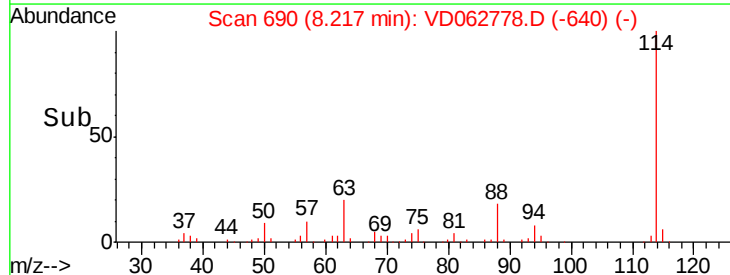
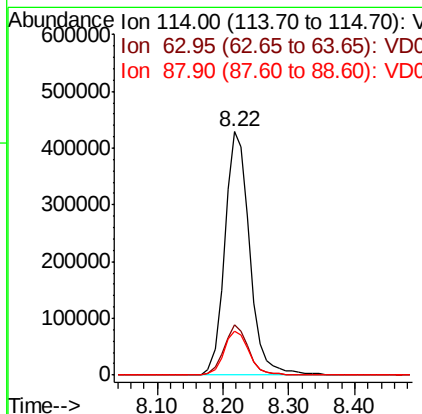
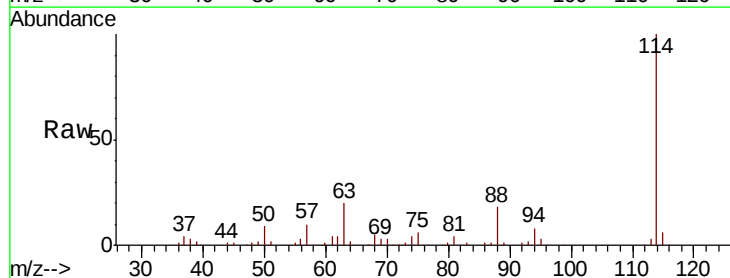
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

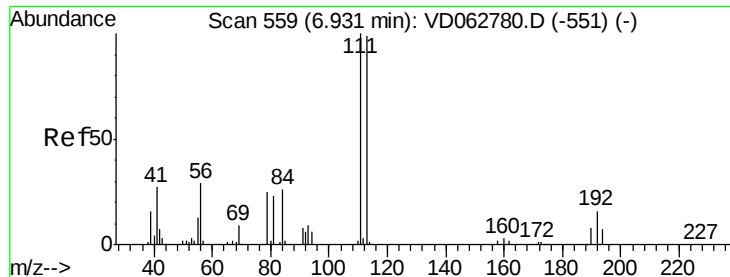
Tot Ion: 65 Resp: 91993
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 114 Resp: 1129202
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 18.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 10.212 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

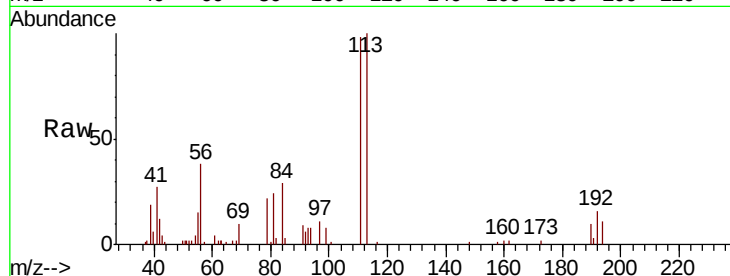
Tot Ion:113 Resp: 97228

Ion Ratio Lower Upper

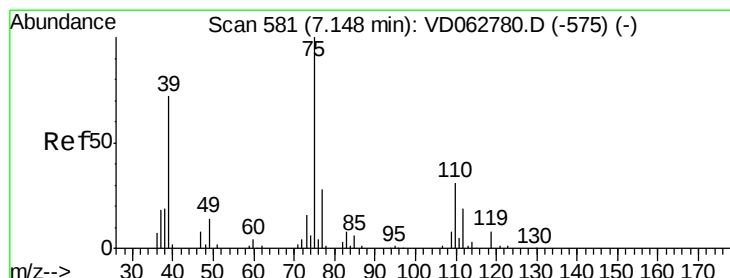
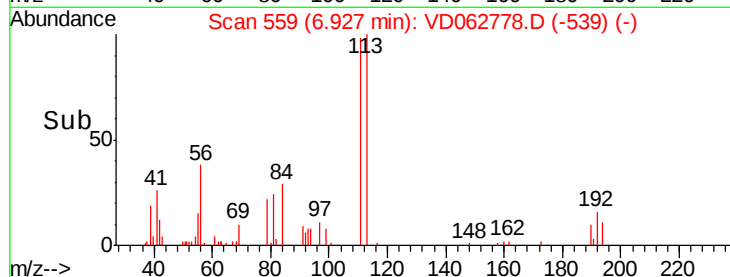
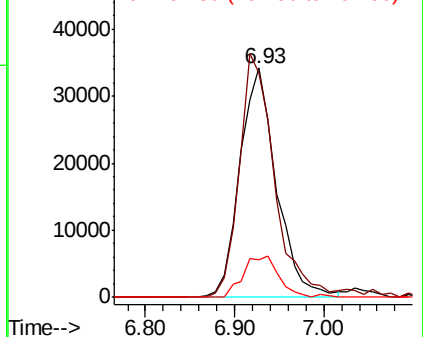
113 100

111 97.9 81.2 121.8

192 16.4 12.9 19.3



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: 10.761 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

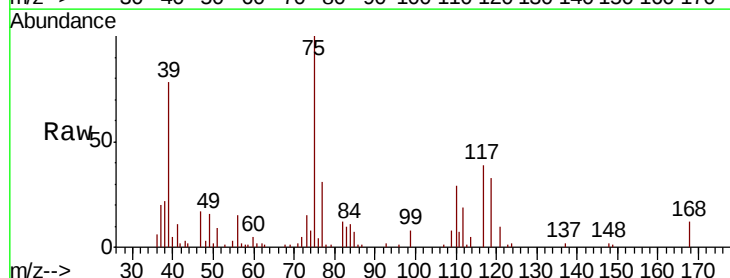
Tgt Ion: 75 Resp: 115030

Ion Ratio Lower Upper

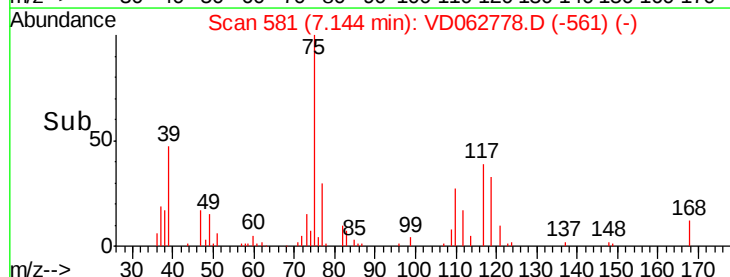
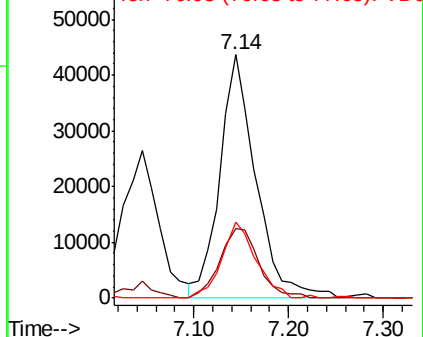
75 100

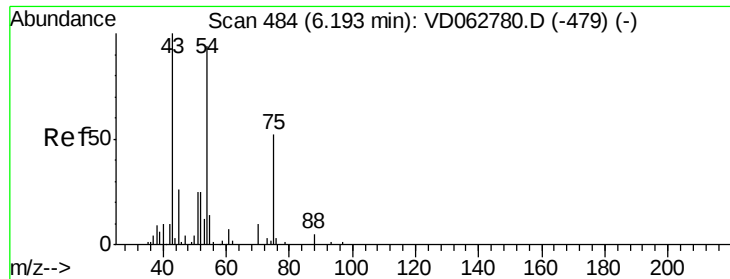
110 28.6 15.0 45.1

77 31.4 22.2 33.2



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

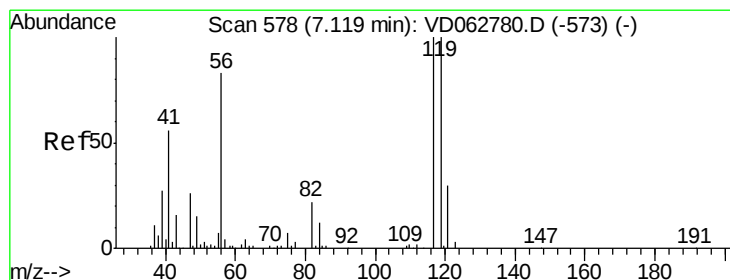
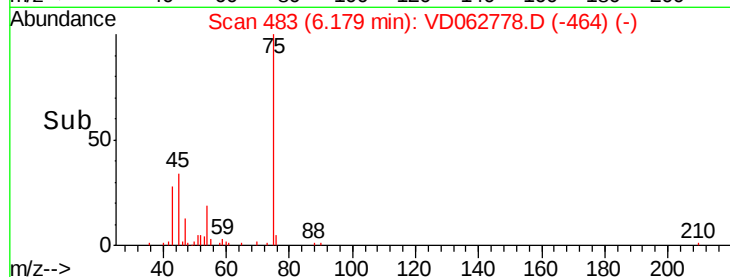
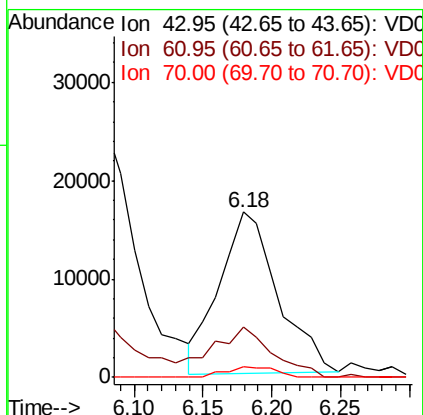
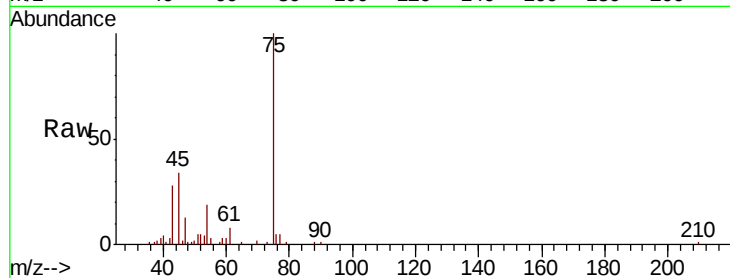




#37
Ethyl Acetate
Concen: 9.911 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

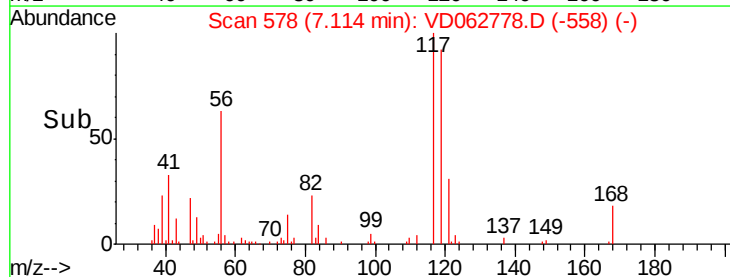
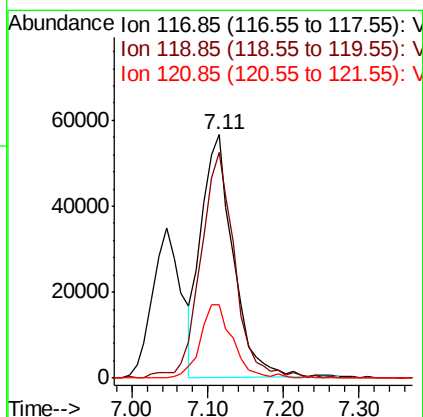
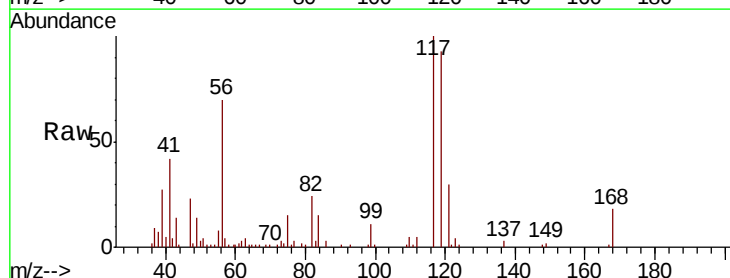
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

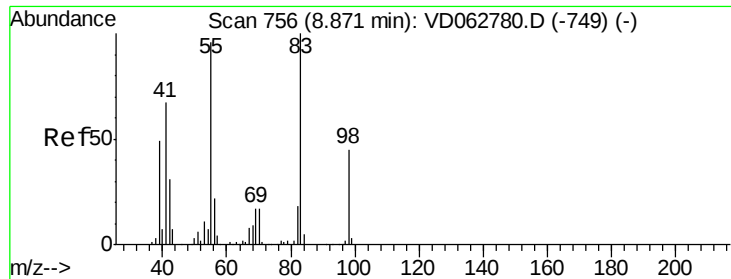
Tot Ion: 43 Resp: 48518
Ion Ratio Lower Upper
43 100
61 30.6 11.6 17.4#
70 6.2 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 10.073 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 117 Resp: 164909
Ion Ratio Lower Upper
117 100
119 92.9 75.4 113.2
121 30.2 22.3 33.5

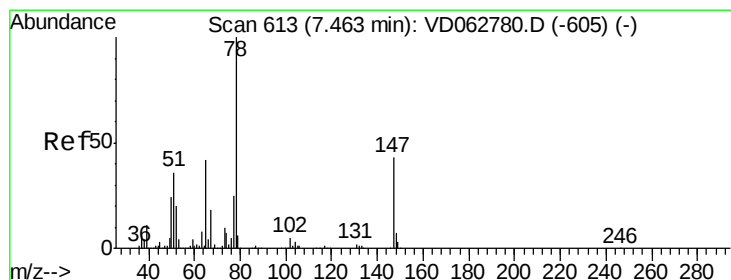
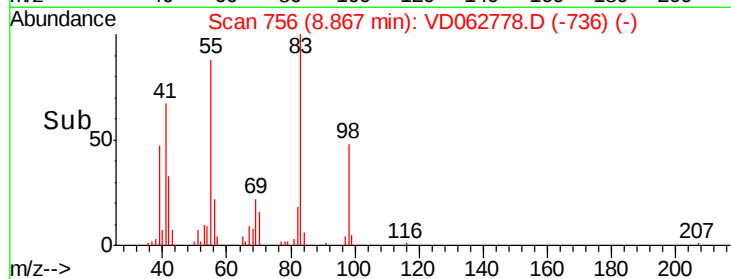
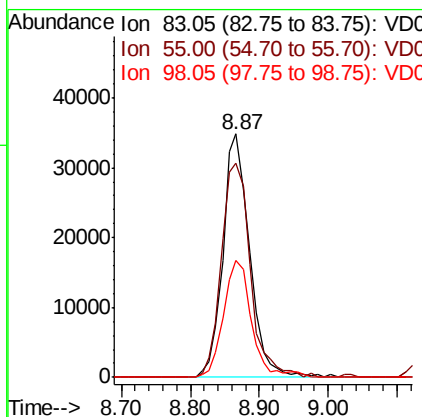
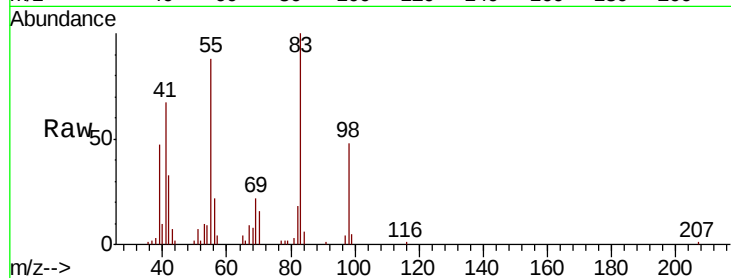




#39
Methvlcvclohexane
Concen: 9.953 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

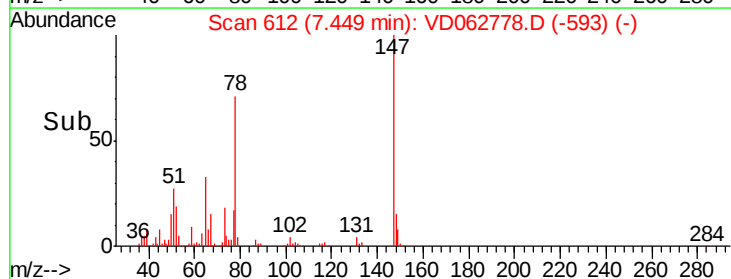
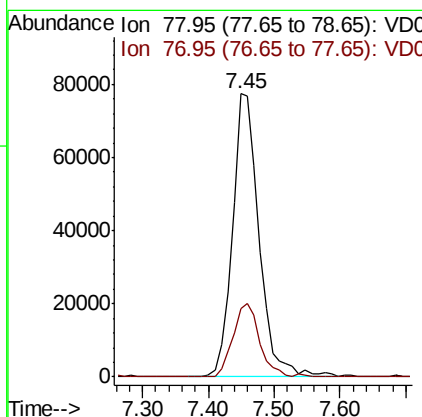
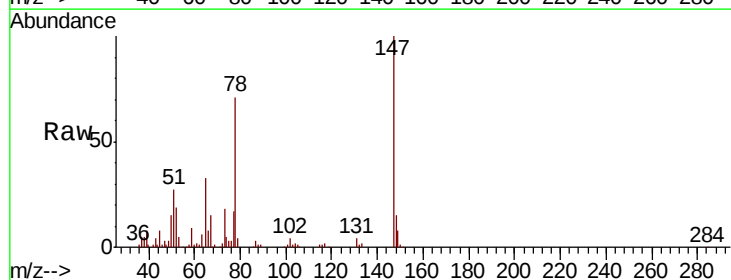
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 93647
Ion Ratio Lower Upper
83 100
55 88.2 76.6 115.0
98 48.0 35.7 53.5



#40
Benzene
Concen: 10.230 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 78 Resp: 219501
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.2





#41

Methacrylonitrile

Concen: 10.434 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 58820

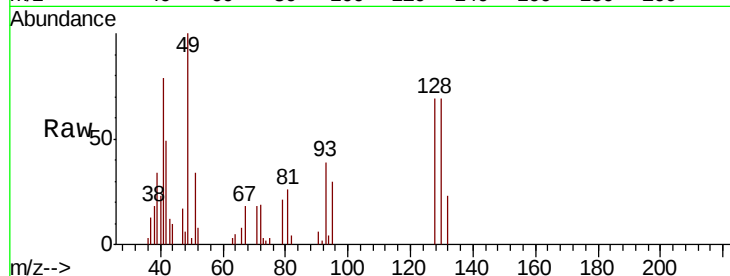
Ion Ratio Lower Upper

41 100

39 42.4 43.2 64.8#

67 22.9 19.9 29.9

52 10.4 10.2 15.4

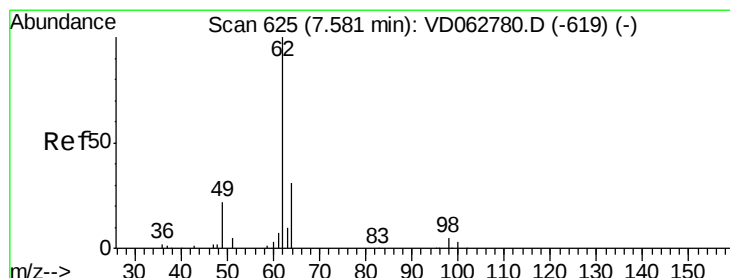
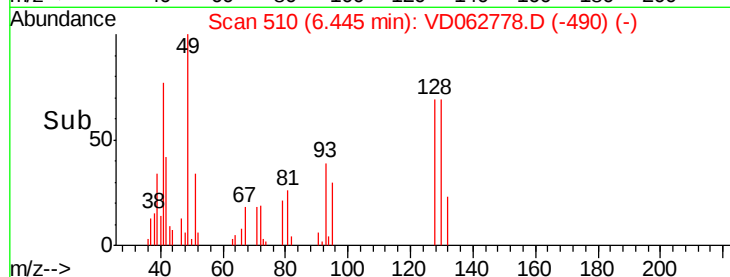
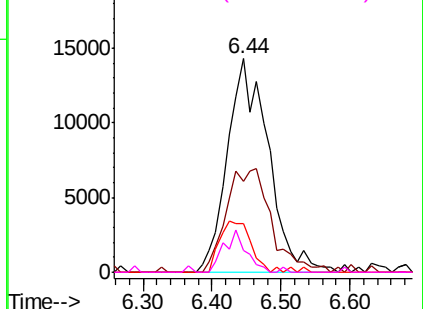


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 10.212 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD062778.D

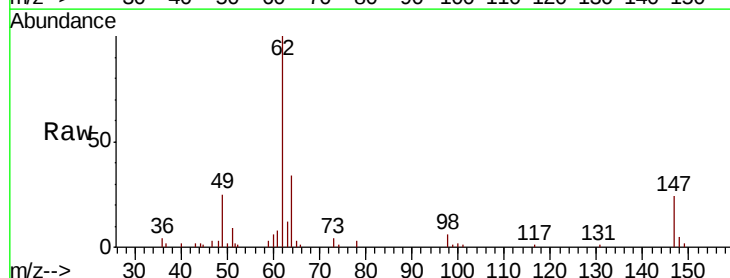
Acq: 19 Jun 2019 14:45

Tgt Ion: 62 Resp: 119539

Ion Ratio Lower Upper

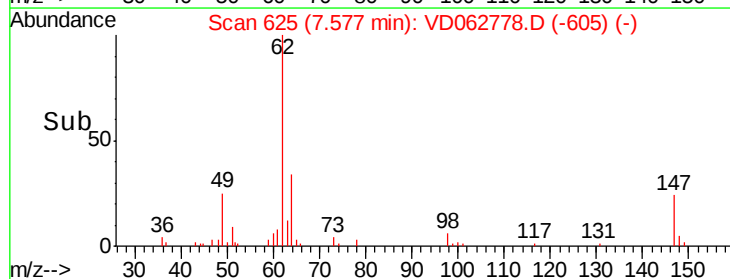
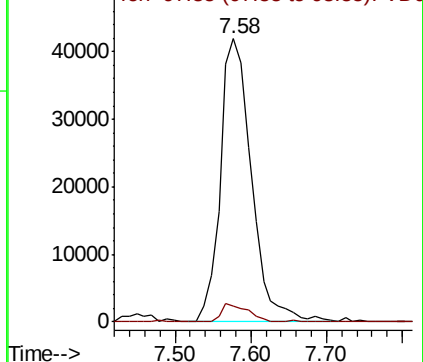
62 100

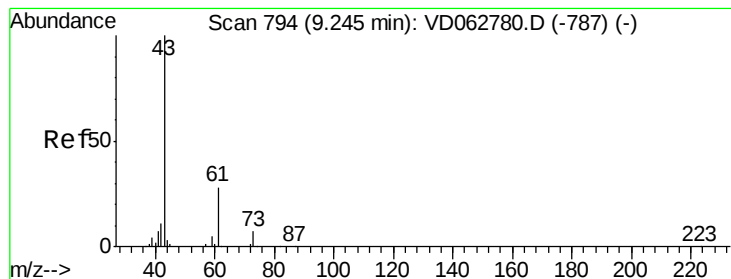
98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.624 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

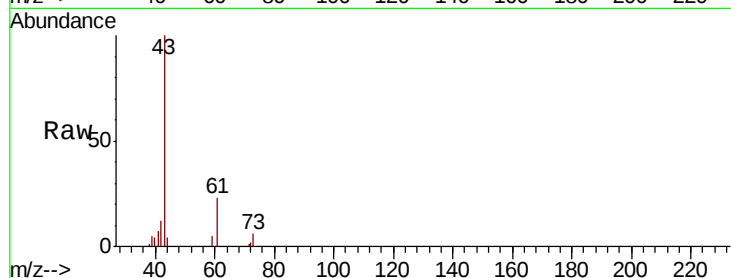
Tot Ion: 43 Resp: 53933

Ion Ratio Lower Upper

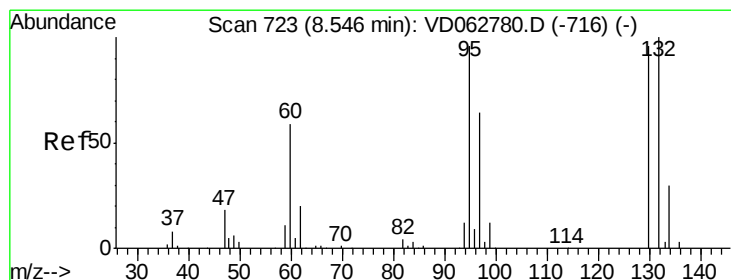
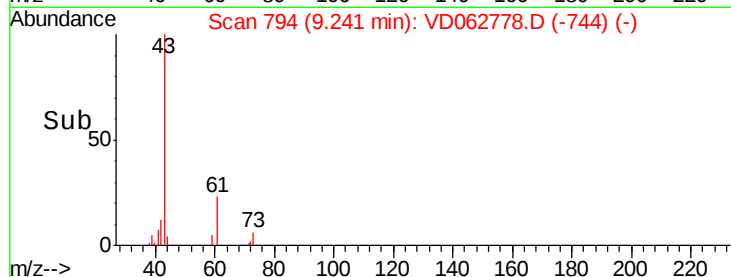
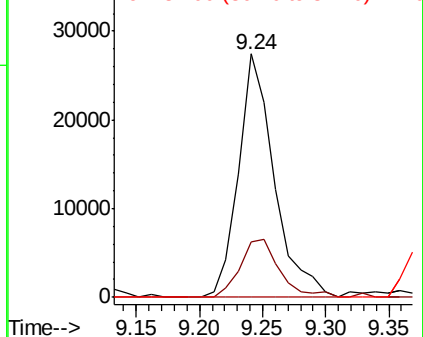
43 100

61 22.7 22.4 33.6

87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 9.778 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062778.D

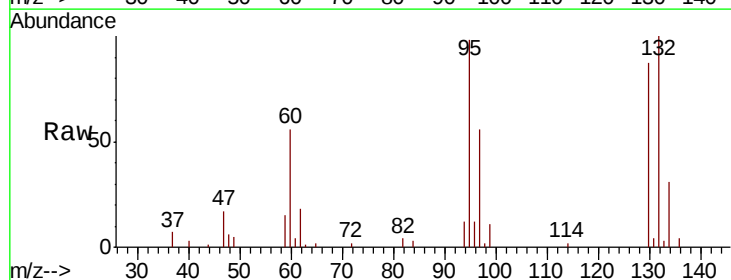
Acq: 19 Jun 2019 14:45

Tgt Ion:130 Resp: 82252

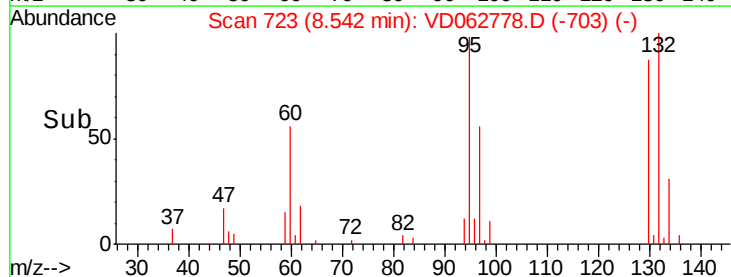
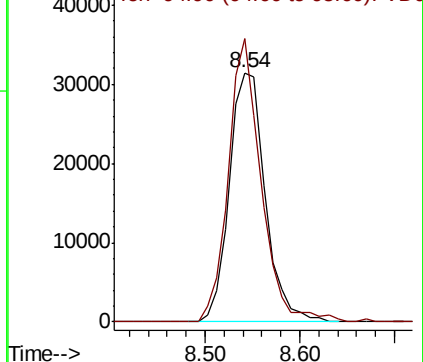
Ion Ratio Lower Upper

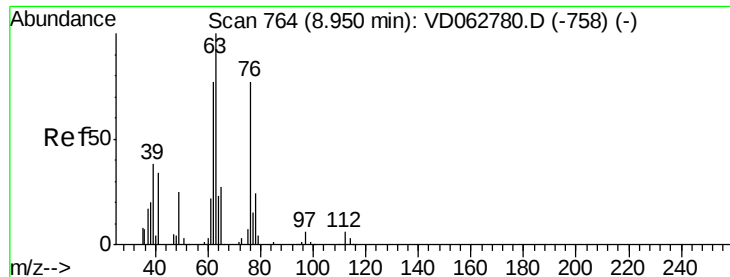
130 100

95 113.7 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.318 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

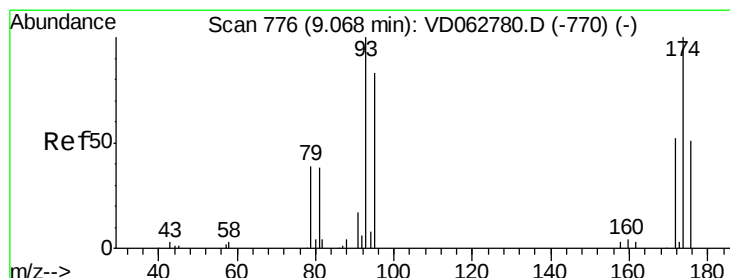
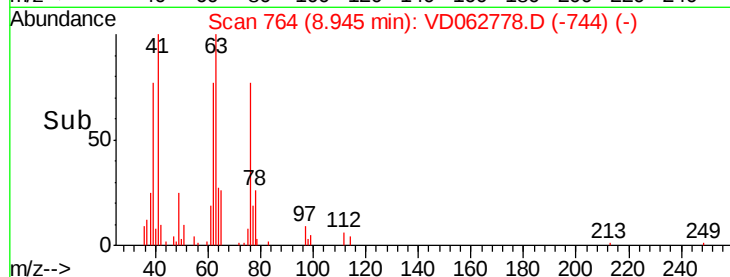
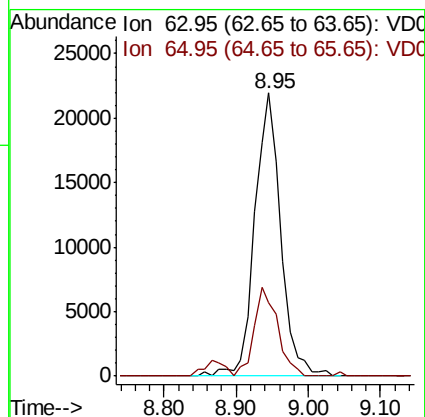
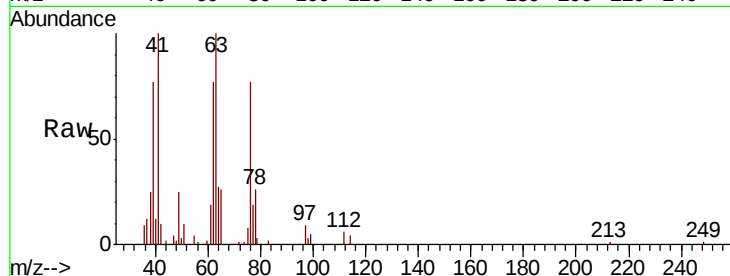
VSTDIC010

Tot Ion: 63 Resp: 55053

Ion Ratio Lower Upper

63 100

65 25.9 24.2 36.2



#46

Dibromomethane

Concen: 10.306 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

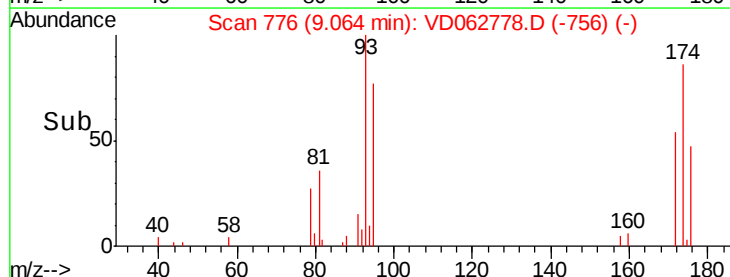
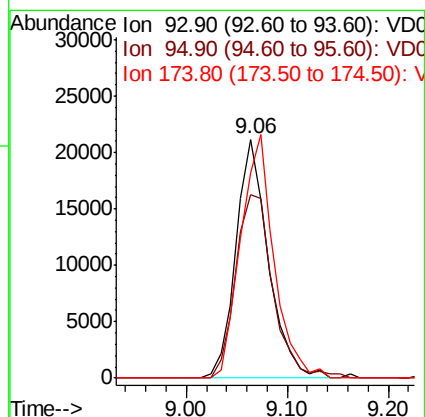
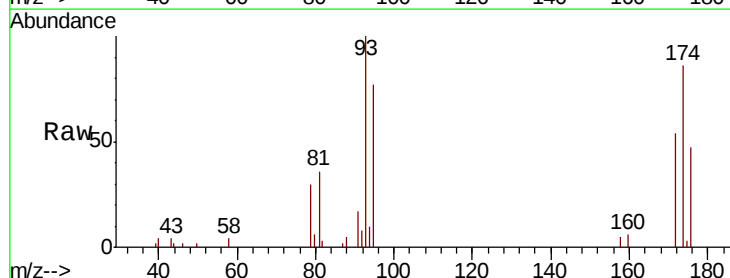
Tgt Ion: 93 Resp: 47233

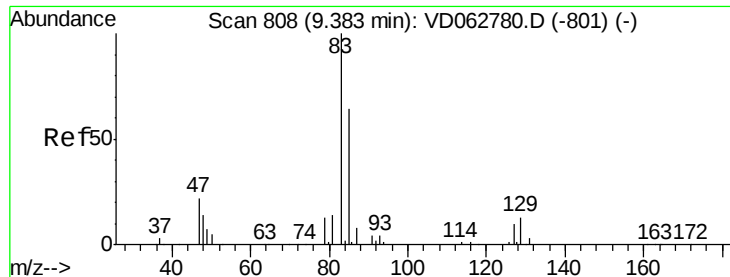
Ion Ratio Lower Upper

93 100

95 76.6 66.6 100.0

174 86.0 79.7 119.5





#47

Bromodichloromethane

Concen: 10.391 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

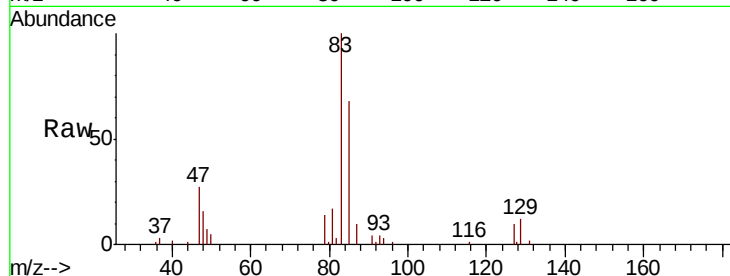
Tot Ion: 83 Resp: 123688

Ion Ratio Lower Upper

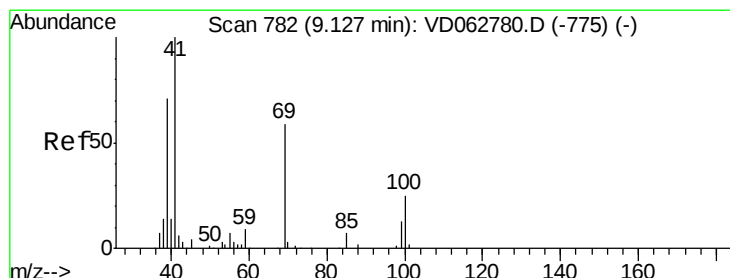
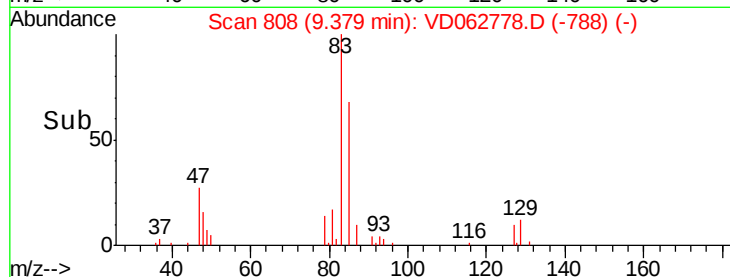
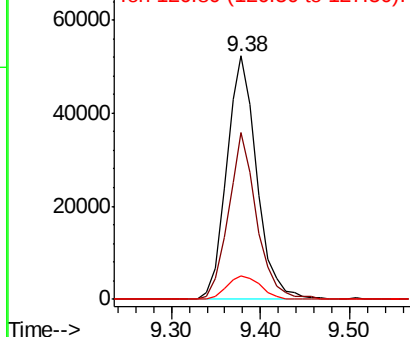
83 100

85 68.4 51.6 77.4

127 9.8 7.8 11.6



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: 10.024 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

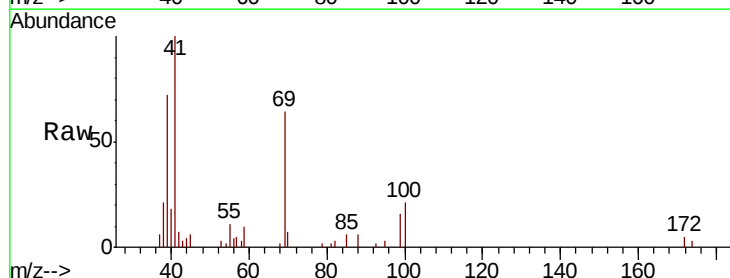
Tgt Ion: 41 Resp: 39922

Ion Ratio Lower Upper

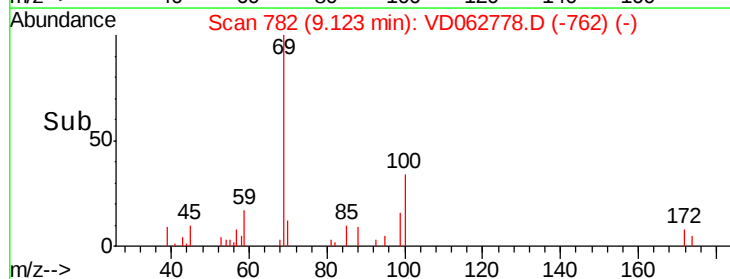
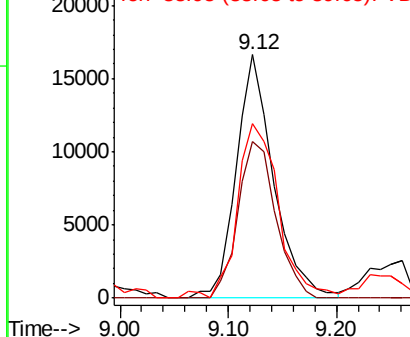
41 100

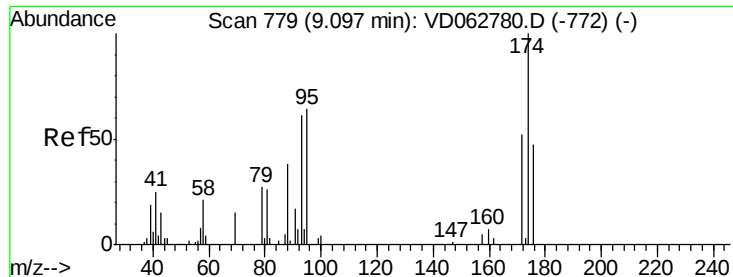
69 64.5 47.2 70.8

39 71.8 57.4 86.2



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: 181.271 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

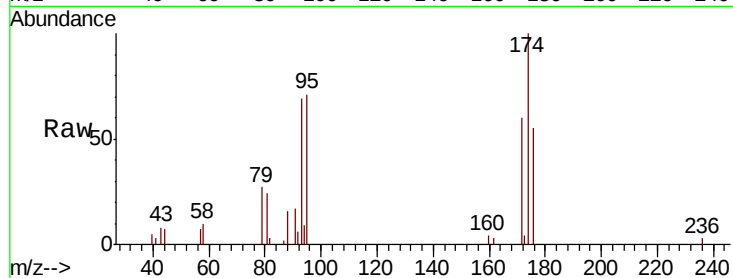
Tot Ion: 88 Resp: 6006

Ion Ratio Lower Upper

88 100

43 48.6 32.1 48.1#

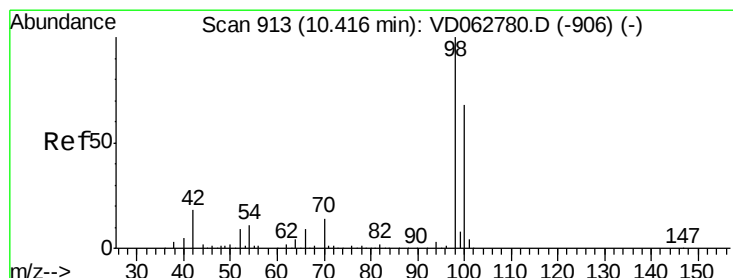
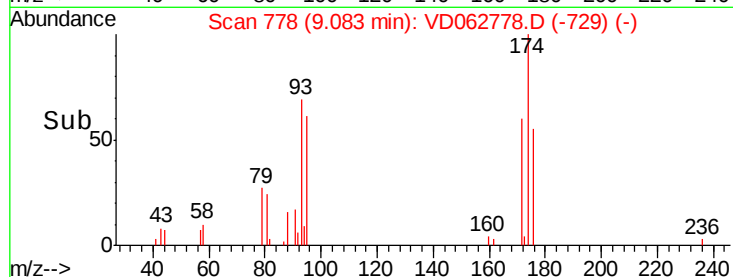
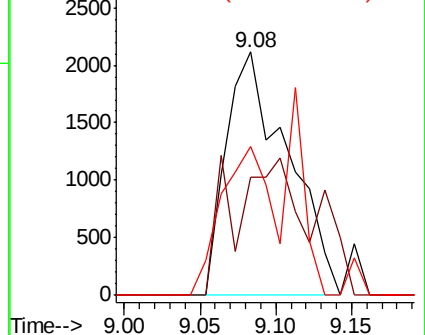
58 61.1 44.1 66.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 10.487 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062778.D

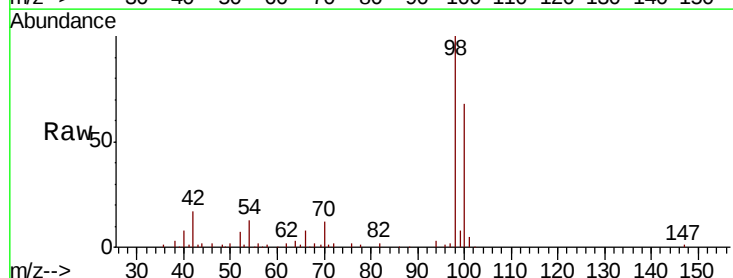
Acq: 19 Jun 2019 14:45

Tgt Ion: 98 Resp: 217329

Ion Ratio Lower Upper

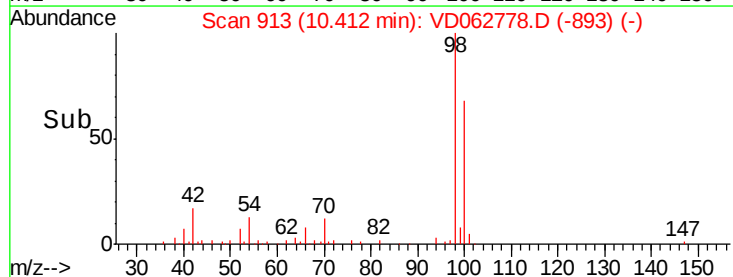
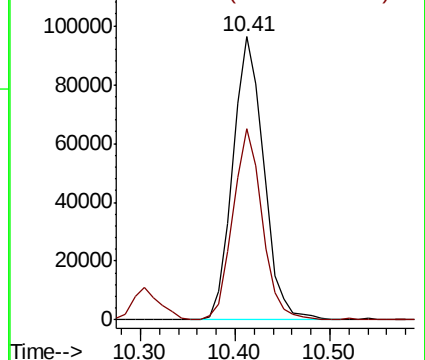
98 100

100 67.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 53.255 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleID :

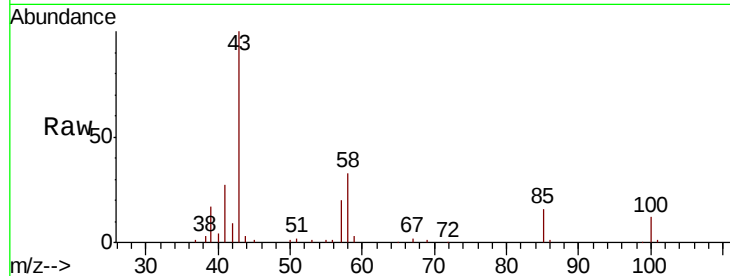
VSTDIC010

Tot Ion: 43 Resp: 211597

Ion Ratio Lower Upper

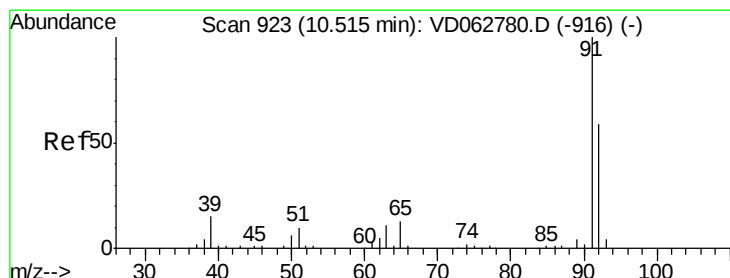
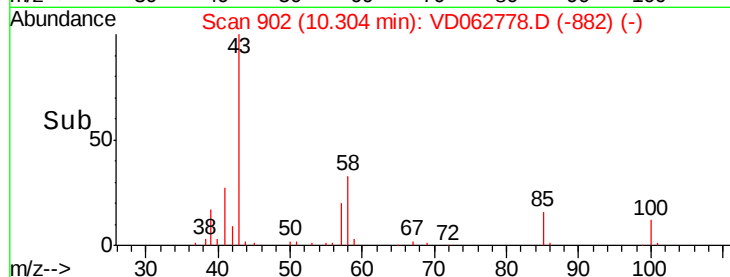
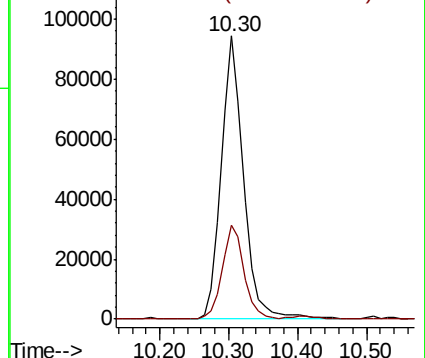
43 100

58 33.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.907 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062778.D

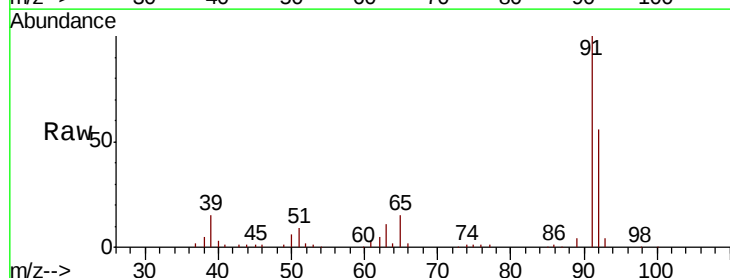
Acq: 19 Jun 2019 14:45

Tgt Ion: 92 Resp: 142890

Ion Ratio Lower Upper

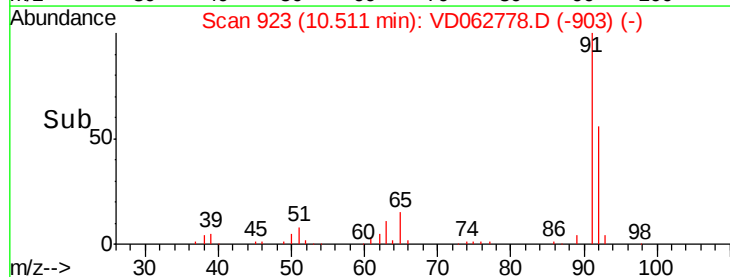
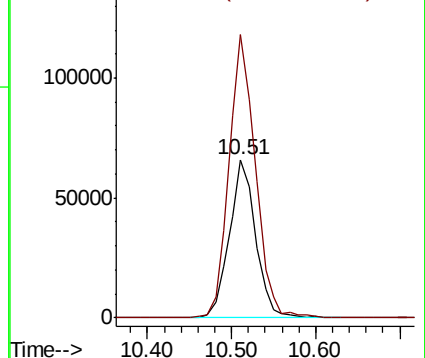
92 100

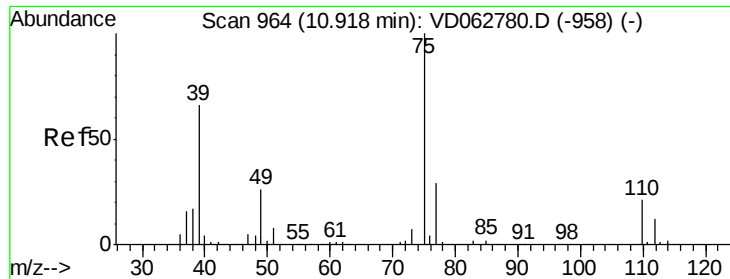
91 179.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

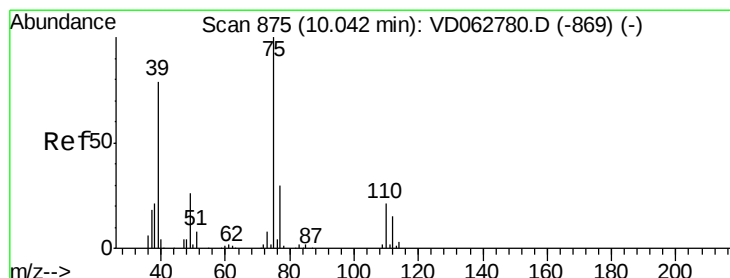
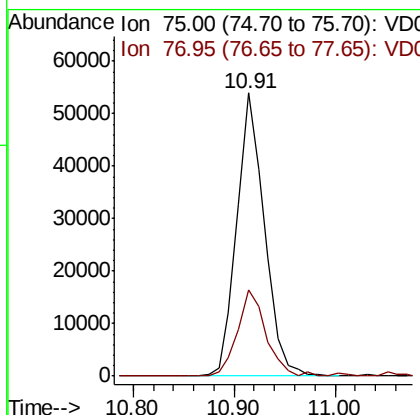
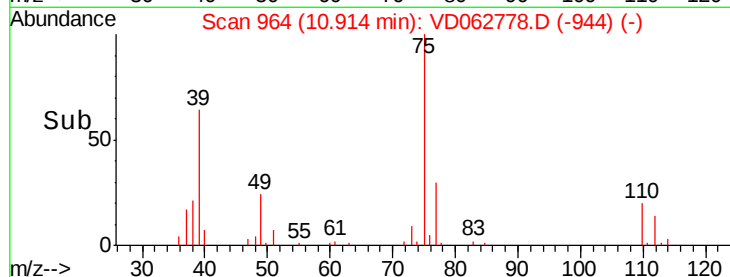
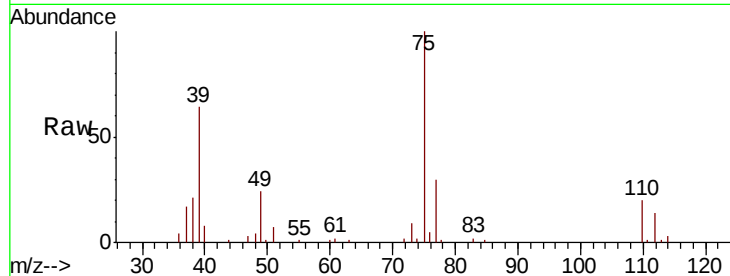




#53
 t-1,3-Dichloropropene
 Concen: 10.535 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

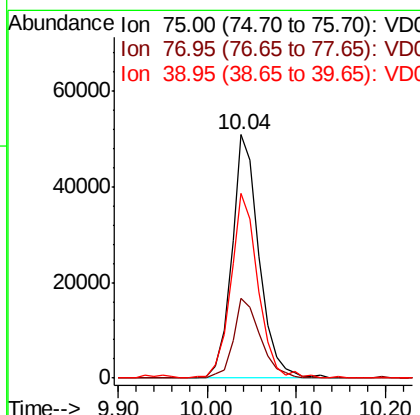
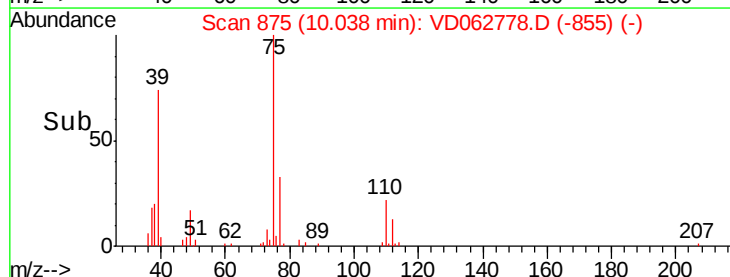
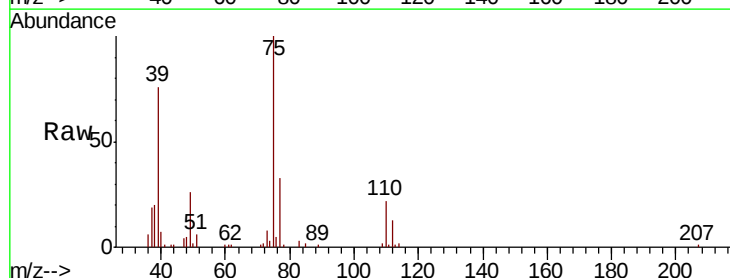
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

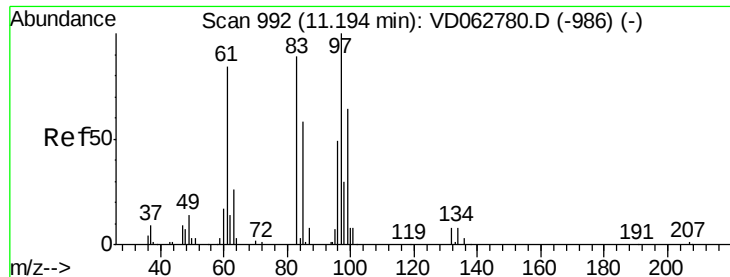
Tot Ion: 75 Resp: 102637
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 10.276 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 75 Resp: 108818
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.2 36.2
 39 76.0 63.5 95.3

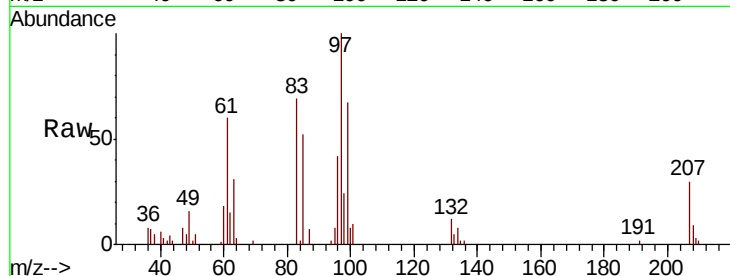




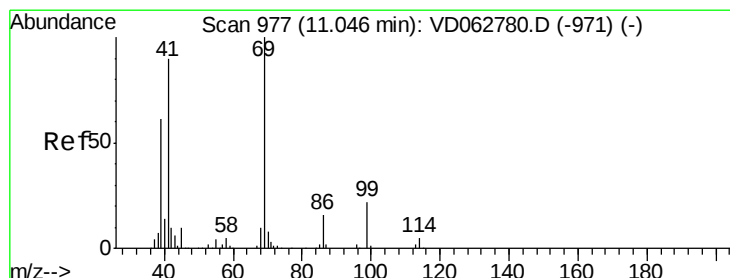
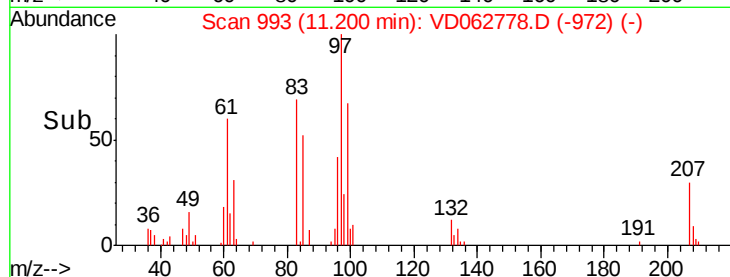
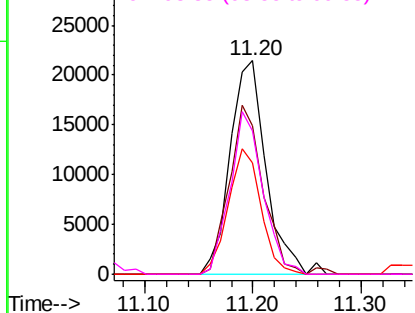
#55
 1,1,2-Trichloroethane
 Concen: 10.051 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 97 Resp: 49805
 Ion Ratio Lower Upper
 97 100
 83 69.4 71.0 106.4#
 85 52.2 46.6 69.8
 99 67.0 51.4 77.0

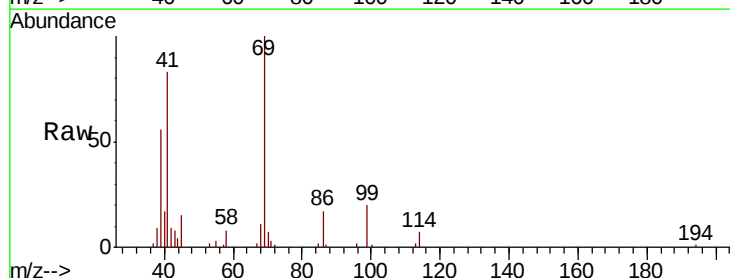


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

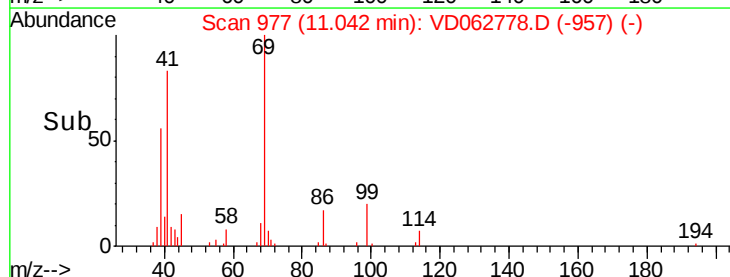
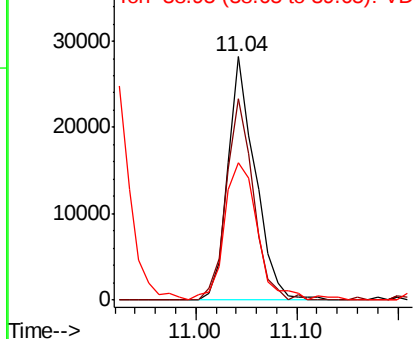


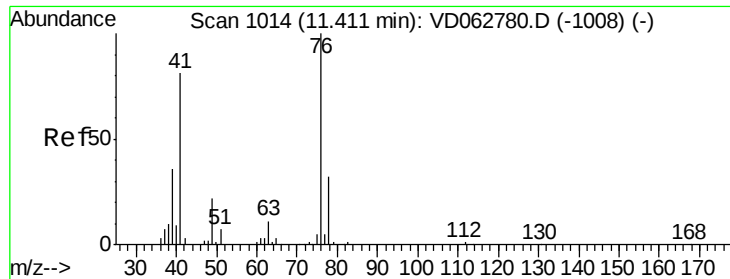
#56
 Ethyl methacrylate
 Concen: 10.041 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 69 Resp: 53177
 Ion Ratio Lower Upper
 69 100
 41 82.5 72.0 108.0
 39 56.3 49.5 74.3



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

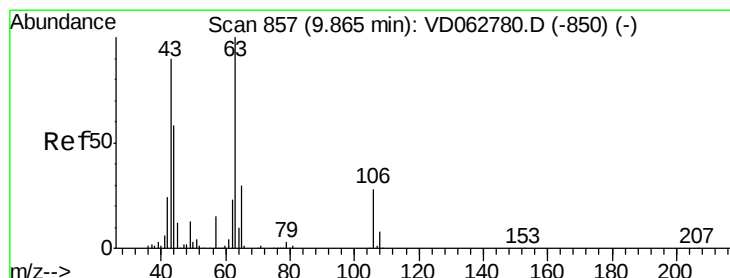
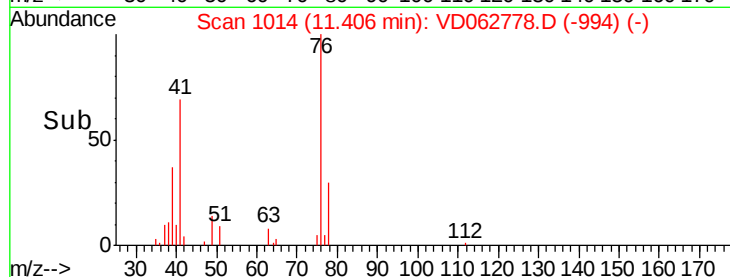
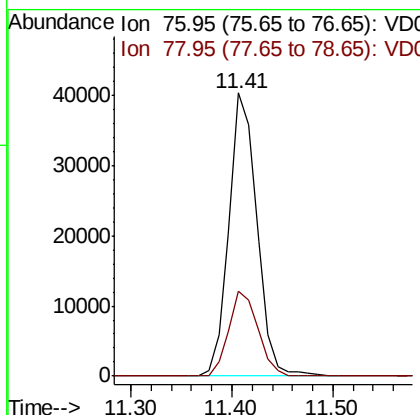
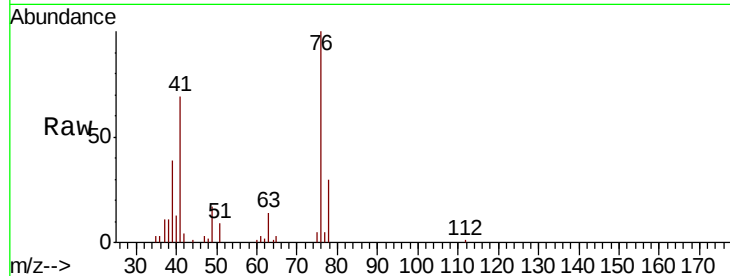




#57
 1,3-Dichloropropane
 Concen: 10.228 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

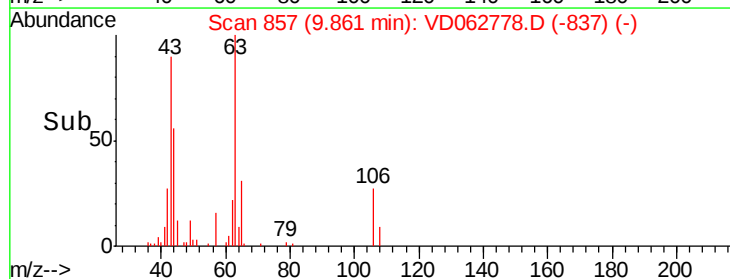
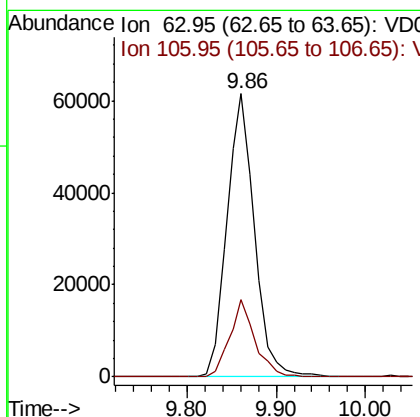
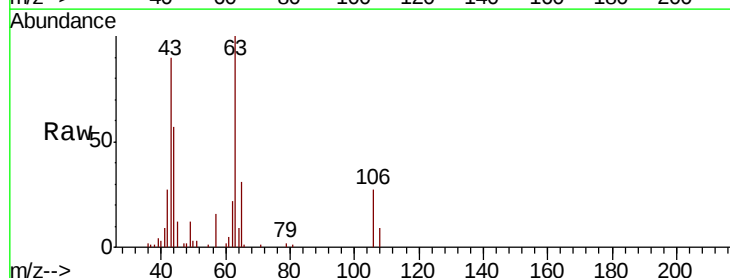
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

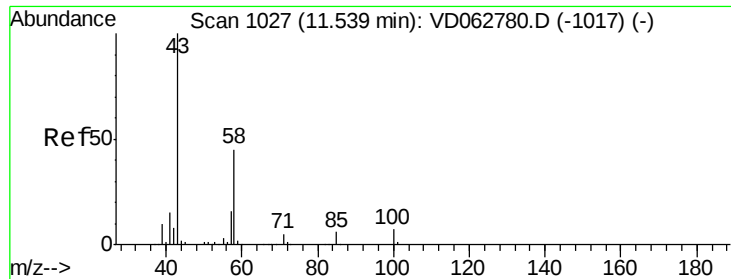
Tot Ion: 76 Resp: 77607
 Ion Ratio Lower Upper
 76 100
 78 29.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.949 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 63 Resp: 133081
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.1 33.1

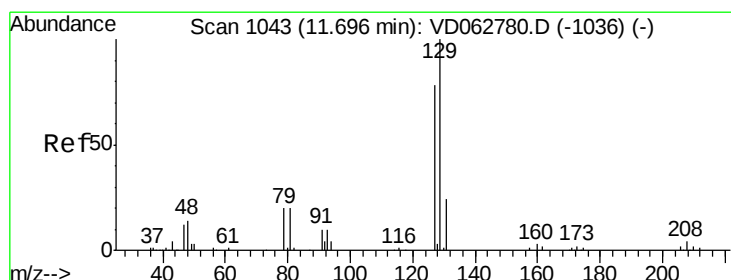
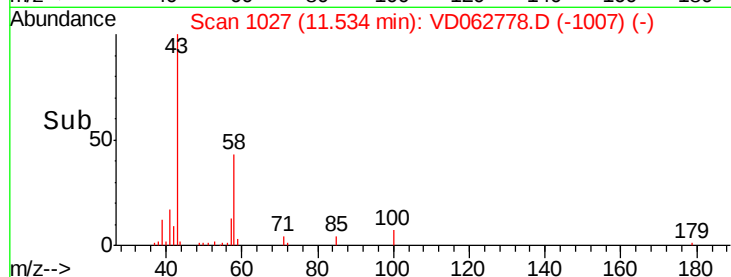
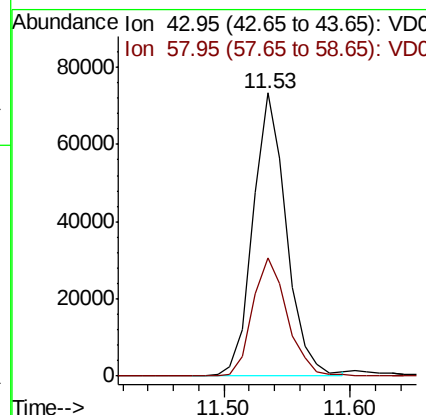
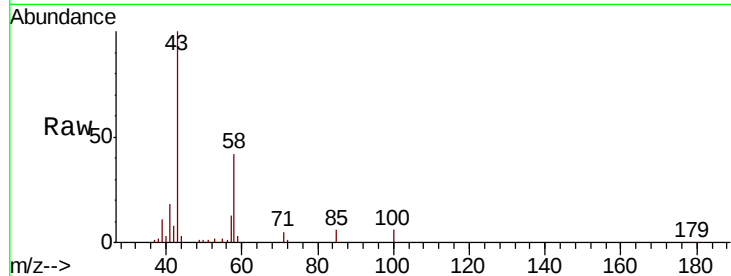




#59
2-Hexanone
Concen: 47.686 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

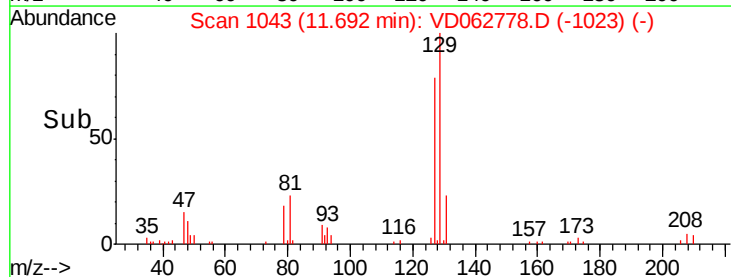
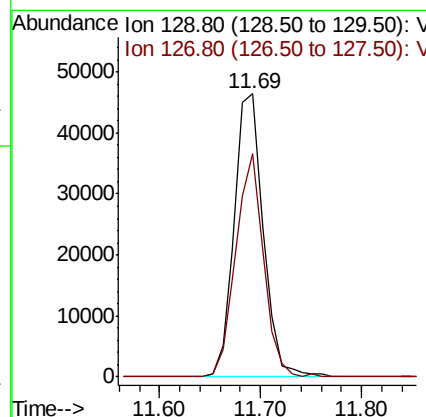
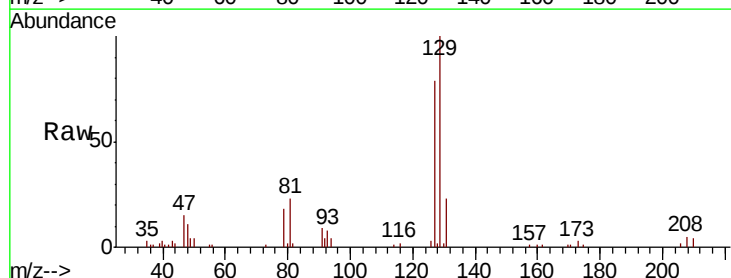
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

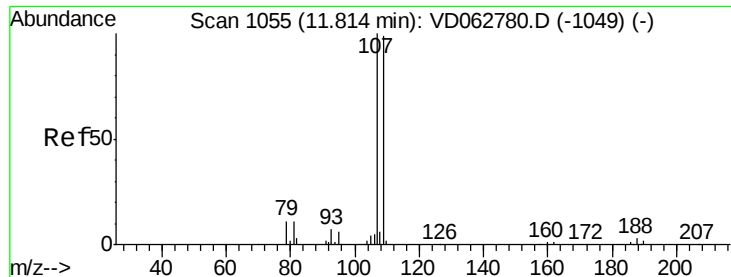
Tot Ion: 43 Resp: 134938
Ion Ratio Lower Upper
43 100
58 42.0 22.4 67.2



#60
Dibromochloromethane
Concen: 10.033 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 129 Resp: 92604
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6

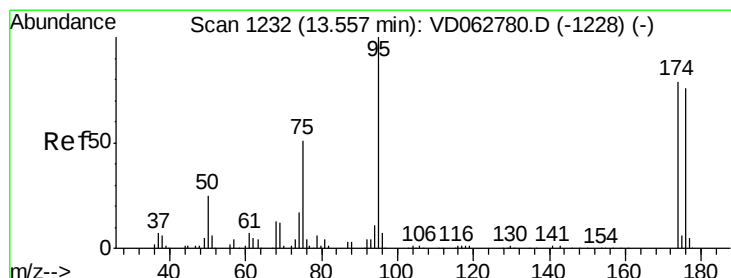
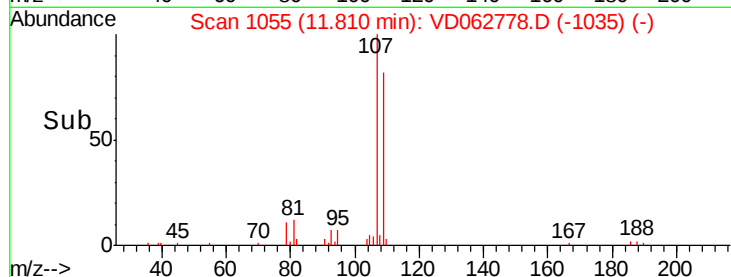
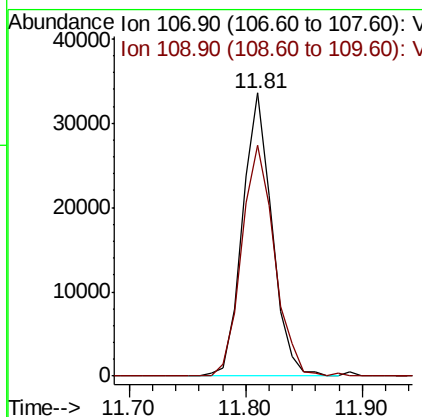
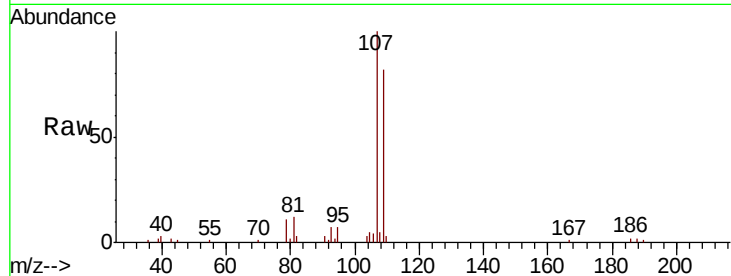




#61
 1,2-Dibromoethane
 Concen: 10.009 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

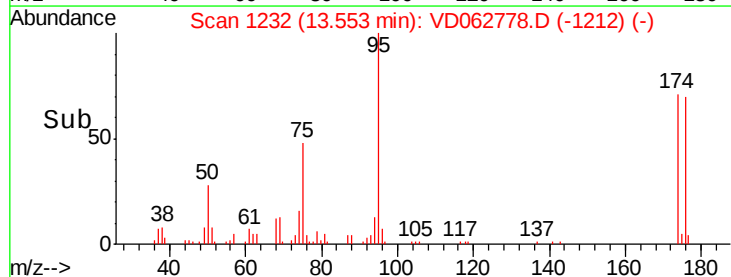
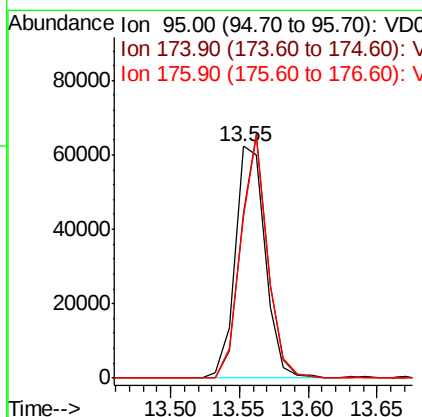
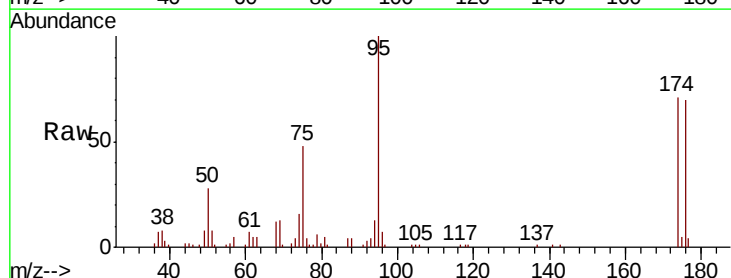
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

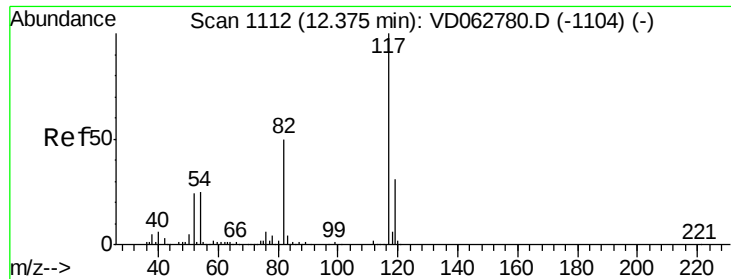
Tot Ion:107 Resp: 58580
 Ion Ratio Lower Upper
 107 100
 109 81.7 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 10.108 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 95 Resp: 95249
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 158.0
 176 69.6 0.0 151.6

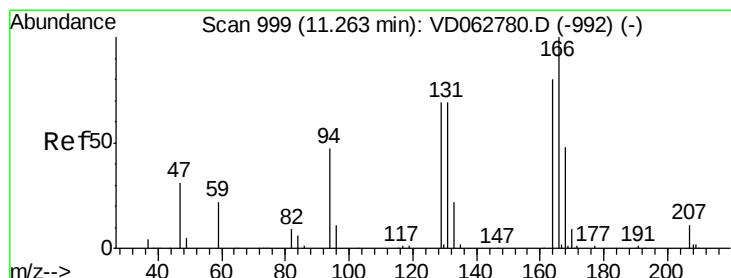
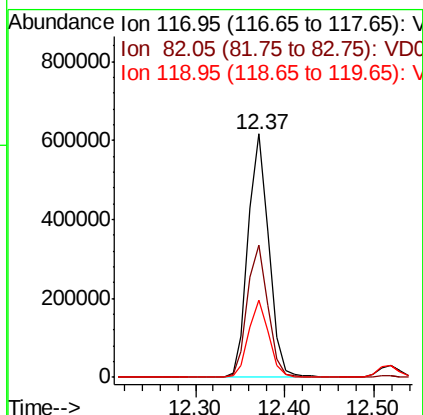
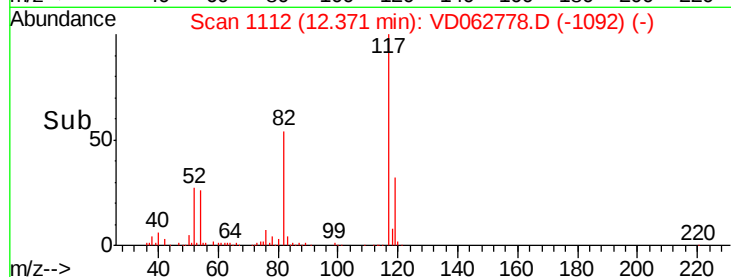
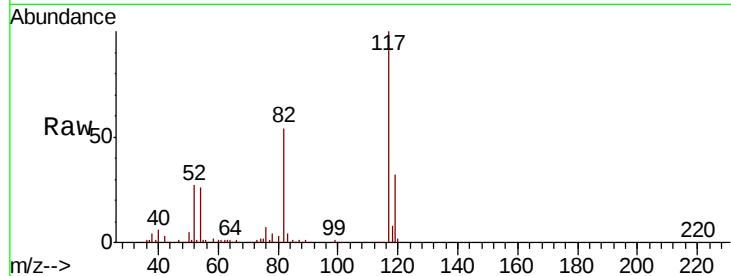




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

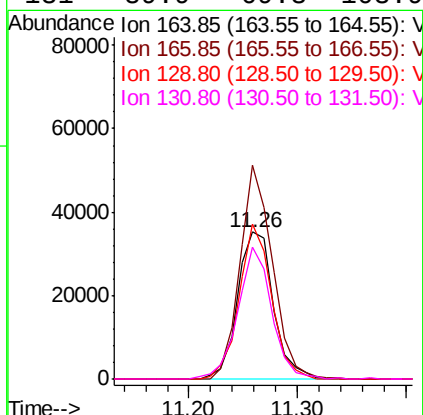
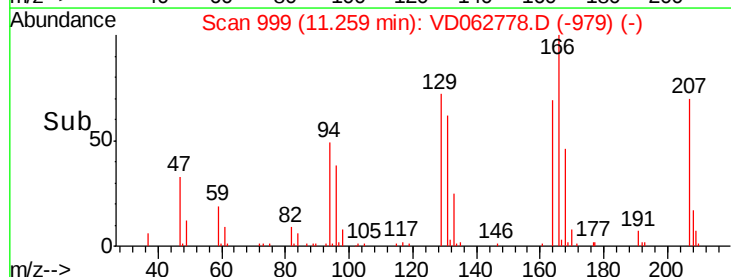
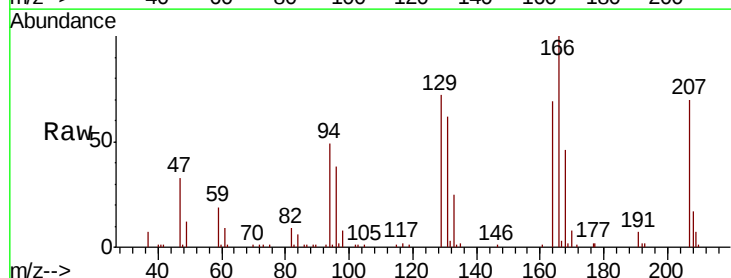
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

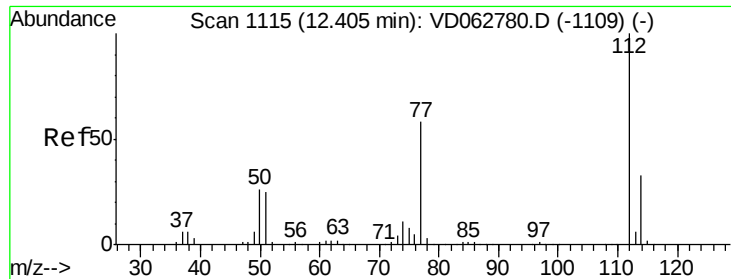
Tot Ion:117 Resp: 986259
Ion Ratio Lower Upper
117 100
82 54.2 40.4 60.6
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 9.928 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion:164 Resp: 80591
Ion Ratio Lower Upper
164 100
166 145.6 100.6 150.8
129 105.3 69.4 104.0#
131 89.9 69.3 103.9





#65

Chlorobenzene

Concen: 9.355 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

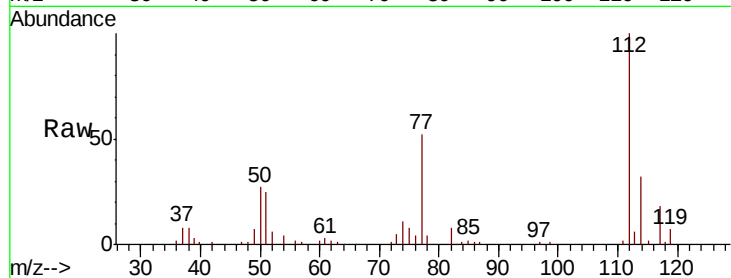
VSTDIC010

Tot Ion:112 Resp: 171224

Ion Ratio Lower Upper

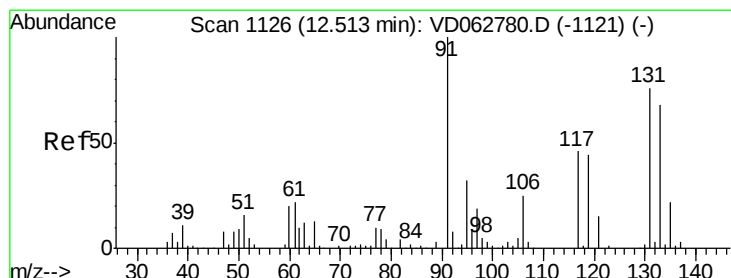
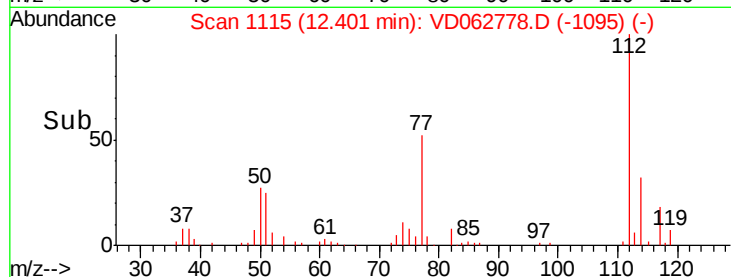
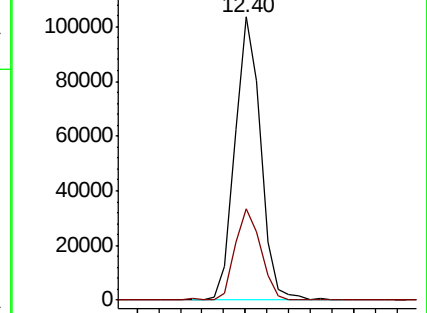
112 100

114 32.2 26.3 39.5



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: 10.260 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

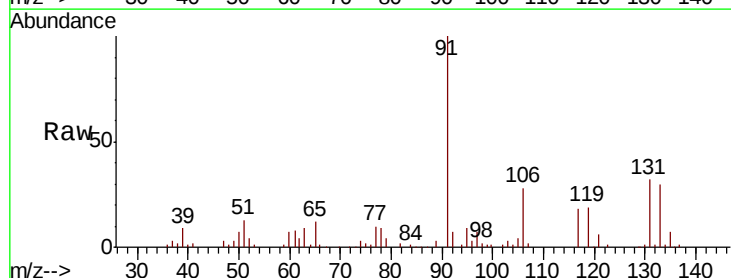
Tgt Ion:131 Resp: 87829

Ion Ratio Lower Upper

131 100

133 94.5 44.5 133.3

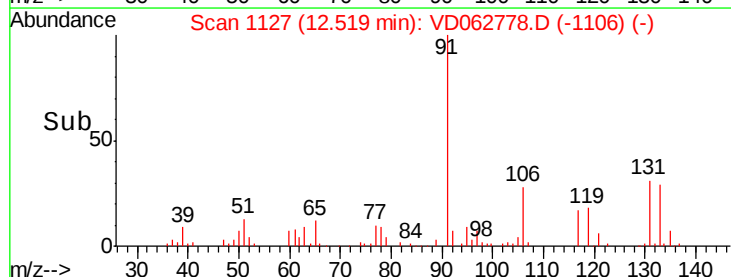
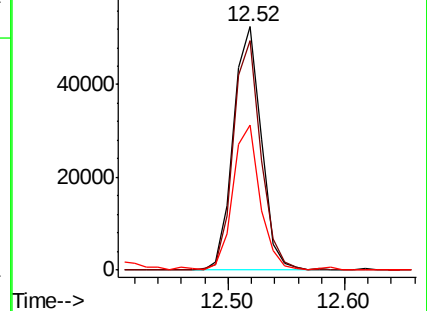
119 59.4 28.6 85.9

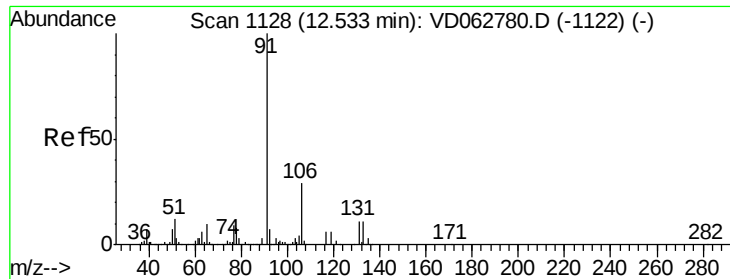


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

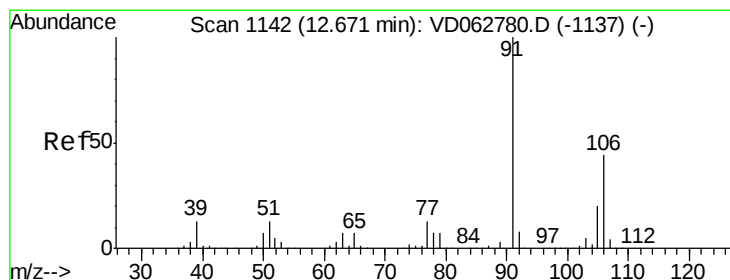
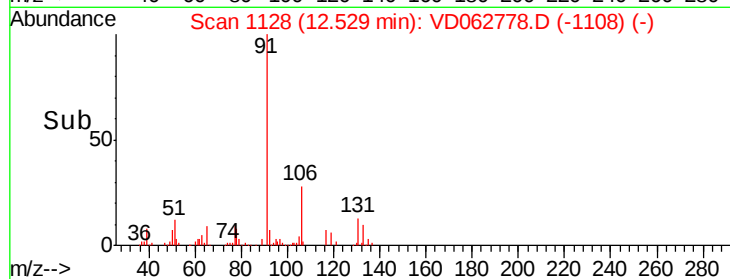
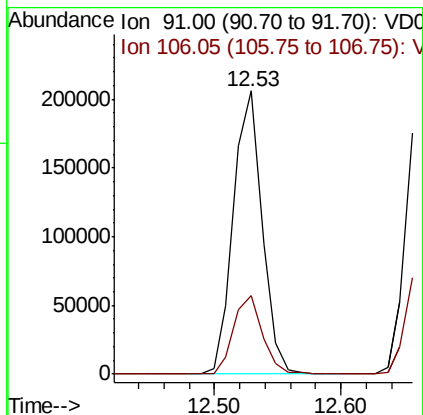
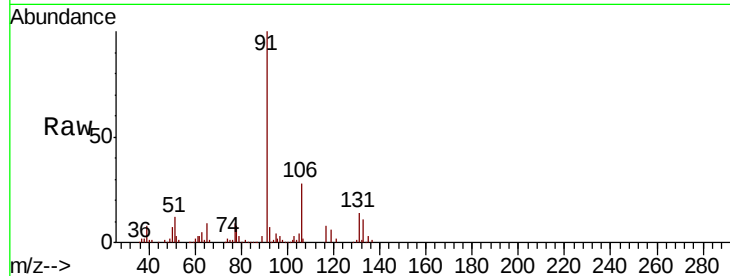




#67
Ethyl Benzene
Concen: 9.874 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

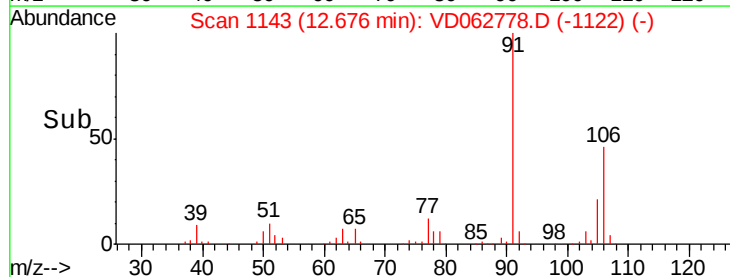
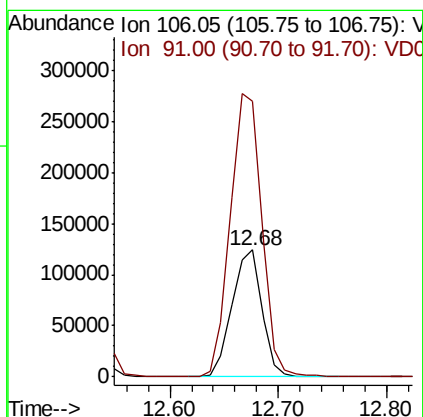
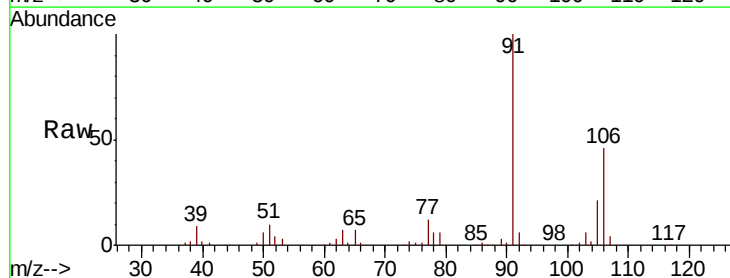
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 324477
Ion Ratio Lower Upper
91 100
106 27.8 23.1 34.7



#68
m/p-Xylenes
Concen: 20.800 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 106 Resp: 238066
Ion Ratio Lower Upper
106 100
91 217.3 183.0 274.6

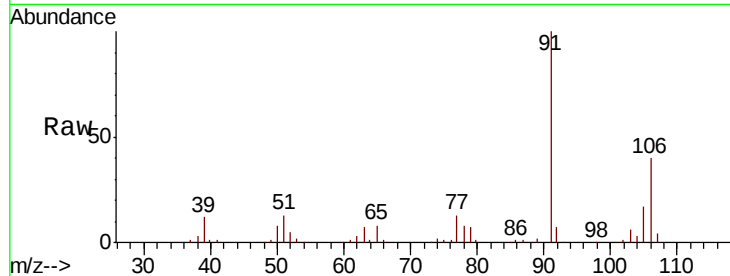




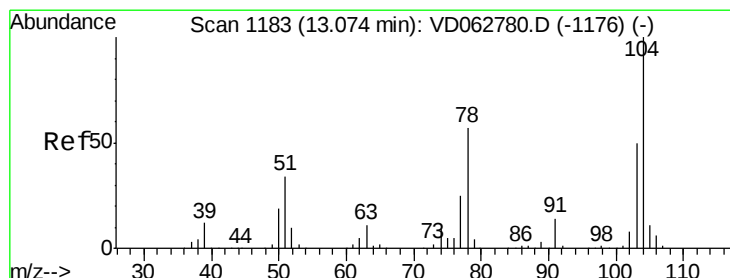
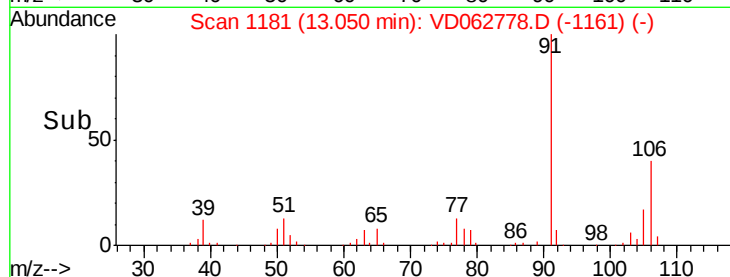
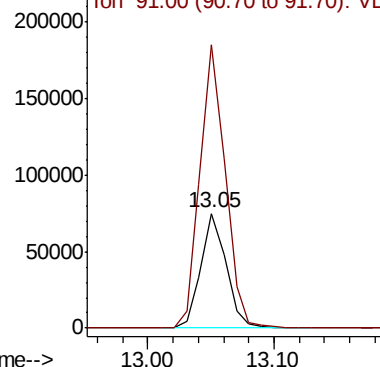
#69
o-Xylene
Concen: 9.954 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 104149
Ion Ratio Lower Upper
106 100
91 247.2 117.9 353.6

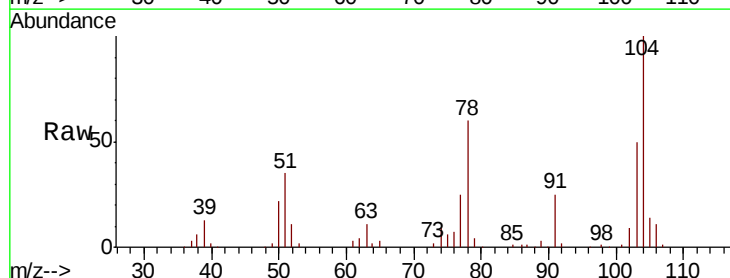


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

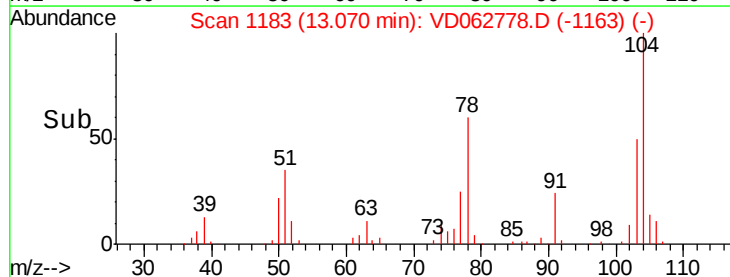
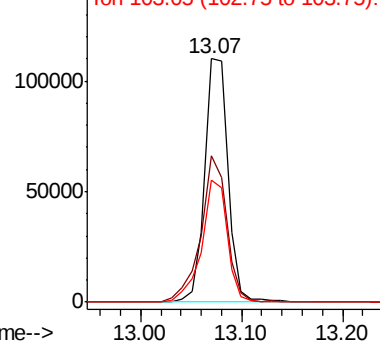


#70
Styrene
Concen: 9.547 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion:104 Resp: 175455
Ion Ratio Lower Upper
104 100
78 59.9 45.4 68.2
103 50.0 39.7 59.5



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





#71

Bromoform

Concen: 9.439 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

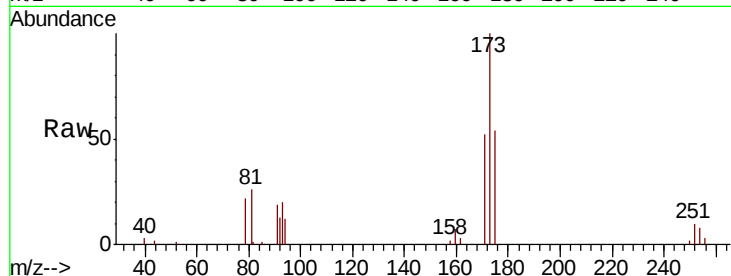
Tot Ion:173 Resp: 55357

Ion Ratio Lower Upper

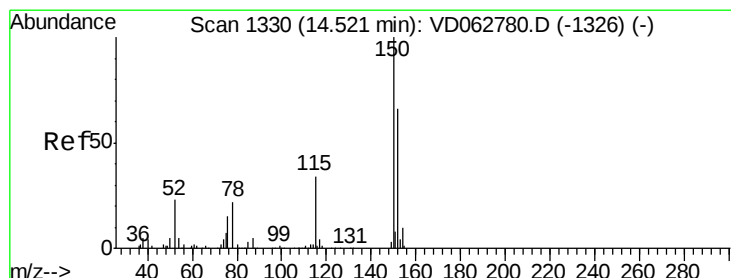
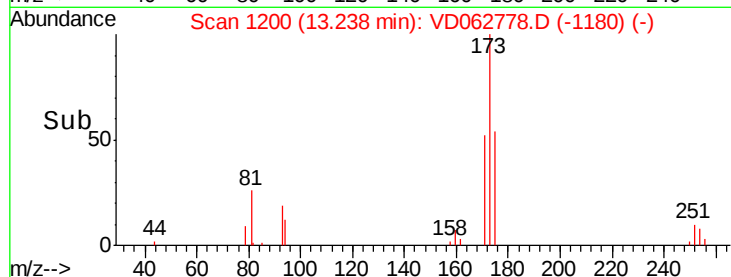
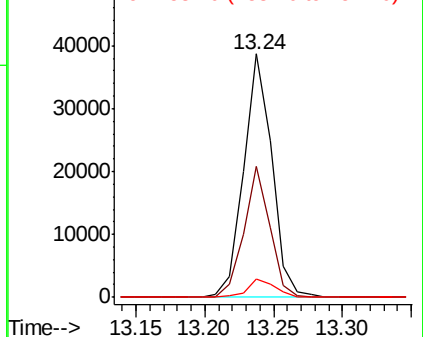
173 100

175 53.6 25.3 75.9

254 7.5 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

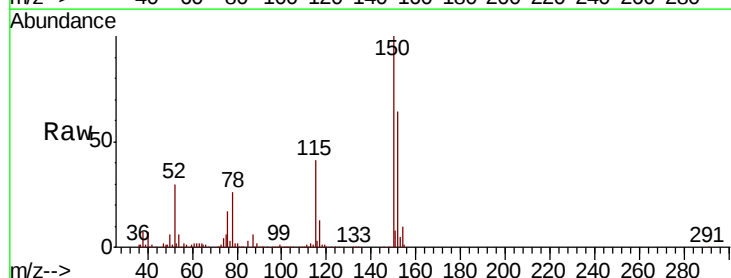
Tgt Ion:152 Resp: 542402

Ion Ratio Lower Upper

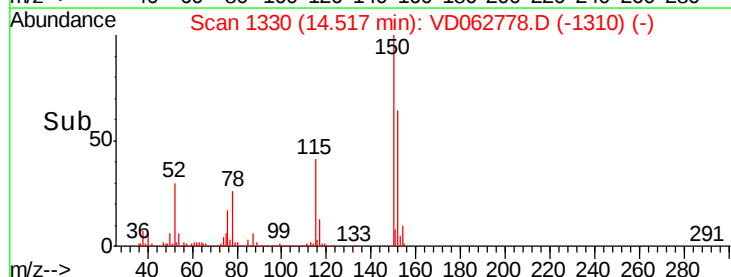
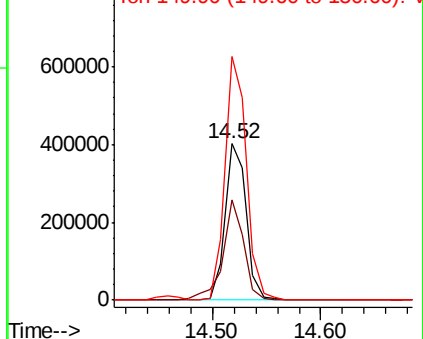
152 100

115 63.9 29.2 87.6

150 156.1 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.911 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

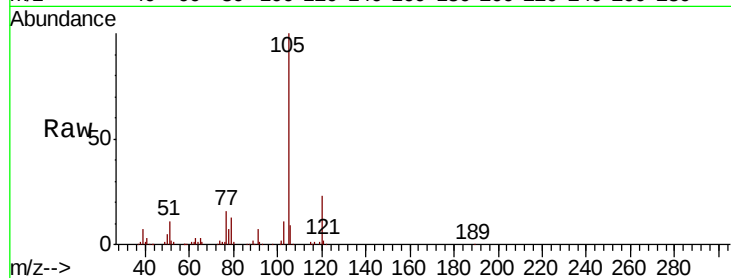
VSTDIC010

Tot Ion:105 Resp: 344675

Ion Ratio Lower Upper

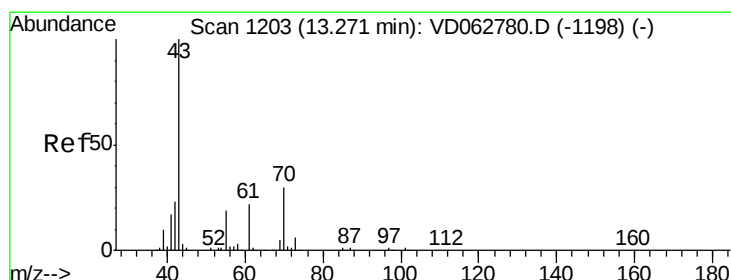
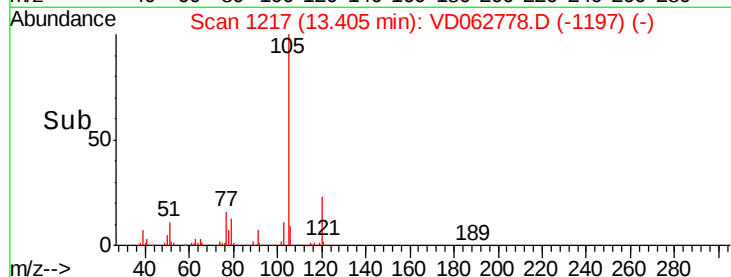
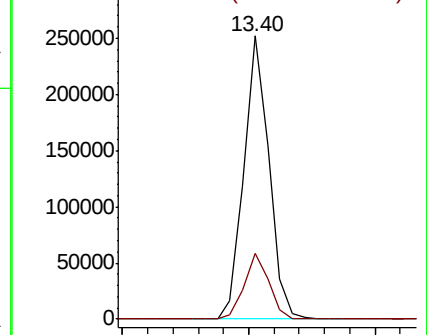
105 100

120 23.4 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 8.811 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Tgt Ion: 43 Resp: 74417

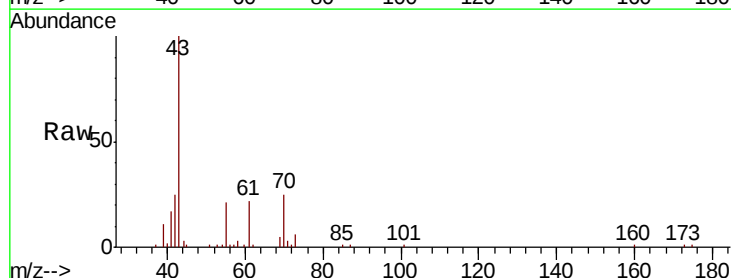
Ion Ratio Lower Upper

43 100

70 25.0 24.4 36.6

55 21.4 15.2 22.8

61 21.7 17.4 26.2

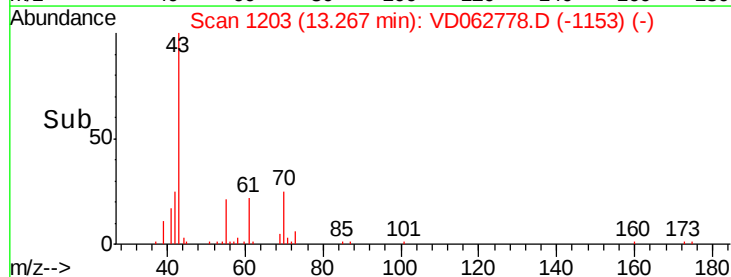
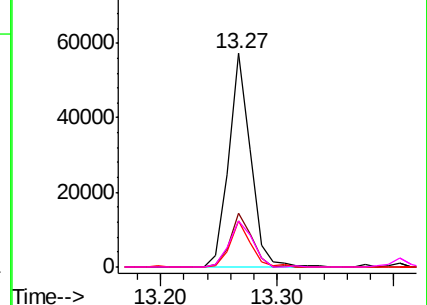


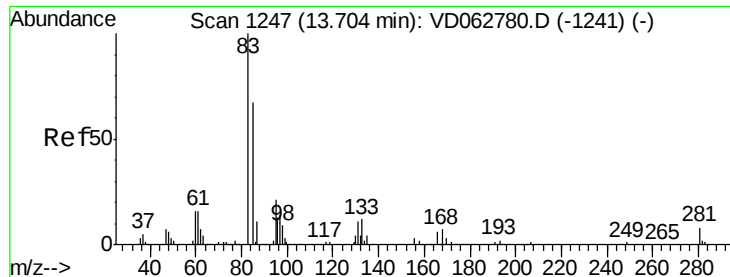
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.322 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

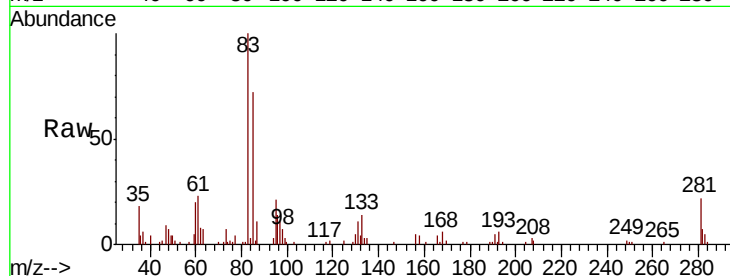
Tot Ion: 83 Resp: 52825

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

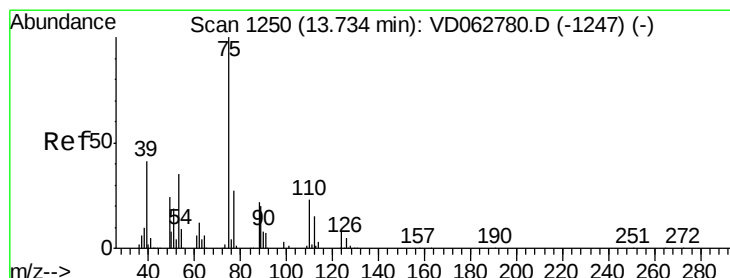
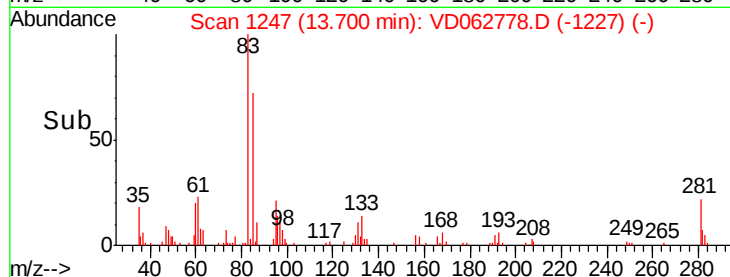
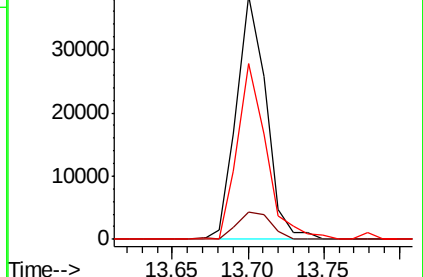
85 72.0 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.522 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062778.D

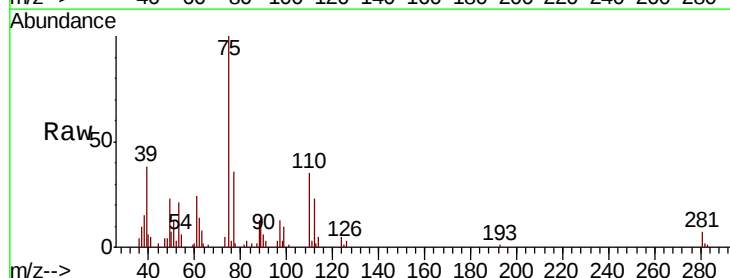
Acq: 19 Jun 2019 14:45

Tgt Ion: 75 Resp: 59624

Ion Ratio Lower Upper

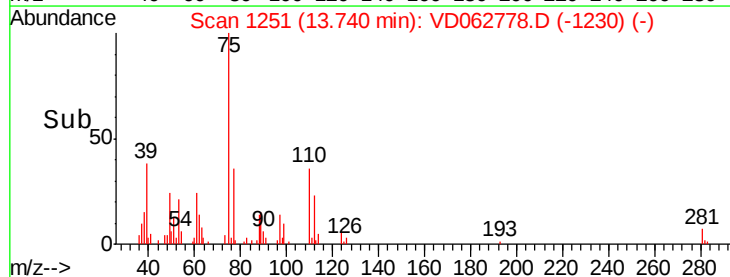
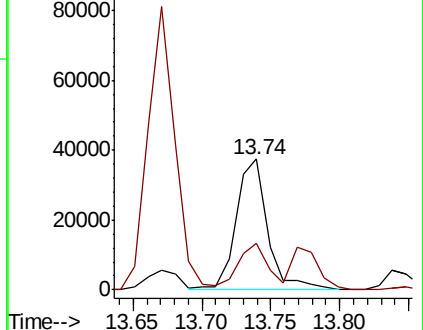
75 100

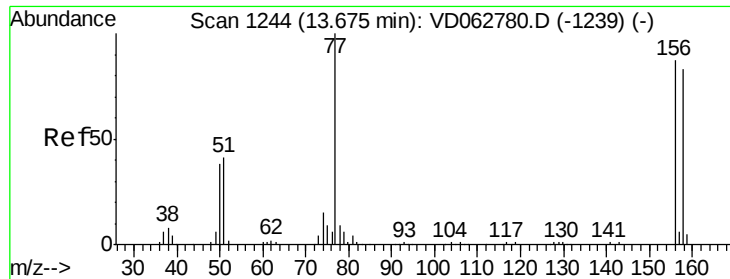
77 35.6 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.092 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

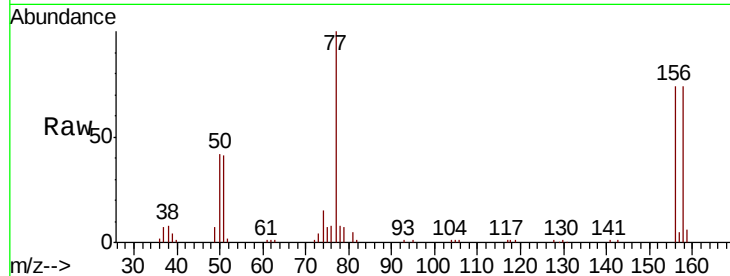
Tot Ion:156 Resp: 85050

Ion Ratio Lower Upper

156 100

77 134.5 57.7 173.1

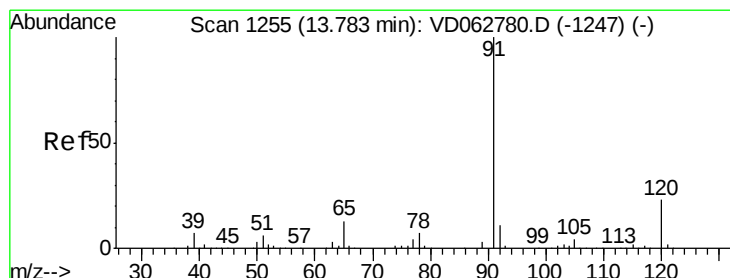
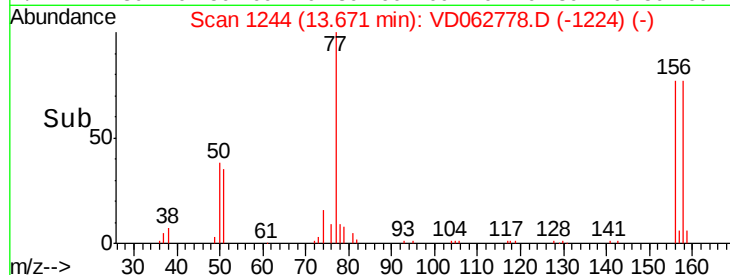
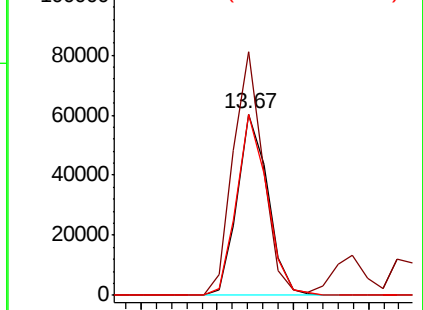
158 99.8 47.7 143.1



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: 10.012 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062778.D

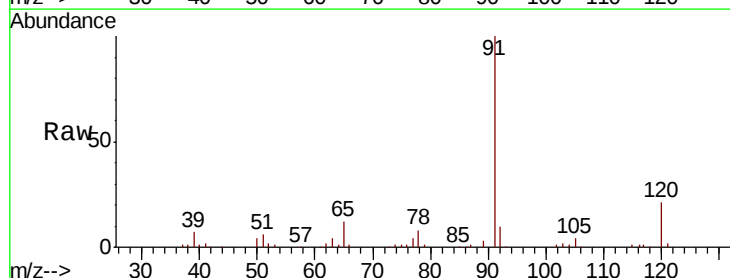
Acq: 19 Jun 2019 14:45

Tgt Ion: 91 Resp: 405256

Ion Ratio Lower Upper

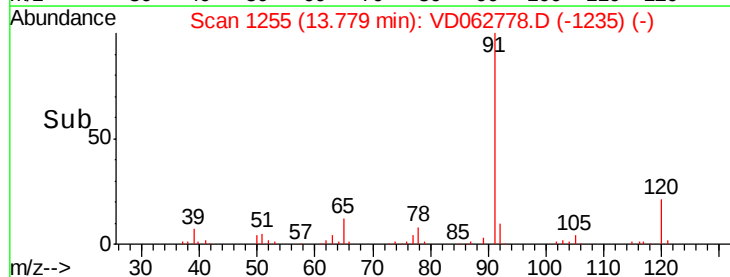
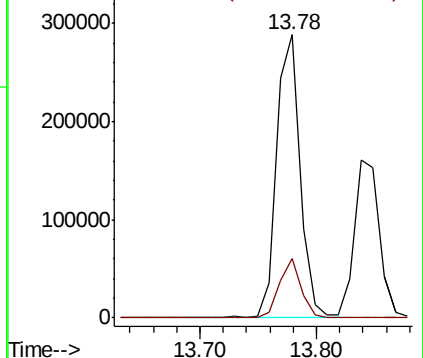
91 100

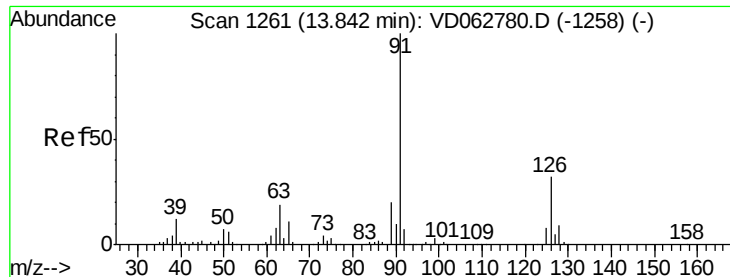
120 21.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

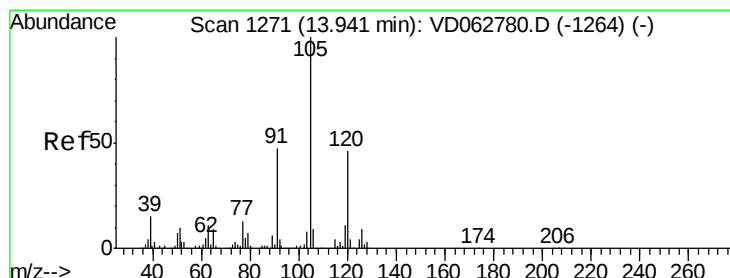
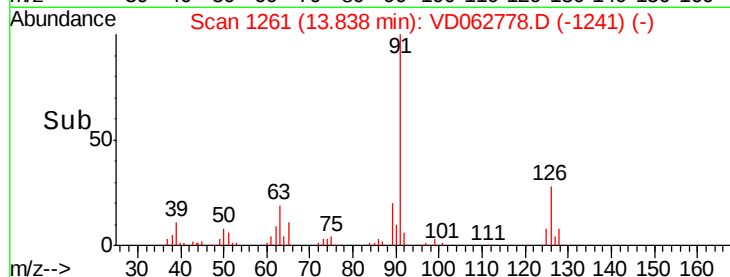
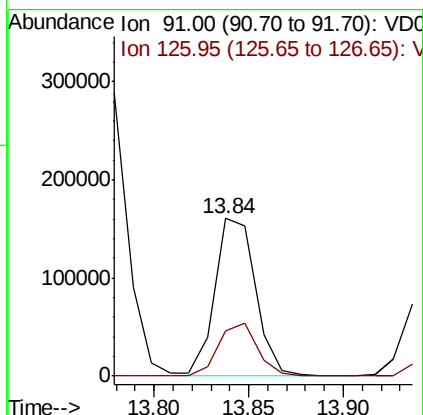
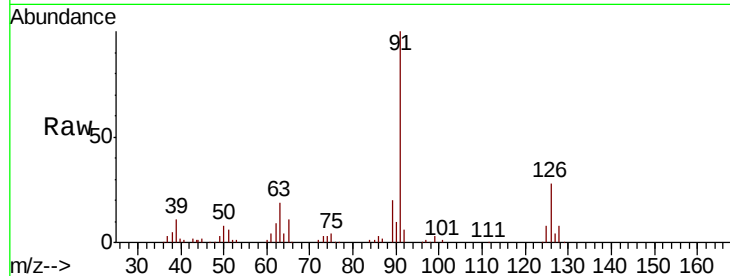




#79
2-Chlorotoluene
Concen: 10.242 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

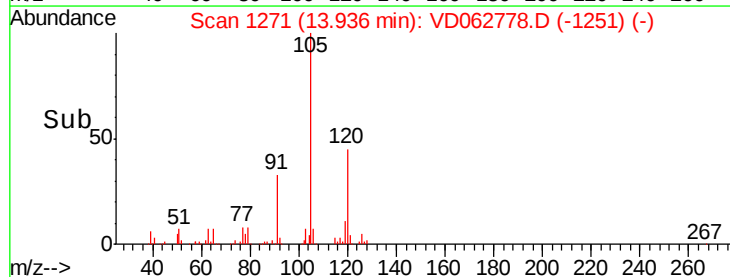
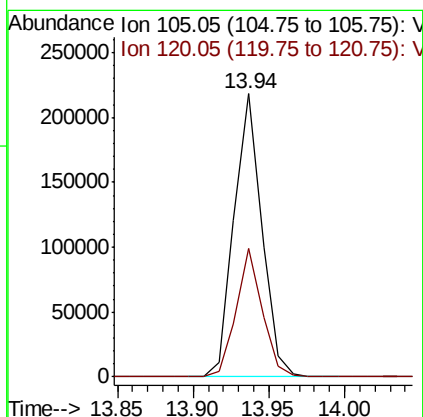
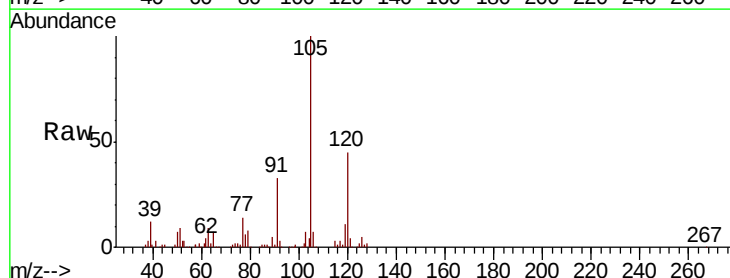
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

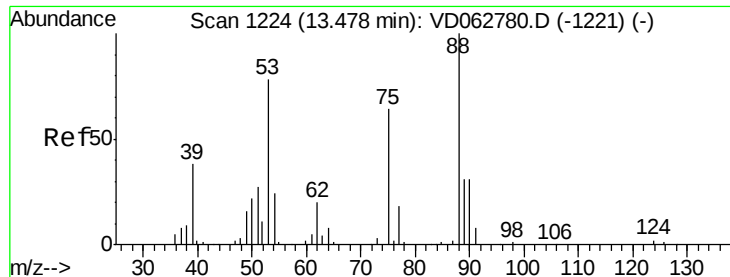
Tot Ion: 91 Resp: 236716
Ion Ratio Lower Upper
91 100
126 28.4 15.7 47.1



#80
1,3,5-Trimethylbenzene
Concen: 9.495 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion: 105 Resp: 277380
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 10.017 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

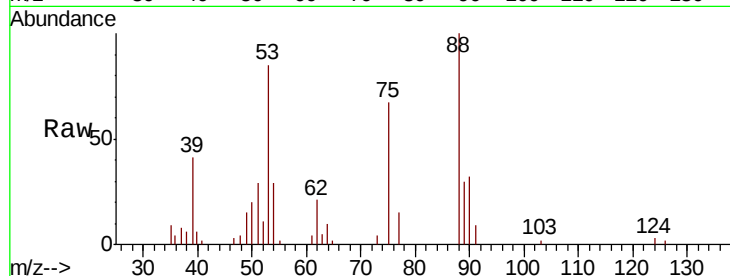
Tot Ion: 75 Resp: 16438

Ion Ratio Lower Upper

75 100

53 126.5 97.8 146.8

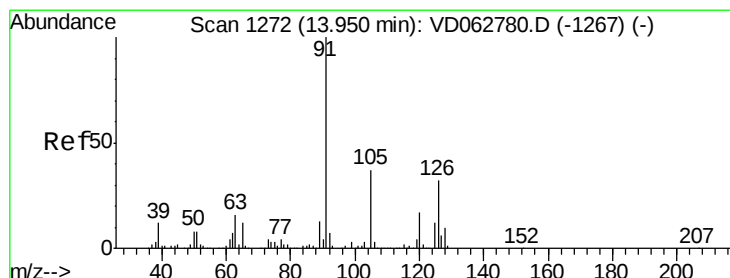
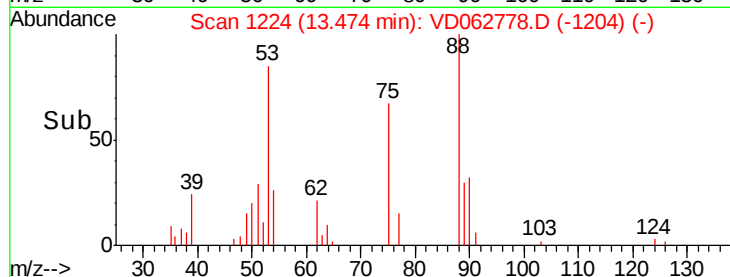
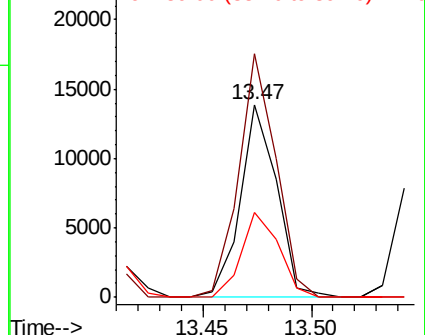
89 44.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 9.885 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062778.D

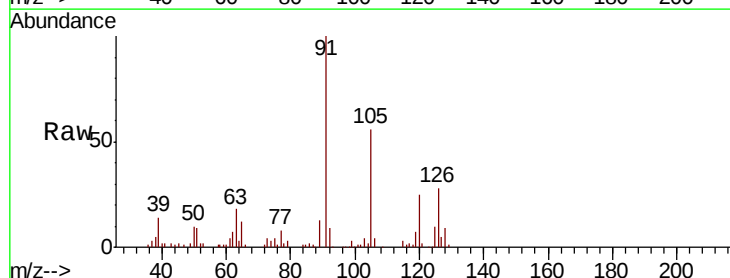
Acq: 19 Jun 2019 14:45

Tgt Ion: 91 Resp: 275290

Ion Ratio Lower Upper

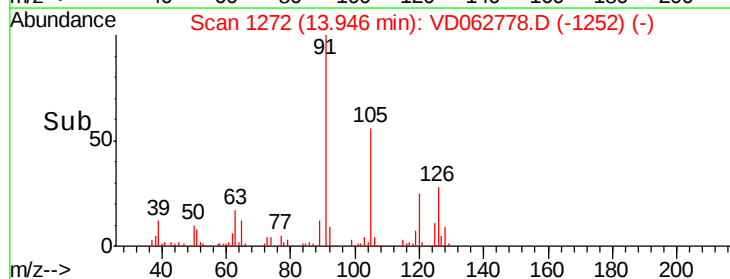
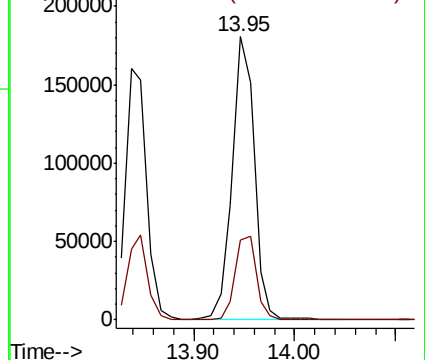
91 100

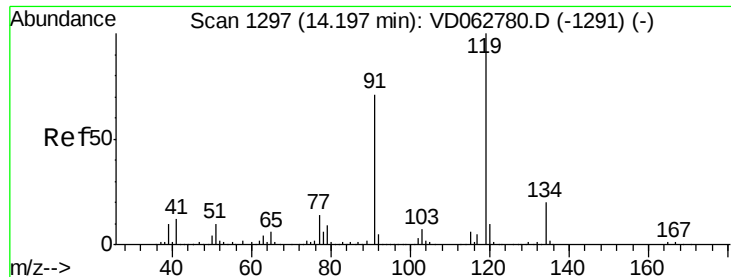
126 28.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

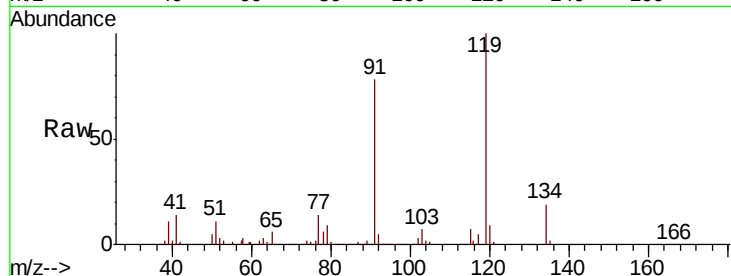




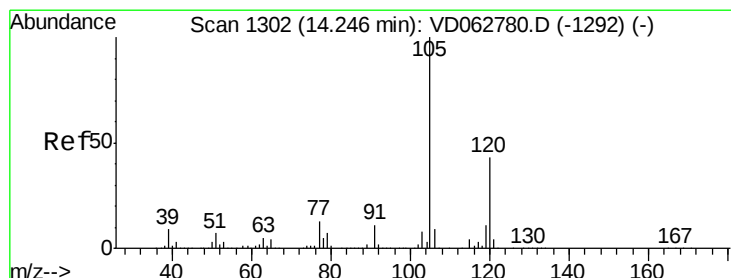
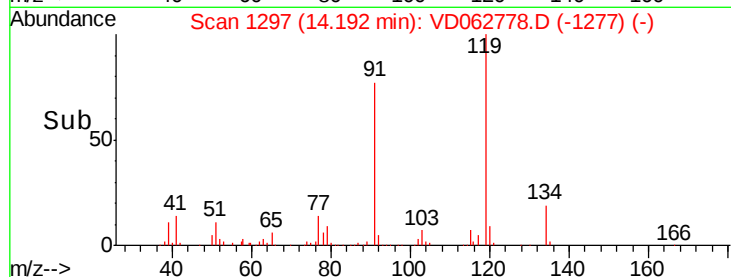
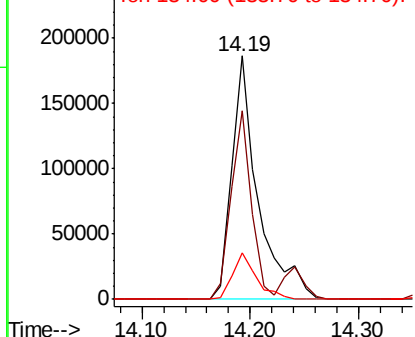
#83
tert-Butylbenzene
Concen: 9.722 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:119 Resp: 316553
Ion Ratio Lower Upper
119 100
91 77.7 35.5 106.5
134 19.3 10.2 30.6

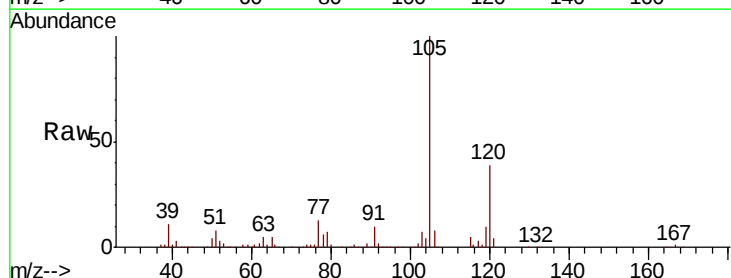


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

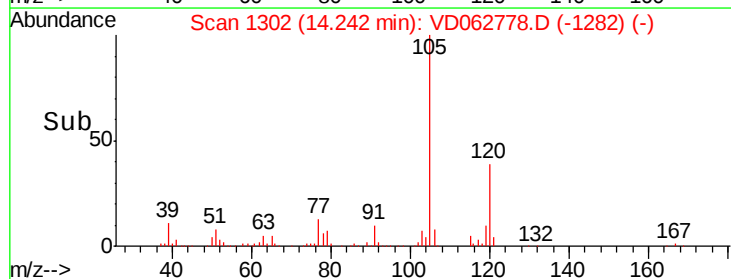
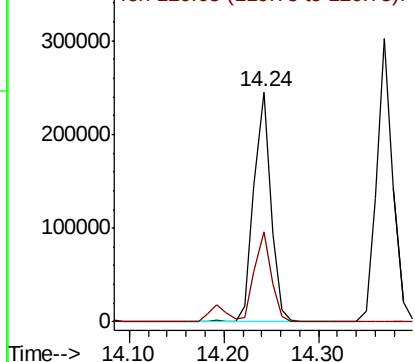


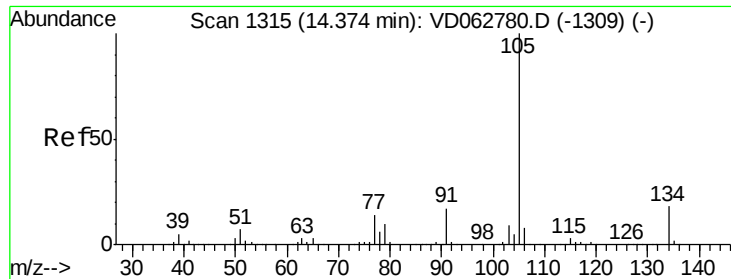
#84
1,2,4-Trimethylbenzene
Concen: 10.272 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062778.D
Acq: 19 Jun 2019 14:45

Tgt Ion:105 Resp: 307564
Ion Ratio Lower Upper
105 100
120 39.2 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

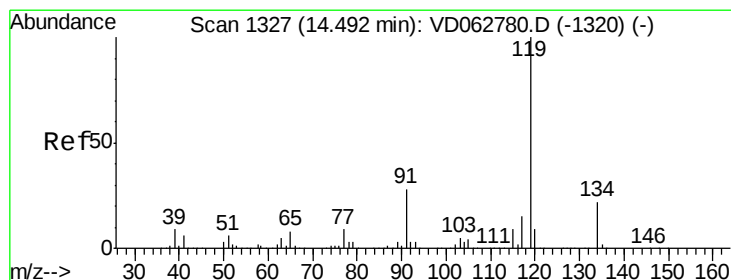
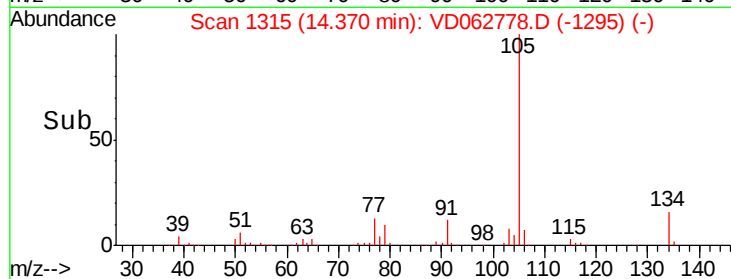
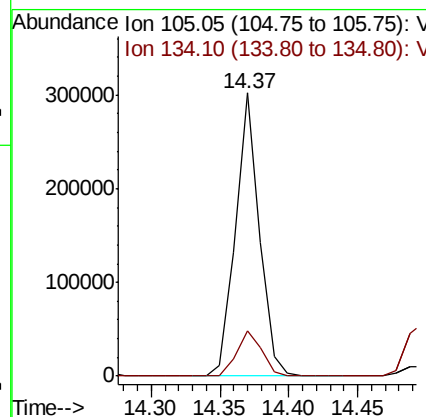
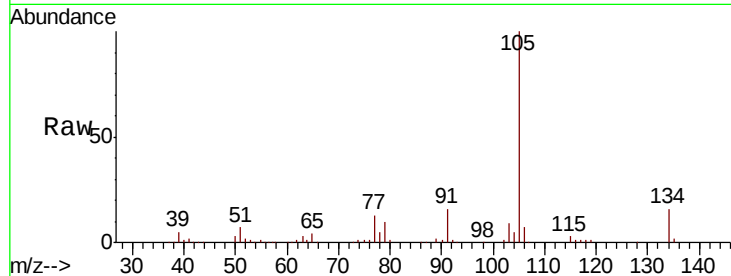




#85
 sec-Butylbenzene
 Concen: 10.248 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

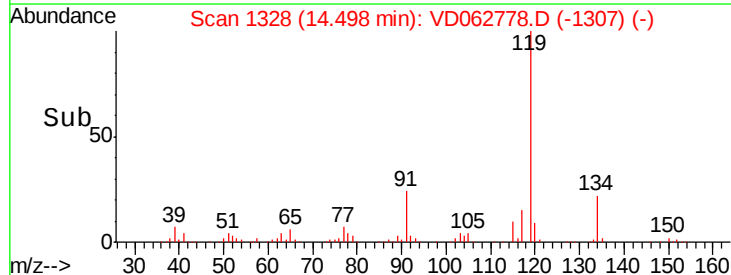
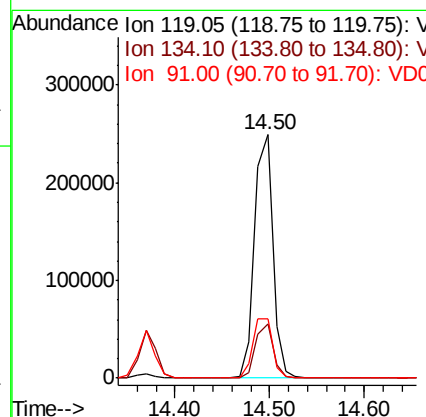
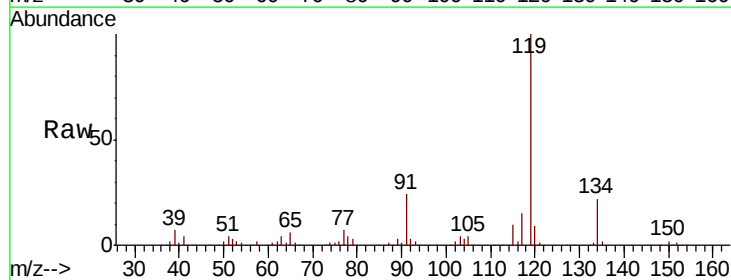
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 362666
 Ion Ratio Lower Upper
 105 100
 134 16.2 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 10.395 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion:119 Resp: 336561
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.1 33.1
 91 24.4 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 9.723 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

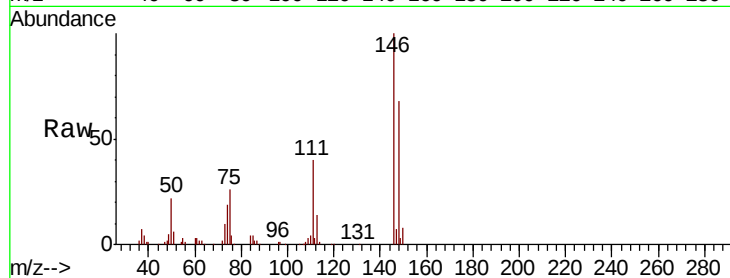
Tot Ion:146 Resp: 163043

Ion Ratio Lower Upper

146 100

111 40.3 19.0 57.0

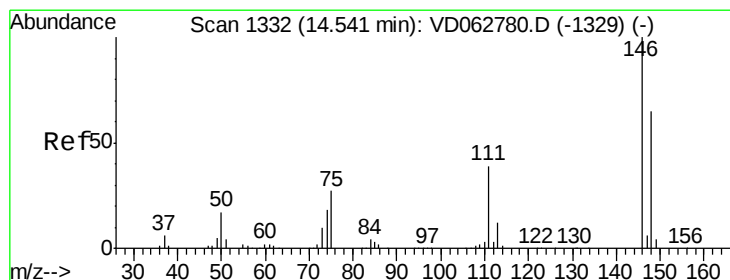
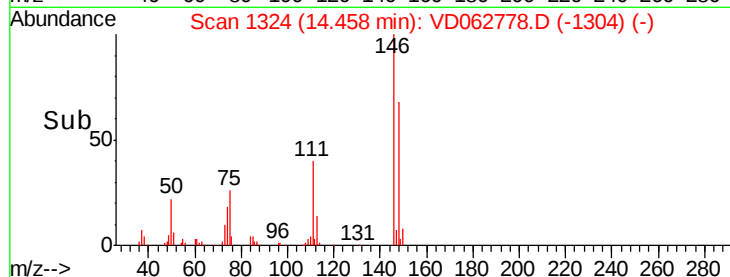
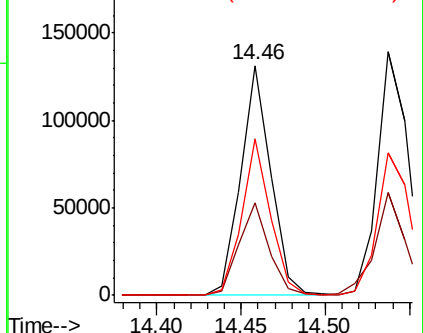
148 67.9 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.390 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

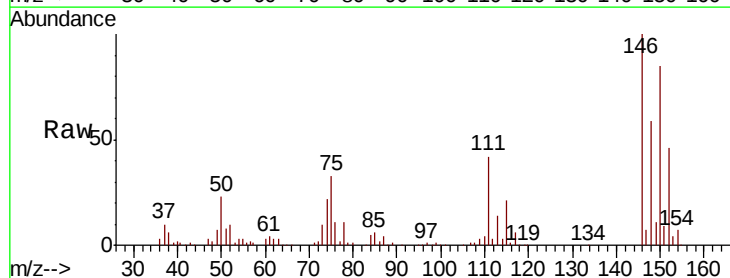
Tgt Ion:146 Resp: 174984

Ion Ratio Lower Upper

146 100

111 42.3 19.7 59.1

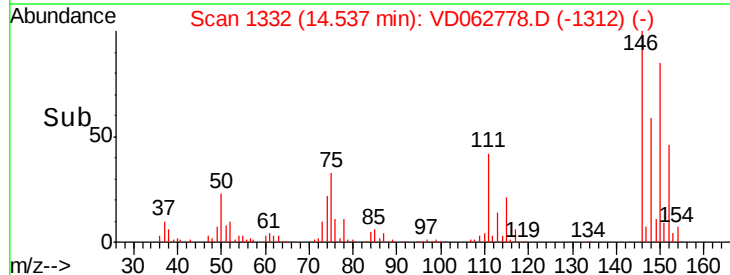
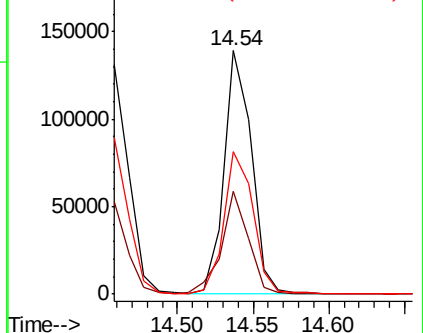
148 58.6 32.8 98.3

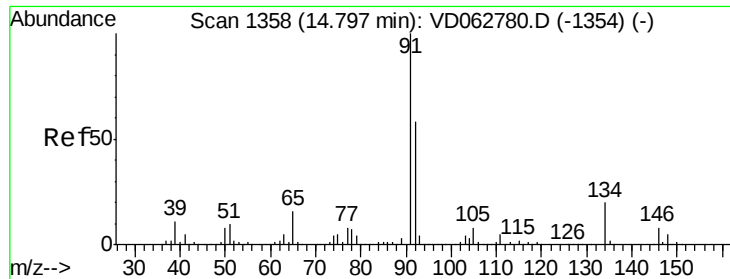


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 10.033 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

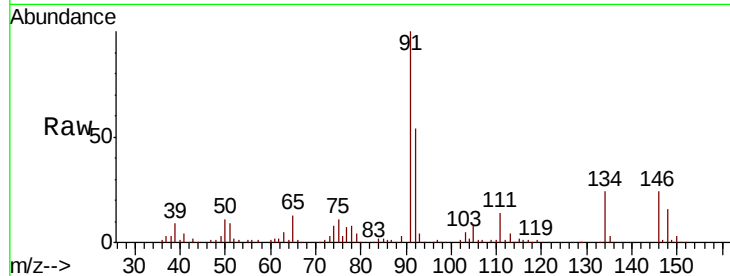
Tot Ion: 91 Resp: 304019

Ion Ratio Lower Upper

91 100

92 54.5 28.9 86.7

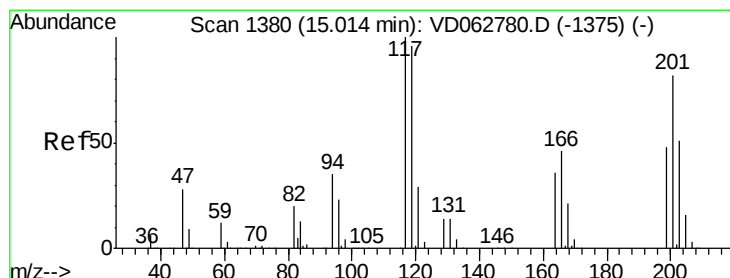
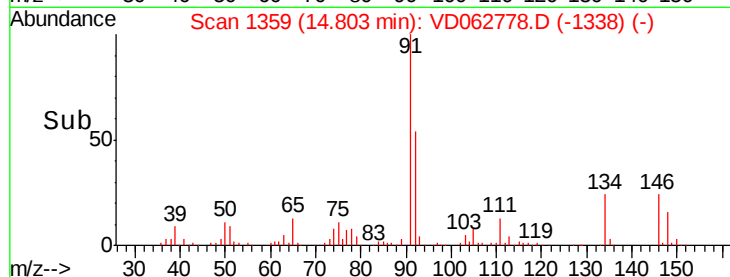
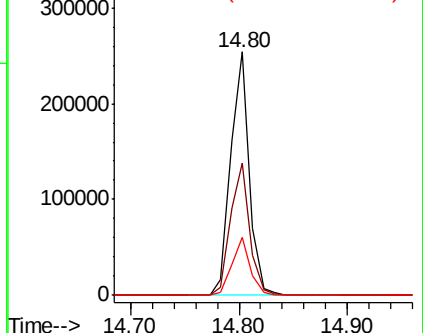
134 23.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 9.029 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062778.D

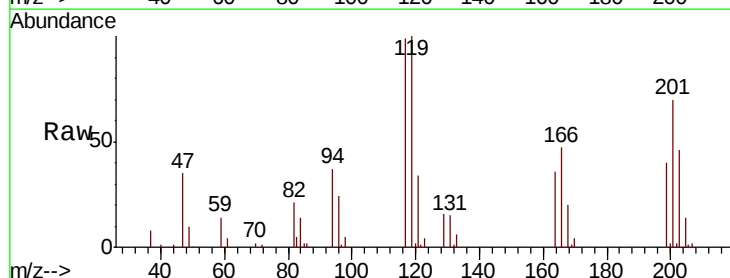
Acq: 19 Jun 2019 14:45

Tgt Ion: 117 Resp: 78601

Ion Ratio Lower Upper

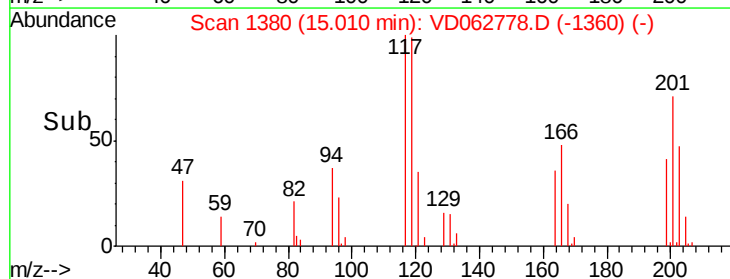
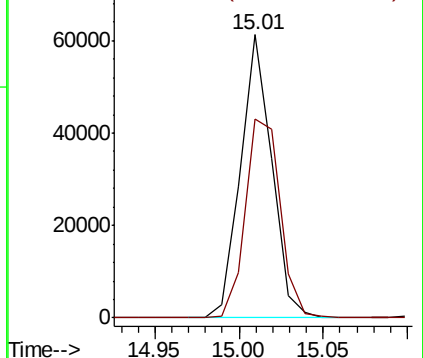
117 100

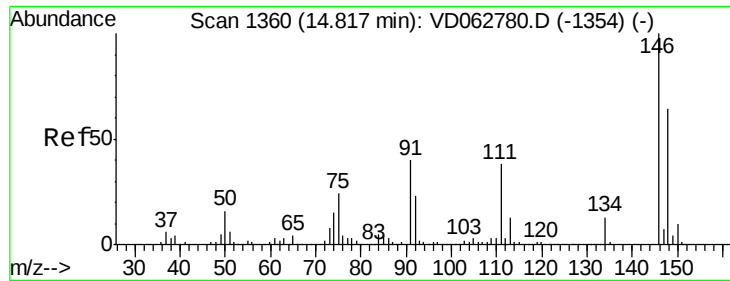
201 70.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

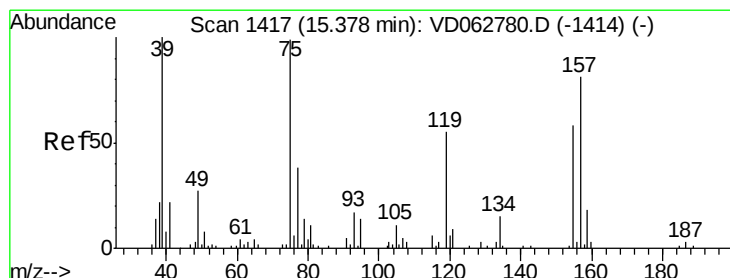
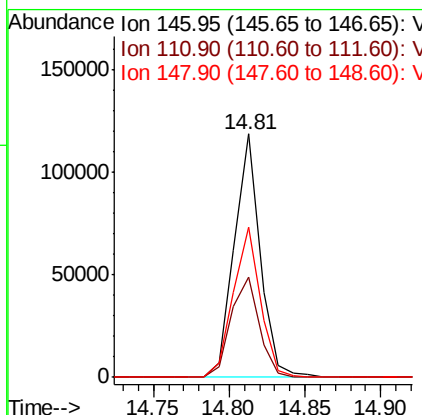
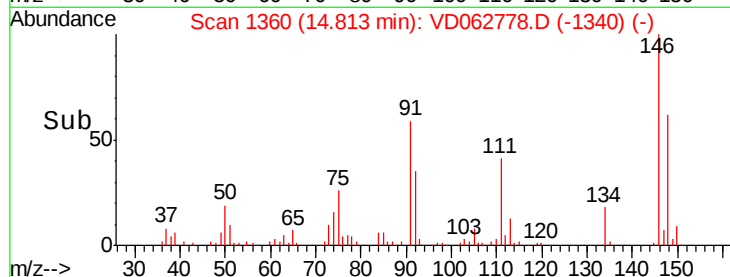
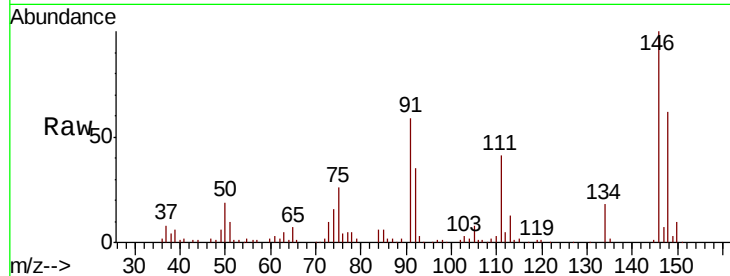




#91
 1,2-Dichlorobenzene
 Concen: 9.804 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

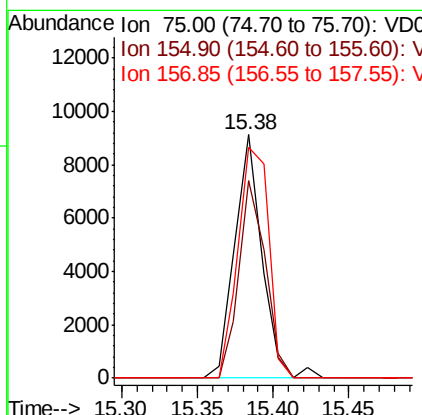
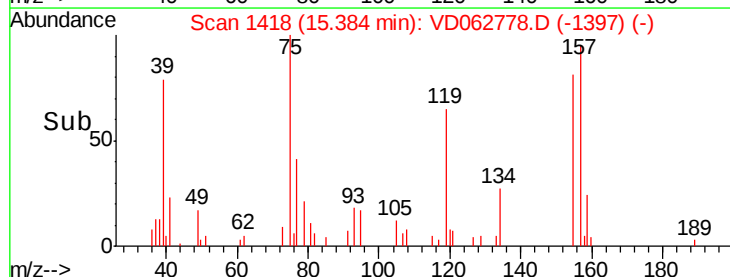
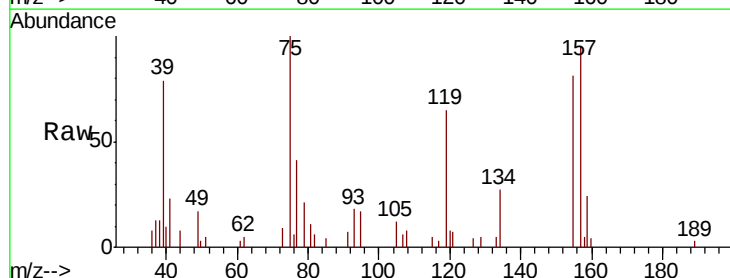
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

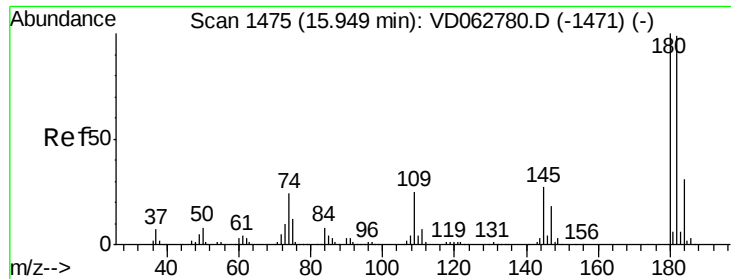
Tot Ion:146 Resp: 140652
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.1 57.1
 148 61.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.322 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion: 75 Resp: 11416
 Ion Ratio Lower Upper
 75 100
 155 81.3 29.3 87.8
 157 94.7 41.3 123.7

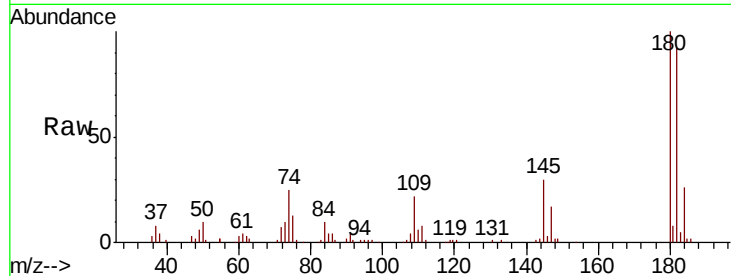




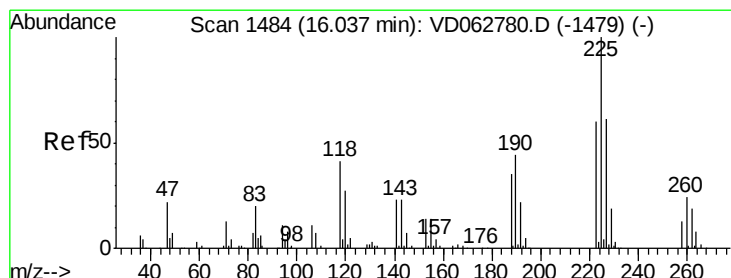
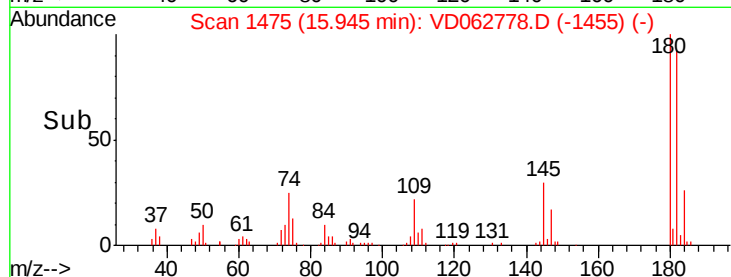
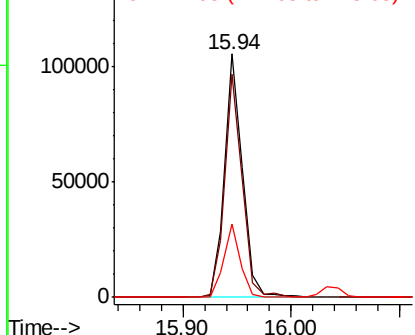
#93
 1,2,4-Trichlorobenzene
 Concen: 10.767 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 120669
 Ion Ratio Lower Upper
 180 100
 182 91.5 49.5 148.5
 145 30.1 13.7 41.0

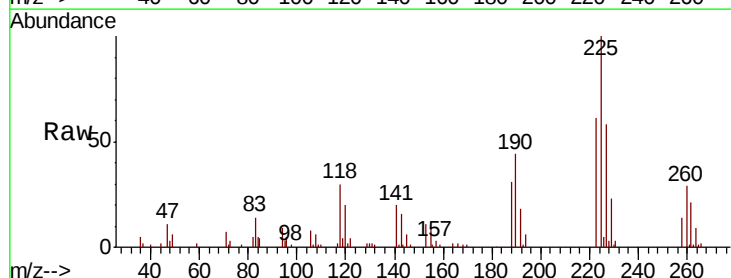


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

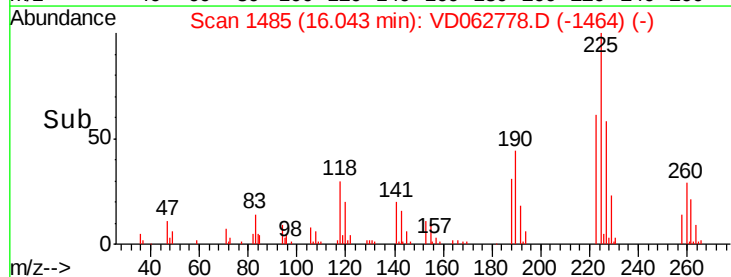
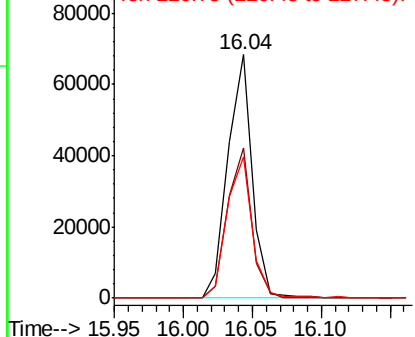


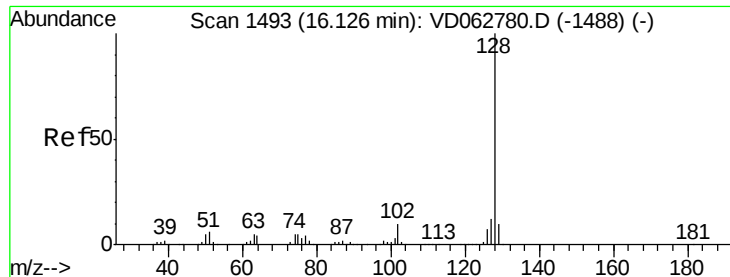
#94
 Hexachlorobutadiene
 Concen: 9.746 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062778.D
 Acq: 19 Jun 2019 14:45

Tgt Ion:225 Resp: 83445
 Ion Ratio Lower Upper
 225 100
 223 61.5 29.8 89.5
 227 57.8 30.6 91.6



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: 9.524 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

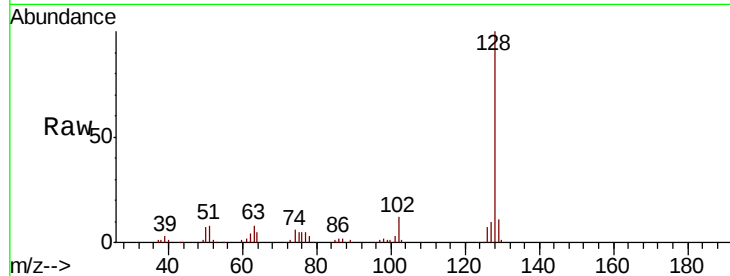
Tot Ion:128 Resp: 149604

Ion Ratio Lower Upper

128 100

127 10.2 9.7 14.5

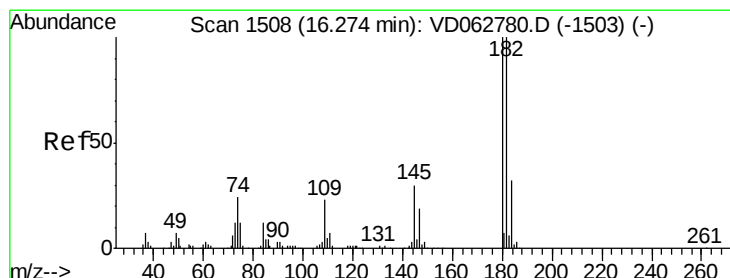
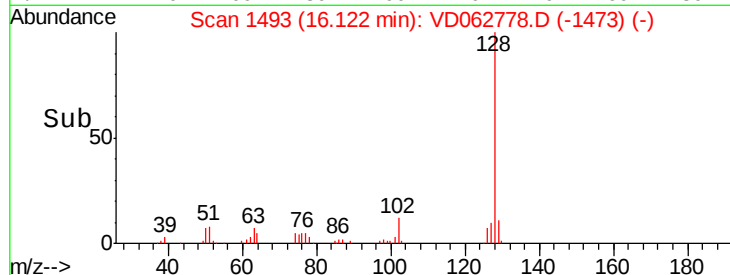
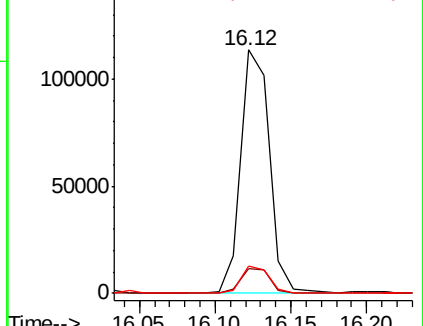
129 11.0 8.3 12.5



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: 9.707 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062778.D

Acq: 19 Jun 2019 14:45

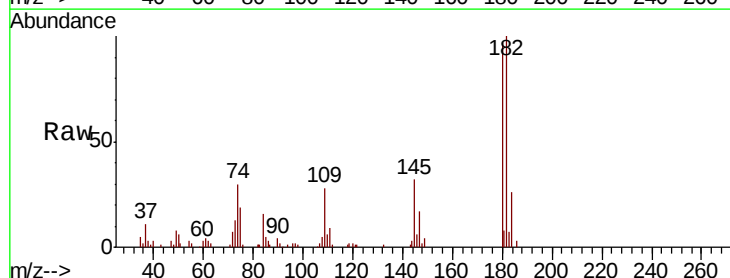
Tgt Ion:180 Resp: 83588

Ion Ratio Lower Upper

180 100

182 102.6 49.9 149.6

145 32.6 15.2 45.5



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

