

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028685.D
 Acq On : 13 May 2022 18:03
 Operator : JC/MD
 Sample : N2770-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-21519

Quant Time: May 16 02:23:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

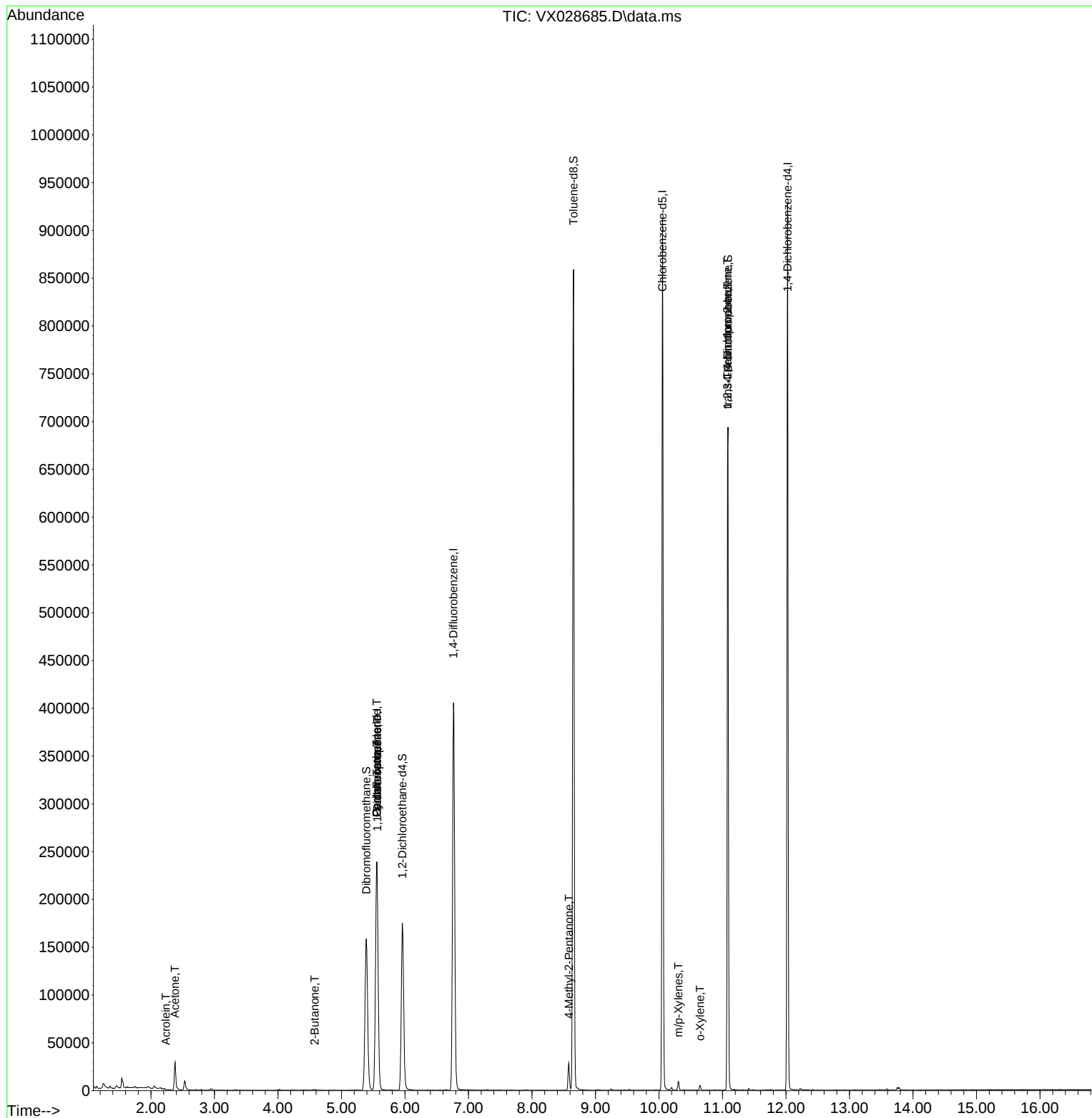
Internal Standards						
1) Pentafluorobenzene	5.556	168	215830	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	408962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162260	54.845	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.680%			
35) Dibromofluoromethane	5.391	113	137312	51.246	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.500%			
50) Toluene-d8	8.653	98	497241	49.222	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.440%			
62) 4-Bromofluorobenzene	11.085	95	181485	48.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	389	Below Cal	#	68
6) Chloroethane	1.673	64	196	Below Cal		98
11) Tert butyl alcohol	2.953	59	1288	Below Cal	#	76
13) Acrolein	2.233	56	108	0.222	ug/l #	1
16) Acetone	2.380	43	30572	24.078	ug/l	93
25) 2-Butanone	4.574	43	940	0.472	ug/l	92
31) Cyclohexane	5.556	56	5033	1.226	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	18610	4.624	ug/l #	50
38) Carbon Tetrachloride	5.556	117	23582	5.822	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	16677	3.850	ug/l	90
68) m/p-Xylenes	10.305	106	2248	0.388	ug/l	96
69) o-Xylene	10.647	106	1214	0.213	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	97566	23.500	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	97566	68.549	ug/l #	15

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

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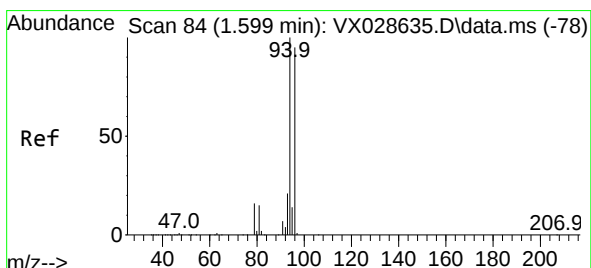
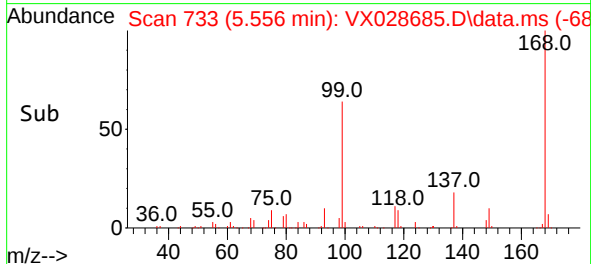
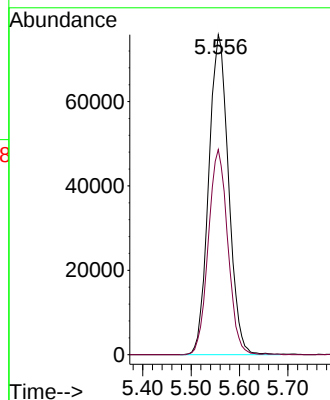
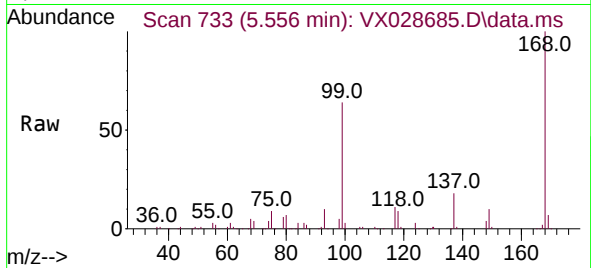




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

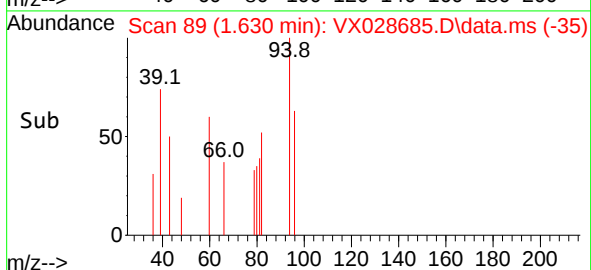
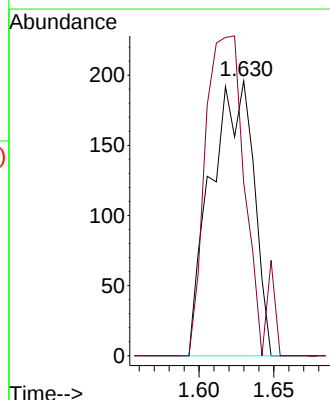
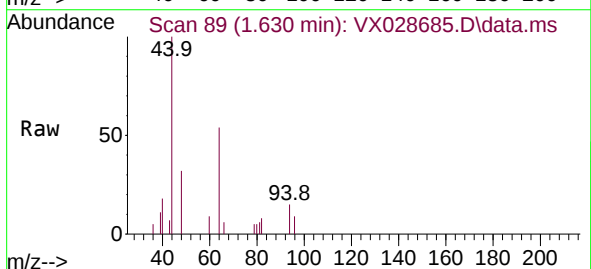
Instrument :
MSVOA_X
ClientSampleId :
M-21519

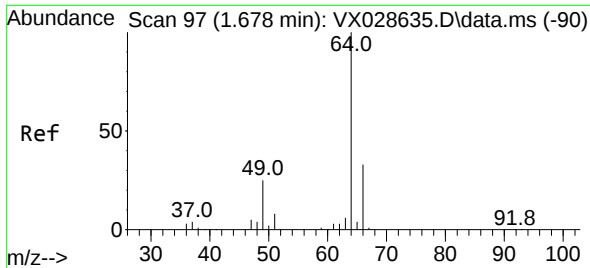
Tgt Ion:168 Resp: 215830
Ion Ratio Lower Upper
168 100
99 64.1 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 94 Resp: 389
Ion Ratio Lower Upper
94 100
96 62.8 75.3 112.9#

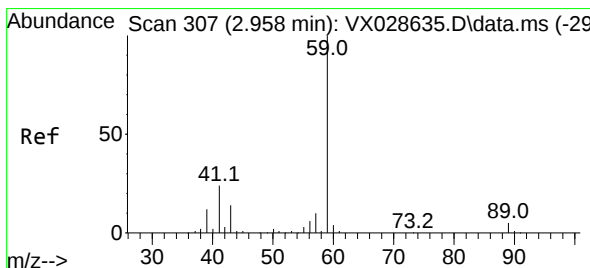
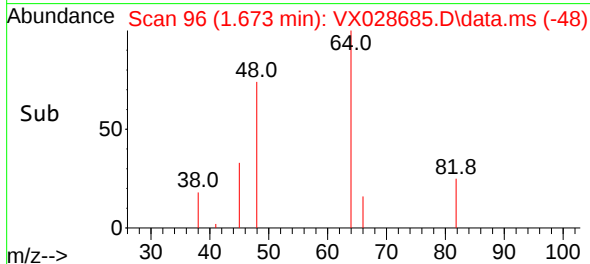
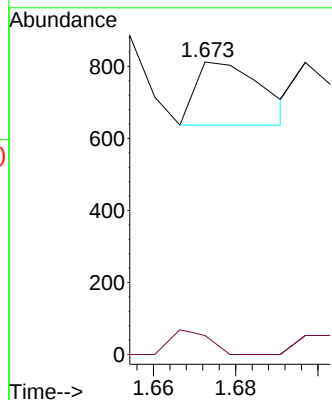
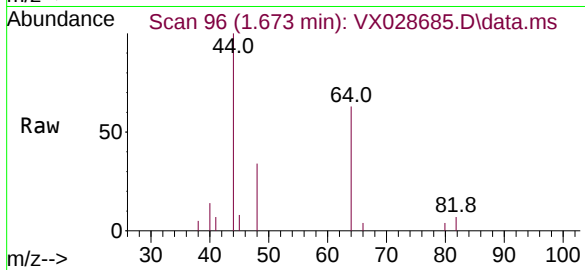




#6
Chloroethane
Concen: Below Cal
RT: 1.673 min Scan# 90
Delta R.T. -0.005 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

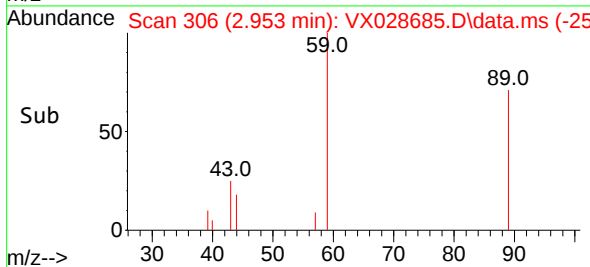
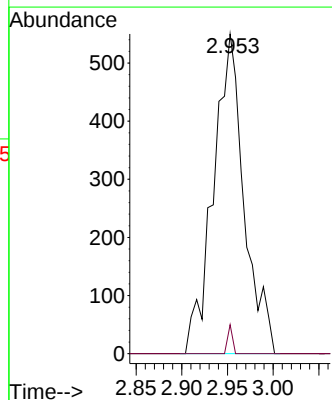
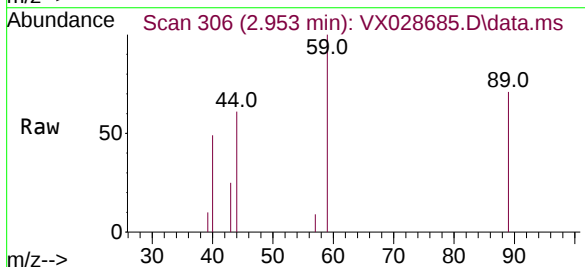
Instrument :
MSVOA_X
ClientSampleId :
M-21519

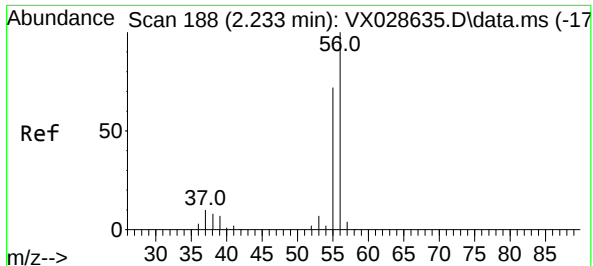
Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 30.3 25.3 37.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 59 Resp: 1288
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#

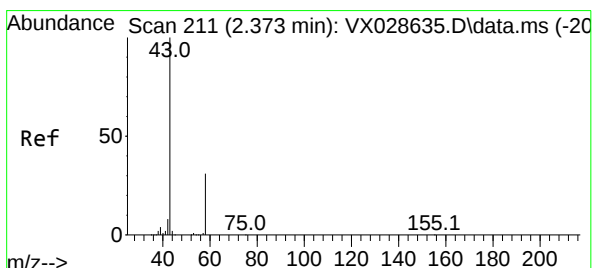
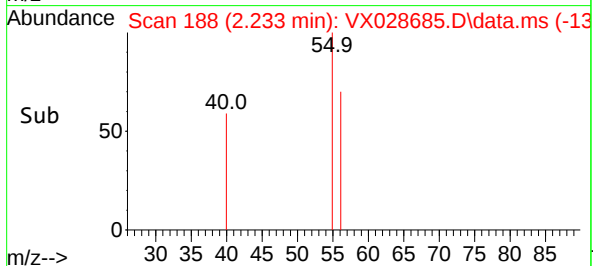
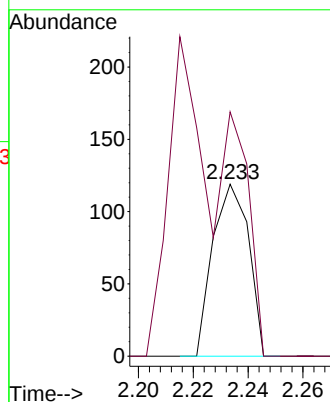
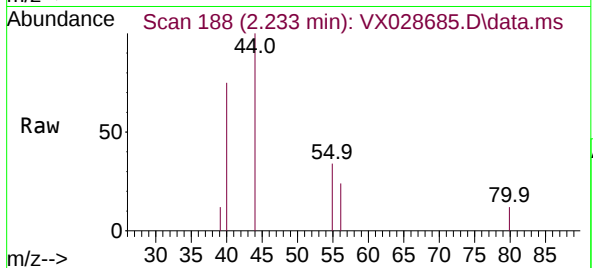




#13
Acrolein
Concen: 0.222 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

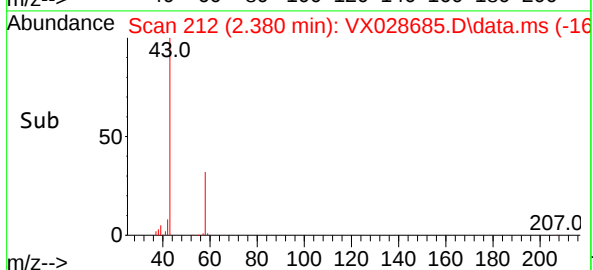
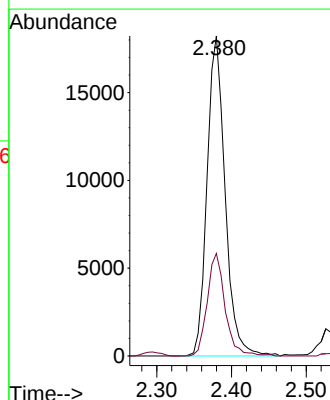
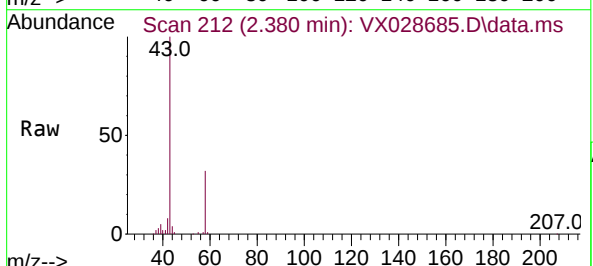
Instrument :
MSVOA_X
ClientSampleId :
M-21519

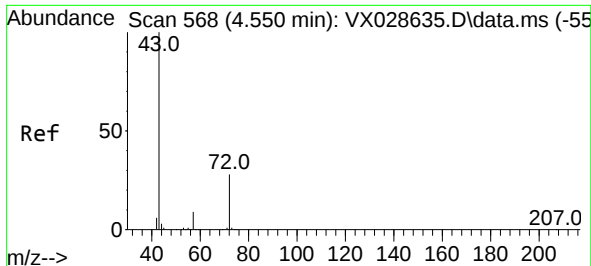
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 183.3 55.0 82.6#



#16
Acetone
Concen: 24.078 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 43 Resp: 30572
Ion Ratio Lower Upper
43 100
58 32.1 28.8 43.2





#25

2-Butanone

Concen: 0.472 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

Instrument :

MSVOA_X

ClientSampleId :

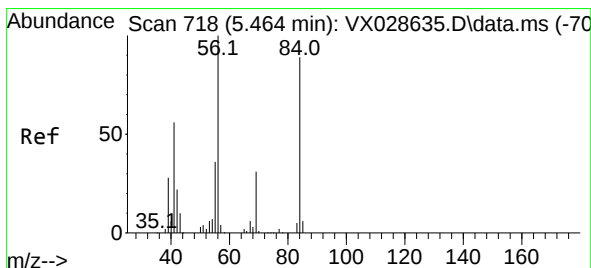
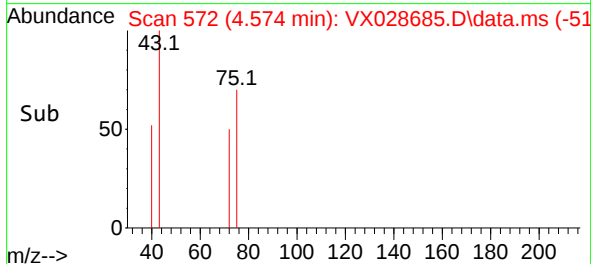
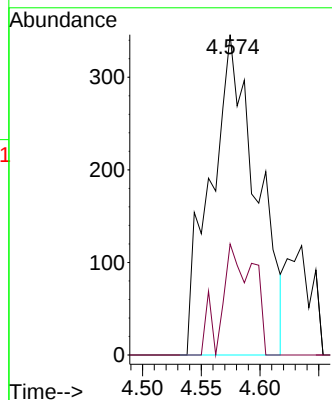
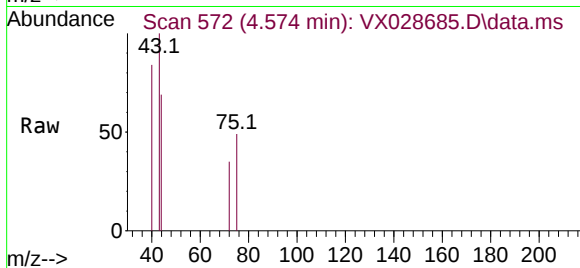
M-21519

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

43 100

72 34.7 24.4 36.6



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

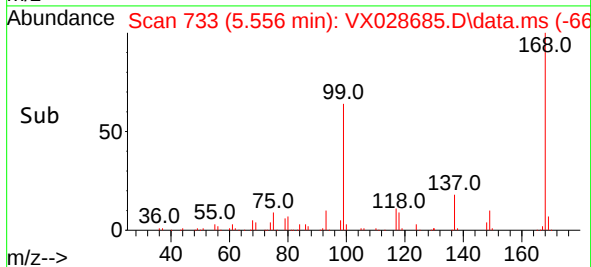
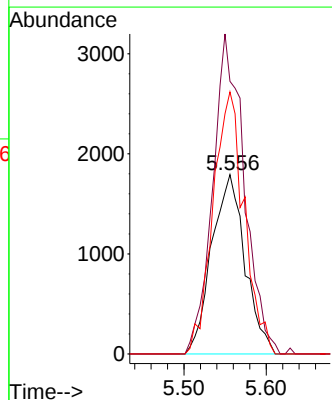
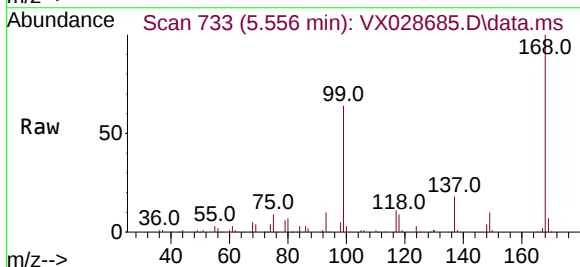
Tgt Ion: 56 Resp: 5033

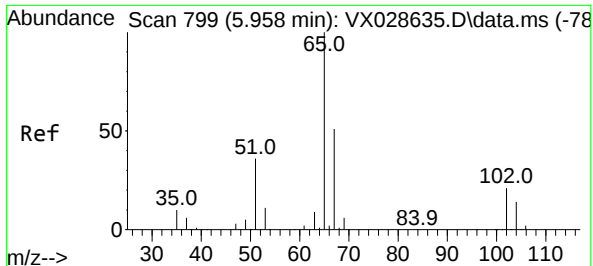
Ion Ratio Lower Upper

56 100

69 152.0 26.7 40.1#

84 146.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.845 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

Instrument :

MSVOA_X

ClientSampleId :

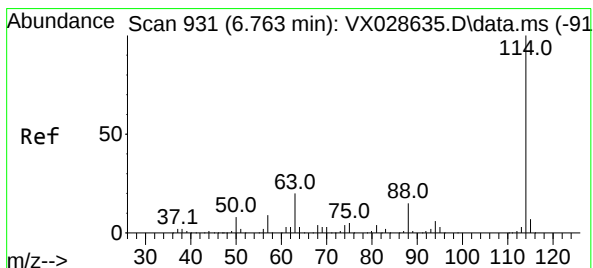
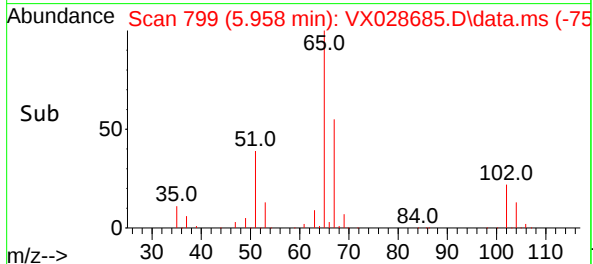
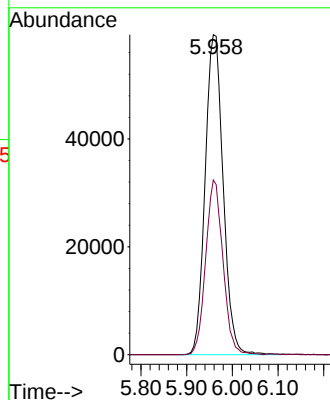
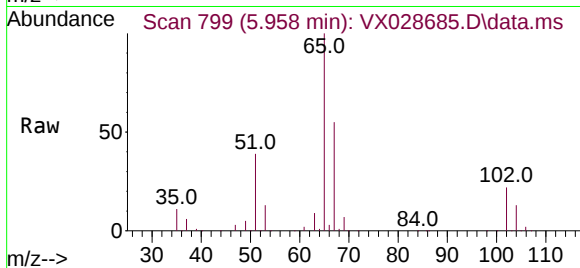
M-21519

Tgt Ion: 65 Resp: 162260

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

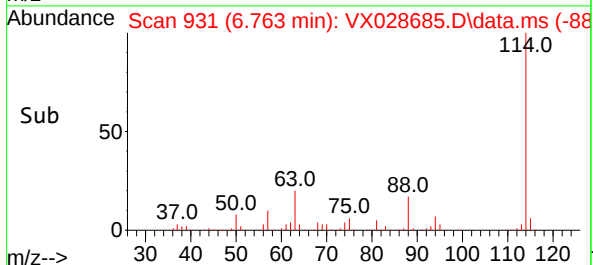
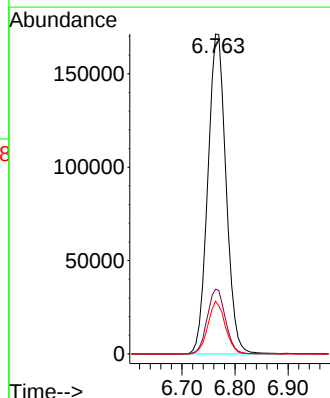
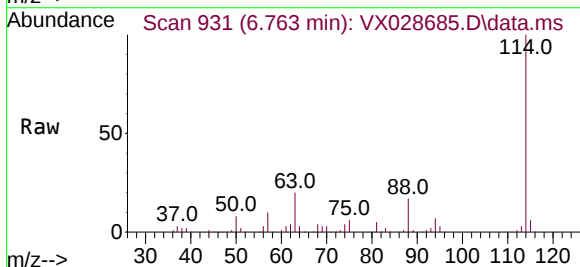
Tgt Ion:114 Resp: 408962

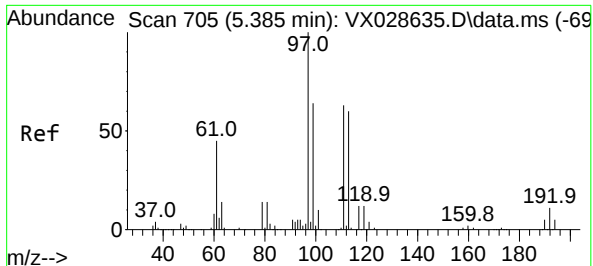
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.246 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

Instrument :

MSVOA_X

ClientSampleId :

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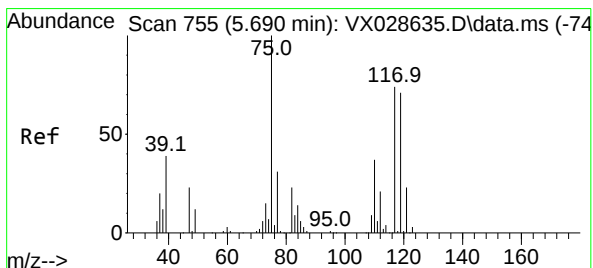
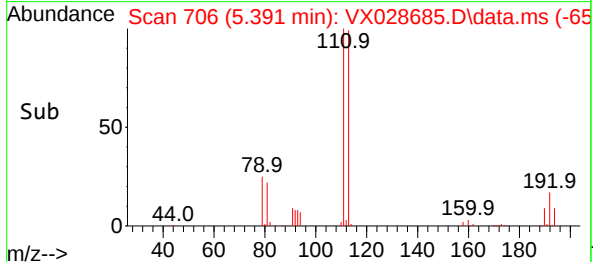
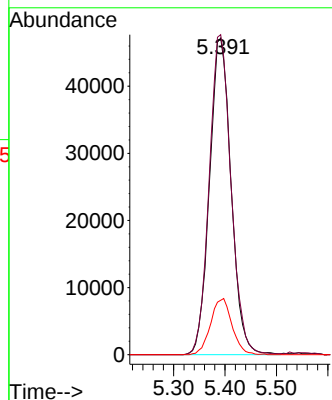
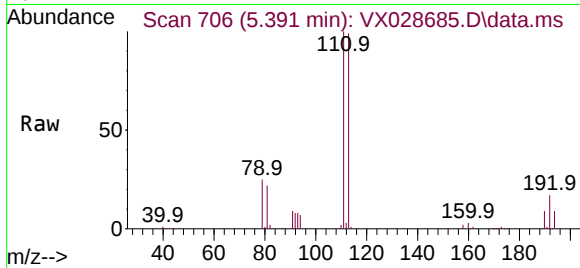
Tgt Ion:113 Resp: 137312

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 17.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

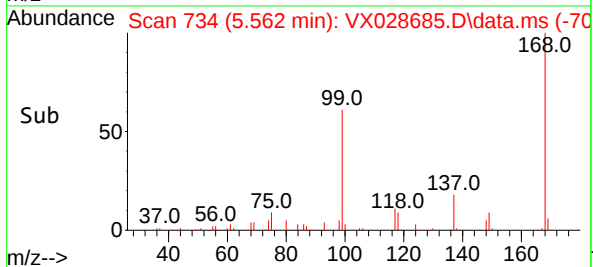
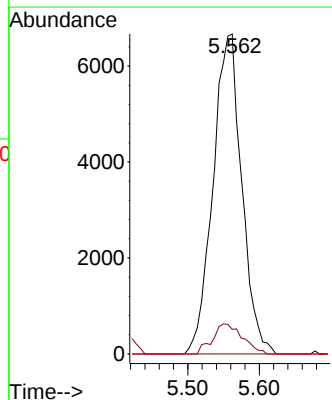
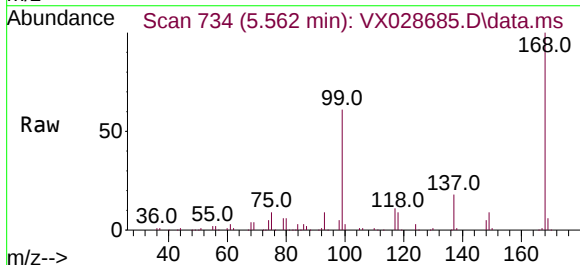
Tgt Ion: 75 Resp: 18610

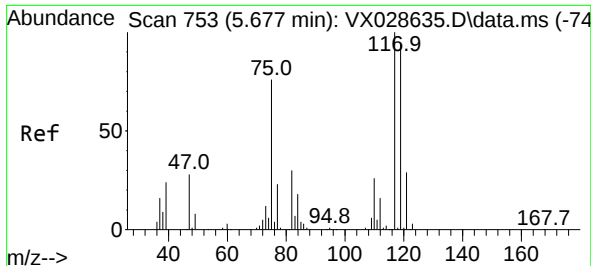
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

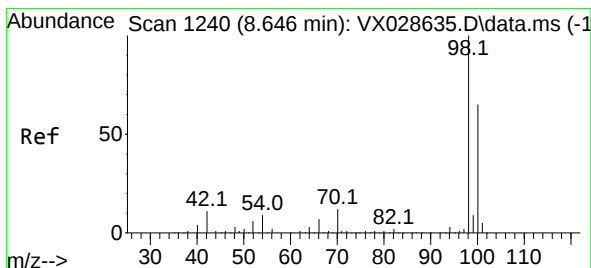
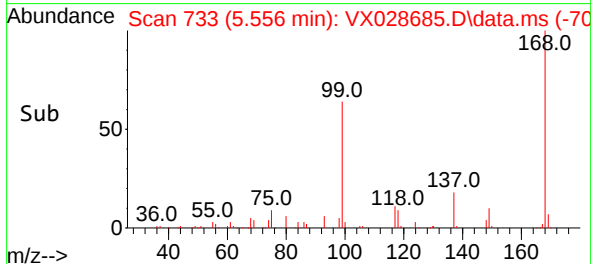
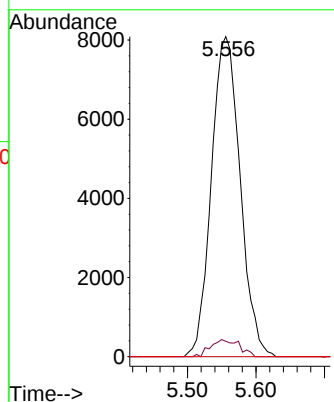
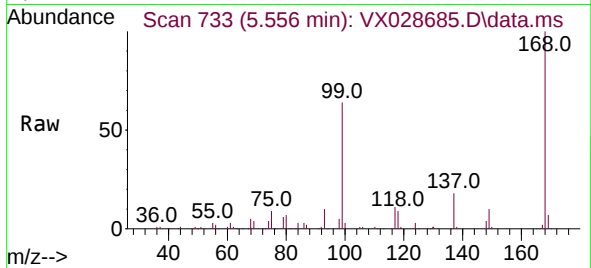




#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

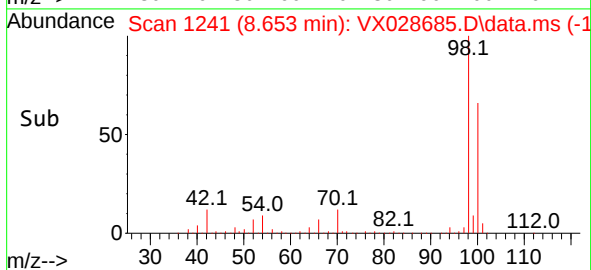
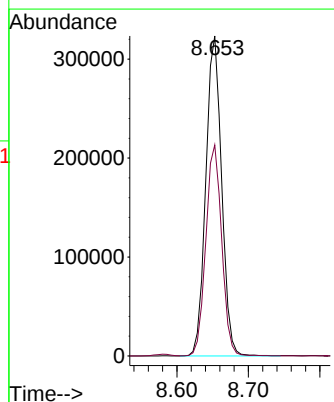
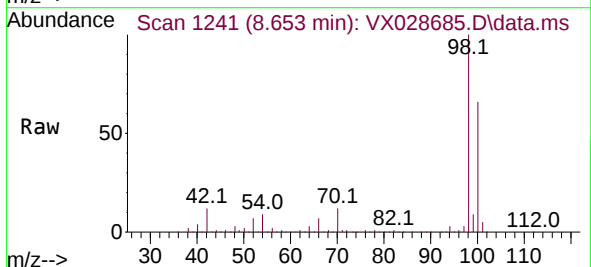
Instrument :
MSVOA_X
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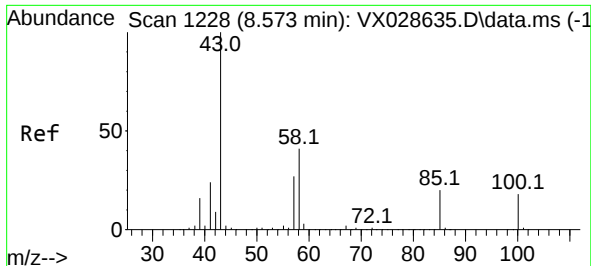
Tgt Ion:117 Resp: 23582
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.222 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 98 Resp: 497241
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

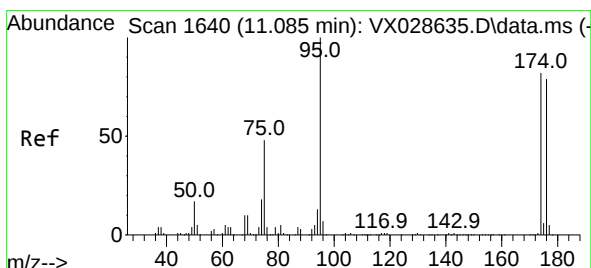
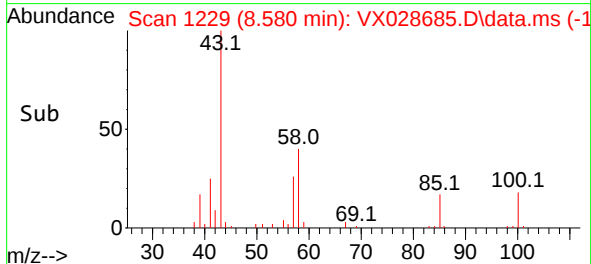
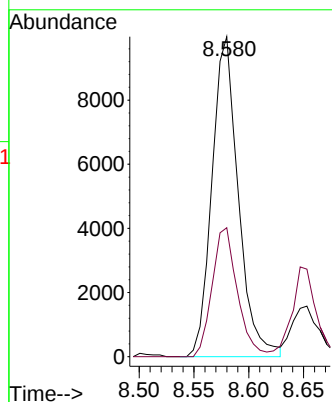
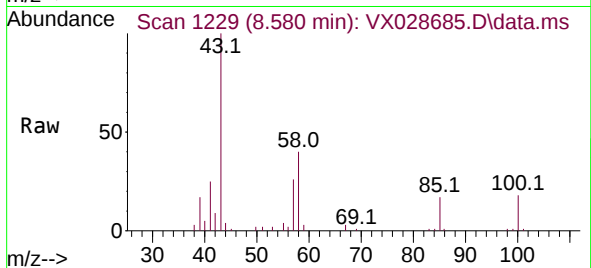




#51
4-Methyl-2-Pentanone
Concen: 3.850 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

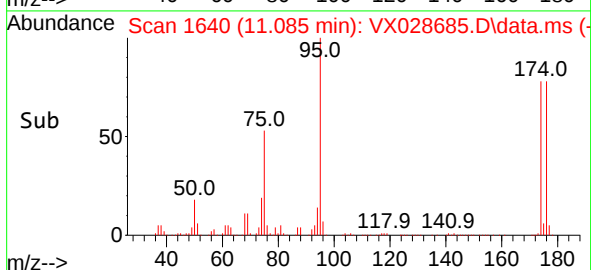
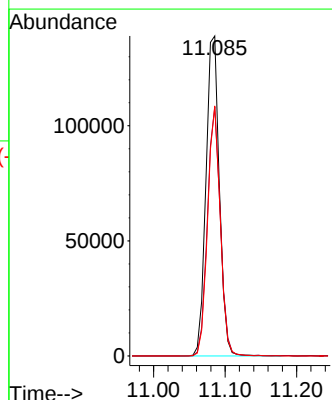
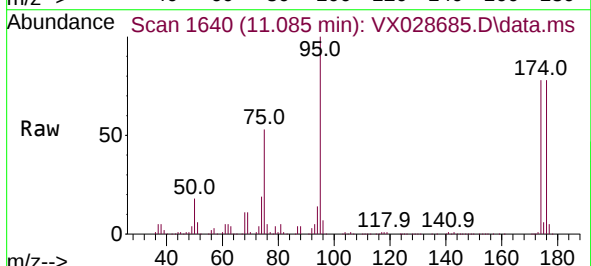
Instrument :
MSVOA_X
ClientSampleId :
M-21519

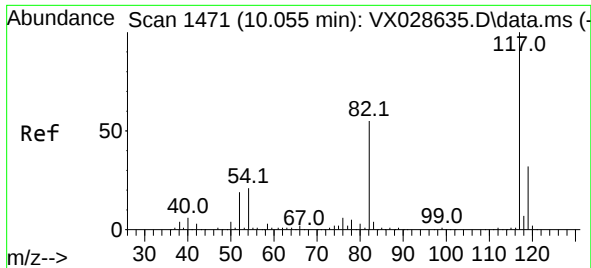
Tgt Ion: 43 Resp: 16677
Ion Ratio Lower Upper
43 100
58 38.6 36.1 54.1



#62
4-Bromofluorobenzene
Concen: 48.099 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 95 Resp: 181485
Ion Ratio Lower Upper
95 100
174 75.0 0.0 163.0
176 73.5 0.0 155.0

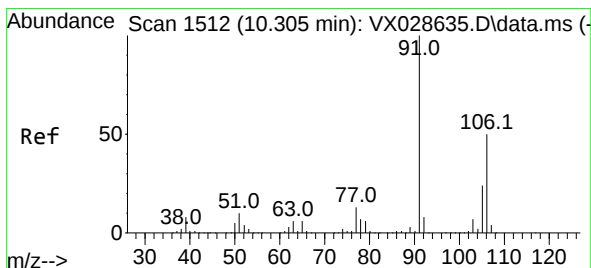
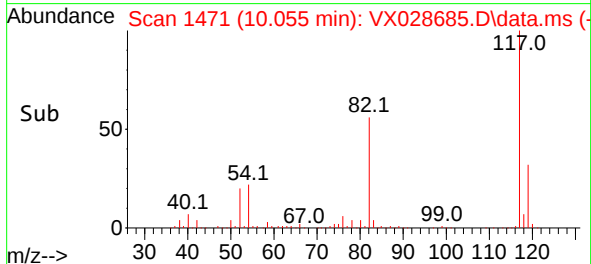
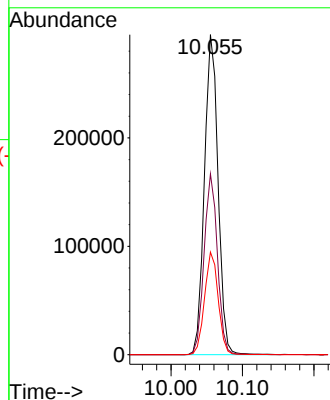
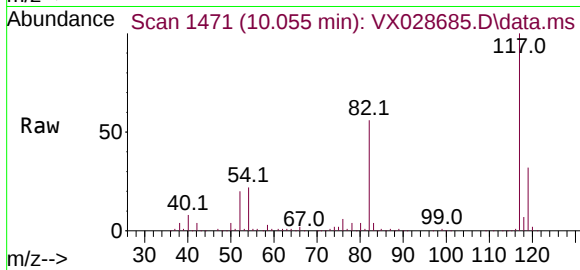




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

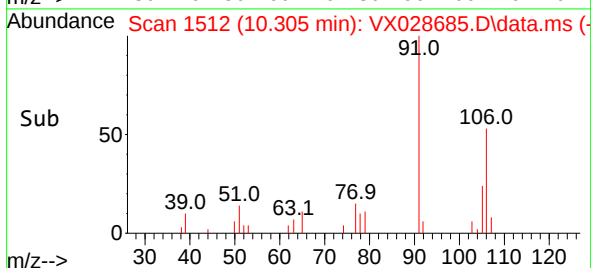
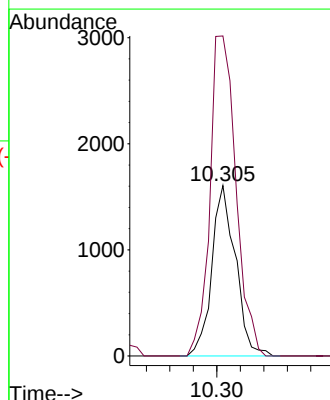
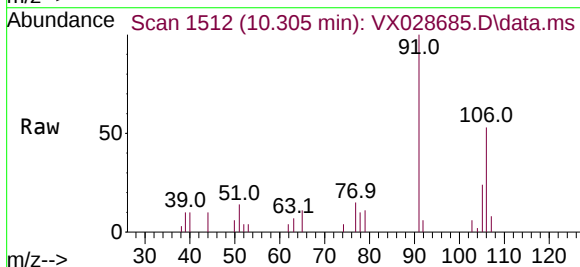
Instrument :
MSVOA_X
ClientSampleId :
M-21519

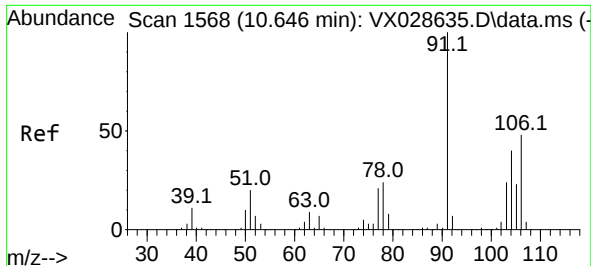
Tgt Ion:117 Resp: 391710
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.388 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion:106 Resp: 2248
Ion Ratio Lower Upper
106 100
91 206.7 160.4 240.6





#69

o-Xylene

Concen: 0.213 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

Instrument :

MSVOA_X

ClientSampleId :

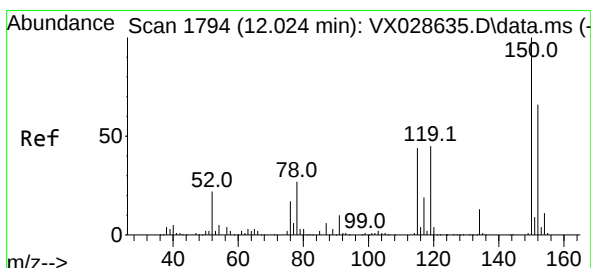
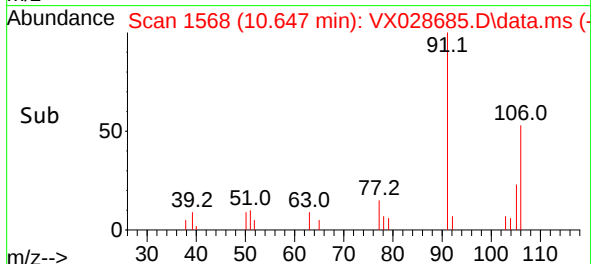
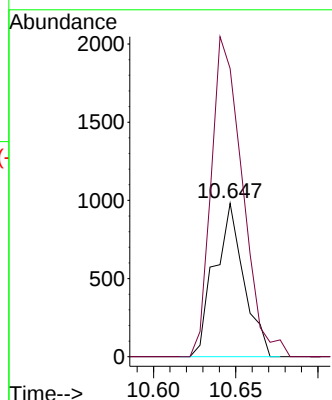
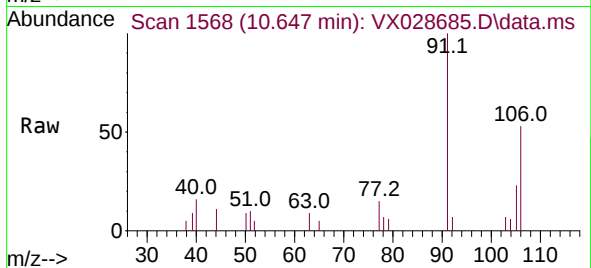
M-21519

Tgt Ion:106 Resp: 1214

Ion Ratio Lower Upper

106 100

91 222.3 106.1 318.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028685.D

Acq: 13 May 2022 18:03

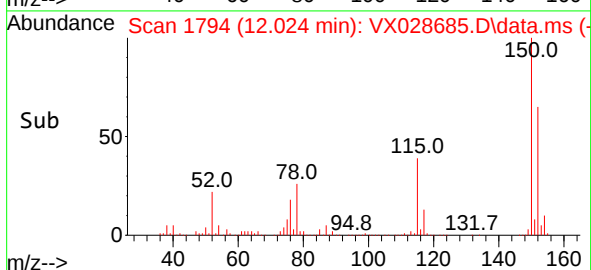
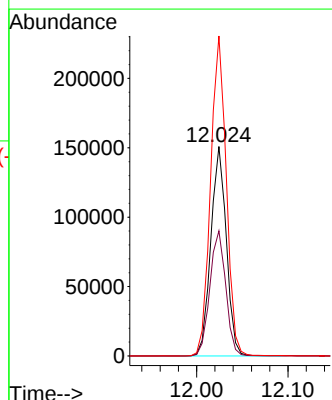
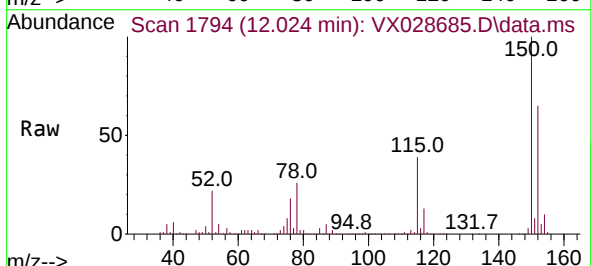
Tgt Ion:152 Resp: 177282

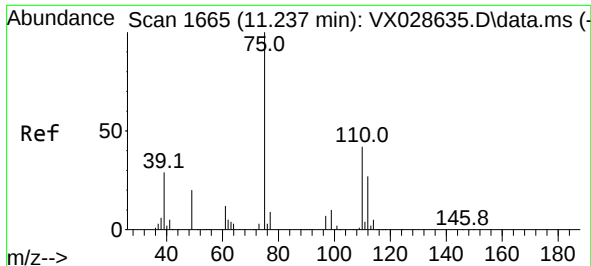
Ion Ratio Lower Upper

152 100

115 61.2 37.5 112.7

150 154.8 0.0 338.2

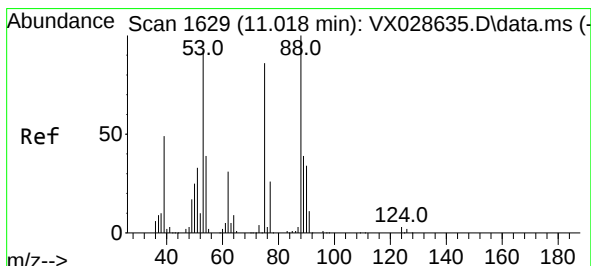
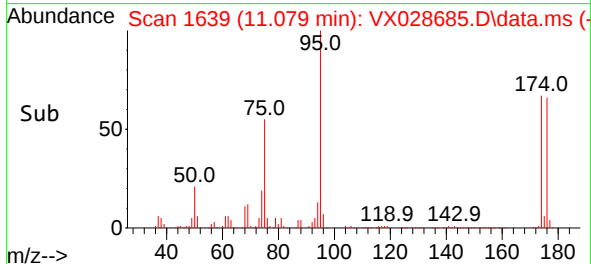
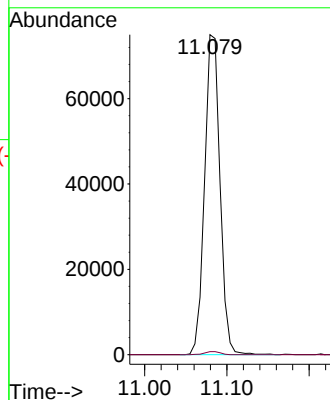
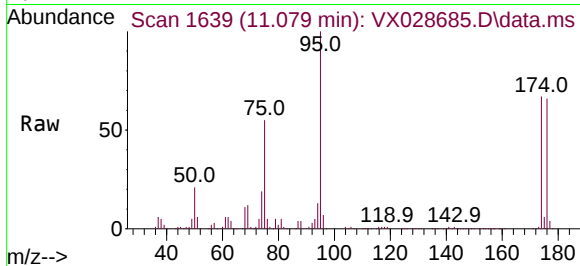




#76
1,2,3-Trichloropropane
Concen: 23.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Instrument :
MSVOA_X
ClientSampleId :
M-21519

Tgt Ion: 75 Resp: 97566
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.549 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028685.D
Acq: 13 May 2022 18:03

Tgt Ion: 75 Resp: 97566
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

