

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062644.D
 Acq On : 7 Jun 2019 17:07
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 00:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	759195	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1057024	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	912575	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	492669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	553779	50.55	ug/l	0.02
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	6.93	113	565010	50.68	ug/l	0.01
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.42	98	1184281	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	13.56	95	559818	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	376843	42.299	ug/l	97
3) Chloromethane	1.75	50	323803	43.105	ug/l	97
4) Vinyl Chloride	1.85	62	349925	45.174	ug/l	95
5) Bromomethane	2.16	94	195434	49.983	ug/l	96
6) Chloroethane	2.28	64	184785	48.318	ug/l	96
7) Trichlorofluoromethane	2.53	101	770637	44.448	ug/l	97
8) Diethyl Ether	2.88	74	100399	42.576	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.15	101	449487	48.071	ug/l	97
10) Methyl Iodide	3.31	142	587417	43.816	ug/l	96
11) Tert butyl alcohol	4.09	59	91735	203.715	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	323978	48.281	ug/l	92
13) Acrolein	3.03	56	33708	232.708	ug/l	96
14) Allyl chloride	3.62	41	513174	49.738	ug/l	97
15) Acrylonitrile	4.21	53	255174	249.366	ug/l	99
16) Acetone	3.22	43	507609	253.038	ug/l	96
17) Carbon Disulfide	3.38	76	977700	49.444	ug/l	97
18) Methyl Acetate	3.64	43	133476	40.487	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	822477	50.256	ug/l	96
20) Methylene Chloride	3.82	84	354059	46.684	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	362102	49.195	ug/l	97
22) Diisopropyl ether	5.13	45	1091642	50.955	ug/l	96
23) Vinyl Acetate	5.06	43	3493356	262.841	ug/l	100
24) 1,1-Dichloroethane	4.99	63	690250	50.083	ug/l	98
25) 2-Butanone	6.08	43	494327	252.584	ug/l	98
26) 2,2-Dichloropropane	6.04	77	760786	47.896	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	392414	49.178	ug/l	98
28) Bromochloromethane	6.44	49	300293	56.999	ug/l	92
29) Tetrahydrofuran	6.47	42	214065	242.888	ug/l	100
30) Chloroform	6.67	83	877450	49.622	ug/l	96
31) Cyclohexane	6.96	56	434473	50.255	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	904546	51.409	ug/l	98
36) 1,1-Dichloropropene	7.15	75	589955	48.766	ug/l	99
37) Ethyl Acetate	6.18	43	237536	46.145	ug/l #	94
38) Carbon Tetrachloride	7.12	117	971864	50.826	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	487802	49.898	ug/l	95
40) Benzene	7.46	78	1129468	47.807	ug/l	99
41) Methacrylonitrile	6.46	41	295091	46.597	ug/l	93
42) 1,2-Dichloroethane	7.58	62	684315	48.596	ug/l	97
43) Isopropyl Acetate	9.25	43	305153	47.806	ug/l #	94
44) Trichloroethene	8.55	130	458580	47.812	ug/l	99
45) 1,2-Dichloropropane	8.94	63	296430	52.236	ug/l	98
46) Dibromomethane	9.07	93	239662	47.578	ug/l	92
47) Bromodichloromethane	9.38	83	669822	48.883	ug/l	99
48) Methyl methacrylate	9.13	41	213365	46.268	ug/l	97
49) 1,4-Dioxane	9.09	88	35660	871.135	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	1082988	242.471	ug/l	100
52) Toluene	10.52	92	795003	50.061	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	582128	51.816	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	582765	50.189	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	266472	48.929	ug/l	98
56) Ethyl methacrylate	11.05	69	292278	44.971	ug/l	99
57) 1,3-Dichloropropane	11.41	76	418371	49.564	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	655244	225.106	ug/l	91
59) 2-Hexanone	11.54	43	789920	237.754	ug/l	98
60) Dibromochloromethane	11.69	129	514806	47.885	ug/l	97
61) 1,2-Dibromoethane	11.81	107	324899	49.845	ug/l	93
64) Tetrachloroethene	11.26	164	405227	47.435	ug/l	98
65) Chlorobenzene	12.41	112	961206	47.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	465963	48.400	ug/l	96
67) Ethyl Benzene	12.52	91	1768223	49.406	ug/l	98
68) m/p-Xylenes	12.67	106	1210190	96.184	ug/l	100
69) o-Xylene	13.06	106	587456	50.838	ug/l	88
70) Styrene	13.08	104	994157	48.218	ug/l	97
71) Bromoform	13.24	173	306565	41.990	ug/l	95
73) Isopropylbenzene	13.41	105	1861263	53.599	ug/l	96
74) N-amyl acetate	13.27	43	479440	51.086	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	273234	45.985	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	314923	47.143	ug/l	98
77) Bromobenzene	13.68	156	475673	47.926	ug/l	97
78) n-propylbenzene	13.77	91	2117334	49.812	ug/l	100
79) 2-Chlorotoluene	13.84	91	1213775	48.769	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1525931	49.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	93497	47.414	ug/l	88
82) 4-Chlorotoluene	13.95	91	1402817	47.132	ug/l	100
83) tert-Butylbenzene	14.20	119	1720195	50.818	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1561112	51.375	ug/l	98
85) sec-Butylbenzene	14.37	105	1818708	51.238	ug/l	99
86) p-Isopropyltoluene	14.49	119	1757952	50.868	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	894252	49.735	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	845144	49.736	ug/l	98
89) n-Butylbenzene	14.80	91	1533388	49.320	ug/l	99
90) Hexachloroethane	15.01	117	450631	49.393	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	739478	49.475	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59784	47.104	ug/l	92

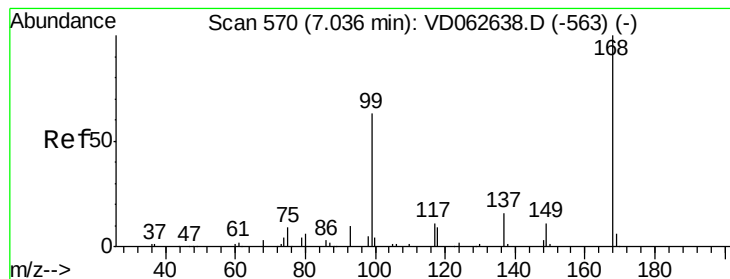
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	552537	44.036	ug/l	98
94) Hexachlorobutadiene	16.04	225	421927	47.813	ug/l	100
95) Naphthalene	16.13	128	760179	43.040	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	395219	45.908	ug/l	95

(#) = 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. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

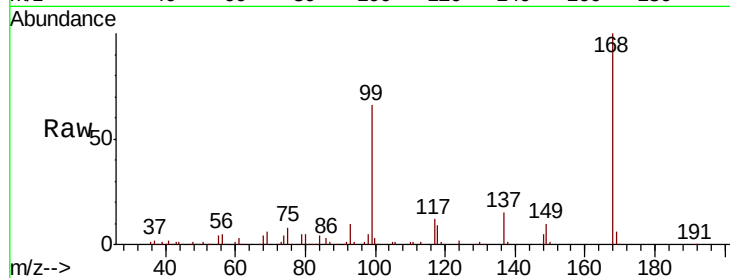
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 759195

Ion Ratio Lower Upper

168 100

99 66.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

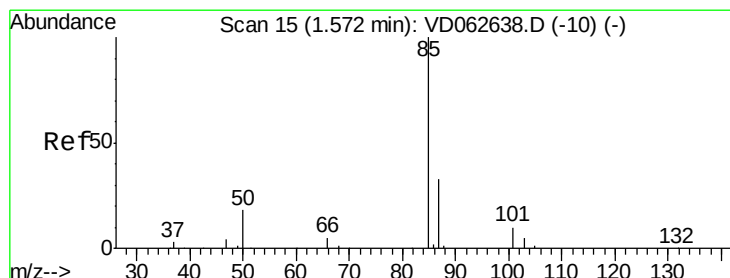
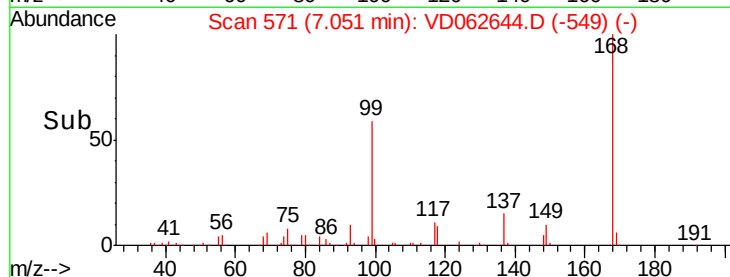
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.299 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062644.D

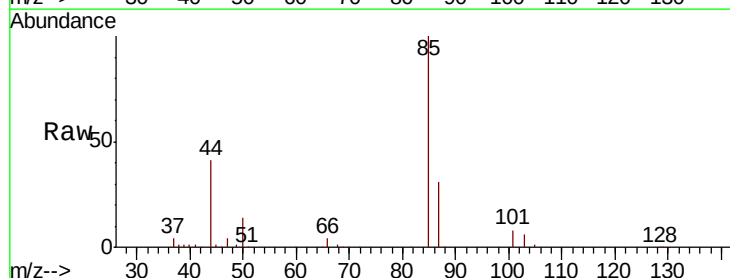
Acq: 7 Jun 2019 17:07

Tgt Ion: 85 Resp: 376843

Ion Ratio Lower Upper

85 100

87 31.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

150000

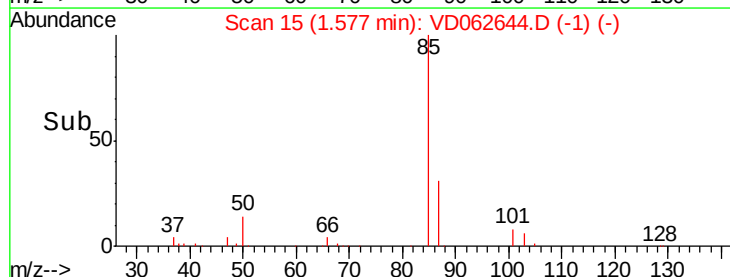
100000

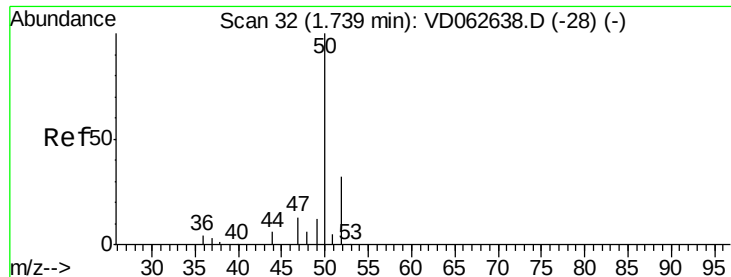
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.105 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

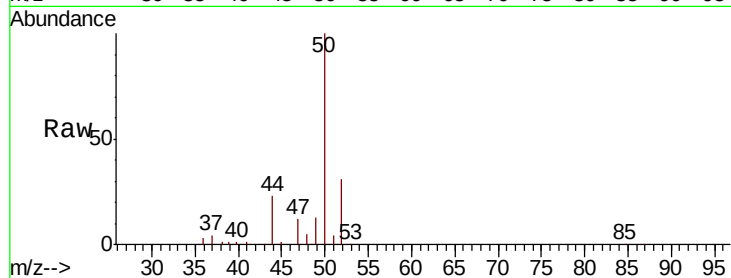
ClientSampleId :

Tot Ion: 50 Resp: 323803

Ion Ratio Lower Upper

50 100

52 30.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

60000

40000

20000

0

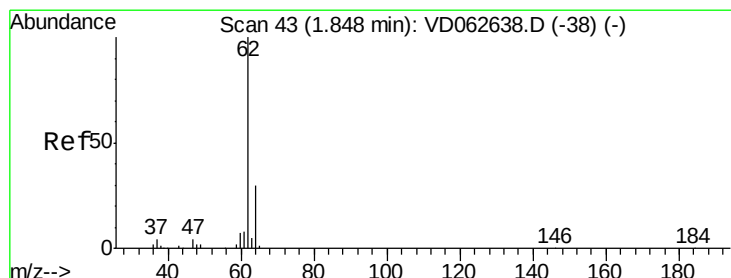
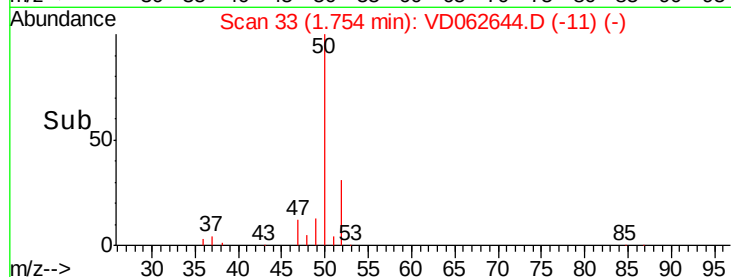
1.60

1.70

1.80

1.90

Time-->



#4

Vinyl Chloride

Concen: 45.174 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062644.D

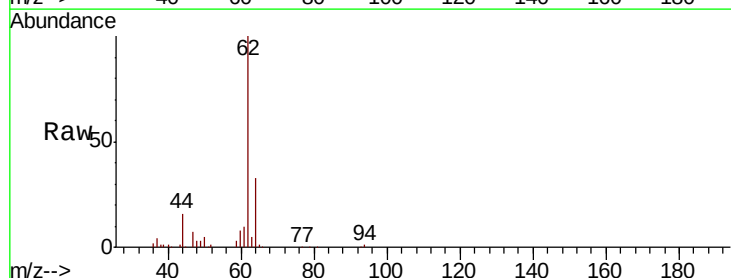
Acq: 7 Jun 2019 17:07

Tgt Ion: 62 Resp: 349925

Ion Ratio Lower Upper

62 100

64 32.8 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

150000

100000

50000

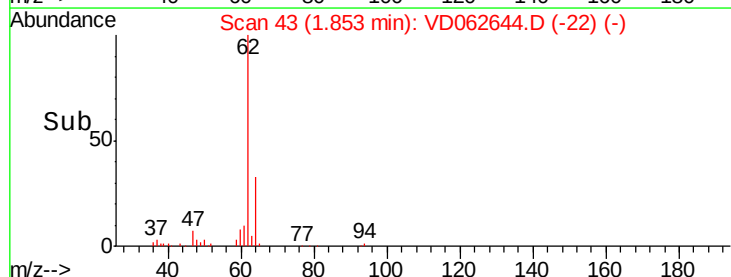
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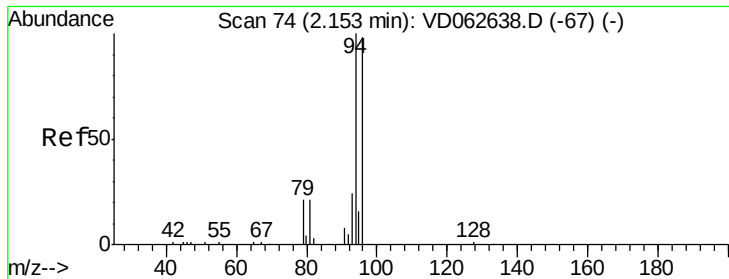
1.80

1.90

2.00

Time-->





#5

Bromomethane

Concen: 49.983 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

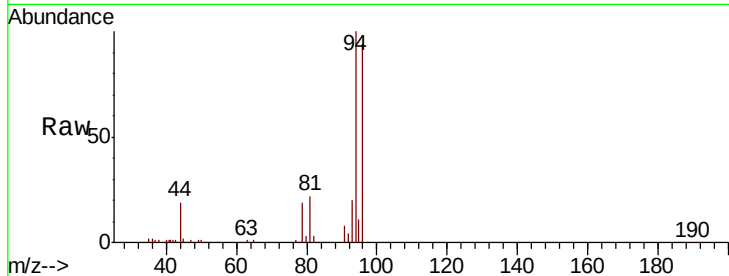
Tot Ion: 94 Resp: 195434

Ion Ratio Lower Upper

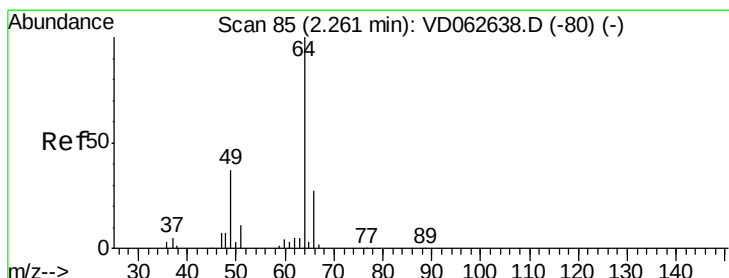
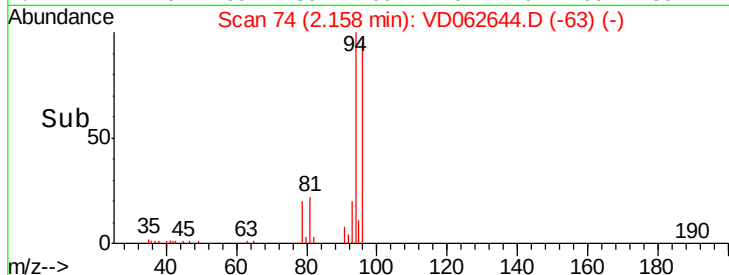
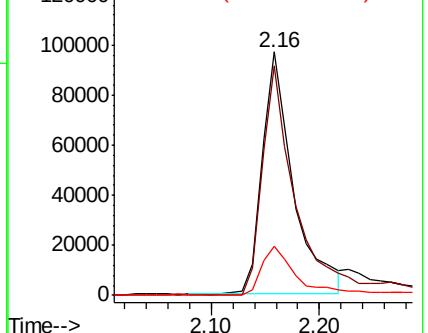
94 100

96 94.3 78.1 117.1

93 20.0 19.6 29.4



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: 48.318 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062644.D

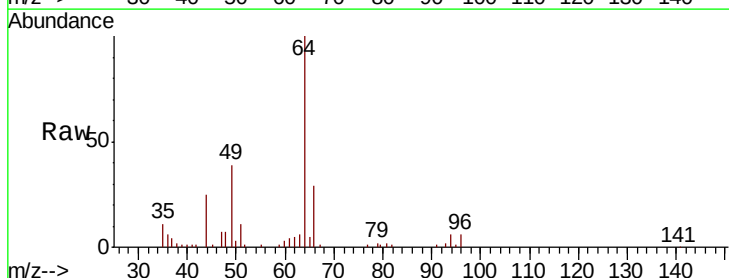
Acq: 7 Jun 2019 17:07

Tgt Ion: 64 Resp: 184785

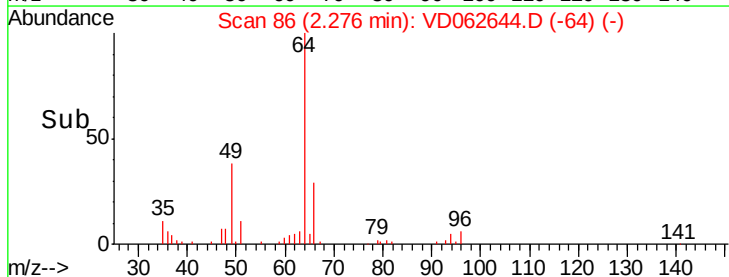
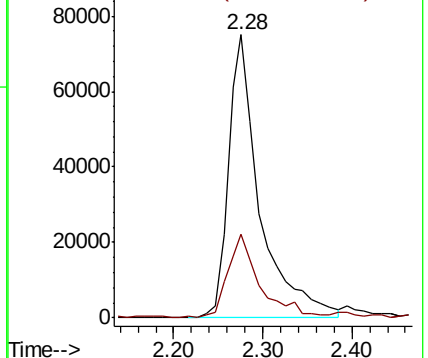
Ion Ratio Lower Upper

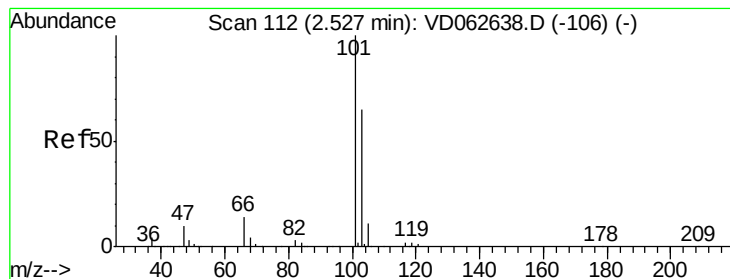
64 100

66 29.4 21.9 32.9



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



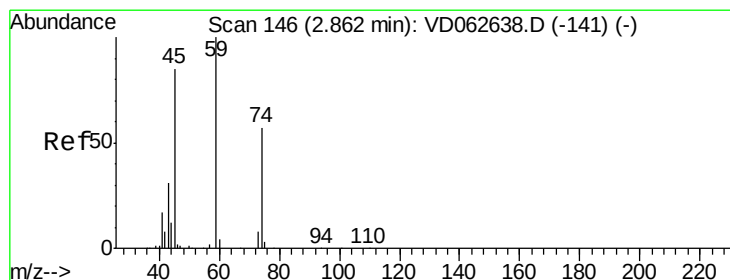
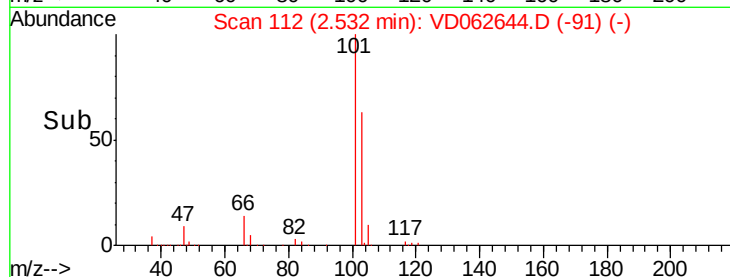
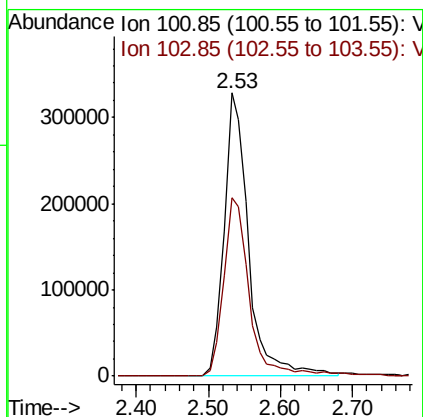
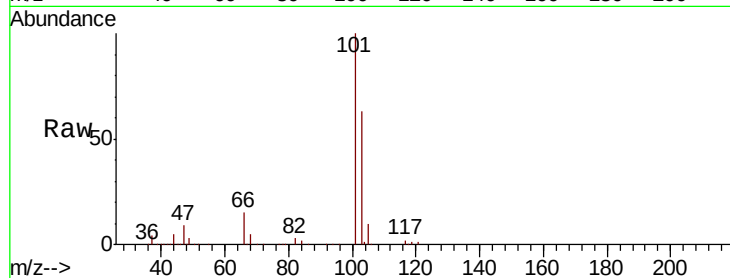


#7

Trichlorofluoromethane
 Concen: 44.448 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :

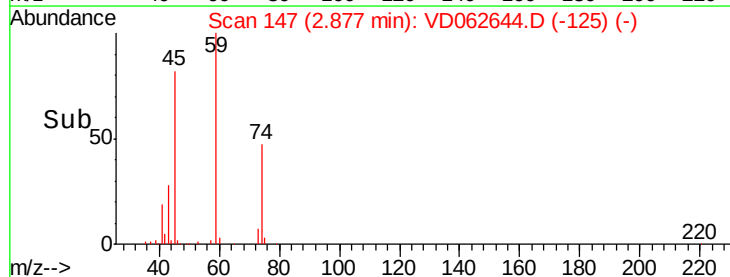
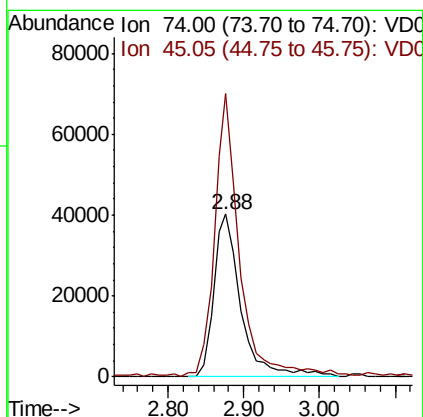
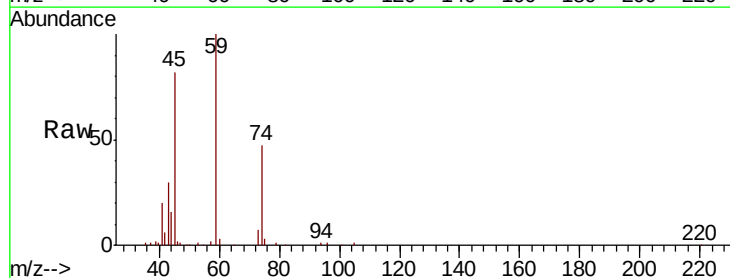
Tot Ion:101 Resp: 770637
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.2 78.2

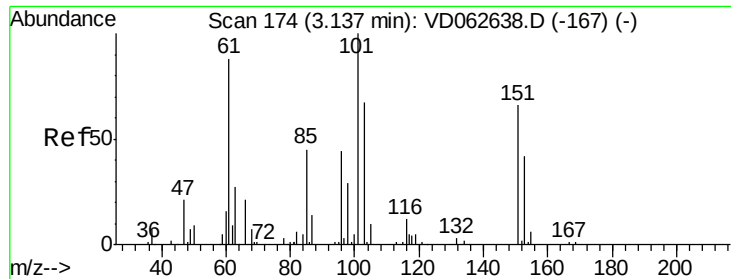


#8

Diethyl Ether
 Concen: 42.576 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 74 Resp: 100399
 Ion Ratio Lower Upper
 74 100
 45 173.9 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.071 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

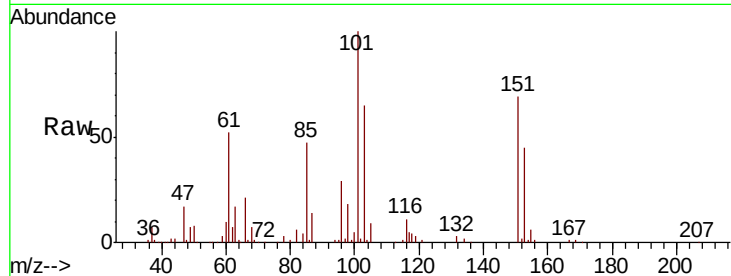
Tot Ion:101 Resp: 449487

Ion Ratio Lower Upper

101 100

85 47.3 36.0 54.0

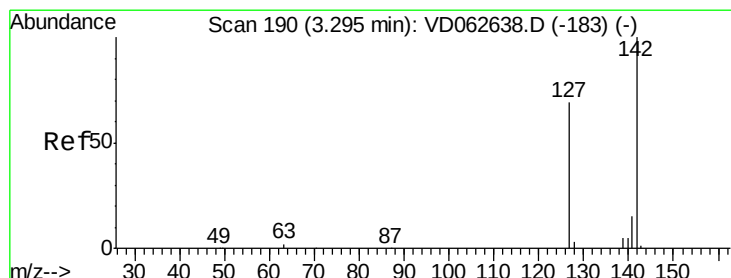
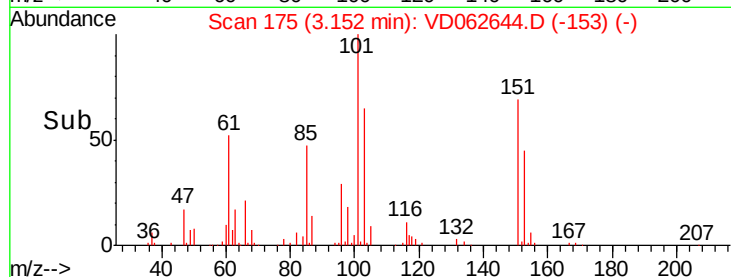
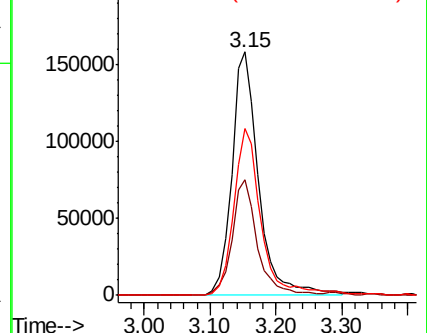
151 68.5 52.6 79.0



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: 43.816 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

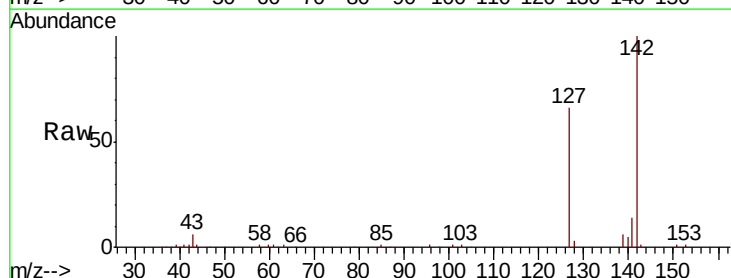
Tgt Ion:142 Resp: 587417

Ion Ratio Lower Upper

142 100

127 65.8 55.2 82.8

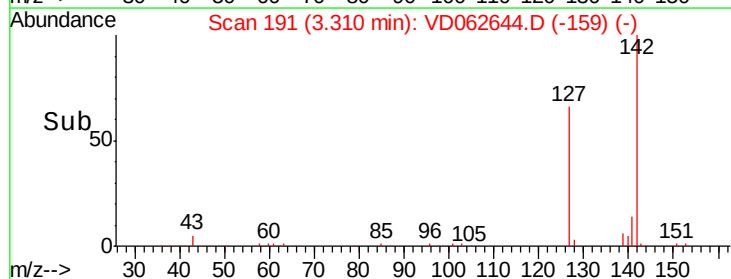
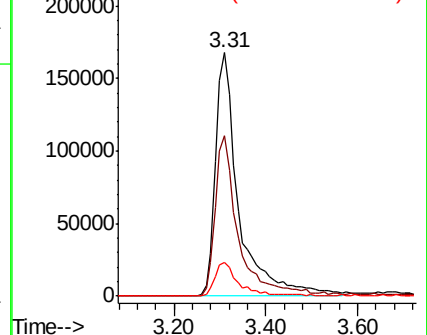
141 14.0 12.1 18.1

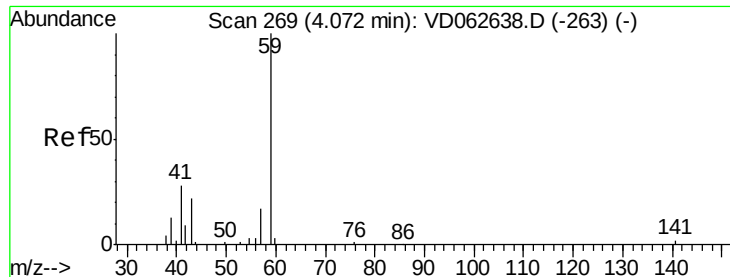


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



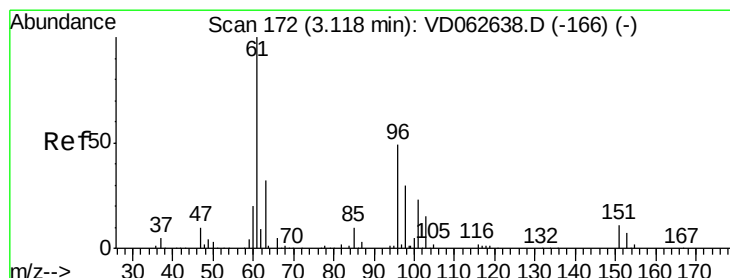
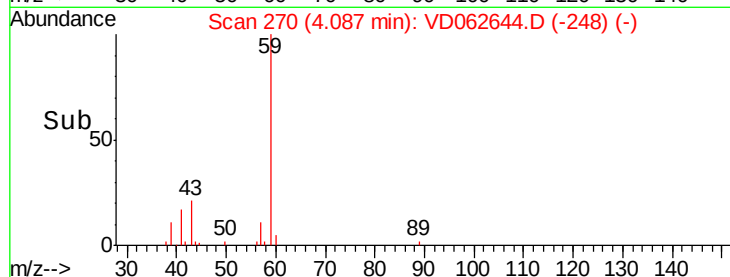
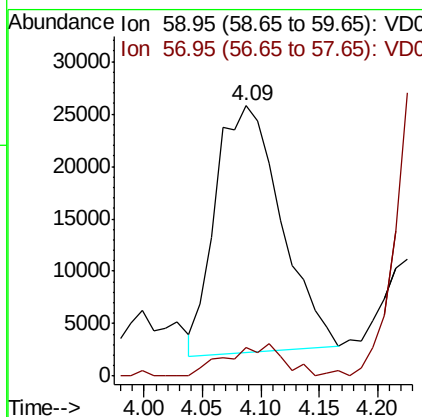
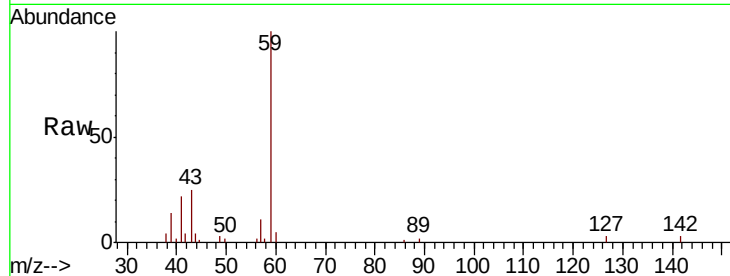


#11

Tert butyl alcohol
 Concen: 203.715 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampled :

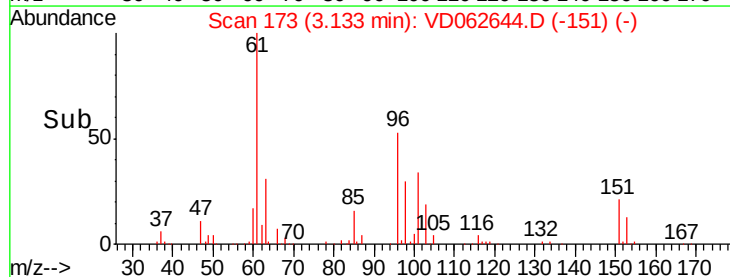
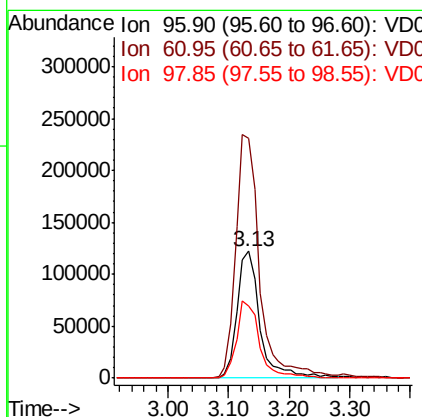
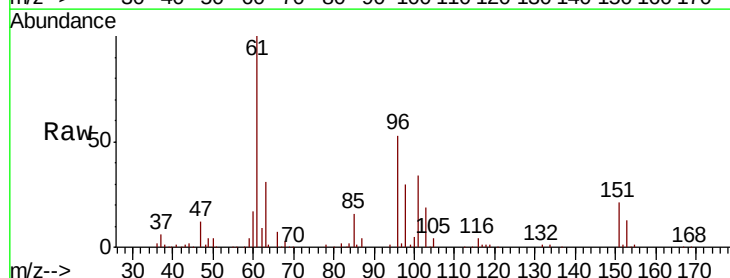
Tot Ion: 59 Resp: 91735
 Ion Ratio Lower Upper
 59 100
 57 10.6 13.7 20.5#

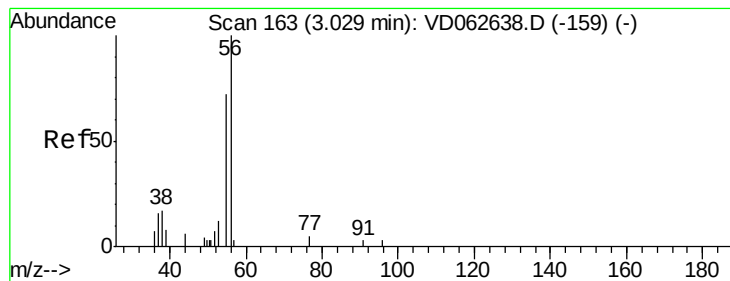


#12

1,1-Dichloroethene
 Concen: 48.281 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 96 Resp: 323978
 Ion Ratio Lower Upper
 96 100
 61 189.0 161.8 242.8
 98 57.2 48.2 72.4





#13

Acrolein

Concen: 232.708 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

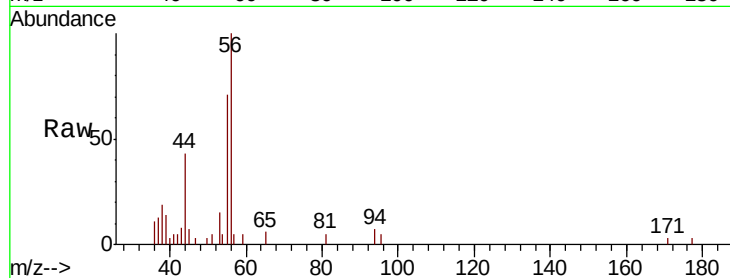
ClientSampled :

Tot Ion: 56 Resp: 33708

Ion Ratio Lower Upper

56 100

55 70.8 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

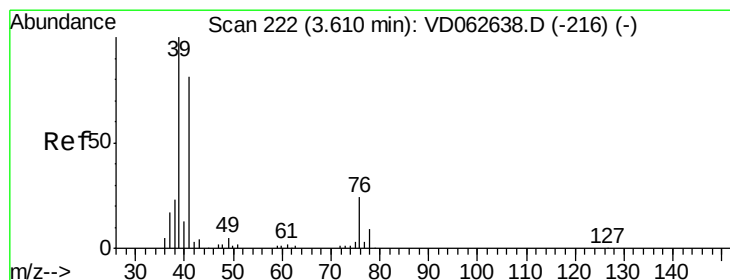
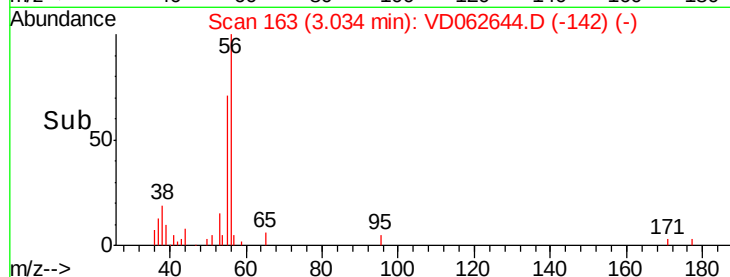
3.03

10000

5000

0

Time--> 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.738 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

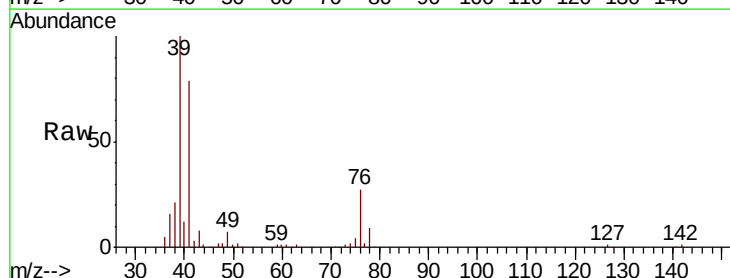
Tgt Ion: 41 Resp: 513174

Ion Ratio Lower Upper

41 100

39 126.2 99.1 148.7

76 34.1 25.0 37.6



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

300000

250000

200000

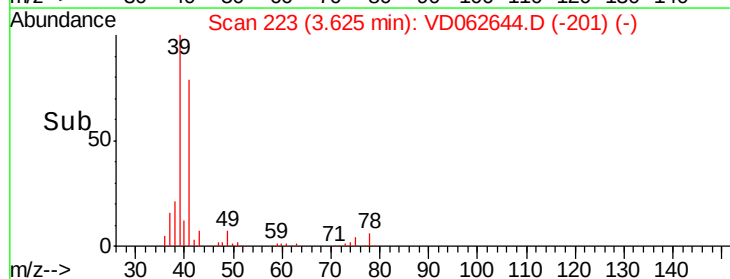
150000

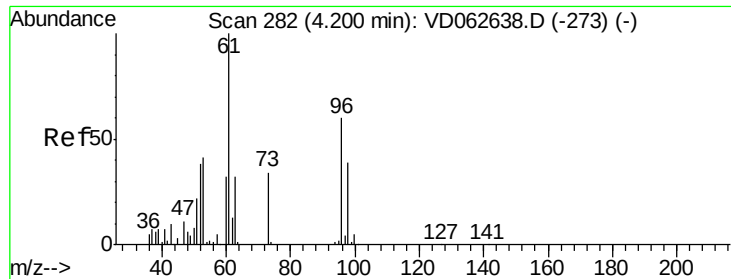
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 249.366 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampled :

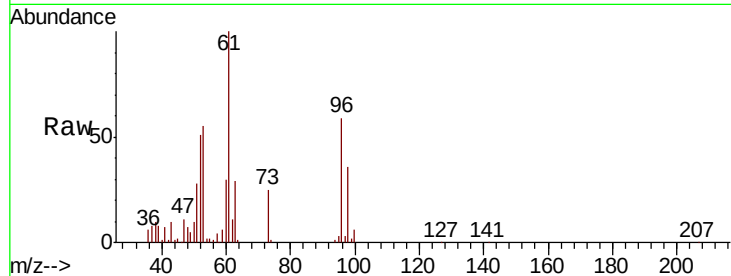
Tot Ion: 53 Resp: 255174

Ion Ratio Lower Upper

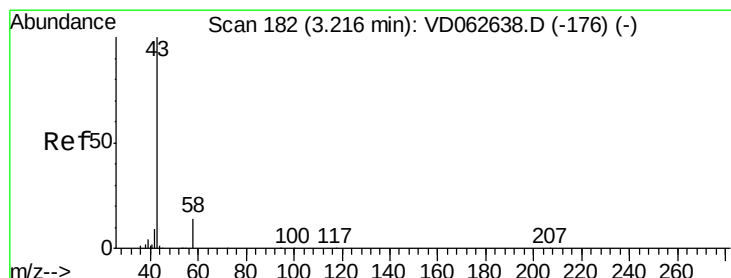
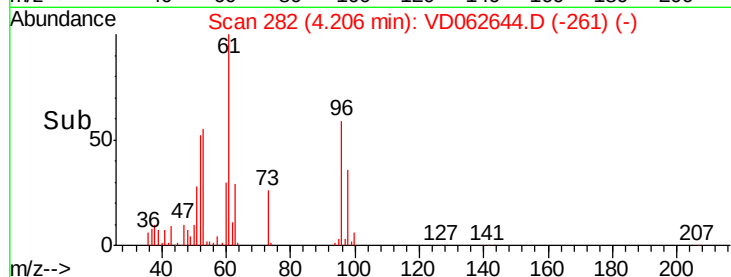
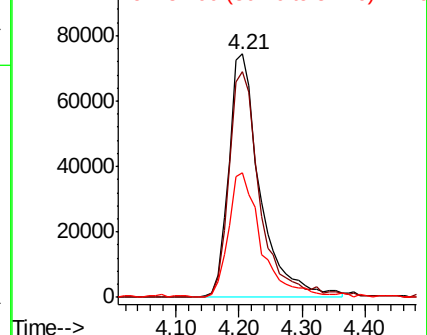
53 100

52 92.7 73.6 110.4

51 51.0 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 253.038 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062644.D

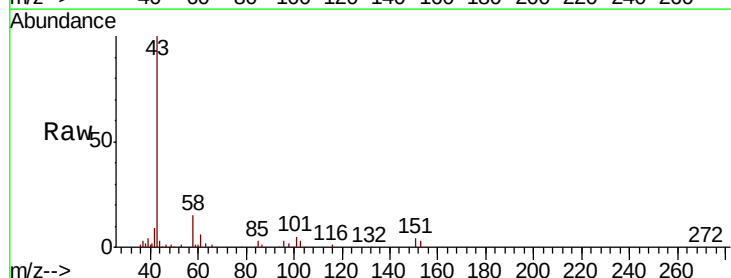
Acq: 7 Jun 2019 17:07

Tgt Ion: 43 Resp: 507609

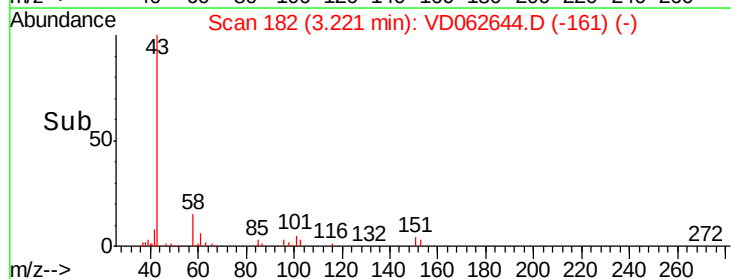
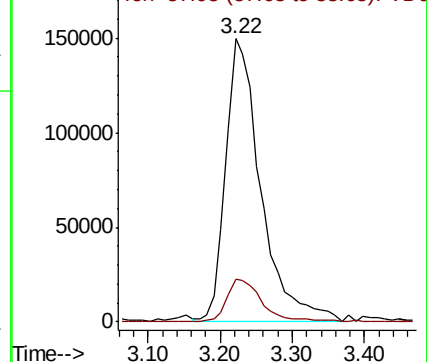
Ion Ratio Lower Upper

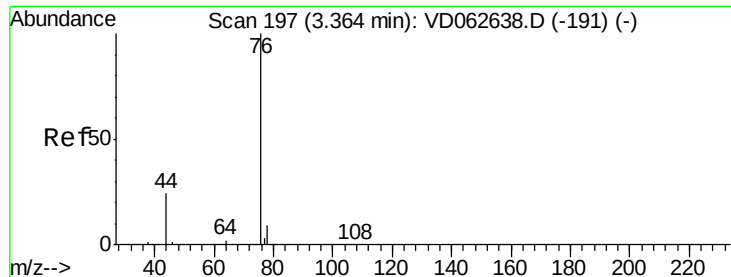
43 100

58 15.1 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

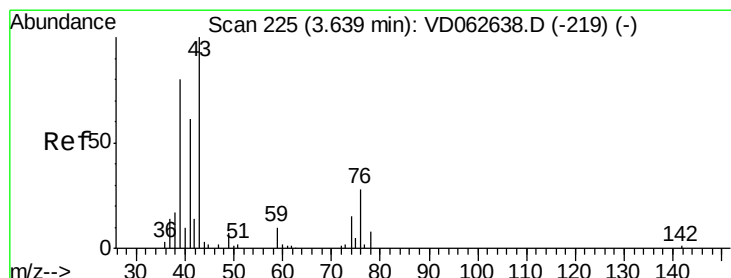
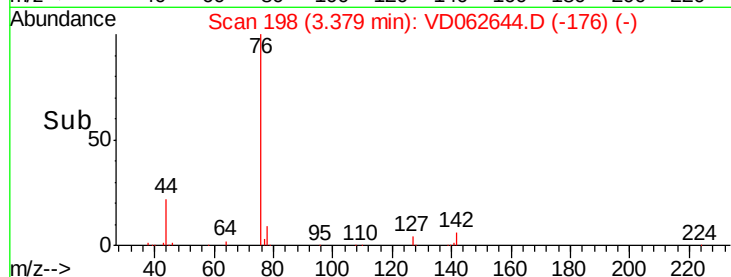
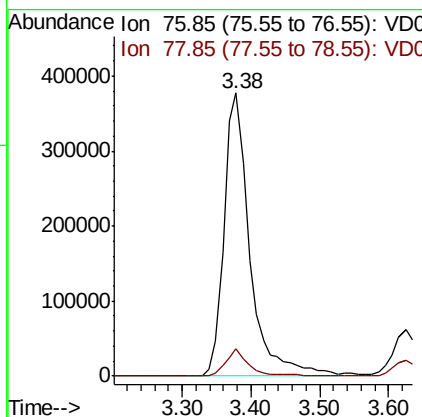
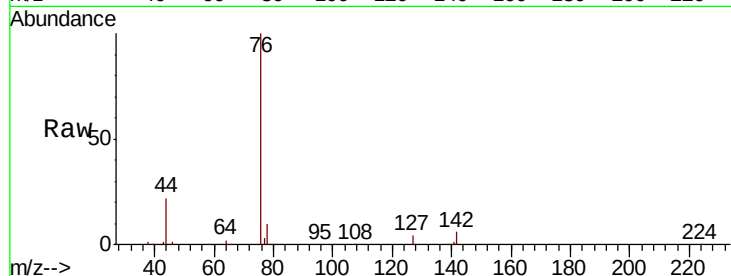




#17
Carbon Disulfide
Concen: 49.444 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

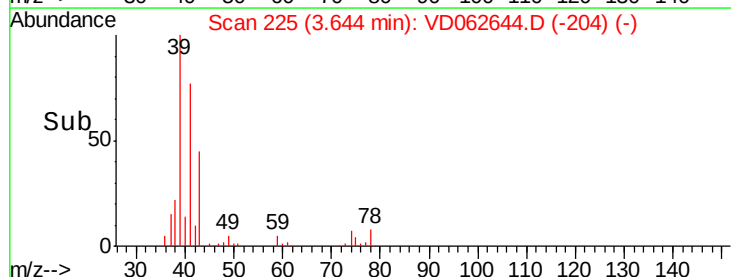
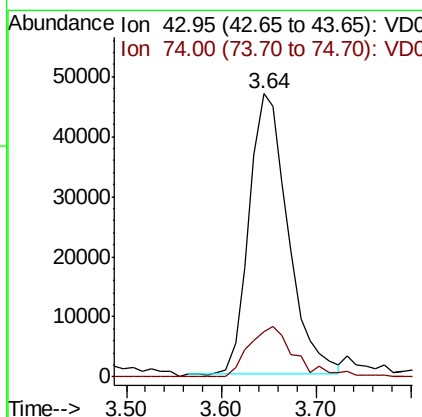
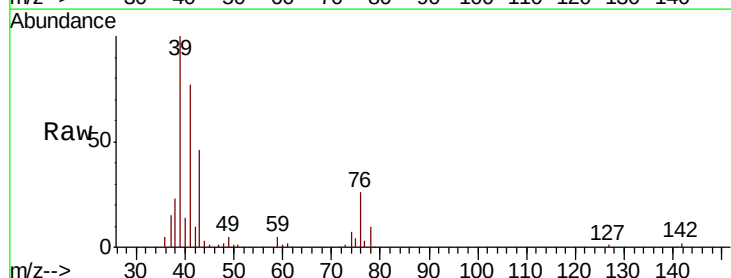
Instrument :
MSVOA_D
ClientSampleId :

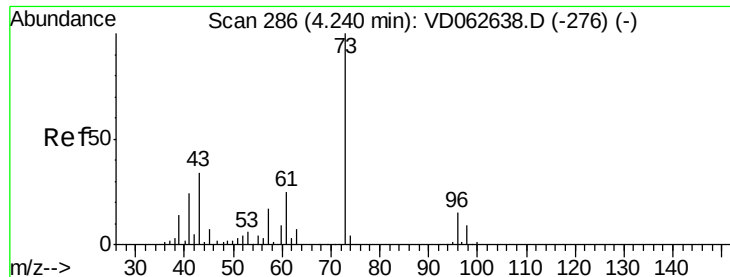
Tot Ion: 76 Resp: 977700
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#18
Methyl Acetate
Concen: 40.487 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 43 Resp: 133476
Ion Ratio Lower Upper
43 100
74 16.1 12.1 18.1

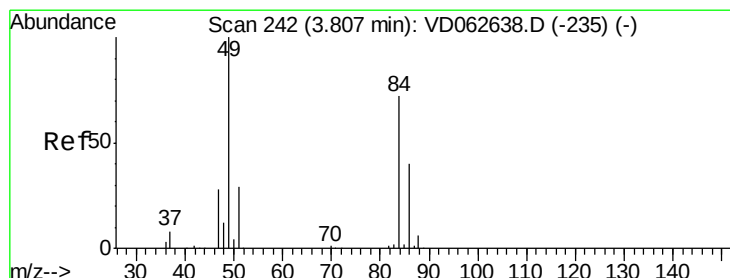
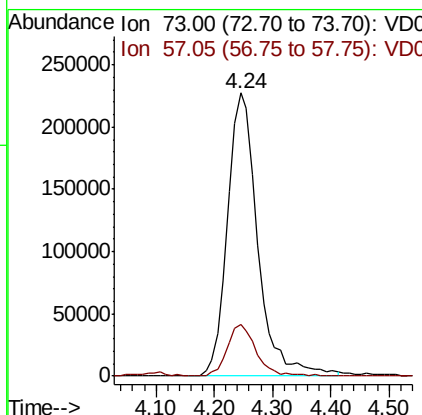
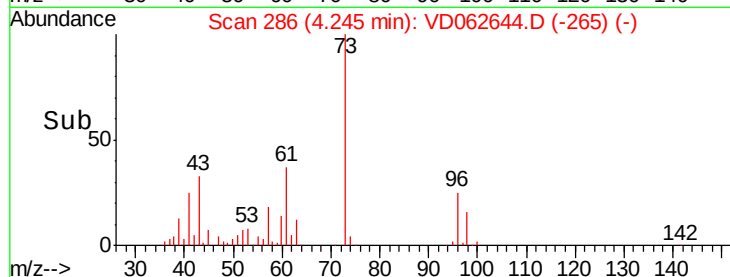
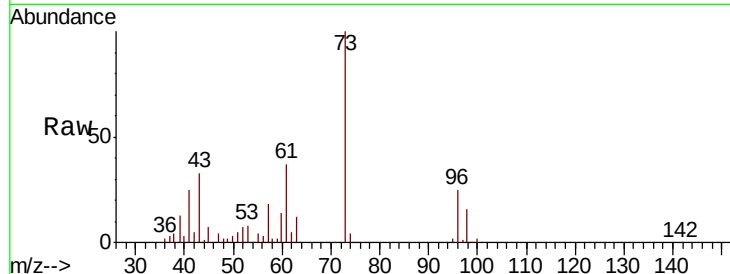




#19
Methyl tert-butyl Ether
Concen: 50.256 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

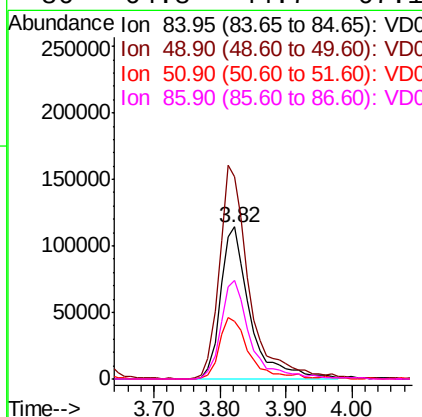
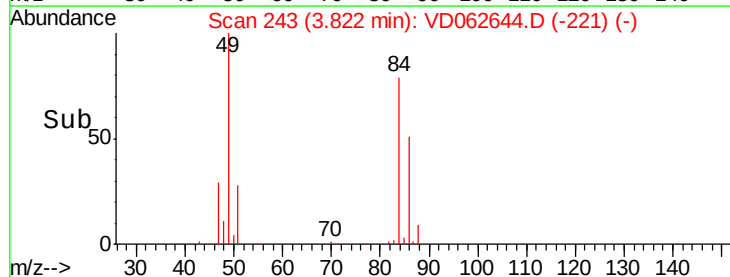
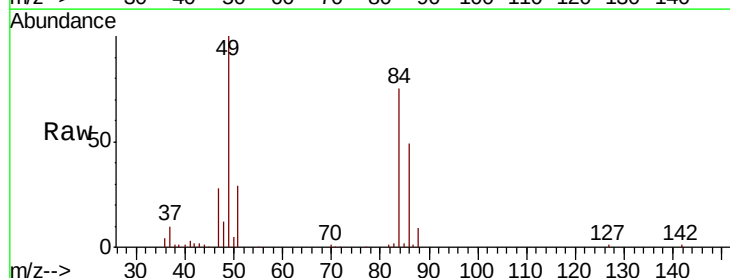
Instrument :
MSVOA_D
ClientSampled :

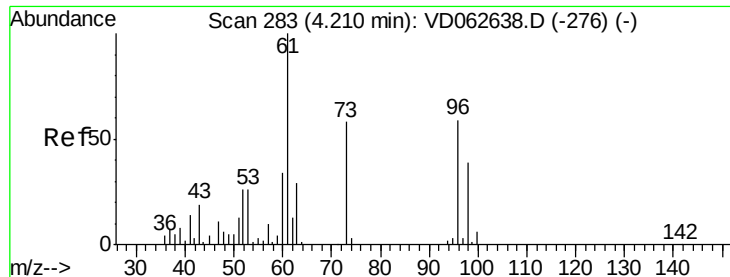
Tot Ion: 73 Resp: 822477
Ion Ratio Lower Upper
73 100
57 18.5 13.5 20.3



#20
Methylene Chloride
Concen: 46.684 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 84 Resp: 354059
Ion Ratio Lower Upper
84 100
49 133.0 111.2 166.8
51 37.9 31.9 47.9
86 64.8 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 49.195 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

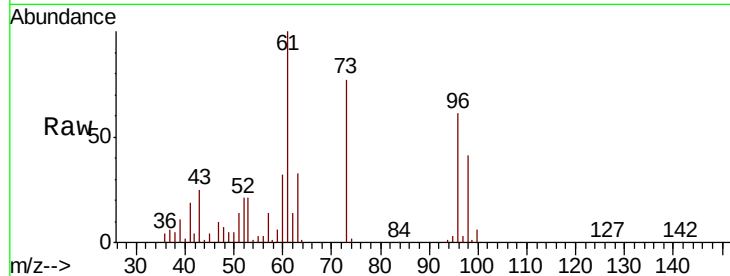
Tot Ion: 96 Resp: 362102

Ion Ratio Lower Upper

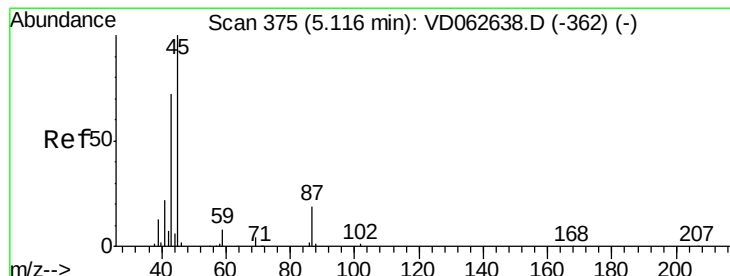
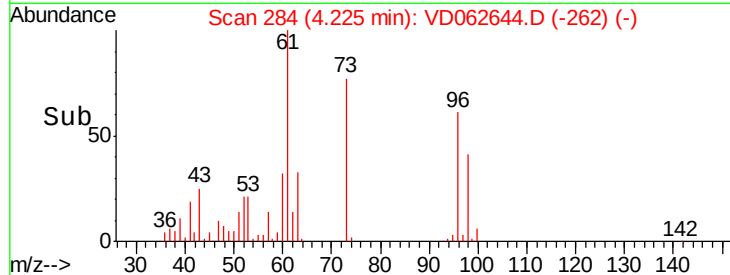
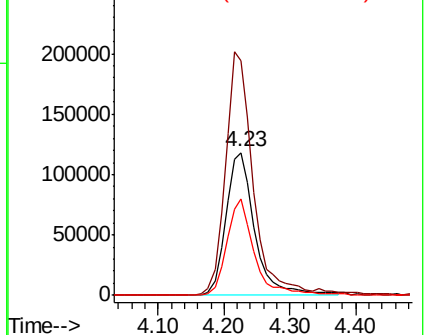
96 100

61 164.4 134.6 201.8

98 67.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 50.955 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Tgt Ion: 45 Resp: 1091642

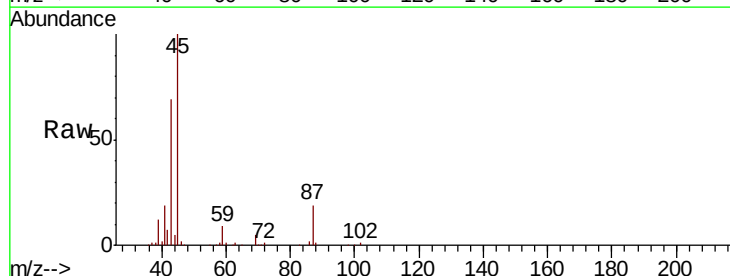
Ion Ratio Lower Upper

45 100

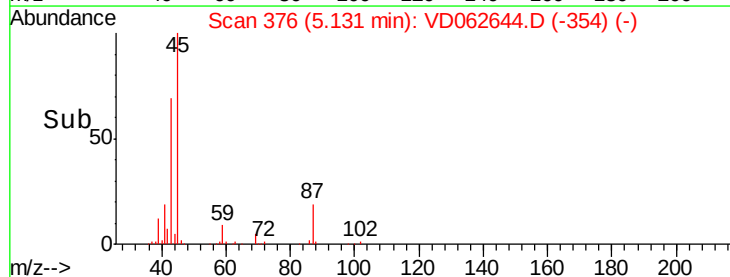
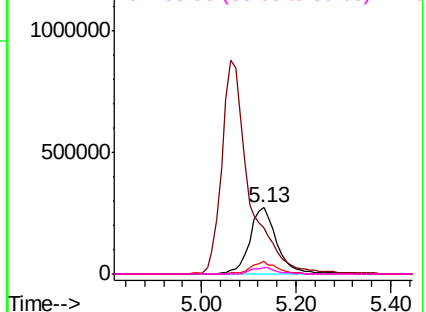
43 69.4 58.8 88.2

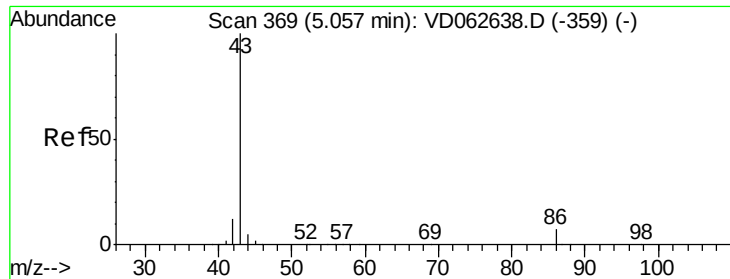
87 18.6 15.7 23.5

59 9.2 6.6 9.8



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: 262.841 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

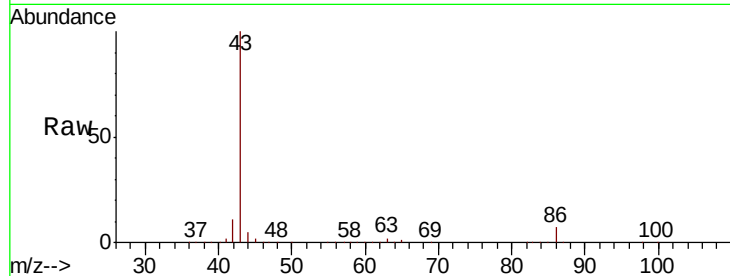
ClientSampleId :

Tot Ion: 43 Resp: 3493356

Ion Ratio Lower Upper

43 100

86 6.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

800000

600000

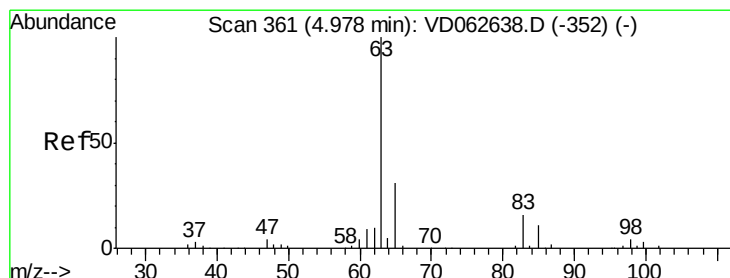
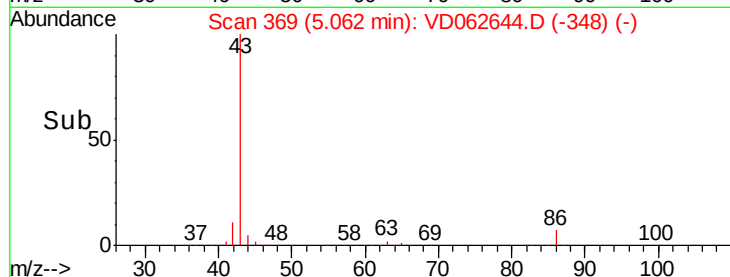
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 50.083 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

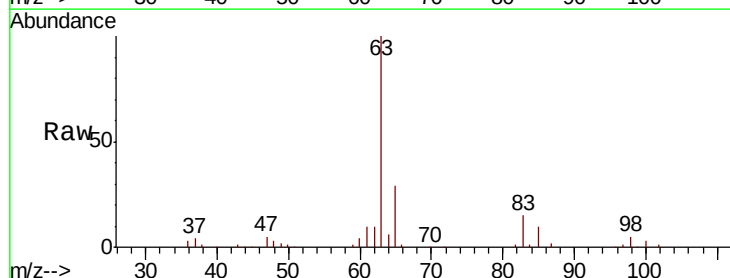
Tgt Ion: 63 Resp: 690250

Ion Ratio Lower Upper

63 100

98 4.6 1.8 5.4

100 3.4 1.5 4.4



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

250000

200000

150000

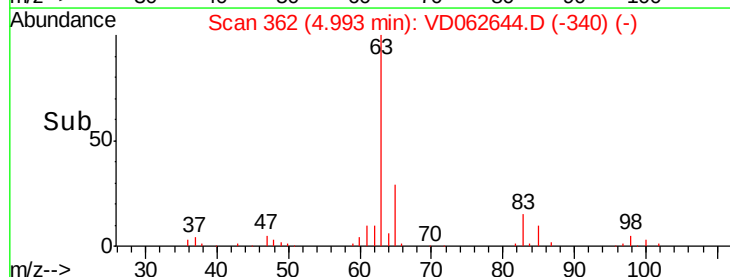
100000

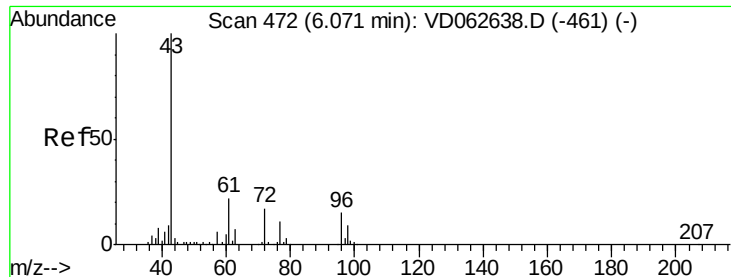
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 252.584 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

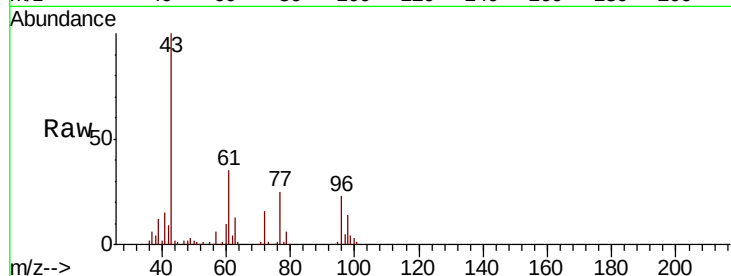
ClientSampleId :

Tot Ion: 43 Resp: 494327

Ion Ratio Lower Upper

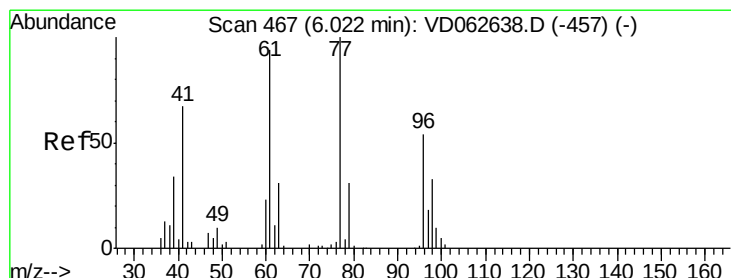
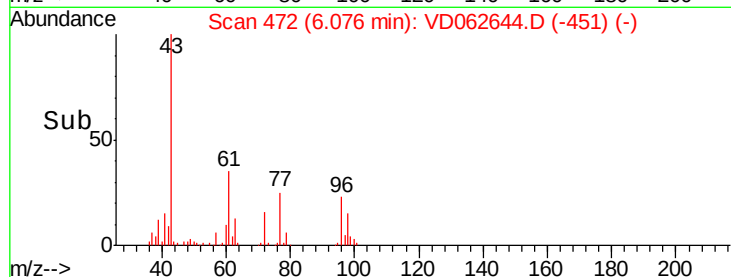
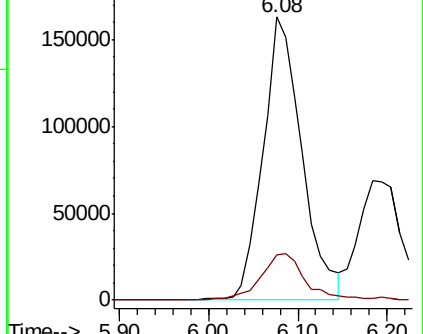
43 100

72 16.2 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.896 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD062644.D

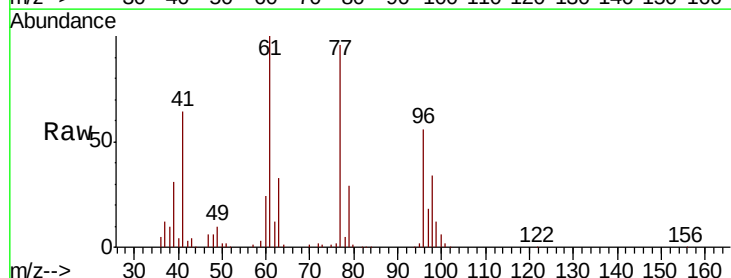
Acq: 7 Jun 2019 17:07

Tgt Ion: 77 Resp: 760786

Ion Ratio Lower Upper

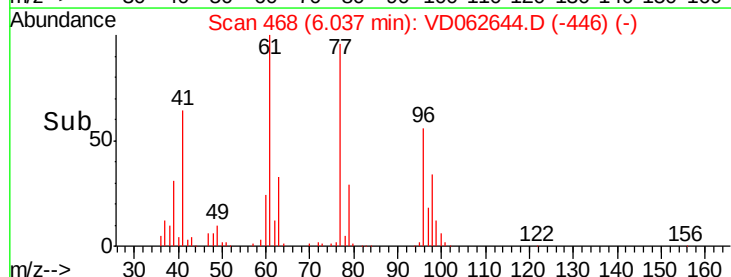
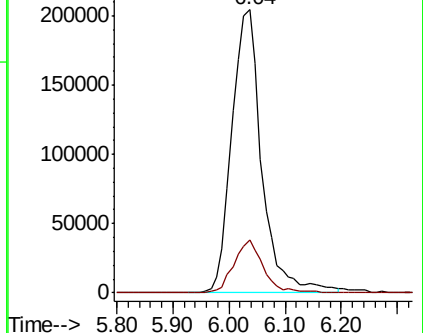
77 100

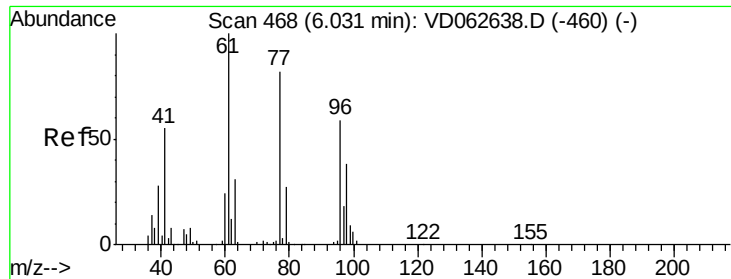
97 18.9 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

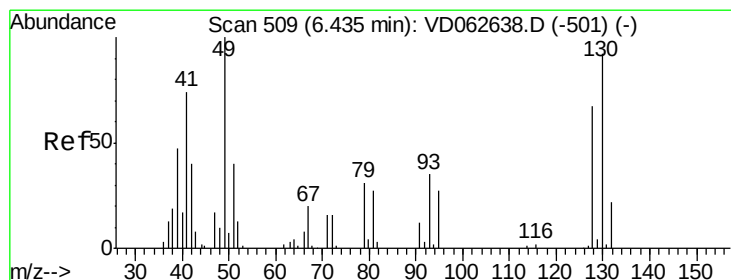
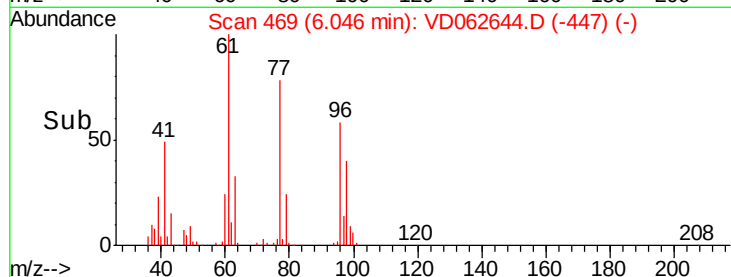
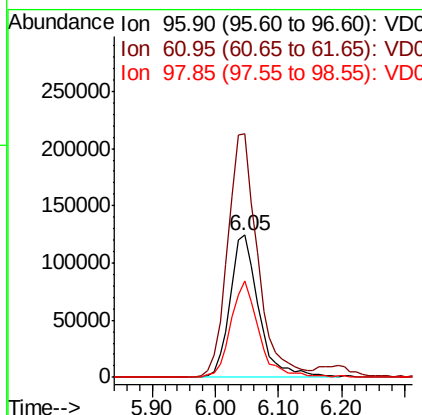
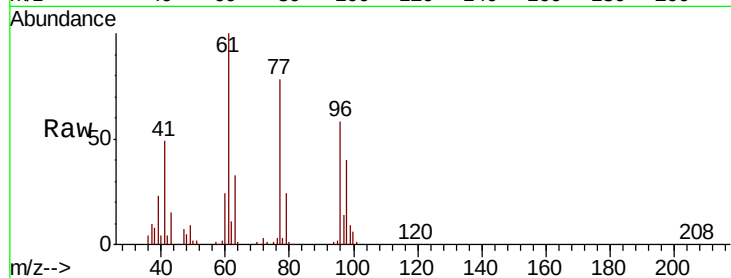




#27
 cis-1,2-Dichloroethene
 Concen: 49.178 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

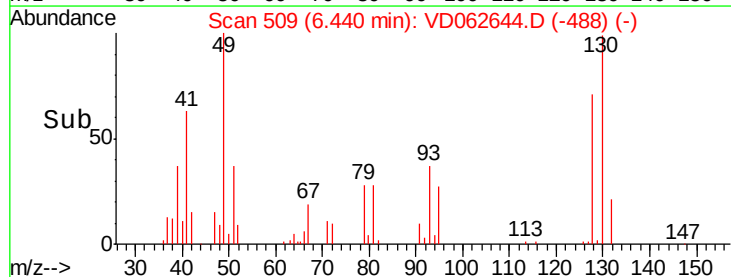
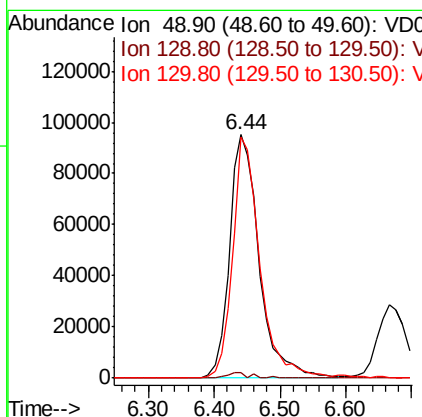
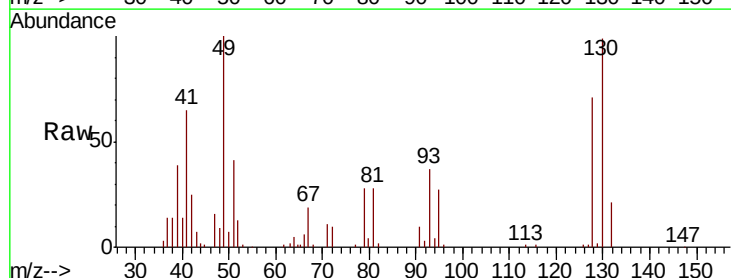
Instrument :
 MSVOA_D
 ClientSampled :

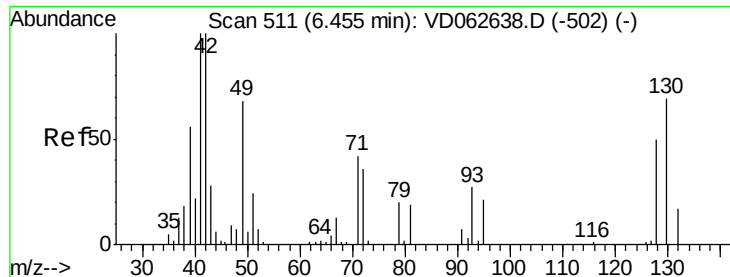
Tot Ion: 96 Resp: 392414
 Ion Ratio Lower Upper
 96 100
 61 171.0 0.0 340.0
 98 68.2 0.0 127.6



#28
 Bromochloromethane
 Concen: 56.999 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 49 Resp: 300293
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 8.2
 130 99.2 73.4 110.0





#29

Tetrahydrofuran

Concen: 242.888 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

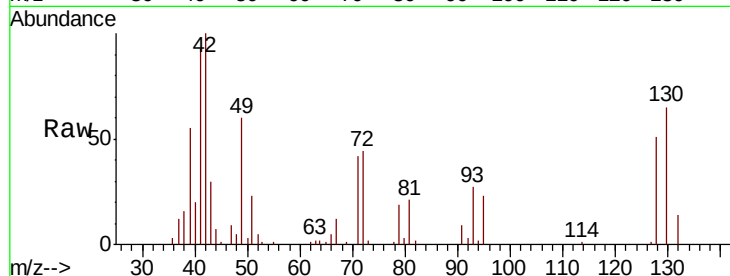
Tot Ion: 42 Resp: 214065

Ion Ratio Lower Upper

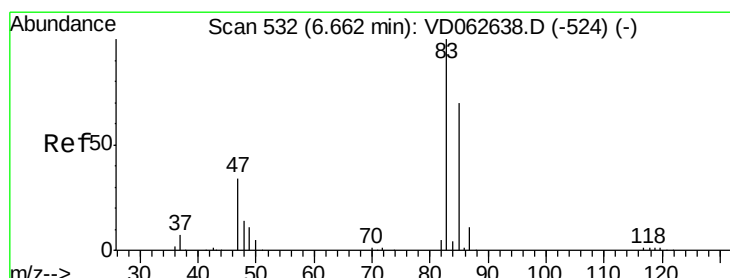
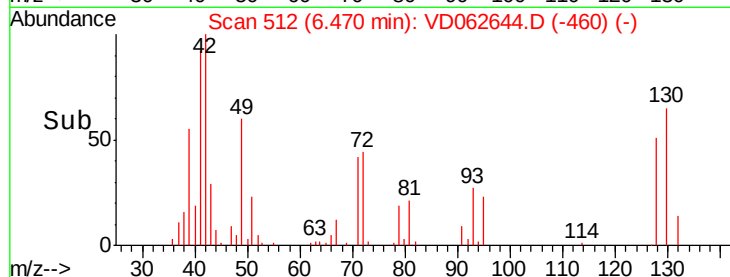
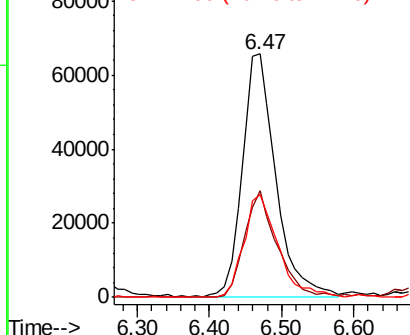
42 100

72 42.3 33.8 50.6

71 43.1 34.2 51.4



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: 49.622 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD062644.D

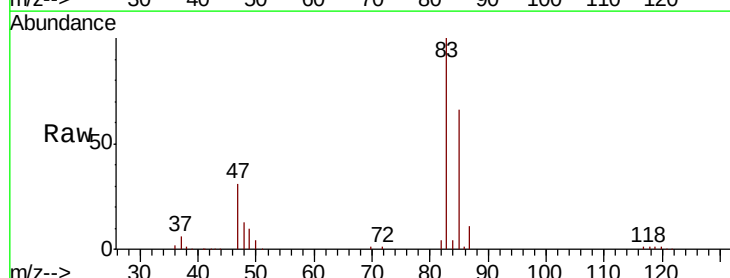
Acq: 7 Jun 2019 17:07

Tgt Ion: 83 Resp: 877450

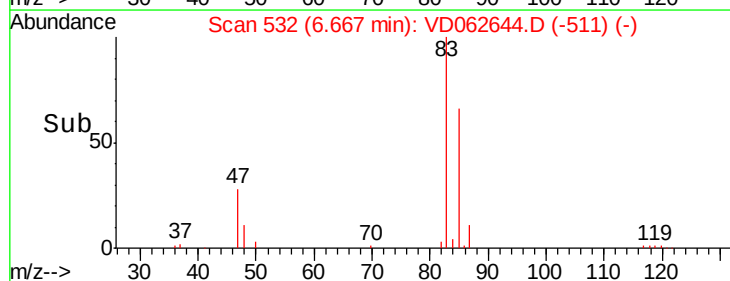
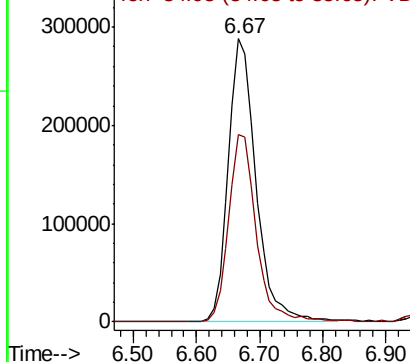
Ion Ratio Lower Upper

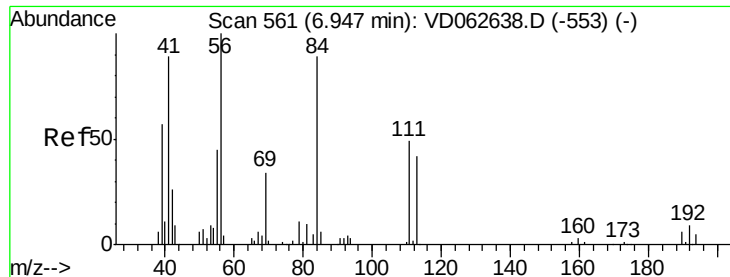
83 100

85 66.2 55.8 83.6



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

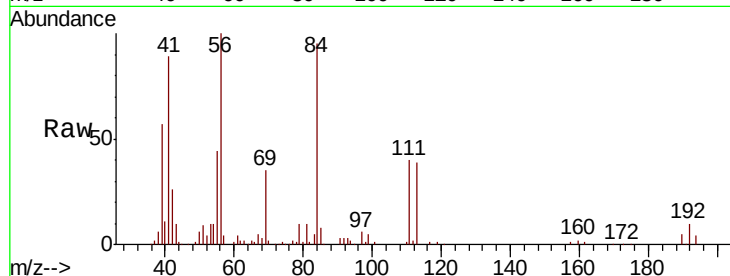




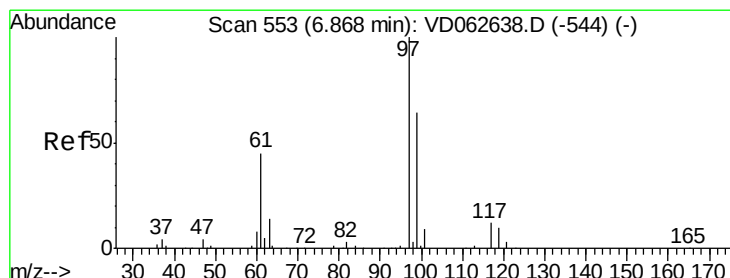
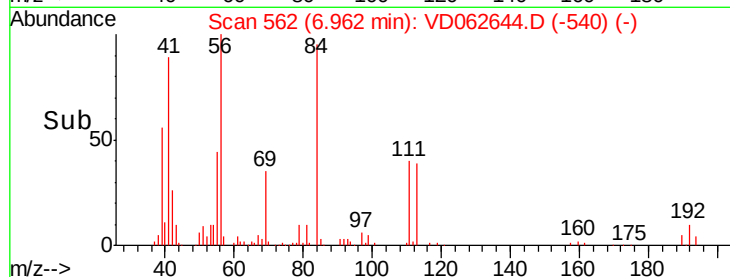
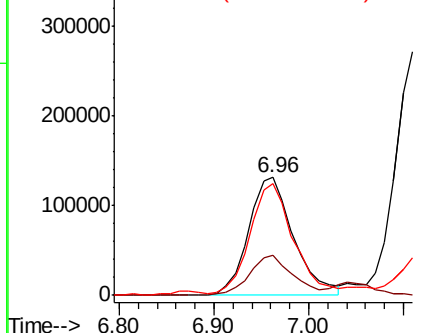
#31
Cyclohexane
Concen: 50.255 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 434473
Ion Ratio Lower Upper
56 100
69 34.6 26.8 40.2
84 95.1 73.9 110.9

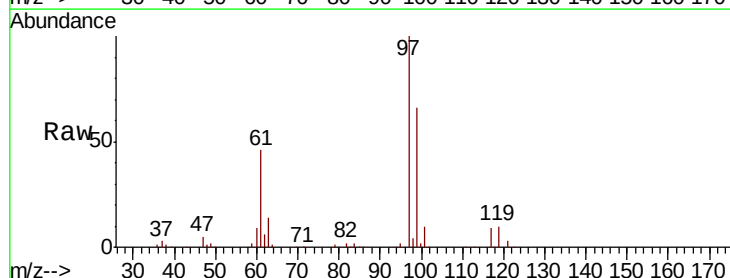


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

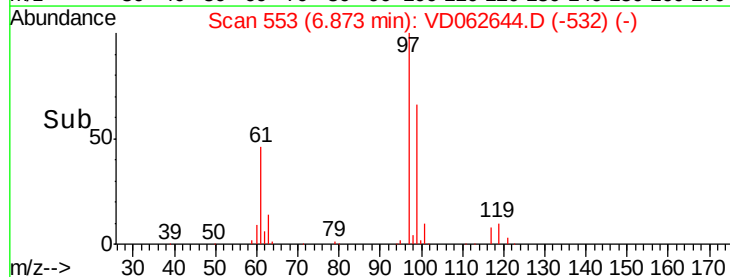
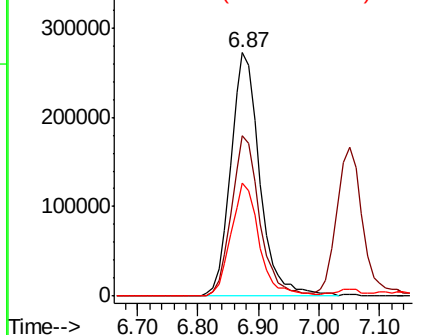


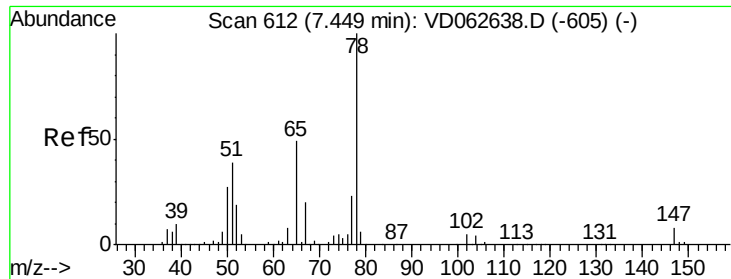
#32
1,1,1-Trichloroethane
Concen: 51.409 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 97 Resp: 904546
Ion Ratio Lower Upper
97 100
99 65.7 51.4 77.0
61 46.3 35.6 53.4



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

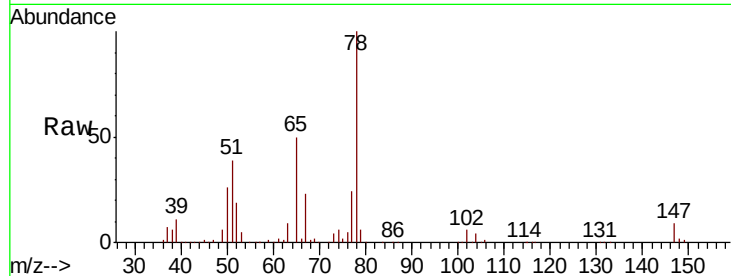




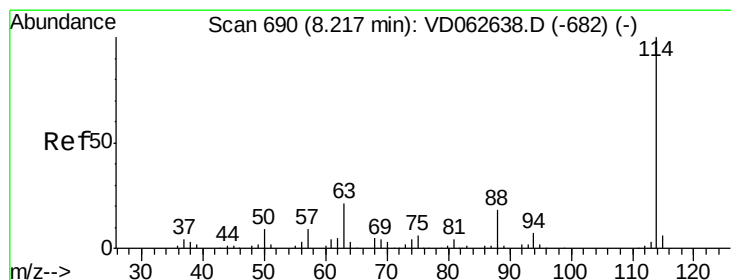
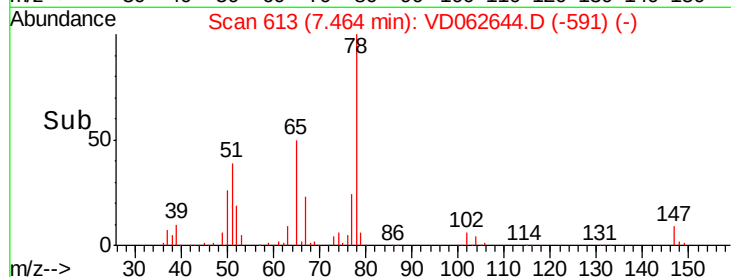
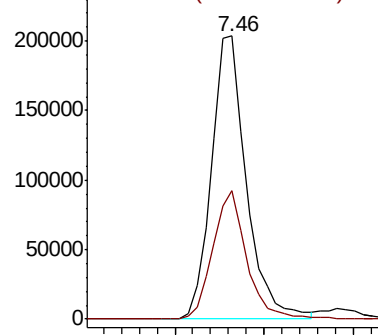
#33
 1,2-Dichloroethane-d4
 Concen: 50.550 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 553779
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 81.8

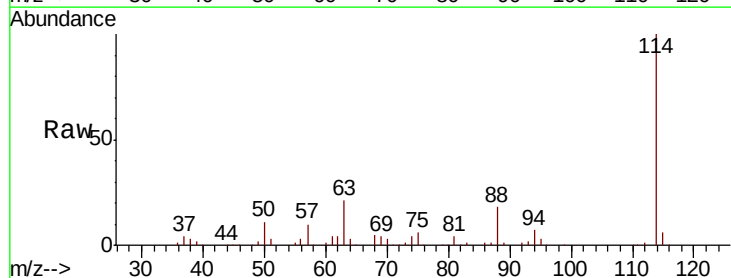


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

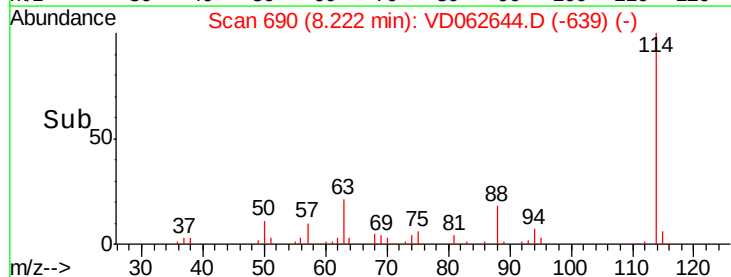
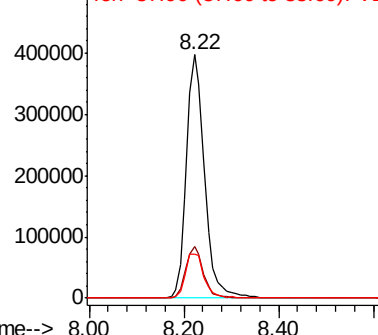


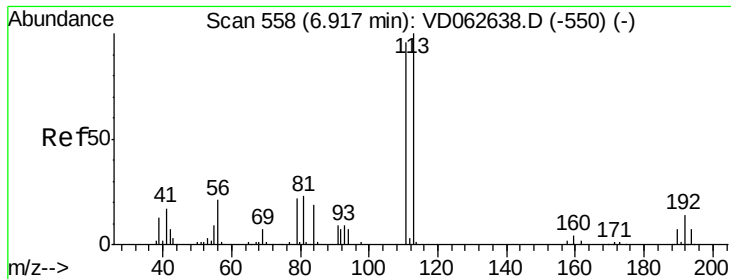
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 114 Resp: 1057024
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 18.0 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.684 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

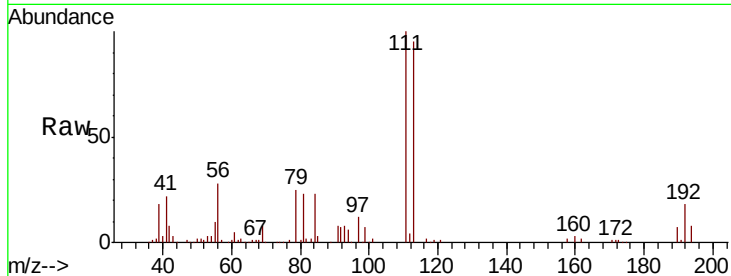
Tot Ion:113 Resp: 565010

Ion	Ratio	Lower	Upper
113	100		
111	105.1	76.4	114.6
192	18.8	11.4	17.0

113 100

111 105.1 76.4 114.6

192 18.8 11.4 17.0

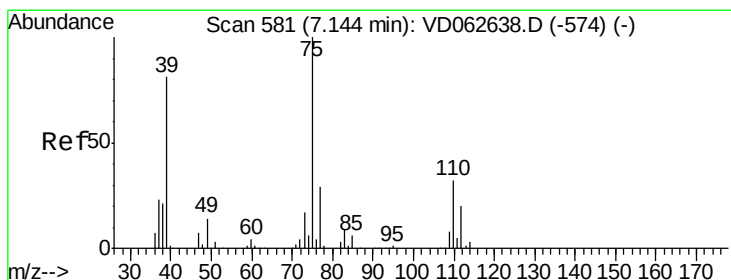
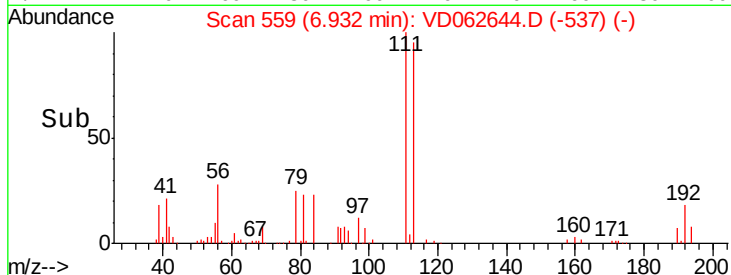
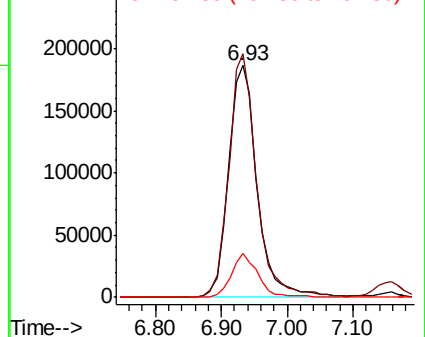


Abundance

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: 48.766 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

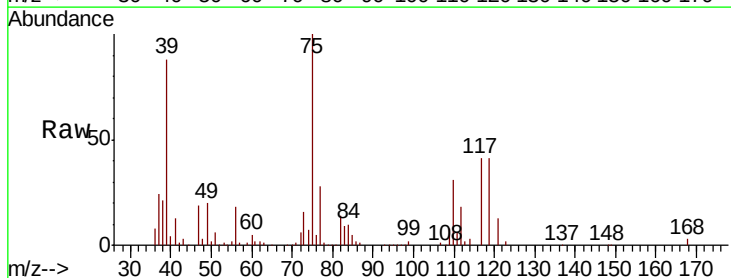
Tgt Ion: 75 Resp: 589955

Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.9	47.7
77	28.3	23.3	34.9

75 100

110 31.1 15.9 47.7

77 28.3 23.3 34.9

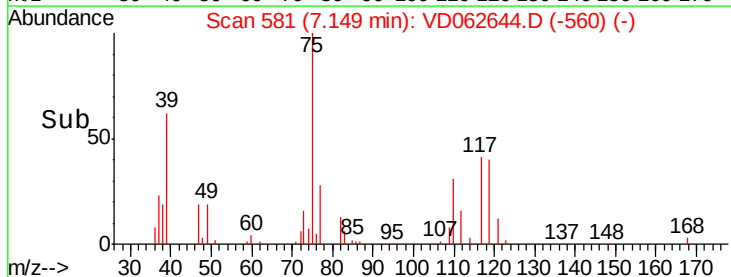
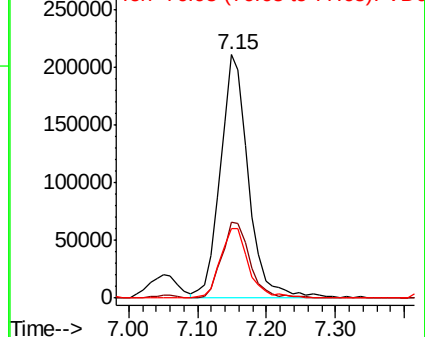


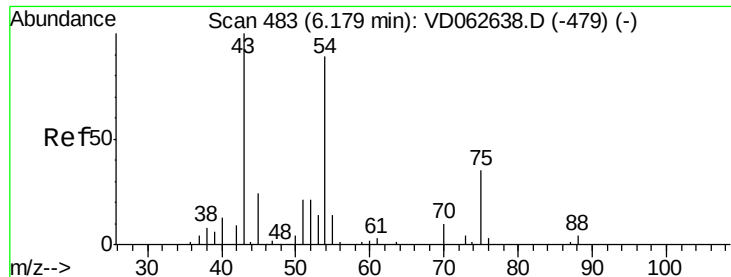
Abundance

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

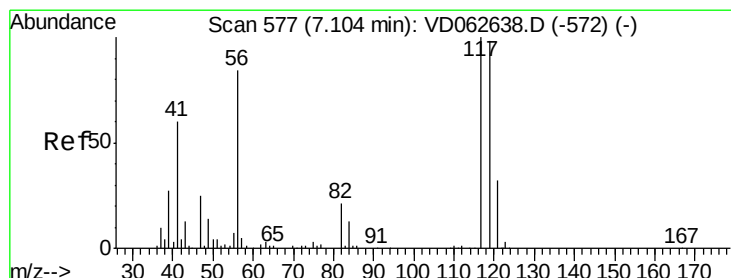
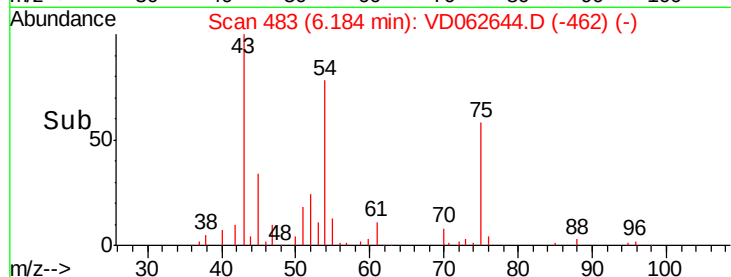
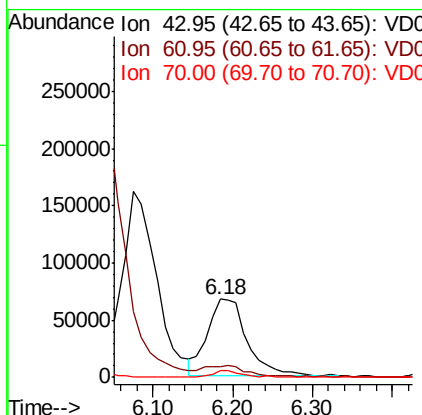
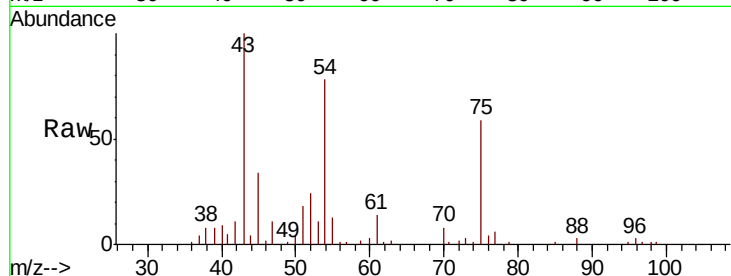




#37
Ethyl Acetate
Concen: 46.145 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

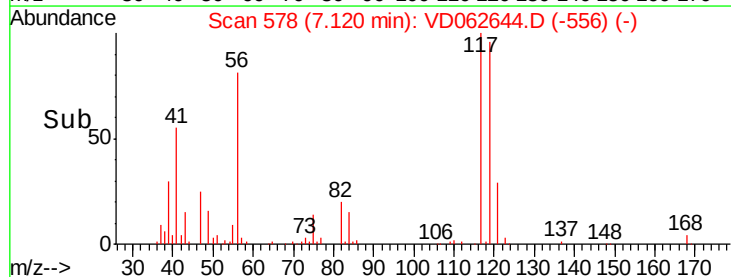
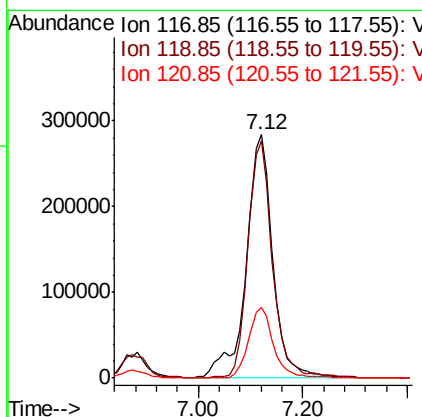
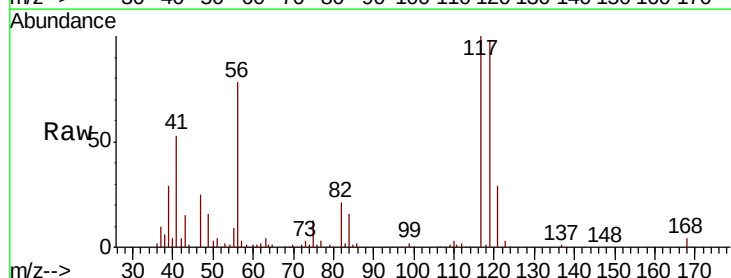
Instrument :
MSVOA_D
ClientSampleID :

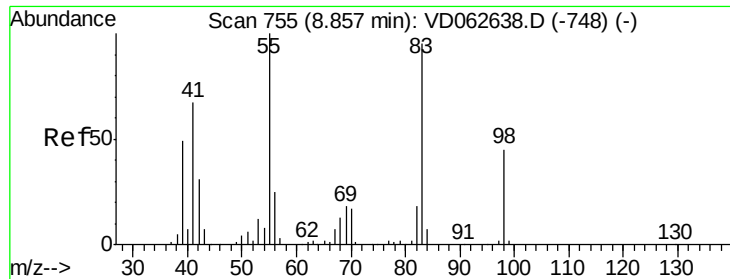
Tot Ion: 43 Resp: 237536
Ion Ratio Lower Upper
43 100
61 14.2 8.7 13.1#
70 9.1 6.5 9.7



#38
Carbon Tetrachloride
Concen: 50.826 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 117 Resp: 971864
Ion Ratio Lower Upper
117 100
119 97.6 73.5 110.3
121 28.9 24.2 36.4

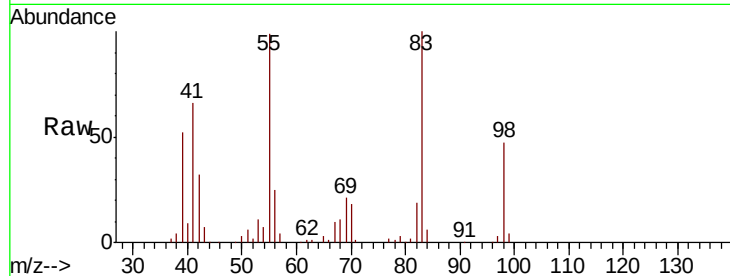




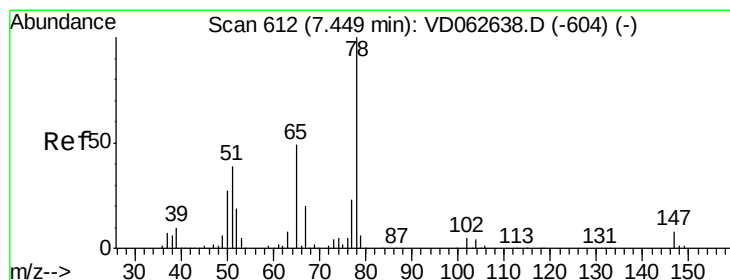
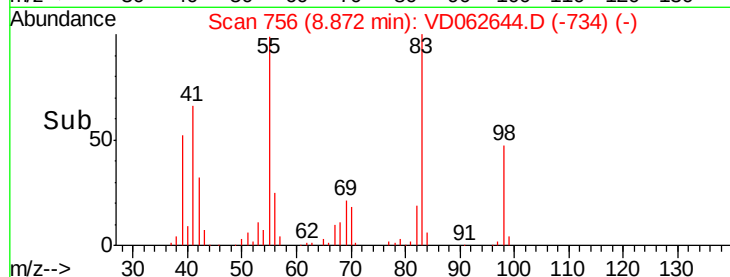
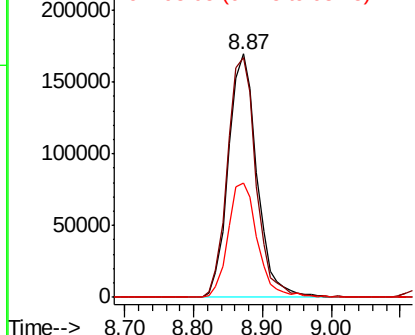
#39
Methylvlcyclohexane
Concen: 49.898 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 487802
Ion Ratio Lower Upper
83 100
55 98.6 84.6 127.0
98 46.9 38.2 57.4

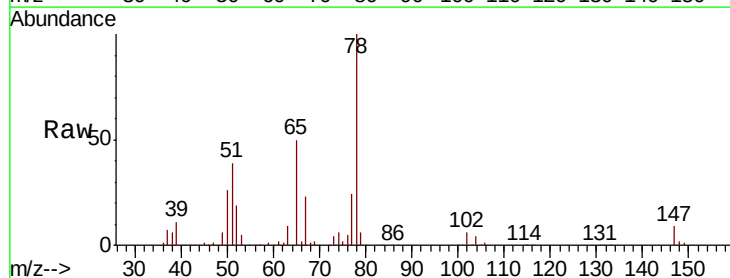


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

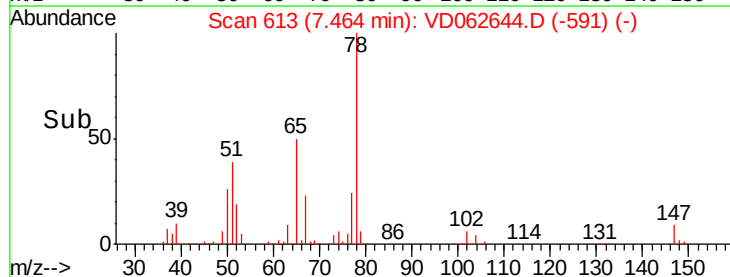
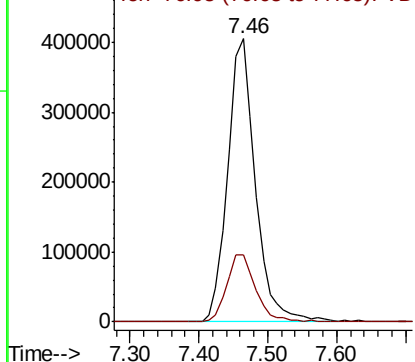


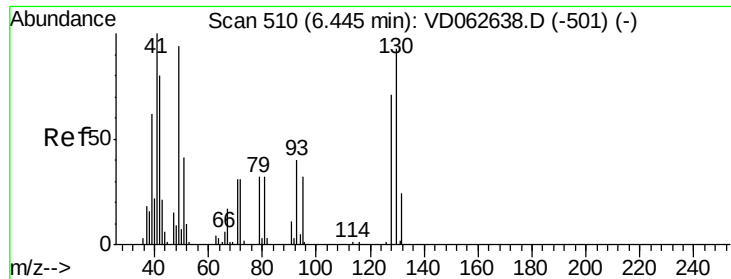
#40
Benzene
Concen: 47.807 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 78 Resp: 1129468
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

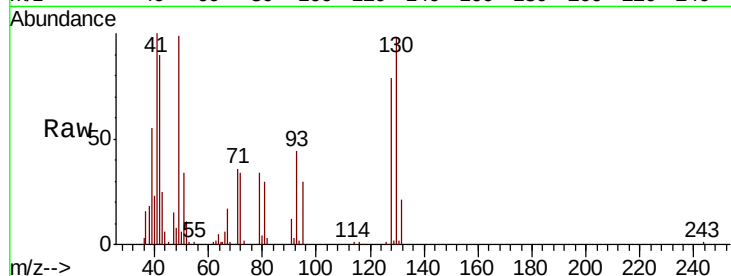




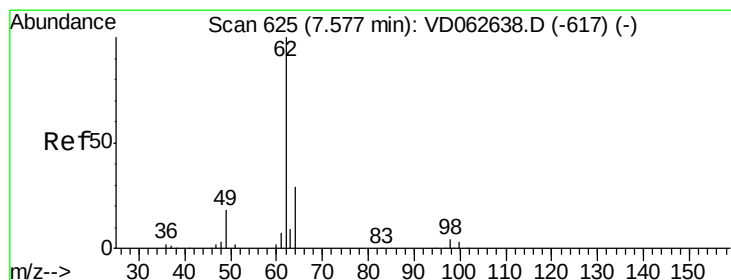
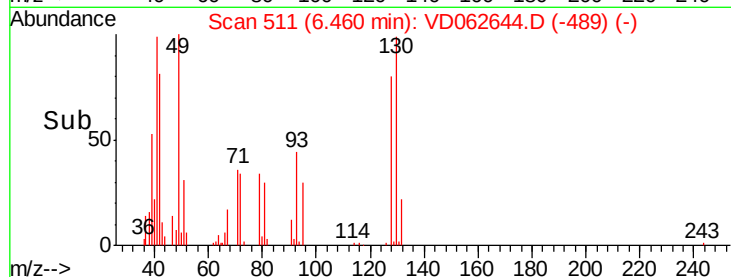
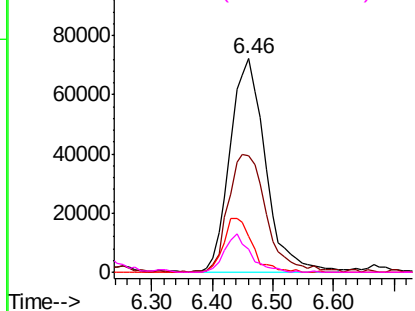
#41
Methacrylonitrile
Concen: 46.597 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	295091
Ion	Ratio	Lower	Upper
41	100		
39	54.8	49.2	73.8
67	16.6	13.9	20.9
52	10.6	7.6	11.4

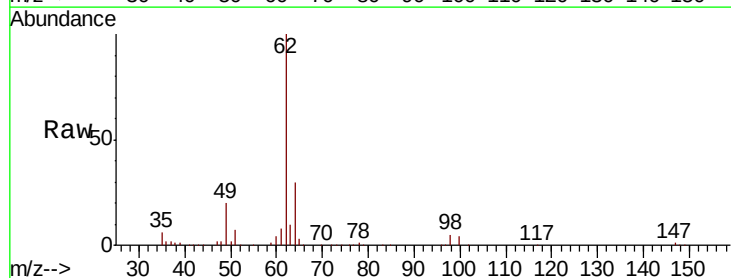


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

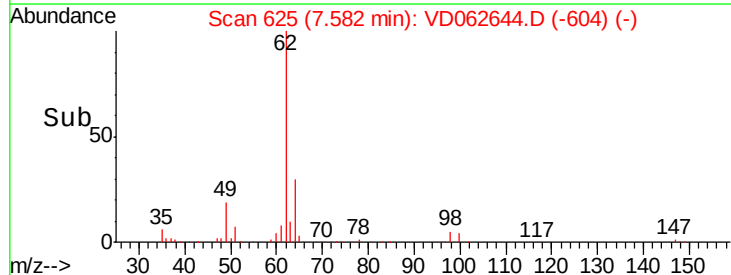
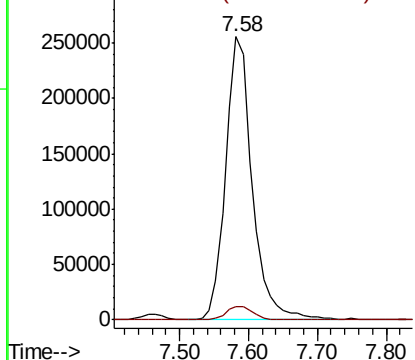


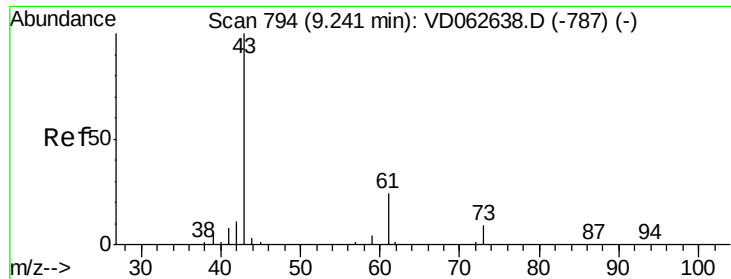
#42
1,2-Dichloroethane
Concen: 48.596 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:	62	Resp:	684315
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.806 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

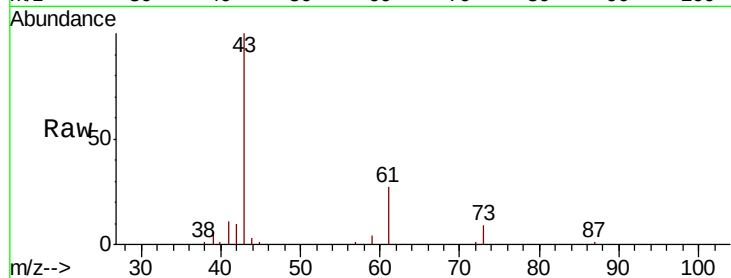
Tot Ion: 43 Resp: 305153

Ion Ratio Lower Upper

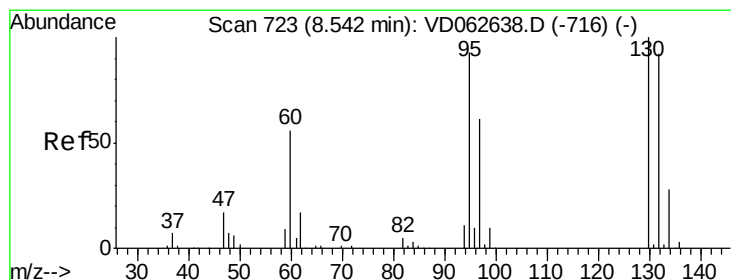
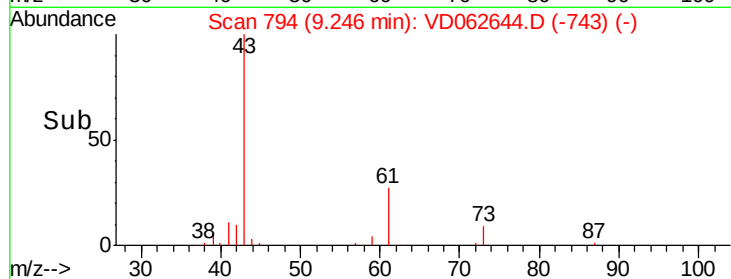
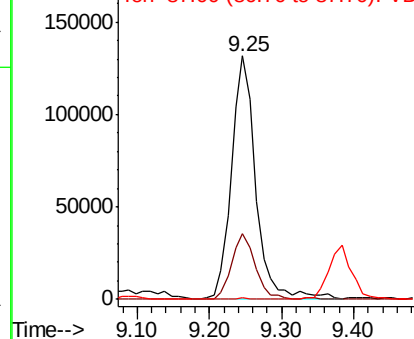
43 100

61 27.0 19.0 28.6

87 0.6 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: 47.812 ug/l

RT: 8.55 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD062644.D

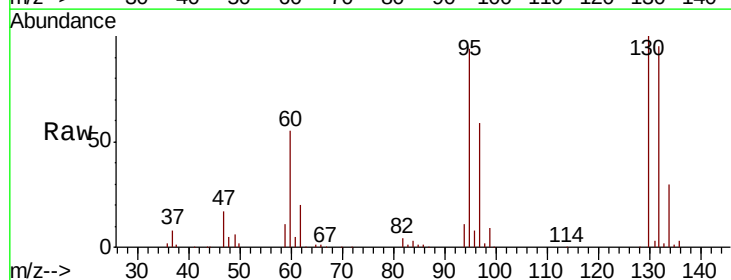
Acq: 7 Jun 2019 17:07

Tgt Ion:130 Resp: 458580

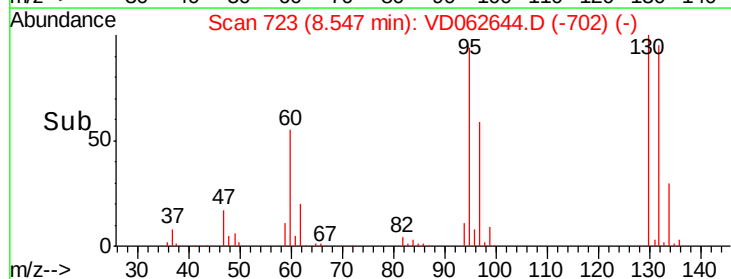
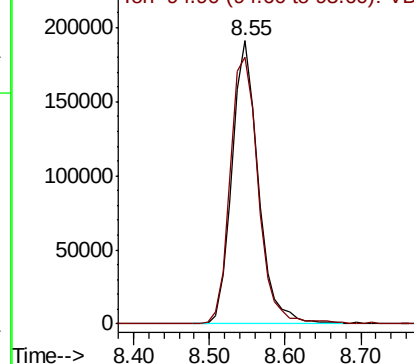
Ion Ratio Lower Upper

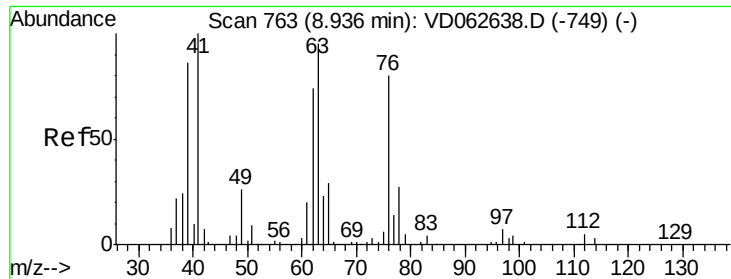
130 100

95 94.1 0.0 185.6



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

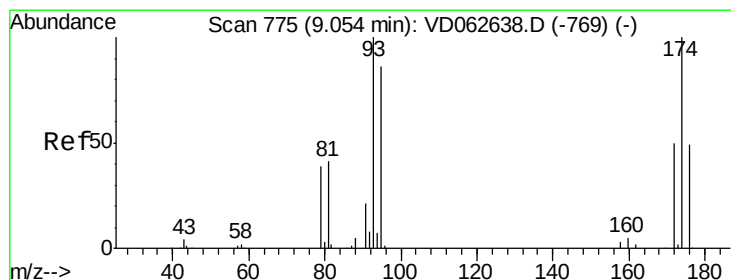
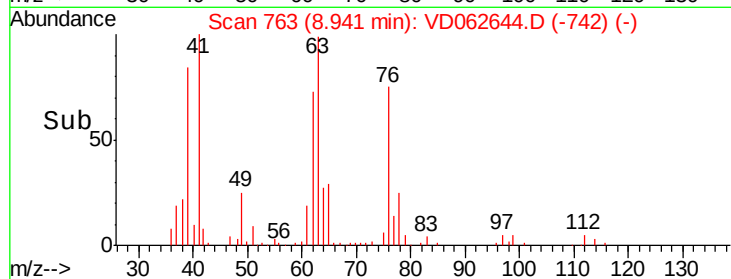
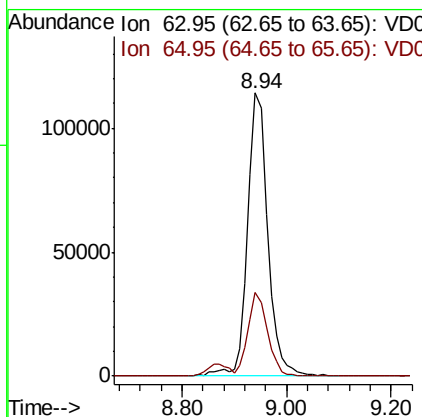
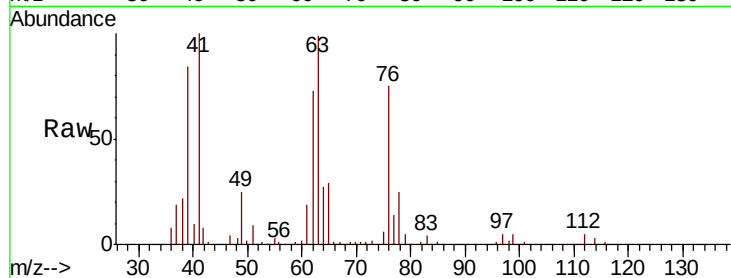




#45
 1,2-Dichloropropane
 Concen: 52.236 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

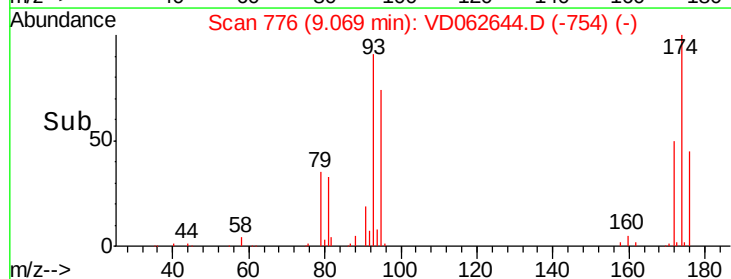
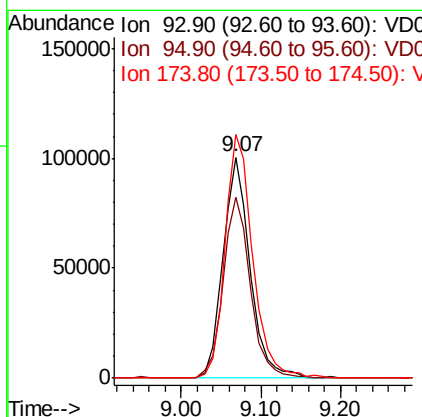
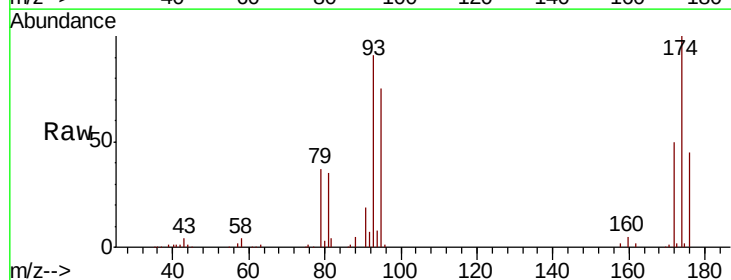
Instrument :
 MSVOA_D
 ClientSampled :

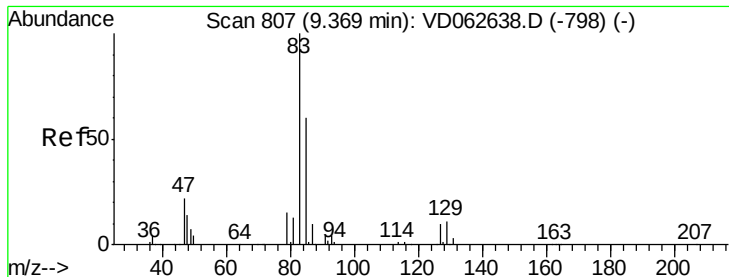
Tot Ion: 63 Resp: 296430
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0



#46
 Dibromomethane
 Concen: 47.578 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 93 Resp: 239662
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.7 103.1
 174 110.3 79.8 119.8





#47

Bromodichloromethane

Concen: 48.883 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

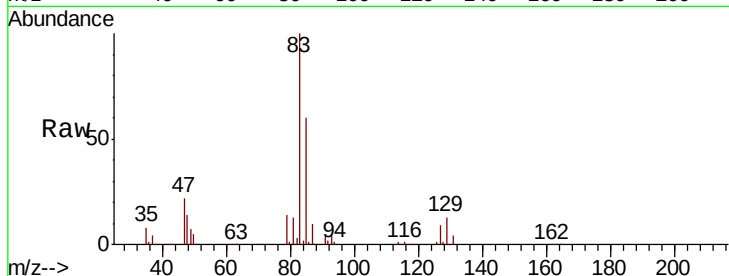
Tot Ion: 83 Resp: 669822

Ion Ratio Lower Upper

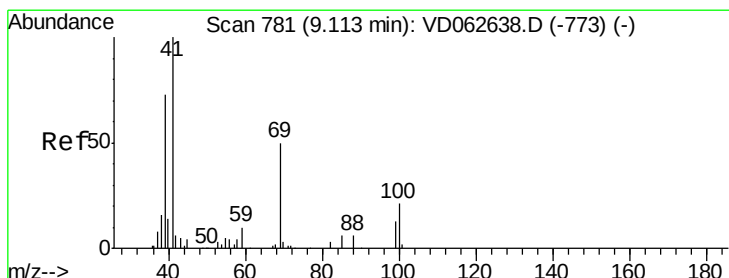
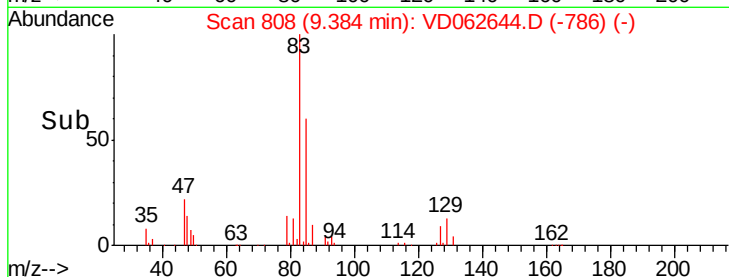
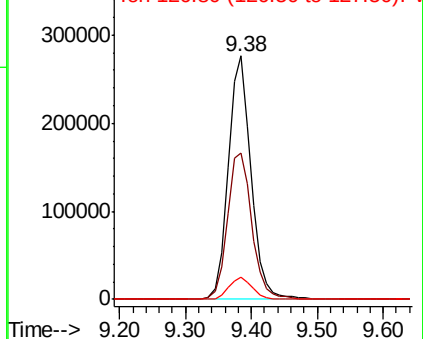
83 100

85 60.3 47.9 71.9

127 9.2 8.2 12.4



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: 46.268 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

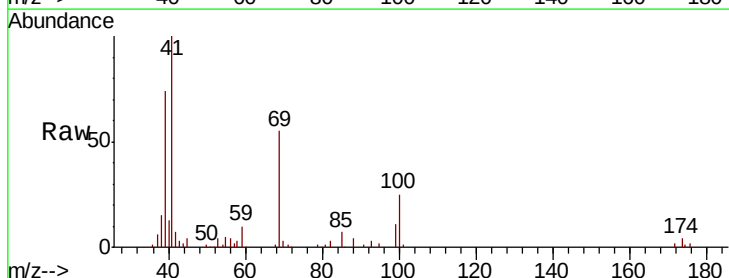
Tgt Ion: 41 Resp: 213365

Ion Ratio Lower Upper

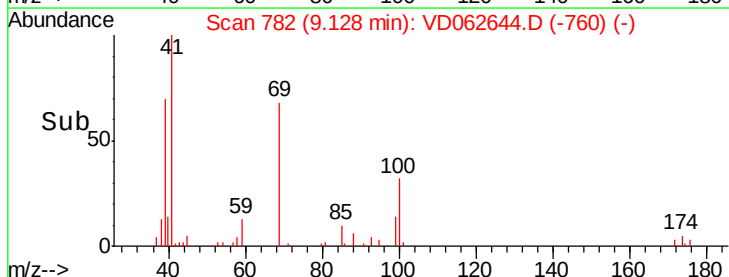
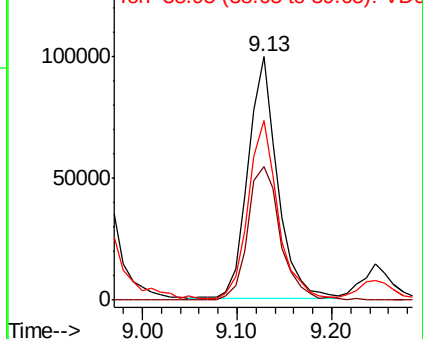
41 100

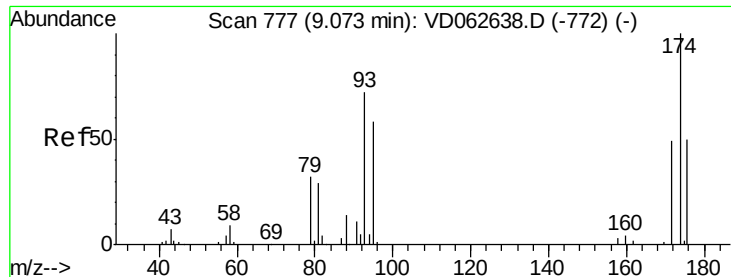
69 55.1 39.8 59.6

39 73.7 59.1 88.7



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

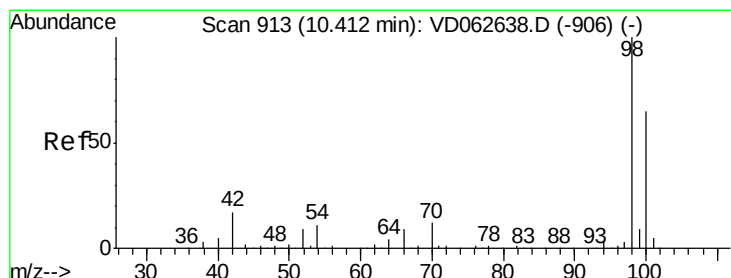
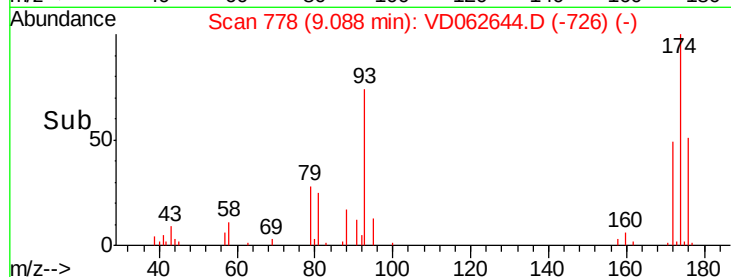
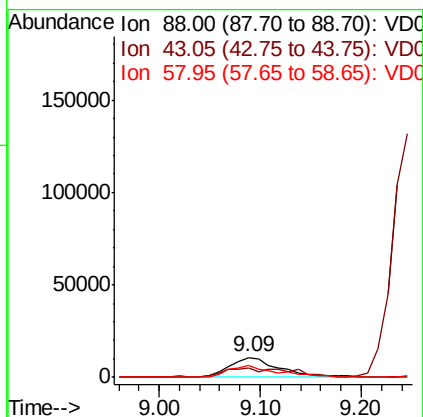
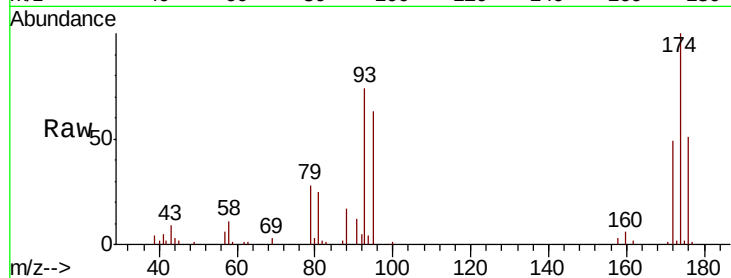




#49
1,4-Dioxane
Concen: 871.135 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

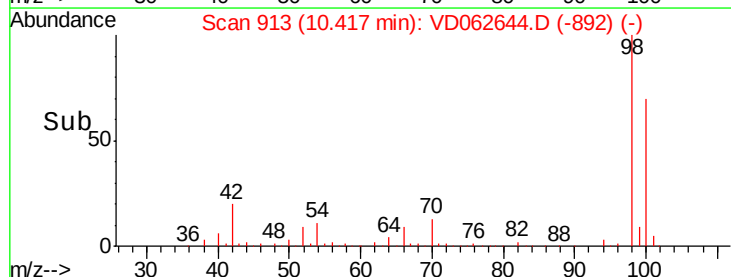
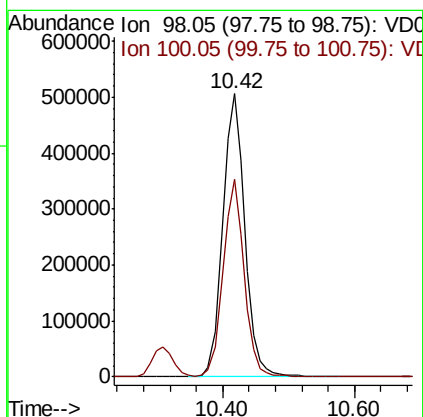
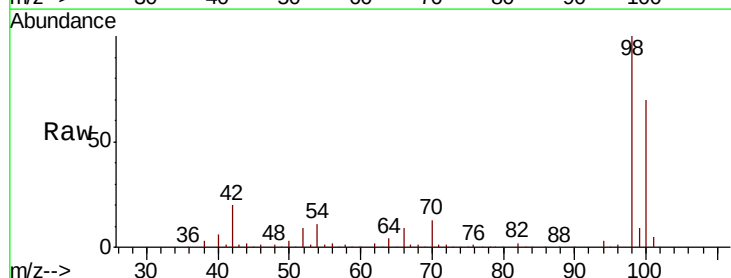
Instrument :
MSVOA_D
ClientSampleId :

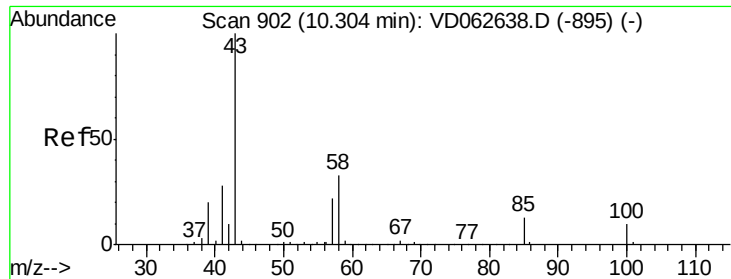
Tot Ion: 88 Resp: 35660
Ion Ratio Lower Upper
88 100
43 50.7 40.7 61.1
58 61.4 54.2 81.4



#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 98 Resp: 1184281
Ion Ratio Lower Upper
98 100
100 69.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 242.471 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

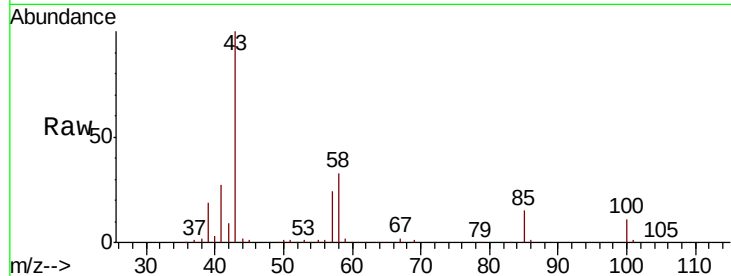
ClientSampled :

Tot Ion: 43 Resp: 1082988

Ion Ratio Lower Upper

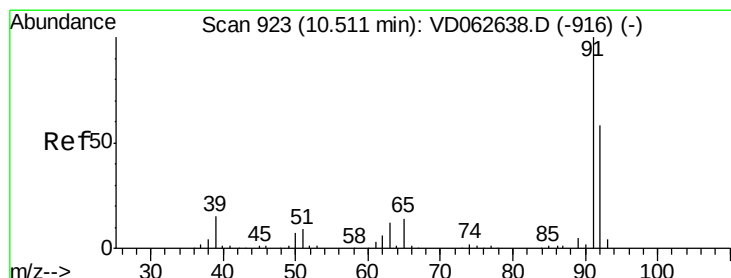
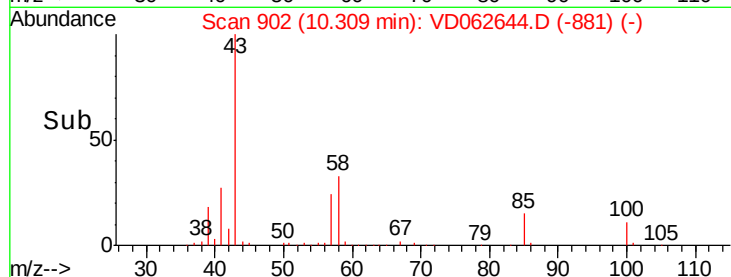
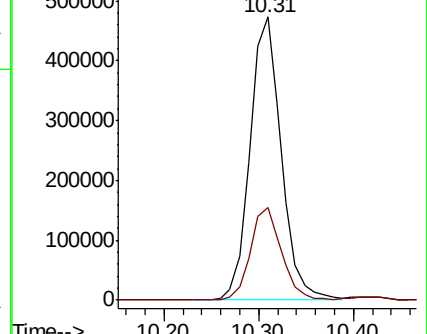
43 100

58 32.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.061 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062644.D

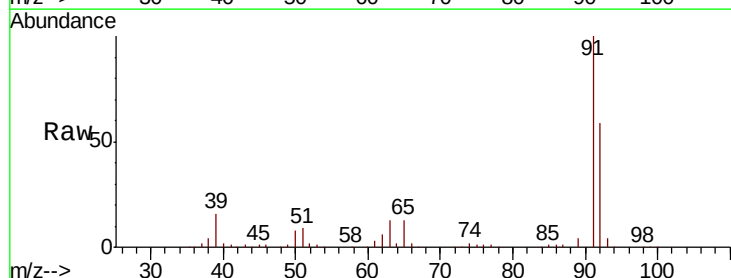
Acq: 7 Jun 2019 17:07

Tgt Ion: 92 Resp: 795003

Ion Ratio Lower Upper

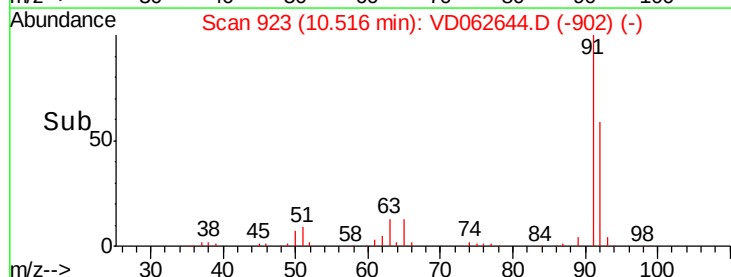
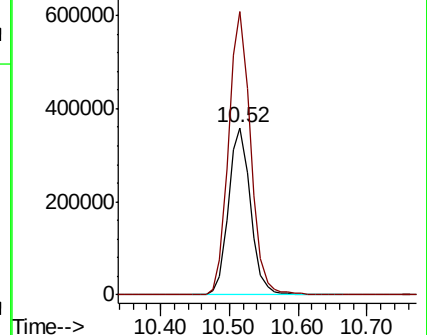
92 100

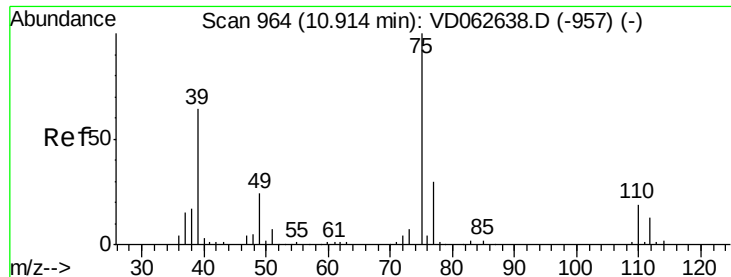
91 169.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

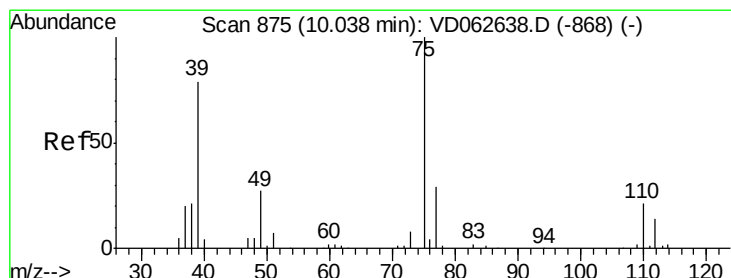
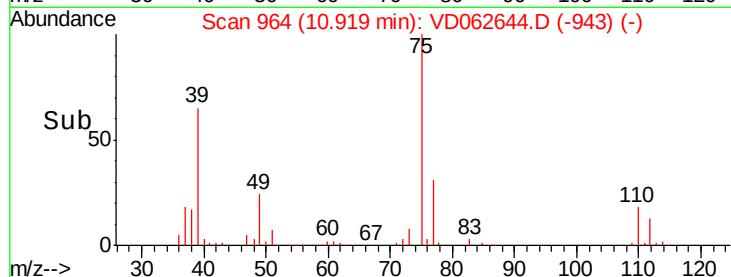
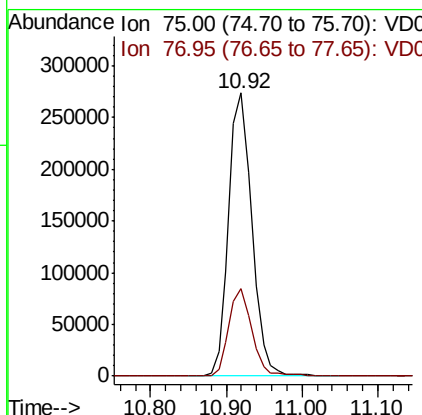
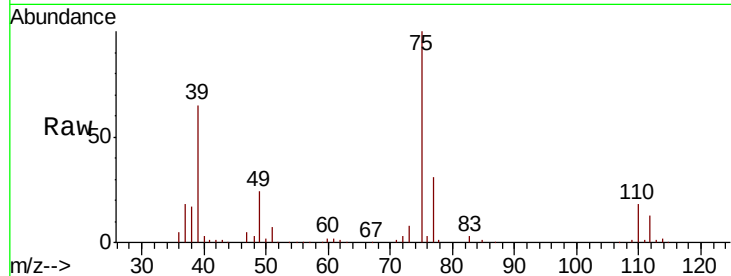




#53
 t-1,3-Dichloropropene
 Concen: 51.816 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

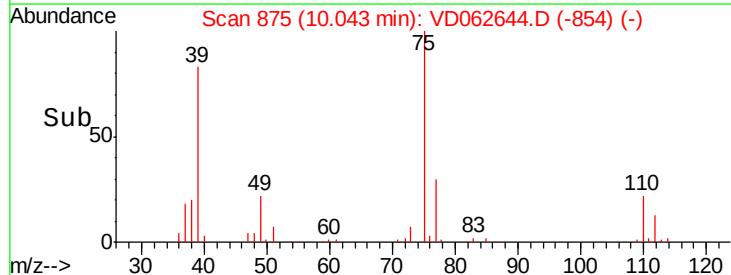
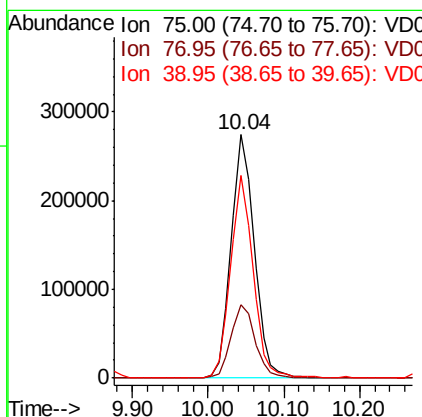
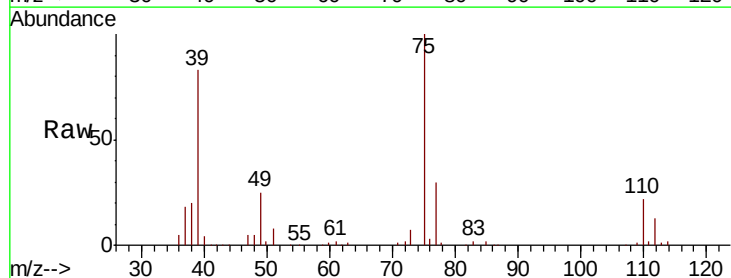
Instrument :
 MSVOA_D
 ClientSampled :

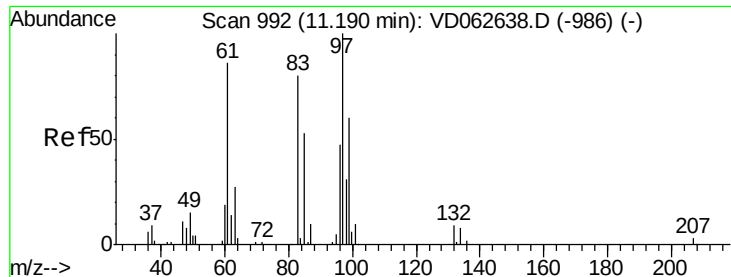
Tot Ion: 75 Resp: 582128
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 50.189 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 75 Resp: 582765
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.1 34.7
 39 83.3 63.4 95.2

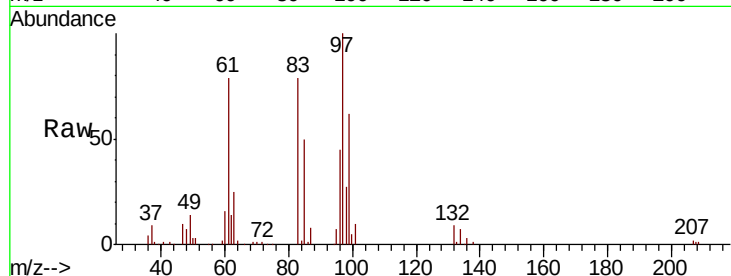




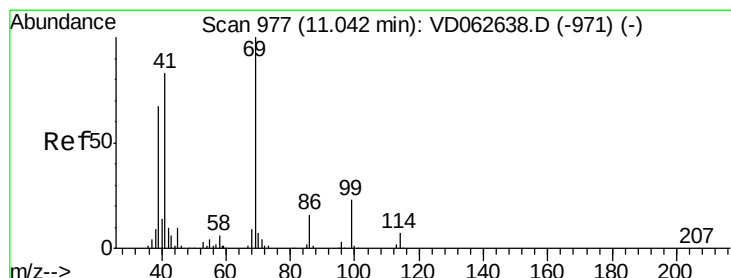
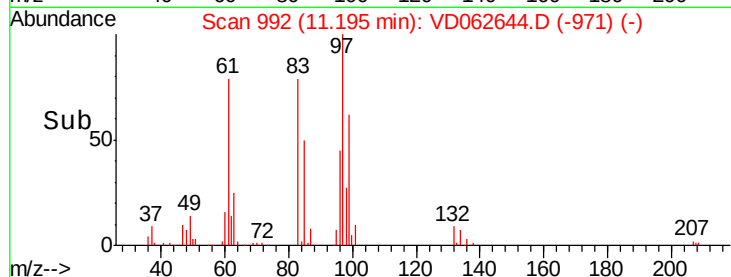
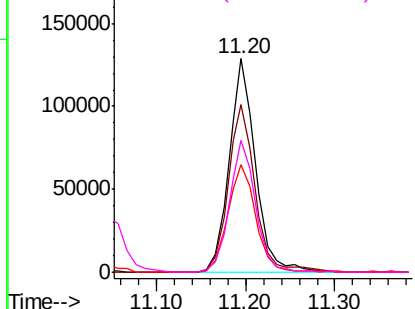
#55
 1,1,2-Trichloroethane
 Concen: 48.929 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	266472
Ion	Ratio	Lower	Upper
97	100		
83	78.5	63.8	95.8
85	50.3	42.3	63.5
99	61.9	48.0	72.0

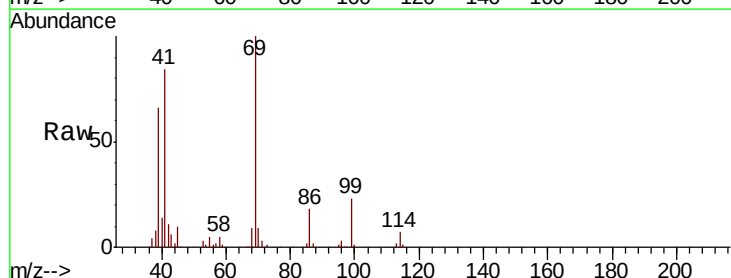


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

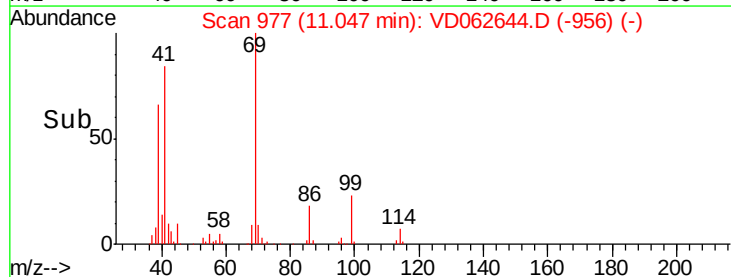
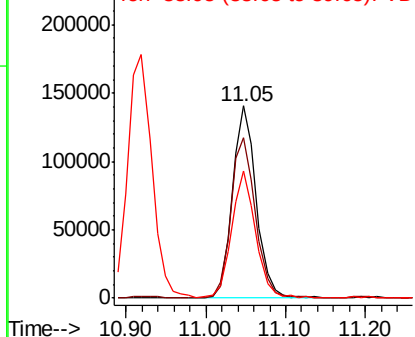


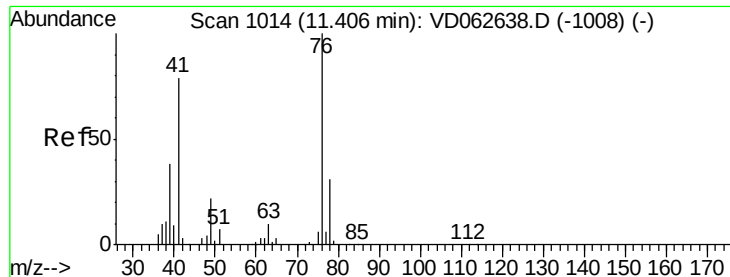
#56
 Ethyl methacrylate
 Concen: 44.971 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion:	69	Resp:	292278
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.2	99.4
39	66.3	53.8	80.8



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





#57

1,3-Dichloropropane

Concen: 49.564 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

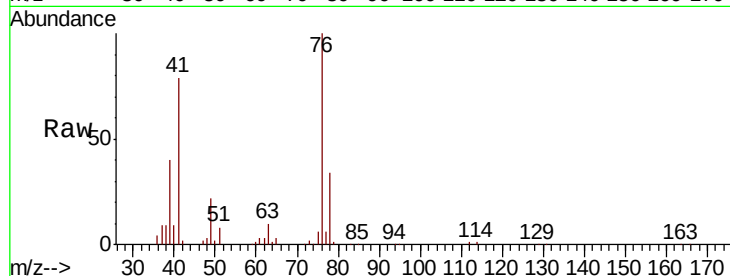
ClientSampleId :

Tot Ion: 76 Resp: 418371

Ion Ratio Lower Upper

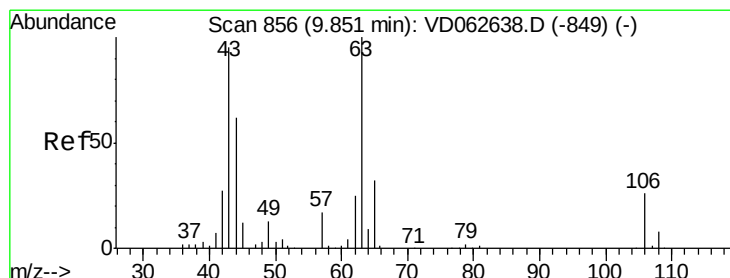
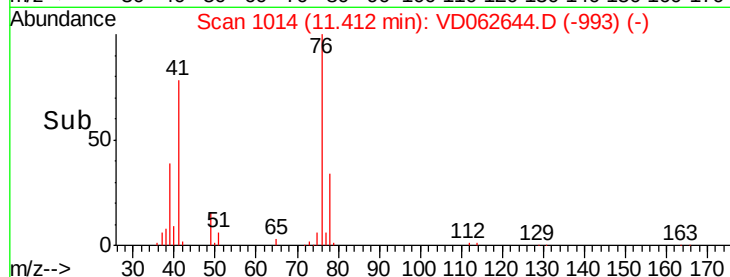
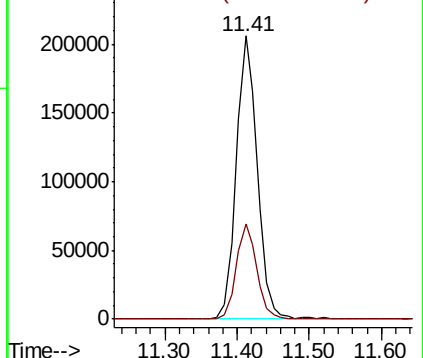
76 100

78 33.9 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 225.106 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.02 min

Lab File: VD062644.D

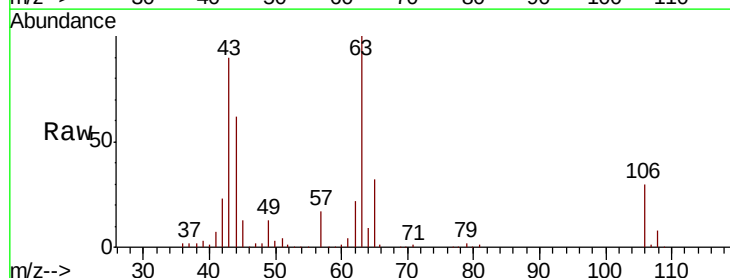
Acq: 7 Jun 2019 17:07

Tgt Ion: 63 Resp: 655244

Ion Ratio Lower Upper

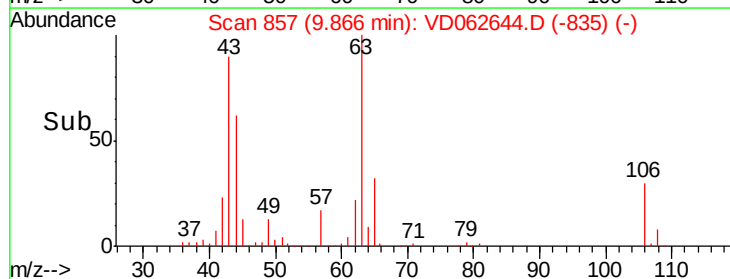
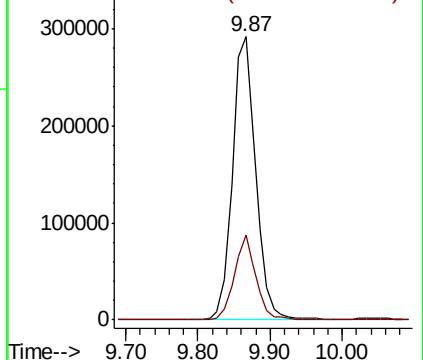
63 100

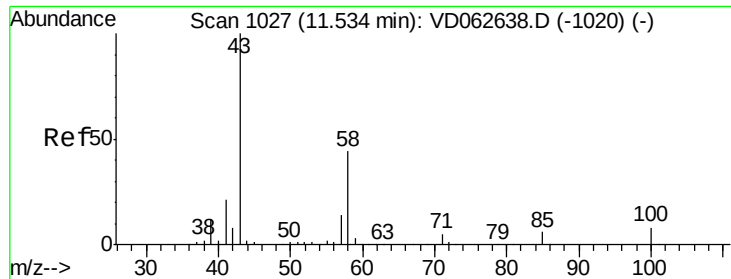
106 30.0 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

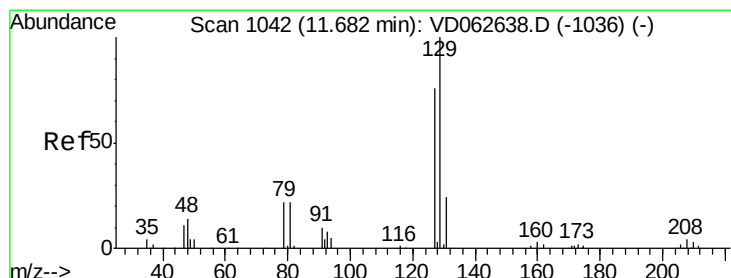
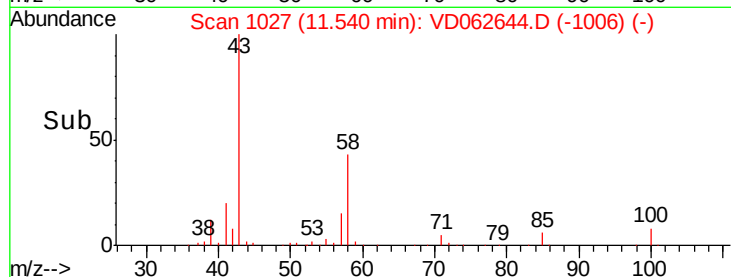
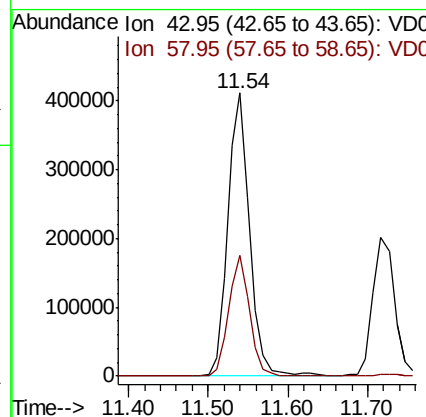
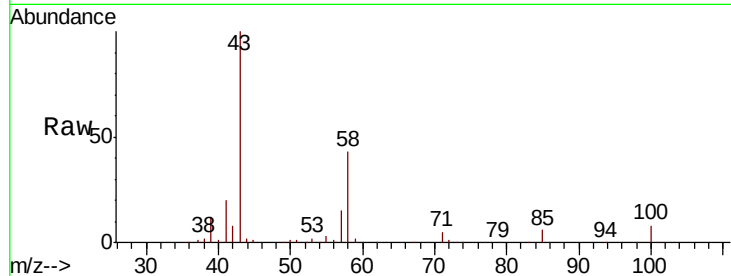




#59
2-Hexanone
Concen: 237.754 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

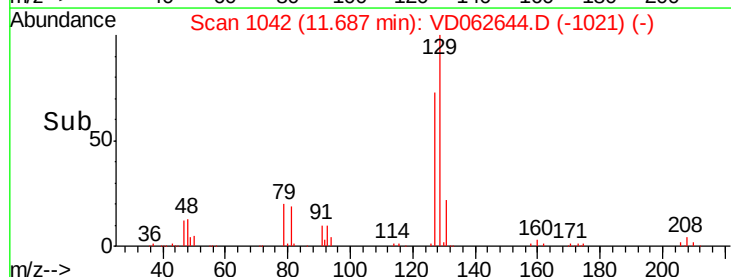
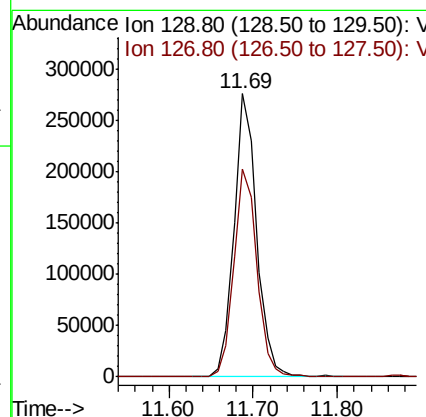
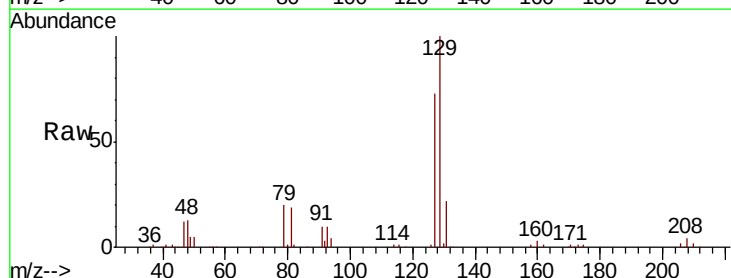
Instrument :
MSVOA_D
ClientSampleId :

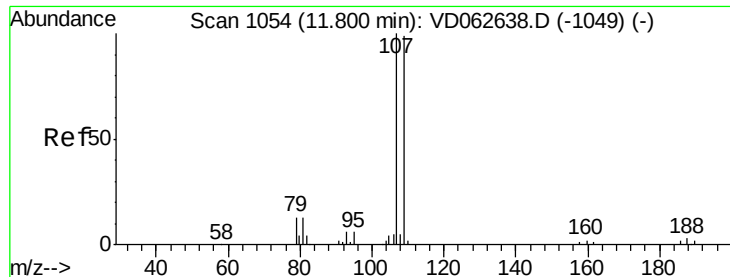
Tot Ion: 43 Resp: 789920
Ion Ratio Lower Upper
43 100
58 42.6 21.8 65.4



#60
Dibromochloromethane
Concen: 47.885 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:129 Resp: 514806
Ion Ratio Lower Upper
129 100
127 73.2 38.0 114.1

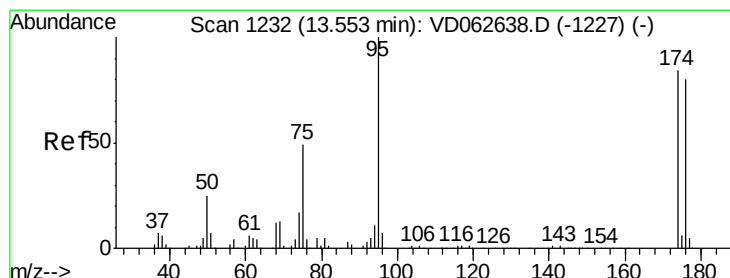
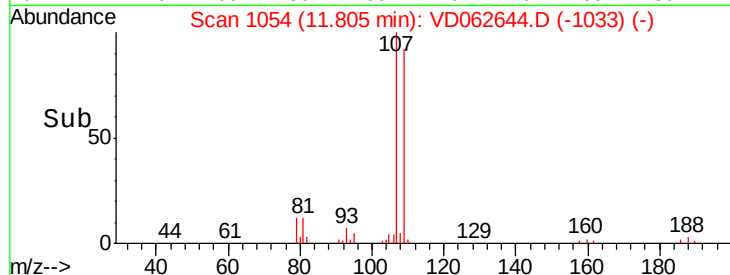
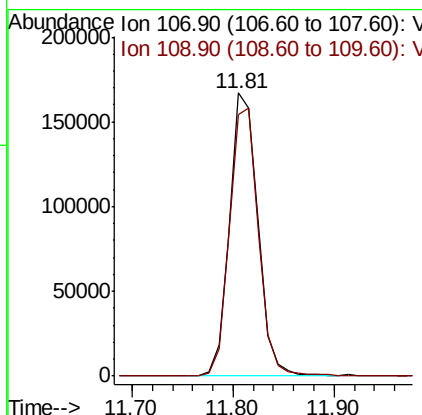
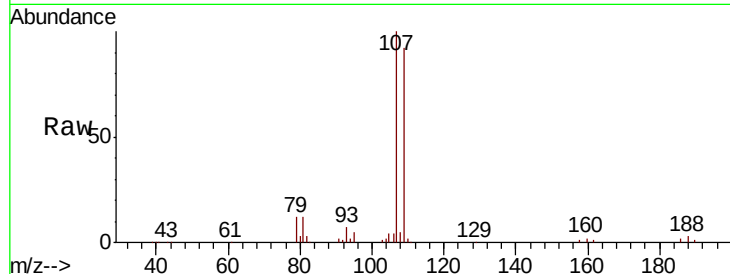




#61
 1,2-Dibromoethane
 Concen: 49.845 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

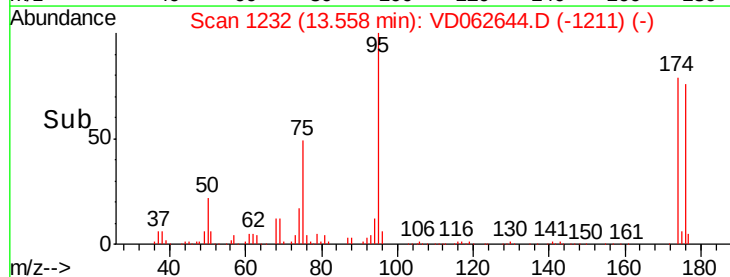
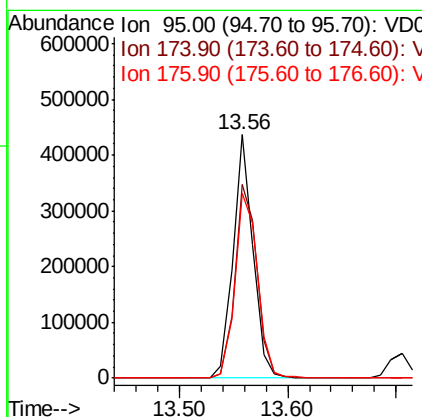
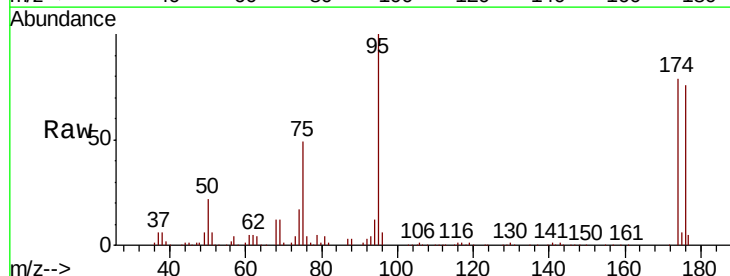
Instrument :
 MSVOA_D
 ClientSampleId :

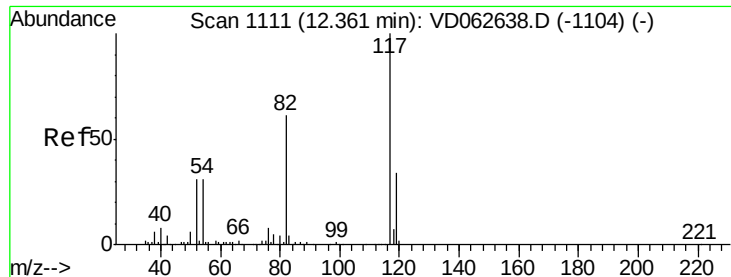
Tot Ion:107 Resp: 324899
 Ion Ratio Lower Upper
 107 100
 109 92.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 51.169 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion: 95 Resp: 559818
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 167.0
 176 75.9 0.0 159.2

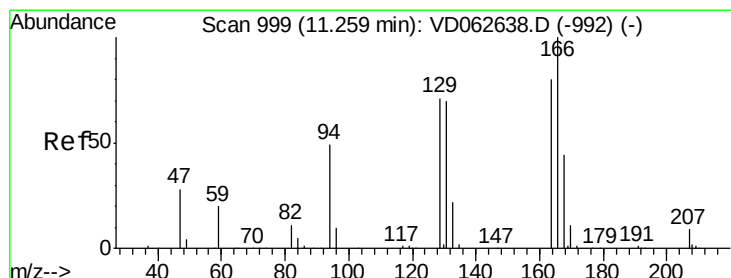
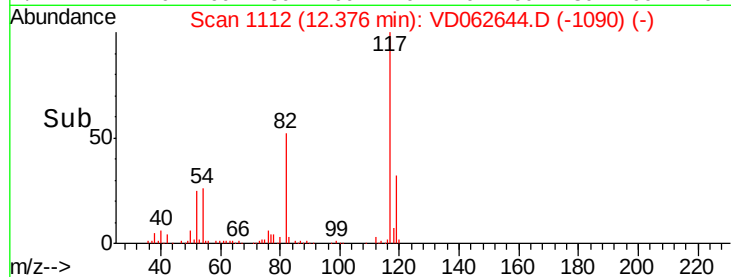
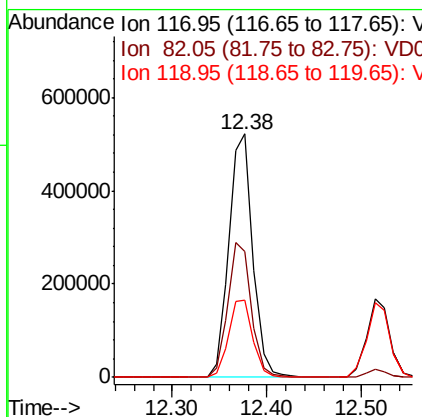
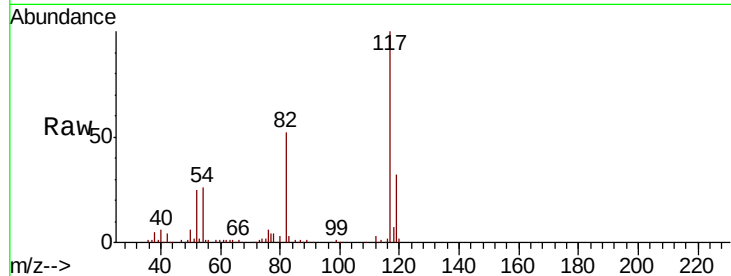




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

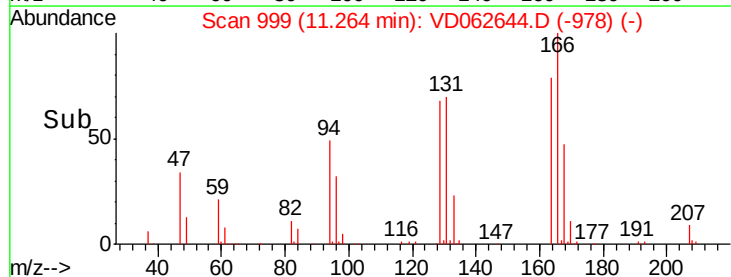
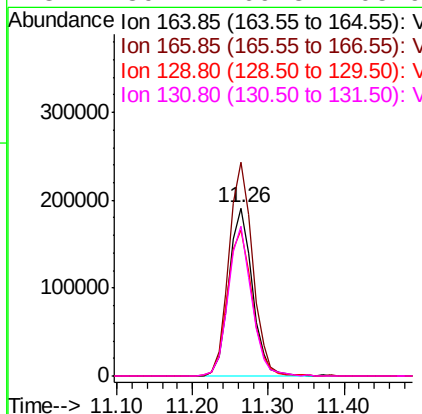
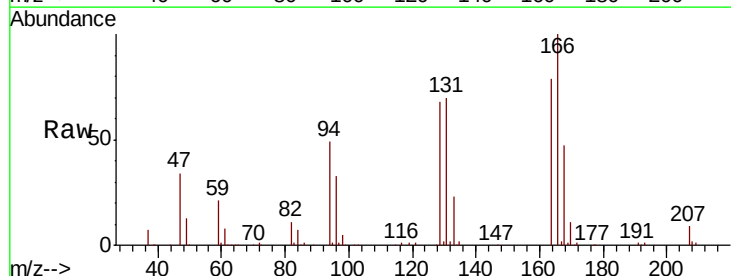
Instrument :
MSVOA_D
ClientSampleId :

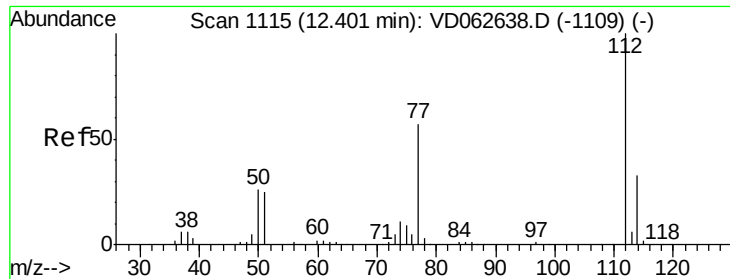
Tot Ion:117 Resp: 912575
Ion Ratio Lower Upper
117 100
82 51.9 48.7 73.1
119 31.7 27.0 40.6



#64
Tetrachloroethene
Concen: 47.435 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:164 Resp: 405227
Ion Ratio Lower Upper
164 100
166 127.2 99.4 149.2
129 87.1 70.2 105.4
131 89.2 69.3 103.9

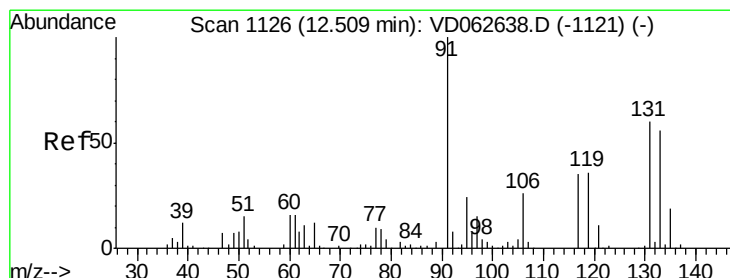
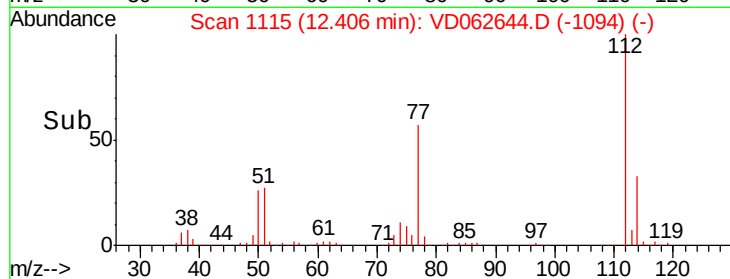
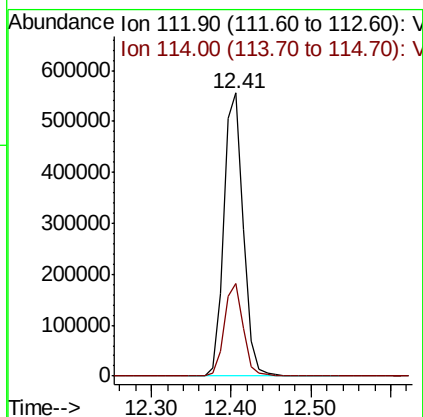
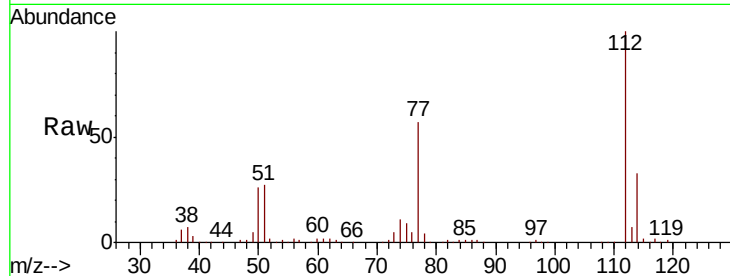




#65
Chlorobenzene
Concen: 47.618 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

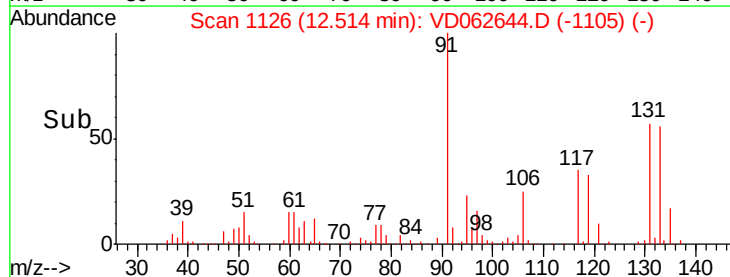
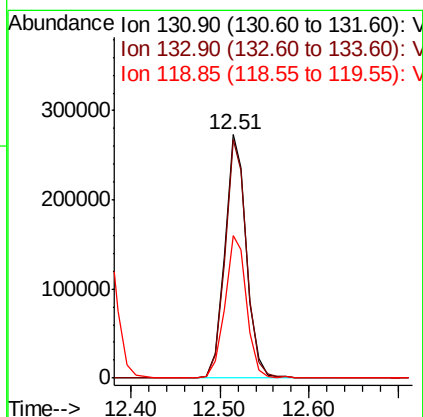
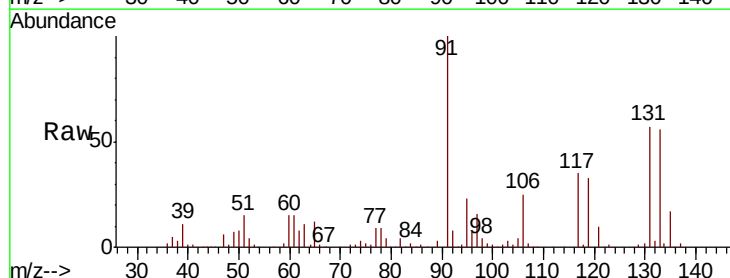
Instrument :
MSVOA_D
ClientSampled :

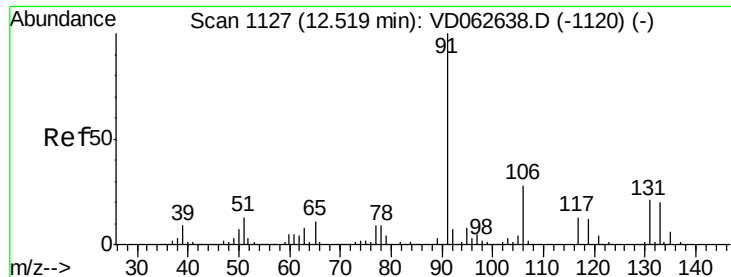
Tot Ion:112 Resp: 961206
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.400 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:131 Resp: 465963
Ion Ratio Lower Upper
131 100
133 98.1 46.8 140.3
119 58.5 29.9 89.8

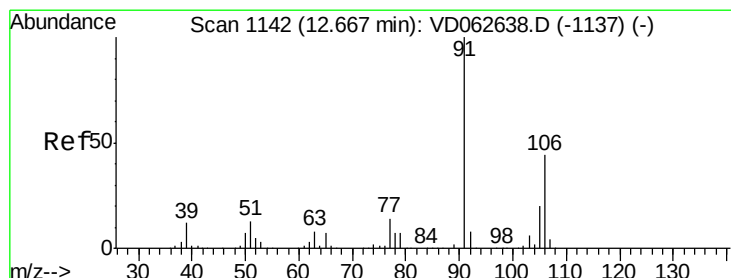
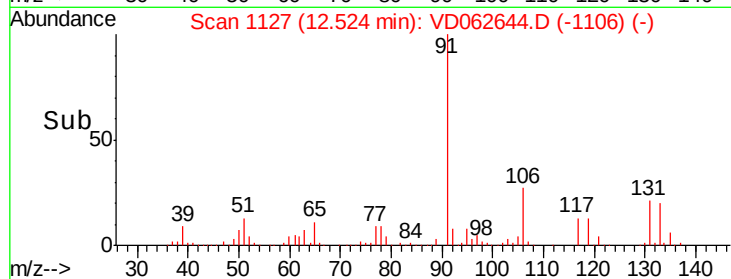
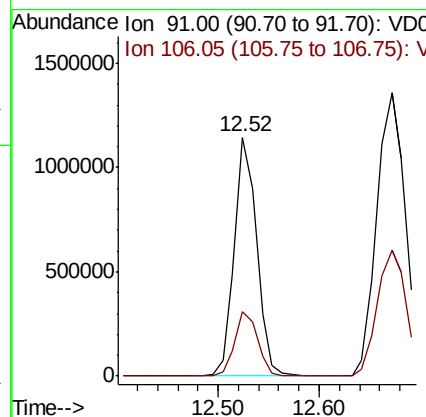
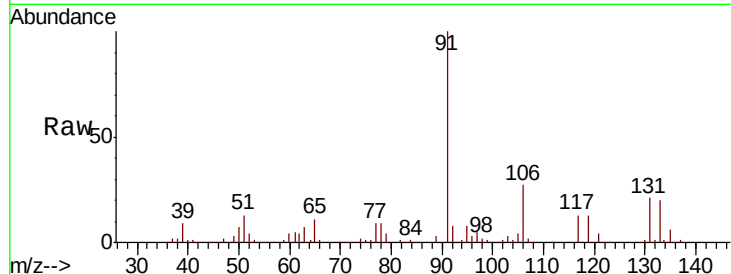




#67
Ethyl Benzene
Concen: 49.406 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

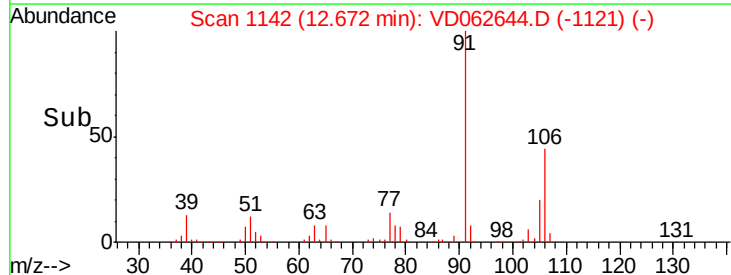
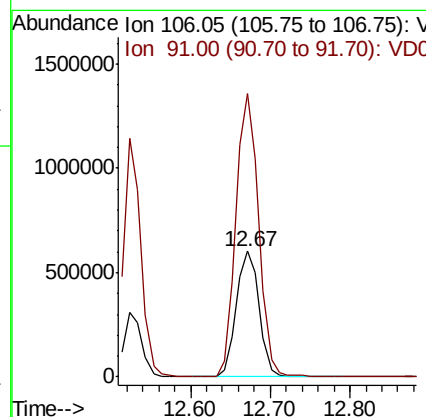
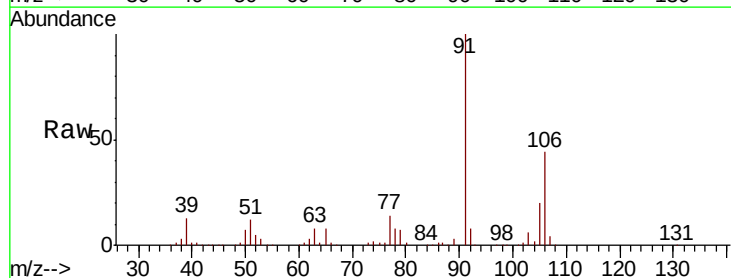
Instrument :
MSVOA_D
ClientSampled :

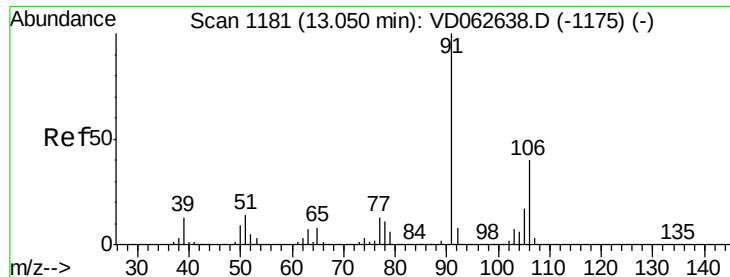
Tot Ion: 91 Resp: 1768223
Ion Ratio Lower Upper
91 100
106 26.8 22.1 33.1



#68
m/p-Xylenes
Concen: 96.184 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 106 Resp: 1210190
Ion Ratio Lower Upper
106 100
91 224.9 180.2 270.4

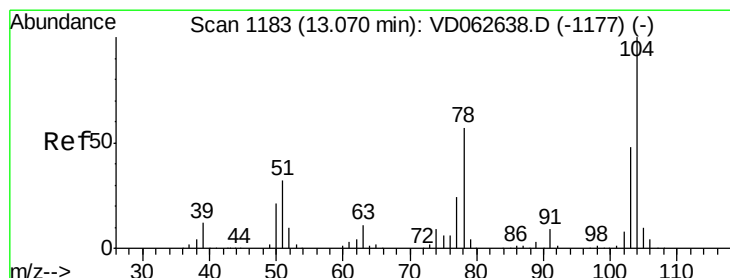
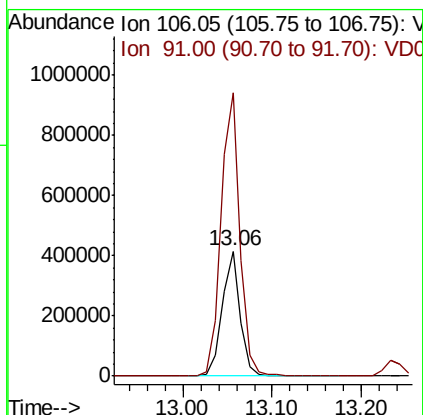
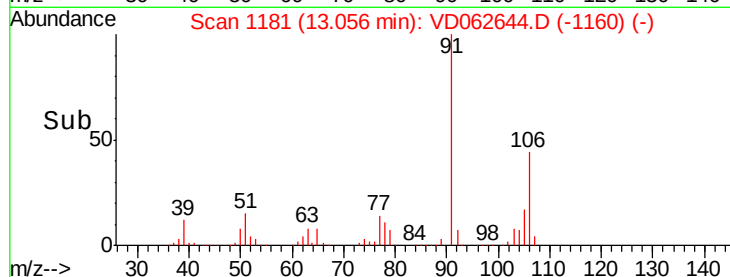
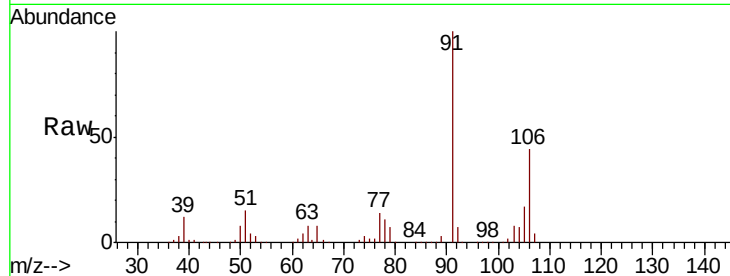




#69
o-Xylene
Concen: 50.838 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

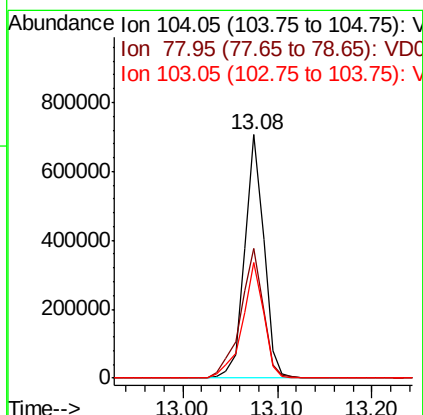
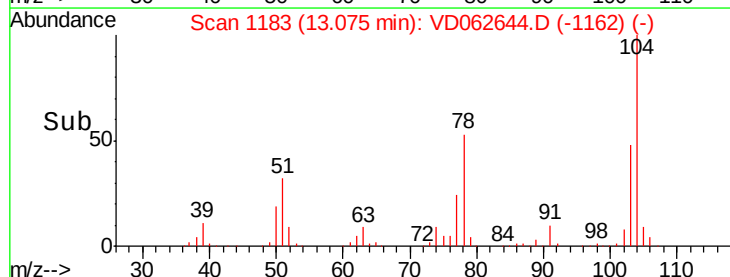
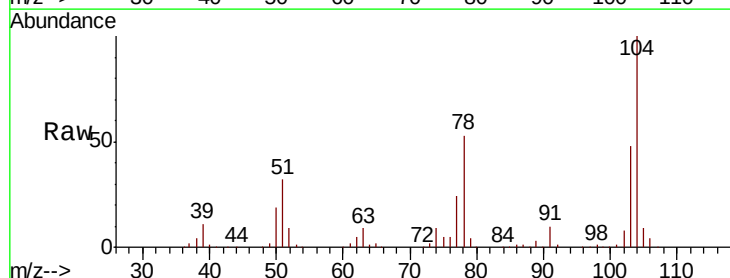
Instrument :
MSVOA_D
ClientSampled :

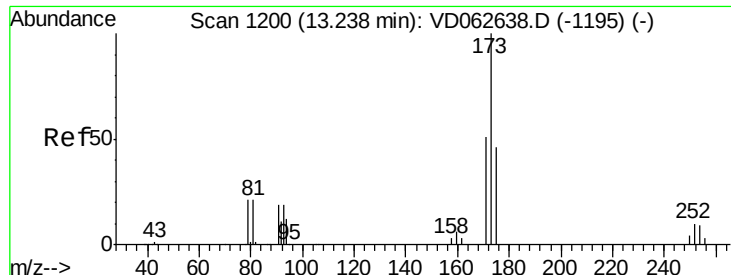
Tot Ion:106 Resp: 587456
Ion Ratio Lower Upper
106 100
91 226.7 124.1 372.1



#70
Styrene
Concen: 48.218 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:104 Resp: 994157
Ion Ratio Lower Upper
104 100
78 53.4 45.9 68.9
103 47.5 38.4 57.6





#71

Bromoform

Concen: 41.990 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampled :

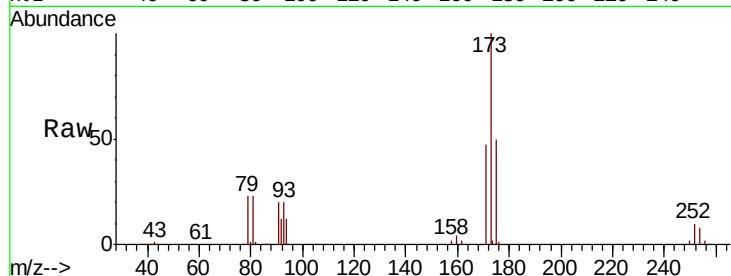
Tot Ion:173 Resp: 306565

Ion Ratio Lower Upper

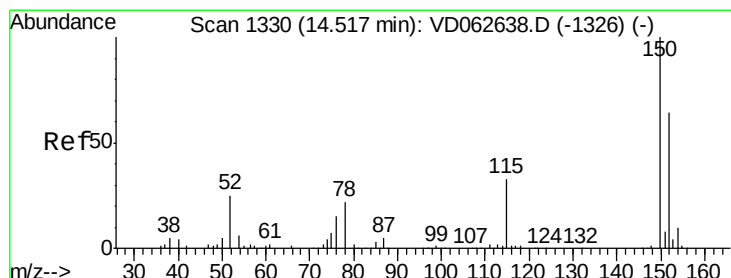
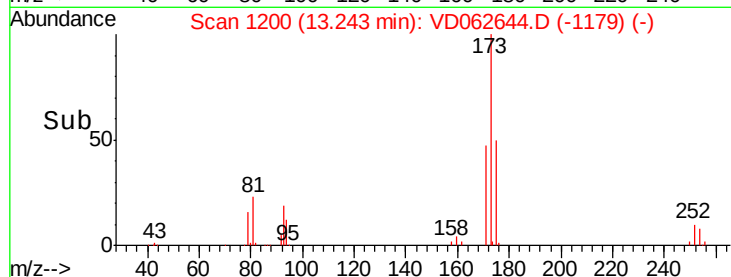
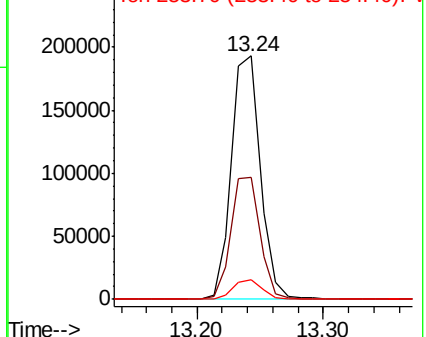
173 100

175 50.0 22.9 68.7

254 8.2 7.0 10.4



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. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

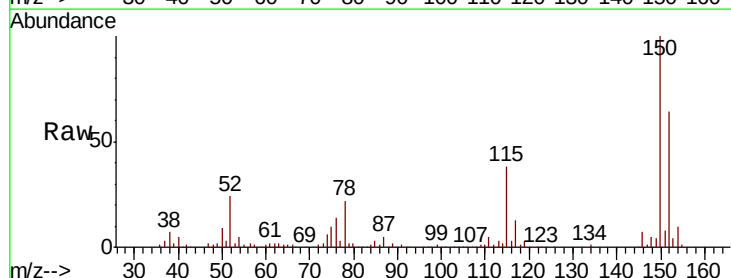
Tgt Ion:152 Resp: 492669

Ion Ratio Lower Upper

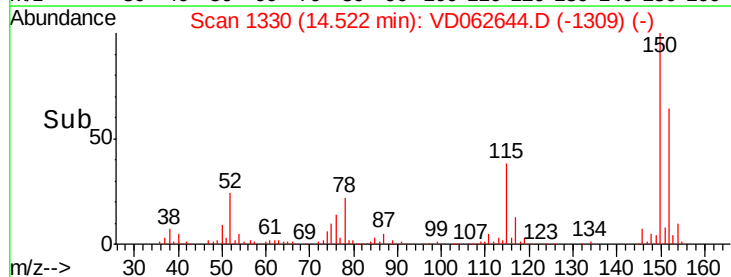
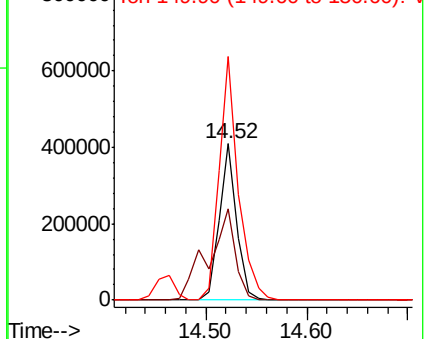
152 100

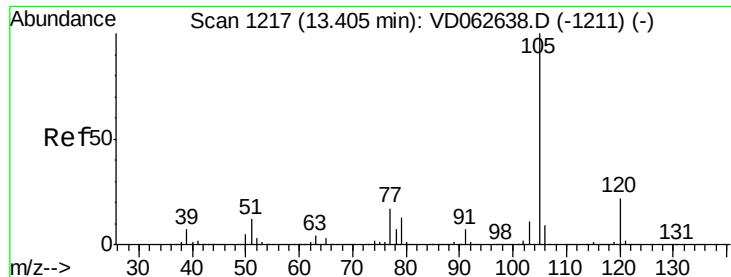
115 58.8 30.1 90.5

150 155.8 0.0 314.0



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: 53.599 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

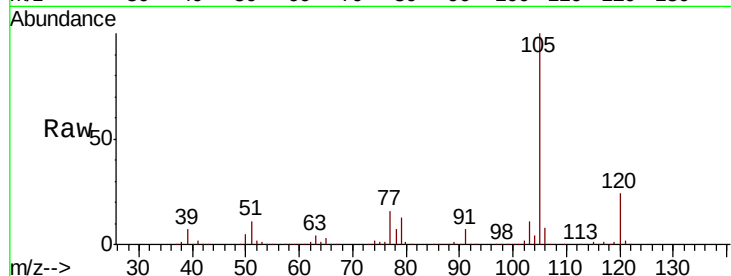
ClientSampled :

Tot Ion:105 Resp: 1861263

Ion Ratio Lower Upper

105 100

120 23.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

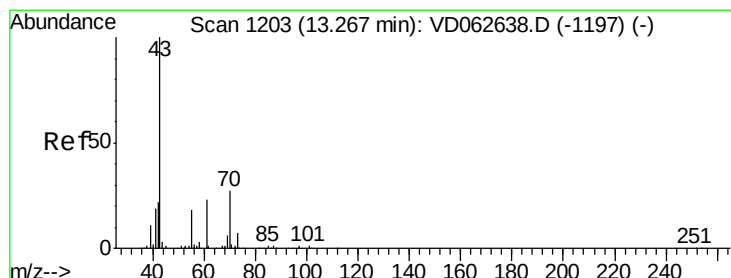
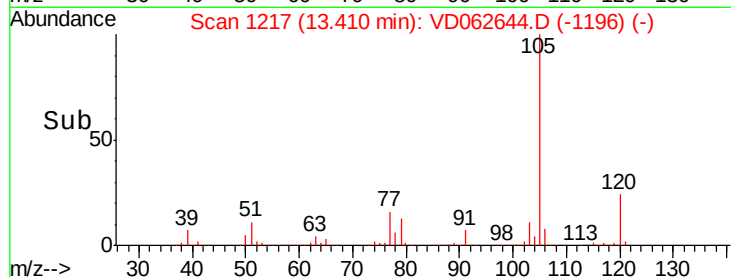
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 51.086 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Tgt Ion: 43 Resp: 479440

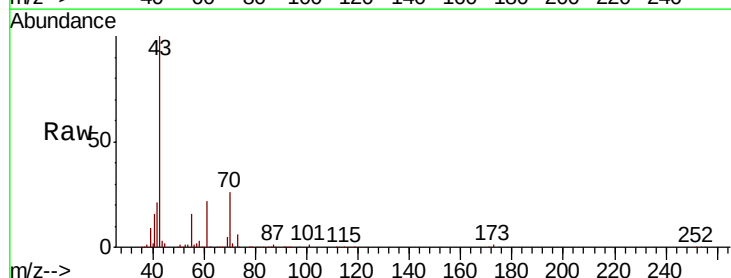
Ion Ratio Lower Upper

43 100

70 26.5 21.8 32.8

55 16.1 14.6 21.8

61 22.1 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

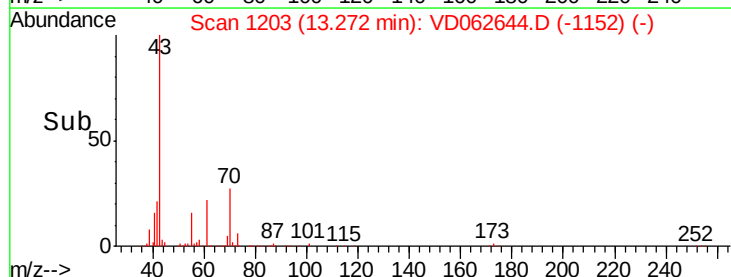
300000

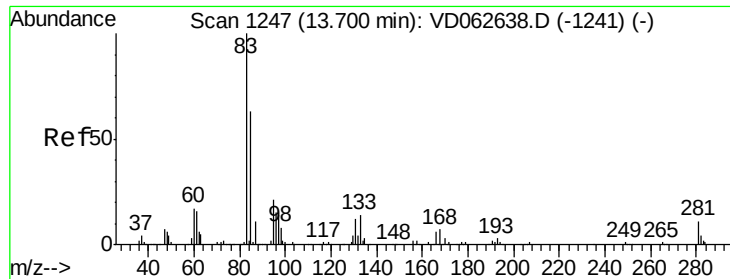
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.985 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampled :

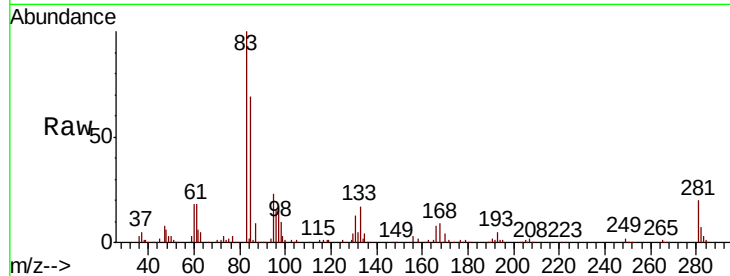
Tot Ion: 83 Resp: 273234

Ion Ratio Lower Upper

83 100

131 13.2 5.9 17.7

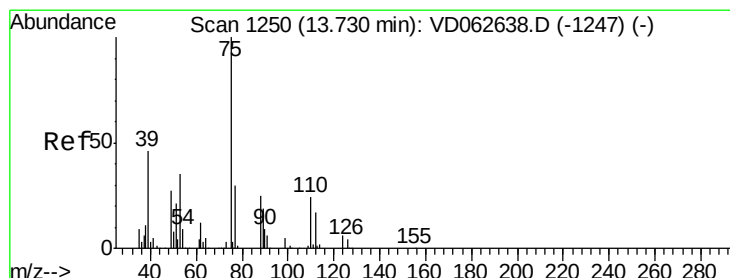
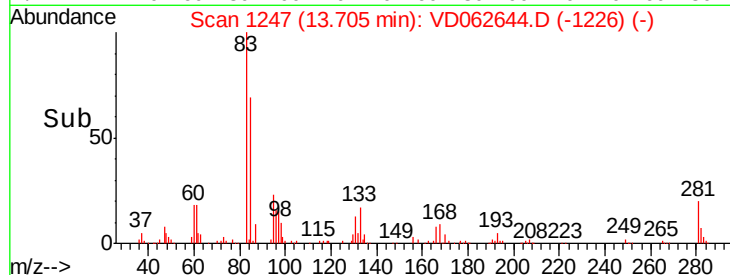
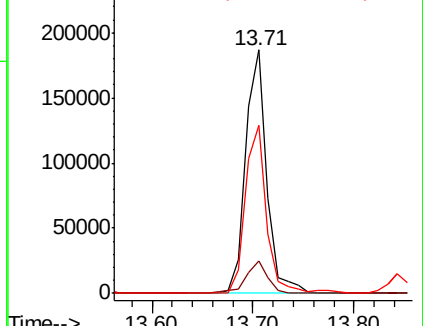
85 68.9 31.3 93.9



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: 47.143 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062644.D

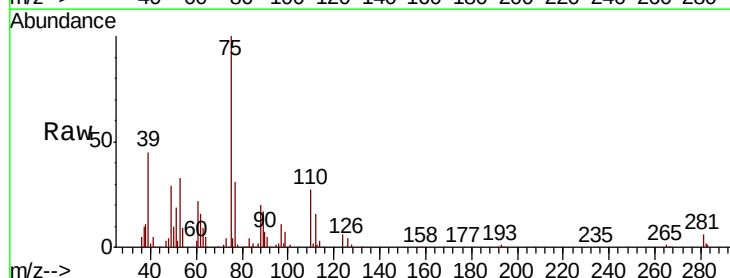
Acq: 7 Jun 2019 17:07

Tgt Ion: 75 Resp: 314923

Ion Ratio Lower Upper

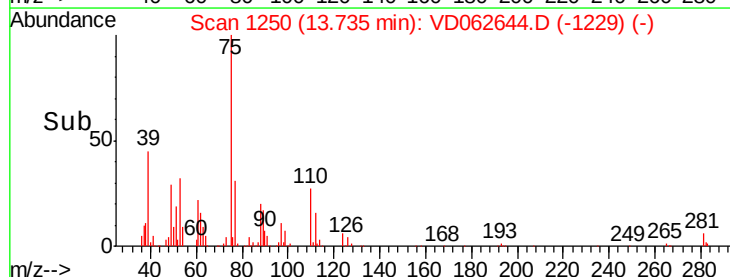
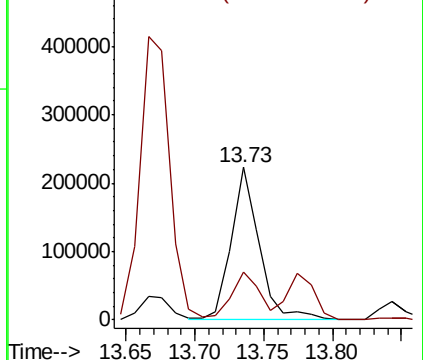
75 100

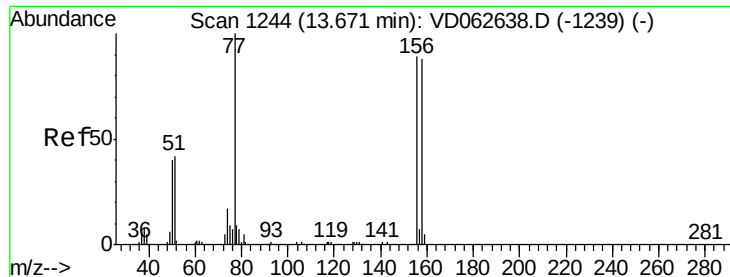
77 31.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.926 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

ClientSampled :

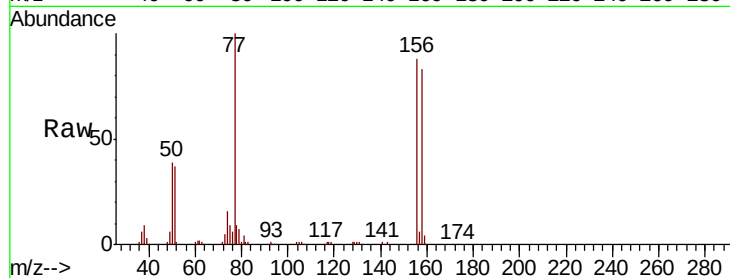
Tot Ion:156 Resp: 475673

Ion Ratio Lower Upper

156 100

77 114.0 56.3 168.8

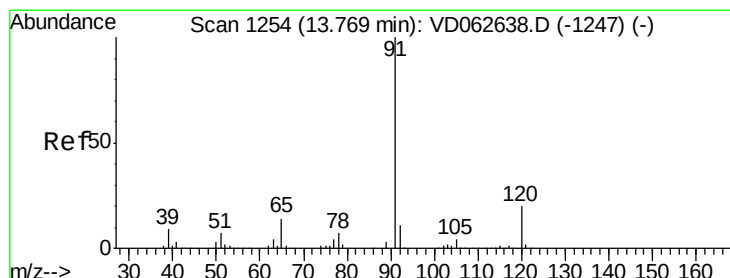
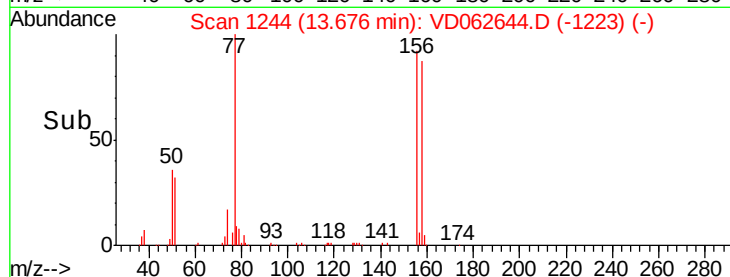
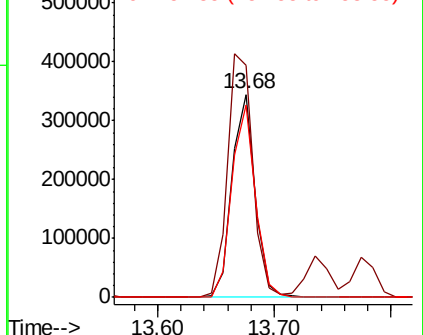
158 95.0 49.6 148.8



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: 49.812 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062644.D

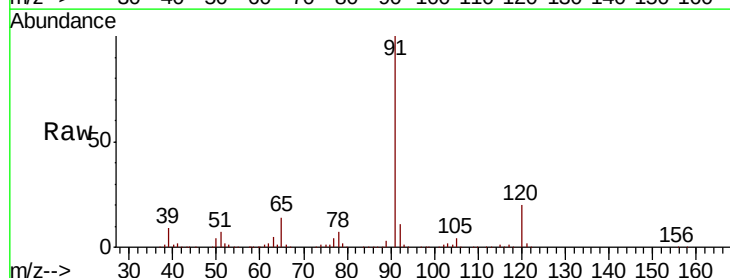
Acq: 7 Jun 2019 17:07

Tgt Ion: 91 Resp: 2117334

Ion Ratio Lower Upper

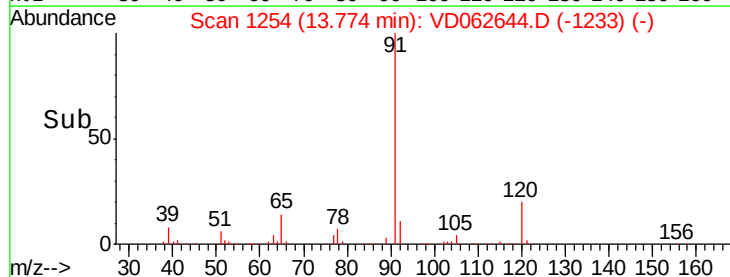
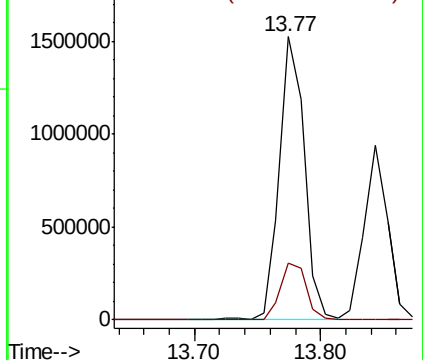
91 100

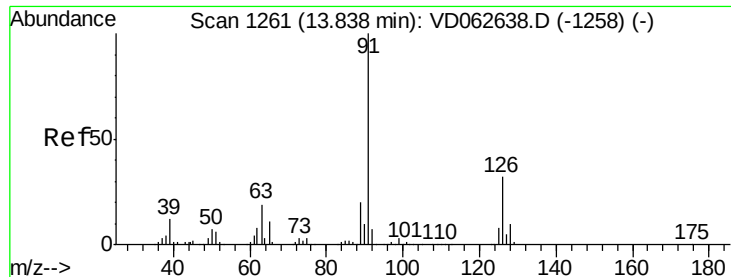
120 19.9 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.769 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

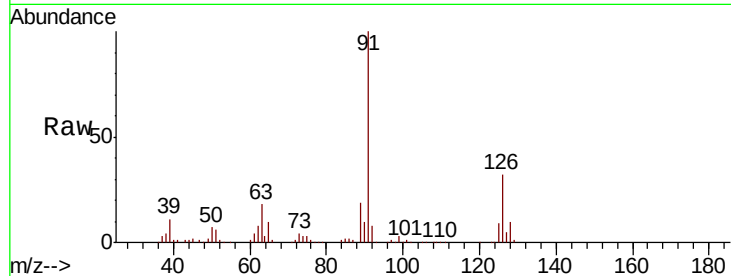
ClientSampleId :

Tot Ion: 91 Resp: 1213775

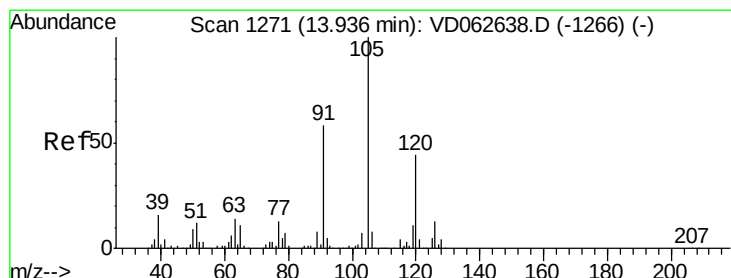
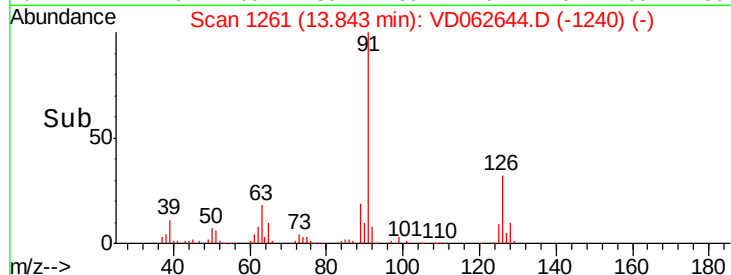
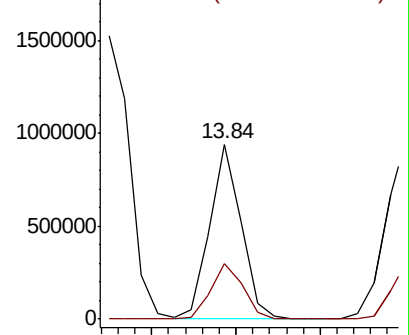
Ion Ratio Lower Upper

91 100

126 32.1 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 49.720 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062644.D

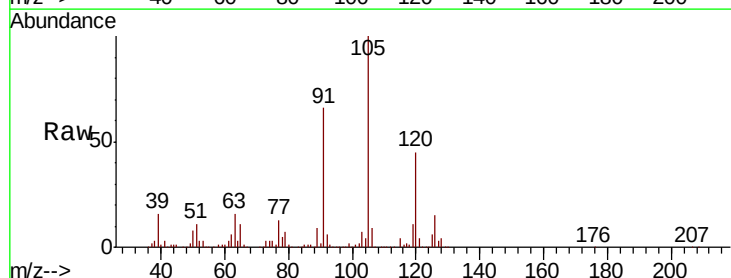
Acq: 7 Jun 2019 17:07

Tgt Ion:105 Resp: 1525931

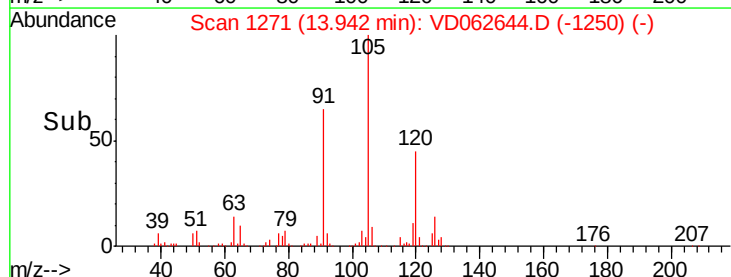
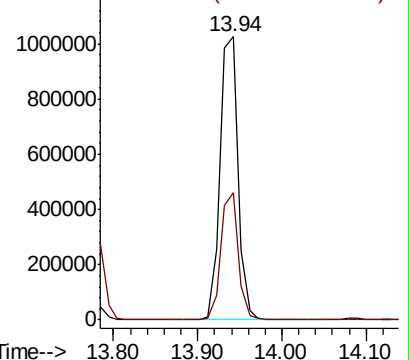
Ion Ratio Lower Upper

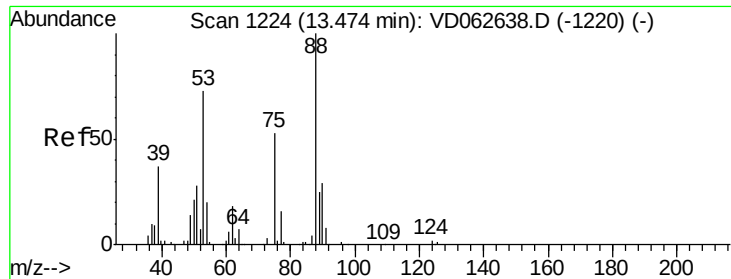
105 100

120 45.0 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

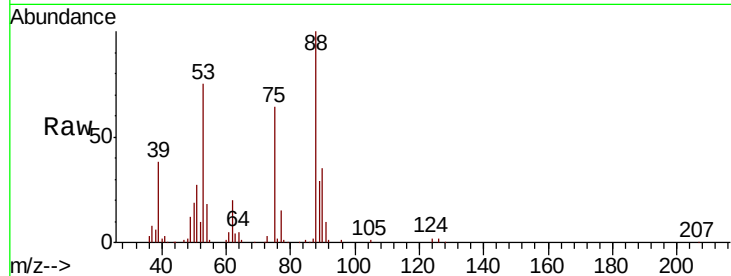




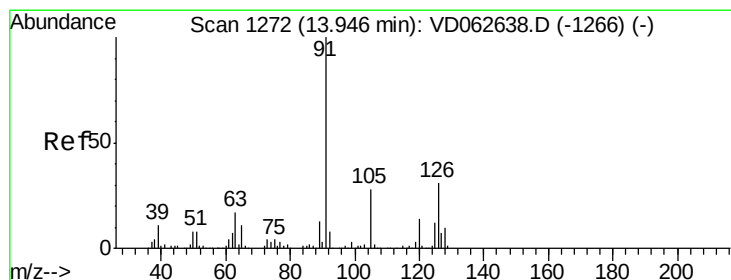
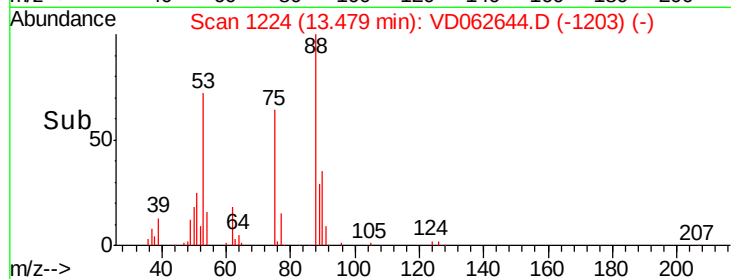
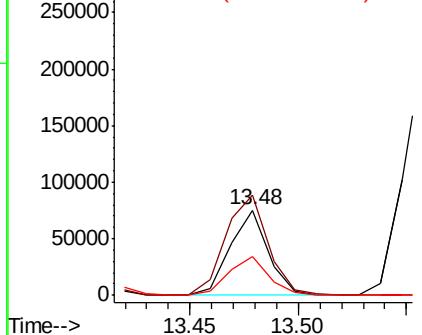
#81
trans-1,4-Dichloro-2-butene
Concen: 47.414 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 93497
Ion Ratio Lower Upper
75 100
53 118.0 109.4 164.2
89 45.3 37.0 55.6

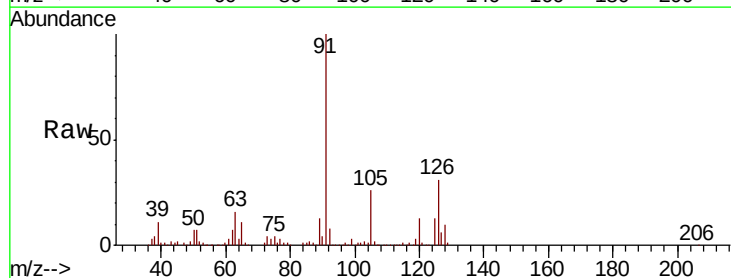


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

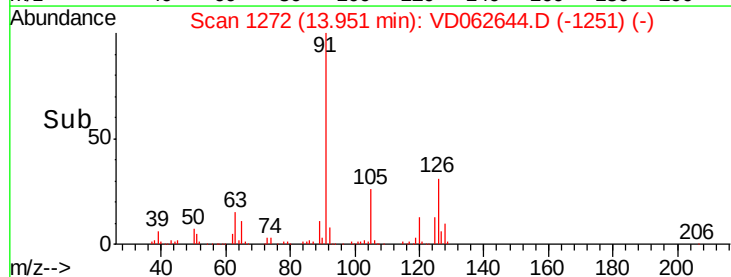
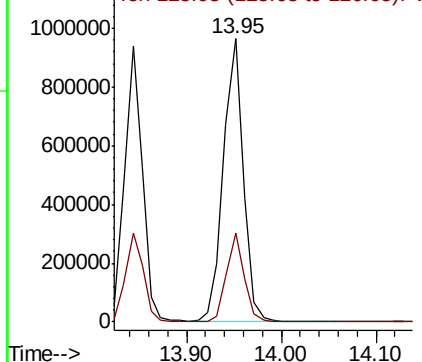


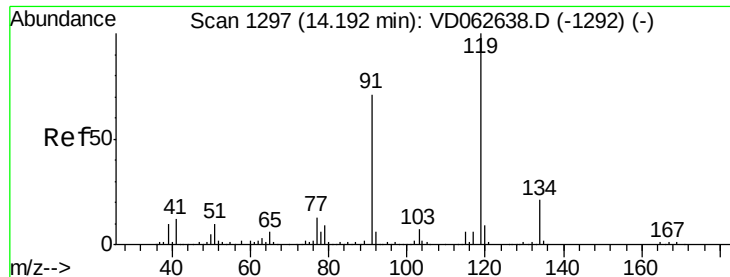
#82
4-Chlorotoluene
Concen: 47.132 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 91 Resp: 1402817
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



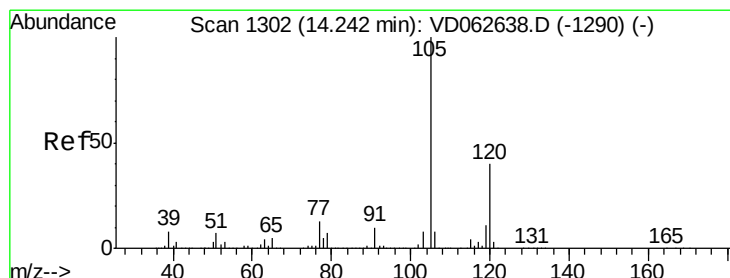
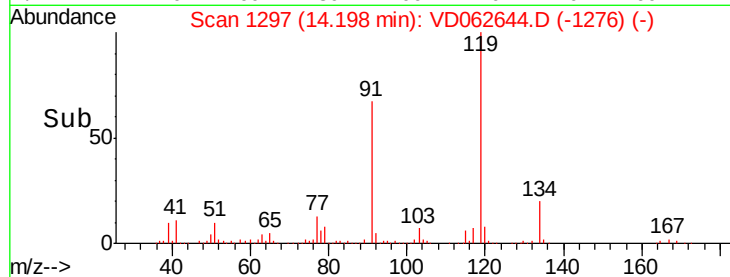
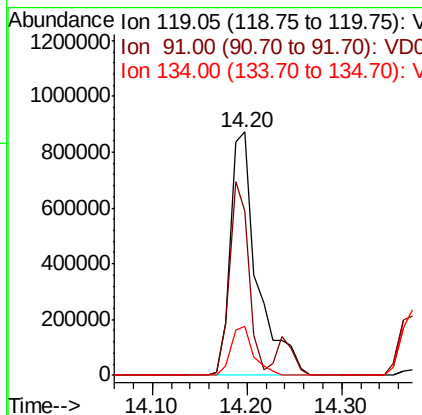
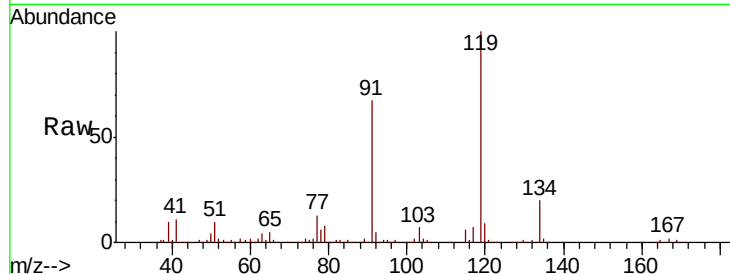


#83
 tert-Butylbenzene
 Concen: 50.818 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1720195

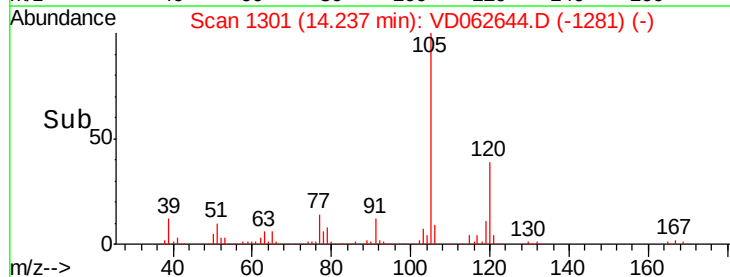
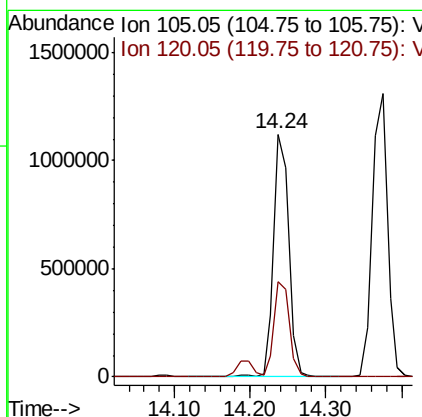
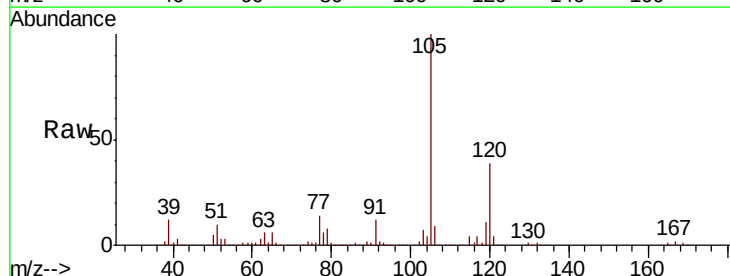
Ion	Ratio	Lower	Upper
119	100		
91	67.5	35.4	106.1
134	20.0	10.8	32.3

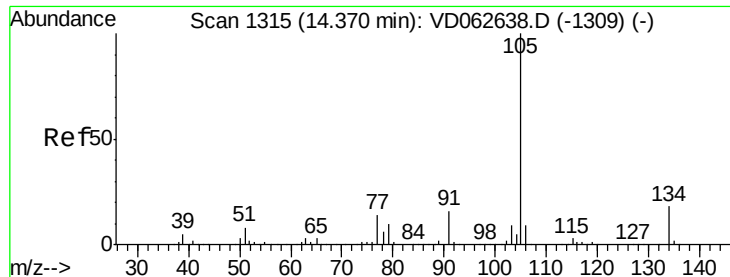


#84
 1,2,4-Trimethylbenzene
 Concen: 51.375 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion:105 Resp: 1561112

Ion	Ratio	Lower	Upper
105	100		
120	39.4	20.3	60.8





#85

sec-Butylbenzene

Concen: 51.238 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

Instrument :

MSVOA_D

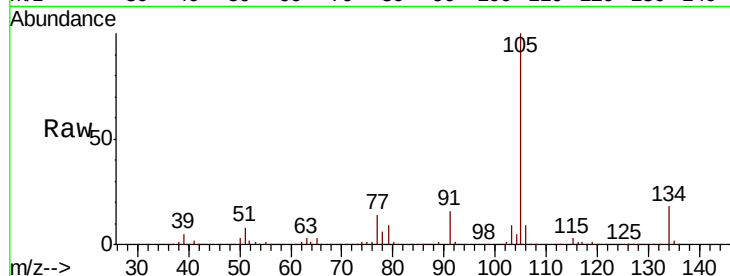
ClientSampled :

Tot Ion:105 Resp: 1818708

Ion Ratio Lower Upper

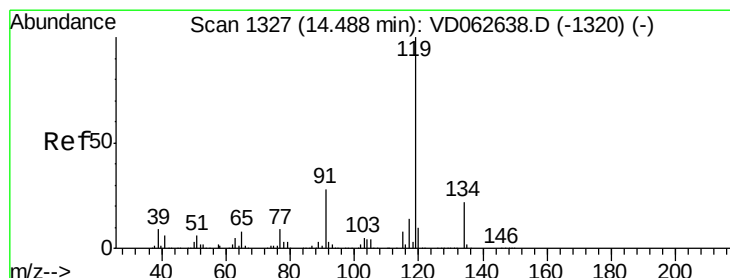
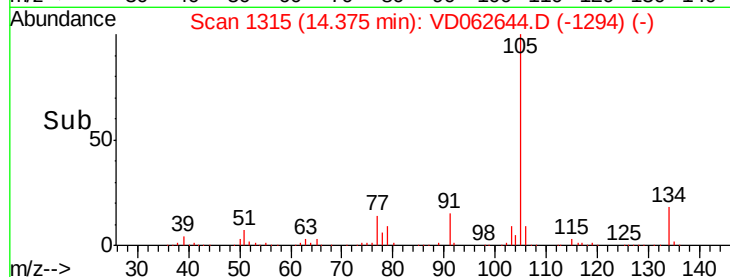
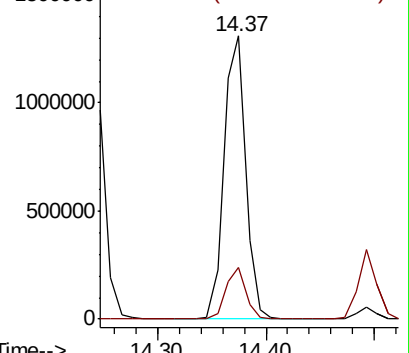
105 100

134 18.0 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.868 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD062644.D

Acq: 7 Jun 2019 17:07

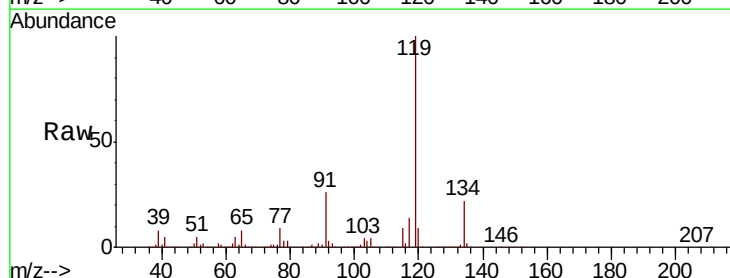
Tgt Ion:119 Resp: 1757952

Ion Ratio Lower Upper

119 100

134 21.9 10.9 32.6

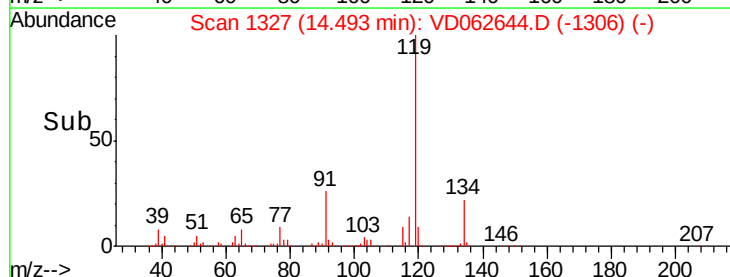
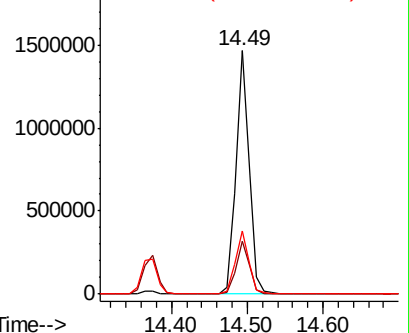
91 26.1 13.9 41.6

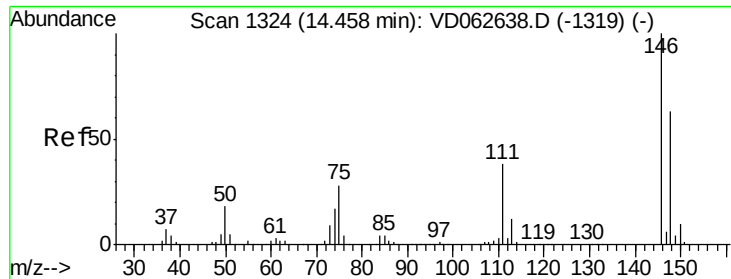


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

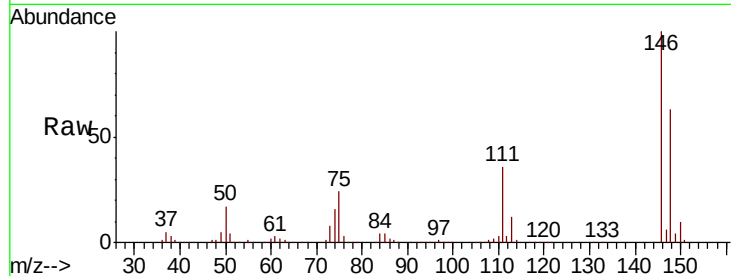




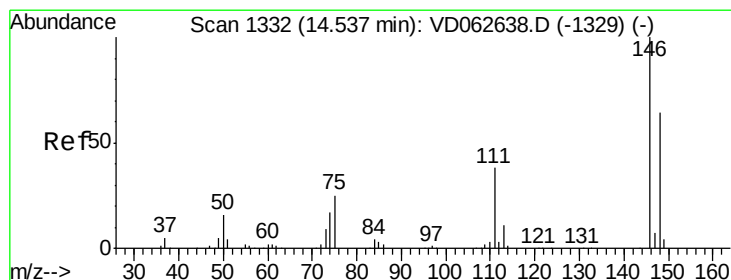
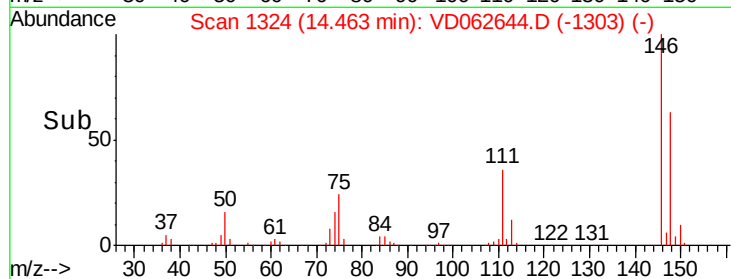
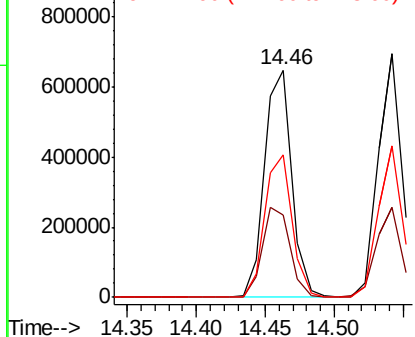
#87
 1,3-Dichlorobenzene
 Concen: 49.735 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 894252
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.2 57.6
 148 62.7 31.6 95.0

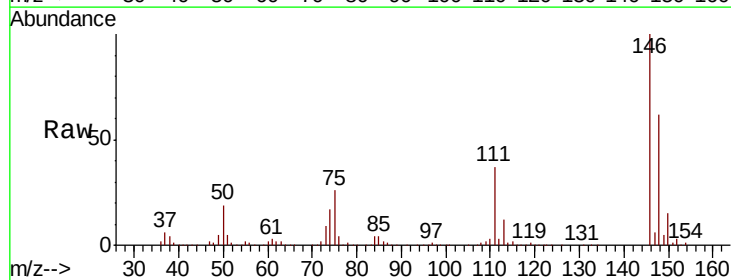


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

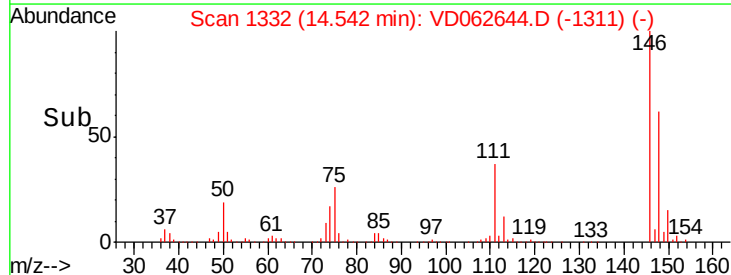
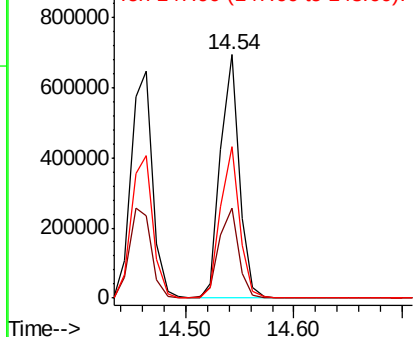


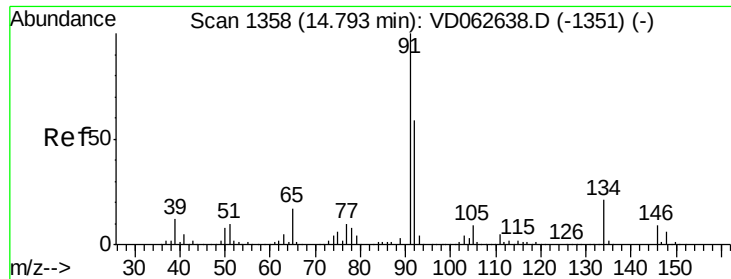
#88
 1,4-Dichlorobenzene
 Concen: 49.736 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion:146 Resp: 845144
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.7
 148 62.3 32.3 96.8



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

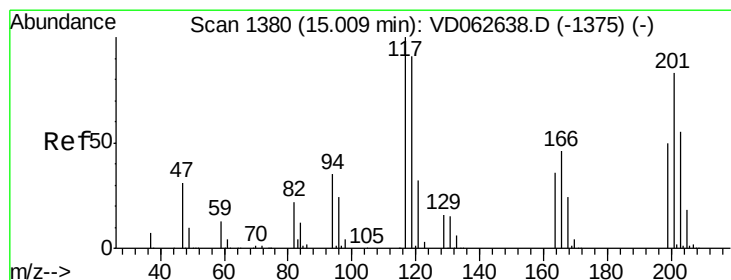
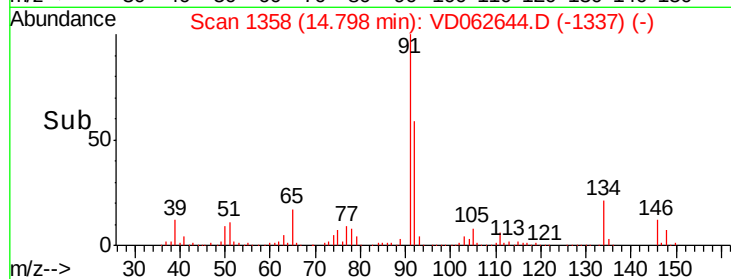
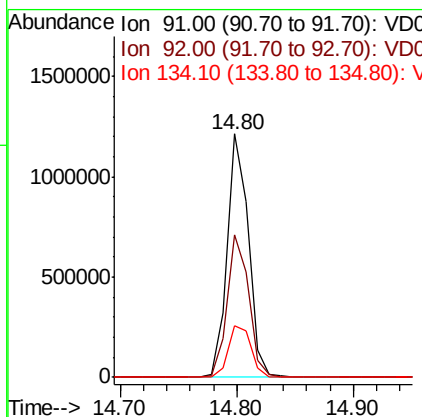
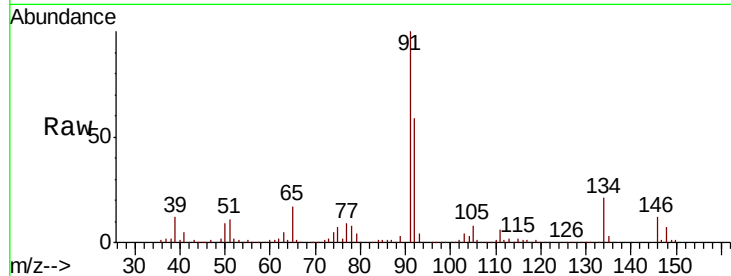




#89
n-Butylbenzene
Concen: 49.320 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

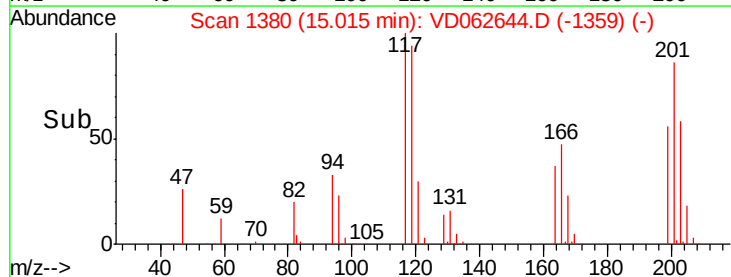
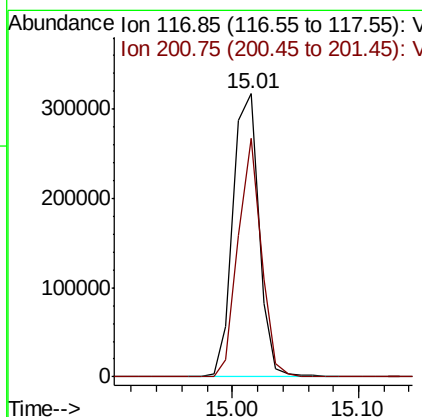
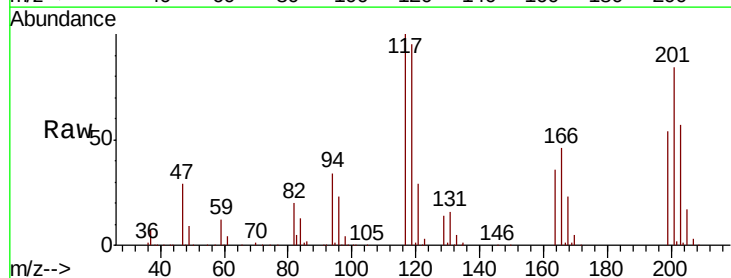
Instrument :
MSVOA_D
ClientSampleId :

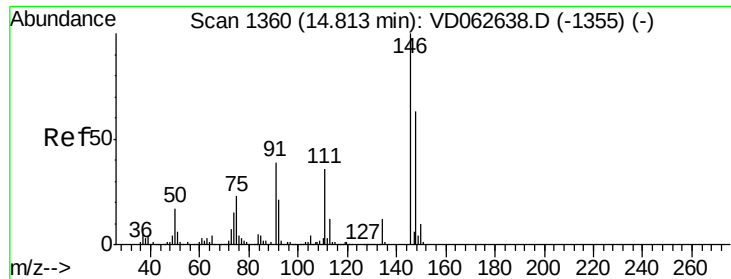
Tot Ion: 91 Resp: 1533388
Ion Ratio Lower Upper
91 100
92 58.5 29.4 88.3
134 21.1 10.4 31.2



#90
Hexachloroethane
Concen: 49.393 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion: 117 Resp: 450631
Ion Ratio Lower Upper
117 100
201 84.5 41.5 124.6

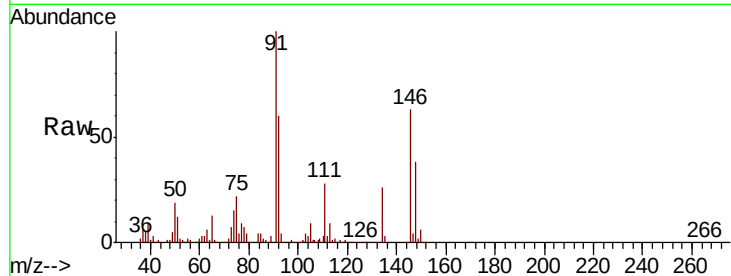




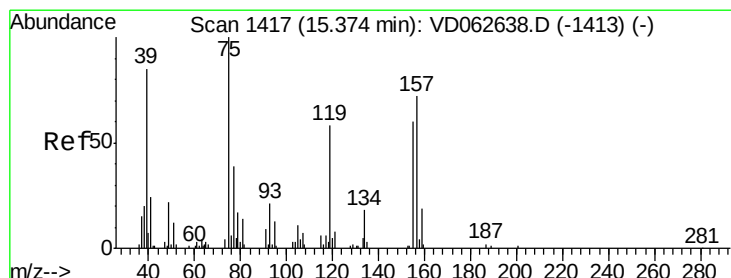
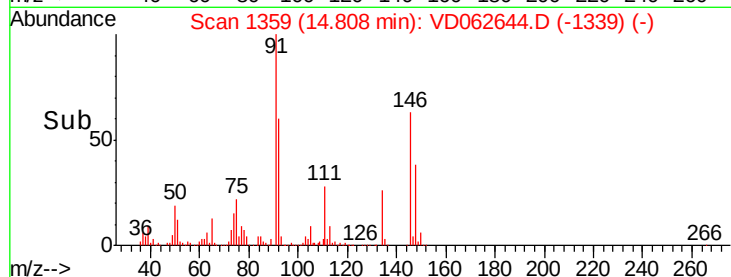
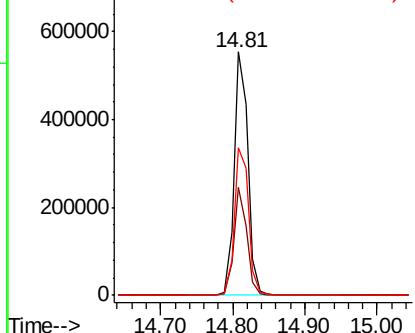
#91
 1,2-Dichlorobenzene
 Concen: 49.475 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.1	54.3
148	60.7	31.4	94.0

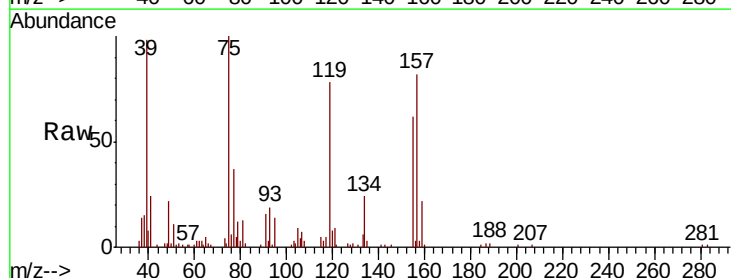


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

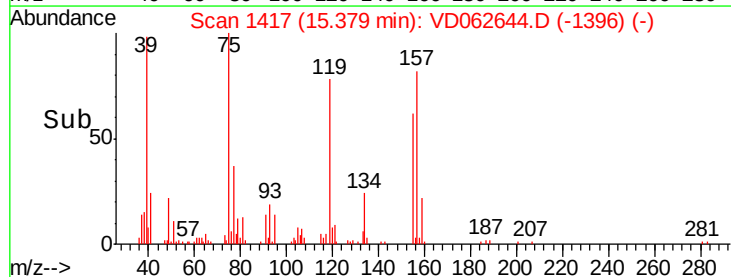
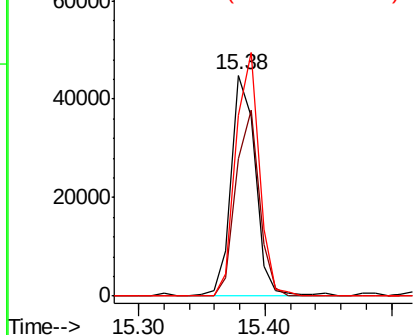


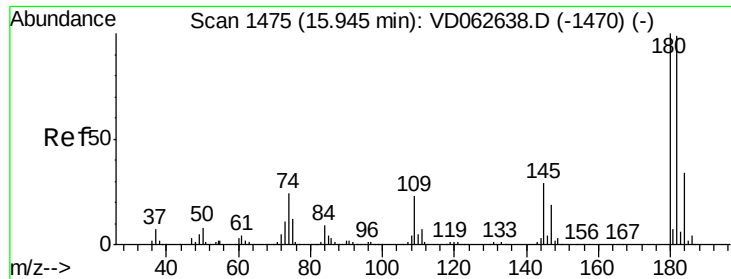
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.104 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062644.D
 Acq: 7 Jun 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.3	30.1	90.5
157	81.7	35.9	107.8



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

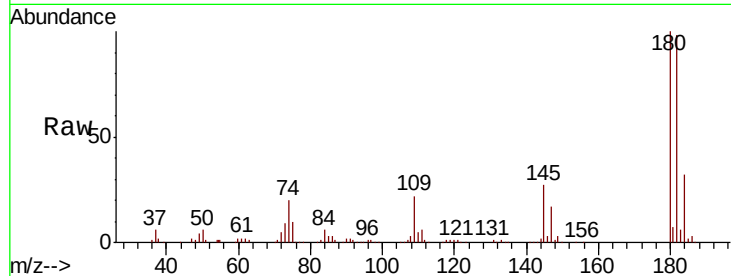




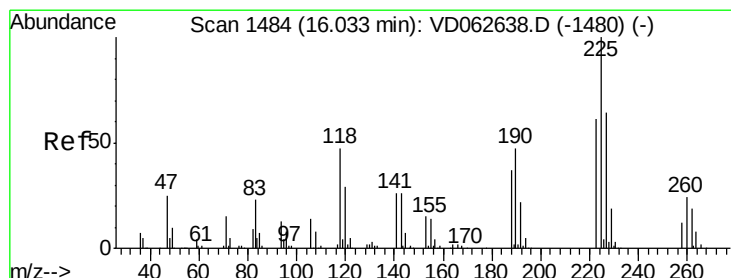
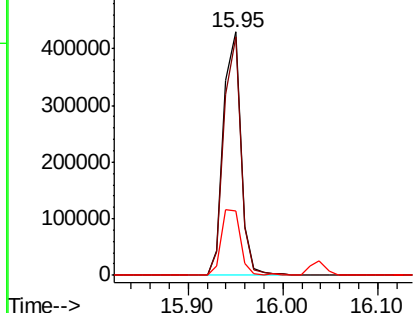
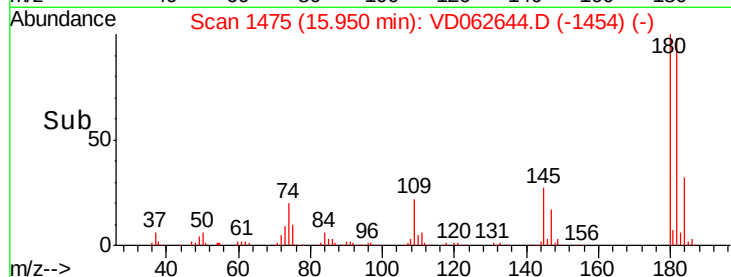
#93
1,2,4-Trichlorobenzene
Concen: 44.036 ug/l
RT: 15.95 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:180 Resp: 552537
Ion Ratio Lower Upper
180 100
182 98.0 49.4 148.2
145 26.6 14.5 43.6

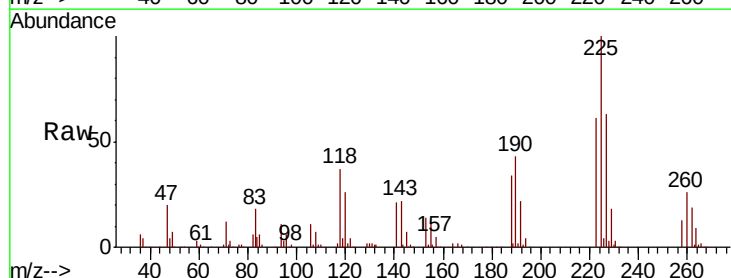


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

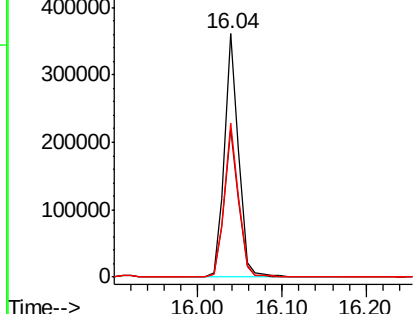
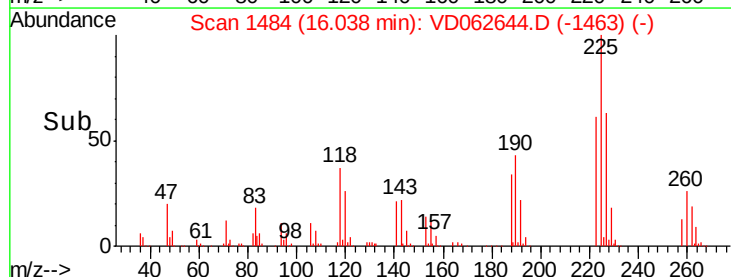


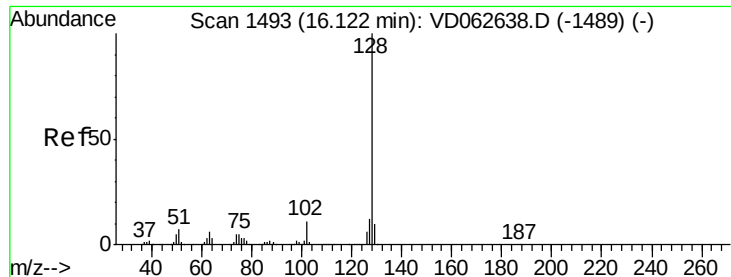
#94
Hexachlorobutadiene
Concen: 47.813 ug/l
RT: 16.04 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:225 Resp: 421927
Ion Ratio Lower Upper
225 100
223 60.5 30.3 91.0
227 63.0 31.8 95.4



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

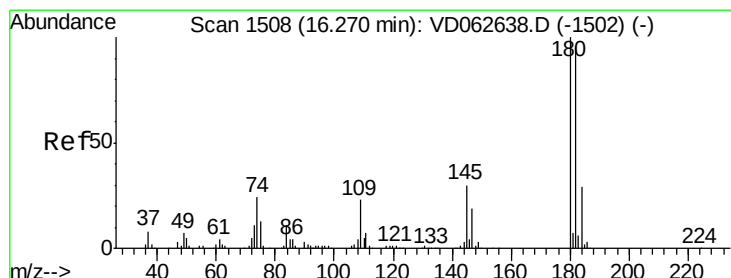
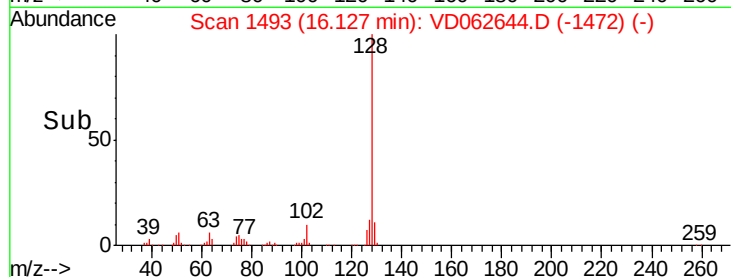
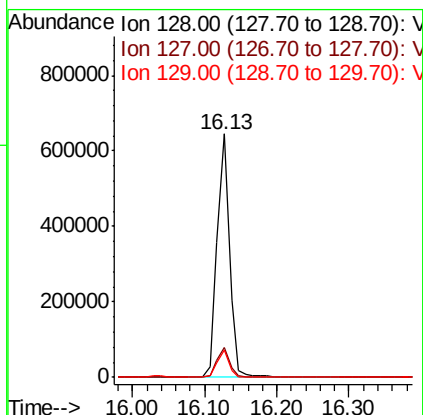
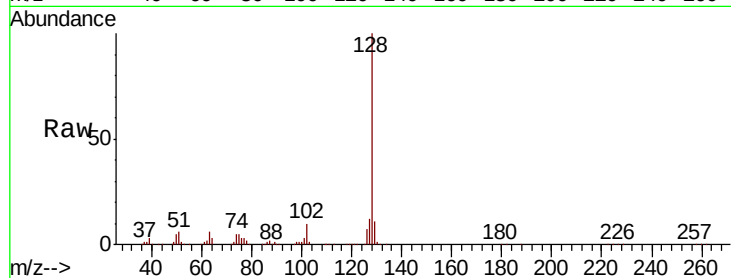




#95
Naphthalene
Concen: 43.040 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 760179
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 11.1 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 45.908 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062644.D
Acq: 7 Jun 2019 17:07

Tgt Ion:180 Resp: 395219
Ion Ratio Lower Upper
180 100
182 101.2 47.7 143.1
145 29.8 15.0 45.0

