

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025409.D
 Acq On : 01 Dec 2021 13:38
 Operator : JC/MD
 Sample : M4866-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16951

Quant Time: Dec 02 08:27:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

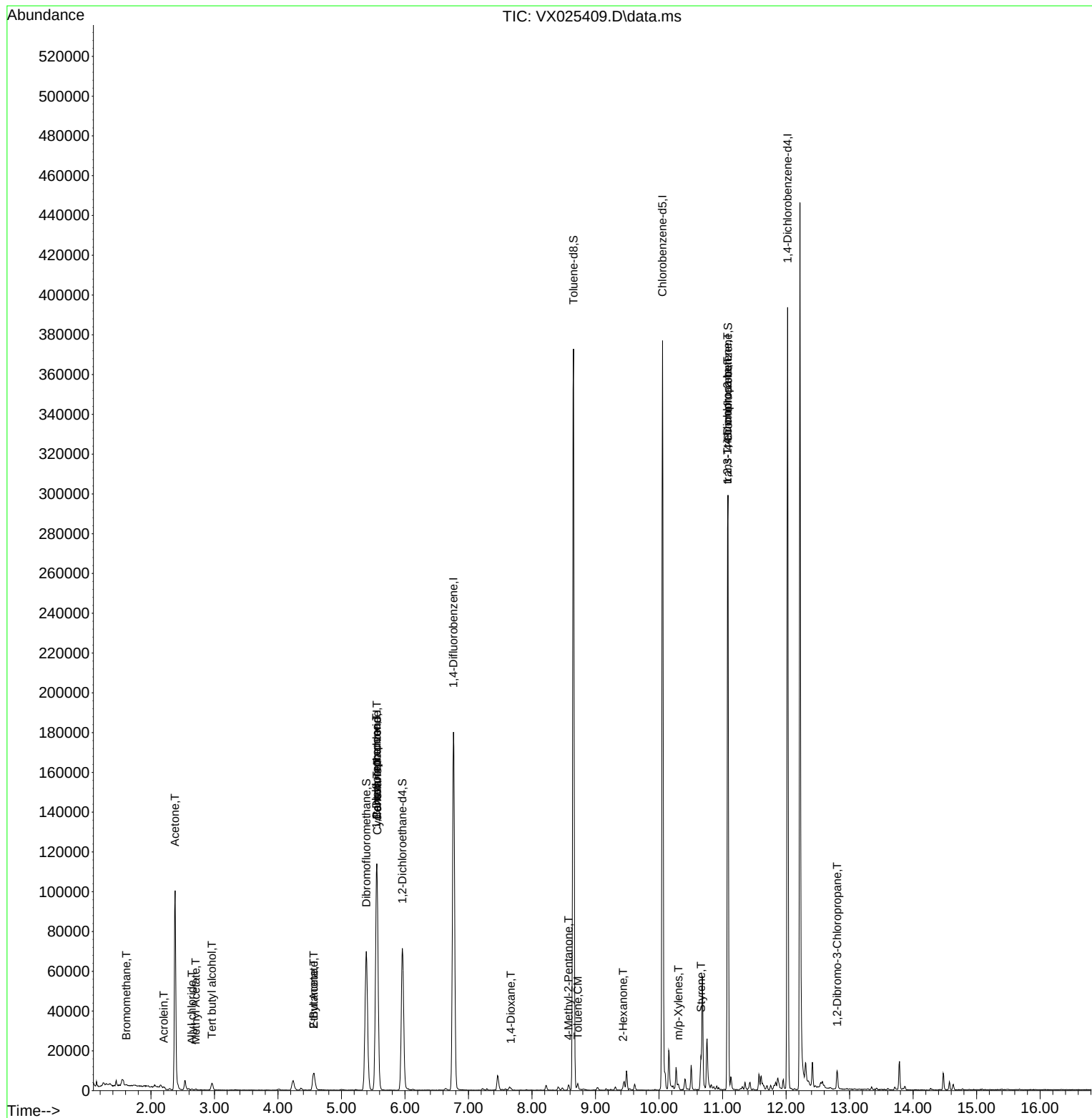
Internal Standards						
1) Pentafluorobenzene	5.556	168	116138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66549	54.362	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.720%
35) Dibromofluoromethane	5.391	113	59777	49.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.620%
50) Toluene-d8	8.653	98	223589	49.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.100%
62) 4-Bromofluorobenzene	11.085	95	79238	46.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	173	0.294	ug/l	99
11) Tert butyl alcohol	2.959	59	4298	5.447	ug/l	96
13) Acrolein	2.203	56	72	1.284	ug/l #	1
14) Allyl chloride	2.642	41	506	0.260	ug/l #	40
16) Acetone	2.380	43	101765	149.605	ug/l	95
18) Methyl Acetate	2.703	43	716	0.329	ug/l #	79
25) 2-Butanone	4.562	43	16580	16.859	ug/l	99
31) Cyclohexane	5.562	56	2089	1.104	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	7964	4.667	ug/l #	49
37) Ethyl Acetate	4.562	43	16580	8.540	ug/l #	68
38) Carbon Tetrachloride	5.556	117	11073	5.892	ug/l #	16
49) 1,4-Dioxane	7.665	88	495	15.458	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	1708	0.843	ug/l	94
52) Toluene	8.720	92	881	0.261	ug/l	87
59) 2-Hexanone	9.433	43	979	0.613	ug/l	94
68) m/p-Xylenes	10.305	106	733	0.291	ug/l	98
70) Styrene	10.659	104	6490	1.595	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	38701	23.181	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38701	58.397	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.805	75	124	0.316	ug/l #	1

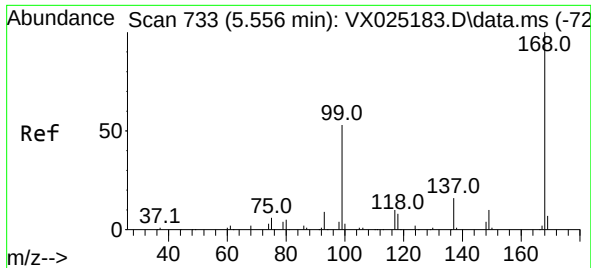
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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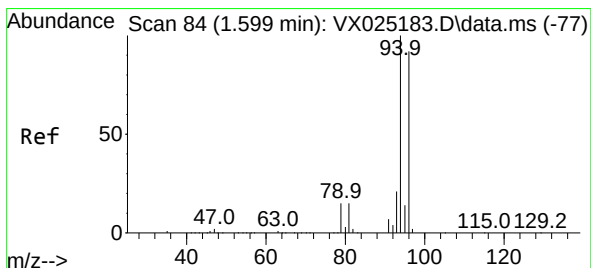
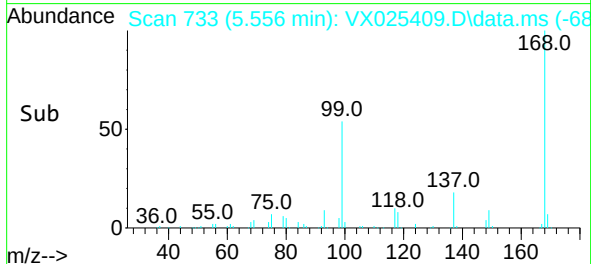
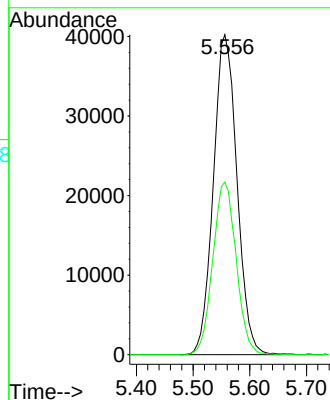
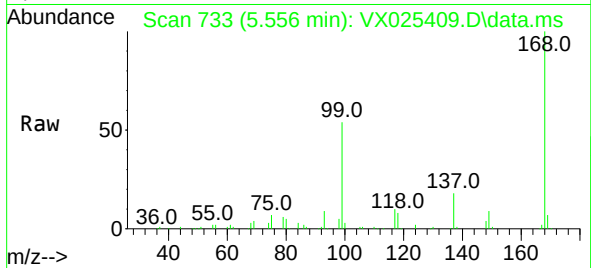




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

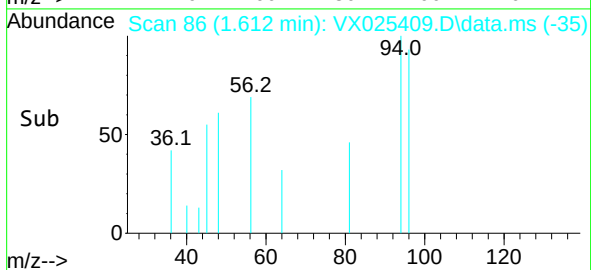
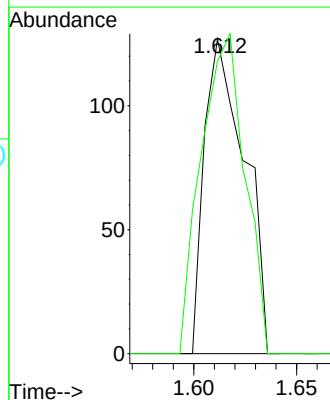
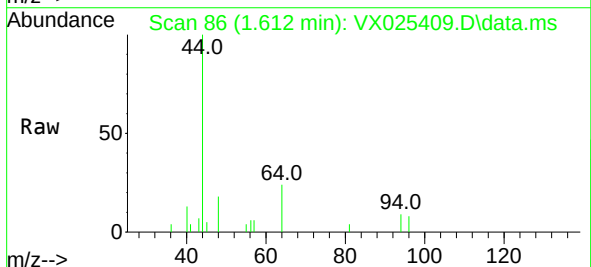
Instrument :
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16951

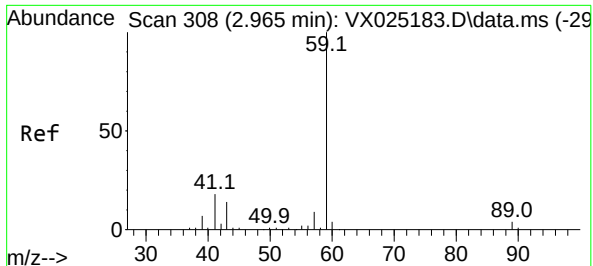
Tgt Ion:168 Resp: 116138
Ion Ratio Lower Upper
168 100
99 53.9 46.4 69.6



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 92.9 74.8 112.2





#11

Tert butyl alcohol

Concen: 5.447 ug/l

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX025409.D

Acq: 01 Dec 2021 13:38

Instrument :

MSVOA_X

ClientSampleId :

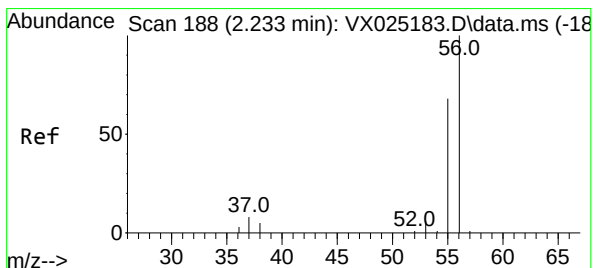
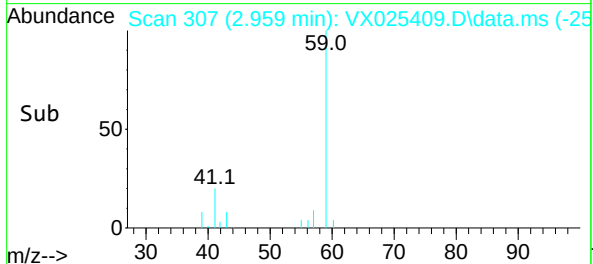
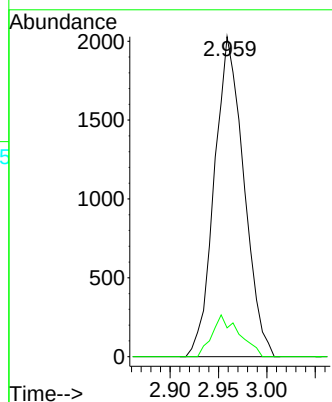
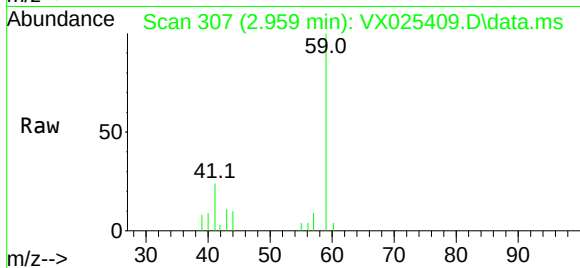
16951

Tgt Ion: 59 Resp: 4298

Ion Ratio Lower Upper

59 100

57 12.0 8.5 12.7



#13

Acrolein

Concen: 1.284 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.030 min

Lab File: VX025409.D

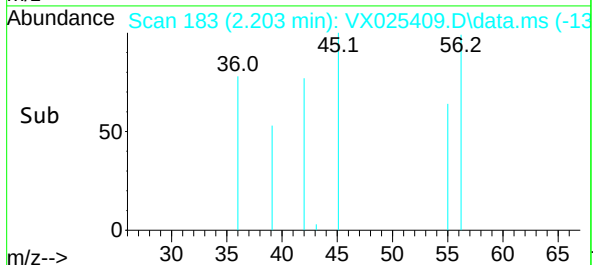
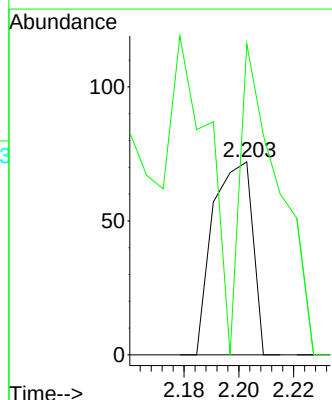
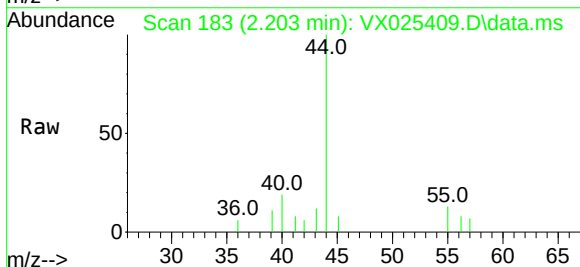
Acq: 01 Dec 2021 13:38

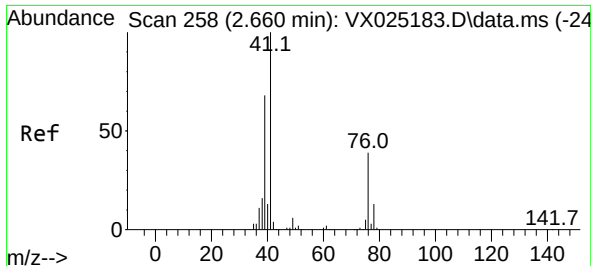
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 156.9 58.6 87.8#

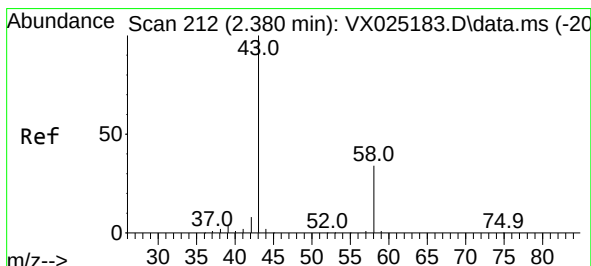
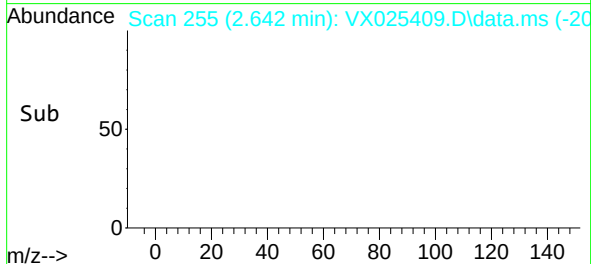
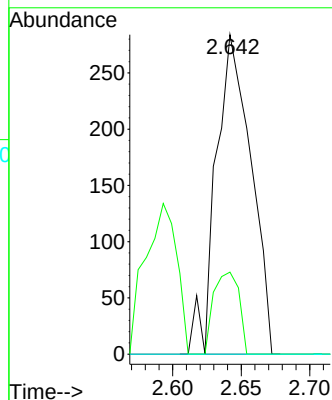
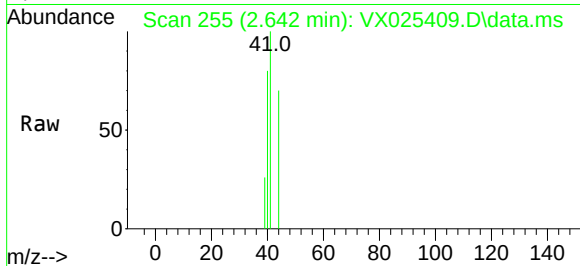




#14
 Allyl chloride
 Concen: 0.260 ug/l
 RT: 2.642 min Scan# 215
 Delta R.T. -0.018 min
 Lab File: VX025409.D
 Acq: 01 Dec 2021 13:38

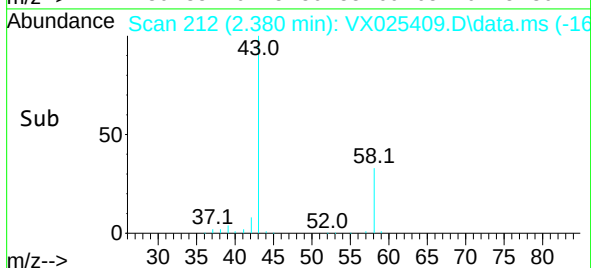
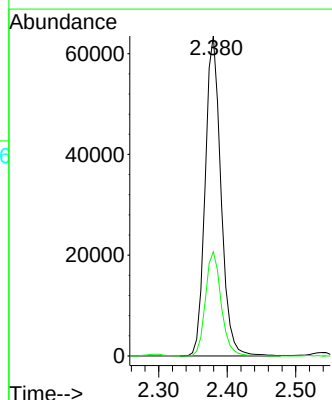
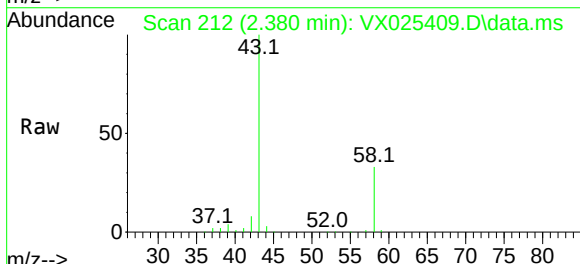
Instrument :
 MSVOA_X
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 16951

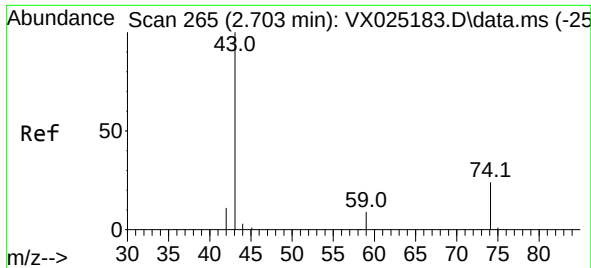
Tgt Ion: 41 Resp: 506
 Ion Ratio Lower Upper
 41 100
 39 18.6 54.6 82.0#
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 149.605 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025409.D
 Acq: 01 Dec 2021 13:38

Tgt Ion: 43 Resp: 101765
 Ion Ratio Lower Upper
 43 100
 58 32.6 24.0 36.0

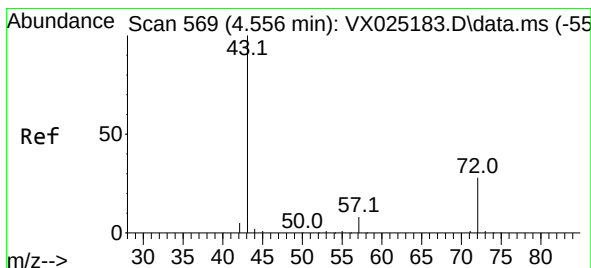
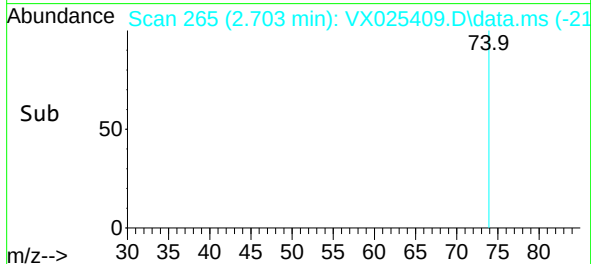
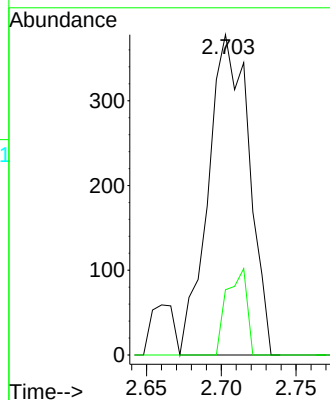
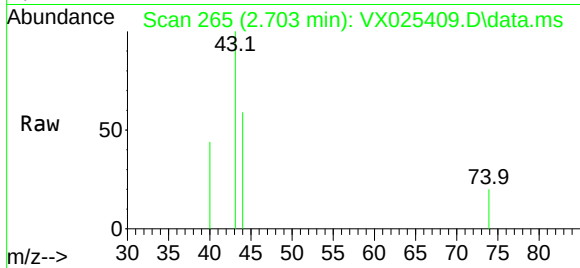




#18
Methyl Acetate
Concen: 0.329 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

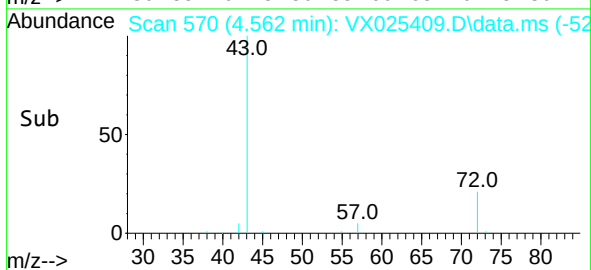
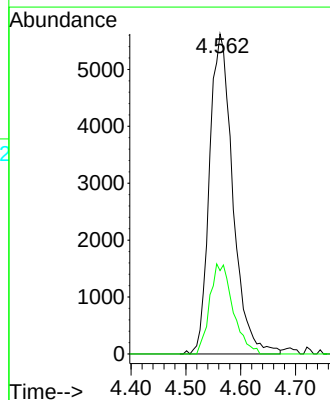
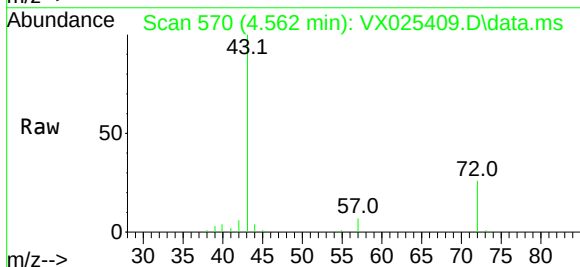
Instrument :
MSVOA_X
ClientSampleId :
16951

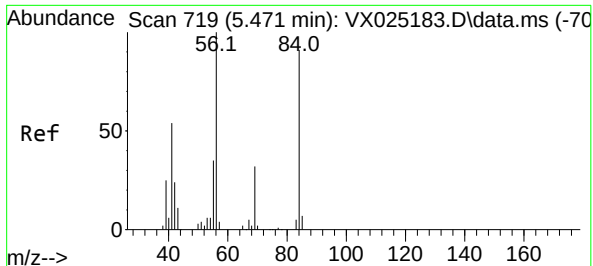
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
74 13.3 19.0 28.6#



#25
2-Butanone
Concen: 16.859 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

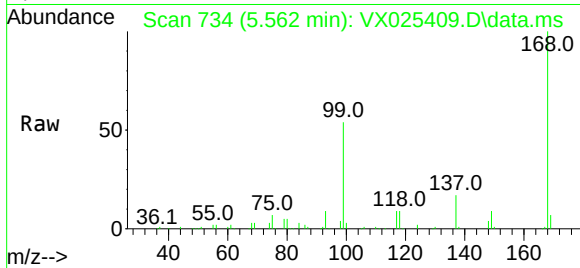
Tgt Ion: 43 Resp: 16580
Ion Ratio Lower Upper
43 100
72 26.0 21.2 31.8



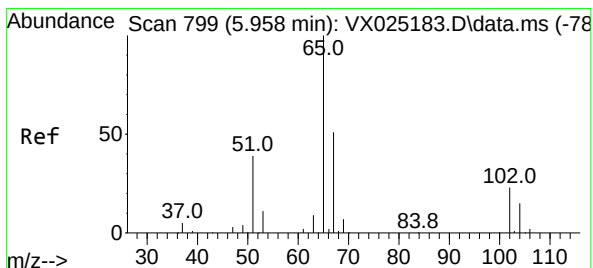
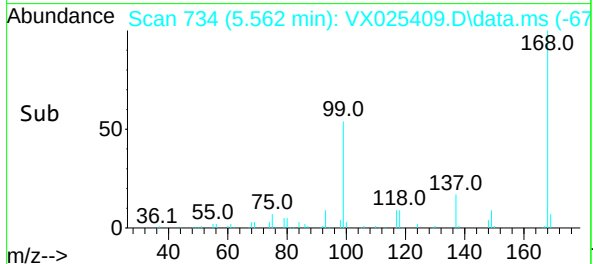
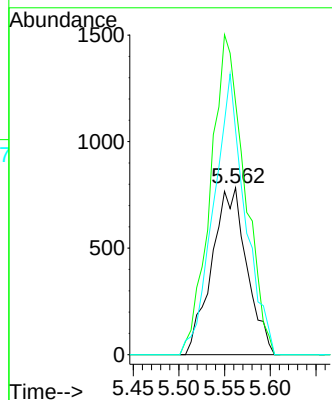


#31
Cyclohexane
Concen: 1.104 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
16951

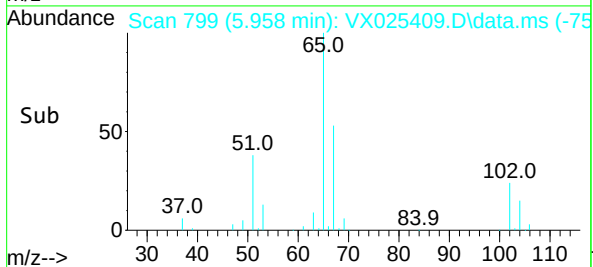
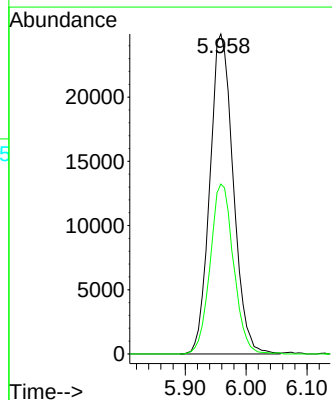
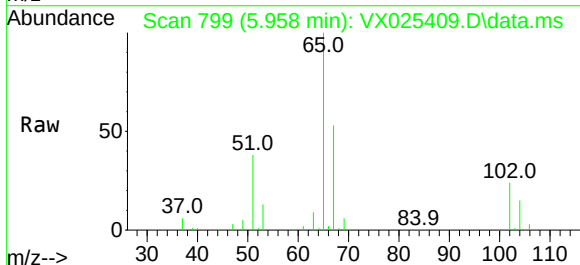


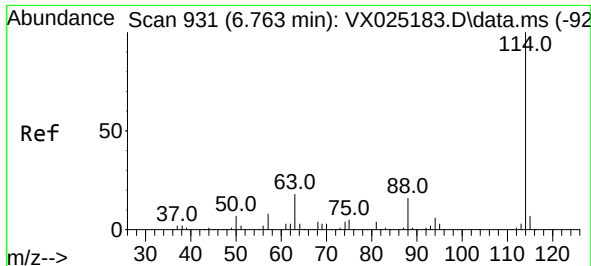
Tgt Ion: 56 Resp: 2089
Ion Ratio Lower Upper
56 100
69 151.2 24.2 36.2#
84 134.6 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 54.362 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 65 Resp: 66549
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.0

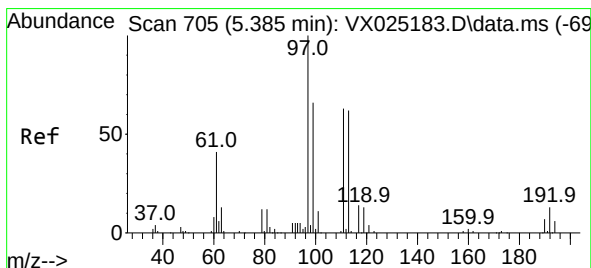
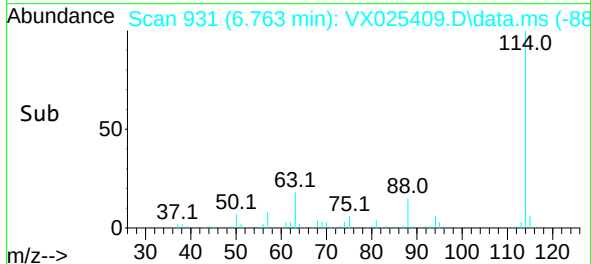
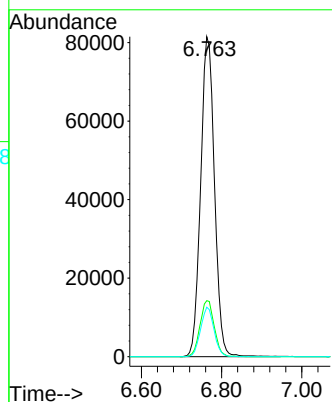
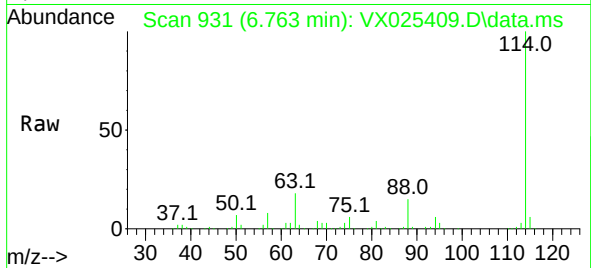




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

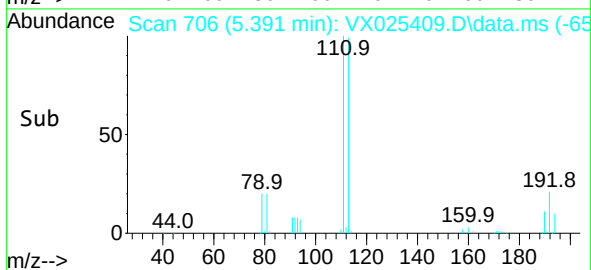
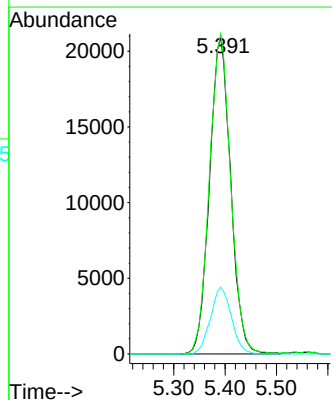
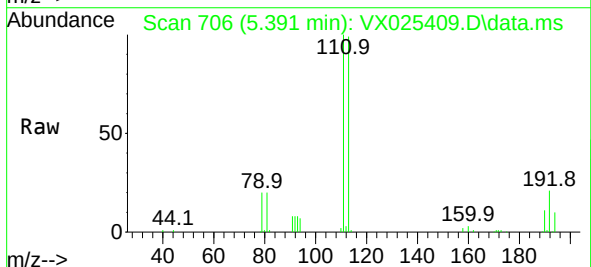
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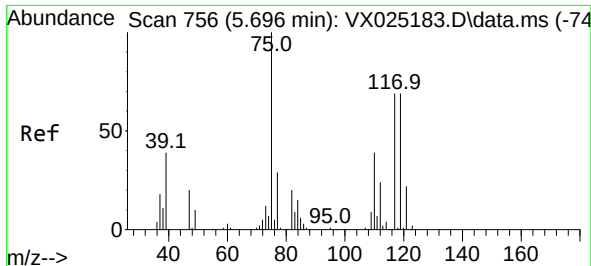
Tgt Ion:114 Resp: 195583
Ion Ratio Lower Upper
114 100
63 17.5 0.0 41.0
88 15.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.813 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion:113 Resp: 59777
Ion Ratio Lower Upper
113 100
111 101.6 82.1 123.1
192 20.8 15.6 23.4

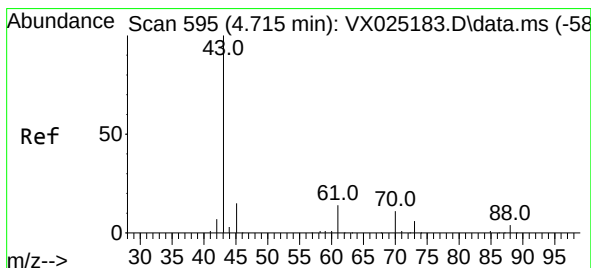
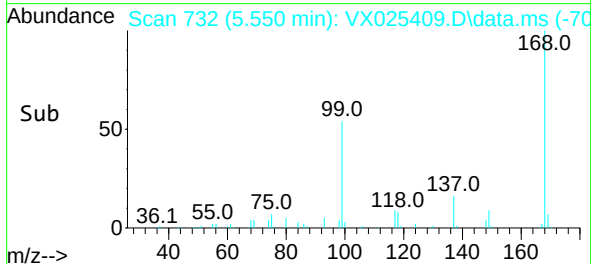
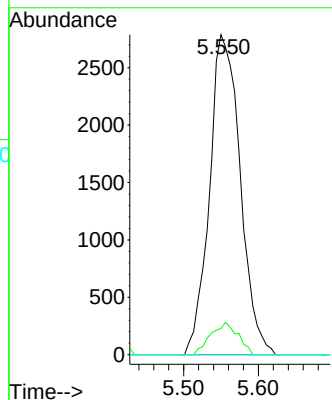
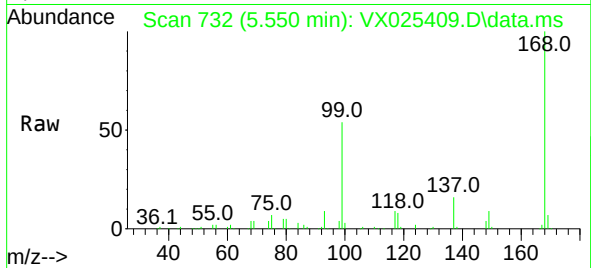




#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

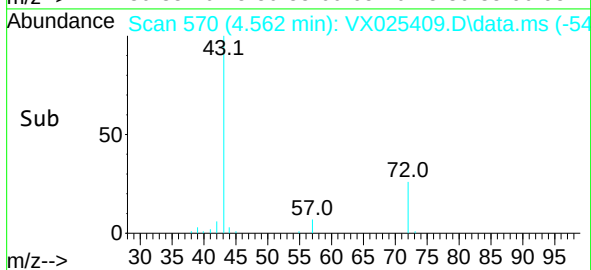
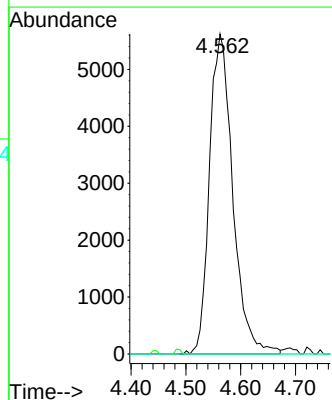
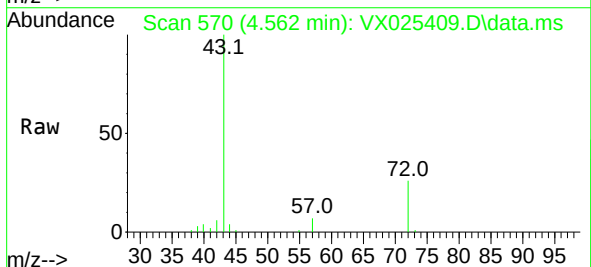
Instrument :
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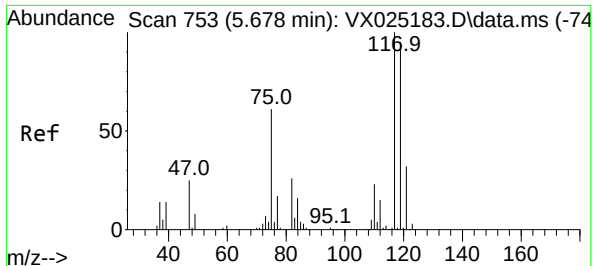
Tgt Ion: 75 Resp: 7964
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 8.540 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.153 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 43 Resp: 16580
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#

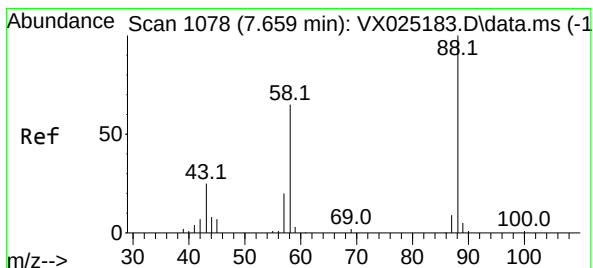
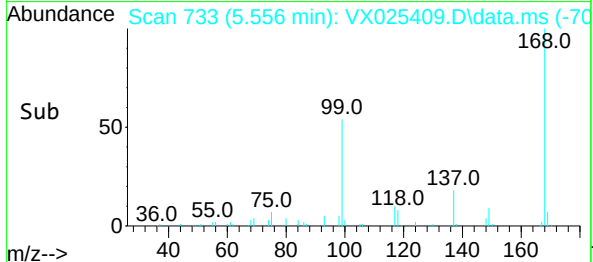
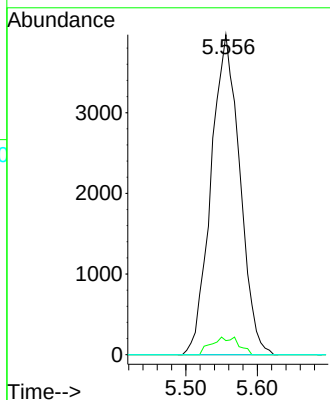
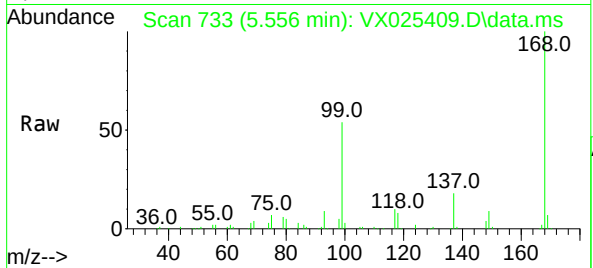




#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

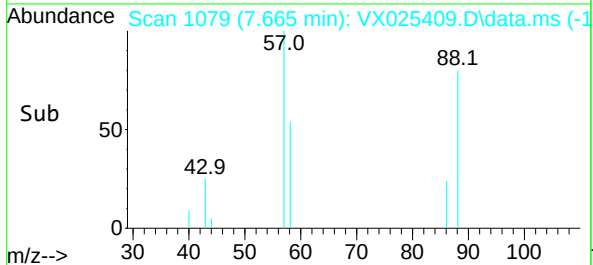
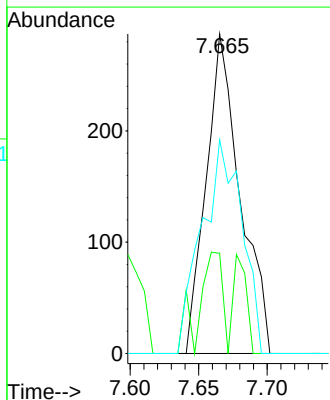
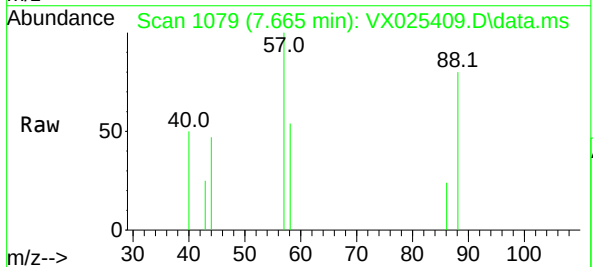
Instrument :
MSVOA_X
ClientSampleId :
16951

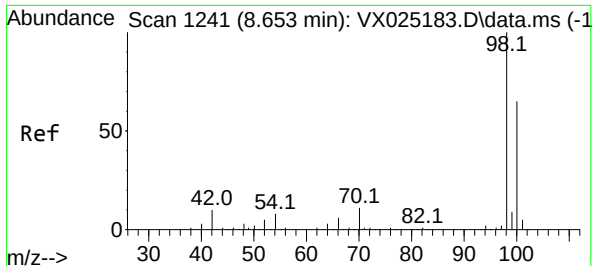
Tgt Ion:117 Resp: 11073
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 15.458 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 88 Resp: 495
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.6#
58 78.8 55.2 82.8





#50

Toluene-d8

Concen: 49.555 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025409.D

Acq: 01 Dec 2021 13:38

Instrument :

MSVOA_X

ClientSampleId :

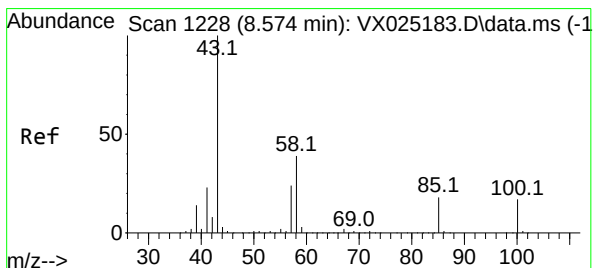
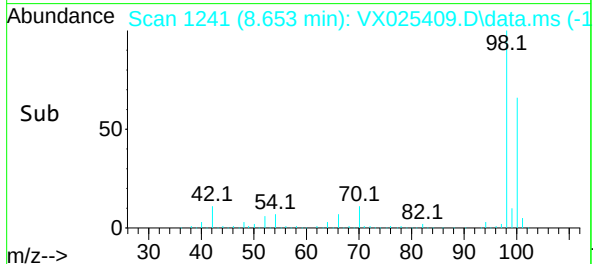
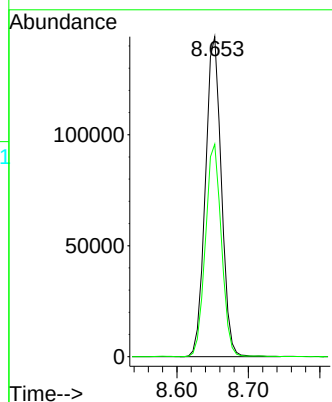
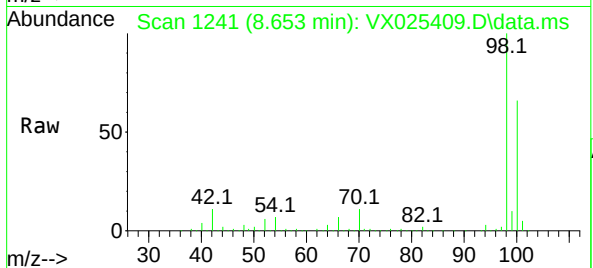
16951

Tgt Ion: 98 Resp: 223589

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.843 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX025409.D

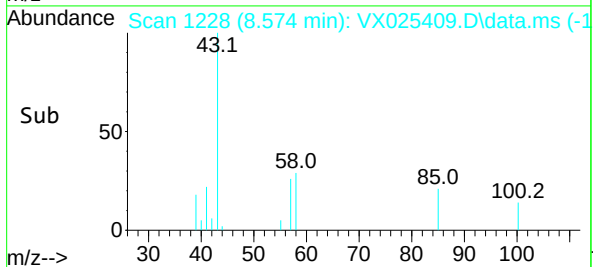
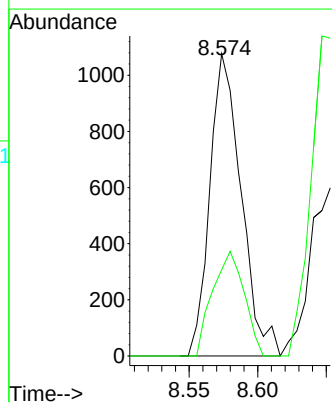
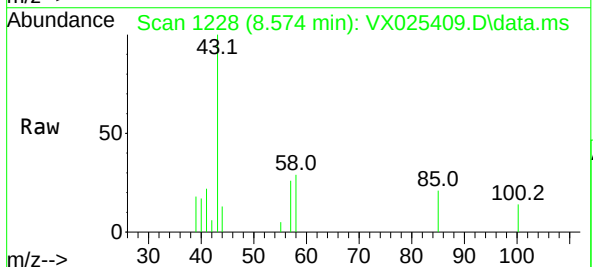
Acq: 01 Dec 2021 13:38

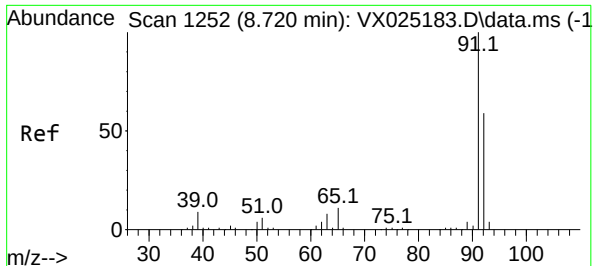
Tgt Ion: 43 Resp: 1708

Ion Ratio Lower Upper

43 100

58 35.1 30.9 46.3

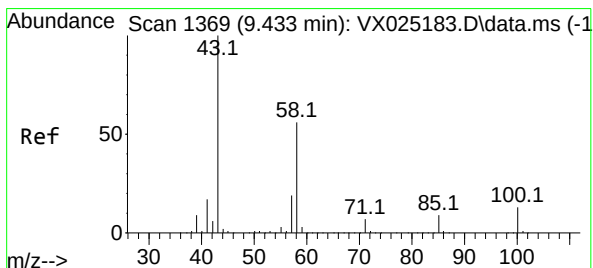
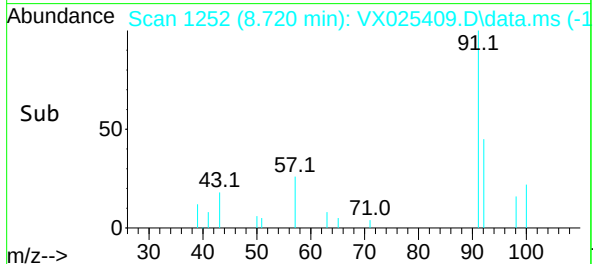
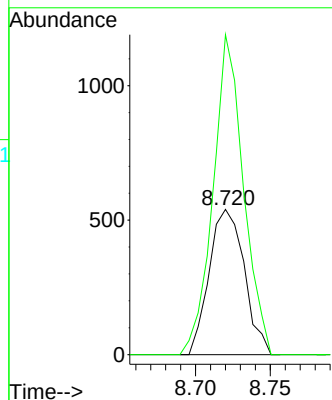
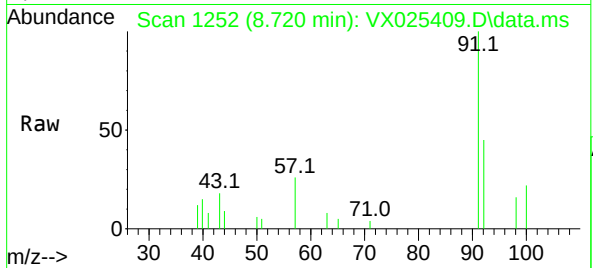




#52
Toluene
Concen: 0.261 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

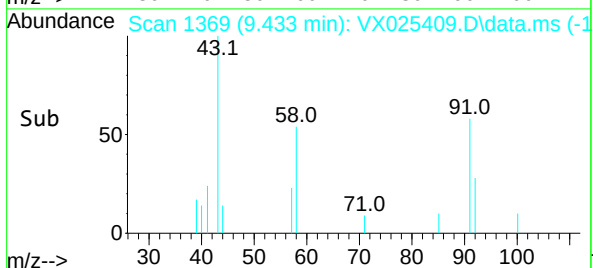
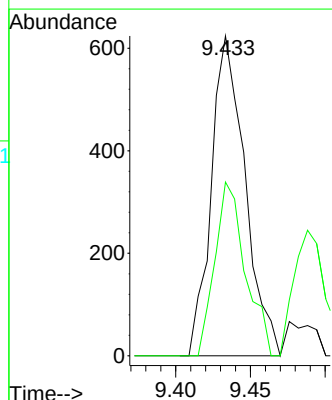
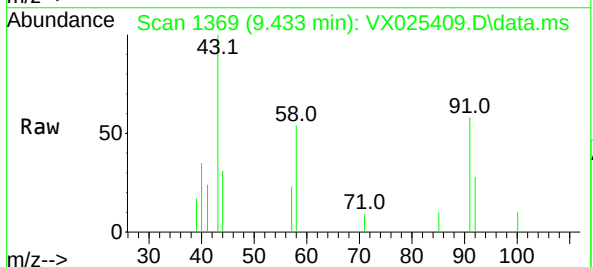
Instrument :
MSVOA_X
ClientSampleId :
16951

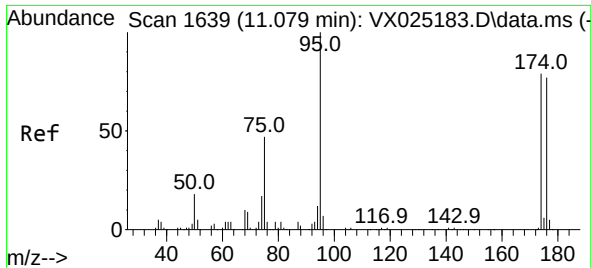
Tgt Ion: 92 Resp: 881
Ion Ratio Lower Upper
92 100
91 191.1 138.6 208.0



#59
2-Hexanone
Concen: 0.613 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 49.0 26.6 79.7

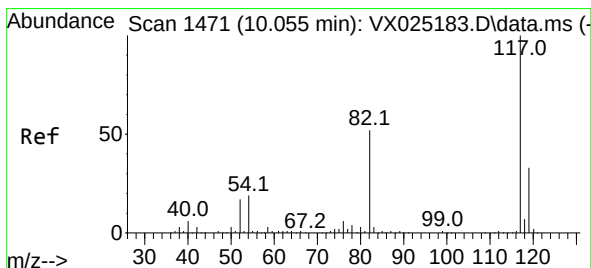
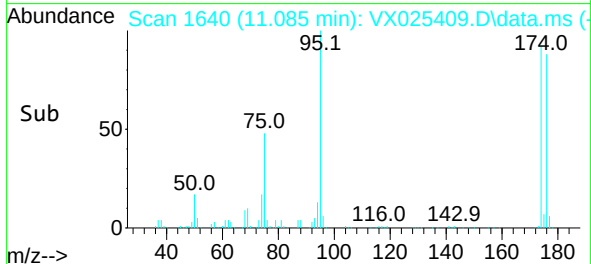
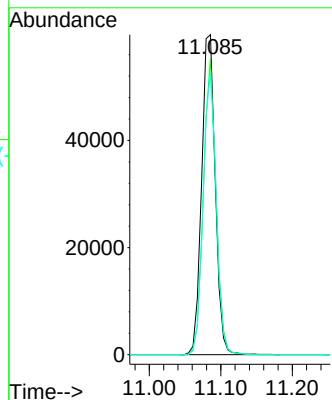
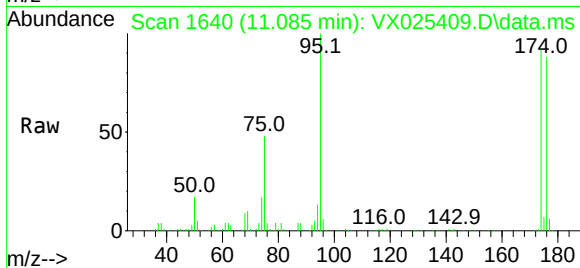




#62
4-Bromofluorobenzene
Concen: 46.422 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

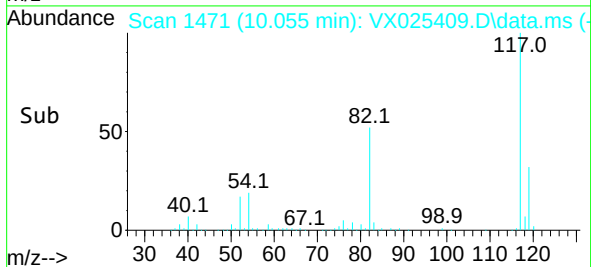
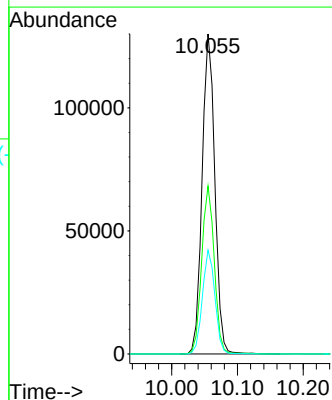
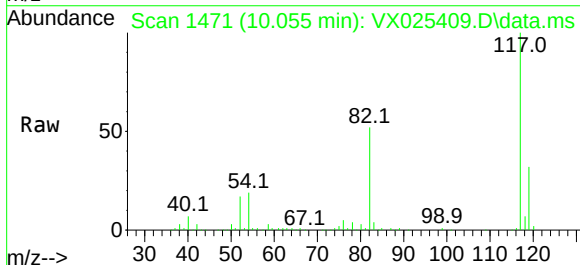
Instrument :
MSVOA_X
ClientSampleId :
16951

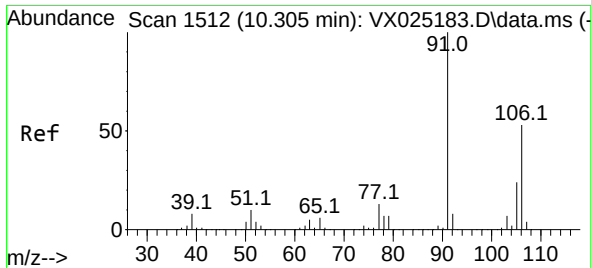
Tgt Ion: 95 Resp: 79238
Ion Ratio Lower Upper
95 100
174 86.1 0.0 158.0
176 84.5 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 117 Resp: 174950
Ion Ratio Lower Upper
117 100
82 52.5 44.6 67.0
119 32.4 24.8 37.2

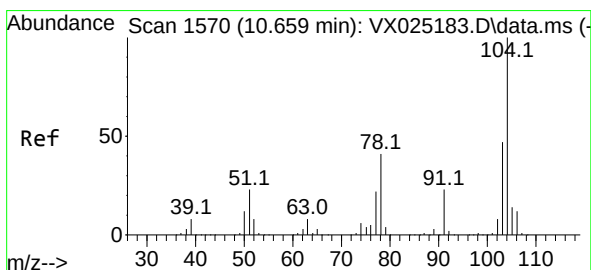
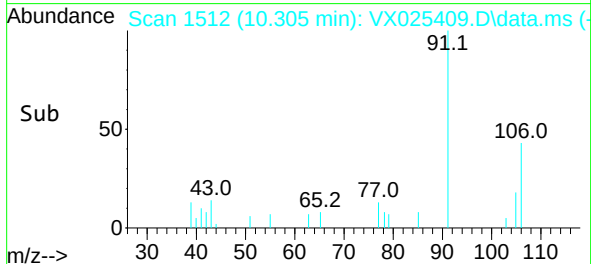
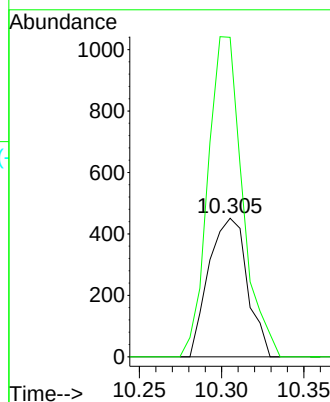
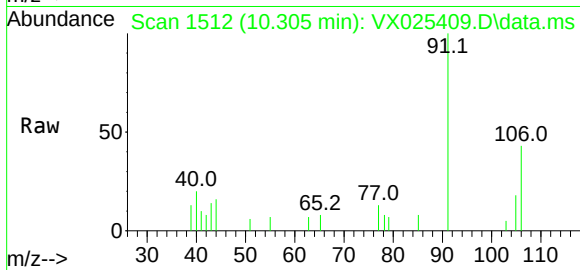




#68
m/p-Xylenes
Concen: 0.291 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

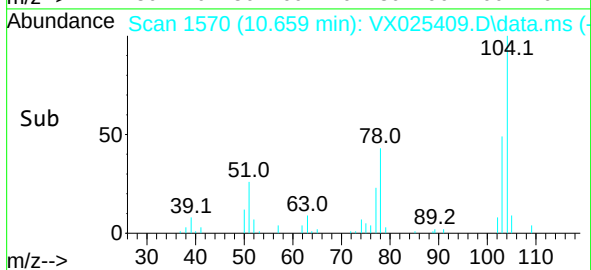
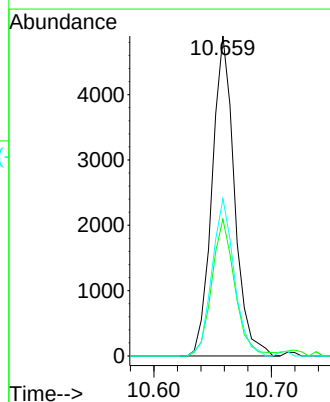
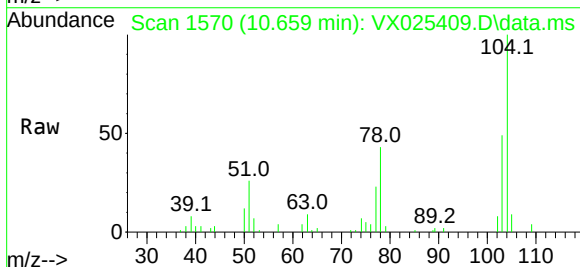
Instrument :
MSVOA_X
ClientSampleId :
16951

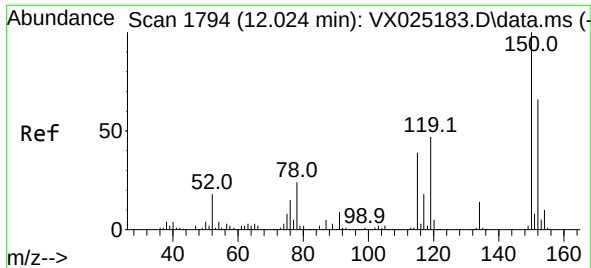
Tgt Ion:106 Resp: 733
Ion Ratio Lower Upper
106 100
91 207.4 163.4 245.0



#70
Styrene
Concen: 1.595 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion:104 Resp: 6490
Ion Ratio Lower Upper
104 100
78 43.9 41.3 61.9
103 48.7 43.5 65.3

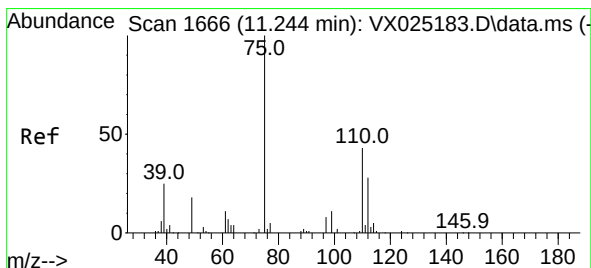
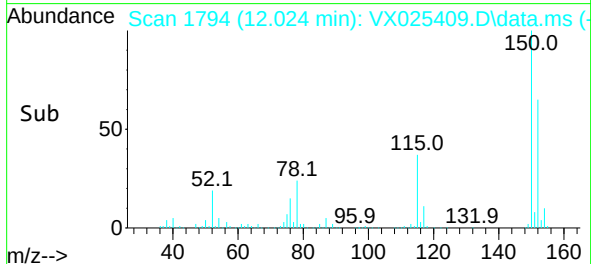
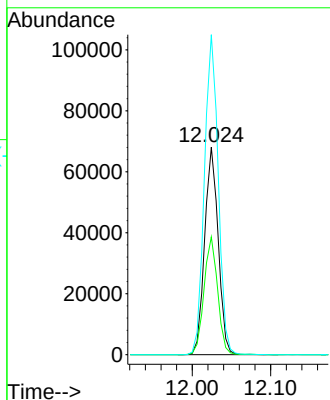
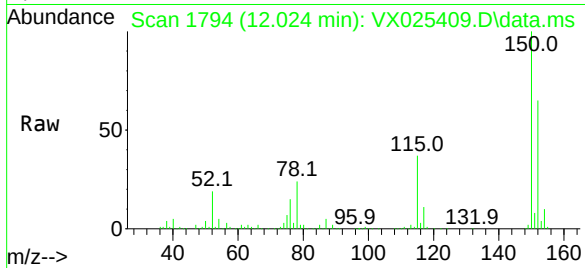




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025409.D
 Acq: 01 Dec 2021 13:38

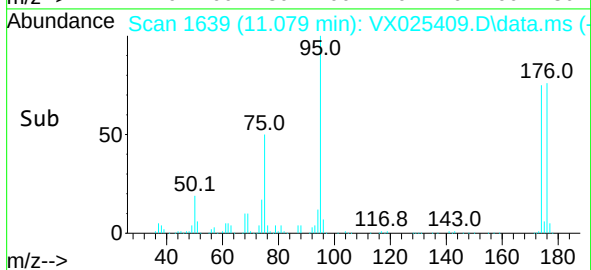
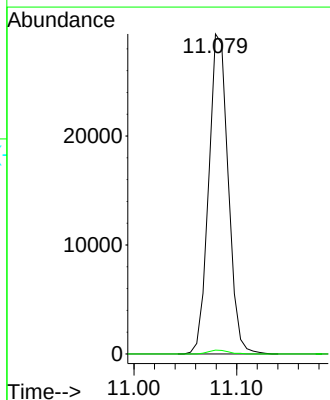
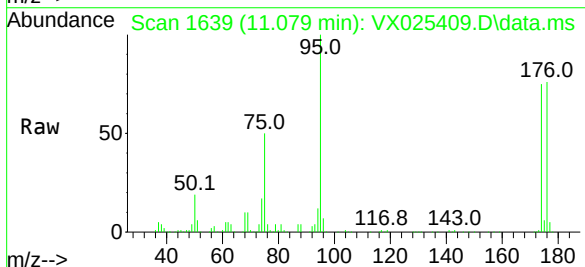
Instrument :
 MSVOA_X
 ClientSampleId :
 16951

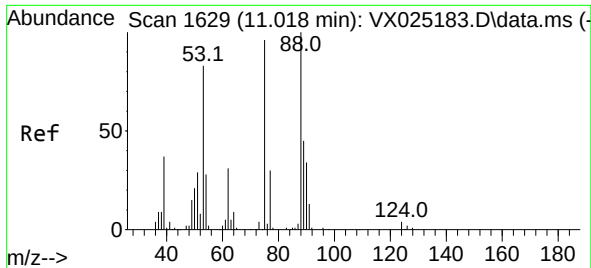
Tgt Ion:152 Resp: 81528
 Ion Ratio Lower Upper
 152 100
 115 57.0 43.3 129.8
 150 157.5 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 23.181 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025409.D
 Acq: 01 Dec 2021 13:38

Tgt Ion: 75 Resp: 38701
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.0 59.9#

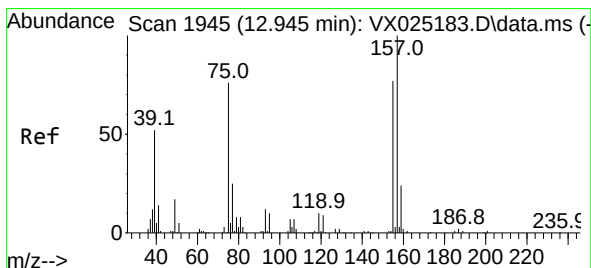
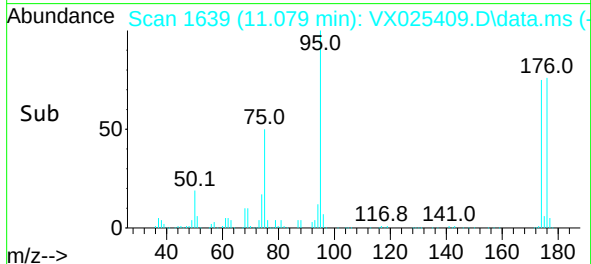
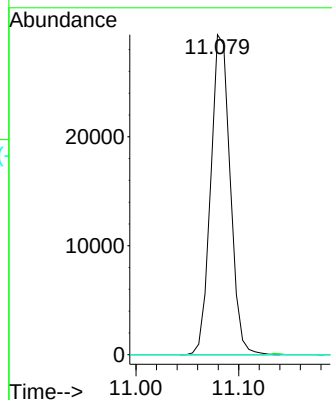
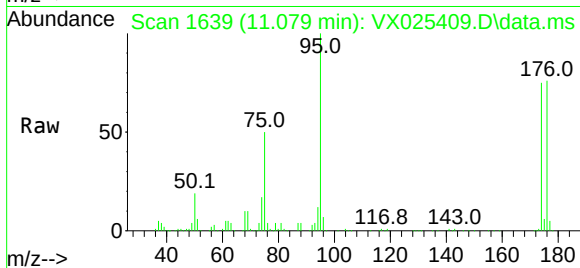




#81
trans-1,4-Dichloro-2-butene
Concen: 58.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
16951

Tgt Ion: 75 Resp: 38701
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.316 ug/l
RT: 12.805 min Scan# 1922
Delta R.T. -0.140 min
Lab File: VX025409.D
Acq: 01 Dec 2021 13:38

Tgt Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 53.6 160.9#

