

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062666.D
 Acq On : 12 Jun 2019 11:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:22:28 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	7.04	168	814569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1057504	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	918437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	488116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	602691	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	6.91	113	593471	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	10.41	98	1281266	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	13.55	95	543190	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	403389	42.194	ug/l	98
3) Chloromethane	1.75	50	367087	45.545	ug/l	100
4) Vinyl Chloride	1.84	62	378590	45.552	ug/l	97
5) Bromomethane	2.15	94	183252	43.681	ug/l	99
6) Chloroethane	2.26	64	180519	43.993	ug/l	94
7) Trichlorofluoromethane	2.53	101	801478	43.084	ug/l	98
8) Diethyl Ether	2.86	74	127957	50.573	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	464909	46.341	ug/l	95
10) Methyl Iodide	3.30	142	559535	39.349	ug/l	98
11) Tert butyl alcohol	3.99	59	6788	14.049	ug/l	96
12) 1,1-Dichloroethene	3.12	96	359617	49.949	ug/l	98
13) Acrolein	3.02	56	38594	248.326	ug/l	94
14) Allyl chloride	3.61	41	522887	47.234	ug/l	92
15) Acrylonitrile	4.18	53	268001	244.097	ug/l	92
16) Acetone	3.21	43	606681	281.866	ug/l	99
17) Carbon Disulfide	3.37	76	1022654	48.201	ug/l	98
18) Methyl Acetate	3.63	43	155544	43.973	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	855774	48.736	ug/l	98
20) Methylene Chloride	3.80	84	364388	44.762	ug/l	90
21) trans-1,2-Dichloroethene	4.20	96	372826	47.209	ug/l	97
22) Diisopropyl ether	5.11	45	1147985	49.943	ug/l	98
23) Vinyl Acetate	5.05	43	3585109	251.407	ug/l	97
24) 1,1-Dichloroethane	4.97	63	690366	46.686	ug/l	99
25) 2-Butanone	6.06	43	564084	268.634	ug/l	96
26) 2,2-Dichloropropane	6.01	77	888908	52.158	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	428081	50.001	ug/l	99
28) Bromochloromethane	6.43	49	286107	50.615	ug/l	94
29) Tetrahydrofuran	6.45	42	228428	241.565	ug/l	99
30) Chloroform	6.65	83	929139	48.973	ug/l	95
31) Cyclohexane	6.94	56	460555	49.650	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	939242	49.752	ug/l	97
36) 1,1-Dichloropropene	7.14	75	599895	49.565	ug/l	96
37) Ethyl Acetate	6.17	43	241784	46.928	ug/l #	93
38) Carbon Tetrachloride	7.10	117	1039989	54.364	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	523536	53.529	ug/l	90
40) Benzene	7.44	78	1166478	49.352	ug/l	100
41) Methacrylonitrile	6.44	41	317988	50.190	ug/l	93
42) 1,2-Dichloroethane	7.57	62	708873	50.317	ug/l	96
43) Isopropyl Acetate	9.23	43	333784	52.267	ug/l	97
44) Trichloroethene	8.53	130	488800	50.940	ug/l	98
45) 1,2-Dichloropropane	8.93	63	296271	52.185	ug/l	99
46) Dibromomethane	9.06	93	267543	53.089	ug/l	93
47) Bromodichloromethane	9.36	83	696064	50.775	ug/l	99
48) Methyl methacrylate	9.12	41	229056	49.648	ug/l #	82
49) 1,4-Dioxane	9.08	88	41375	1002.738	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1160966	259.811	ug/l	98
52) Toluene	10.50	92	828529	52.148	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	586680	52.197	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	617287	53.138	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	279308	51.262	ug/l	96
56) Ethyl methacrylate	11.04	69	287694	44.309	ug/l	90
57) 1,3-Dichloropropane	11.40	76	417559	49.445	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	590176	202.660	ug/l	97
59) 2-Hexanone	11.53	43	907673	273.071	ug/l	99
60) Dibromochloromethane	11.68	129	558213	51.899	ug/l	97
61) 1,2-Dibromoethane	11.79	107	331674	50.862	ug/l	92
64) Tetrachloroethene	11.25	164	429560	49.963	ug/l	96
65) Chlorobenzene	12.39	112	1034739	50.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	491561	50.733	ug/l	99
67) Ethyl Benzene	12.52	91	1829293	50.786	ug/l	99
68) m/p-Xylenes	12.66	106	1280669	101.136	ug/l	98
69) o-Xylene	13.04	106	626672	53.886	ug/l	92
70) Styrene	13.06	104	1053537	50.772	ug/l	99
71) Bromoform	13.23	173	358161	48.289	ug/l	96
73) Isopropylbenzene	13.40	105	1679914	48.828	ug/l	98
74) N-amyl acetate	13.26	43	506291	54.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	312661	53.111	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	341373	51.580	ug/l	96
77) Bromobenzene	13.66	156	529201	53.816	ug/l	94
78) n-propylbenzene	13.77	91	2134702	50.689	ug/l	94
79) 2-Chlorotoluene	13.83	91	1247011	50.572	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1533260	50.425	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	91595	46.927	ug/l	94
82) 4-Chlorotoluene	13.94	91	1497913	50.796	ug/l	95
83) tert-Butylbenzene	14.19	119	1903321	56.753	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1694781	56.294	ug/l	98
85) sec-Butylbenzene	14.36	105	1864927	53.031	ug/l	98
86) p-Isopropyltoluene	14.48	119	1752884	51.195	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	891922	50.068	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	898982	53.398	ug/l	97
89) n-Butylbenzene	14.80	91	1614868	52.426	ug/l	96
90) Hexachloroethane	15.00	117	493177	54.560	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	769826	51.986	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62282	49.530	ug/l #	46

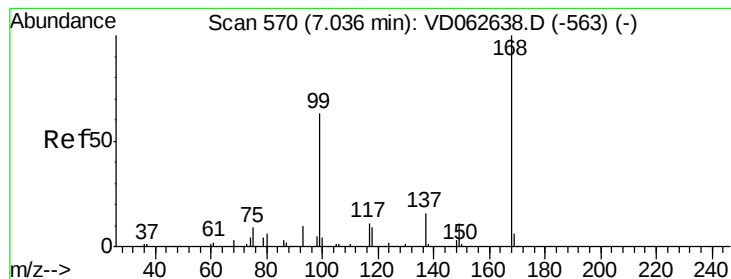
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	584090	46.746	ug/l	99
94) Hexachlorobutadiene	16.04	225	451872	51.684	ug/l	99
95) Naphthalene	16.12	128	814474	46.263	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	449153	52.659	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

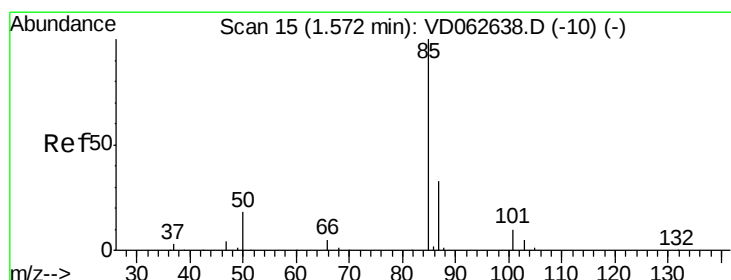
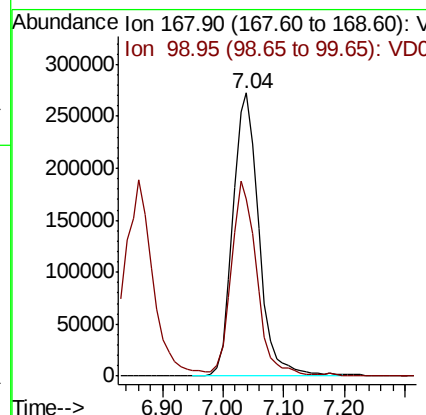
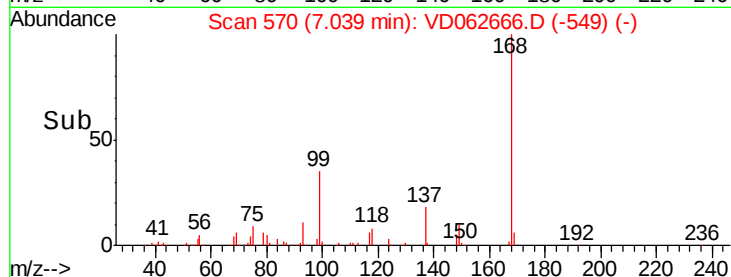
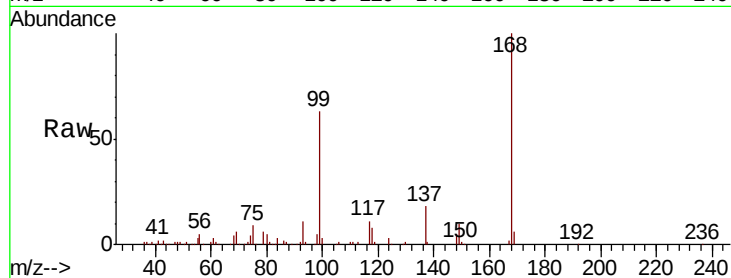
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 814569

Ion Ratio Lower Upper

168 100

99 62.6 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 42.194 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062666.D

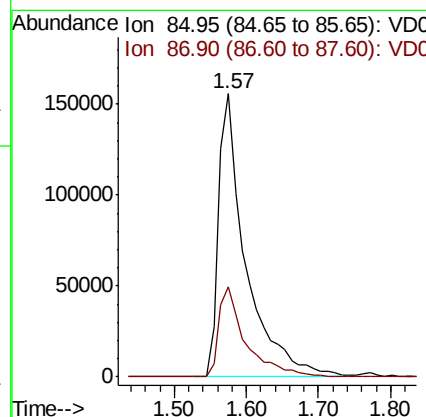
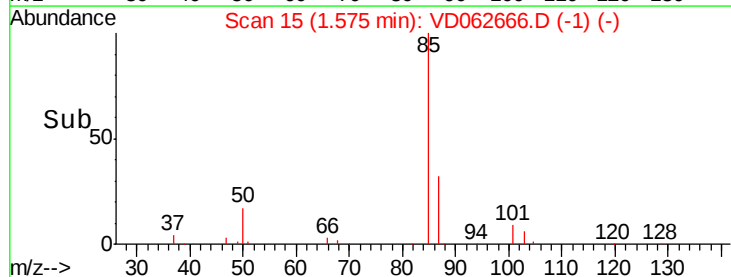
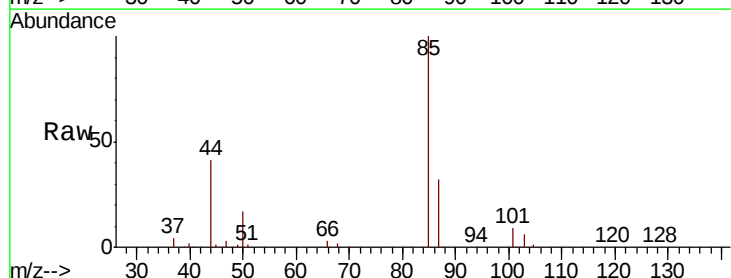
Acq: 12 Jun 2019 11:12

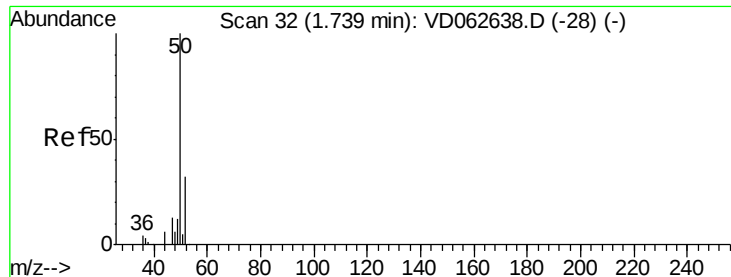
Tgt Ion: 85 Resp: 403389

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7





#3

Chloromethane

Concen: 45.545 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

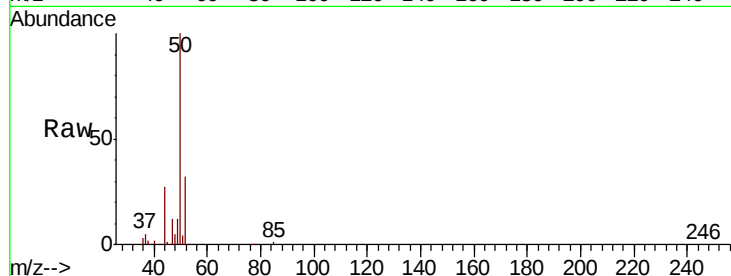
ClientSampleId :

Tot Ion: 50 Resp: 367087

Ion Ratio Lower Upper

50 100

52 32.4 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

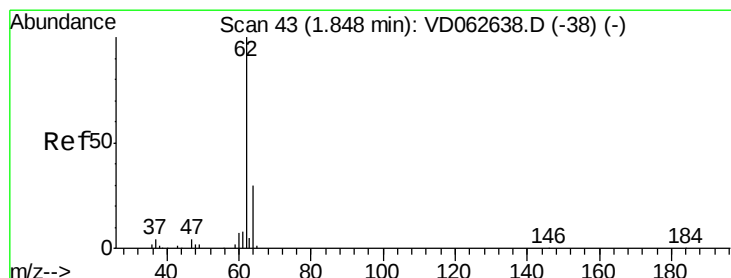
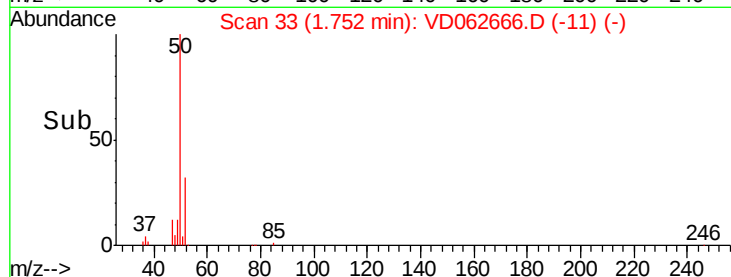
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 45.552 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062666.D

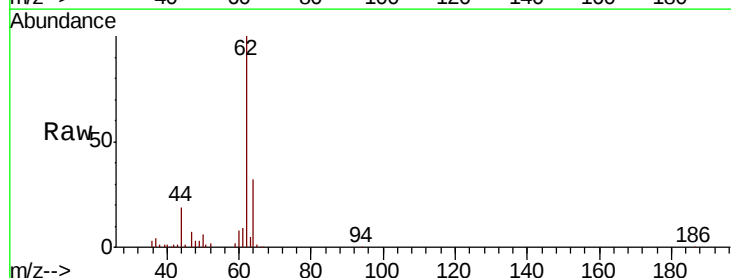
Acq: 12 Jun 2019 11:12

Tgt Ion: 62 Resp: 378590

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

150000

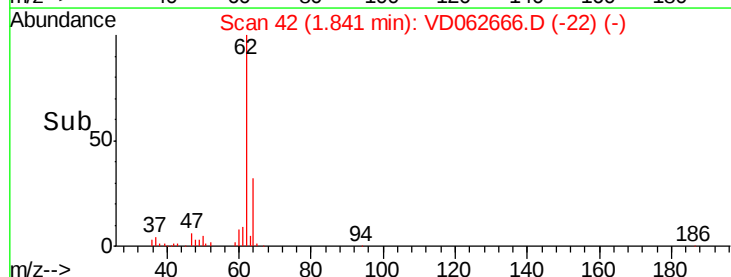
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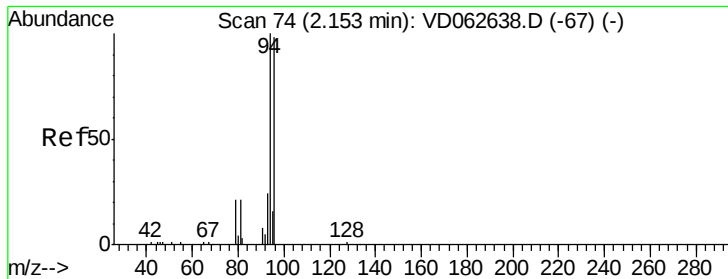
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 43.681 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

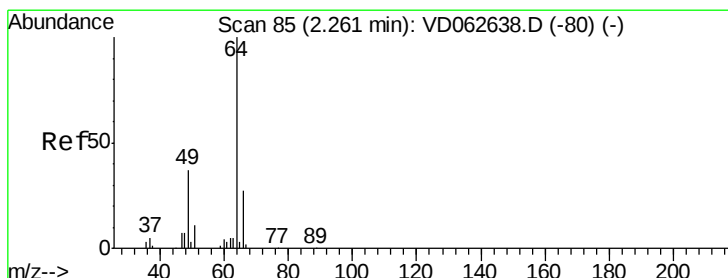
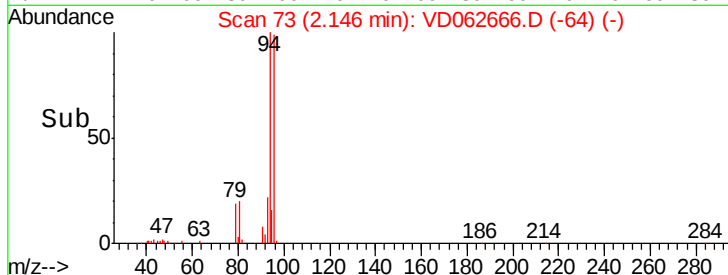
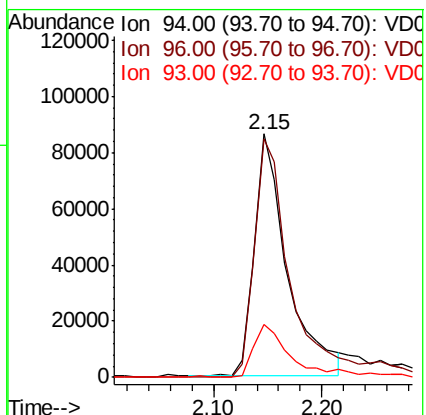
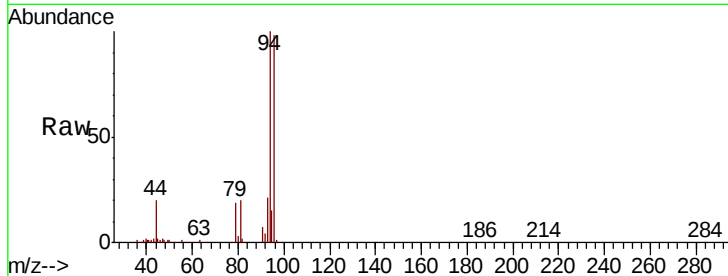
Tot Ion: 94 Resp: 183252

Ion Ratio Lower Upper

94 100

96 97.7 78.1 117.1

93 21.5 19.6 29.4



#6

Chloroethane

Concen: 43.993 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062666.D

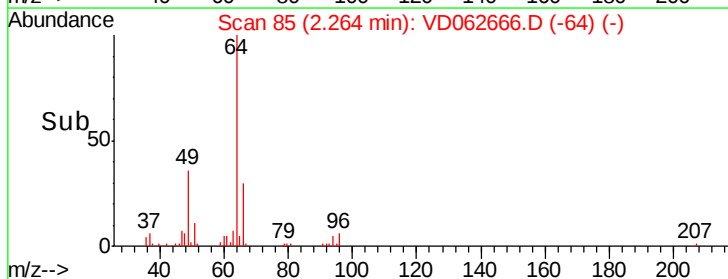
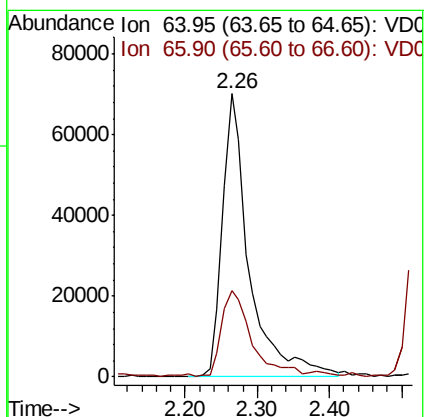
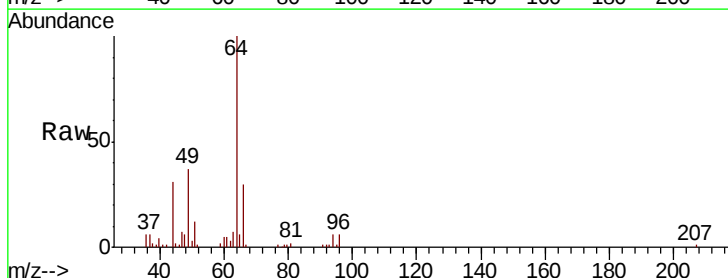
Acq: 12 Jun 2019 11:12

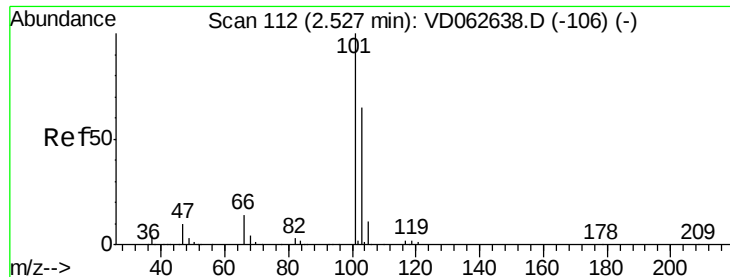
Tgt Ion: 64 Resp: 180519

Ion Ratio Lower Upper

64 100

66 30.4 21.9 32.9



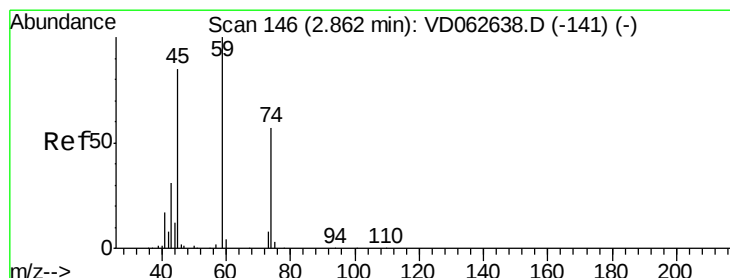
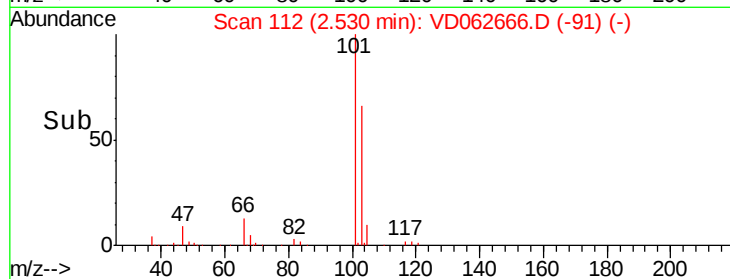
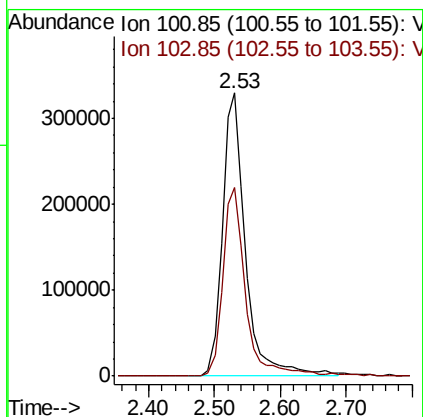
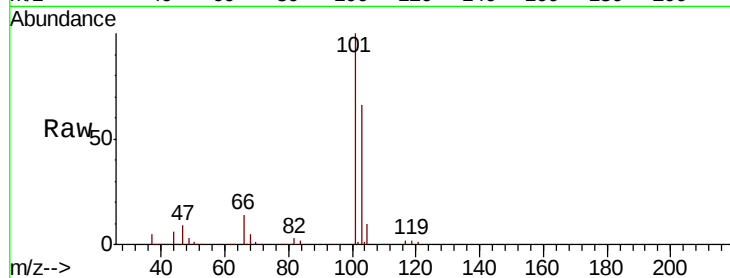


#7

Trichlorofluoromethane
Concen: 43.084 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

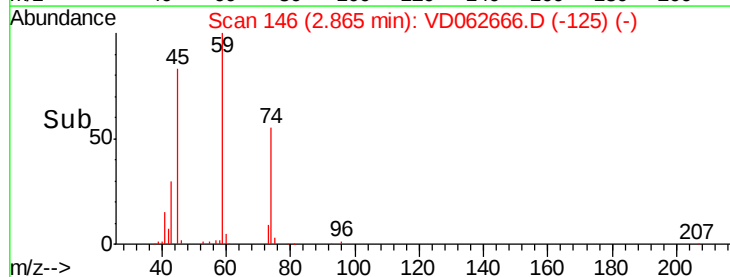
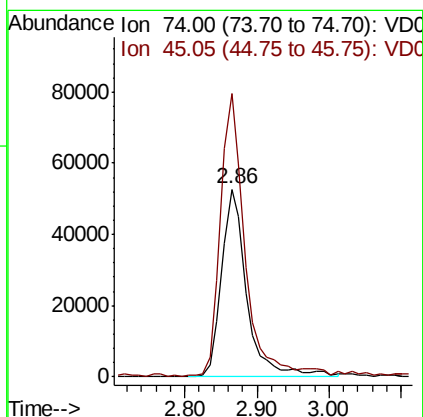
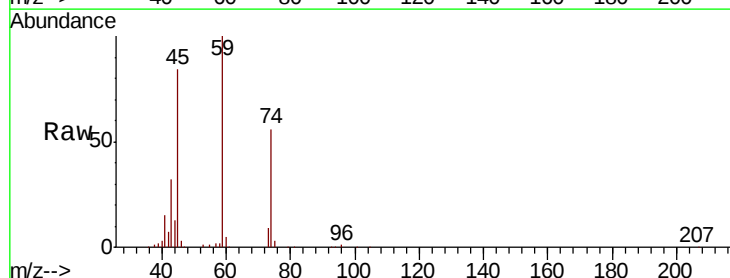
Tot Ion:101 Resp: 801478
Ion Ratio Lower Upper
101 100
103 66.5 52.2 78.2

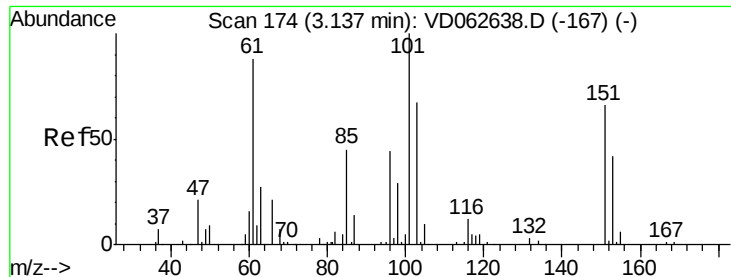


#8

Diethyl Ether
Concen: 50.573 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 74 Resp: 127957
Ion Ratio Lower Upper
74 100
45 150.9 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.341 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

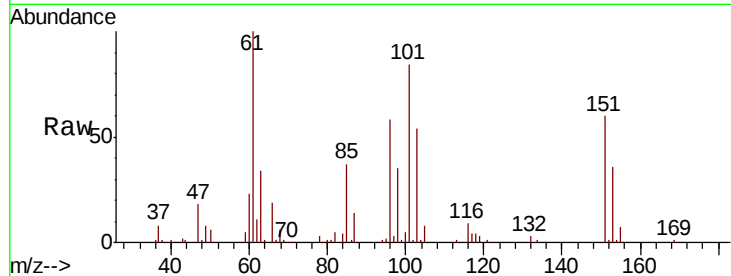
Tot Ion:101 Resp: 464909

Ion Ratio Lower Upper

101 100

85 44.7 36.0 54.0

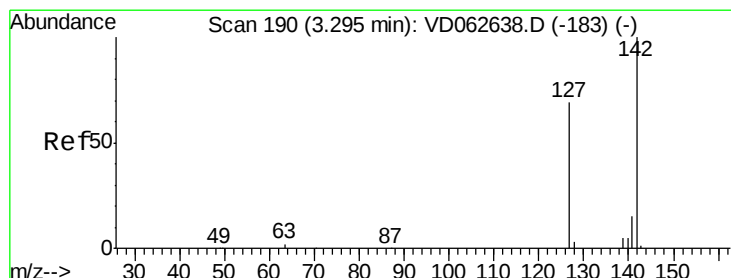
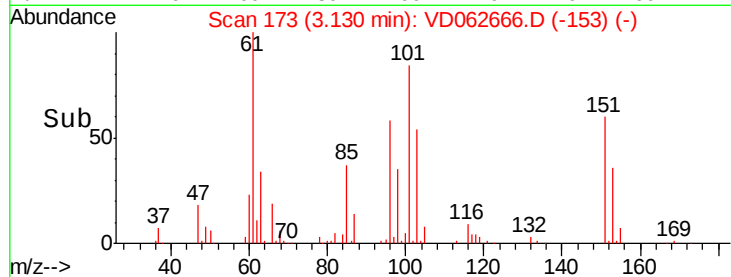
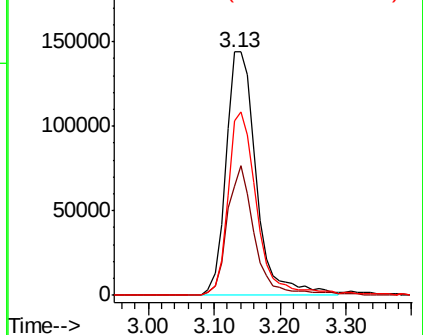
151 71.9 52.6 79.0



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: 39.349 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

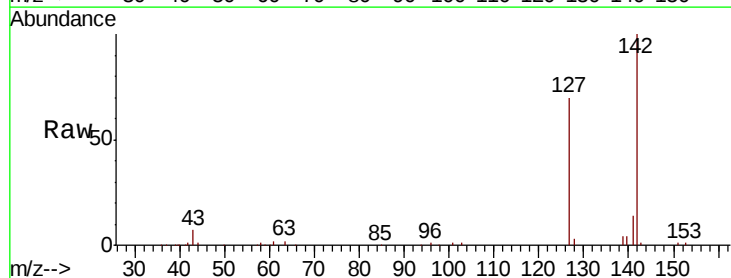
Tgt Ion:142 Resp: 559535

Ion Ratio Lower Upper

142 100

127 70.0 55.2 82.8

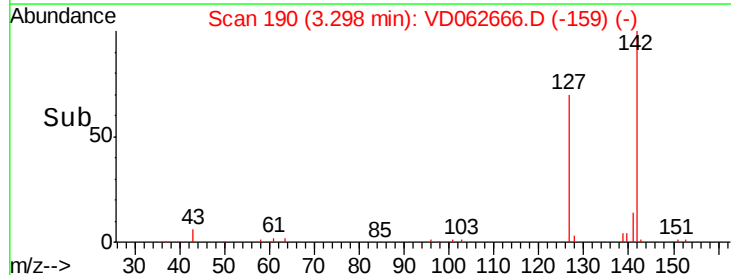
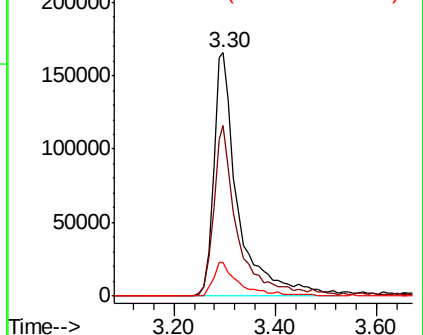
141 13.8 12.1 18.1

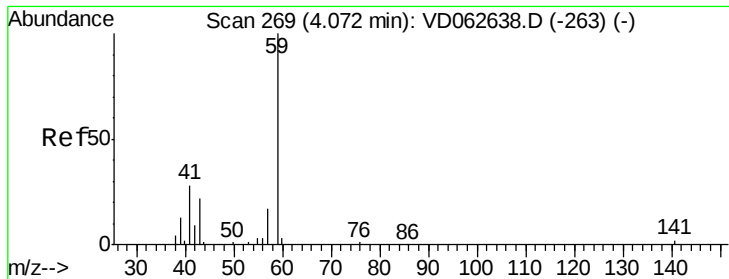


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

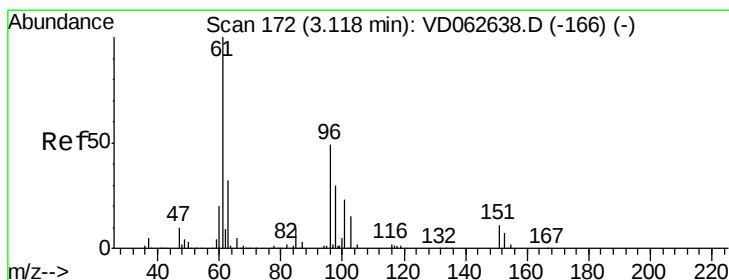
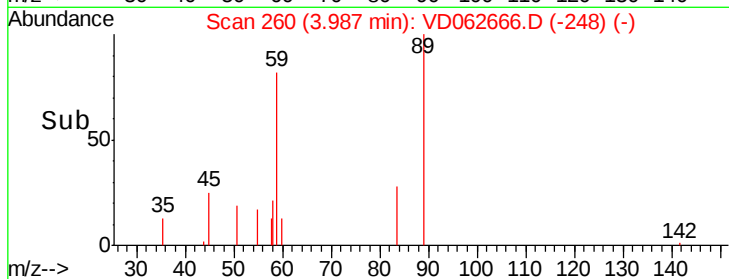
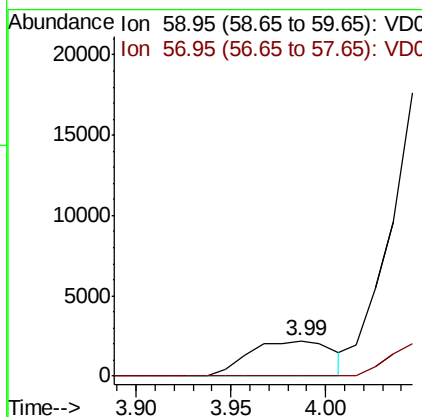
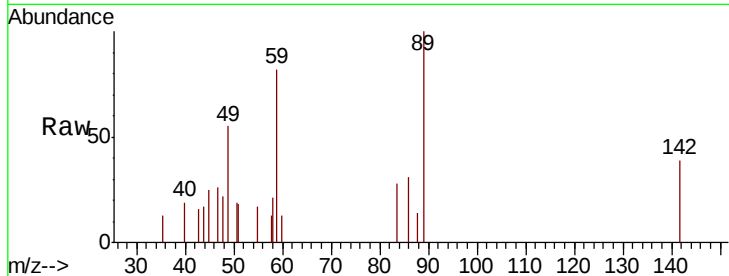




#11
Tert butyl alcohol
Concen: 14.049 ug/l
RT: 3.99 min Scan# 260
Delta R.T. -0.09 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

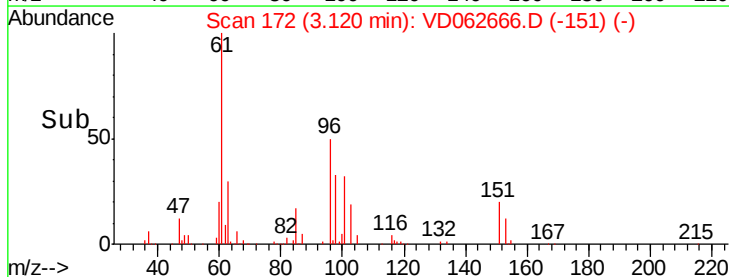
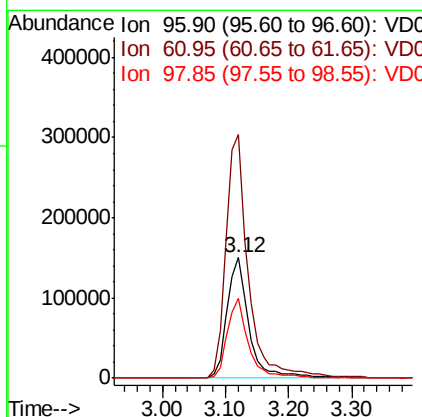
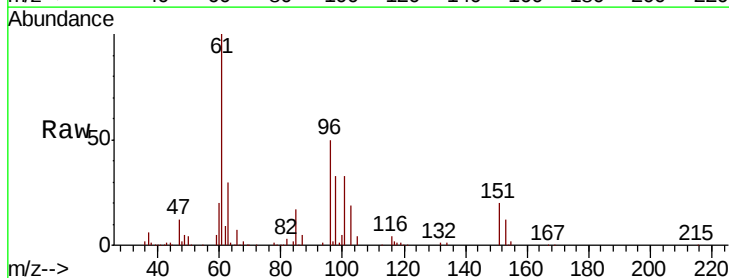
Instrument :
MSVOA_D
ClientSampleId :

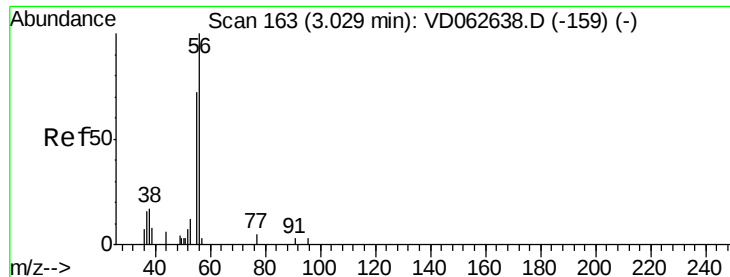
Tot Ion: 59 Resp: 6788
Ion Ratio Lower Upper
59 100
57 15.3 13.7 20.5



#12
1,1-Dichloroethene
Concen: 49.949 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 96 Resp: 359617
Ion Ratio Lower Upper
96 100
61 201.9 161.8 242.8
98 65.9 48.2 72.4





#13

Acrolein

Concen: 248.326 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

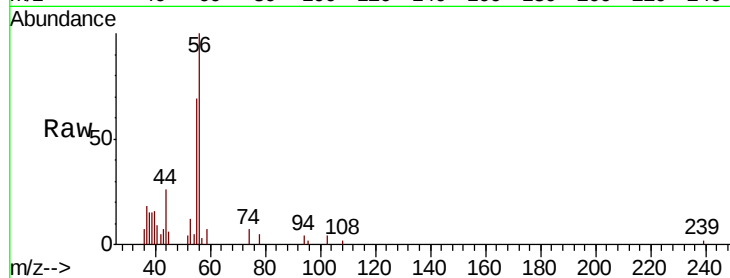
ClientSampleId :

Tot Ion: 56 Resp: 38594

Ion Ratio Lower Upper

56 100

55 69.3 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

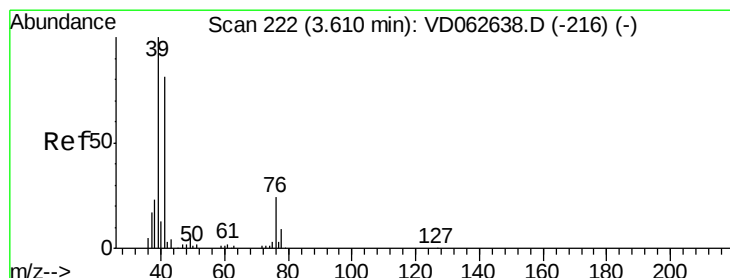
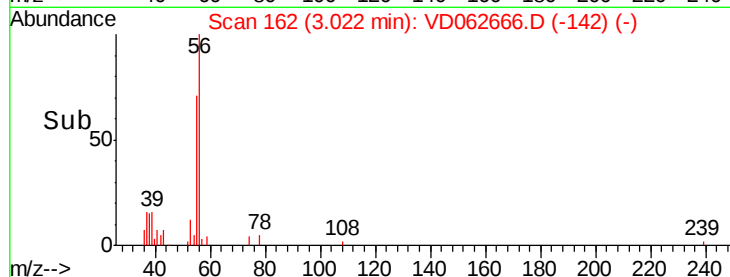
10000

5000

0

Time--> 2.90 3.00 3.10

3.02



#14

Allyl chloride

Concen: 47.234 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

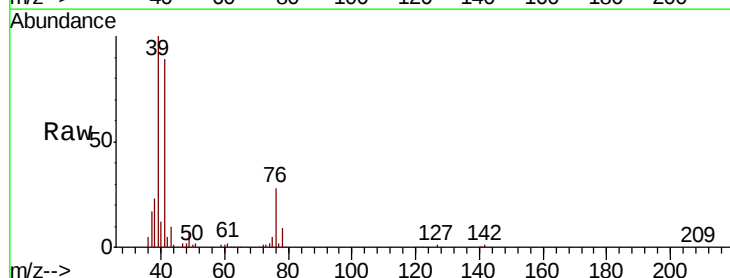
Tgt Ion: 41 Resp: 522887

Ion Ratio Lower Upper

41 100

39 112.9 99.1 148.7

76 31.7 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

250000

200000

150000

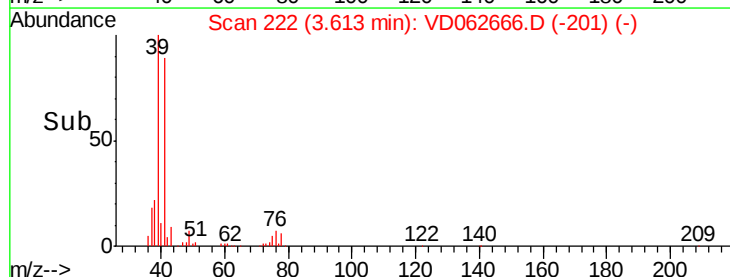
100000

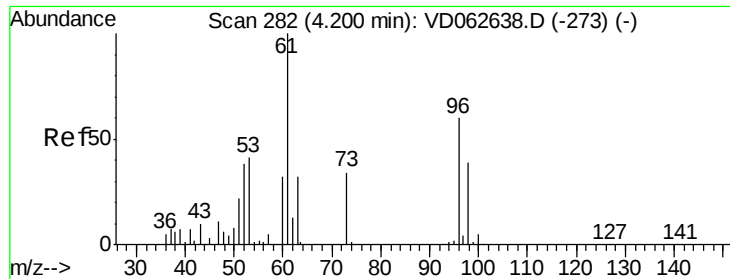
50000

0

Time--> 3.50 3.60 3.70 3.80

3.61

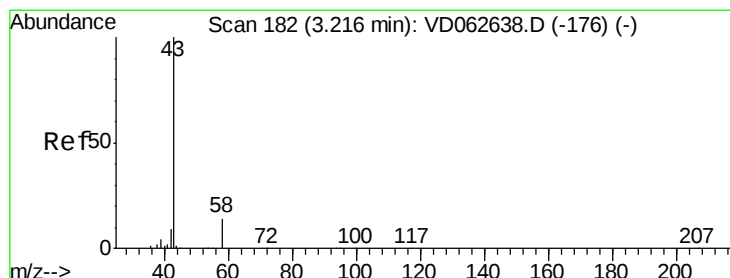
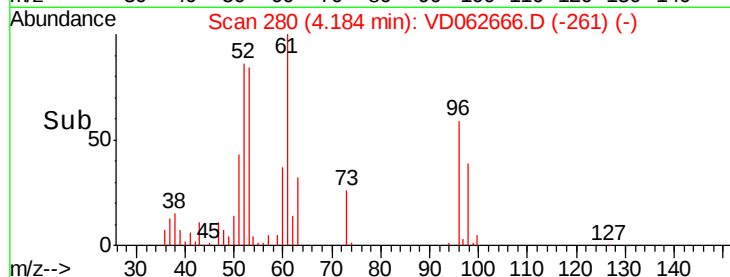
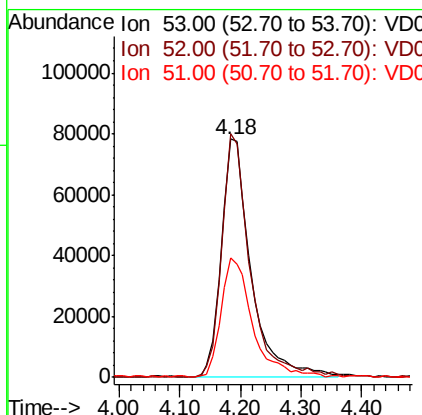
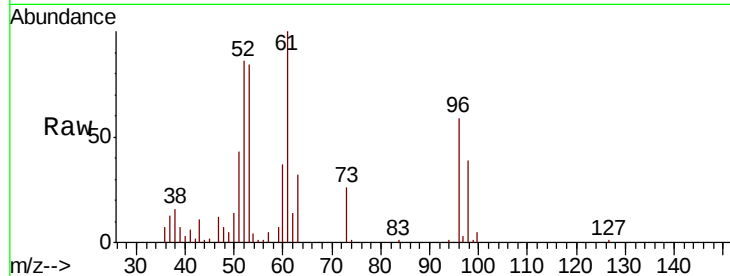




#15
 Acrylonitrile
 Concen: 244.097 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

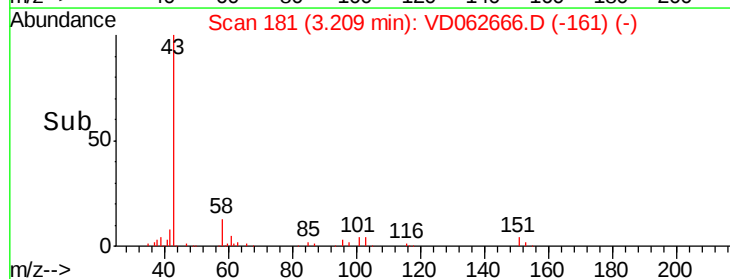
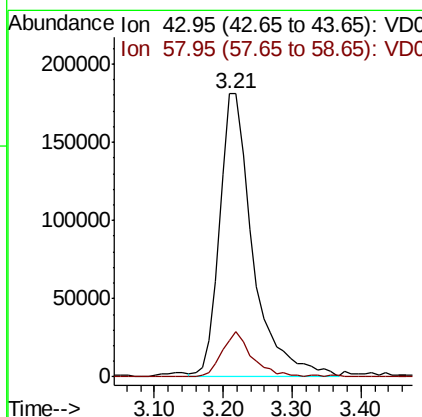
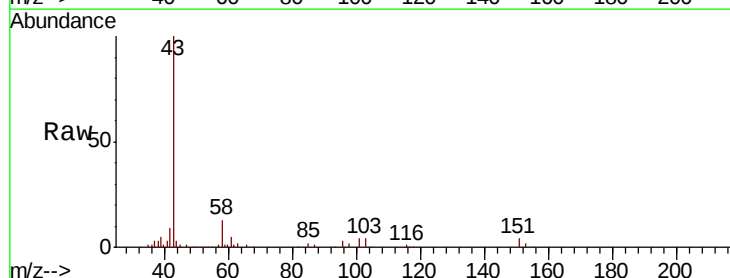
Instrument :
 MSVOA_D
 ClientSampleId :

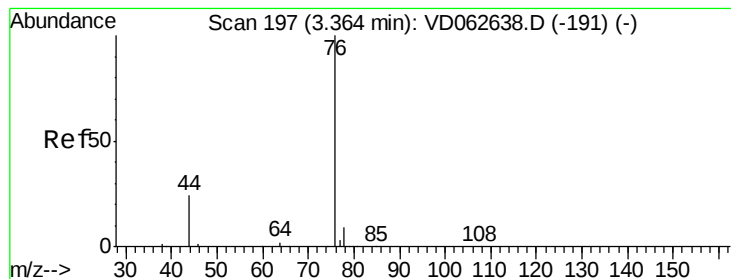
Tot Ion: 53 Resp: 268001
 Ion Ratio Lower Upper
 53 100
 52 102.3 73.6 110.4
 51 50.5 42.0 63.0



#16
 Acetone
 Concen: 281.866 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 606681
 Ion Ratio Lower Upper
 43 100
 58 13.0 10.8 16.2





#17

Carbon Disulfide

Concen: 48.201 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

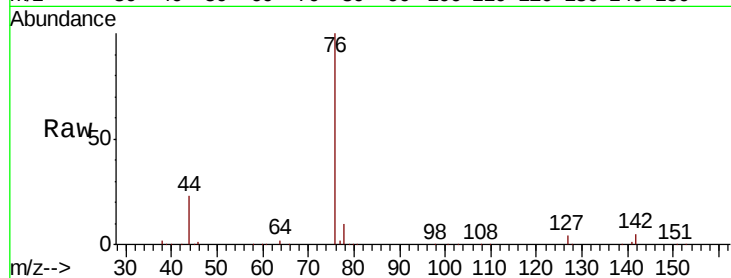
ClientSampleId :

Tot Ion: 76 Resp: 1022654

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

400000

300000

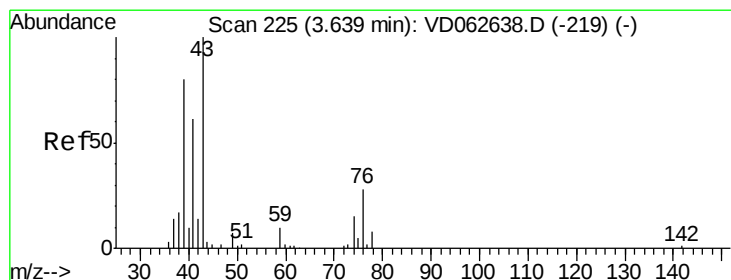
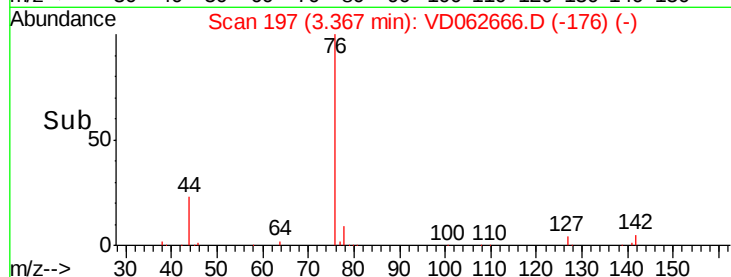
200000

100000

0

Time-->

3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 43.973 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062666.D

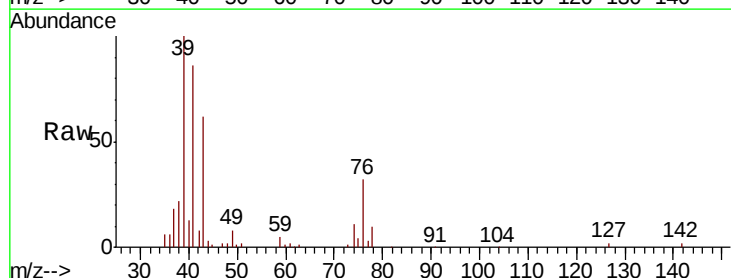
Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 155544

Ion Ratio Lower Upper

43 100

74 16.9 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

60000

50000

40000

30000

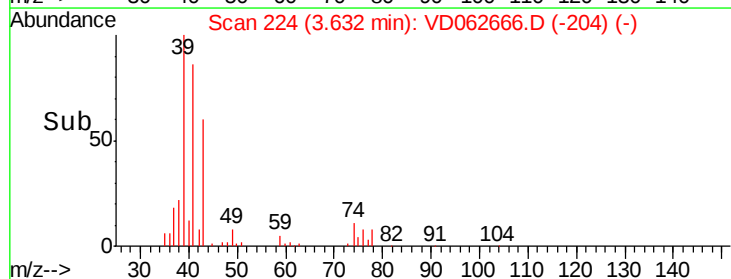
20000

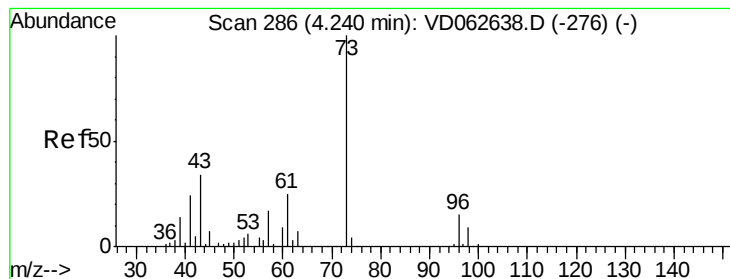
10000

0

Time-->

3.50 3.60 3.70 3.80



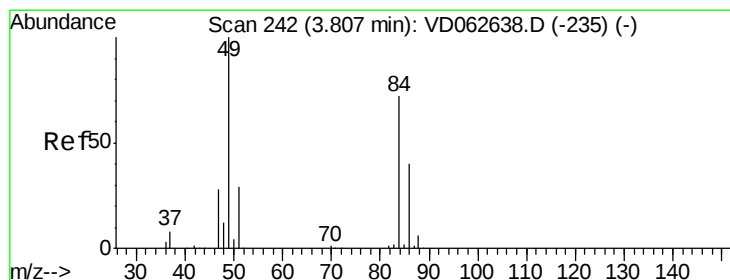
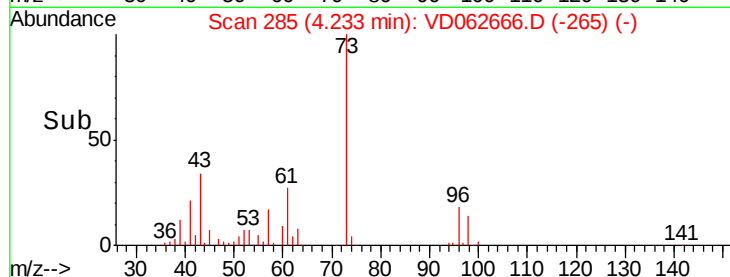
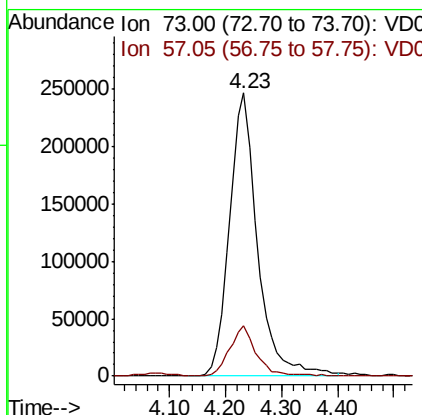
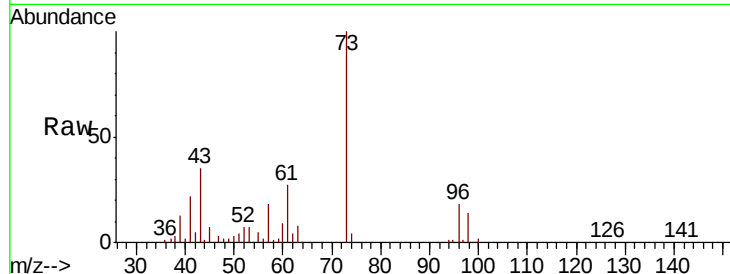


#19

Methyl tert-butyl Ether
 Concen: 48.736 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Instrument :
 MSVOA_D
 ClientSampled :

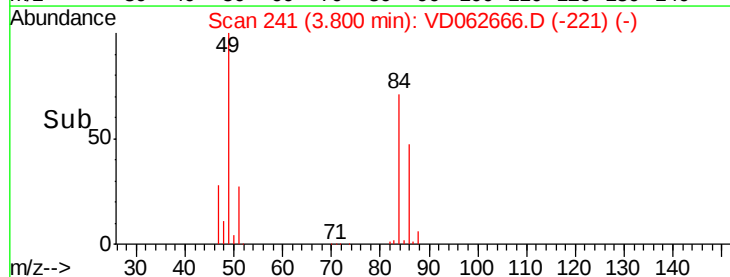
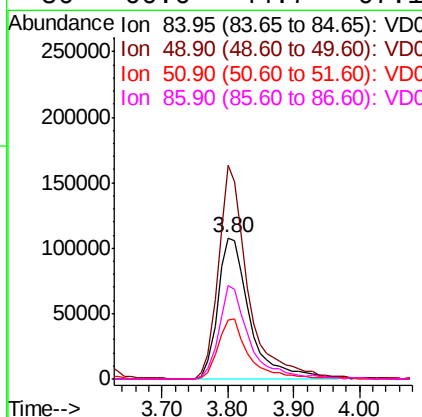
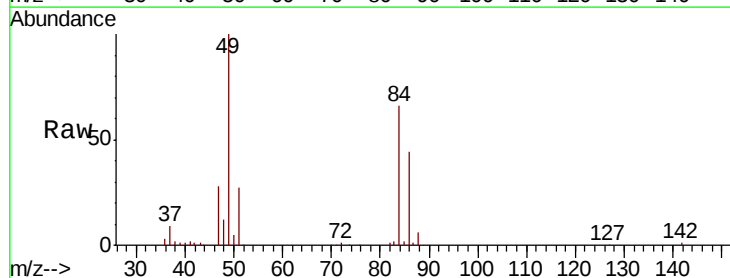
Tot Ion: 73 Resp: 855774
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.5 20.3

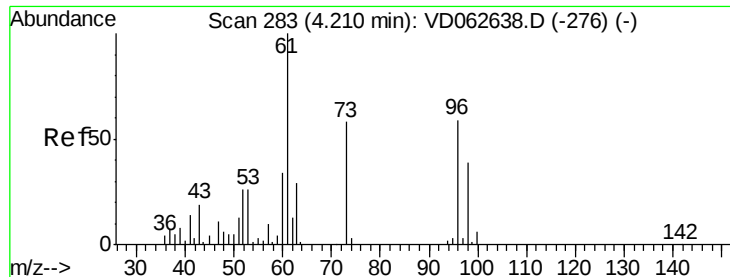


#20

Methylene Chloride
 Concen: 44.762 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 84 Resp: 364388
 Ion Ratio Lower Upper
 84 100
 49 151.5 111.2 166.8
 51 41.5 31.9 47.9
 86 66.6 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 47.209 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

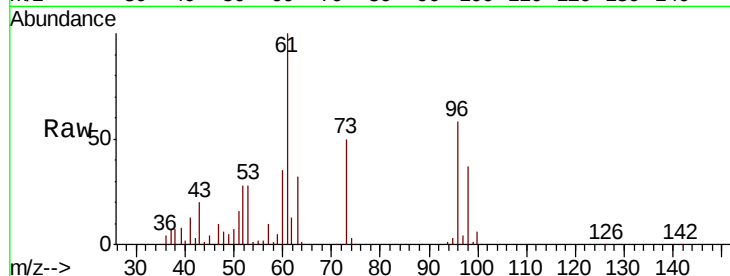
Tot Ion: 96 Resp: 372826

Ion Ratio Lower Upper

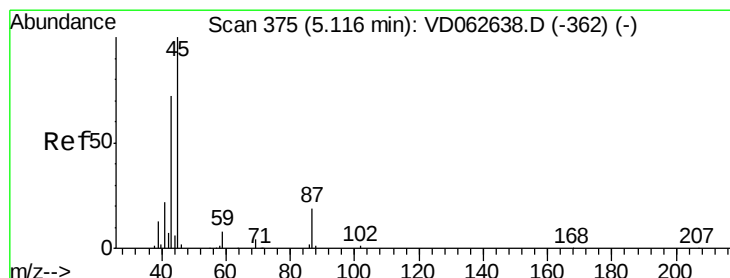
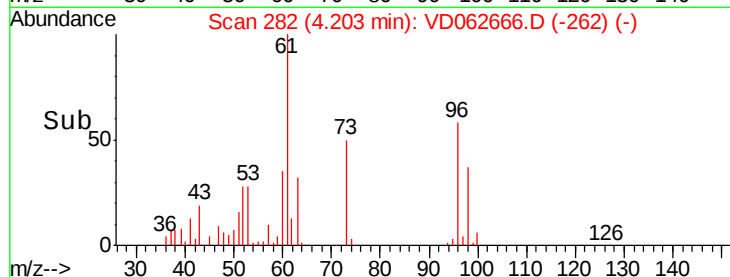
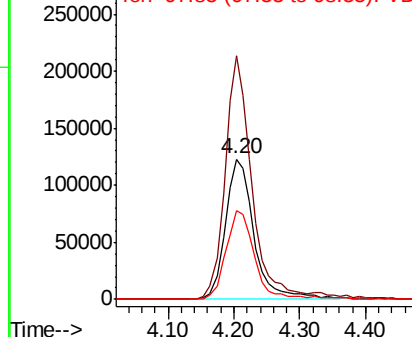
96 100

61 173.8 134.6 201.8

98 63.6 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: 49.943 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Tgt Ion: 45 Resp: 1147985

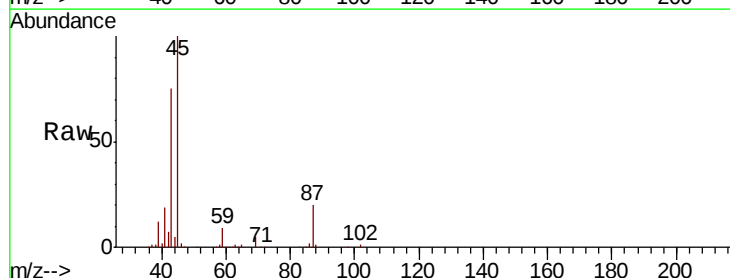
Ion Ratio Lower Upper

45 100

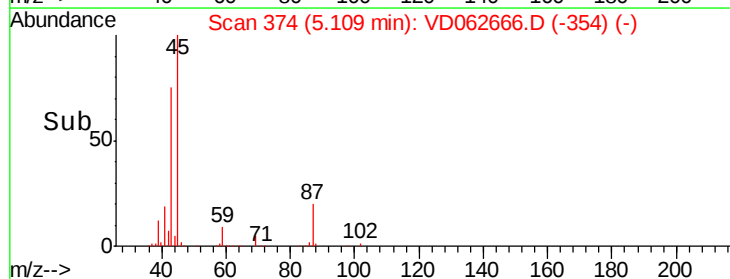
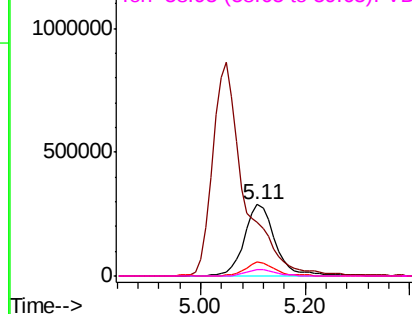
43 75.1 58.8 88.2

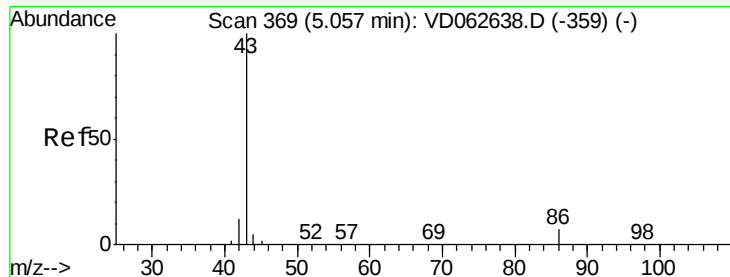
87 19.9 15.7 23.5

59 9.1 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: 251.407 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

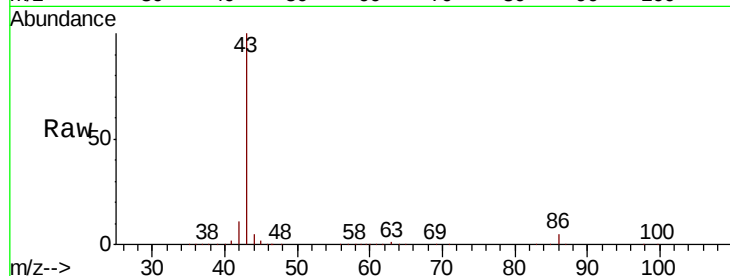
ClientSampleId :

Tot Ion: 43 Resp: 3585109

Ion Ratio Lower Upper

43 100

86 5.4 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

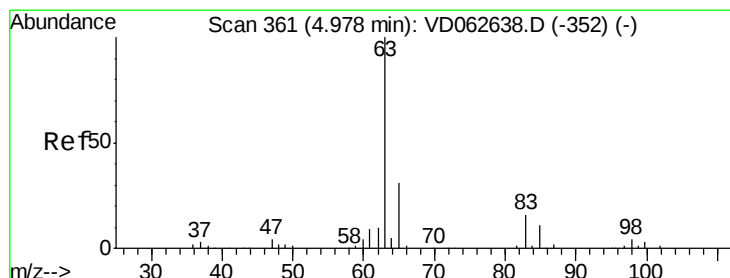
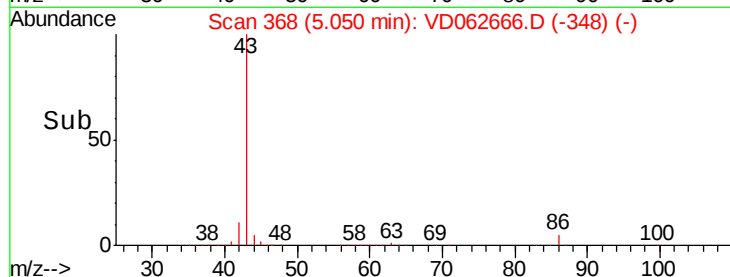
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.686 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

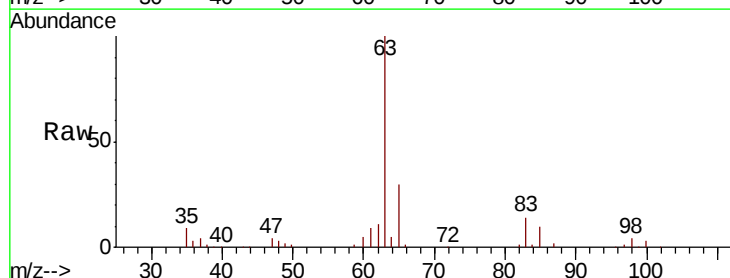
Tgt Ion: 63 Resp: 690366

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.4

100 2.8 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

4.97

250000

200000

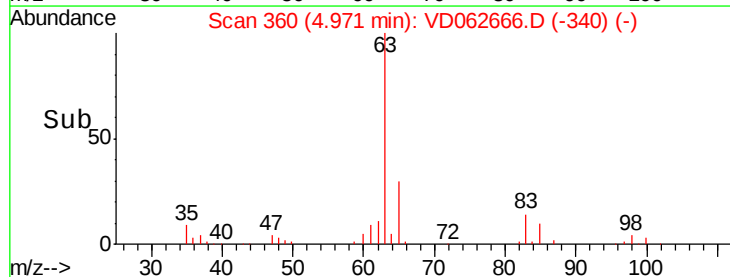
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 268.634 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

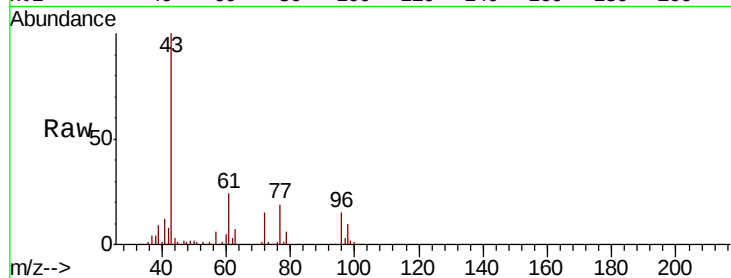
ClientSampleId :

Tot Ion: 43 Resp: 564084

Ion Ratio Lower Upper

43 100

72 15.2 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

200000

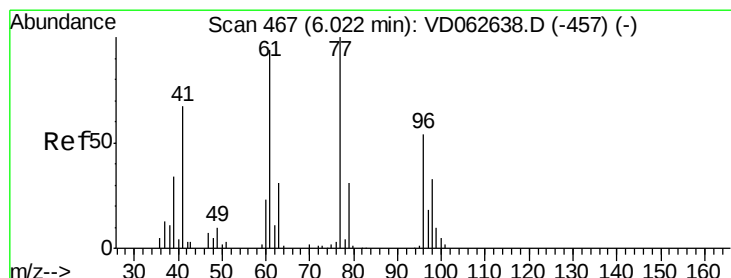
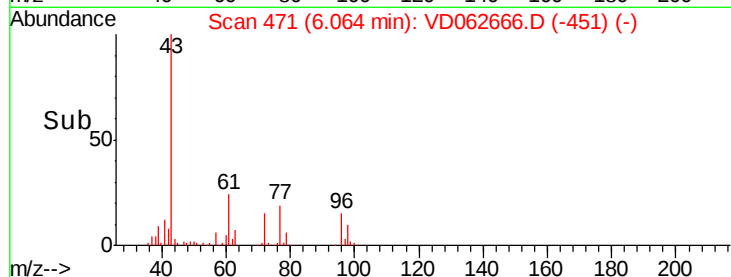
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 52.158 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062666.D

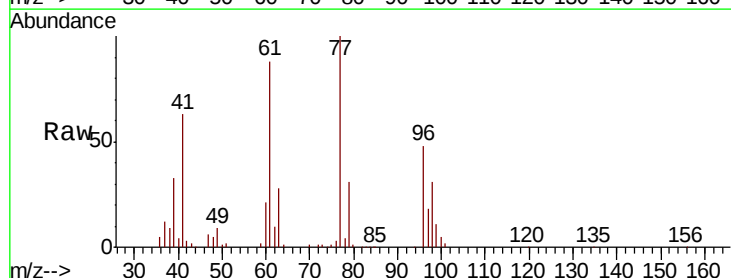
Acq: 12 Jun 2019 11:12

Tgt Ion: 77 Resp: 888908

Ion Ratio Lower Upper

77 100

97 18.1 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

250000

200000

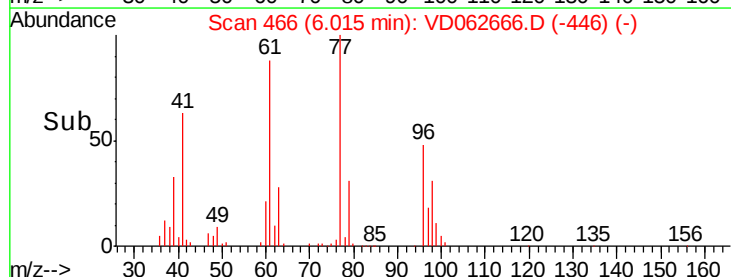
150000

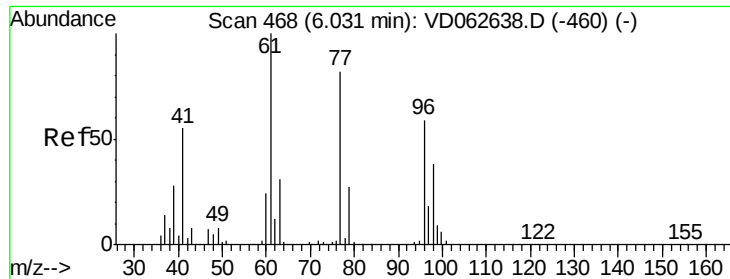
100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20



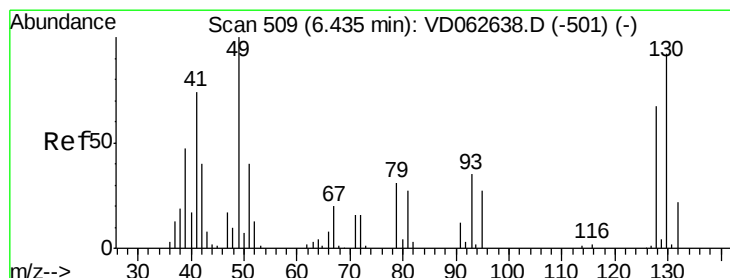
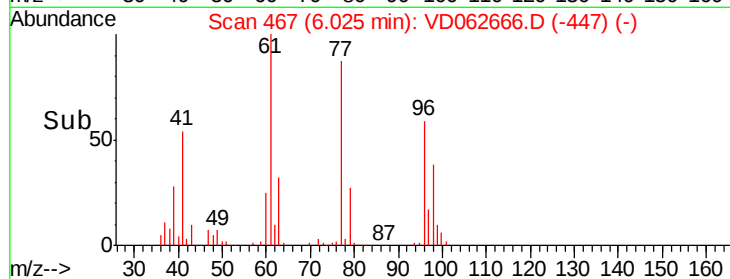
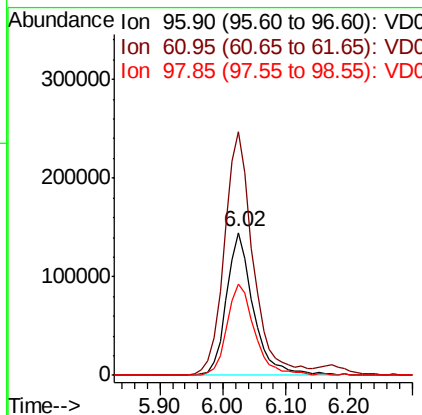
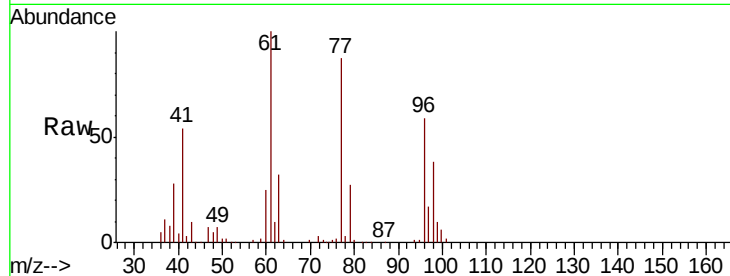


#27

cis-1,2-Dichloroethene
Concen: 50.001 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

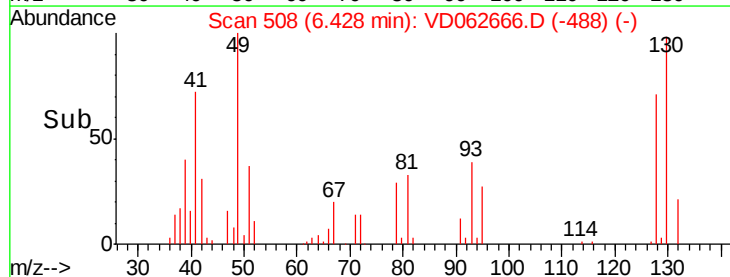
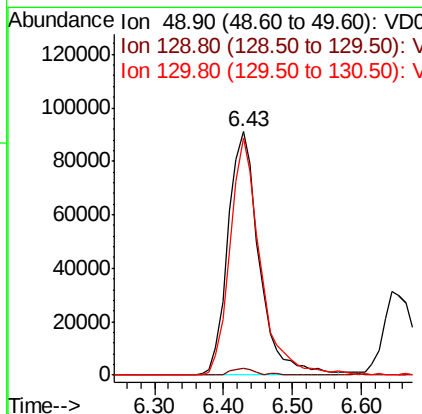
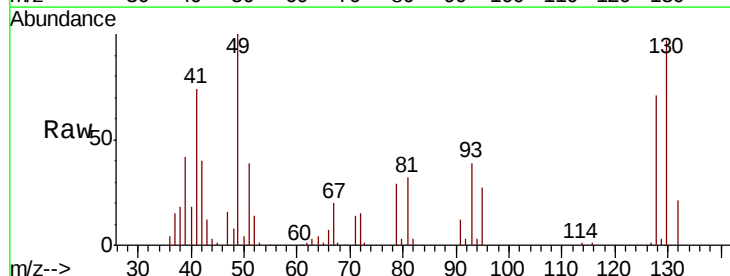
Tot Ion	Ratio	Lower	Upper
96	100		
61	170.9	0.0	340.0
98	64.3	0.0	127.6



#28

Bromochloromethane
Concen: 50.615 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	8.2
130	97.3	73.4	110.0





#29

Tetrahydrofuran

Concen: 241.565 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

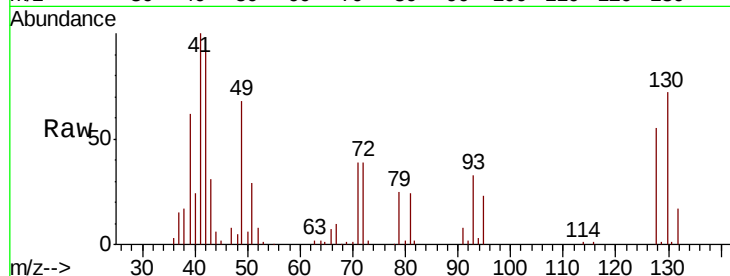
Tot Ion: 42 Resp: 228428

Ion Ratio Lower Upper

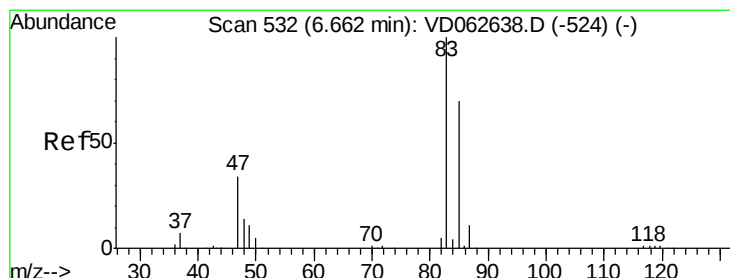
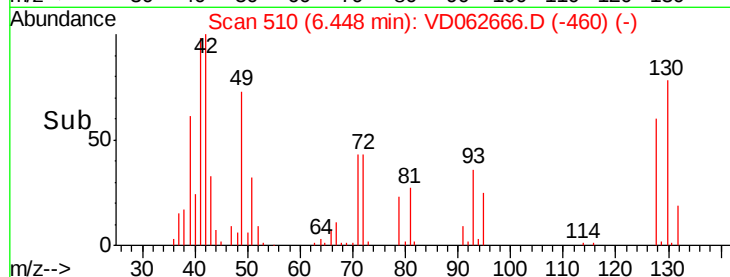
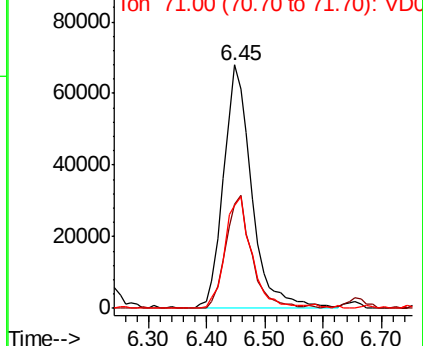
42 100

72 42.2 33.8 50.6

71 43.6 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: 48.973 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062666.D

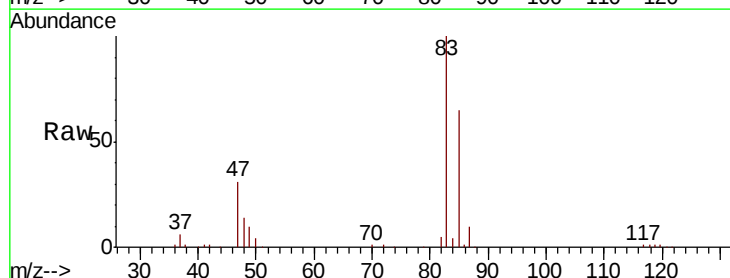
Acq: 12 Jun 2019 11:12

Tgt Ion: 83 Resp: 929139

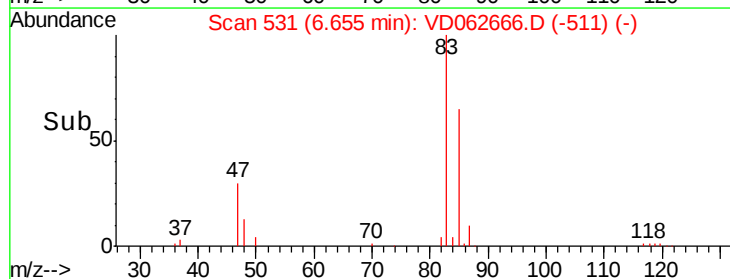
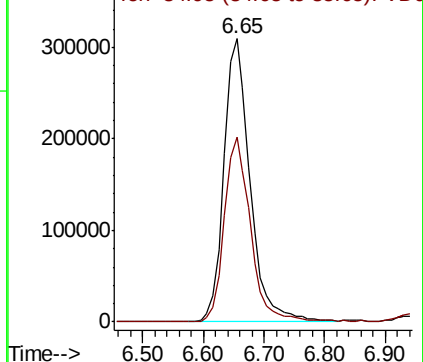
Ion Ratio Lower Upper

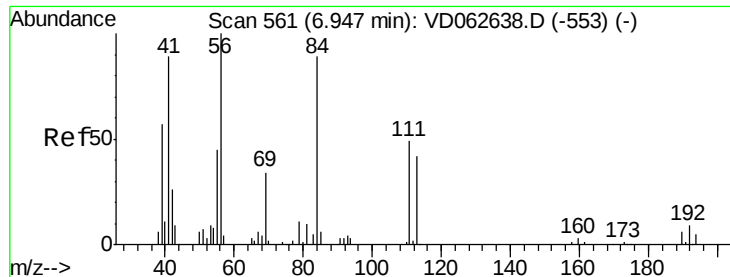
83 100

85 65.4 55.8 83.6



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

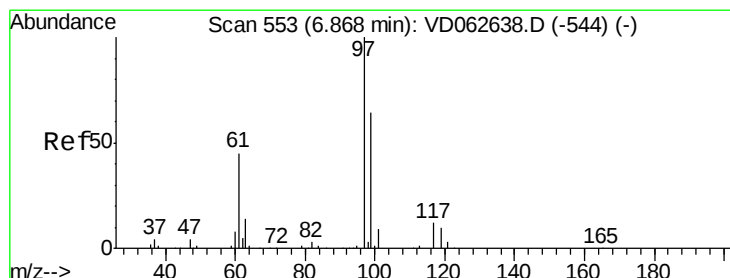
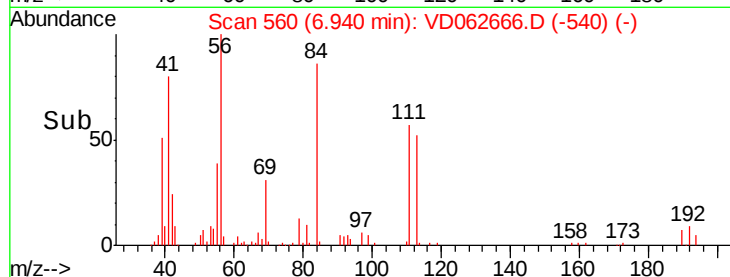
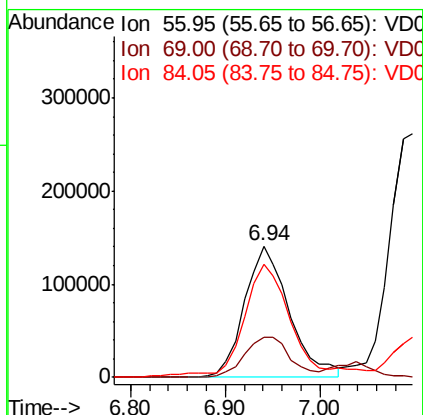
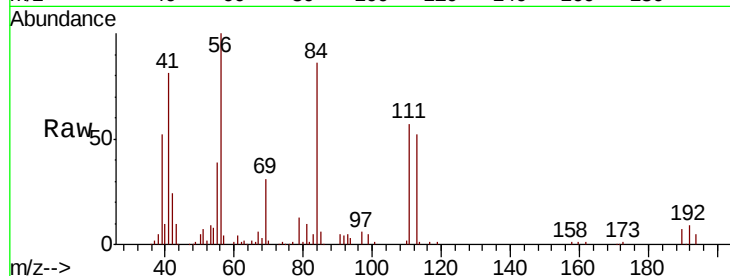




#31
Cyclohexane
Concen: 49.650 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

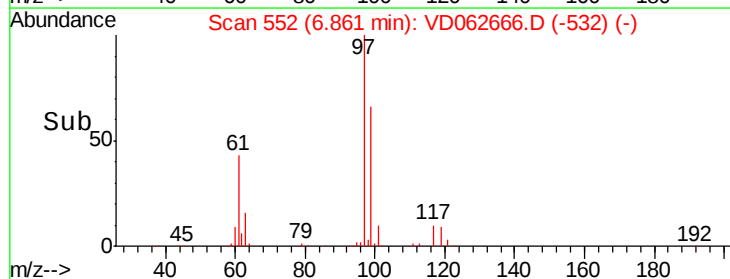
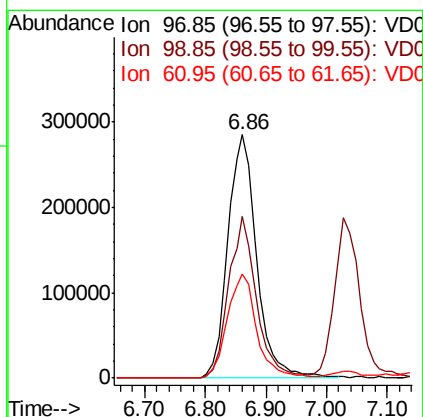
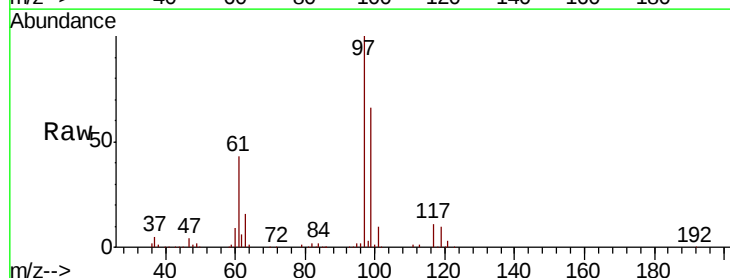
Instrument :
MSVOA_D
ClientSampleId :

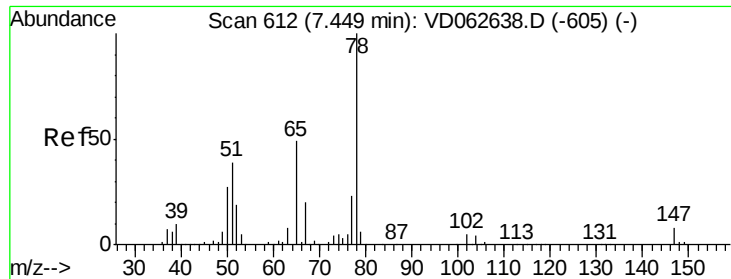
Tot Ion: 56 Resp: 460555
Ion Ratio Lower Upper
56 100
69 30.6 26.8 40.2
84 86.2 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 49.752 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 97 Resp: 939242
Ion Ratio Lower Upper
97 100
99 66.3 51.4 77.0
61 42.9 35.6 53.4

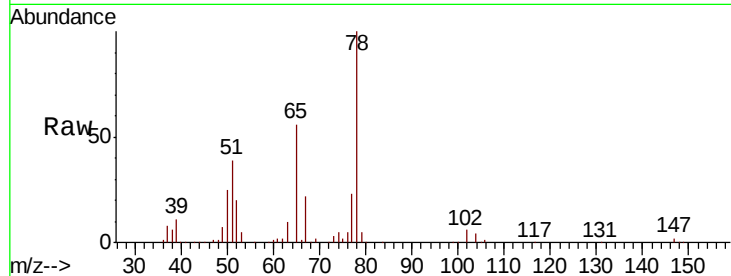




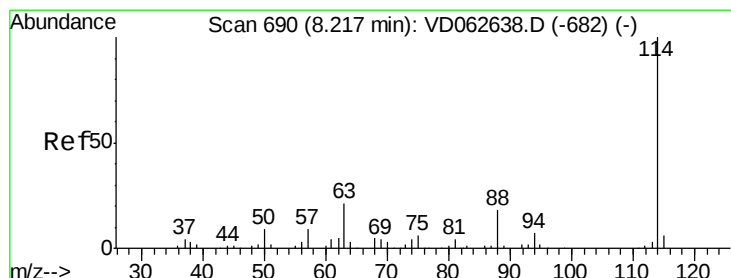
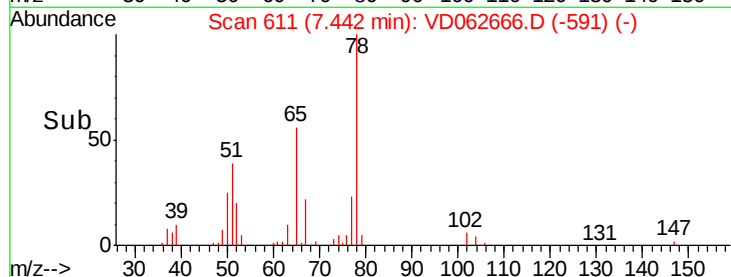
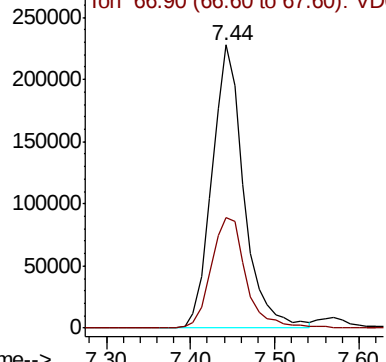
#33
 1,2-Dichloroethane-d4
 Concen: 51.275 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 602691
 Ion Ratio Lower Upper
 65 100
 67 39.2 0.0 81.8

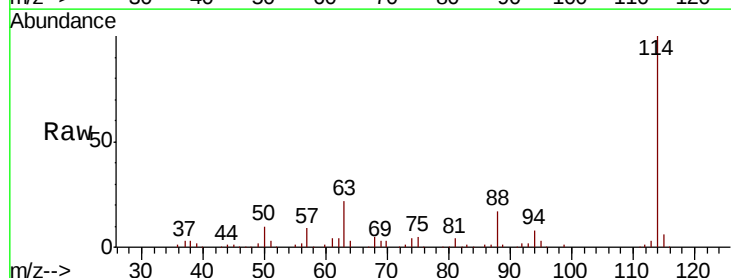


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

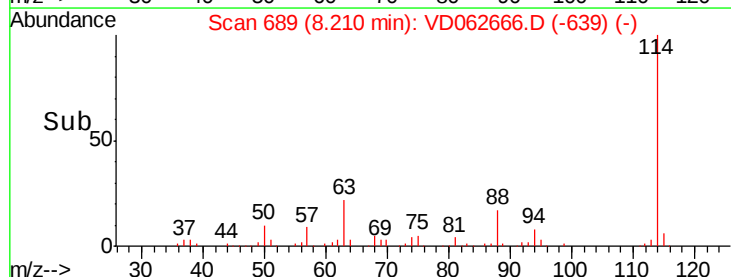
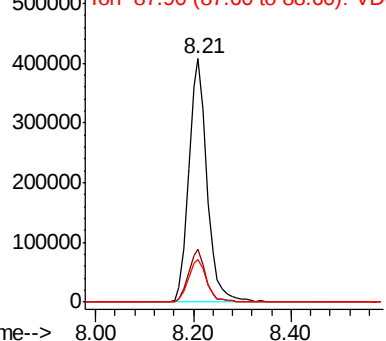


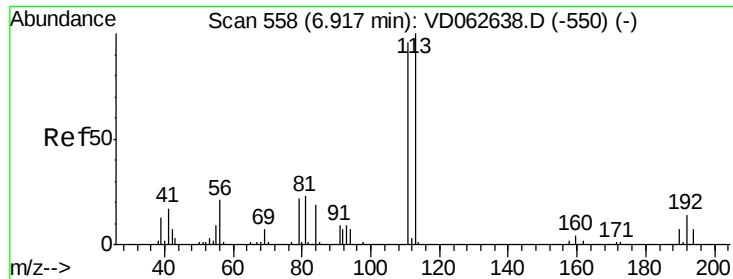
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 114 Resp: 1057504
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 17.3 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

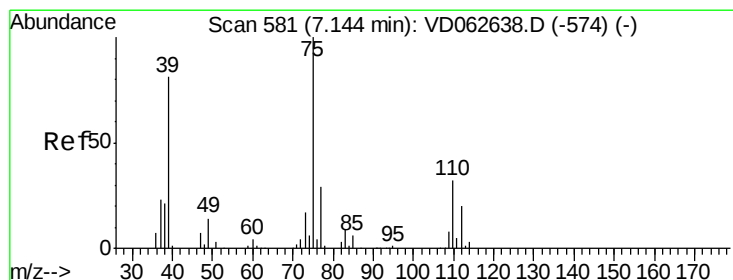
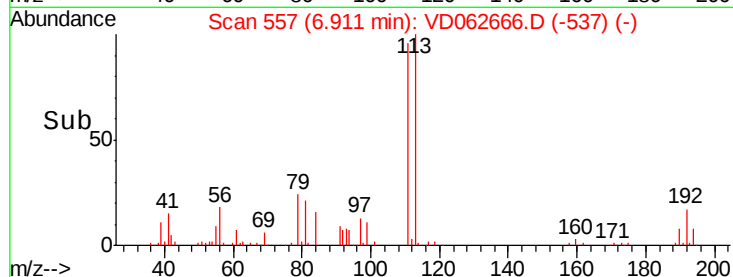
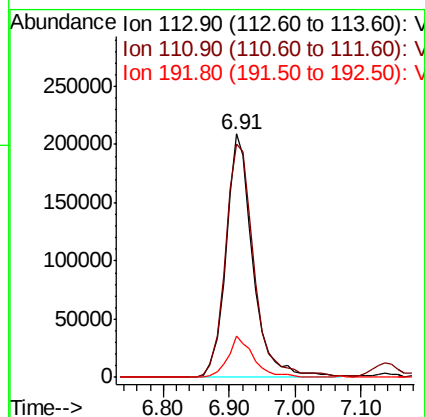
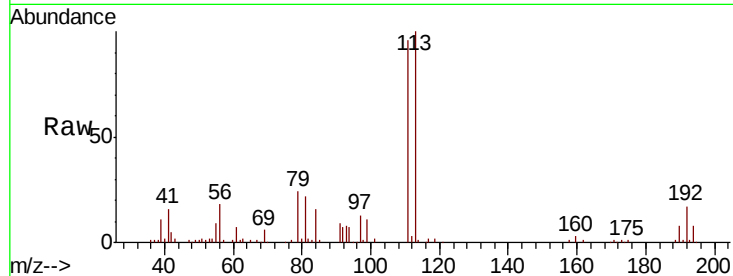




#35
 Dibromofluoromethane
 Concen: 53.213 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

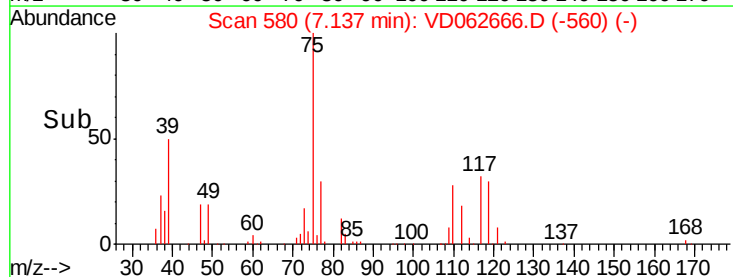
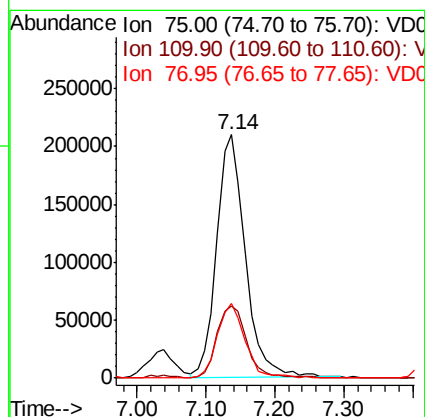
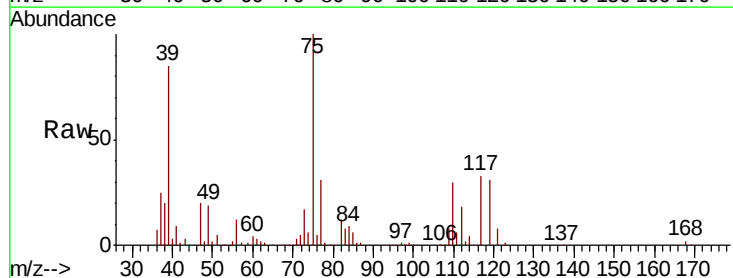
Instrument :
 MSVOA_D
 ClientSampled :

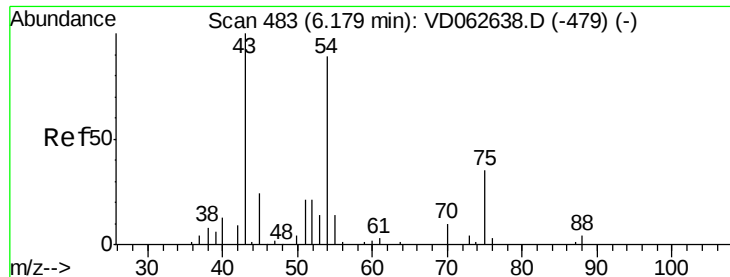
Tot Ion:113 Resp: 593471
 Ion Ratio Lower Upper
 113 100
 111 95.9 76.4 114.6
 192 16.9 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 49.565 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 75 Resp: 599895
 Ion Ratio Lower Upper
 75 100
 110 29.6 15.9 47.7
 77 30.7 23.3 34.9

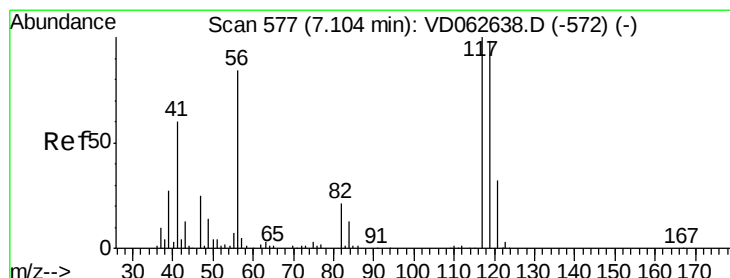
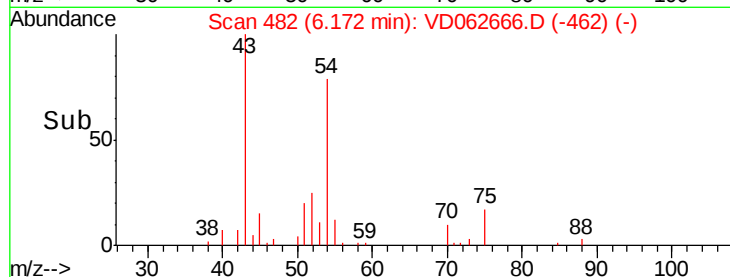
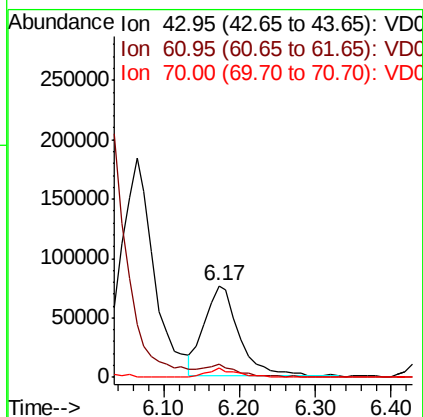
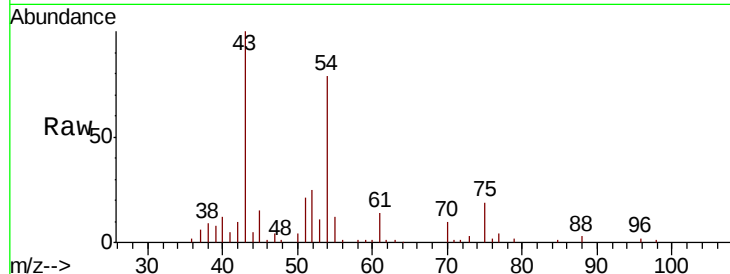




#37
Ethyl Acetate
Concen: 46.928 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

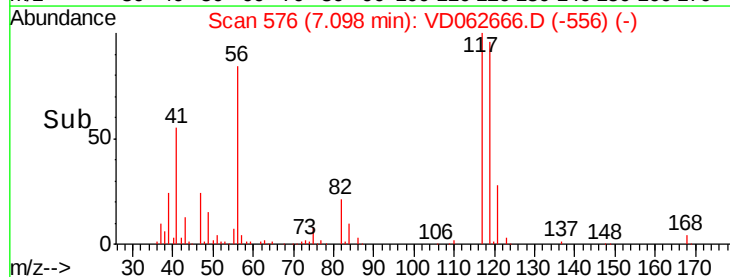
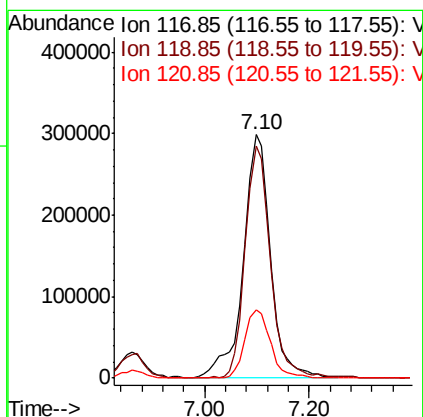
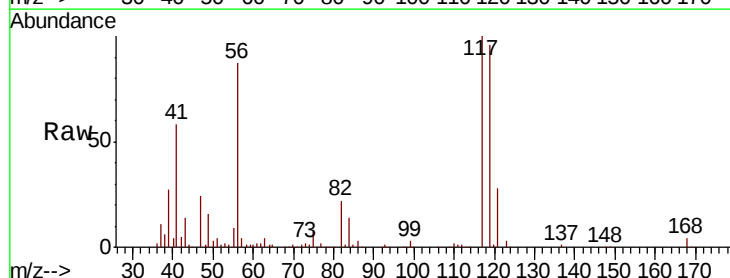
Instrument :
MSVOA_D
ClientSampleID :

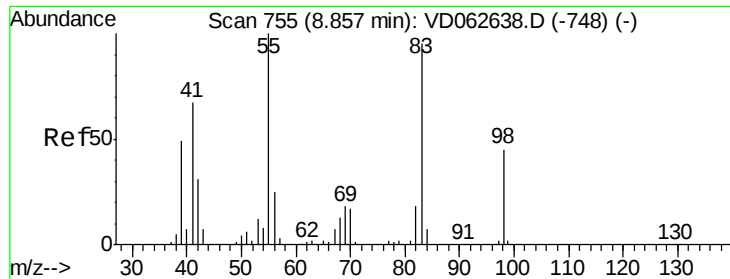
Tot Ion: 43 Resp: 241784
Ion Ratio Lower Upper
43 100
61 14.0 8.7 13.1#
70 9.9 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 54.364 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 117 Resp: 1039989
Ion Ratio Lower Upper
117 100
119 95.5 73.5 110.3
121 28.2 24.2 36.4

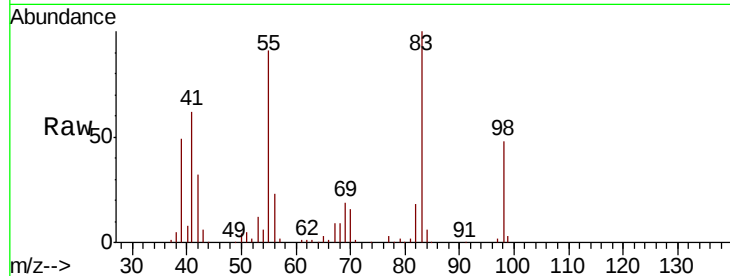




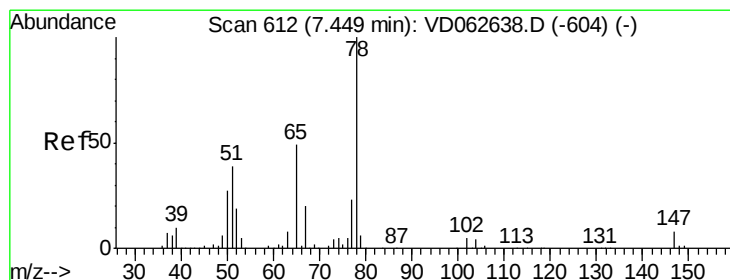
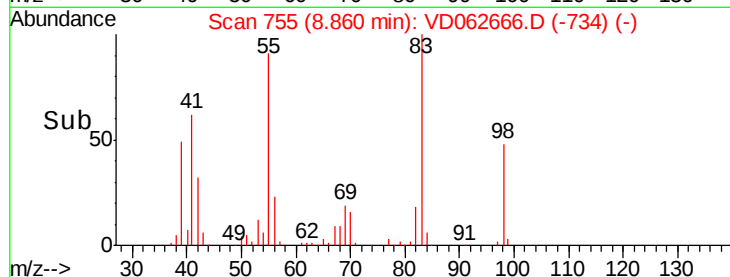
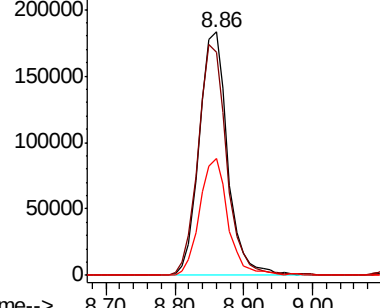
#39
Methvlcvclohexane
Concen: 53.529 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 523536
Ion Ratio Lower Upper
83 100
55 91.4 84.6 127.0
98 48.1 38.2 57.4

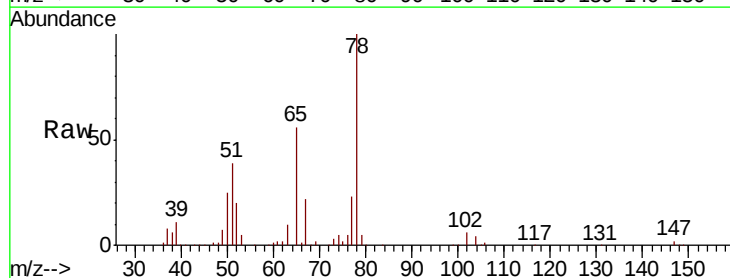


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

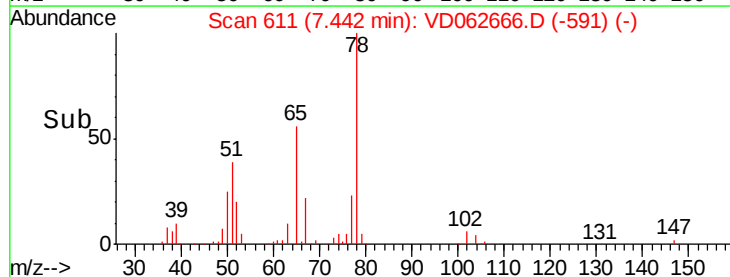
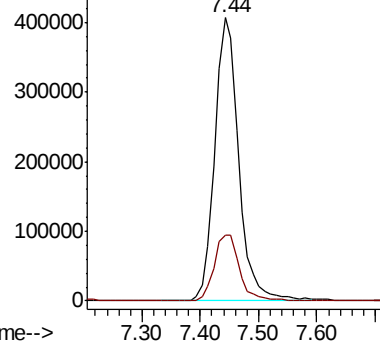


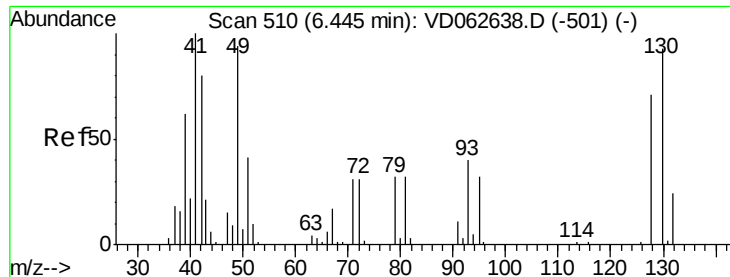
#40
Benzene
Concen: 49.352 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 78 Resp: 1166478
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0



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

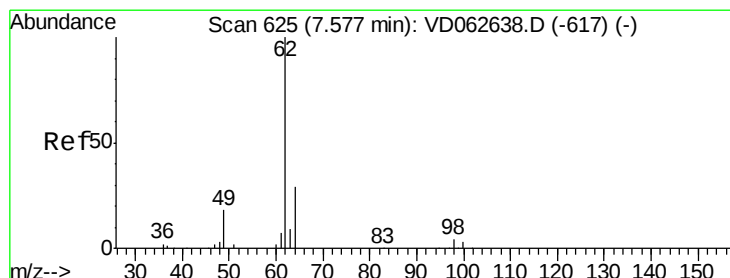
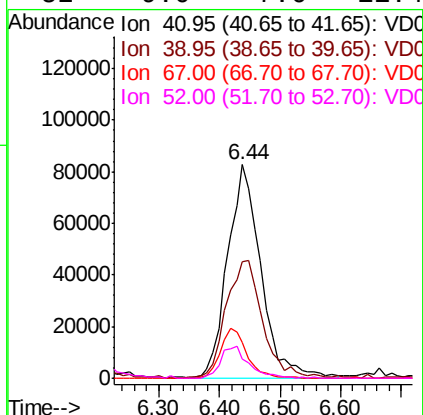
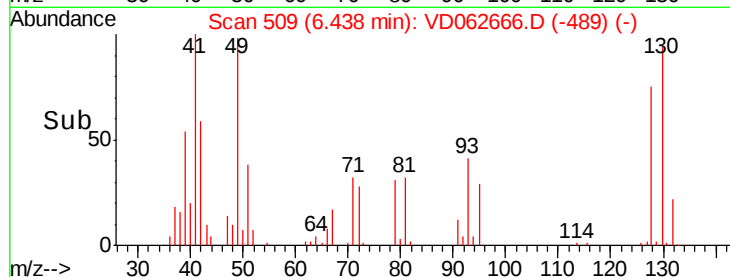
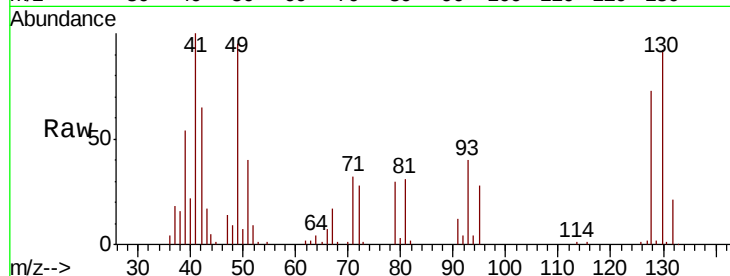




#41
Methacrylonitrile
Concen: 50.190 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

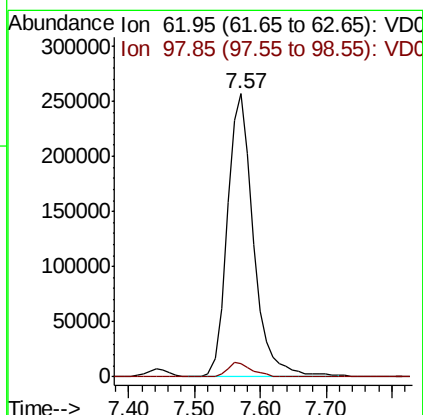
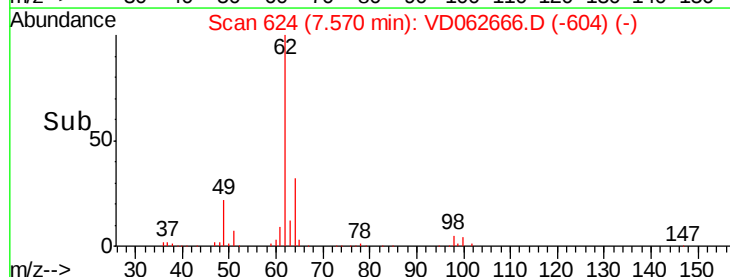
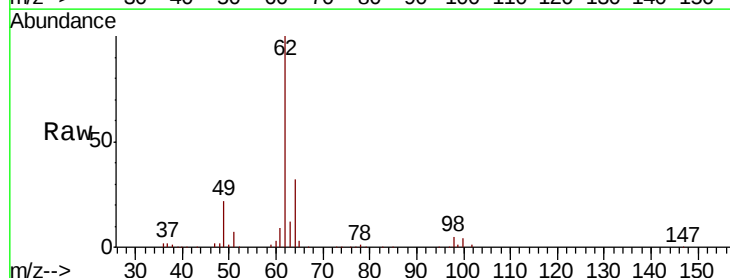
Instrument :
MSVOA_D
ClientSampleId :

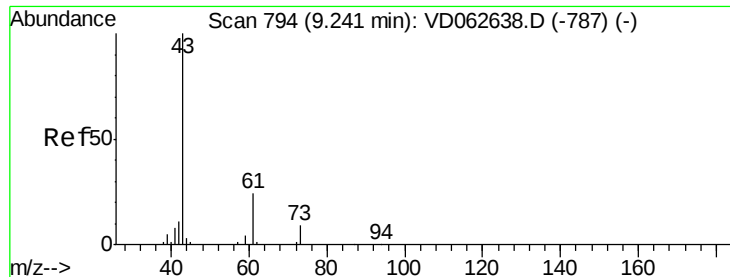
Tot Ion: 41 Resp: 317988
Ion Ratio Lower Upper
41 100
39 54.3 49.2 73.8
67 17.0 13.9 20.9
52 9.0 7.6 11.4



#42
1,2-Dichloroethane
Concen: 50.317 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 62 Resp: 708873
Ion Ratio Lower Upper
62 100
98 4.9 0.0 7.4



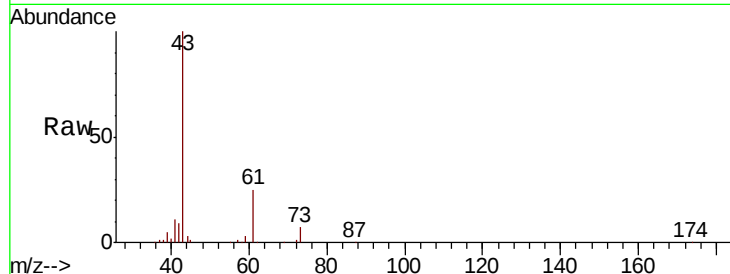


#43

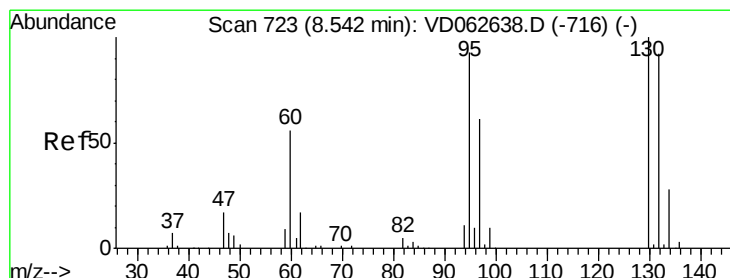
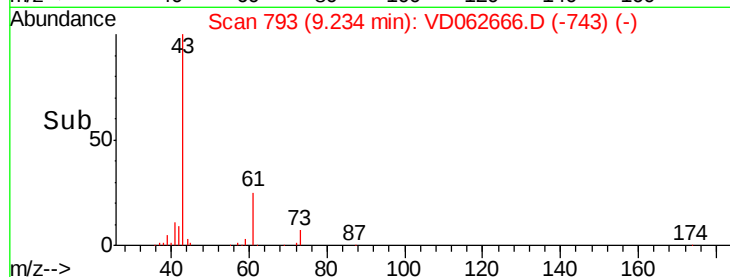
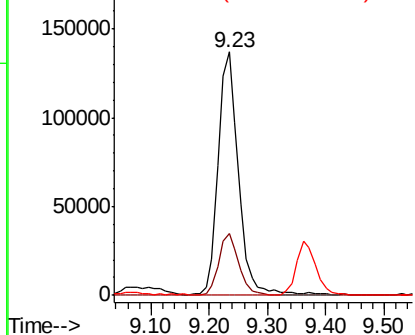
Isopropyl Acetate
Concen: 52.267 ug/l
RT: 9.23 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 333784
Ion Ratio Lower Upper
43 100
61 25.3 19.0 28.6
87 0.4 0.3 0.5



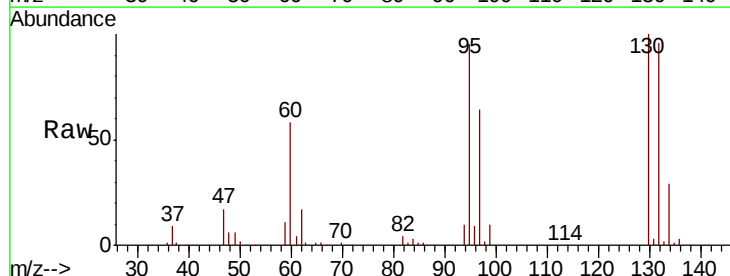
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



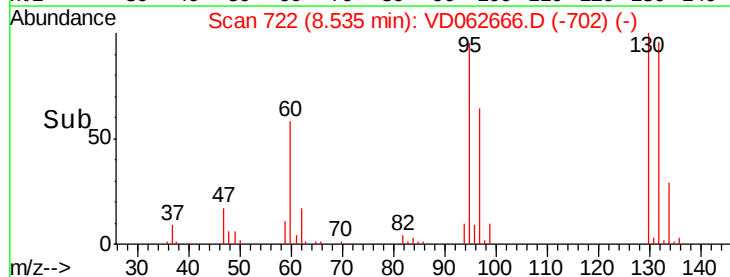
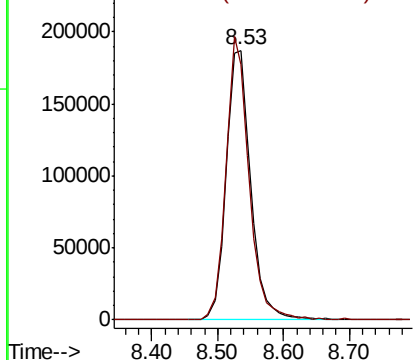
#44

Trichloroethene
Concen: 50.940 ug/l
RT: 8.53 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:130 Resp: 488800
Ion Ratio Lower Upper
130 100
95 94.7 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: 52.185 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

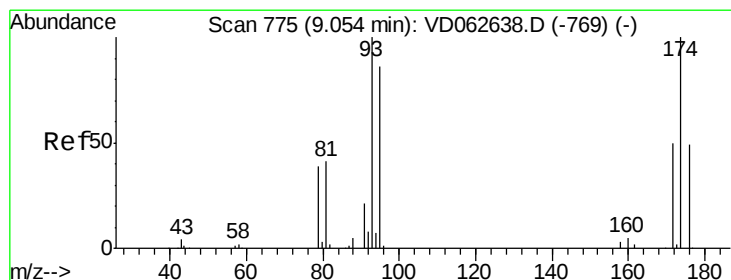
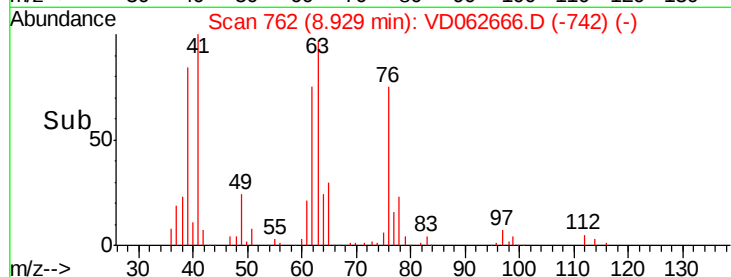
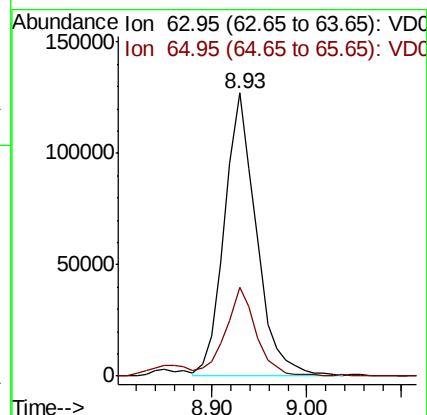
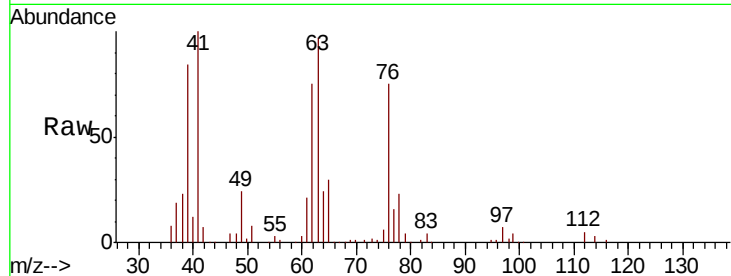
ClientSampled :

Tot Ion: 63 Resp: 296271

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



#46

Dibromomethane

Concen: 53.089 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

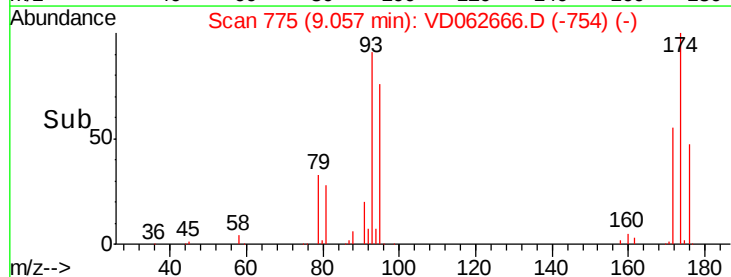
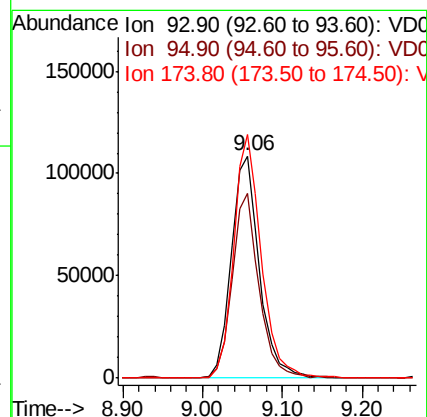
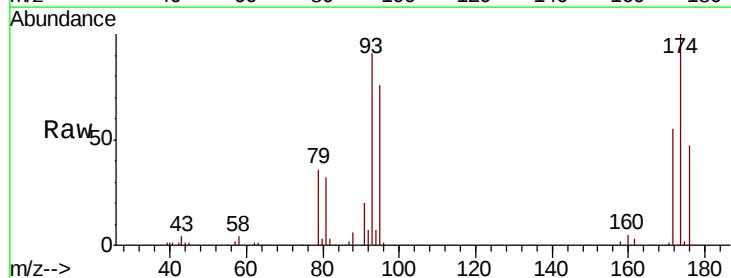
Tgt Ion: 93 Resp: 267543

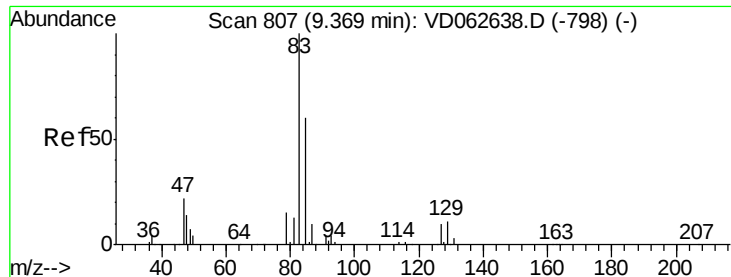
Ion Ratio Lower Upper

93 100

95 83.3 68.7 103.1

174 109.5 79.8 119.8





#47

Bromodichloromethane

Concen: 50.775 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

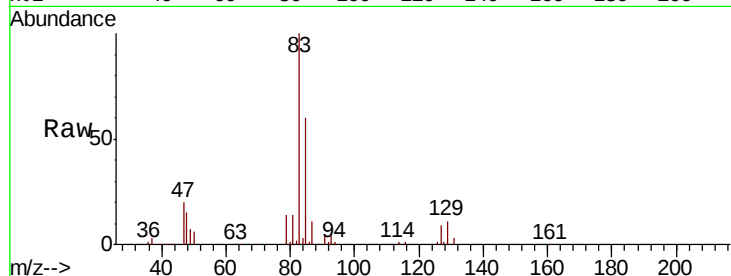
Tot Ion: 83 Resp: 696064

Ion Ratio Lower Upper

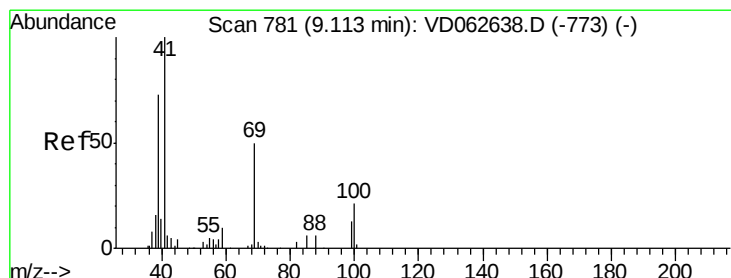
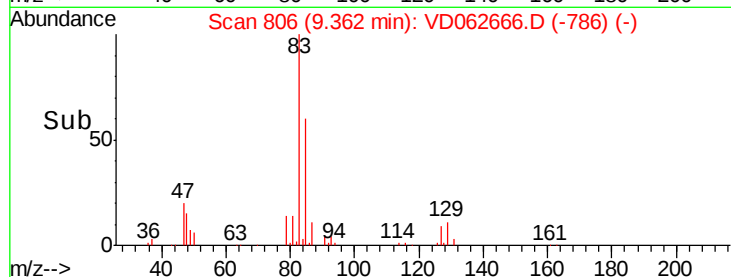
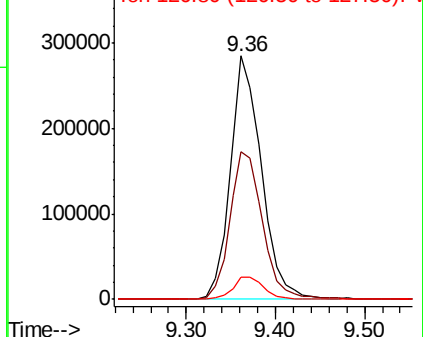
83 100

85 60.4 47.9 71.9

127 8.9 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: 49.648 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

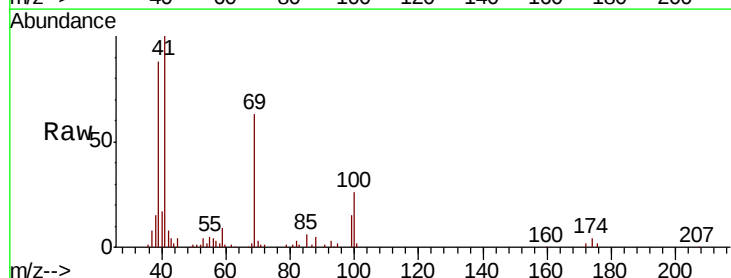
Tgt Ion: 41 Resp: 229056

Ion Ratio Lower Upper

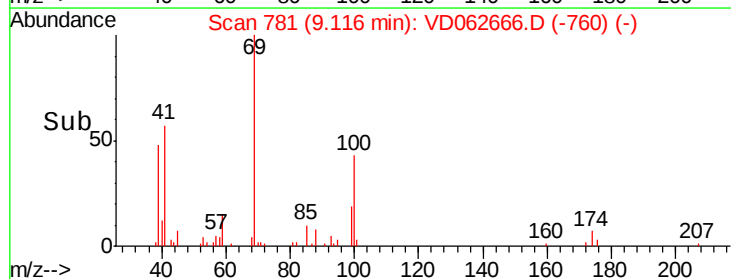
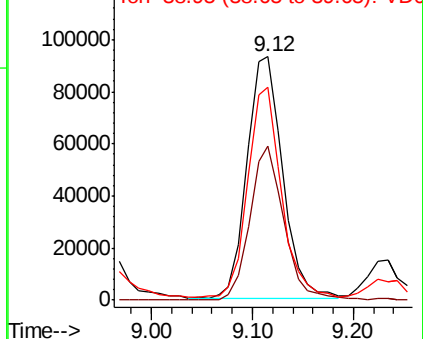
41 100

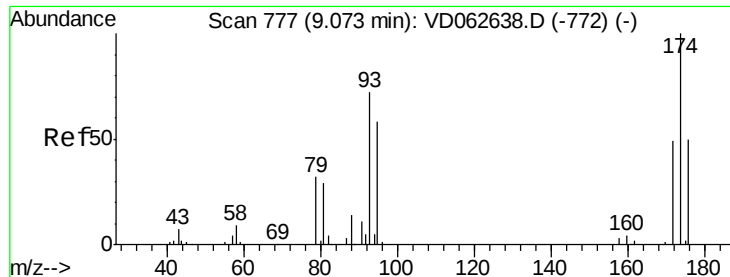
69 63.5 39.8 59.6#

39 87.6 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

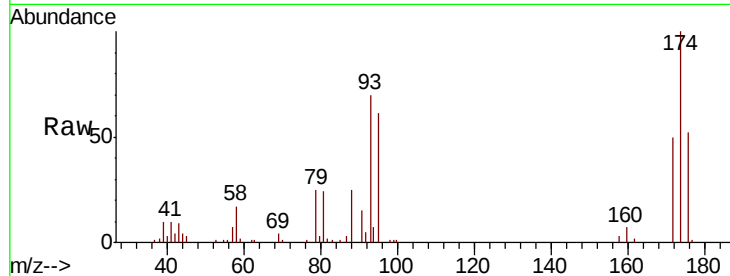




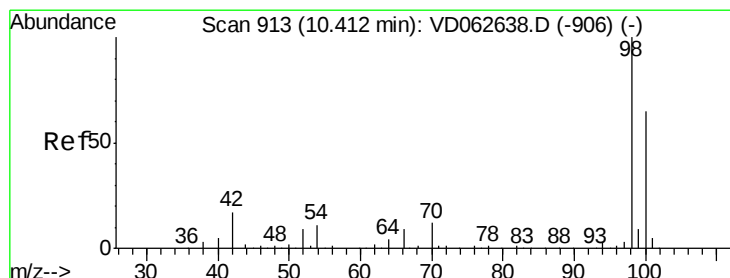
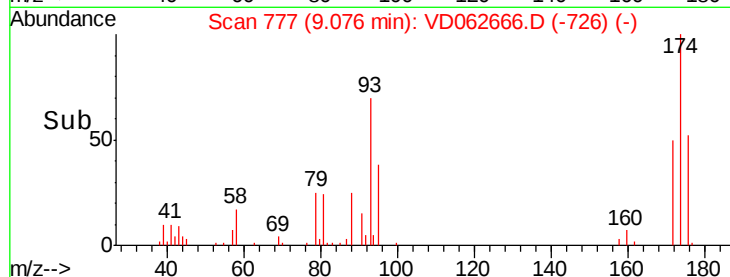
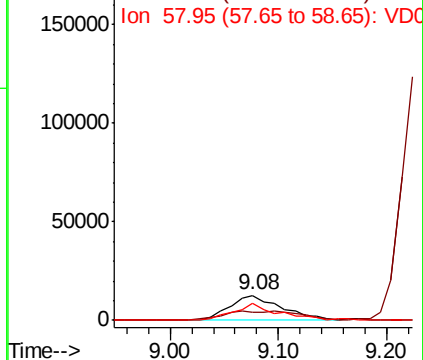
#49
1,4-Dioxane
Concen: 1002.738 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 41375
Ion Ratio Lower Upper
88 100
43 35.0 40.7 61.1#
58 69.0 54.2 81.4

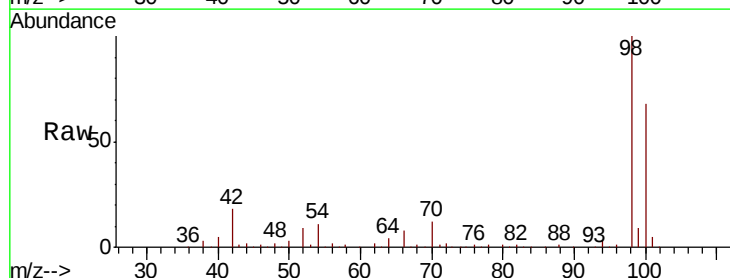


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

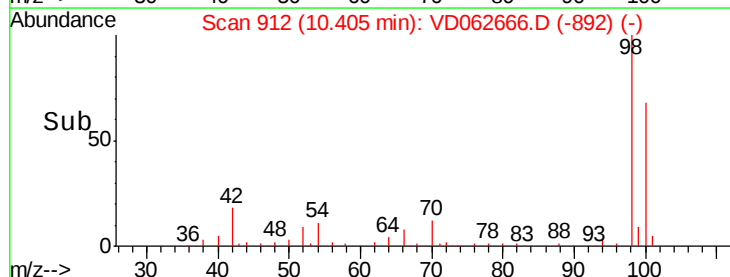
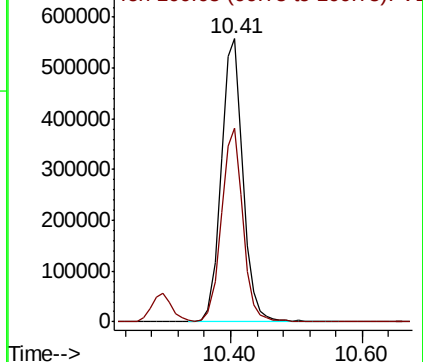


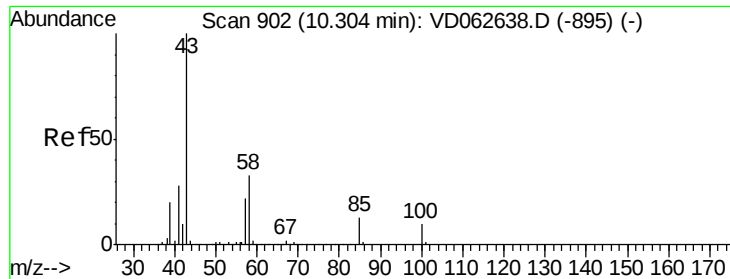
#50
Toluene-d8
Concen: 54.611 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 98 Resp: 1281266
Ion Ratio Lower Upper
98 100
100 68.3 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

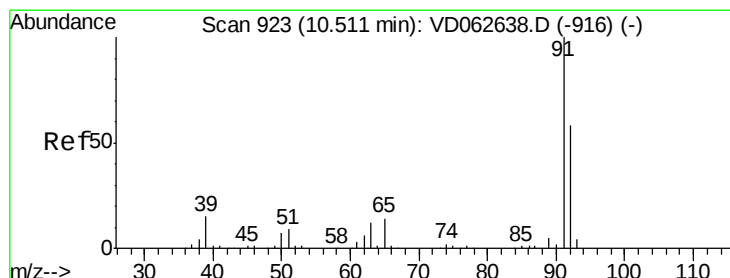
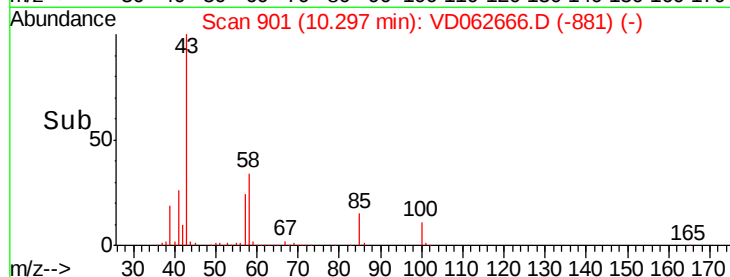
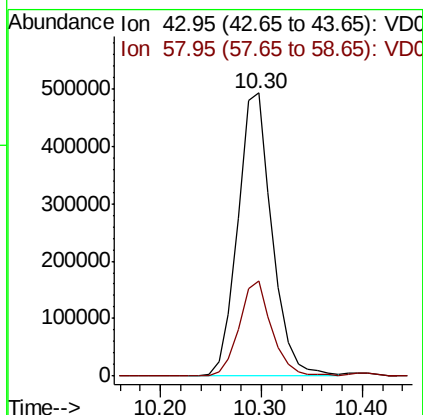
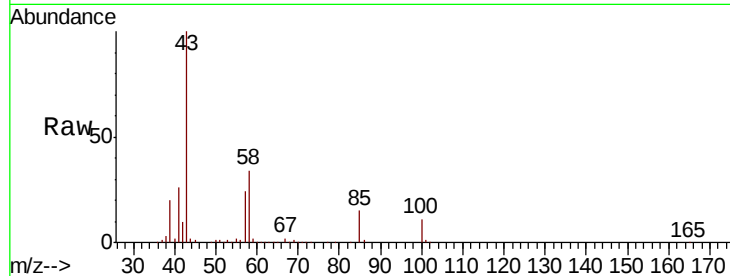




#51
4-Methyl-2-Pentanone
Concen: 259.811 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

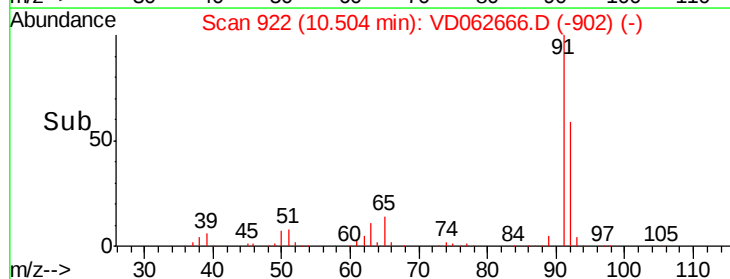
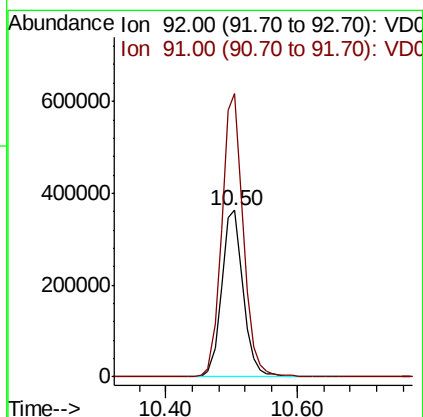
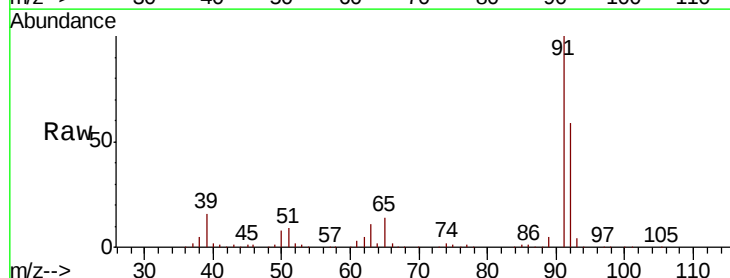
Instrument :
MSVOA_D
ClientSampled :

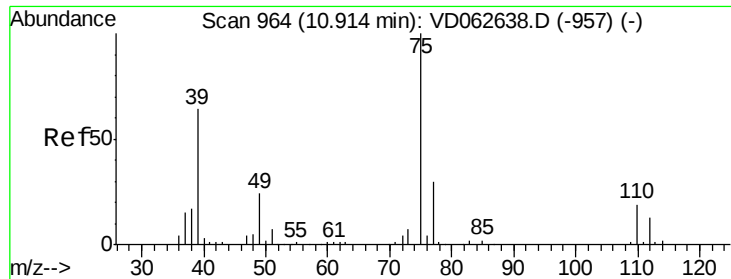
Tot Ion: 43 Resp: 1160966
Ion Ratio Lower Upper
43 100
58 33.6 26.1 39.1



#52
Toluene
Concen: 52.148 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 92 Resp: 828529
Ion Ratio Lower Upper
92 100
91 170.1 137.0 205.6

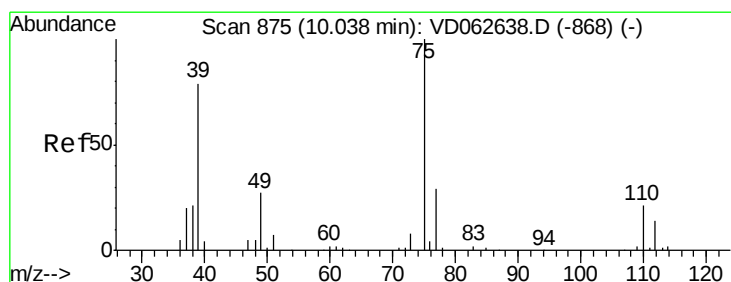
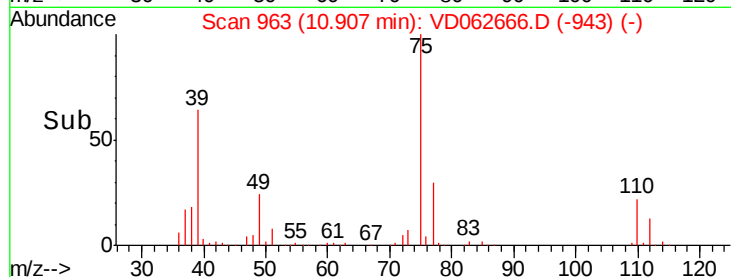
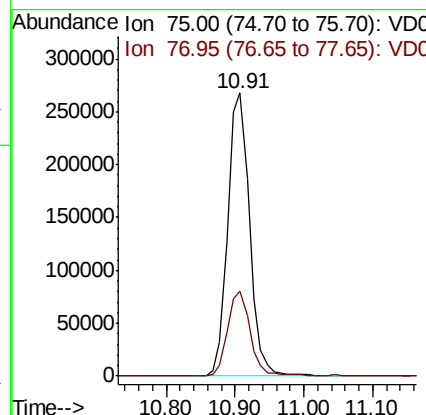
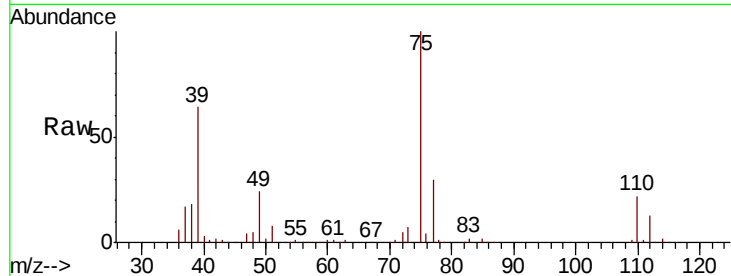




#53
 t-1,3-Dichloropropene
 Concen: 52.197 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

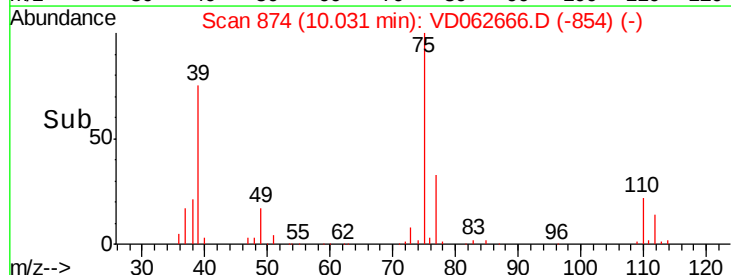
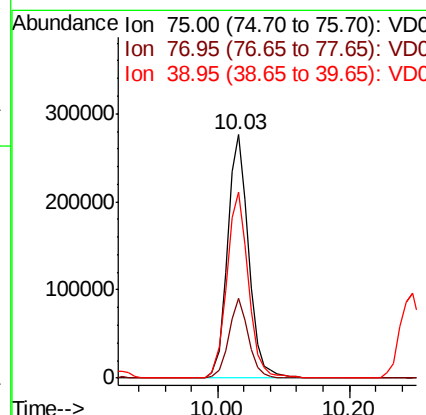
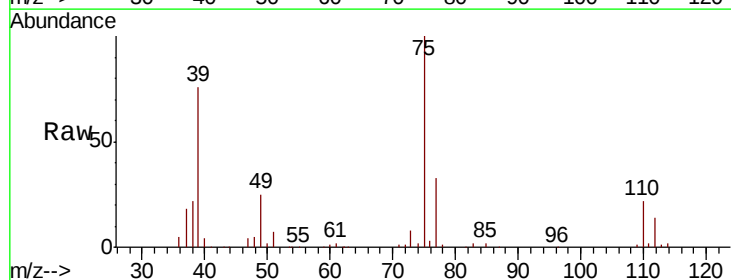
Instrument :
 MSVOA_D
 ClientSampleId :

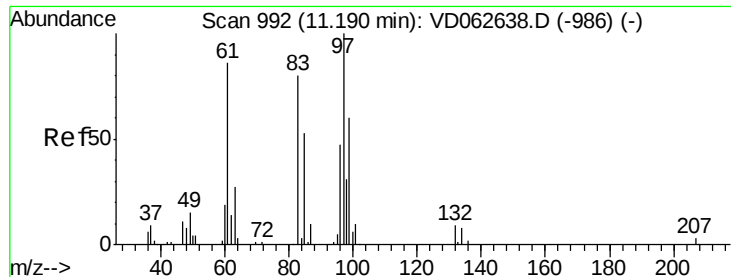
Tot Ion: 75 Resp: 586680
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.138 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 75 Resp: 617287
 Ion Ratio Lower Upper
 75 100
 77 32.5 23.1 34.7
 39 76.5 63.4 95.2

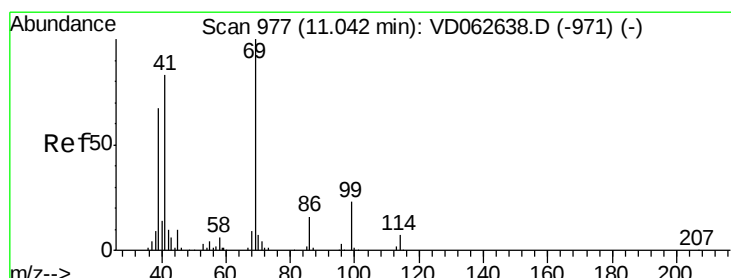
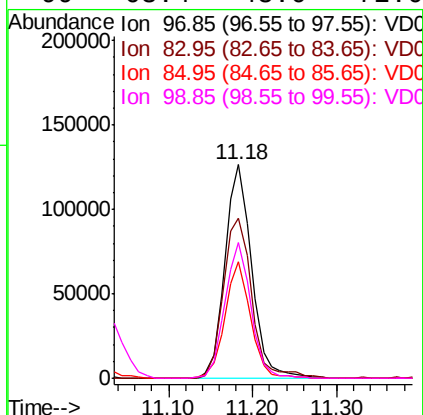
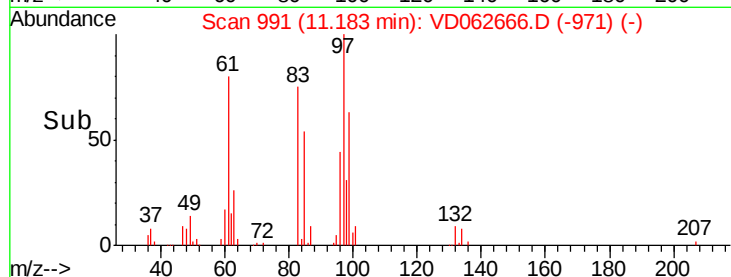
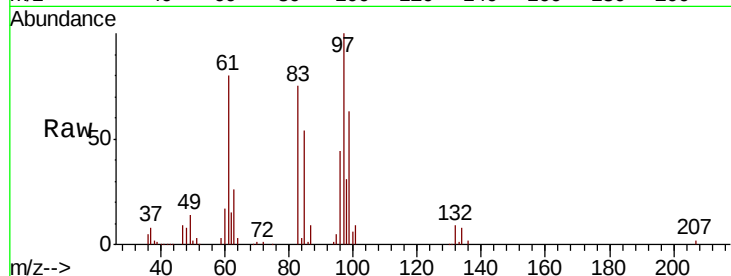




#55
 1,1,2-Trichloroethane
 Concen: 51.262 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

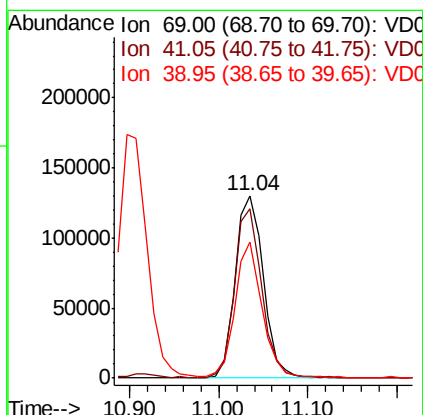
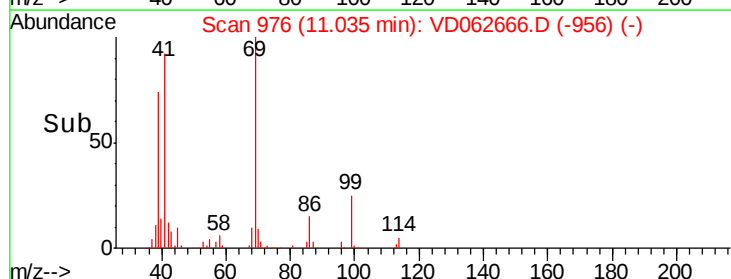
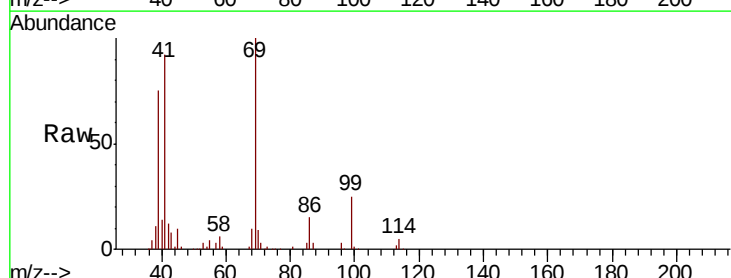
Instrument :
 MSVOA_D
 ClientSampleId :

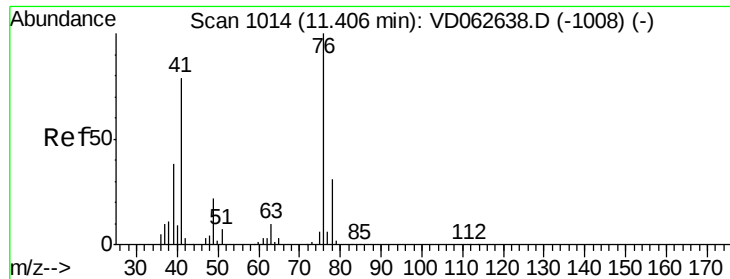
Tot Ion	Ratio	Lower	Upper
97	100		
83	74.8	63.8	95.8
85	54.4	42.3	63.5
99	63.4	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 44.309 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	92.4	66.2	99.4
39	74.6	53.8	80.8





#57

1,3-Dichloropropane

Concen: 49.445 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

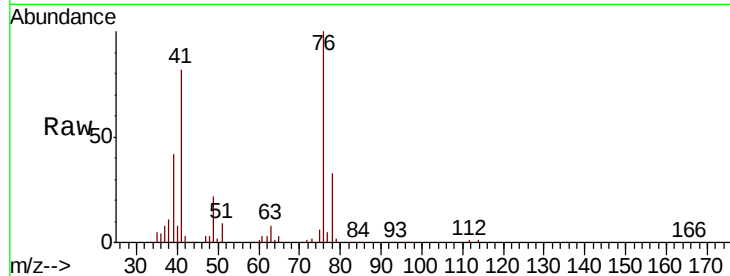
ClientSampleId :

Tot Ion: 76 Resp: 417559

Ion Ratio Lower Upper

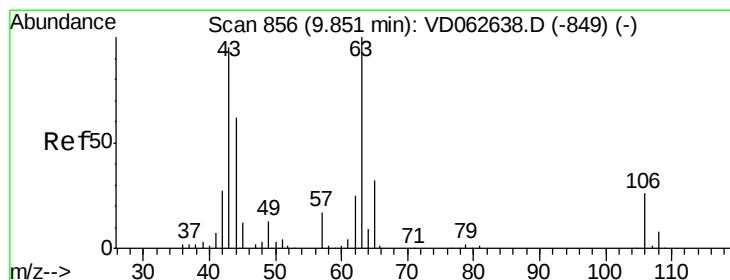
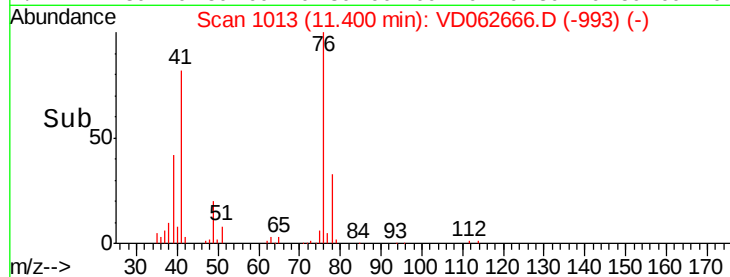
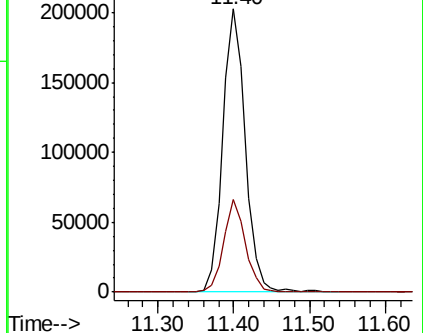
76 100

78 32.8 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: 202.660 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD062666.D

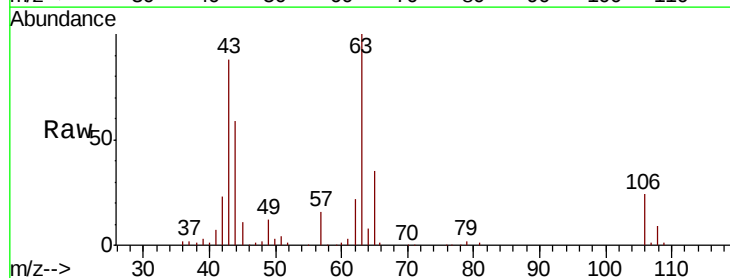
Acq: 12 Jun 2019 11:12

Tgt Ion: 63 Resp: 590176

Ion Ratio Lower Upper

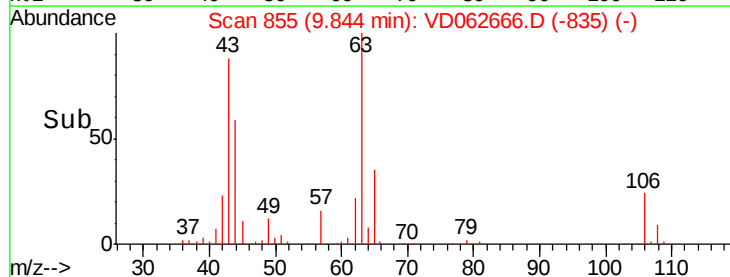
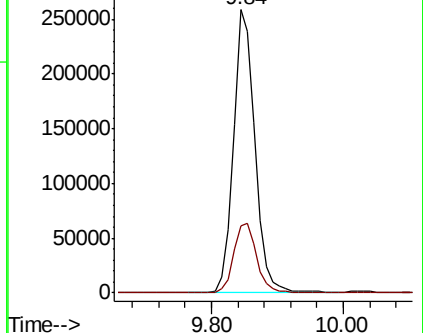
63 100

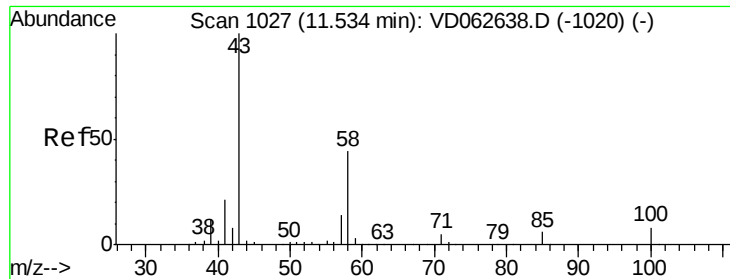
106 23.9 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

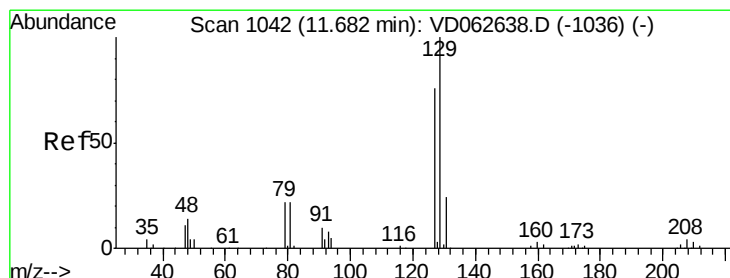
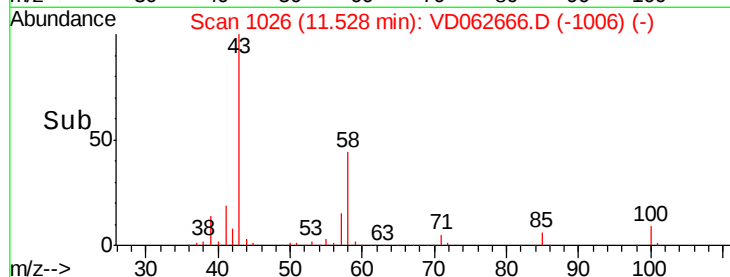
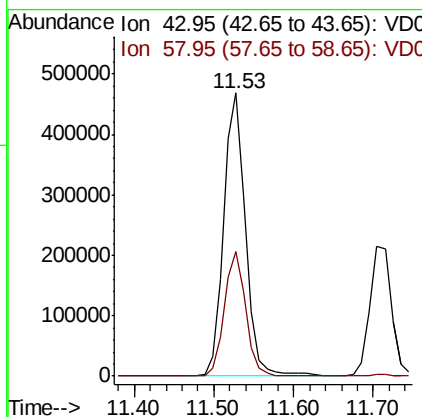
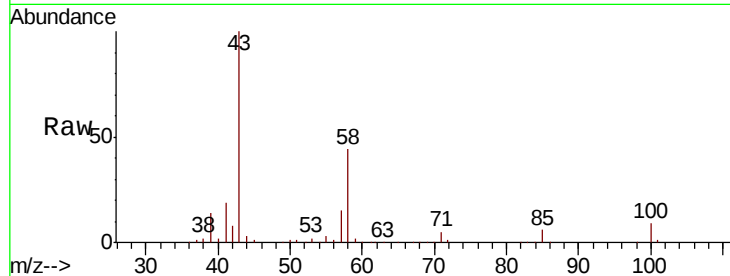




#59
2-Hexanone
Concen: 273.071 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

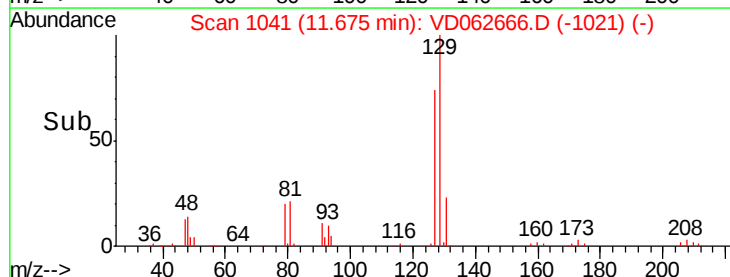
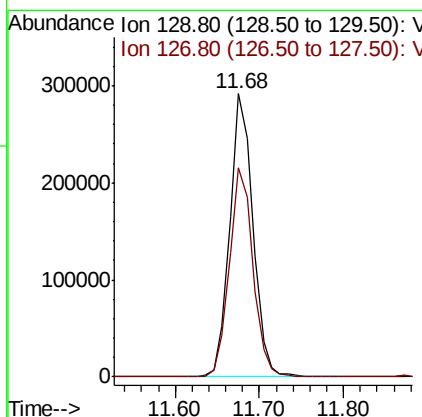
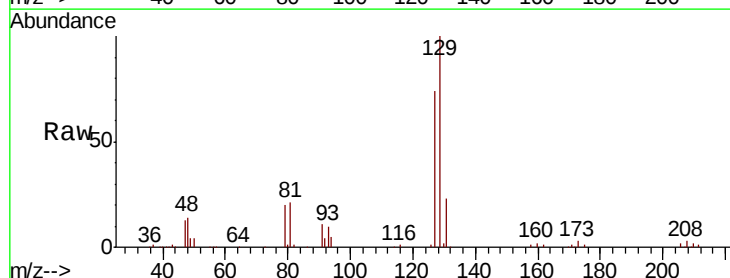
Instrument :
MSVOA_D
ClientSampled :

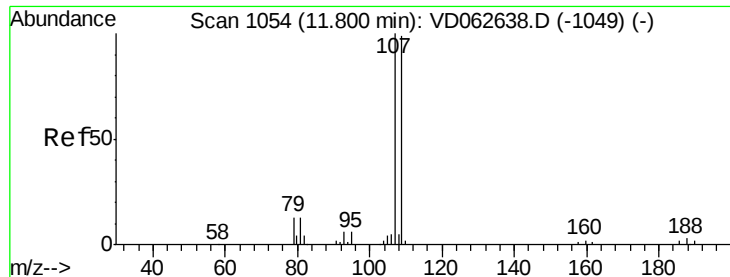
Tot Ion: 43 Resp: 907673
Ion Ratio Lower Upper
43 100
58 43.9 21.8 65.4



#60
Dibromochloromethane
Concen: 51.899 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:129 Resp: 558213
Ion Ratio Lower Upper
129 100
127 73.9 38.0 114.1

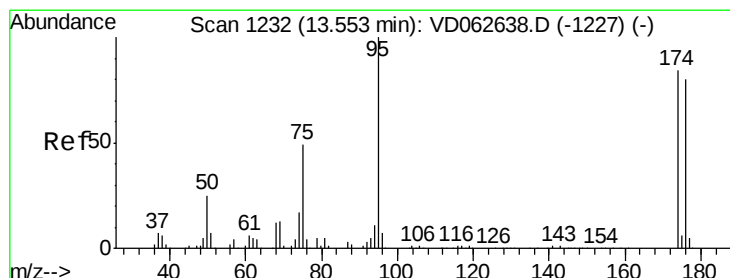
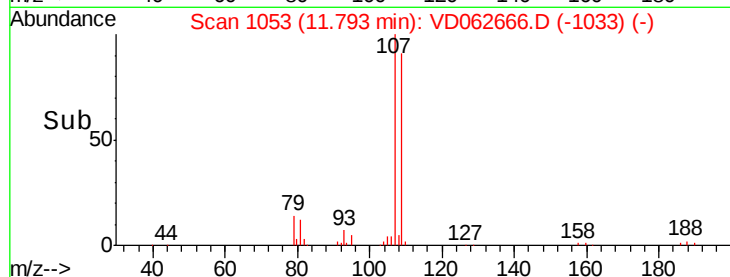
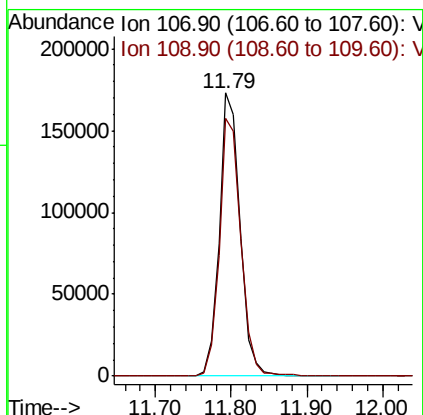
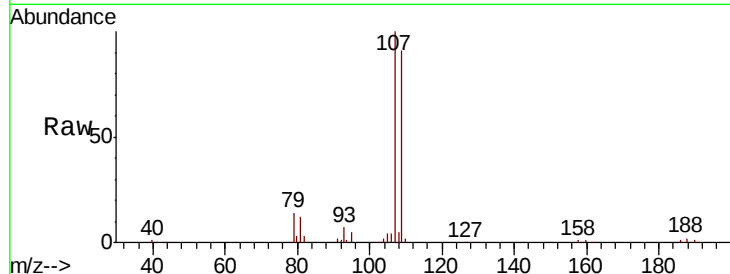




#61
 1,2-Dibromoethane
 Concen: 50.862 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

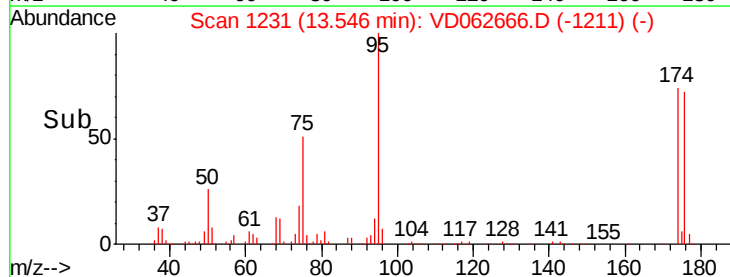
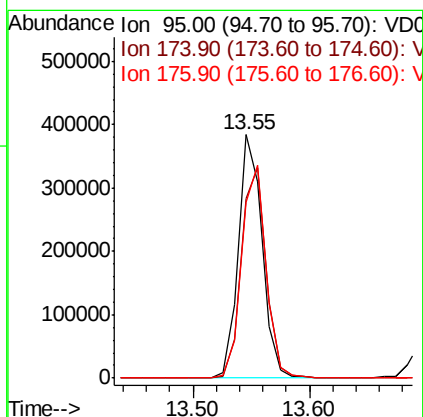
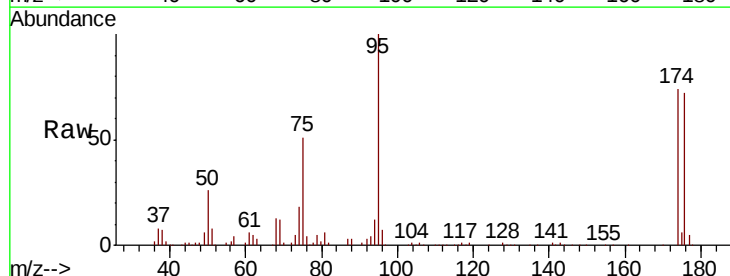
Instrument :
 MSVOA_D
 ClientSampleId :

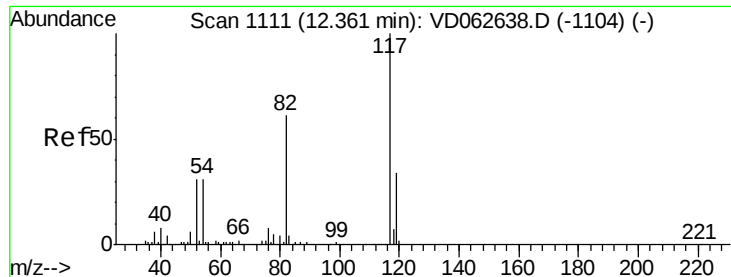
Tot Ion:107 Resp: 331674
 Ion Ratio Lower Upper
 107 100
 109 91.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 49.626 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 95 Resp: 543190
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 167.0
 176 72.2 0.0 159.2

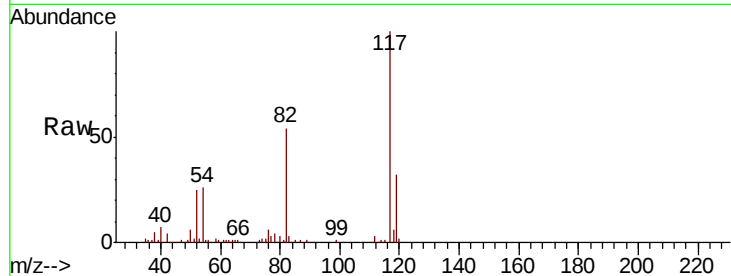




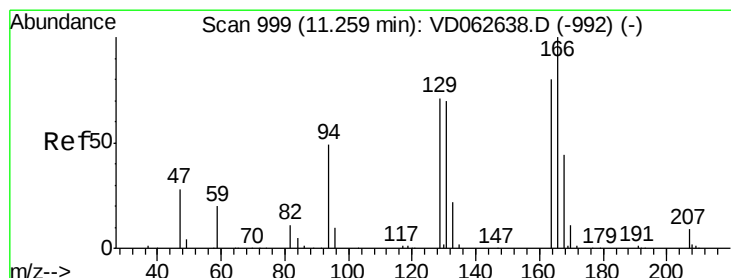
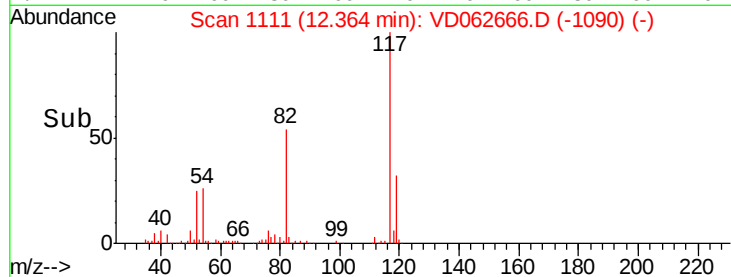
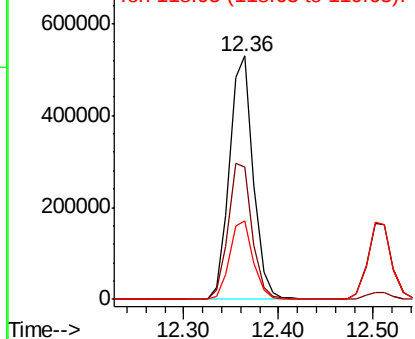
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 918437
Ion Ratio Lower Upper
117 100
82 54.2 48.7 73.1
119 32.3 27.0 40.6

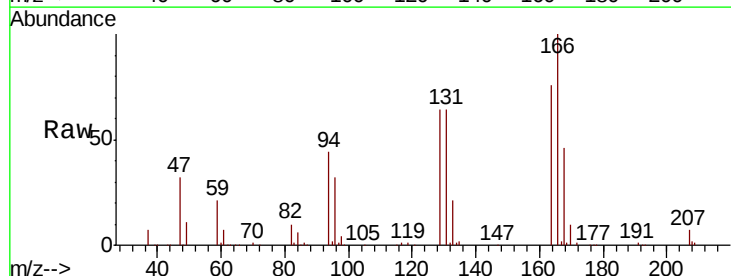


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

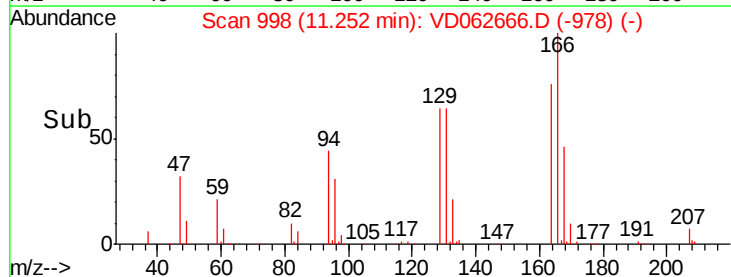
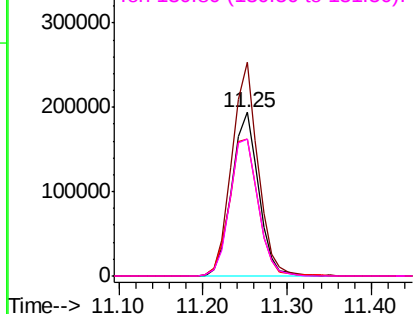


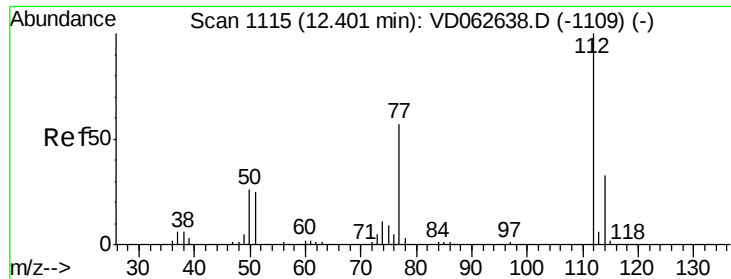
#64
Tetrachloroethene
Concen: 49.963 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:164 Resp: 429560
Ion Ratio Lower Upper
164 100
166 130.8 99.4 149.2
129 83.7 70.2 105.4
131 84.0 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

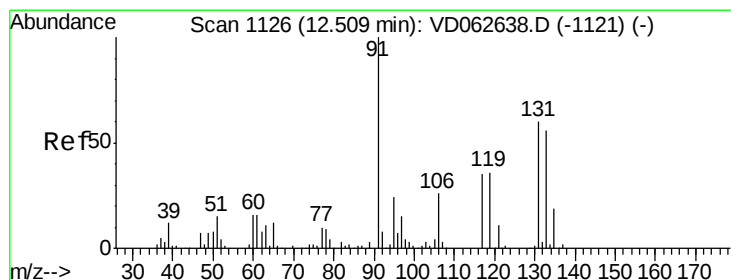
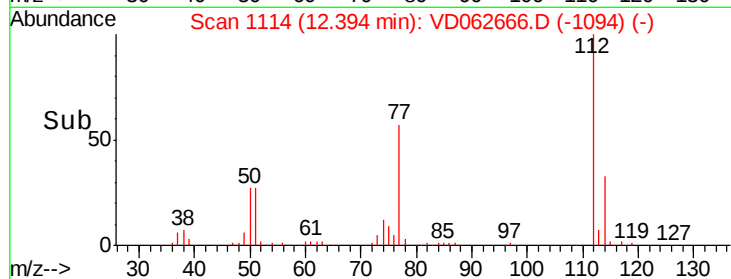
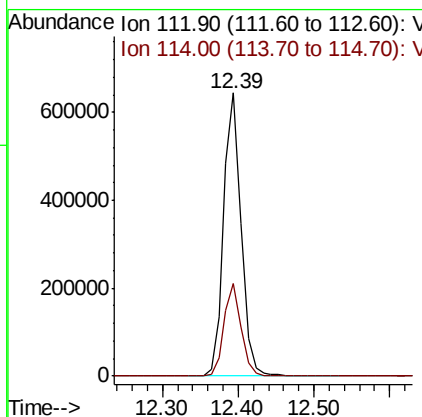
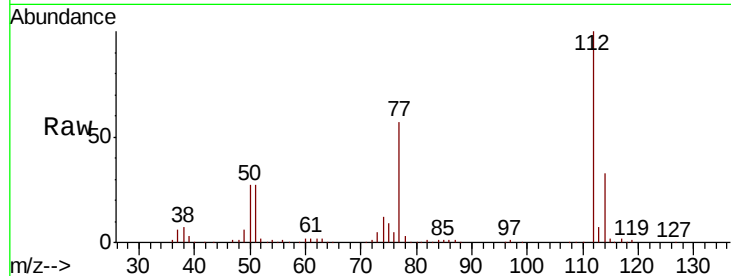




#65
Chlorobenzene
Concen: 50.934 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

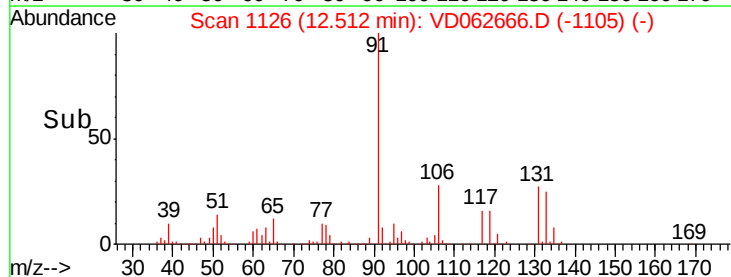
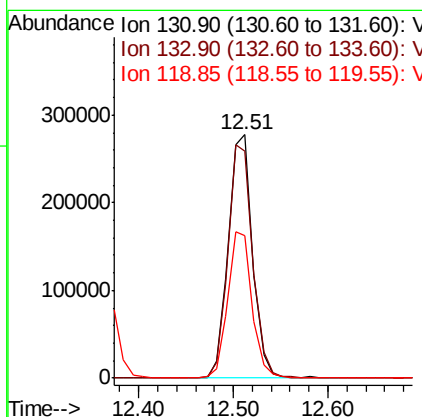
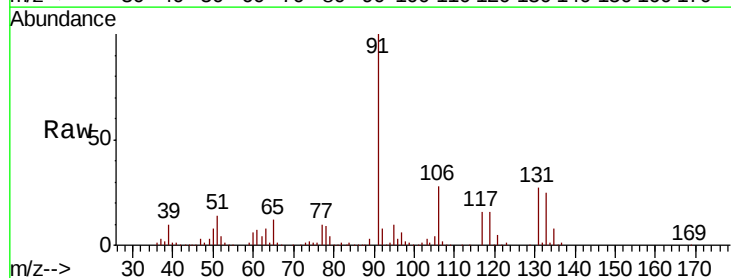
Instrument :
MSVOA_D
ClientSampled :

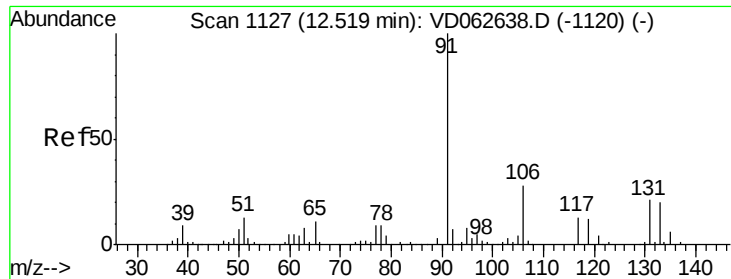
Tot Ion:112 Resp: 1034739
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.733 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:131 Resp: 491561
Ion Ratio Lower Upper
131 100
133 93.4 46.8 140.3
119 58.4 29.9 89.8

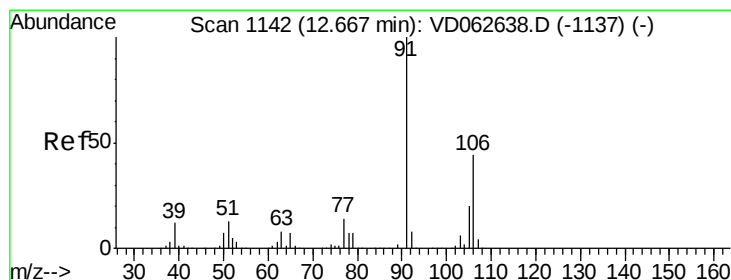
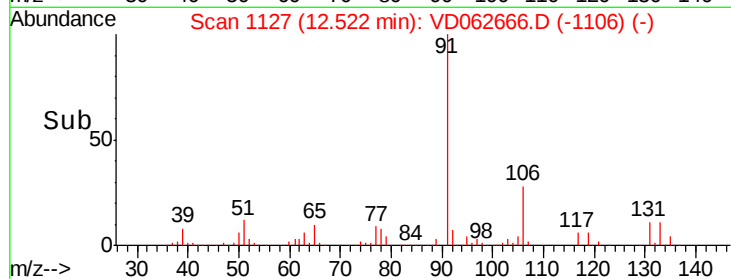
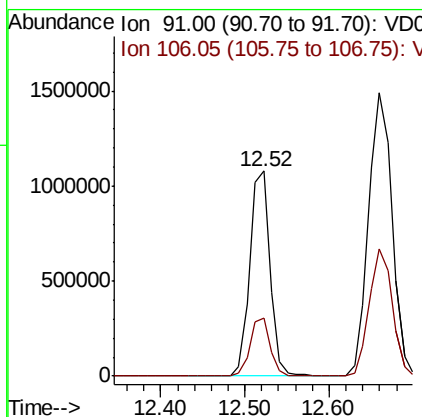
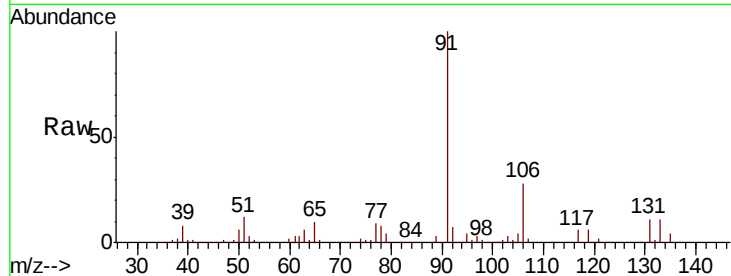




#67
Ethyl Benzene
Concen: 50.786 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

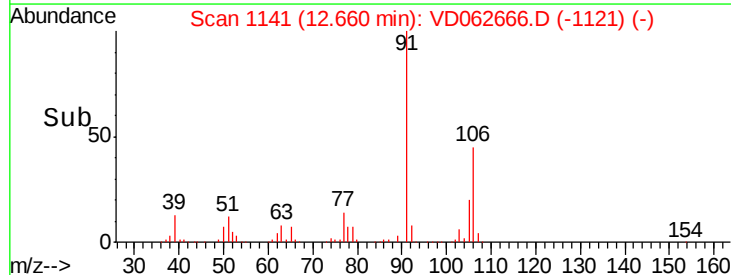
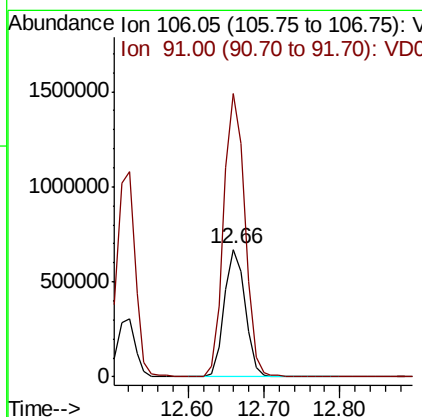
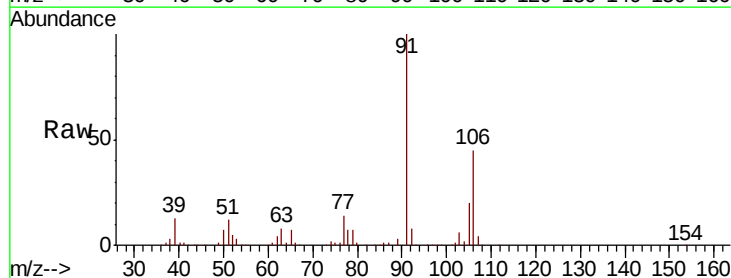
Instrument :
MSVOA_D
ClientSampled :

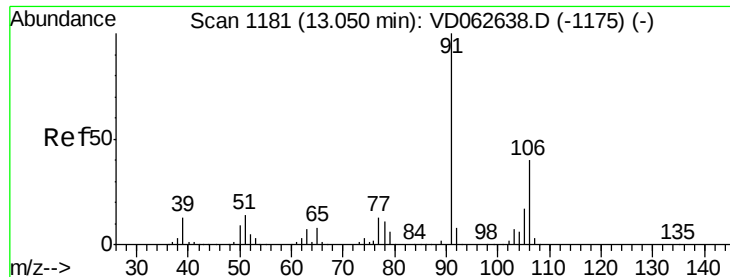
Tot Ion: 91 Resp: 1829293
Ion Ratio Lower Upper
91 100
106 28.3 22.1 33.1



#68
m/p-Xylenes
Concen: 101.136 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 106 Resp: 1280669
Ion Ratio Lower Upper
106 100
91 222.2 180.2 270.4

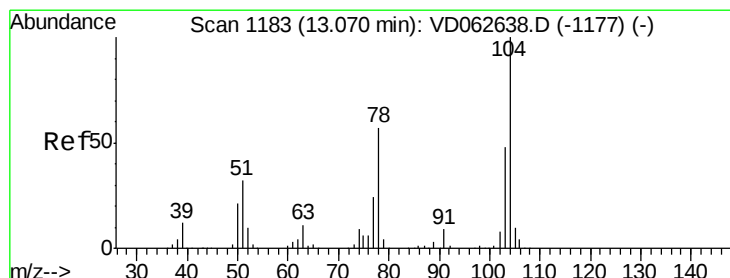
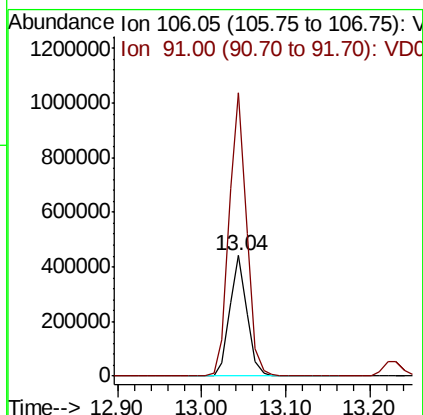
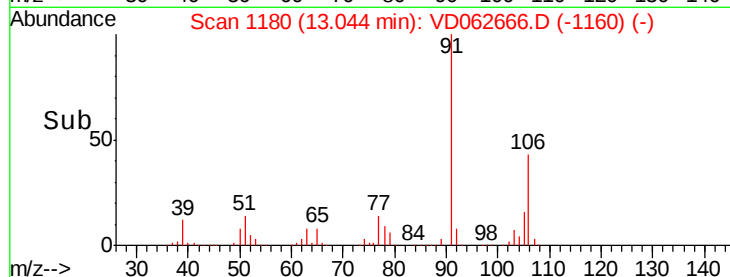
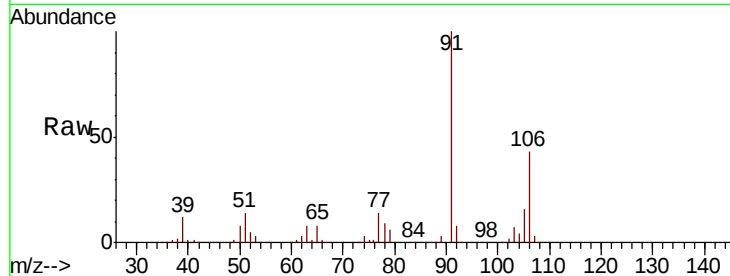




#69
o-Xylene
Concen: 53.886 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

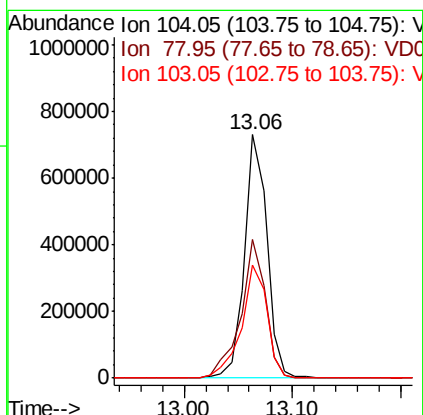
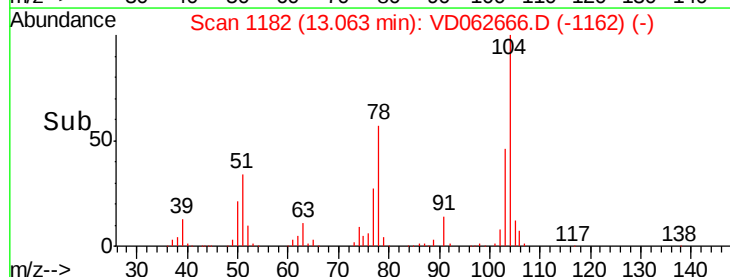
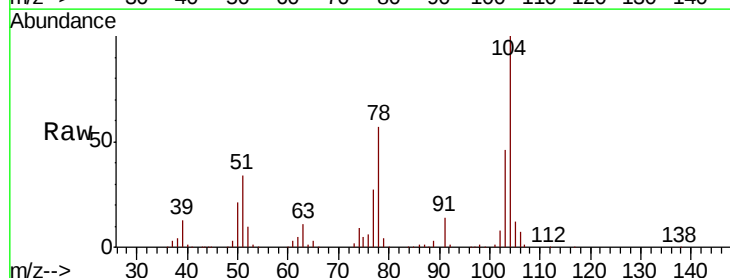
Instrument :
MSVOA_D
ClientSampled :

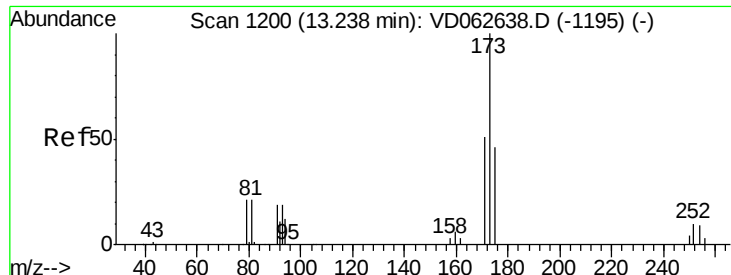
Tot Ion:106 Resp: 626672
Ion Ratio Lower Upper
106 100
91 234.9 124.1 372.1



#70
Styrene
Concen: 50.772 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:104 Resp: 1053537
Ion Ratio Lower Upper
104 100
78 57.0 45.9 68.9
103 46.4 38.4 57.6





#71

Bromoform

Concen: 48.289 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

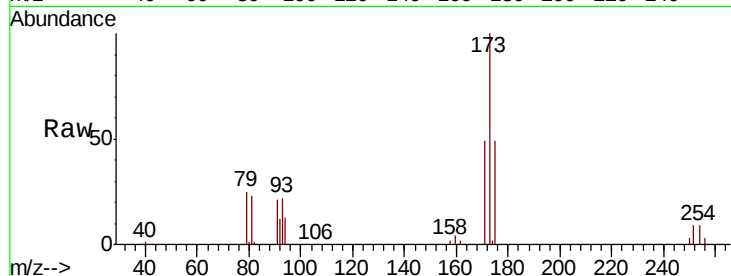
Tot Ion:173 Resp: 358161

Ion Ratio Lower Upper

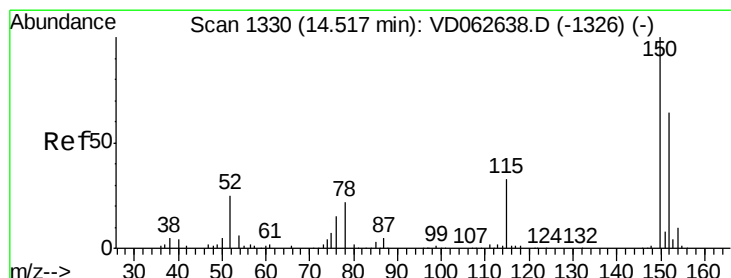
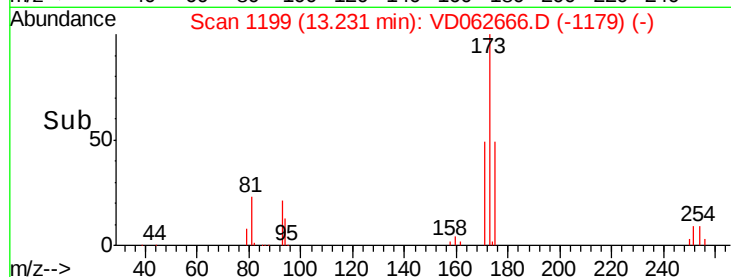
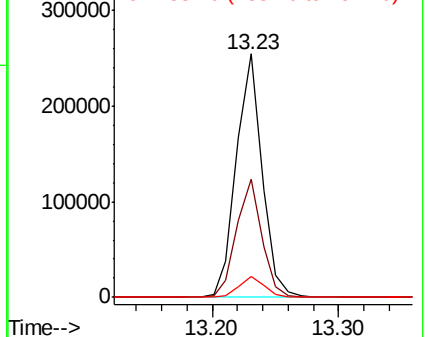
173 100

175 48.7 22.9 68.7

254 8.7 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

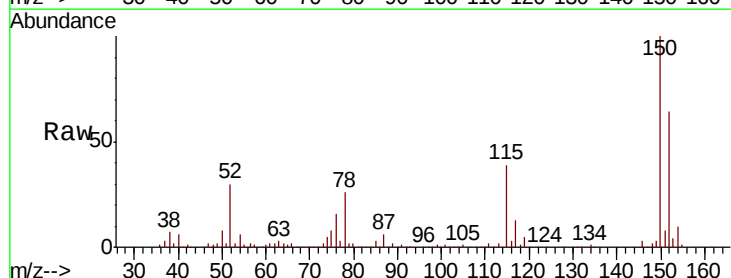
Tgt Ion:152 Resp: 488116

Ion Ratio Lower Upper

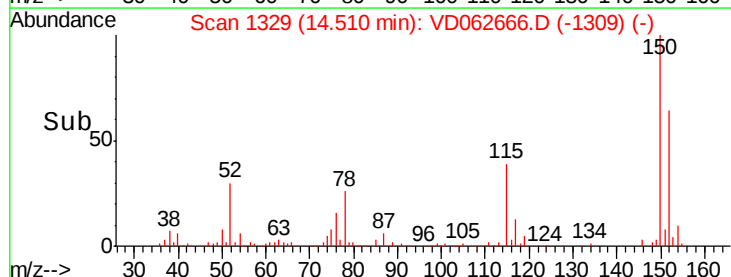
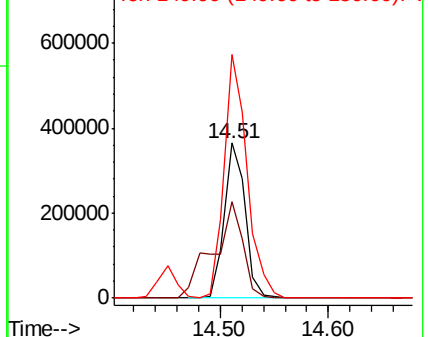
152 100

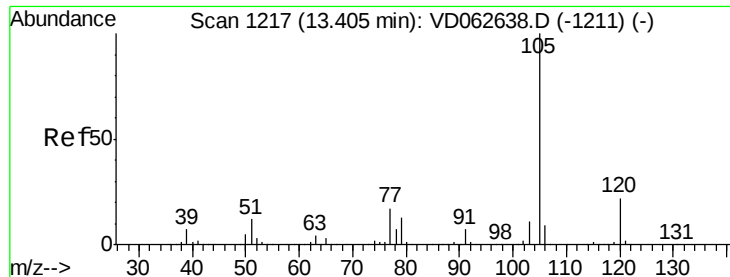
115 62.0 30.1 90.5

150 157.0 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: 48.828 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

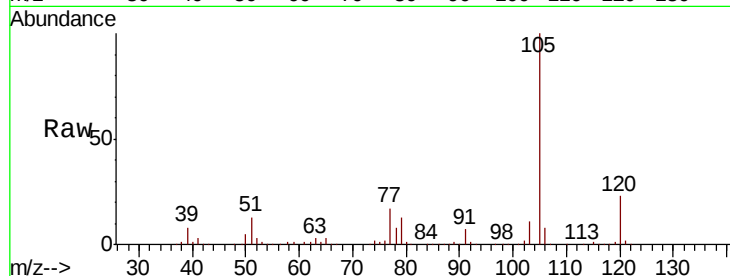
ClientSampleId :

Tot Ion:105 Resp: 1679914

Ion Ratio Lower Upper

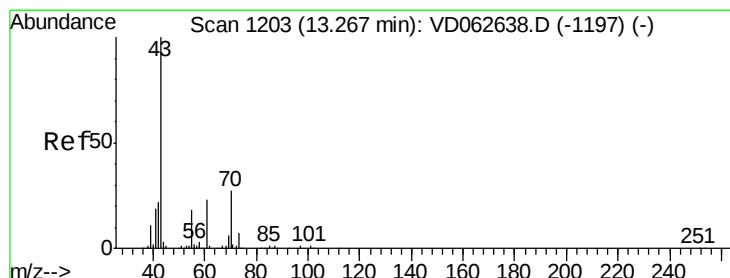
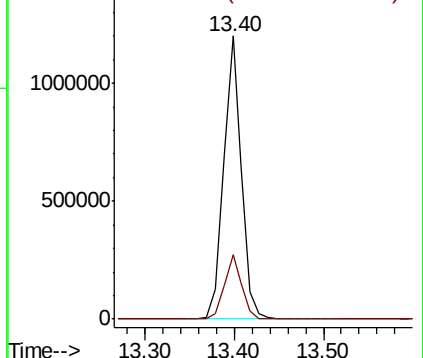
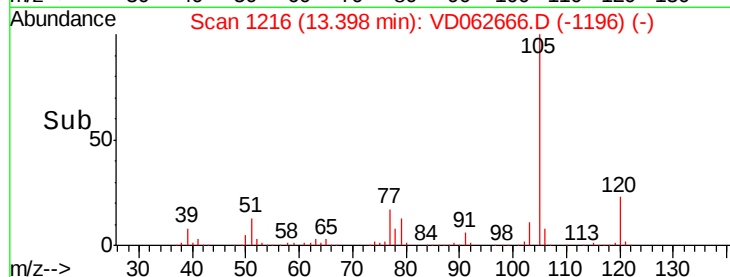
105 100

120 22.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.451 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Tgt Ion: 43 Resp: 506291

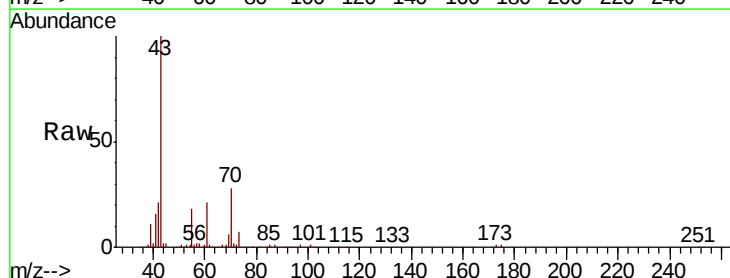
Ion Ratio Lower Upper

43 100

70 27.8 21.8 32.8

55 18.2 14.6 21.8

61 20.7 18.4 27.6

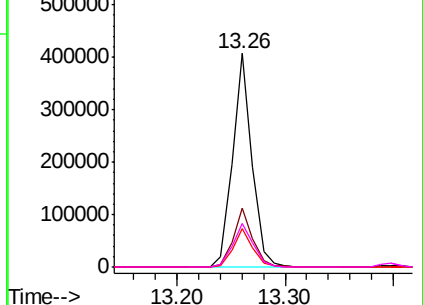
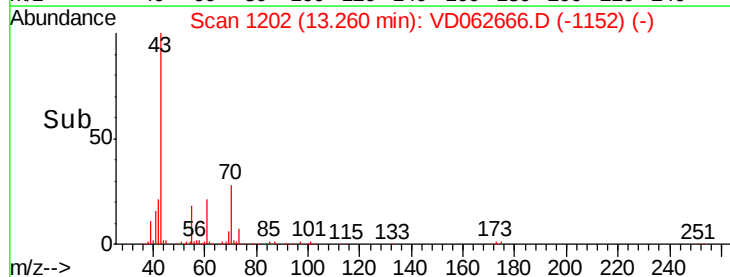


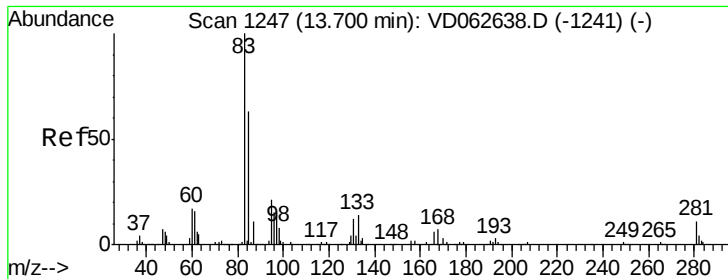
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 53.111 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

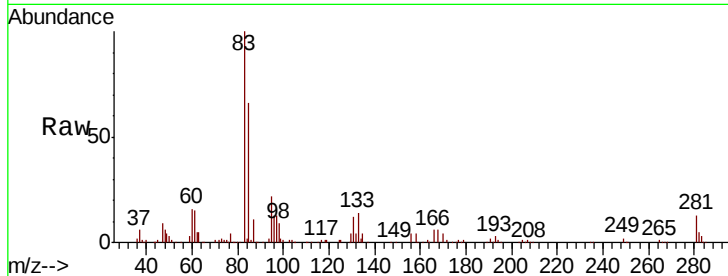
Tot Ion: 83 Resp: 312661

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.7

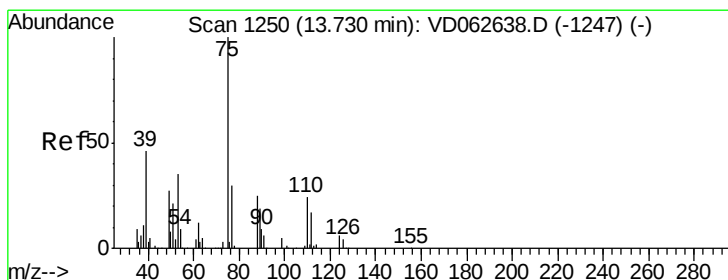
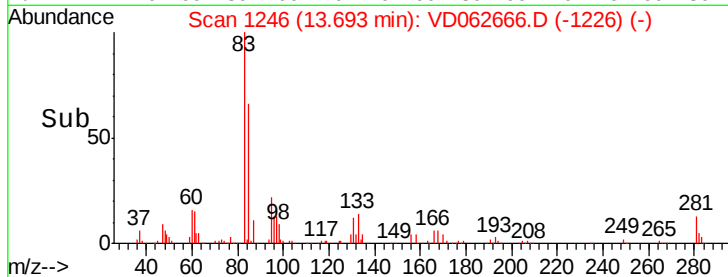
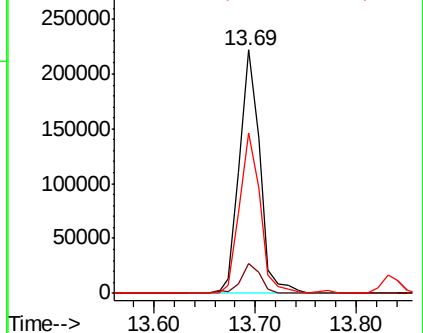
85 66.1 31.3 93.9



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: 51.580 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062666.D

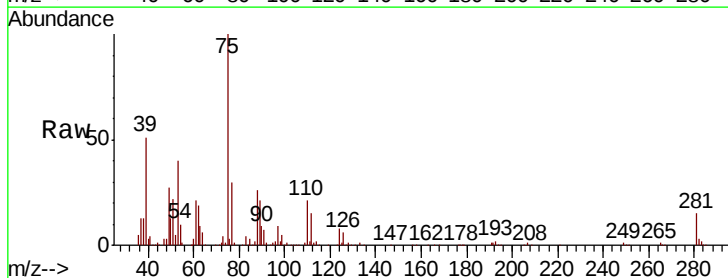
Acq: 12 Jun 2019 11:12

Tgt Ion: 75 Resp: 341373

Ion Ratio Lower Upper

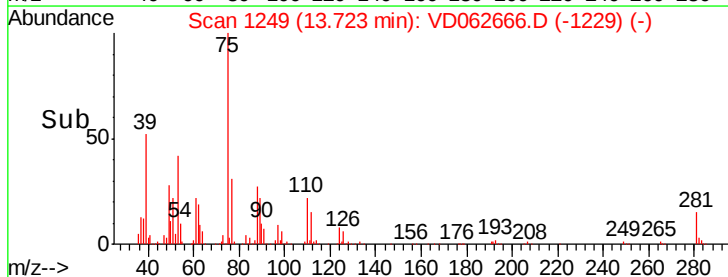
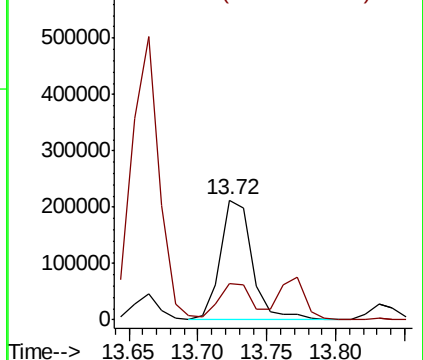
75 100

77 30.2 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: 53.816 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

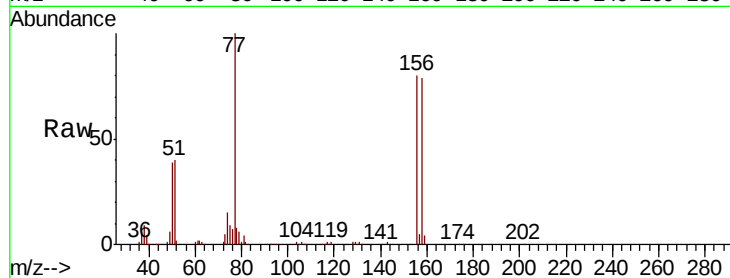
Tot Ion:156 Resp: 529201

Ion Ratio Lower Upper

156 100

77 125.0 56.3 168.8

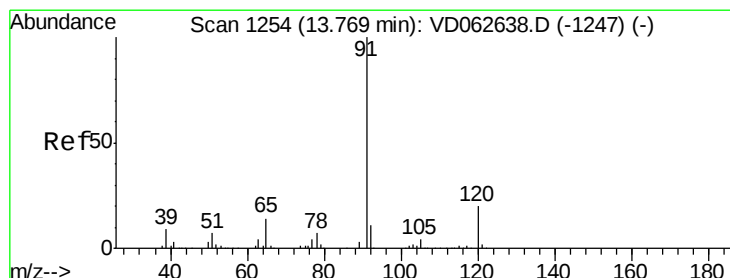
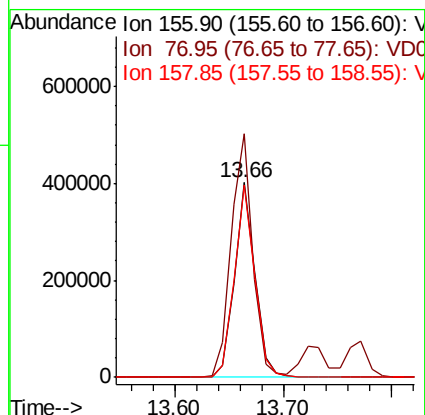
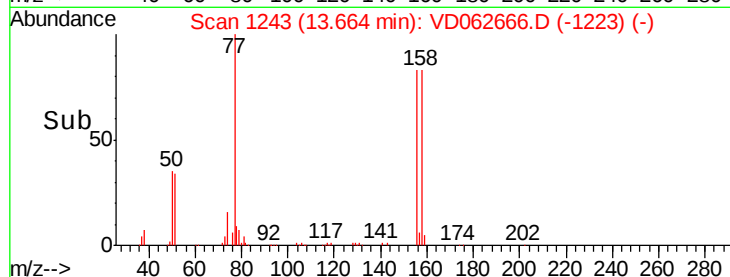
158 99.0 49.6 148.8



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: 50.689 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062666.D

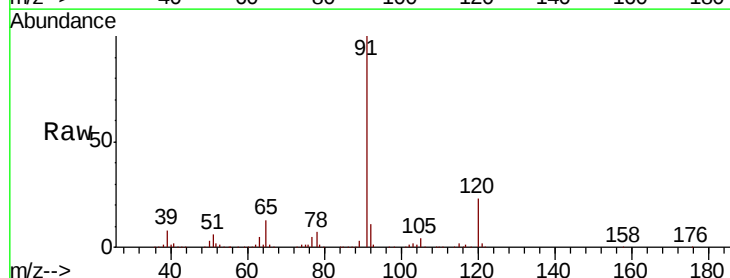
Acq: 12 Jun 2019 11:12

Tgt Ion: 91 Resp: 2134702

Ion Ratio Lower Upper

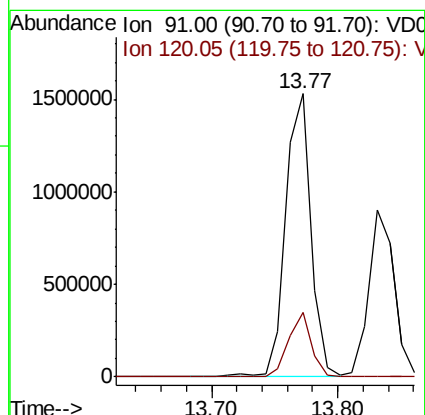
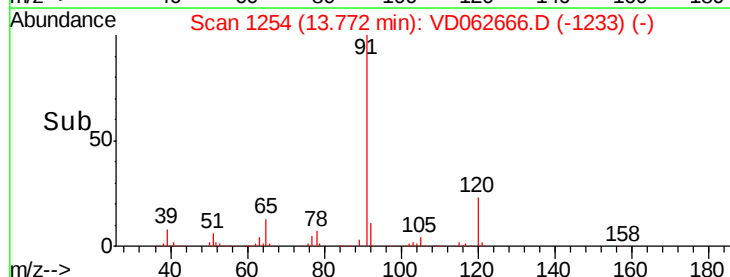
91 100

120 22.6 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

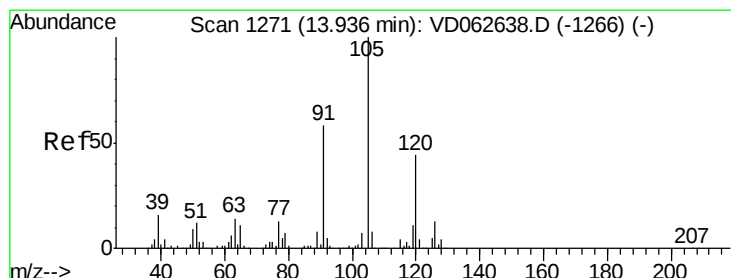
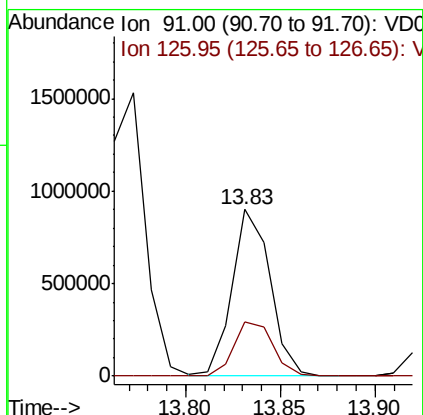
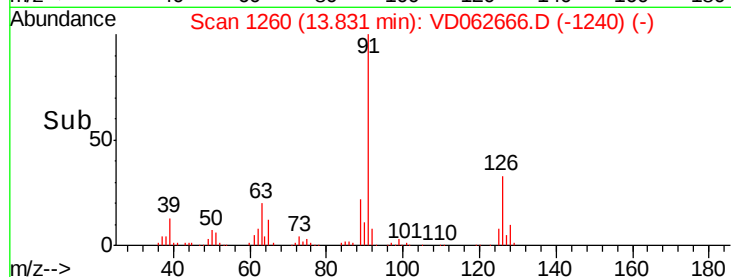
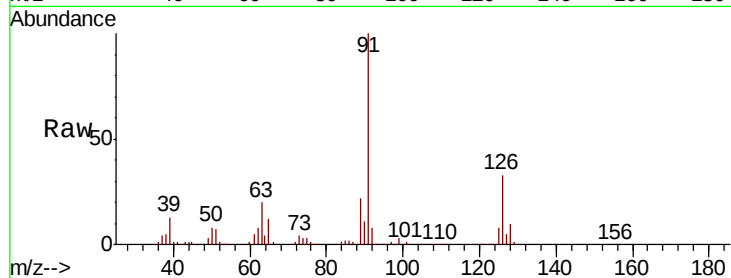




#79
 2-Chlorotoluene
 Concen: 50.572 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

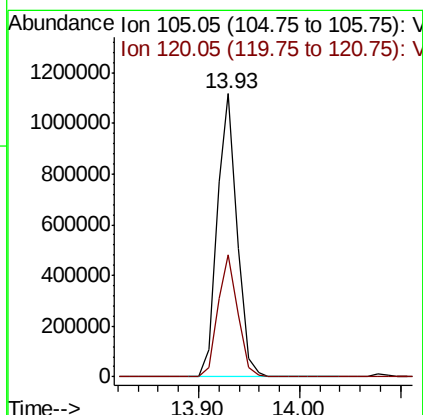
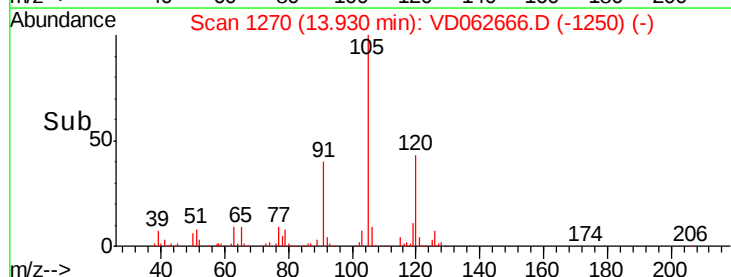
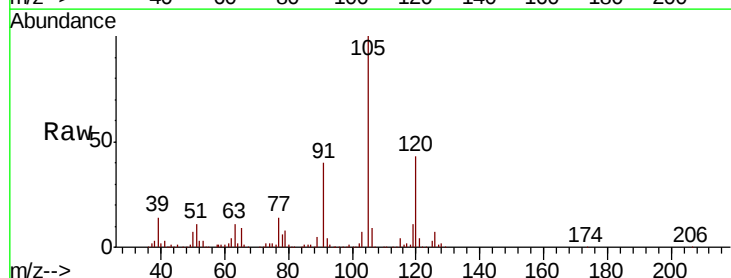
Instrument :
 MSVOA_D
 ClientSampleId :

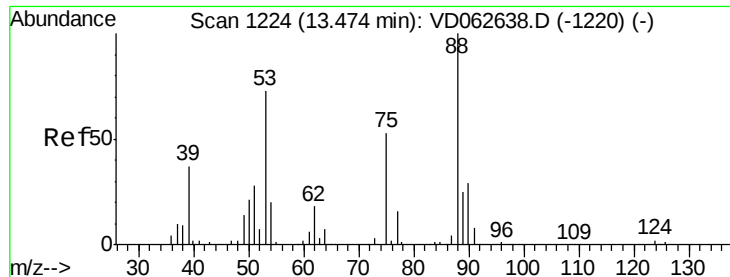
Tot Ion: 91 Resp: 1247011
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.425 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion: 105 Resp: 1533260
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5

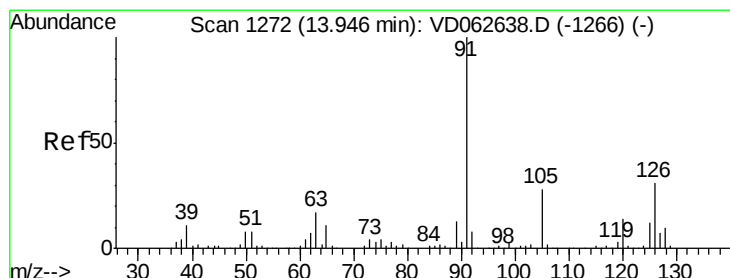
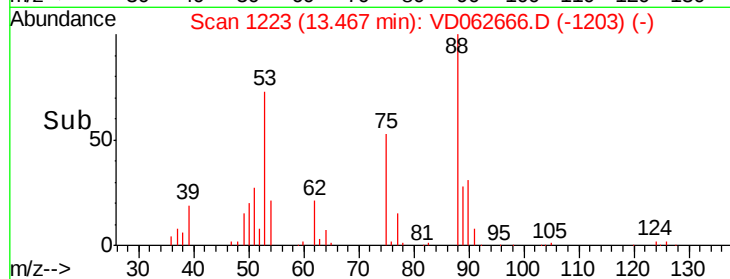
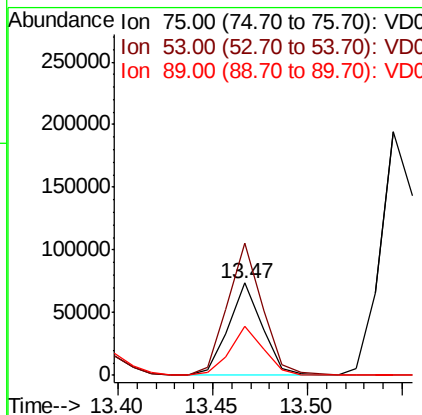
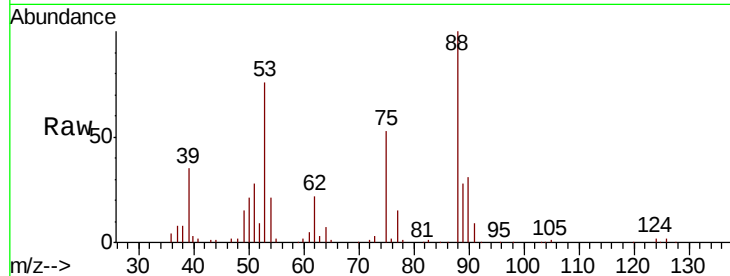




#81
trans-1,4-Dichloro-2-butene
Concen: 46.927 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

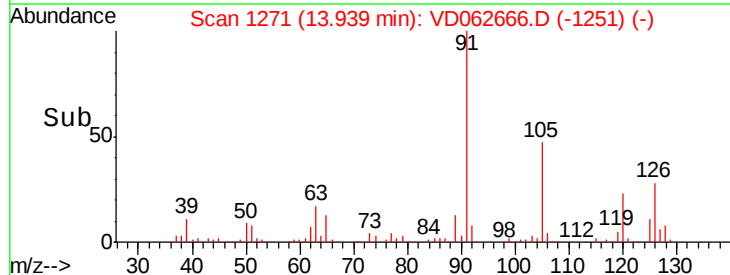
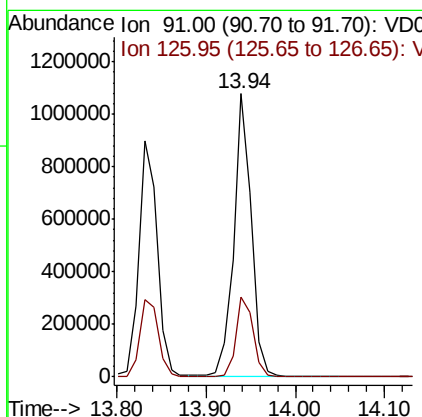
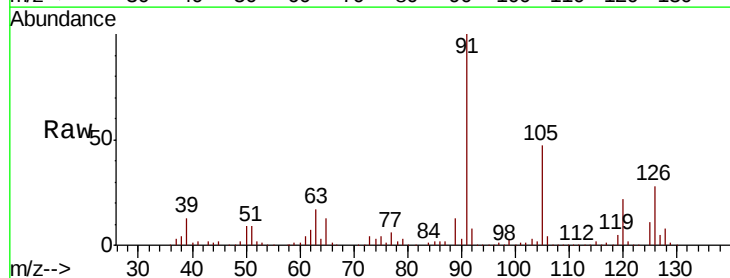
Instrument :
MSVOA_D
ClientSampleId :

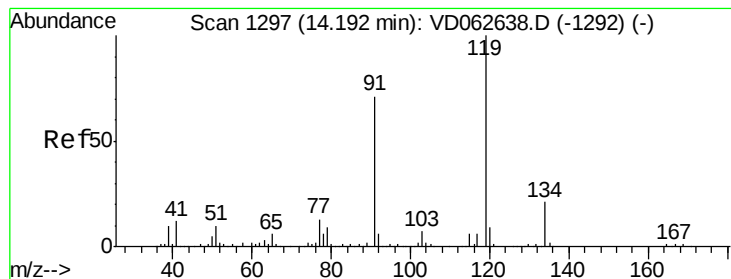
Tot Ion: 75 Resp: 91595
Ion Ratio Lower Upper
75 100
53 143.0 109.4 164.2
89 52.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 50.796 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion: 91 Resp: 1497913
Ion Ratio Lower Upper
91 100
126 28.2 15.6 46.8





#83

tert-Butylbenzene

Concen: 56.753 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

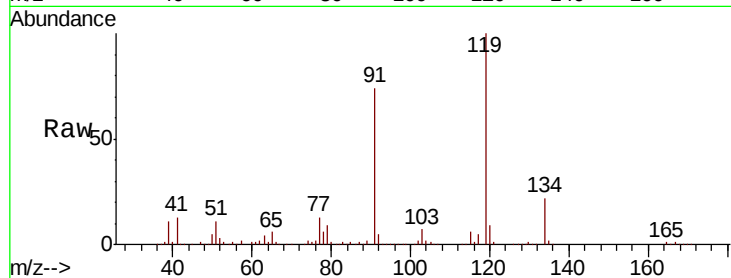
Tot Ion:119 Resp: 1903321

Ion Ratio Lower Upper

119 100

91 74.4 35.4 106.1

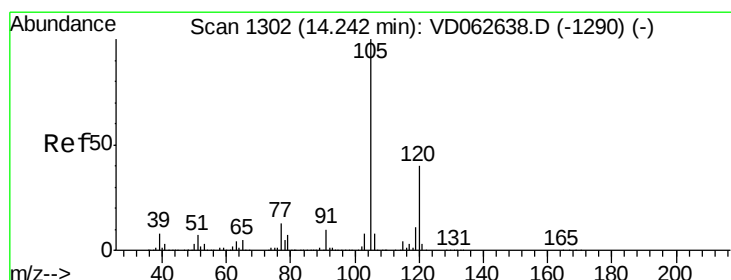
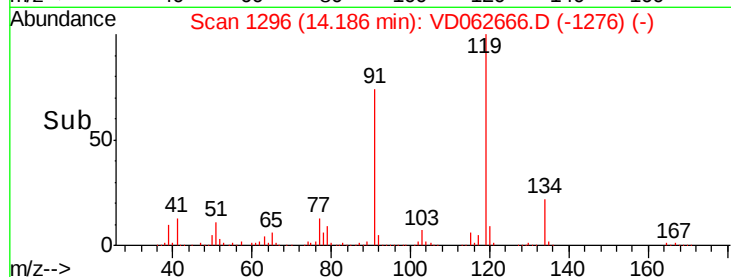
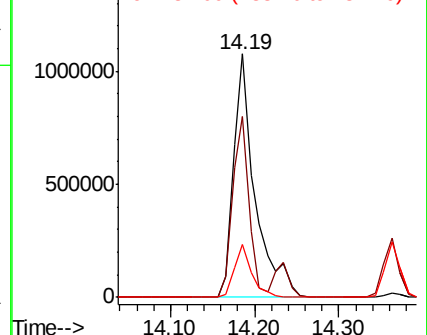
134 21.5 10.8 32.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.294 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062666.D

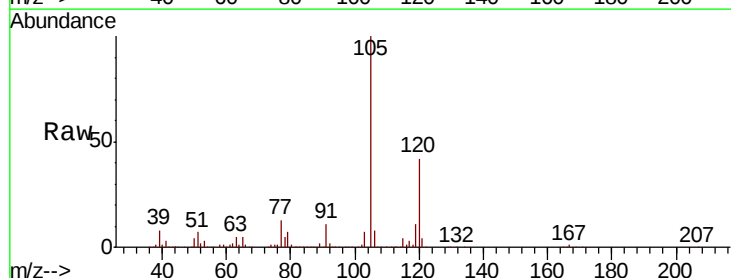
Acq: 12 Jun 2019 11:12

Tgt Ion:105 Resp: 1694781

Ion Ratio Lower Upper

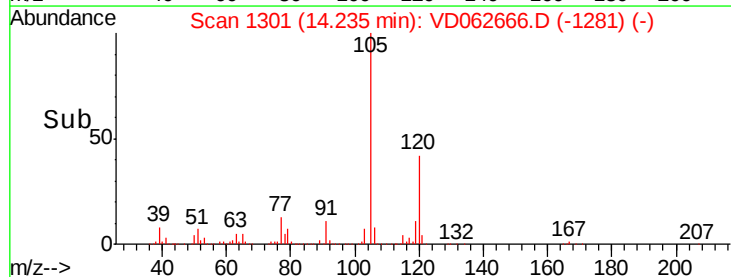
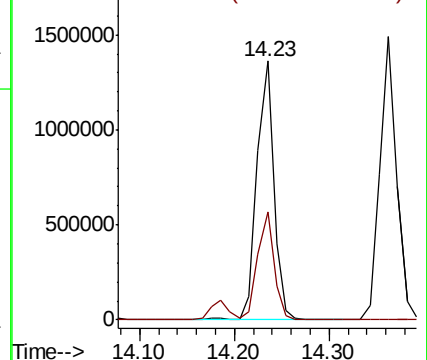
105 100

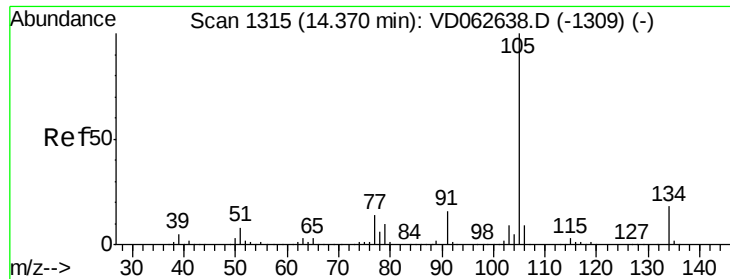
120 41.5 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

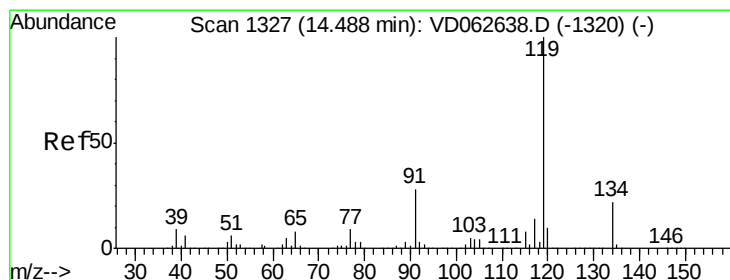
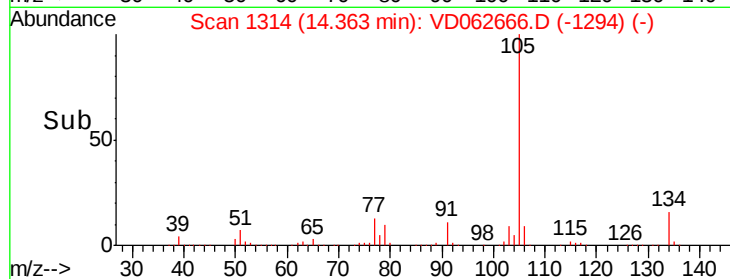
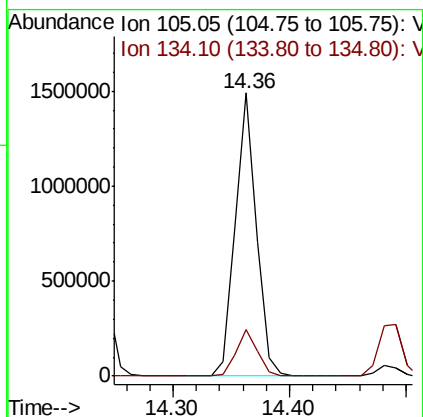
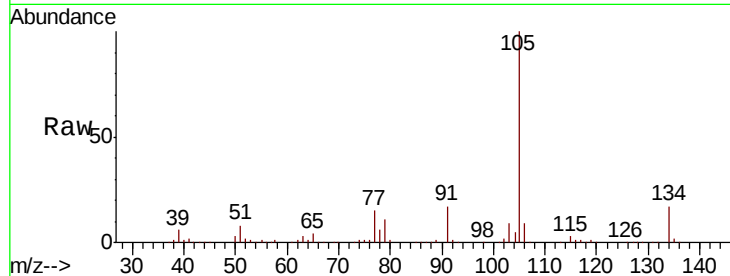




#85
 sec-Butylbenzene
 Concen: 53.031 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

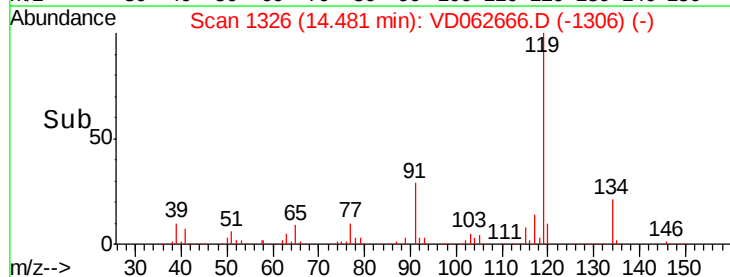
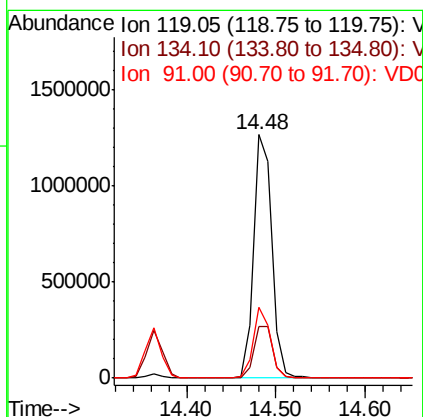
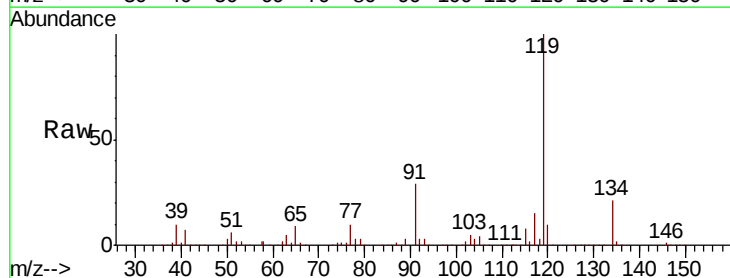
Instrument :
 MSVOA_D
 ClientSampleId :

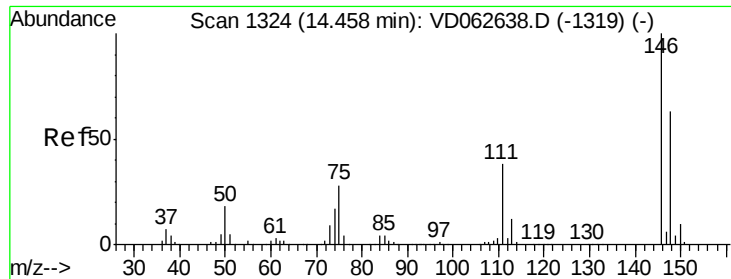
Tot Ion:105 Resp: 1864927
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 51.195 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:119 Resp: 1752884
 Ion Ratio Lower Upper
 119 100
 134 21.1 10.9 32.6
 91 29.3 13.9 41.6

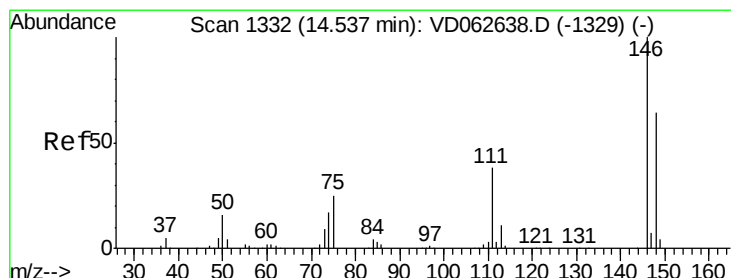
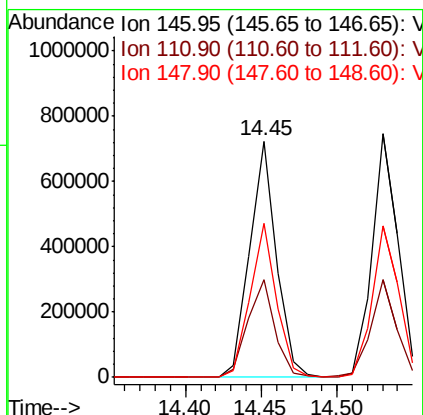
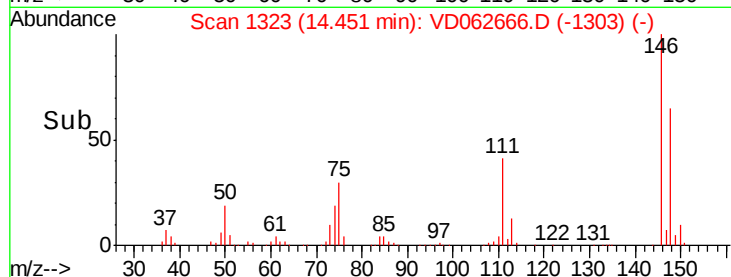
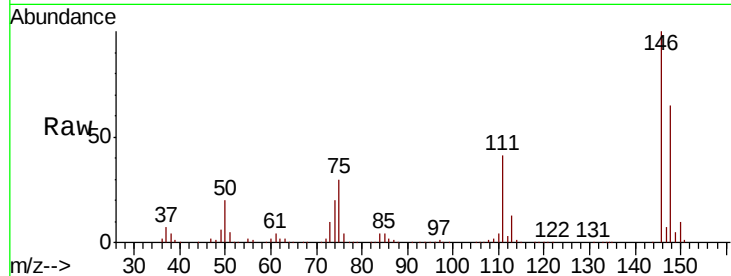




#87
 1,3-Dichlorobenzene
 Concen: 50.068 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

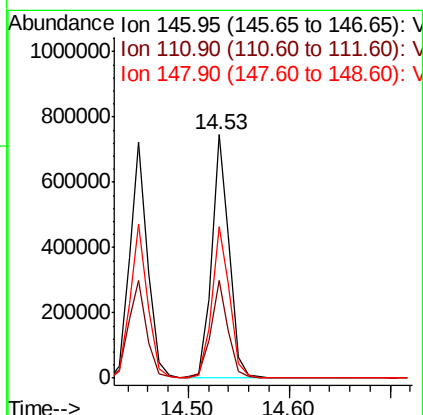
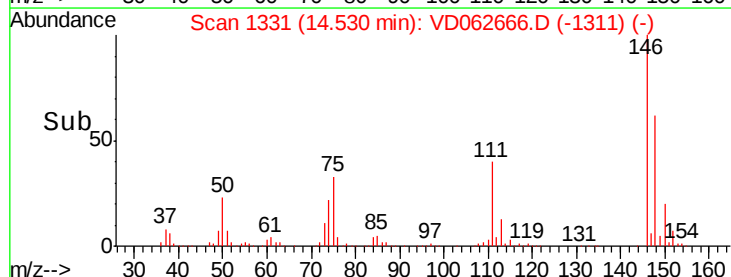
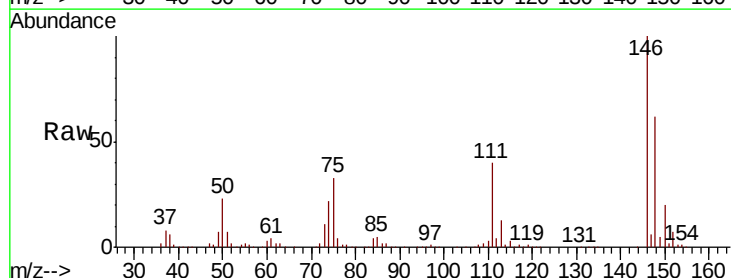
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 891922
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.2 57.6
 148 65.2 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 53.398 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion:146 Resp: 898982
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.9 56.7
 148 62.4 32.3 96.8





#89

n-Butylbenzene

Concen: 52.426 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

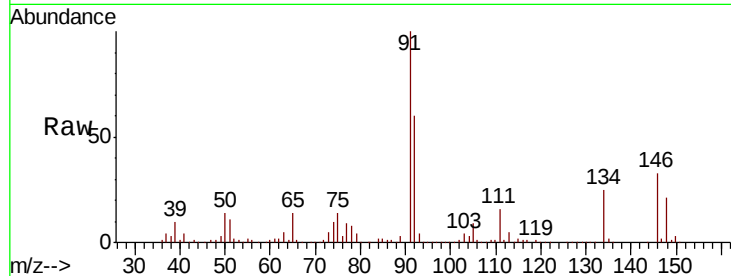
Tot Ion: 91 Resp: 1614868

Ion	Ratio	Lower	Upper
91	100		
92	60.5	29.4	88.3
134	25.3	10.4	31.2

91 100

92 60.5 29.4 88.3

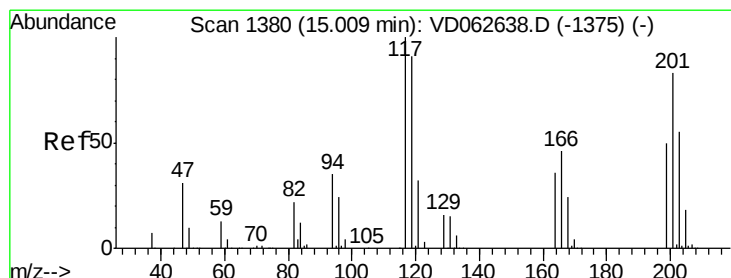
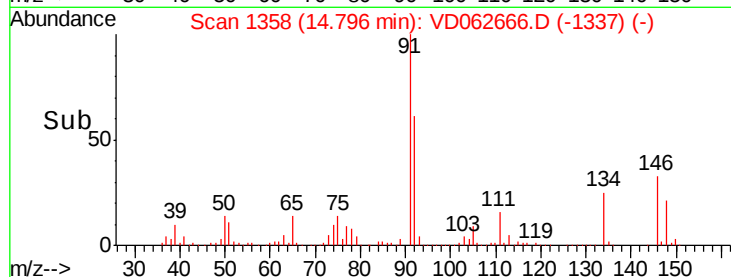
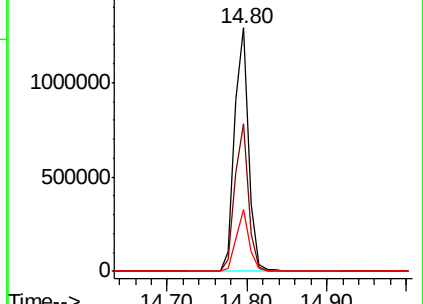
134 25.3 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 54.560 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062666.D

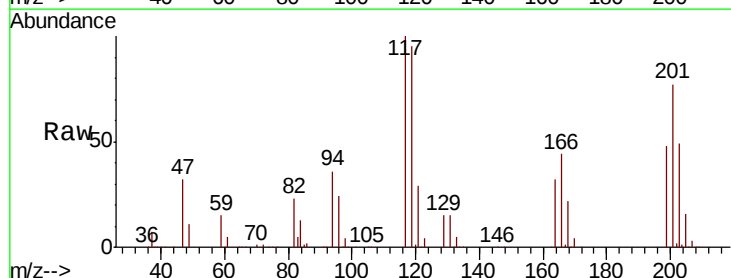
Acq: 12 Jun 2019 11:12

Tgt Ion: 117 Resp: 493177

Ion	Ratio	Lower	Upper
117	100		
201	77.3	41.5	124.6

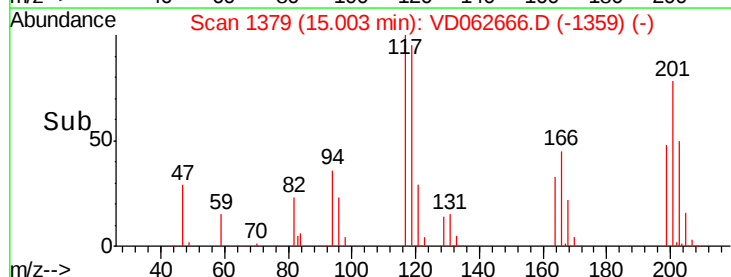
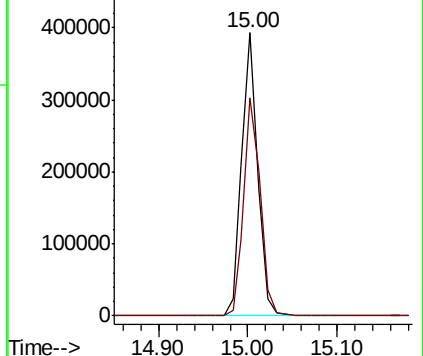
117 100

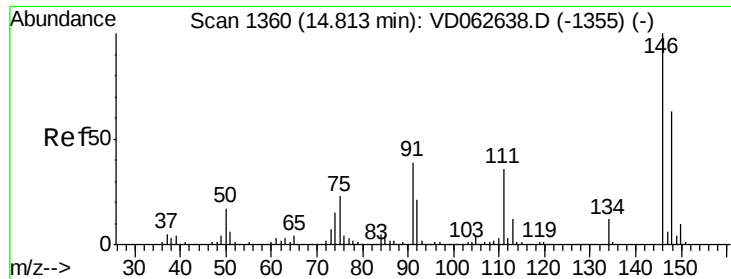
201 77.3 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 51.986 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

Instrument :

MSVOA_D

ClientSampleId :

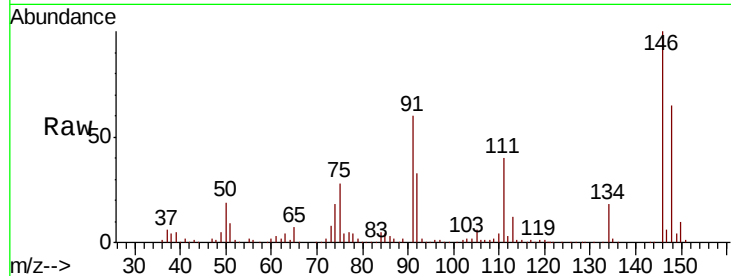
Tot Ion:146 Resp: 769826

Ion Ratio Lower Upper

146 100

111 40.1 18.1 54.3

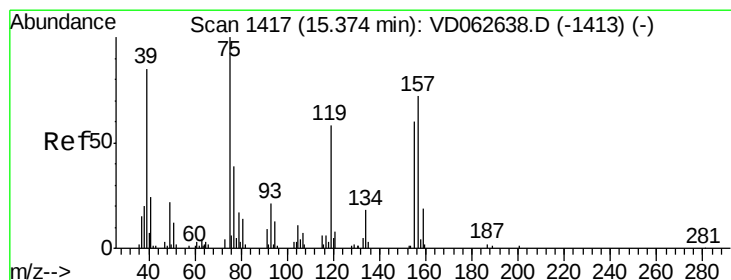
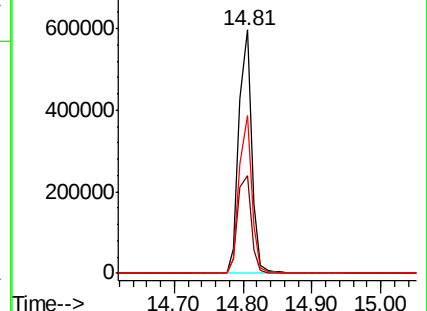
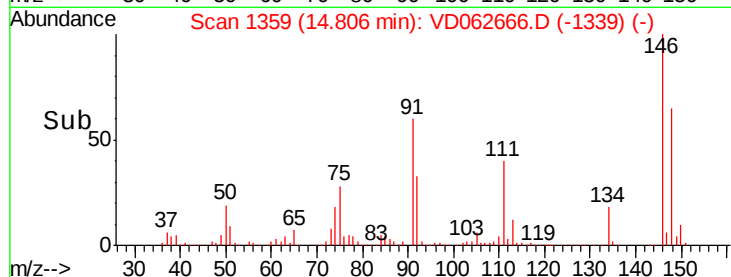
148 64.7 31.4 94.0



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: 49.530 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062666.D

Acq: 12 Jun 2019 11:12

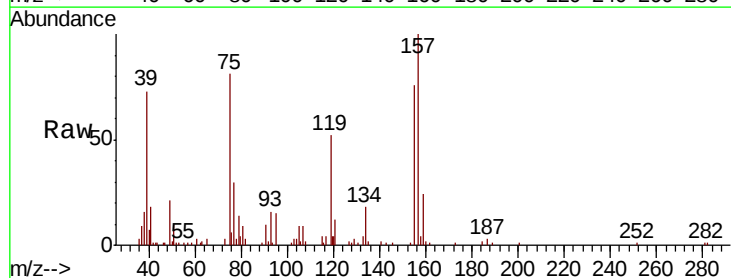
Tgt Ion: 75 Resp: 62282

Ion Ratio Lower Upper

75 100

155 94.5 30.1 90.5#

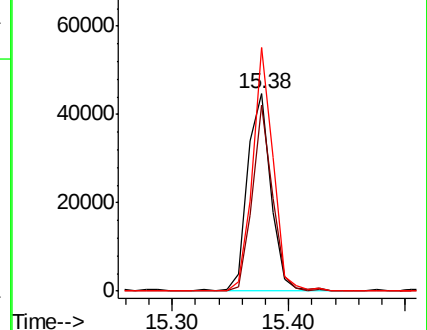
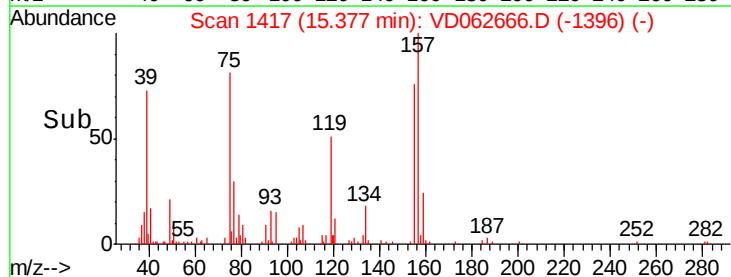
157 123.6 35.9 107.8#

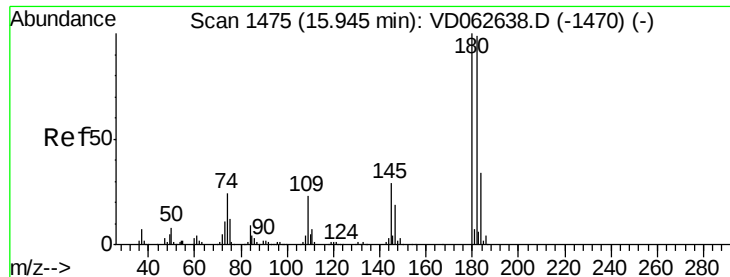


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

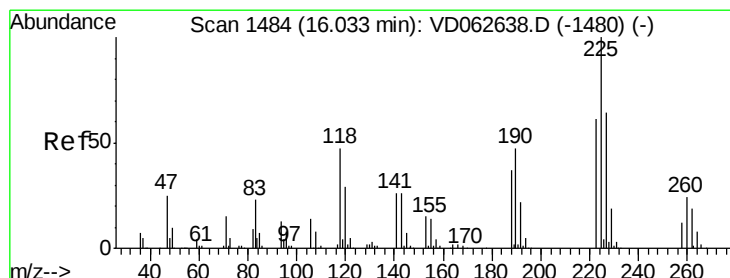
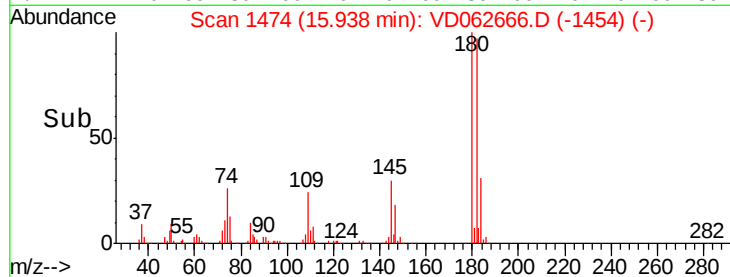
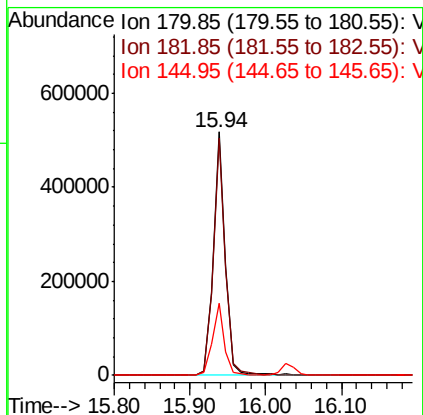
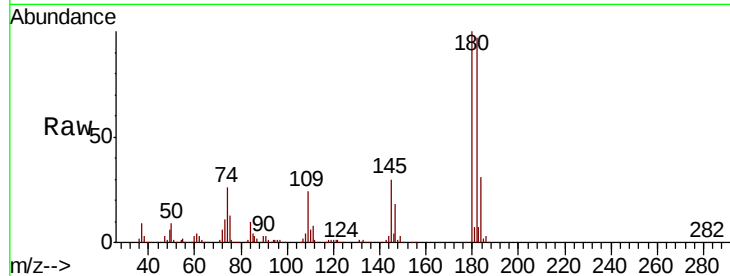




#93
 1,2,4-Trichlorobenzene
 Concen: 46.746 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

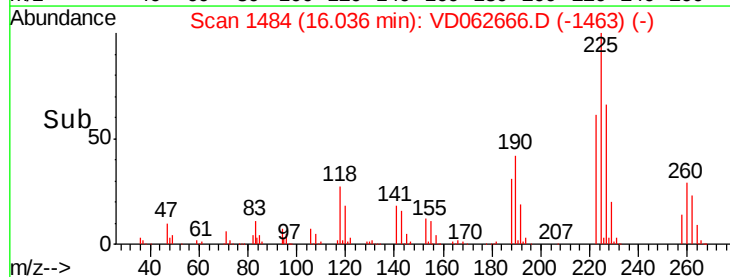
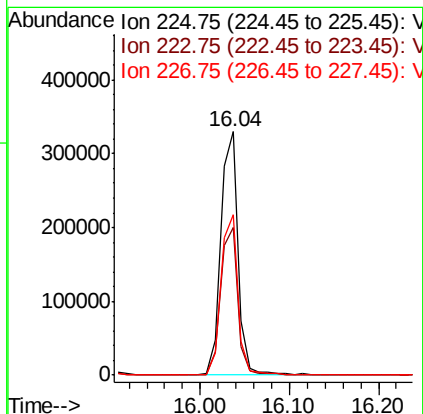
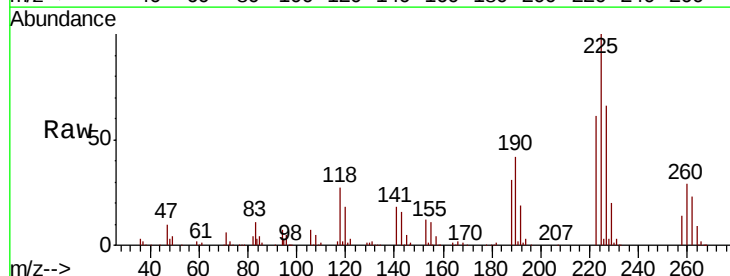
Instrument :
 MSVOA_D
 ClientSampleId :

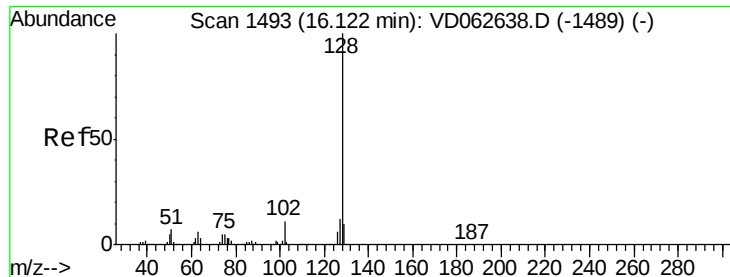
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.4	148.2
145	29.5	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 51.684 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062666.D
 Acq: 12 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.3	91.0
227	65.7	31.8	95.4

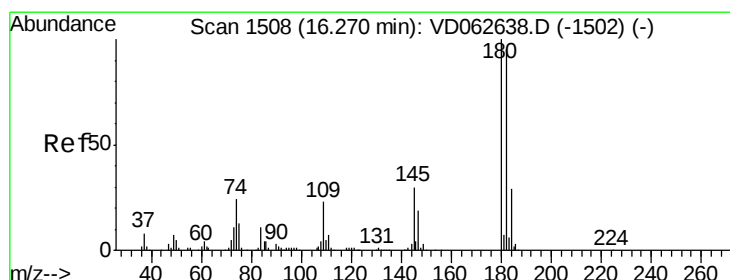
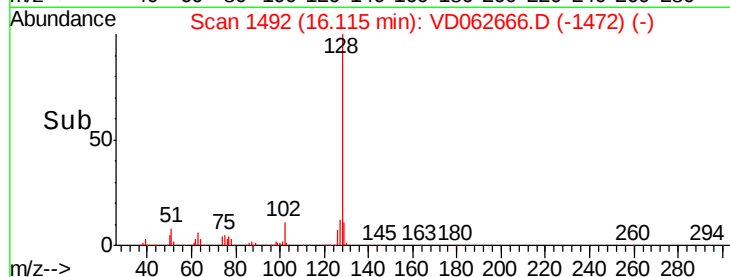
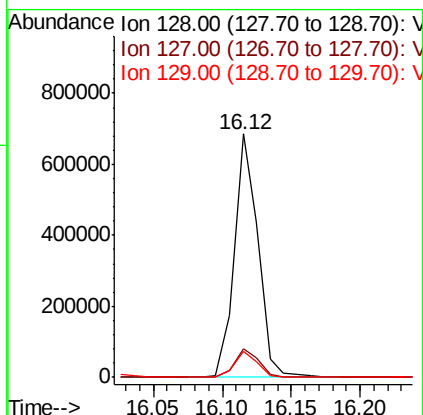
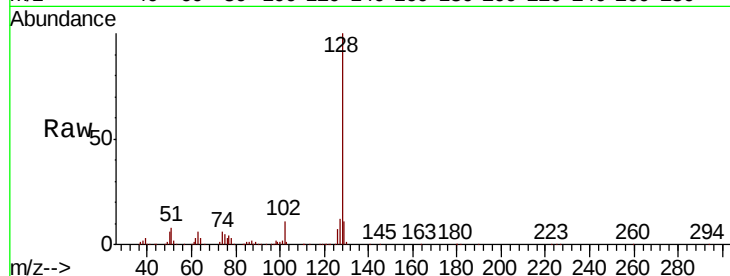




#95
Naphthalene
Concen: 46.263 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 814474
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 10.8 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 52.659 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062666.D
Acq: 12 Jun 2019 11:12

Tgt Ion:180 Resp: 449153
Ion Ratio Lower Upper
180 100
182 97.9 47.7 143.1
145 32.5 15.0 45.0

