

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX100418\
 Data File : VX005062.D
 Acq On : 05 Oct 2018 11:38
 Operator : JC/MD
 Sample : J5198-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-100218-B

Quant Time: Oct 05 12:10:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

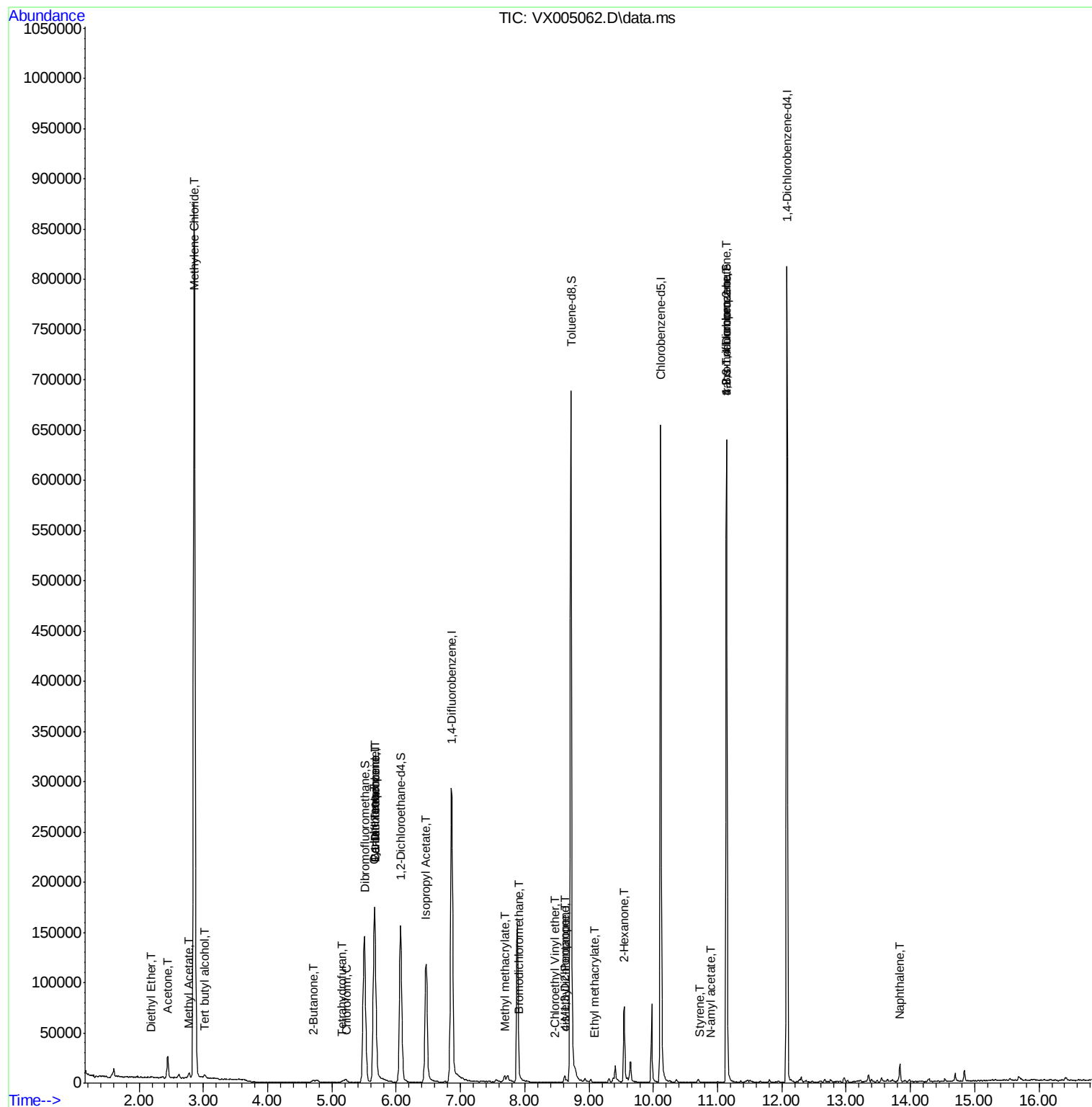
Internal Standards						
1) Pentafluorobenzene	5.665	168	186930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.860	114	311548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.116	117	312261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.079	152	168869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.068	65	150772	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
35) Dibromofluoromethane	5.507	113	124401	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
50) Toluene-d8	8.720	98	453120	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.140	95	162304	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
Target Compounds						
						Qvalue
6) Chloroethane	1.721	64	587	Below Cal		93
8) Diethyl Ether	2.184	74	409	0.26 ug/l		85
11) Tert butyl alcohol	3.013	59	2425	3.25 ug/l #		78
16) Acetone	2.440	43	23044	14.78 ug/l		94
18) Methyl Acetate	2.776	43	6237	1.58 ug/l		96
20) Methylene Chloride	2.855	84	379407	169.39 ug/l #		79
25) 2-Butanone	4.708	43	4373	1.90 ug/l		92
29) Tetrahydrofuran	5.153	42	1593	1.12 ug/l #		88
30) Chloroform	5.220	83	3341	0.80 ug/l		94
31) Cyclohexane	5.659	56	3393	1.00 ug/l #		1
36) 1,1-Dichloropropene	5.665	75	12564	3.49 ug/l #		47
38) Carbon Tetrachloride	5.665	117	16435	4.34 ug/l #		18
43) Isopropyl Acetate	6.464	43	165117	23.92 ug/l		97
47) Bromodichloromethane	7.909	83	845	0.26 ug/l #		82
48) Methyl methacrylate	7.689	41	6764	2.16 ug/l #		24
51) 4-Methyl-2-Pentanone	8.622	43	2172	0.50 ug/l #		47
54) cis-1,3-Dichloropropene	8.622	75	1040	0.27 ug/l #		68
56) Ethyl methacrylate	9.079	69	89	2.88 ug/l #		22
58) 2-Chloroethyl Vinyl ether	8.464	63	21	14.25 ug/l #		49
59) 2-Hexanone	9.549	43	8948	2.47 ug/l #		56
70) Styrene	10.719	104	73	2.15 ug/l #		74
74) N-ethyl acetate	10.896	43	76	1.76 ug/l #		58
76) 1,2,3-Trichloropropane	11.140	75	80760	21.34 ug/l #		35
80) 1,3,5-Trimethylbenzene	11.506	105	725	Below Cal		92
81) trans-1,4-Dichloro-2-b...	11.140	75	80760	57.87 ug/l #		10
84) 1,2,4-Trimethylbenzene	11.804	105	1100	Below Cal		93
95) Naphthalene	13.835	128	10686	1.47 ug/l		98

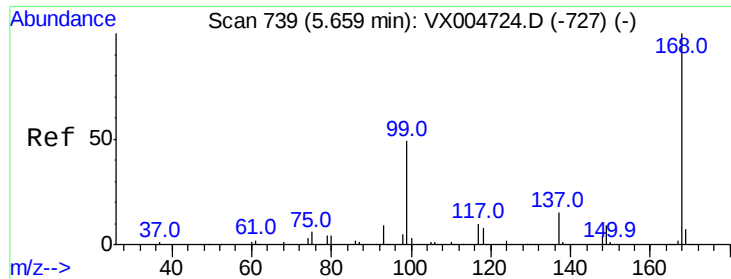
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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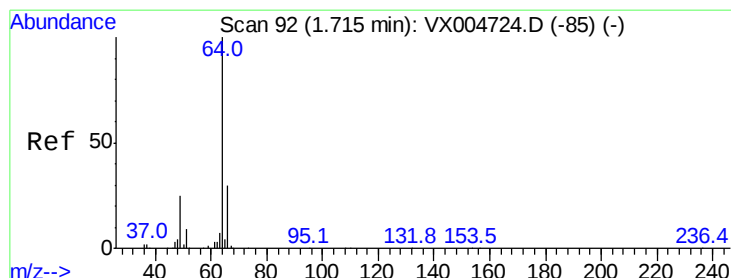
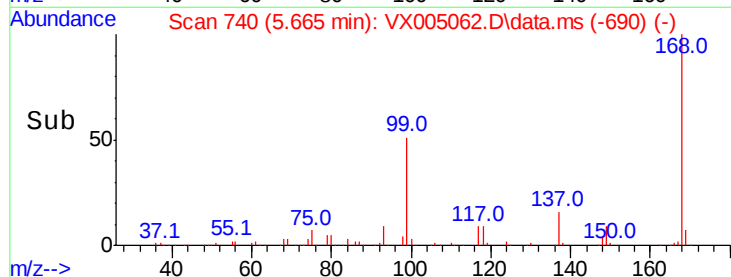
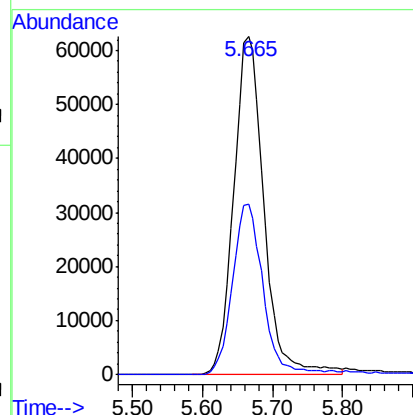
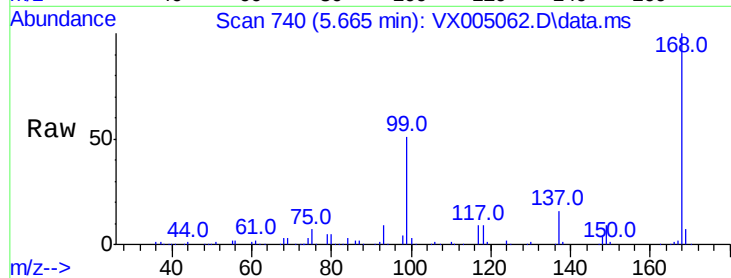




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.665 min Scan# 74
Delta R.T. 0.006 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

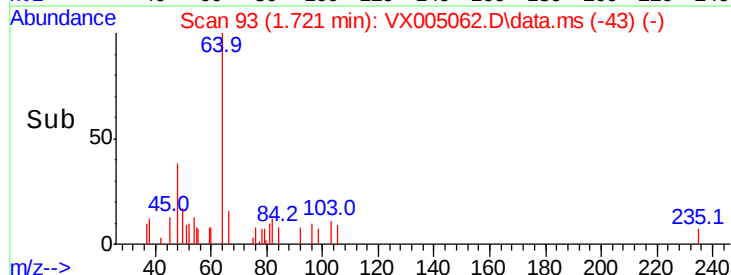
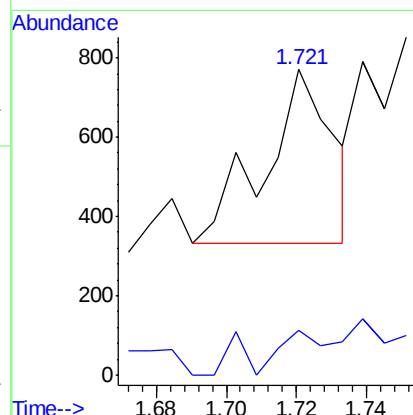
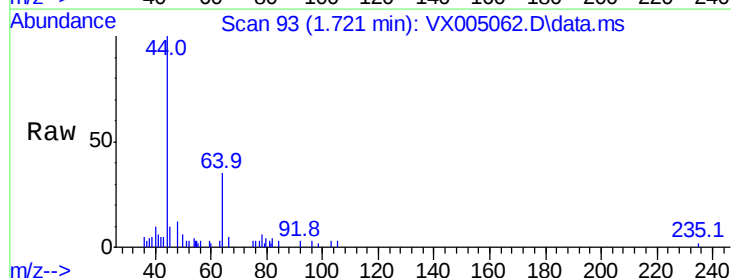
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

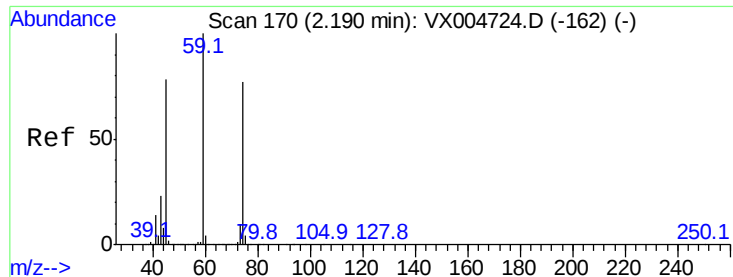
Tot Ion:168 Resp: 186930
Ion Ratio Lower Upper
168 100
99 50.5 39.3 58.9



#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 93
Delta R.T. 0.006 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 64 Resp: 587
Ion Ratio Lower Upper
64 100
66 25.9 23.8 35.6





#8

Diethyl Ether

Concen: 0.26 ug/l

RT: 2.184 min Scan# 16

Delta R.T. -0.006 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

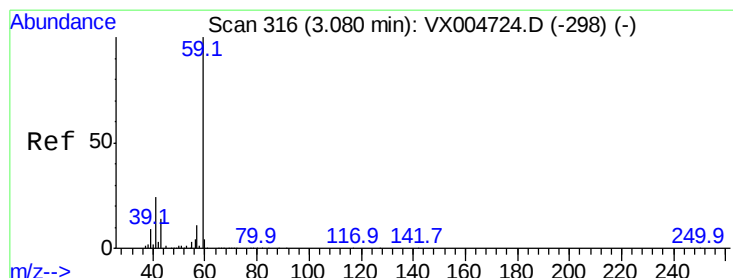
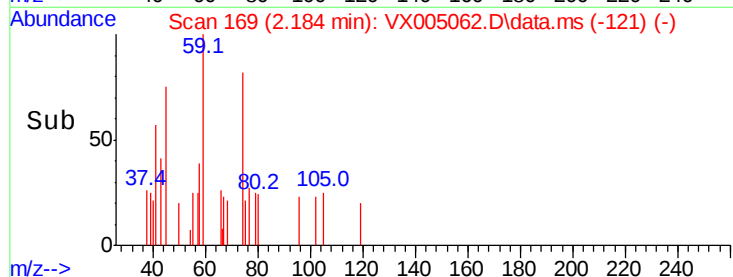
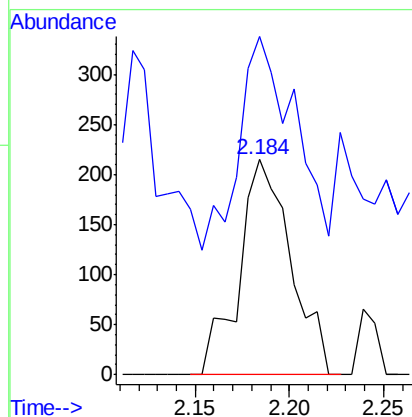
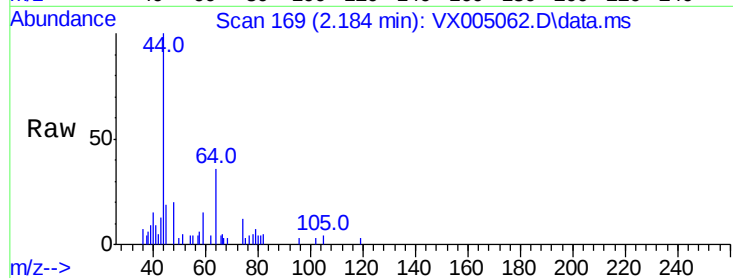
CL-01-100218-B

Tot Ion: 74 Resp: 409

Ion Ratio Lower Upper

74 100

45 120.0 52.5 157.6



#11

Tert butyl alcohol

Concen: 3.25 ug/l

RT: 3.013 min Scan# 305

Delta R.T. -0.067 min

Lab File: VX005062.D

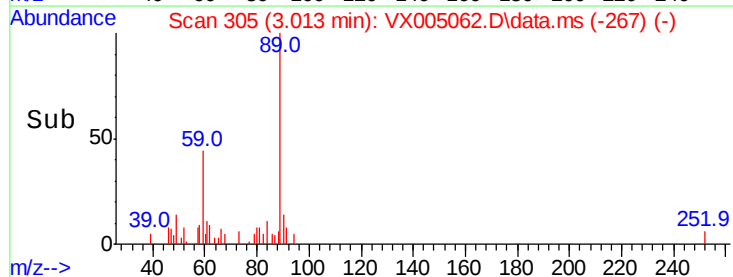
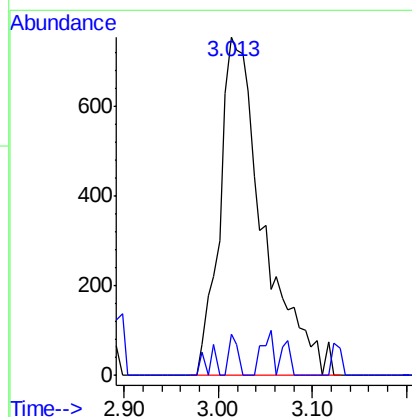
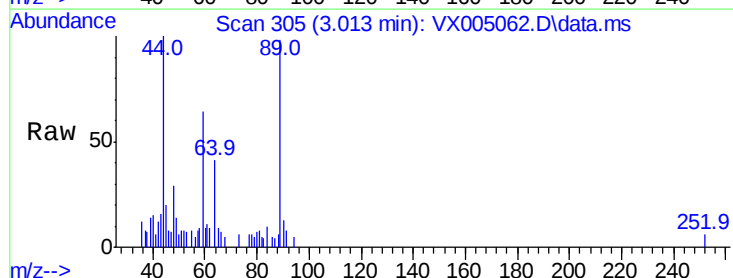
Acq: 05 Oct 2018 11:38

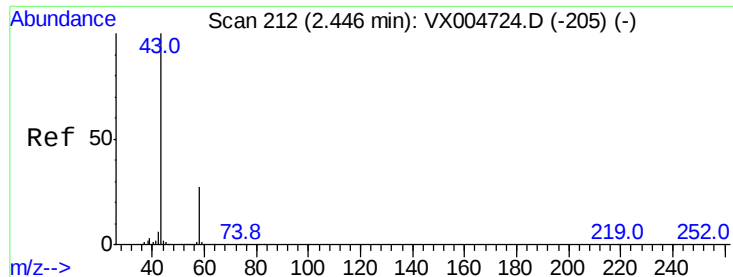
Tgt Ion: 59 Resp: 2425

Ion Ratio Lower Upper

59 100

57 2.4 8.6 12.8#





#16

Acetone

Concen: 14.78 ug/l

RT: 2.440 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

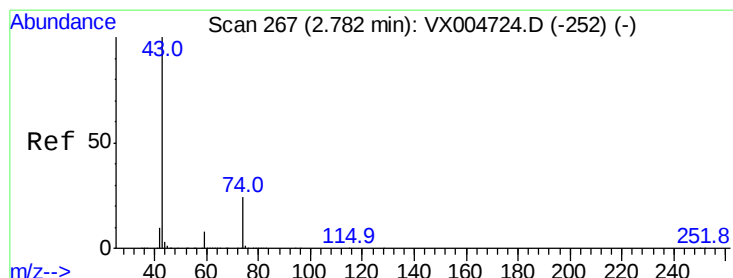
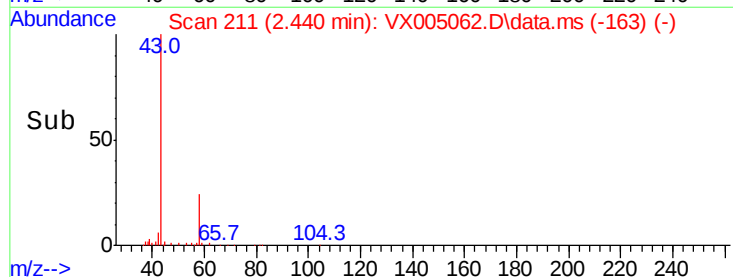
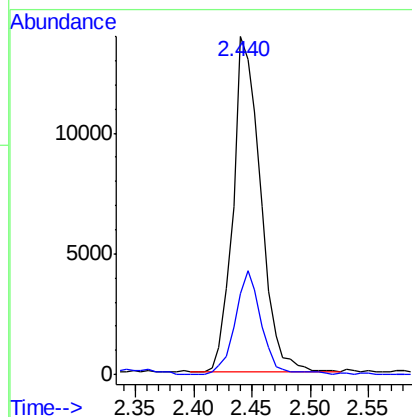
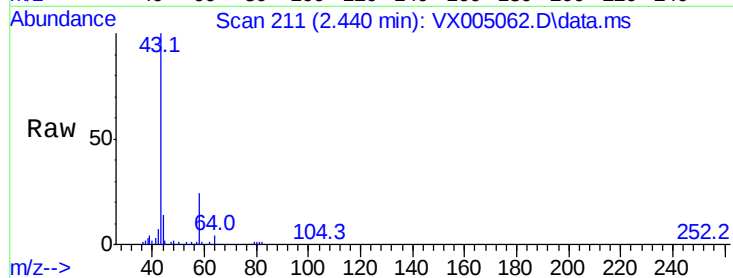
CL-01-100218-B

Tot Ion: 43 Resp: 23044

Ion Ratio Lower Upper

43 100

58 24.1 21.8 32.6



#18

Methyl Acetate

Concen: 1.58 ug/l

RT: 2.776 min Scan# 266

Delta R.T. -0.006 min

Lab File: VX005062.D

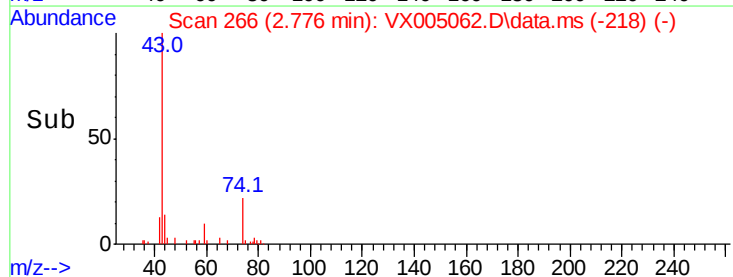
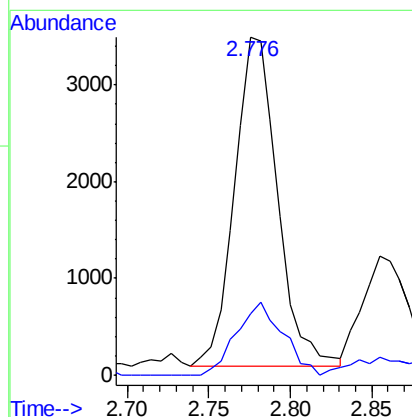
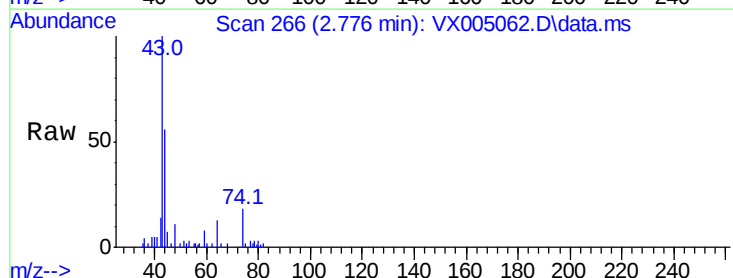
Acq: 05 Oct 2018 11:38

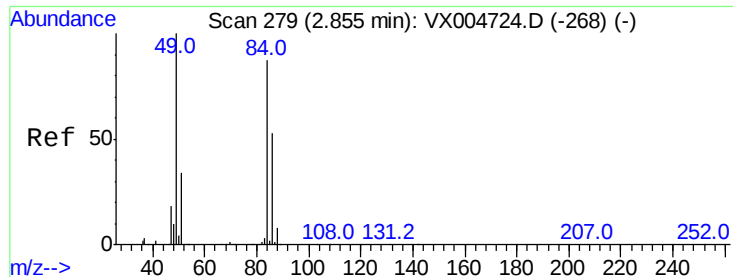
Tgt Ion: 43 Resp: 6237

Ion Ratio Lower Upper

43 100

74 24.1 17.8 26.8

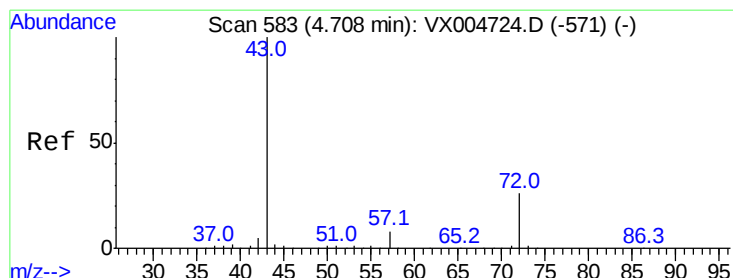
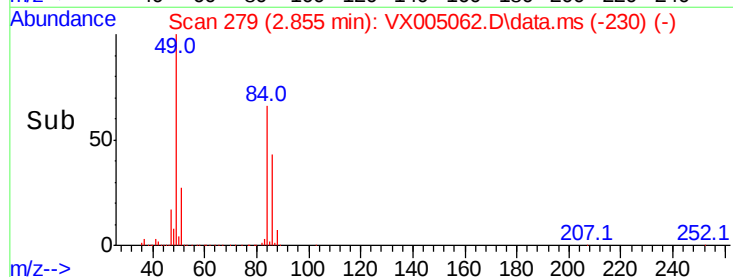
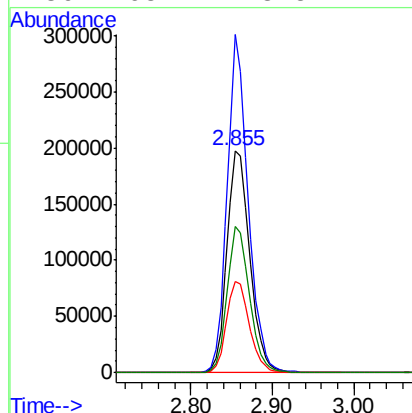
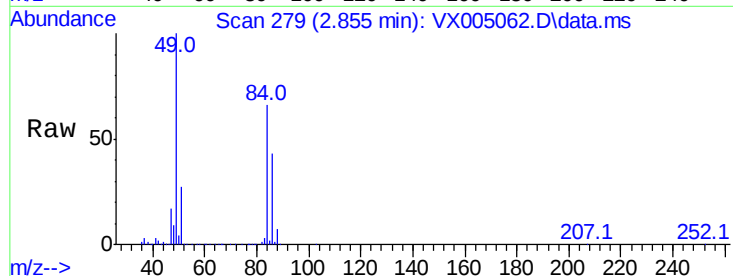




#20
Methvlene Chloride
Concen: 169.39 ug/l
RT: 2.855 min Scan# 27
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

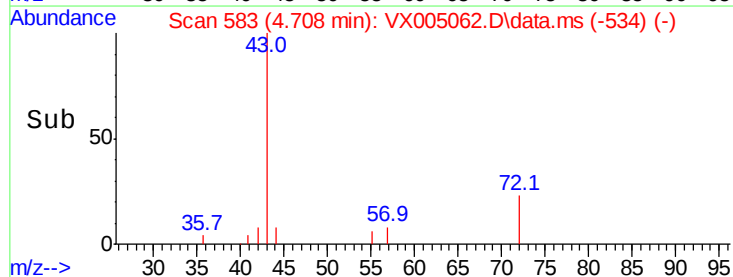
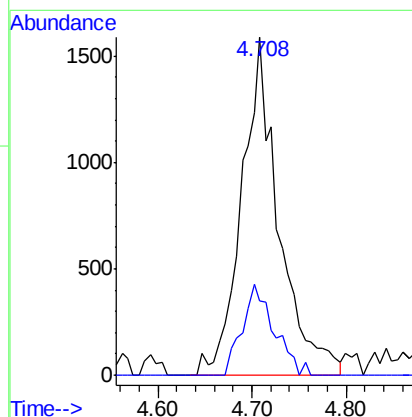
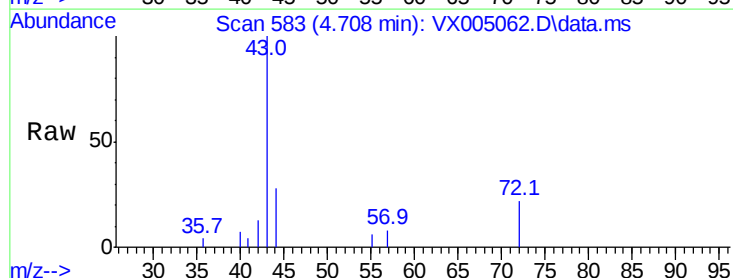
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

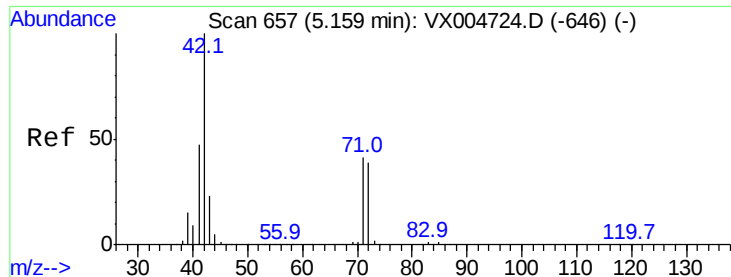
Tot Ion: 84 Resp: 379407
Ion Ratio Lower Upper
84 100
49 152.4 92.3 138.5#
51 41.2 31.8 47.6
86 65.7 48.5 72.7



#25
2-Butanone
Concen: 1.90 ug/l
RT: 4.708 min Scan# 583
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 43 Resp: 4373
Ion Ratio Lower Upper
43 100
72 21.9 20.8 31.2





#29

Tetrahydrofuran

Concen: 1.12 ug/l

RT: 5.153 min Scan# 65

Delta R.T. -0.006 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

CL-01-100218-B

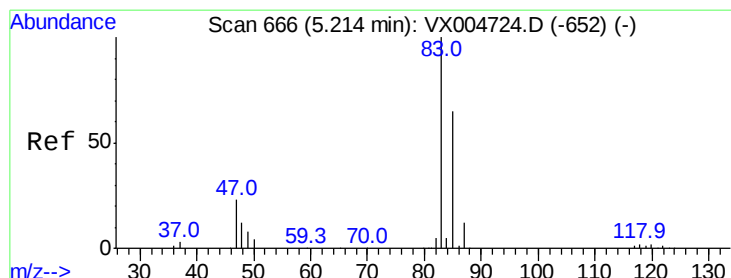
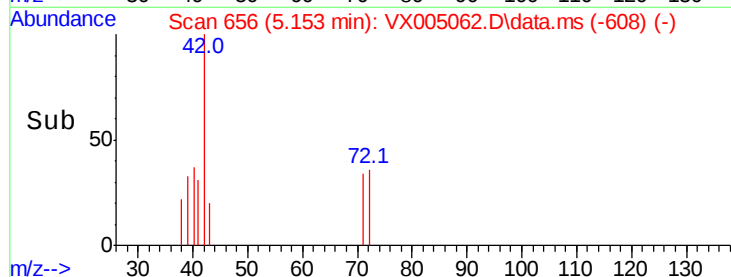
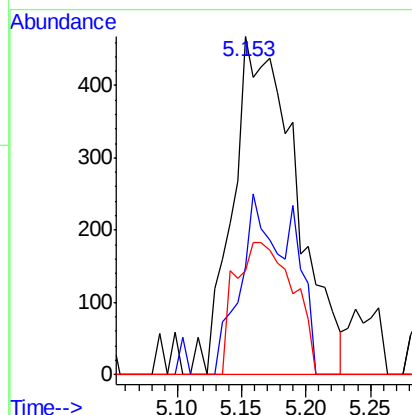
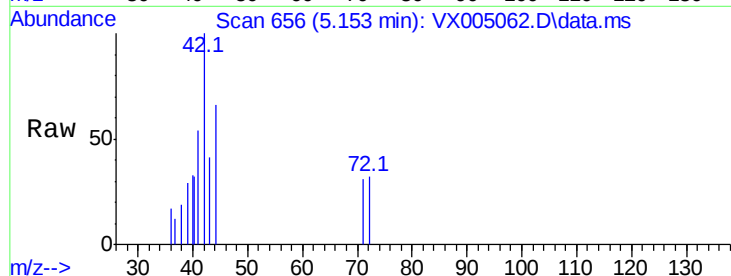
Tot Ion: 42 Resp: 1593

Ion Ratio Lower Upper

42 100

72 31.5 33.7 50.5#

71 35.9 32.2 48.4



#30

Chloroform

Concen: 0.80 ug/l

RT: 5.220 min Scan# 667

Delta R.T. 0.006 min

Lab File: VX005062.D

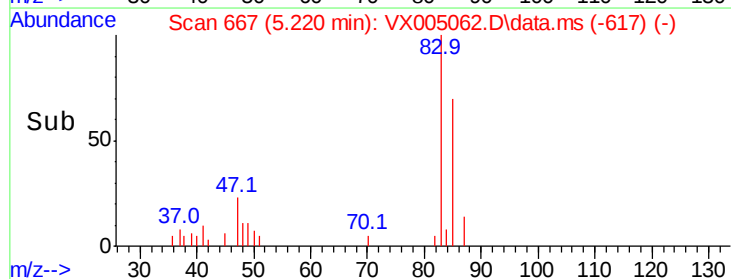
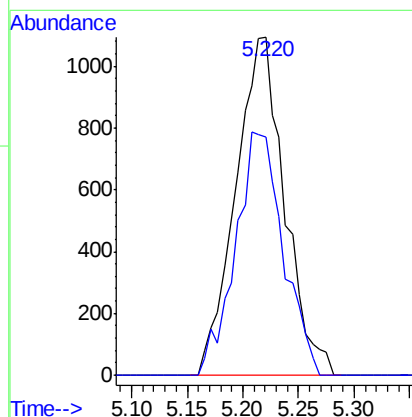
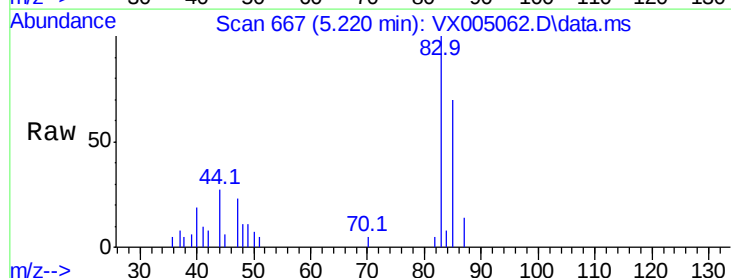
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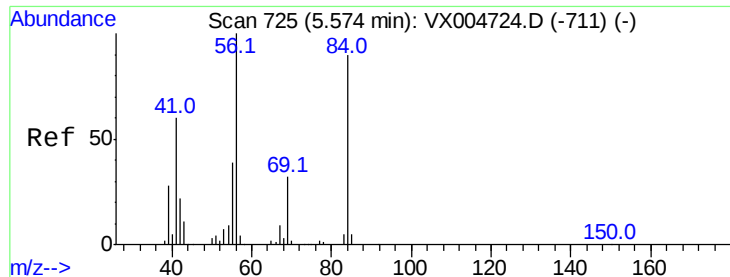
Tgt Ion: 83 Resp: 3341

Ion Ratio Lower Upper

83 100

85 70.5 52.4 78.6

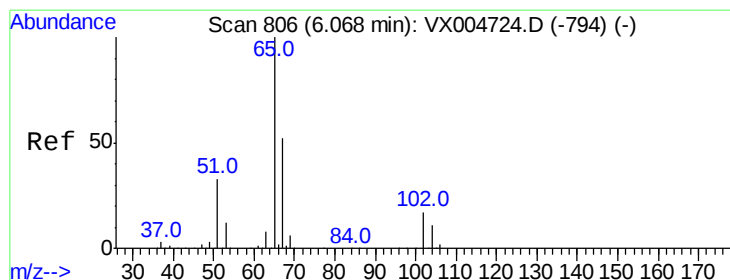
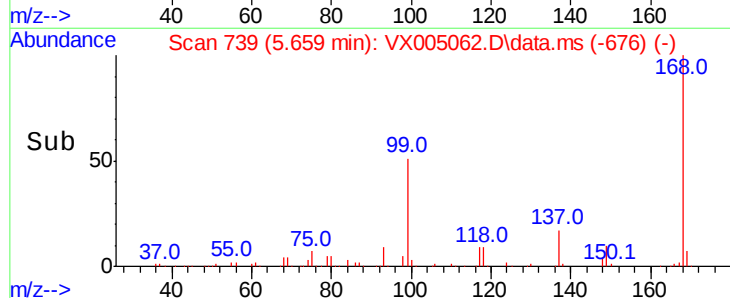
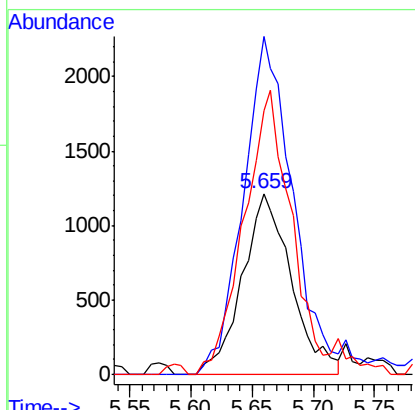
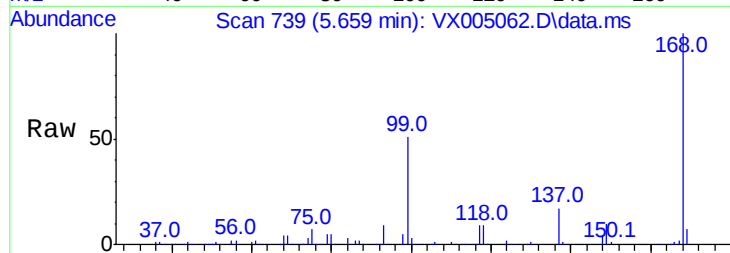




#31
Cvclohexane
Concen: 1.00 ug/l
RT: 5.659 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

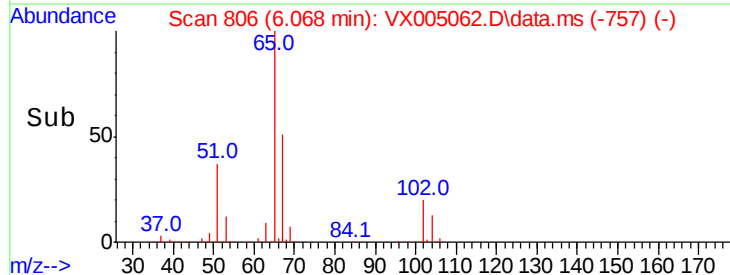
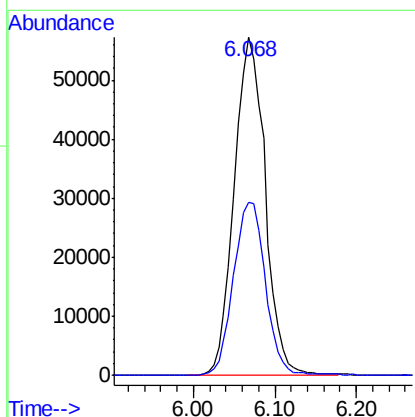
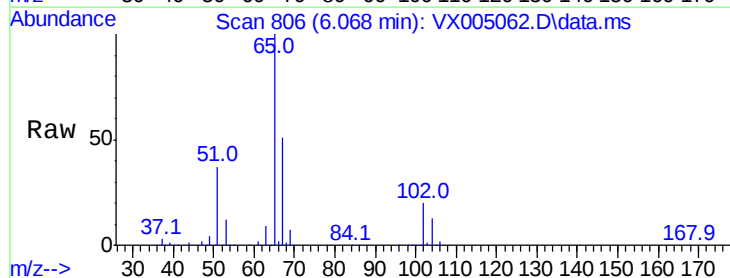
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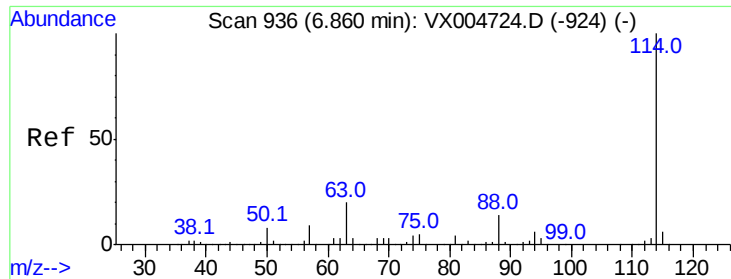
Tot Ion: 56 Resp: 3393
Ion Ratio Lower Upper
56 100
69 186.7 25.9 38.9#
84 146.0 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 56.46 ug/l
RT: 6.068 min Scan# 806
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 65 Resp: 150772
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

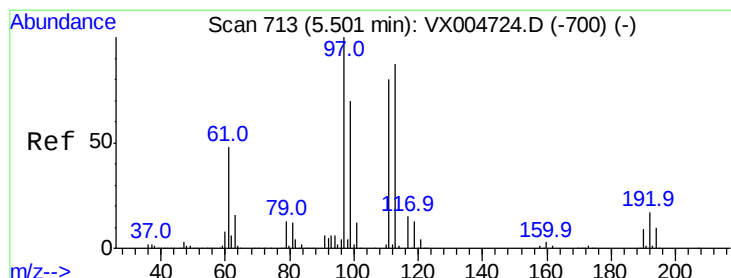
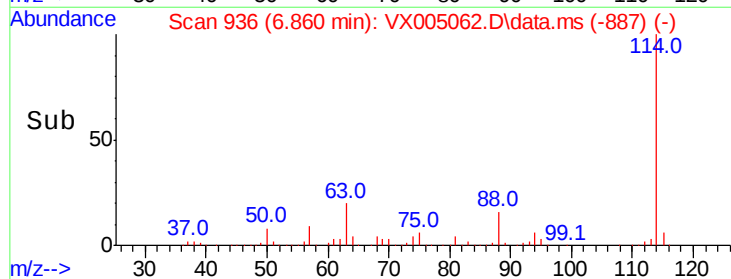
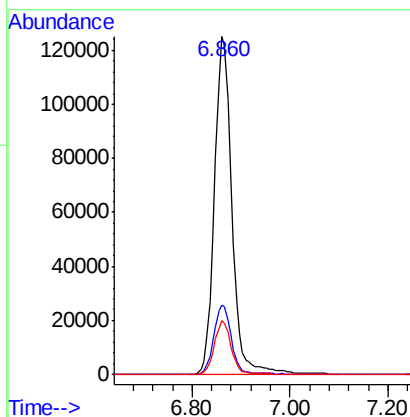
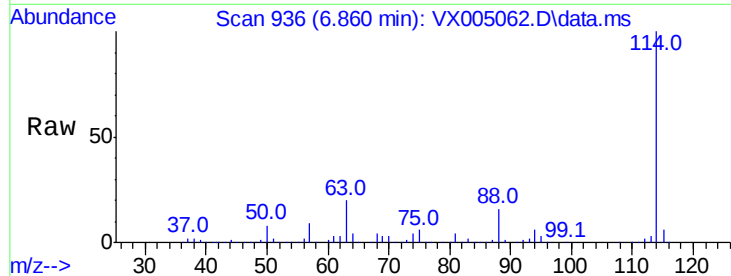




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.860 min Scan# 936
 Delta R.T. 0.000 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

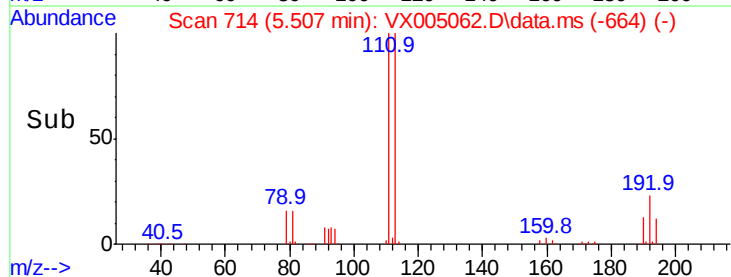
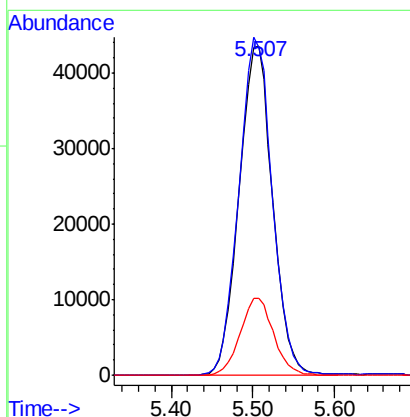
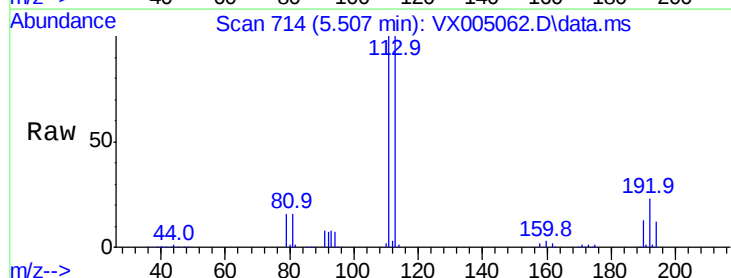
Instrument :
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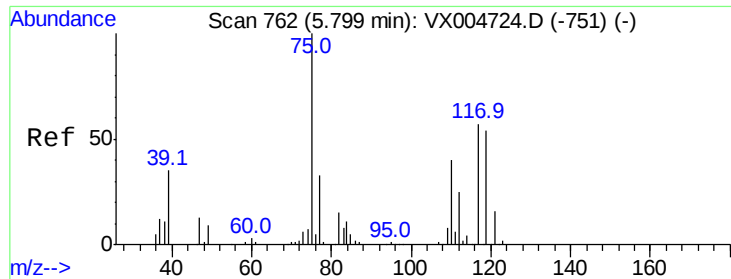
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.8
88	16.1	0.0	27.0



#35
 Dibromofluoromethane
 Concen: 47.11 ug/l
 RT: 5.507 min Scan# 714
 Delta R.T. 0.006 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	77.0	115.4
192	23.4	17.0	25.6

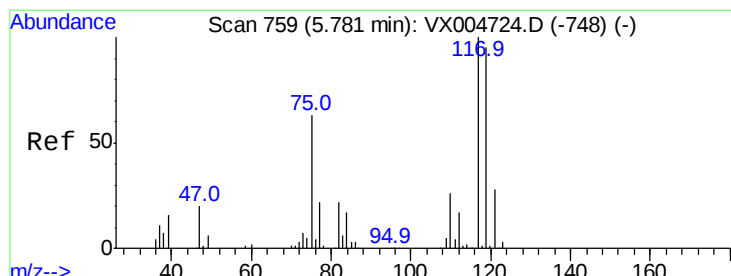
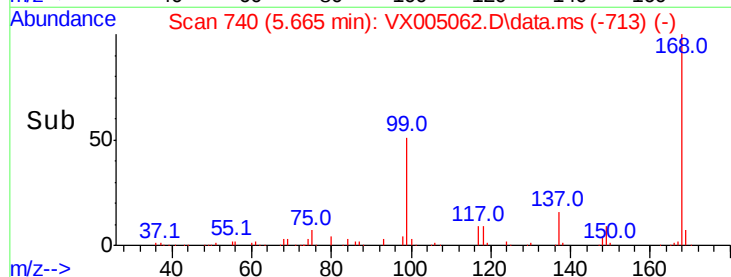
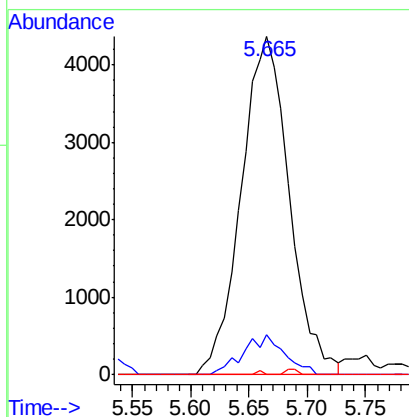
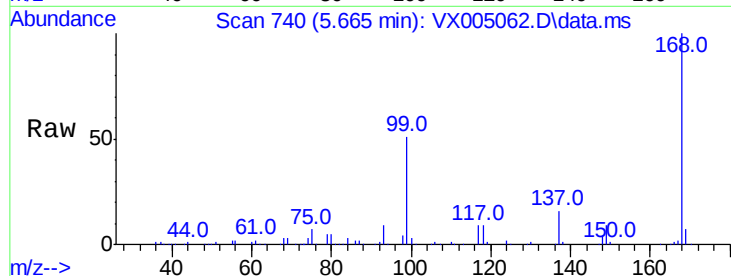




#36
 1,1-Dichloropropene
 Concen: 3.49 ug/l
 RT: 5.665 min Scan# 740
 Delta R.T. -0.134 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

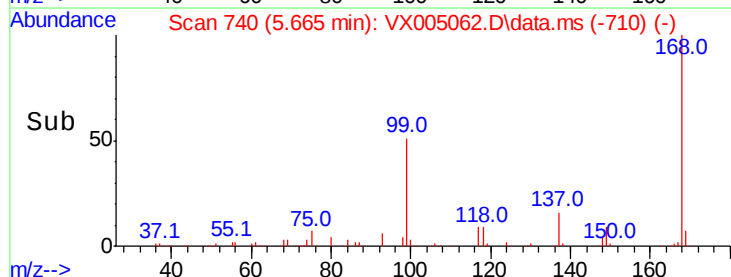
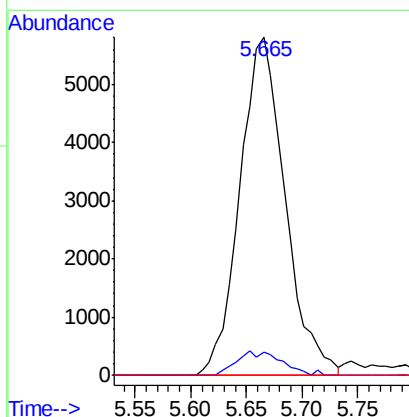
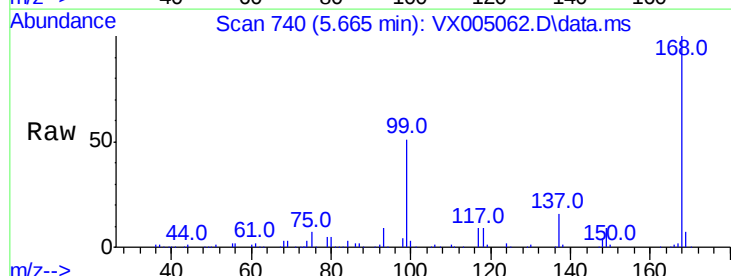
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-100218-B

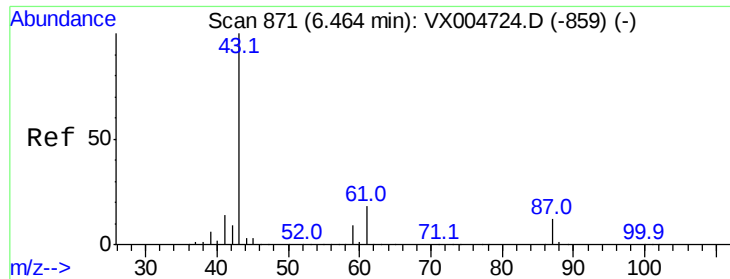
Tot Ion: 75 Resp: 12564
 Ion Ratio Lower Upper
 75 100
 110 10.1 20.0 59.9#
 77 0.2 27.1 40.7#



#38
 Carbon Tetrachloride
 Concen: 4.34 ug/l
 RT: 5.665 min Scan# 740
 Delta R.T. -0.116 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

Tgt Ion: 117 Resp: 16435
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.2 112.8#
 121 0.0 22.5 33.7#





#43

Isopropyl Acetate

Concen: 23.92 ug/l

RT: 6.464 min Scan# 871

Delta R.T. 0.000 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

CL-01-100218-B

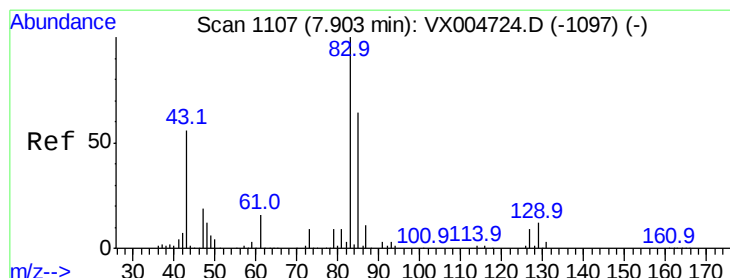
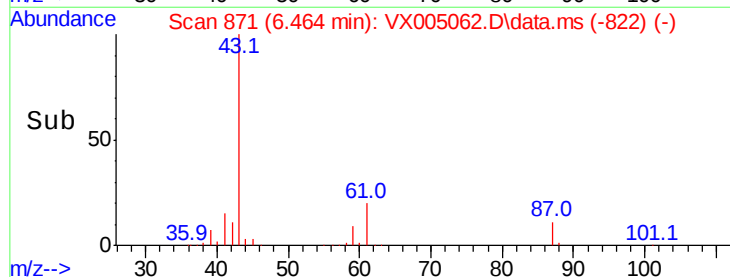
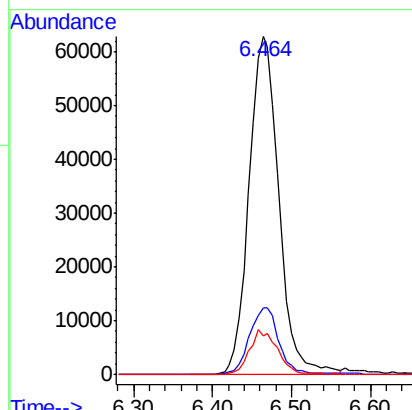
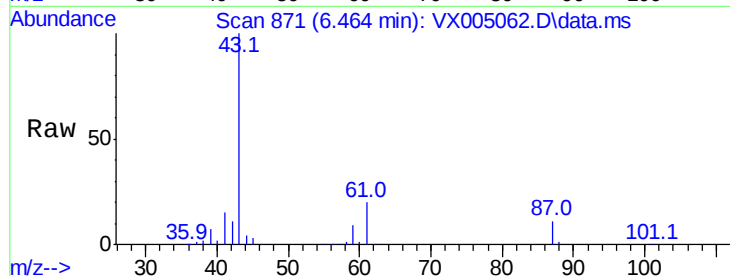
Tot Ion: 43 Resp: 165117

Ion Ratio Lower Upper

43 100

61 19.6 14.2 21.4

87 12.5 9.3 13.9



#47

Bromodichloromethane

Concen: 0.26 ug/l

RT: 7.909 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

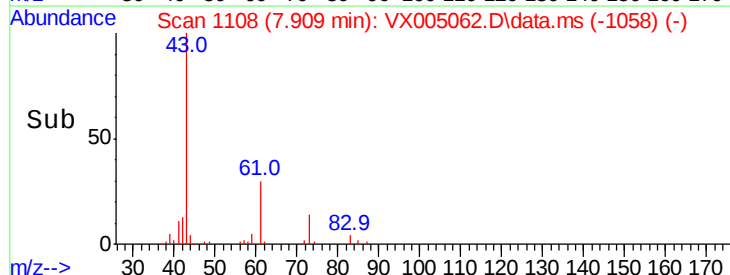
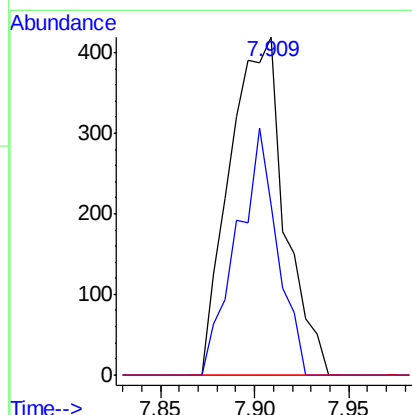
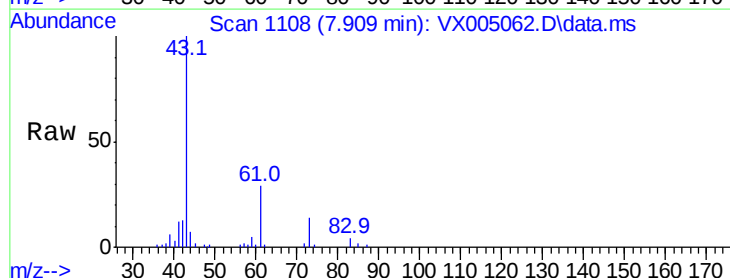
Tgt Ion: 83 Resp: 845

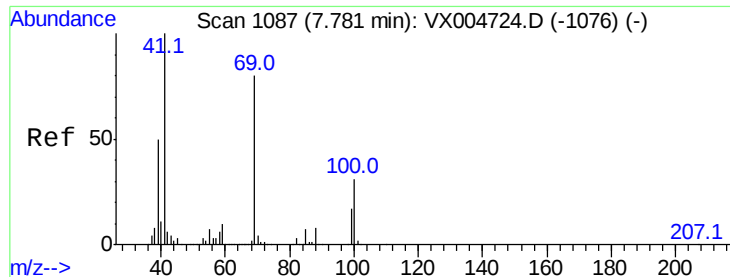
Ion Ratio Lower Upper

83 100

85 50.4 51.2 76.8#

127 0.0 7.0 10.6#

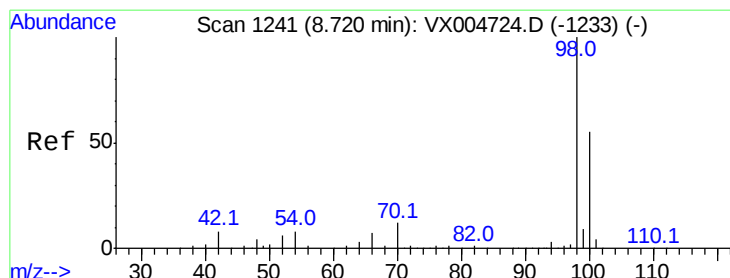
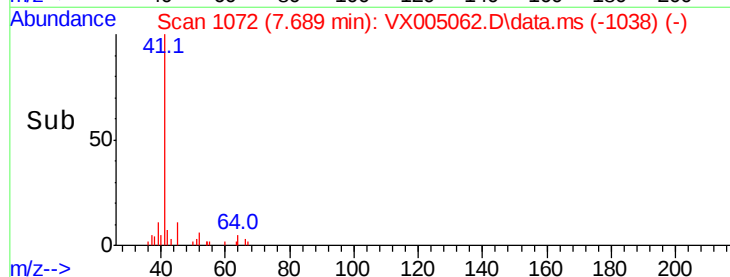
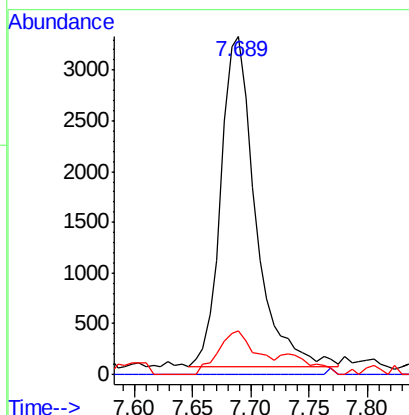
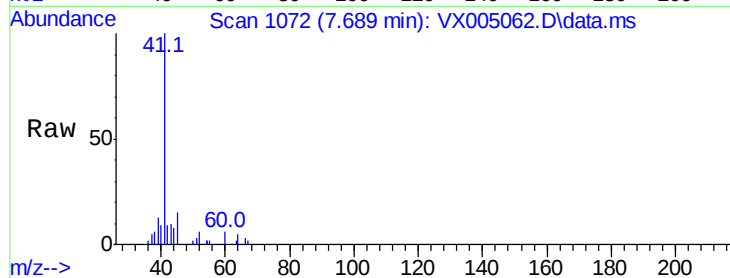




#48
Methyl methacrylate
Concen: 2.16 ug/l
RT: 7.689 min Scan# 1072
Delta R.T. -0.091 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

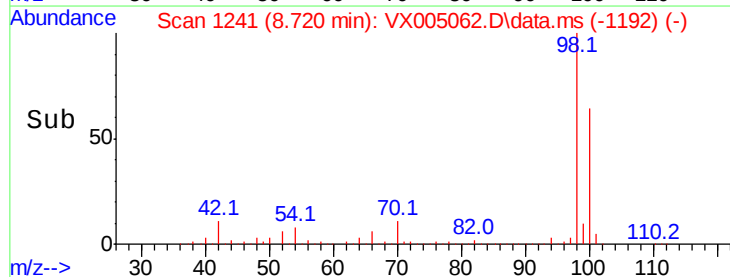
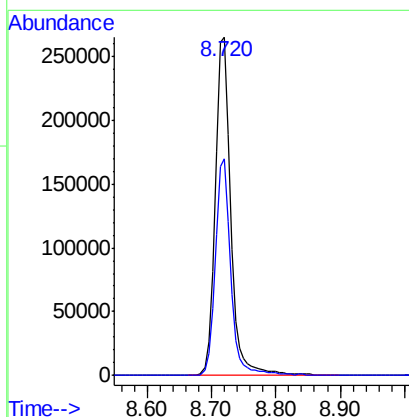
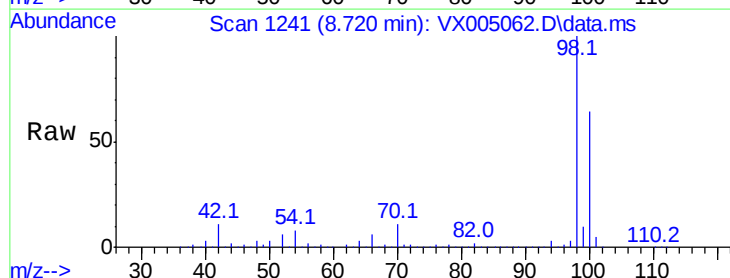
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

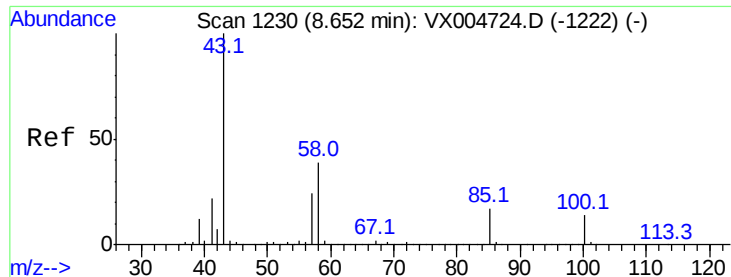
Tot Ion: 41 Resp: 6764
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 14.4 40.7 61.1#



#50
Toluene-d8
Concen: 51.62 ug/l
RT: 8.720 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 98 Resp: 453120
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

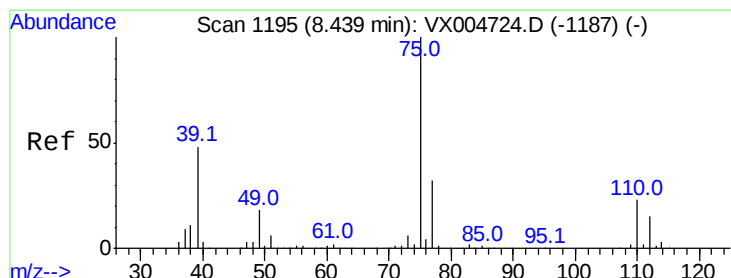
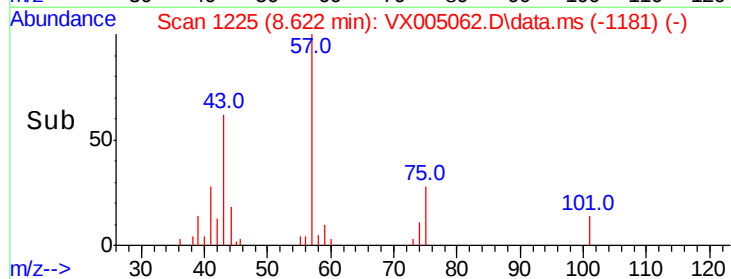
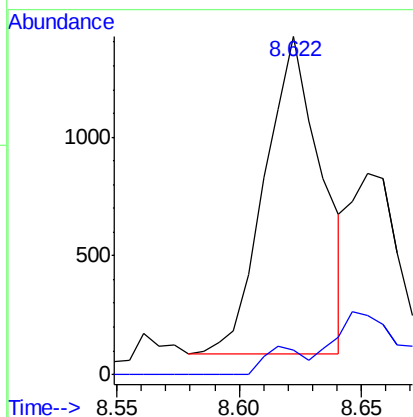
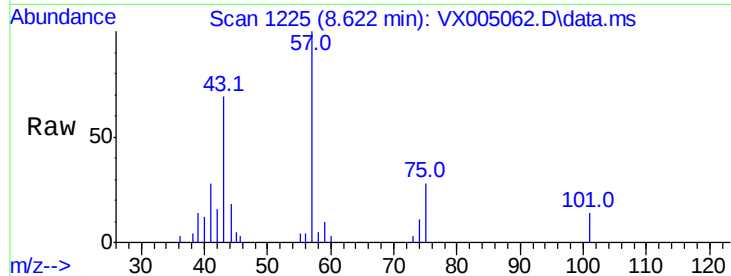




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.622 min Scan# 1225
Delta R.T. -0.030 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

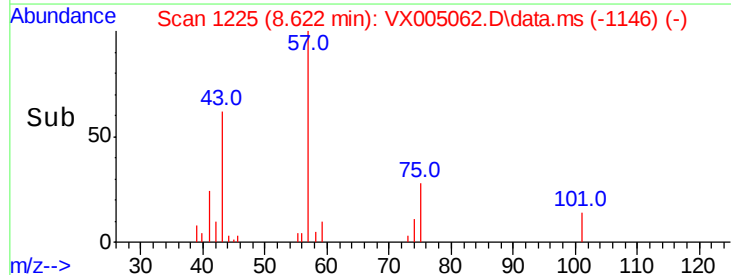
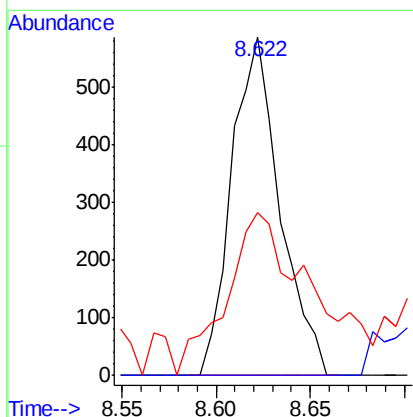
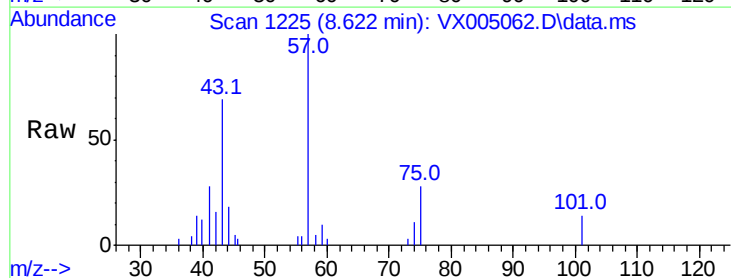
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

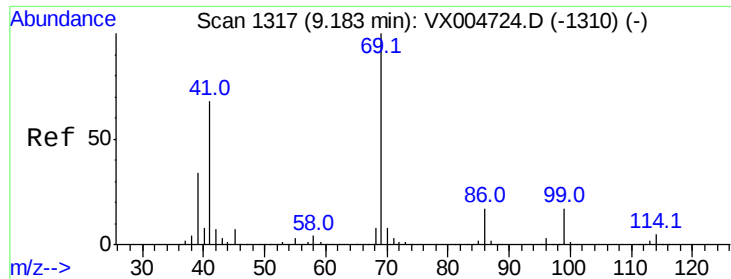
Tot Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
58 6.0 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 0.27 ug/l
RT: 8.622 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 75 Resp: 1040
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 37.5 38.3 57.5#





#56

Ethyl methacrylate

Concen: 2.88 ug/l

RT: 9.079 min Scan# 1317

Delta R.T. -0.104 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

CL-01-100218-B

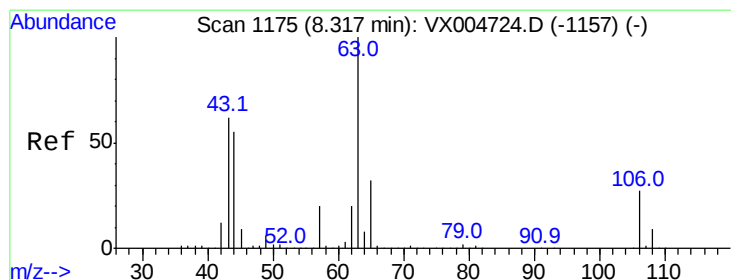
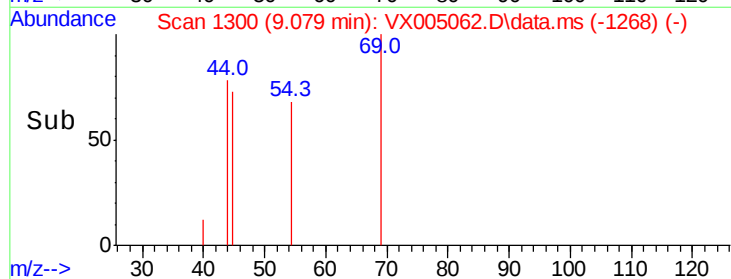
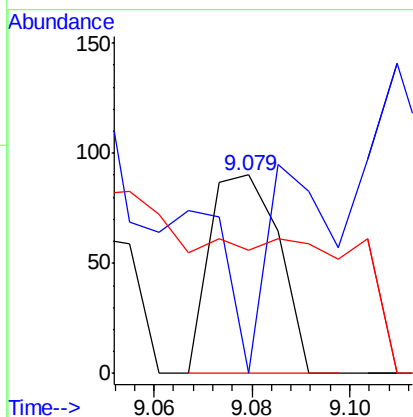
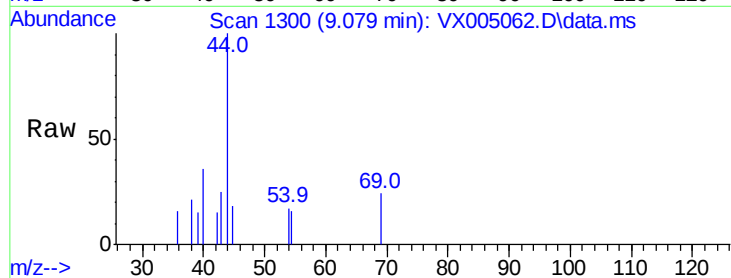
Tot Ion: 69 Resp: 89

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

39 0.0 28.4 42.6#



#58

2-Chloroethyl Vinyl ether

Concen: 14.25 ug/l

RT: 8.464 min Scan# 1199

Delta R.T. 0.146 min

Lab File: VX005062.D

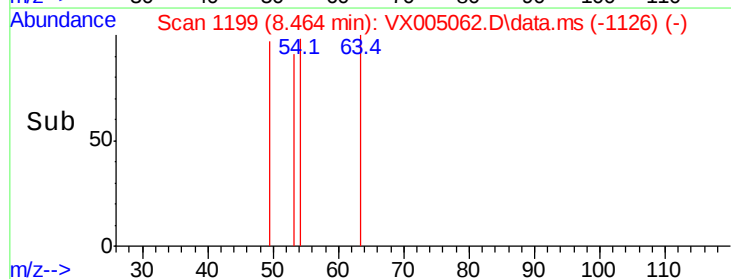
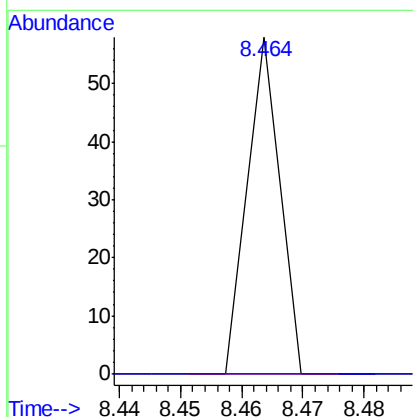
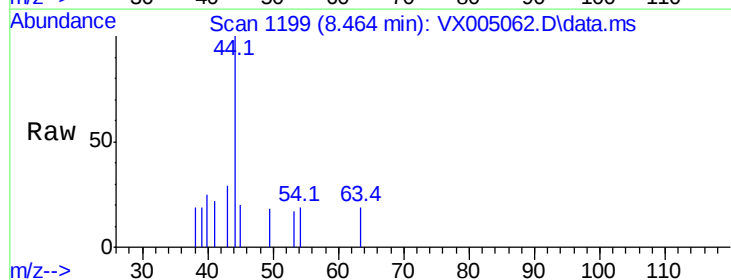
Acq: 05 Oct 2018 11:38

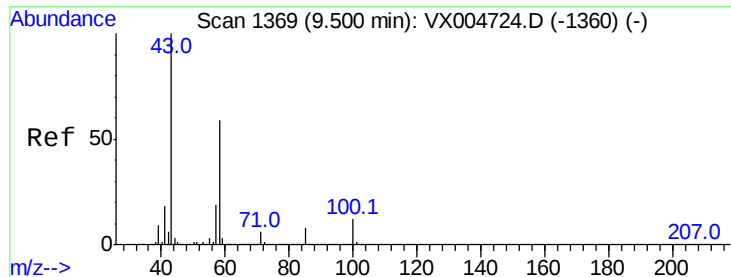
Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#

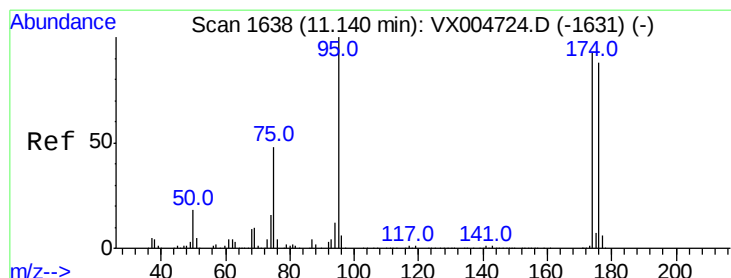
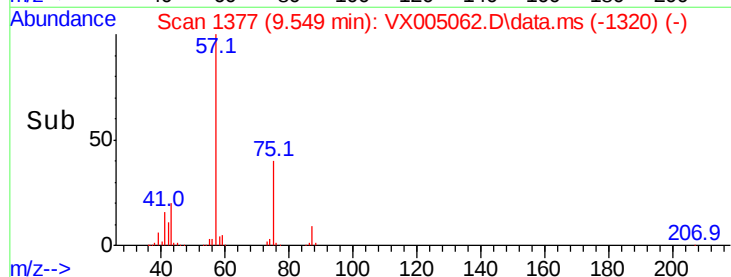
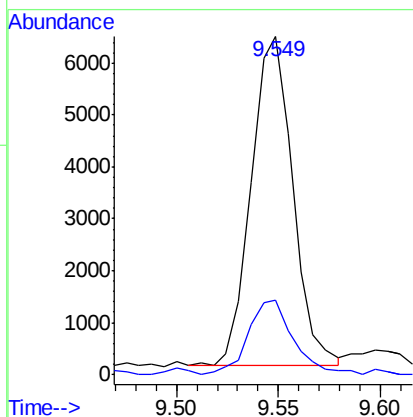
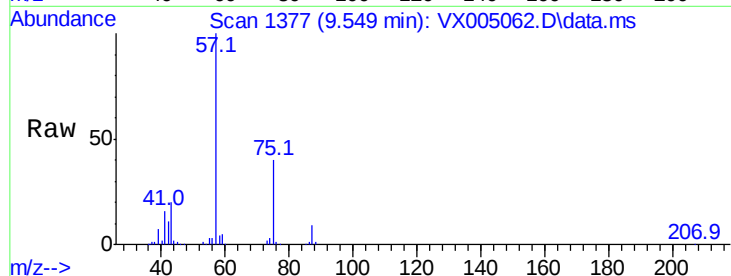




#59
2-Hexanone
Concen: 2.47 ug/l
RT: 9.549 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

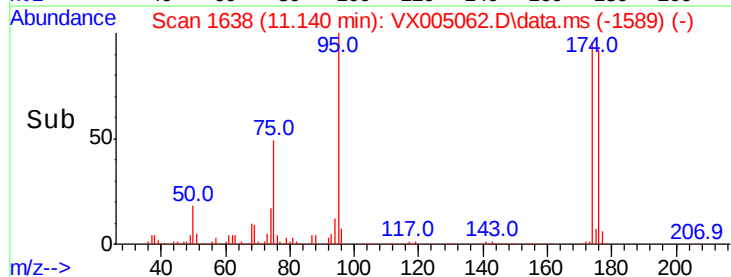
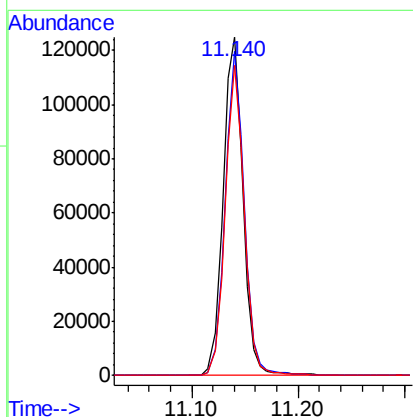
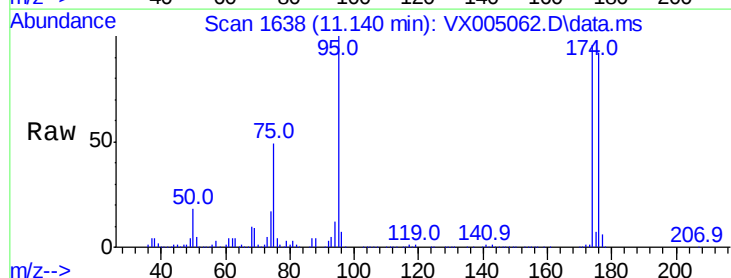
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

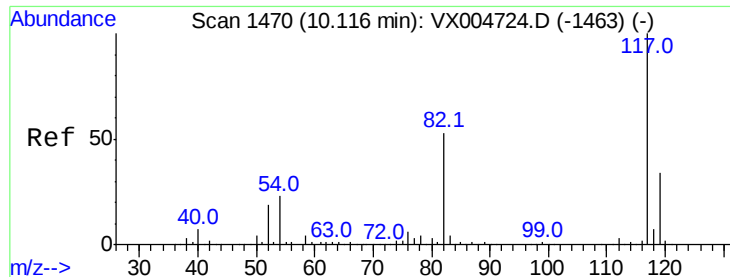
Tot Ion: 43 Resp: 8948
Ion Ratio Lower Upper
43 100
58 24.7 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 51.32 ug/l
RT: 11.140 min Scan# 1638
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion: 95 Resp: 162304
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.0
176 88.5 0.0 180.2

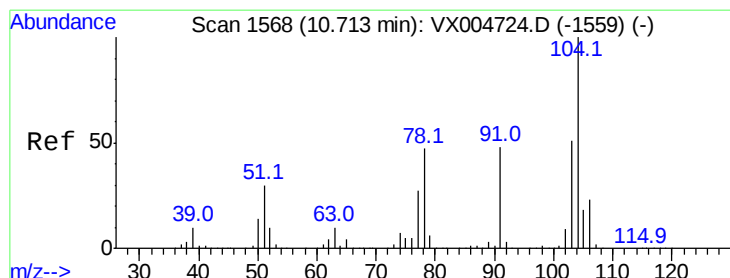
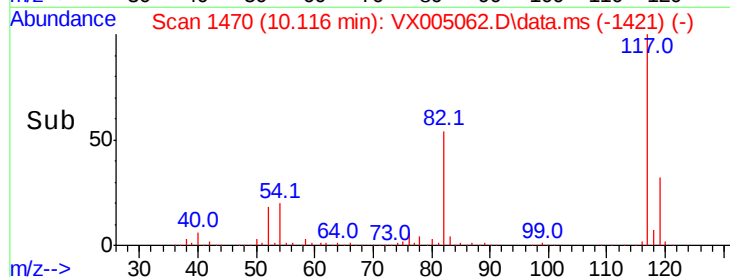
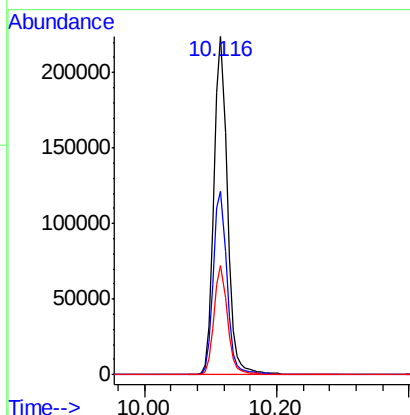
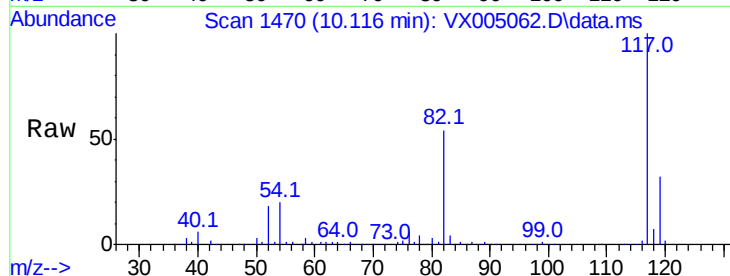




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.116 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

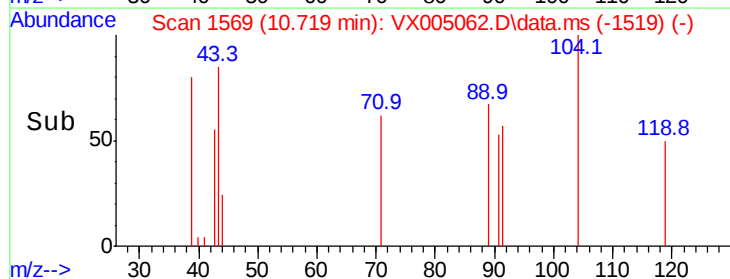
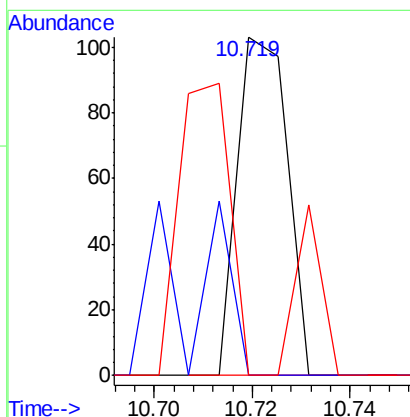
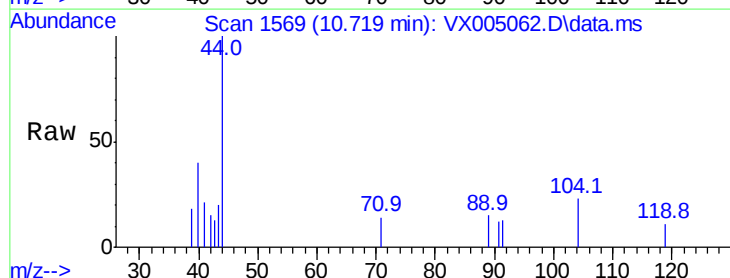
Instrument :
MSVOA_X
ClientSampleId :
CL-01-100218-B

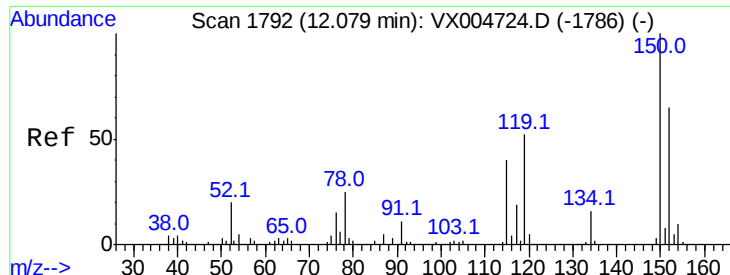
Tot Ion:117 Resp: 312261
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.4
119 32.1 27.4 41.0



#70
Styrene
Concen: 2.15 ug/l
RT: 10.719 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX005062.D
Acq: 05 Oct 2018 11:38

Tgt Ion:104 Resp: 73
Ion Ratio Lower Upper
104 100
78 53.4 40.0 60.0
103 87.7 44.3 66.5#

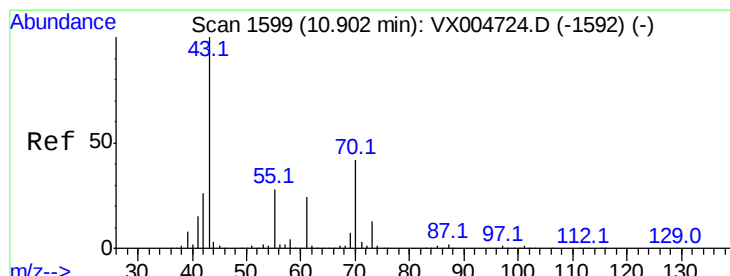
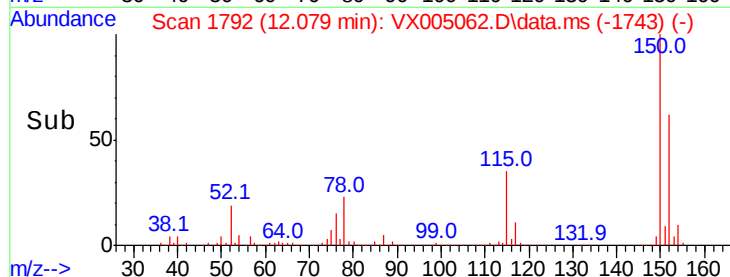
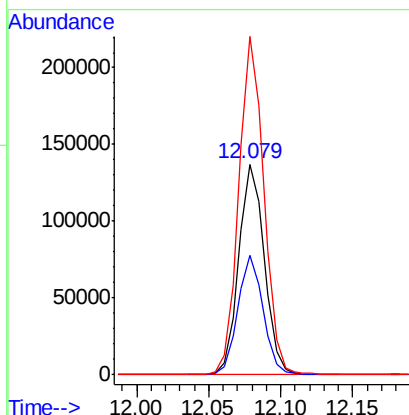
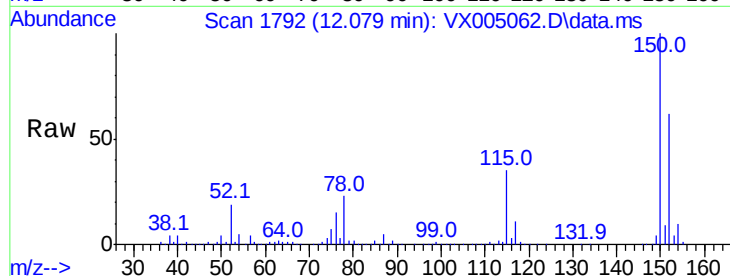




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.079 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

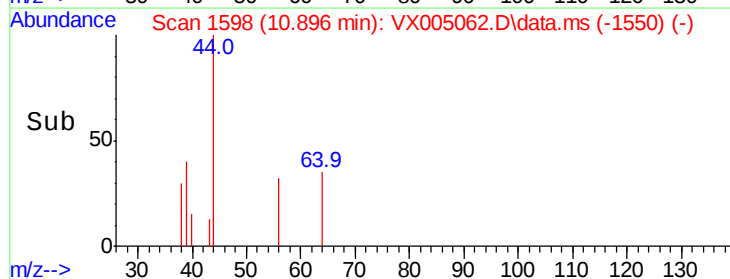
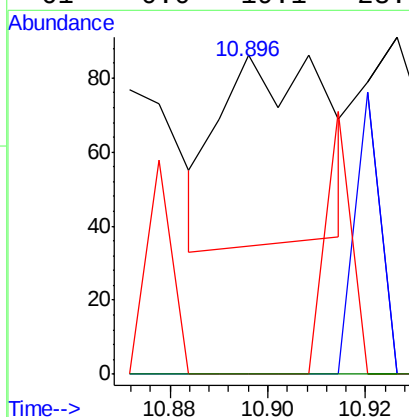
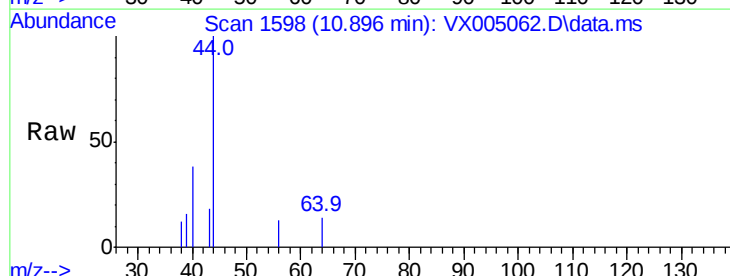
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-100218-B

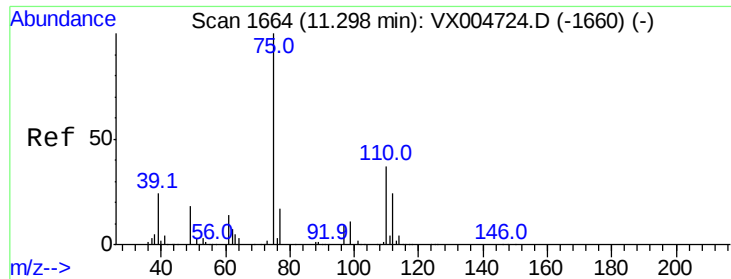
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	40.2	120.6
150	158.3	0.0	351.0



#74
 N-ethyl acetate
 Concen: 1.76 ug/l
 RT: 10.896 min Scan# 1598
 Delta R.T. -0.006 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.6	48.8#
55	27.6	21.6	32.4
61	0.0	19.1	28.7#

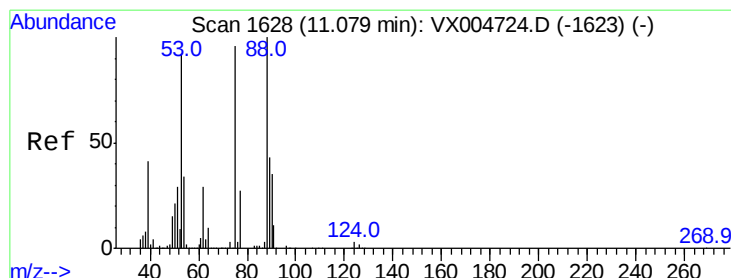
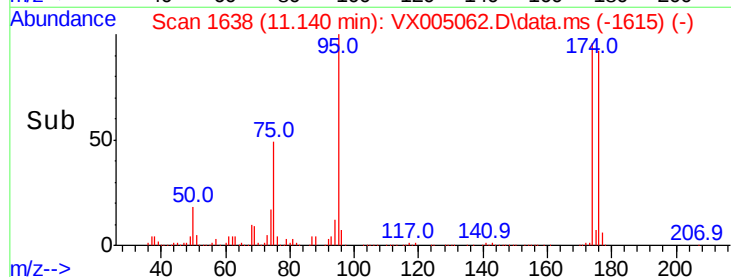
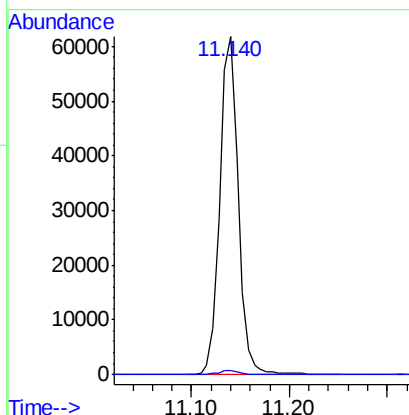
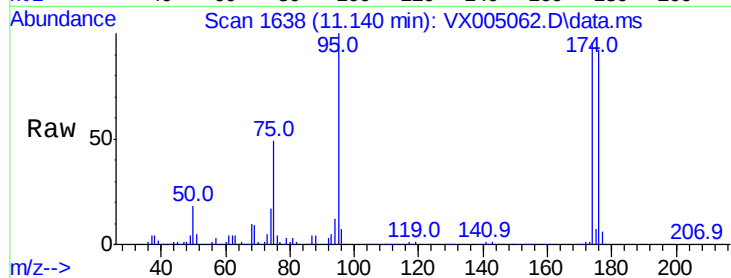




#76
 1,2,3-Trichloropropane
 Concen: 21.34 ug/l
 RT: 11.140 min Scan# 1664
 Delta R.T. -0.158 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

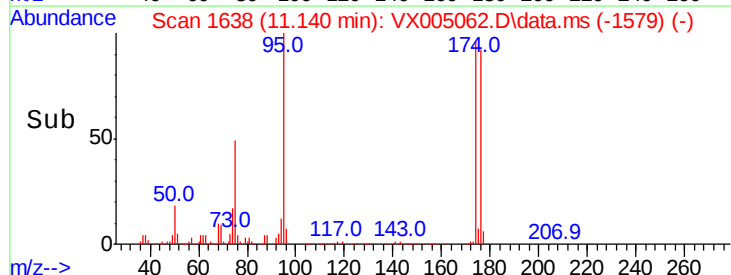
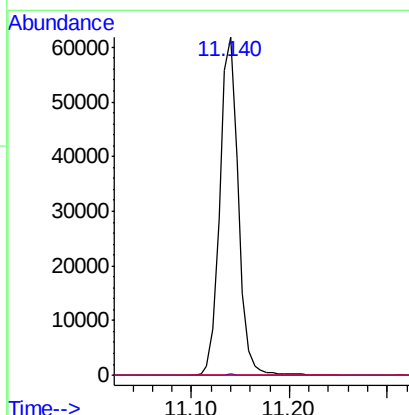
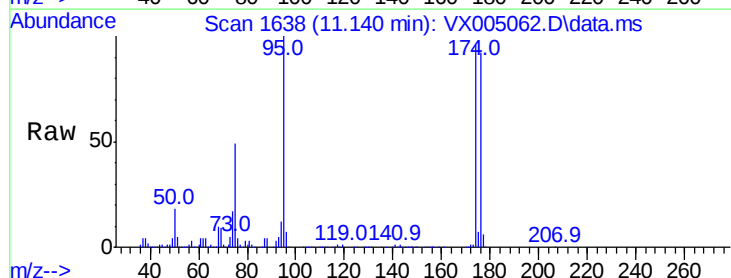
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-100218-B

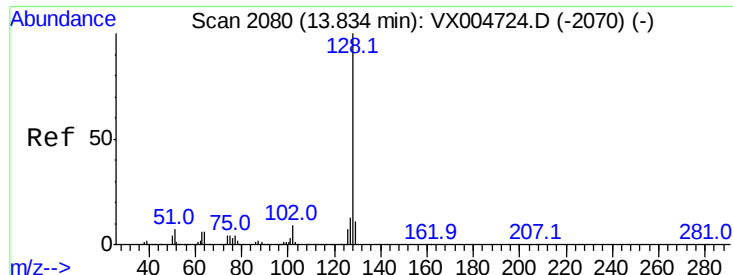
Tot Ion: 75 Resp: 80760
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.87 ug/l
 RT: 11.140 min Scan# 1638
 Delta R.T. 0.061 min
 Lab File: VX005062.D
 Acq: 05 Oct 2018 11:38

Tgt Ion: 75 Resp: 80760
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 1.47 ug/l

RT: 13.835 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX005062.D

Acq: 05 Oct 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

CL-01-100218-B

Tot Ion:128 Resp: 10686

Ion Ratio Lower Upper

128 100

127 14.6 10.4 15.6

129 10.8 8.7 13.1

