

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024682.D
 Acq On : 08 Oct 2021 19:54
 Operator : JC/MD
 Sample : M4111-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 05:50:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

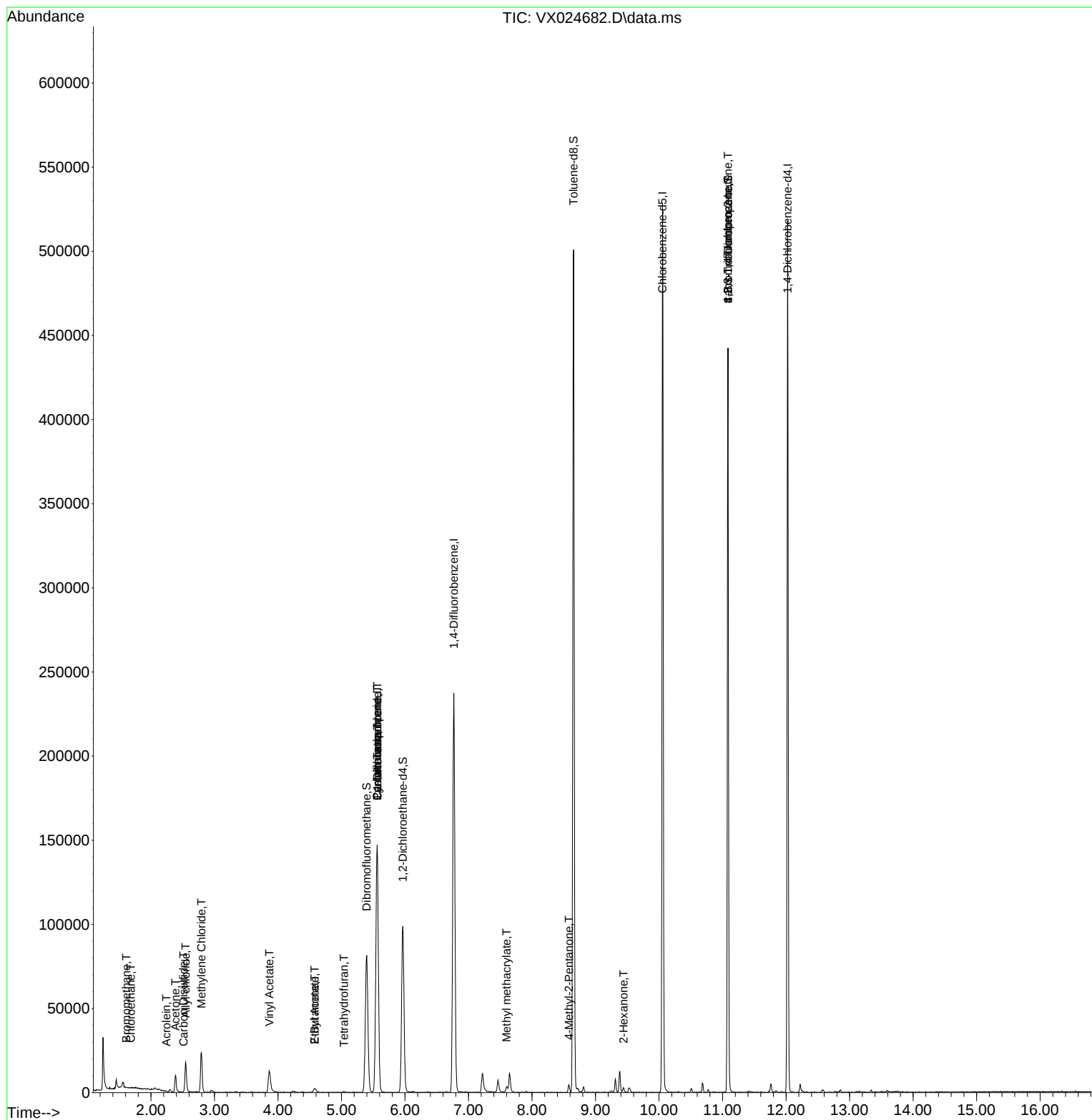
Internal Standards						
1) Pentafluorobenzene	5.562	168	137867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100399	51.670	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.340%			
35) Dibromofluoromethane	5.397	113	68610	44.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.120%			
50) Toluene-d8	8.653	98	285759	49.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.720%			
62) 4-Bromofluorobenzene	11.085	95	109222	48.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	188	0.204	ug/l #	80
6) Chloroethane	1.685	64	97	0.364	ug/l #	75
11) Tert butyl alcohol	2.965	59	538	Below Cal	#	73
13) Acrolein	2.239	56	22	10.259	ug/l #	14
14) Allyl chloride	2.544	41	1816	0.786	ug/l #	48
16) Acetone	2.386	43	10607	2.915	ug/l	90
17) Carbon Disulfide	2.514	76	553	0.397	ug/l #	75
20) Methylene Chloride	2.794	84	10937	6.528	ug/l	96
23) Vinyl Acetate	3.861	43	2232	0.584	ug/l #	68
25) 2-Butanone	4.574	43	4263	3.186	ug/l #	87
29) Tetrahydrofuran	5.038	42	232	0.272	ug/l #	35
31) Cyclohexane	5.562	56	3004	1.291	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10314	4.590	ug/l #	50
37) Ethyl Acetate	4.574	43	4263	1.520	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14361	5.871	ug/l #	15
48) Methyl methacrylate	7.598	41	4870	2.306	ug/l #	18
51) 4-Methyl-2-Pentanone	8.580	43	2694	0.957	ug/l	92
59) 2-Hexanone	9.439	43	1874	0.845	ug/l	71
76) 1,2,3-Trichloropropane	11.085	75	58386	25.057	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58386	68.324	ug/l #	12

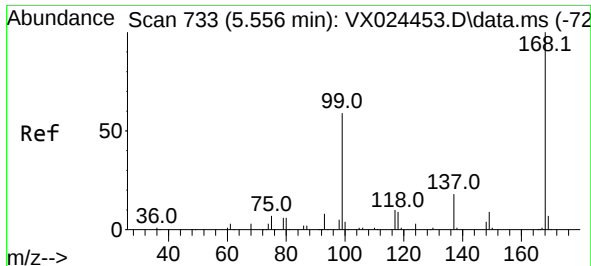
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
Data File : VX024682.D
Acq On : 08 Oct 2021 19:54
Operator : JC/MD
Sample : M4111-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 11 05:50:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

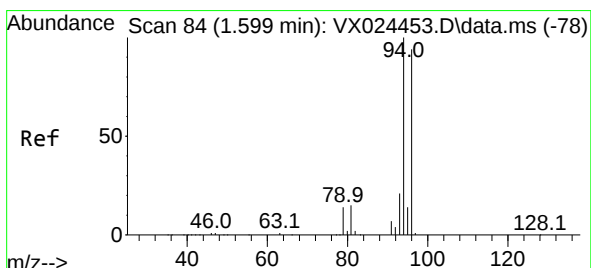
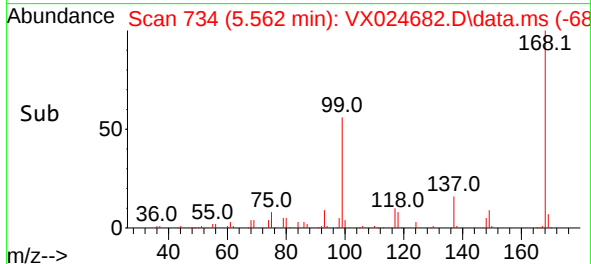
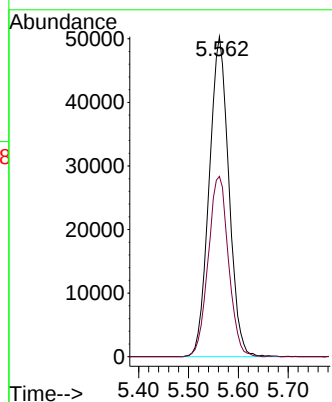
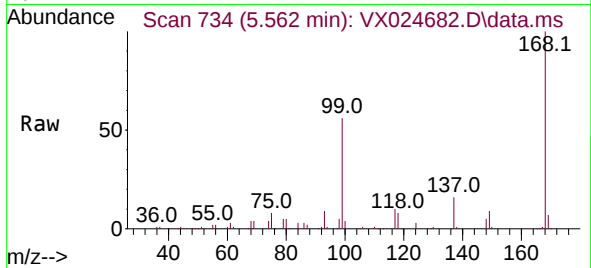




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

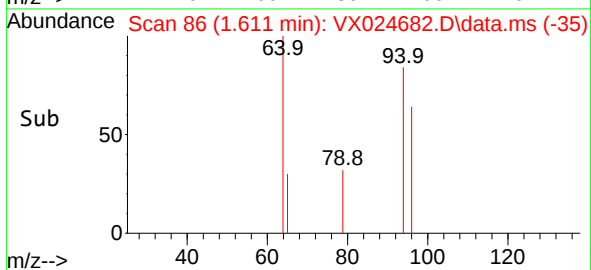
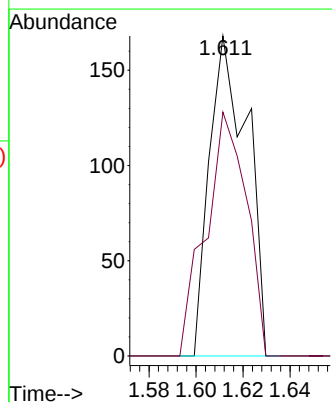
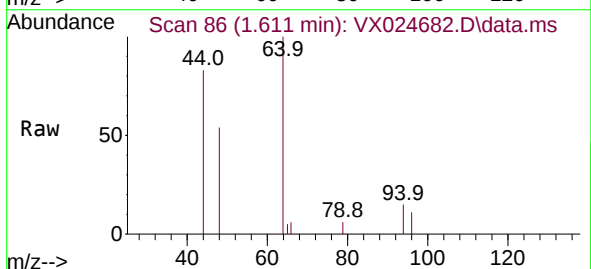
Instrument :
MSVOA_X
ClientSampled :

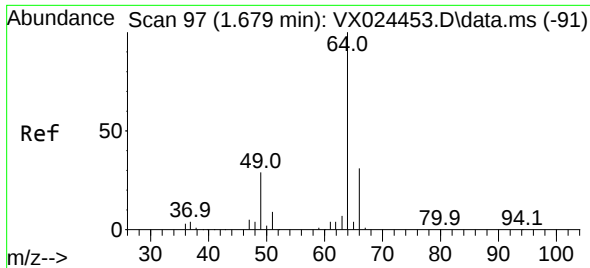
Tgt Ion:168 Resp: 137867
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 76.2 76.4 114.6#

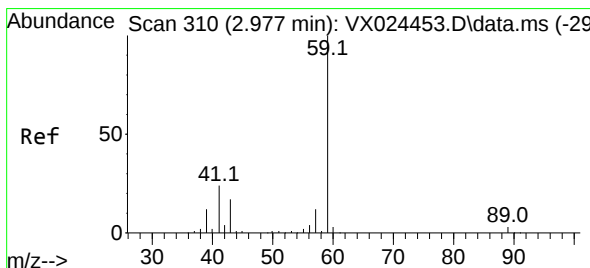
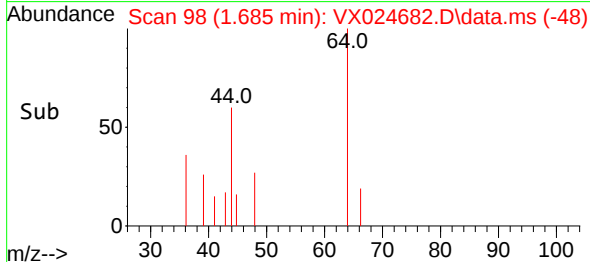
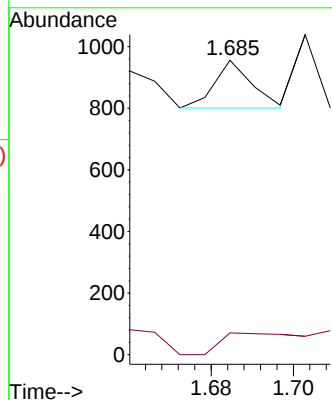
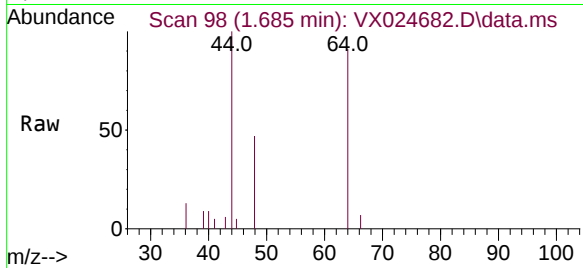




#6
Chloroethane
Concen: 0.364 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

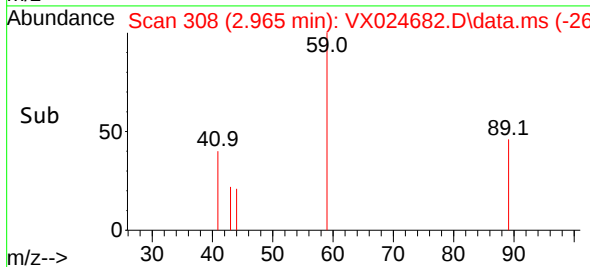
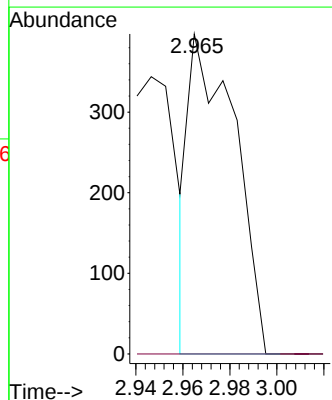
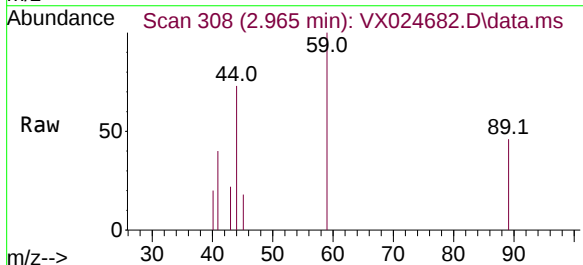
Instrument :
MSVOA_X
ClientSampled :

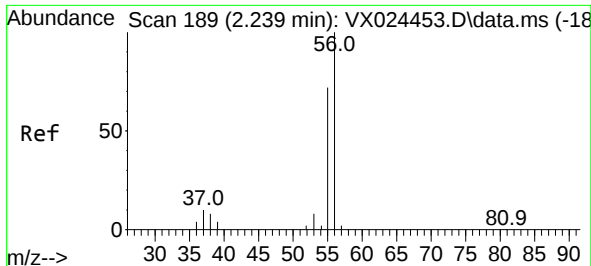
Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 45.8 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 59 Resp: 538
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

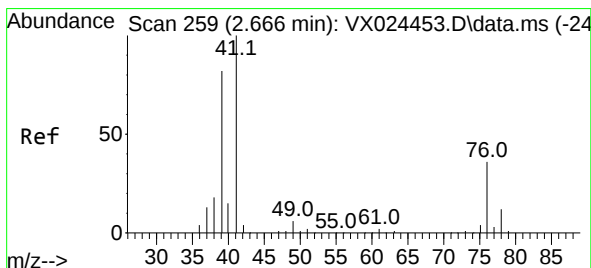
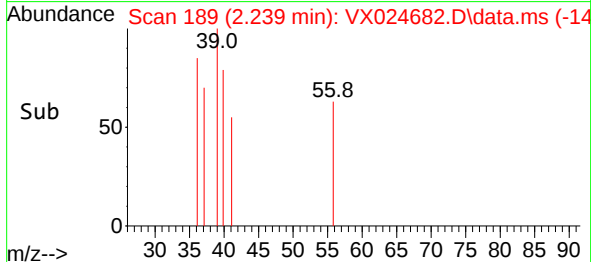
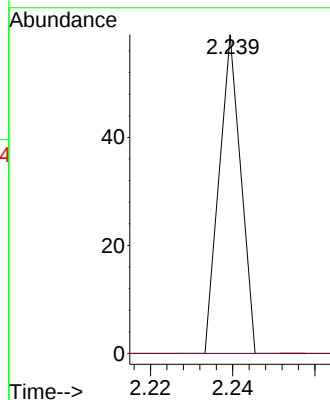
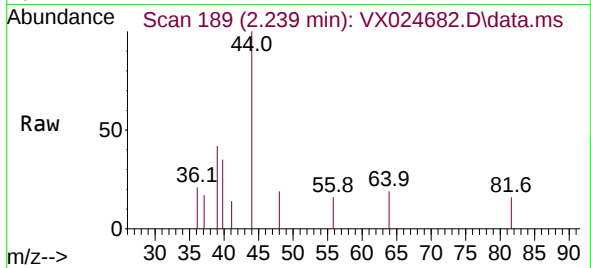




#13
Acrolein
Concen: 10.259 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

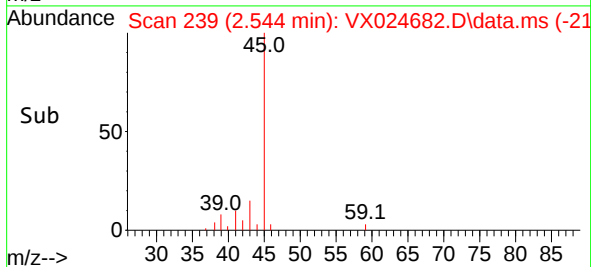
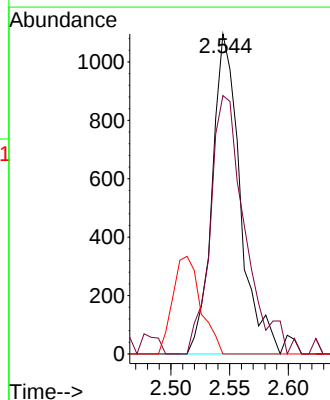
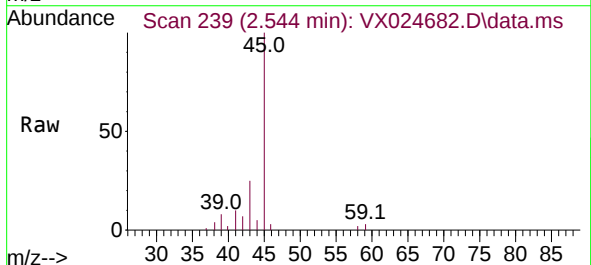
Instrument :
MSVOA_X
ClientSampled :

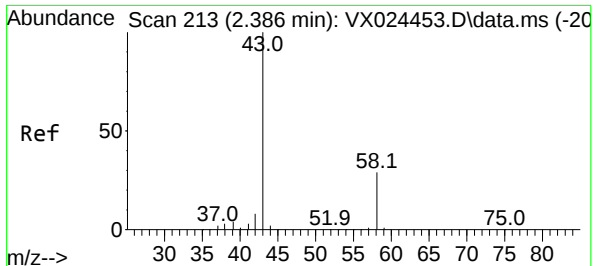
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.786 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 41 Resp: 1816
Ion Ratio Lower Upper
41 100
39 99.7 51.6 77.4#
76 0.0 30.5 45.7#

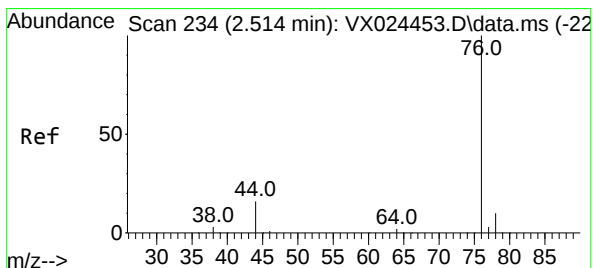
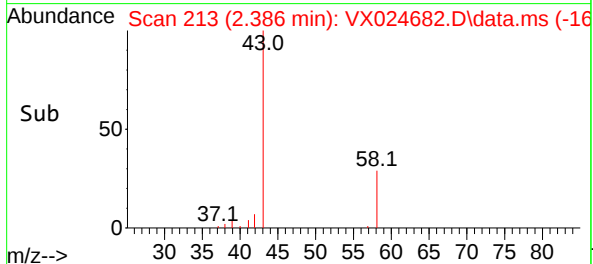
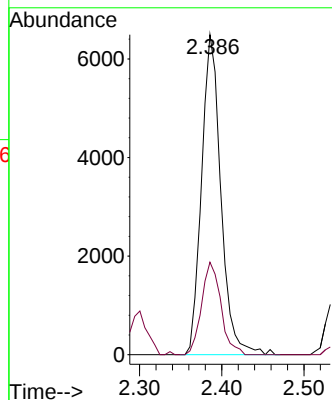
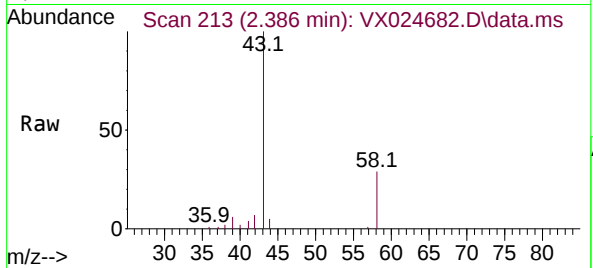




#16
Acetone
Concen: 2.915 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

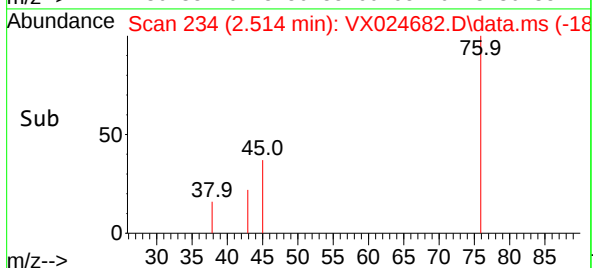
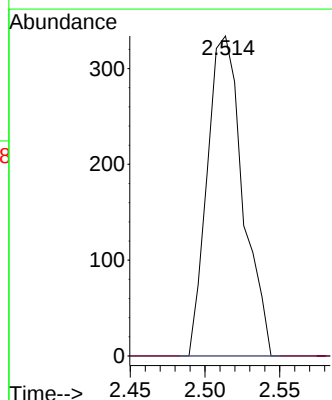
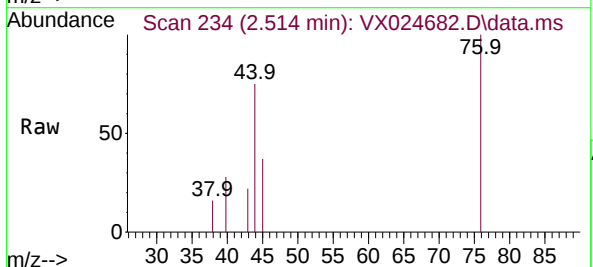
Instrument :
MSVOA_X
ClientSampled :

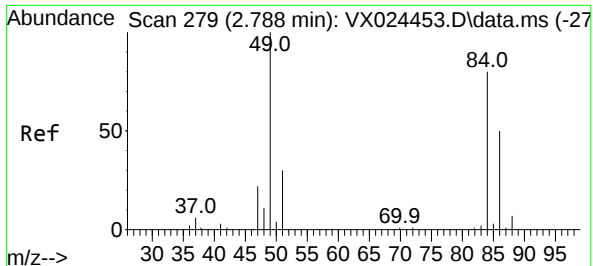
Tgt Ion: 43 Resp: 10607
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.397 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 76 Resp: 553
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 6.528 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024682.D

Acq: 08 Oct 2021 19:54

Tgt Ion: 84 Resp: 10937

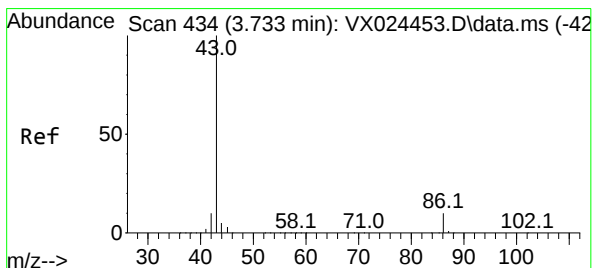
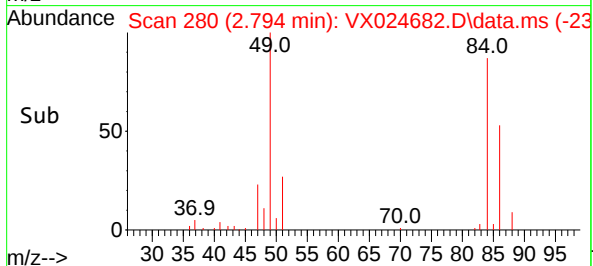
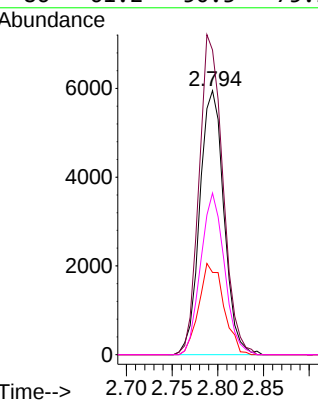
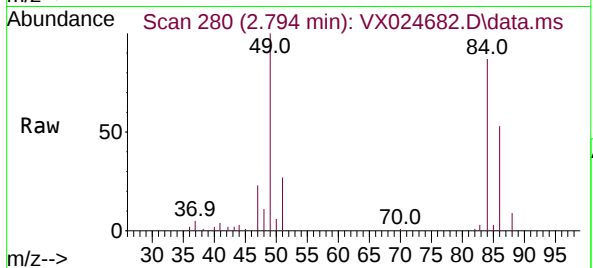
Ion Ratio Lower Upper

84 100

49 115.4 88.6 132.8

51 31.1 27.0 40.6

86 61.2 50.3 75.5



#23

Vinyl Acetate

Concen: 0.584 ug/l

RT: 3.861 min Scan# 455

Delta R.T. 0.128 min

Lab File: VX024682.D

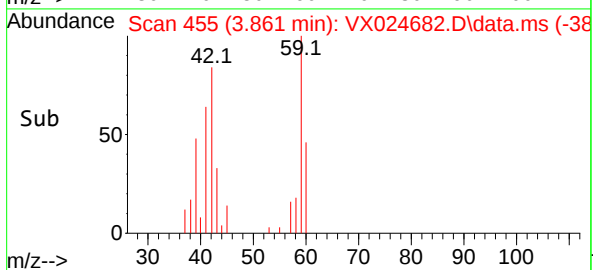
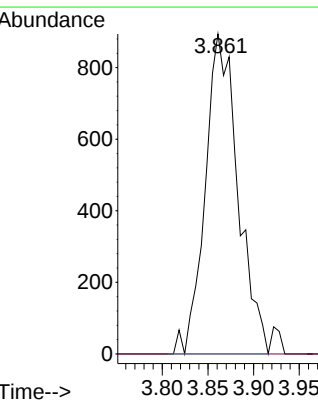
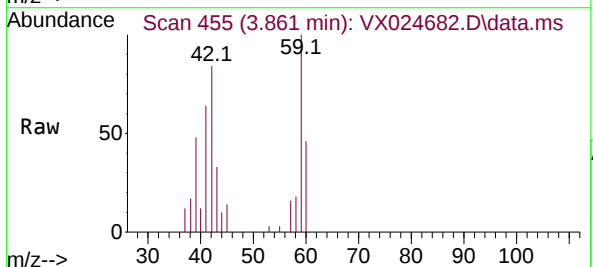
Acq: 08 Oct 2021 19:54

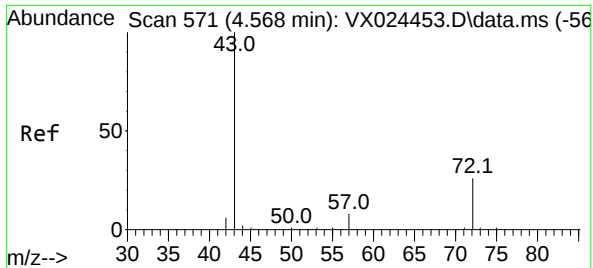
Tgt Ion: 43 Resp: 2232

Ion Ratio Lower Upper

43 100

86 0.0 9.9 14.9#

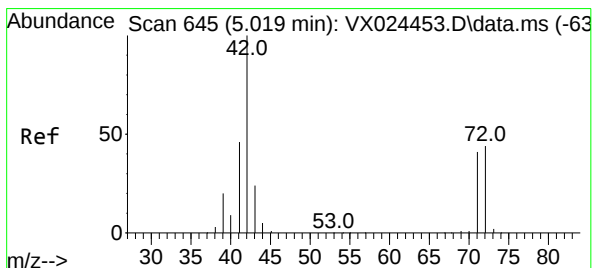
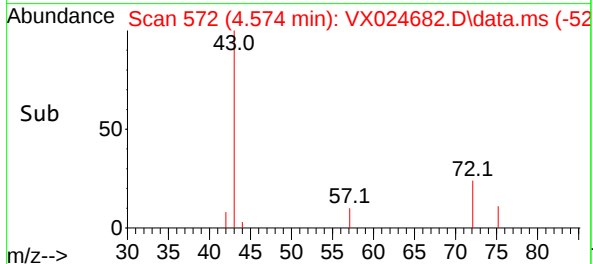
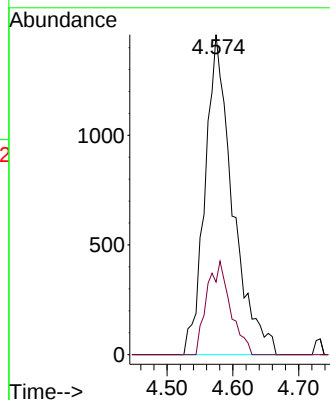
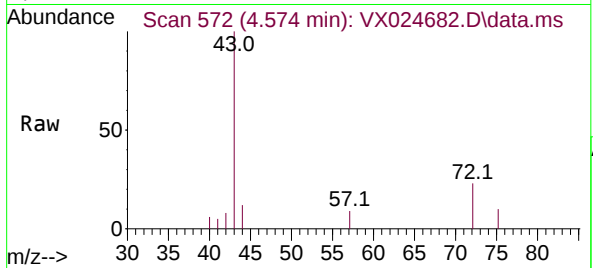




#25
2-Butanone
Concen: 3.186 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

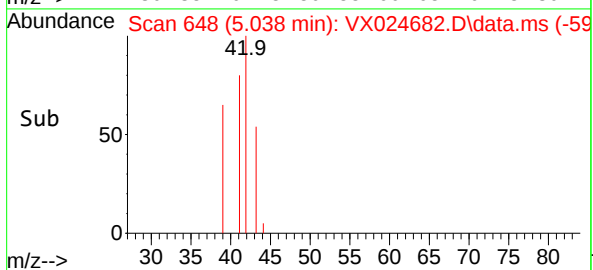
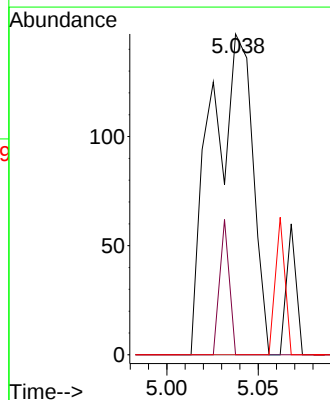
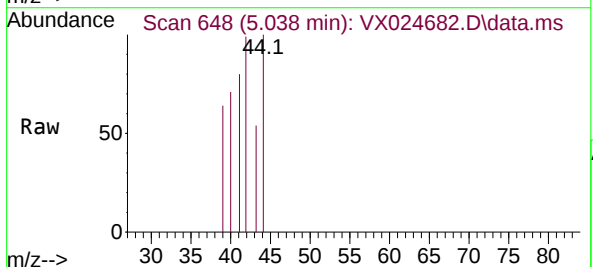
Instrument :
MSVOA_X
ClientSampled :

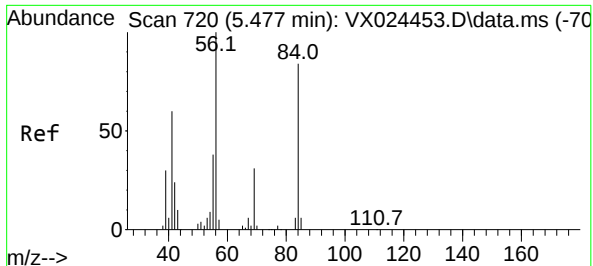
Tgt Ion: 43 Resp: 4263
Ion Ratio Lower Upper
43 100
72 22.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.272 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 42 Resp: 232
Ion Ratio Lower Upper
42 100
72 9.9 41.7 62.5#
71 0.0 38.4 57.6#

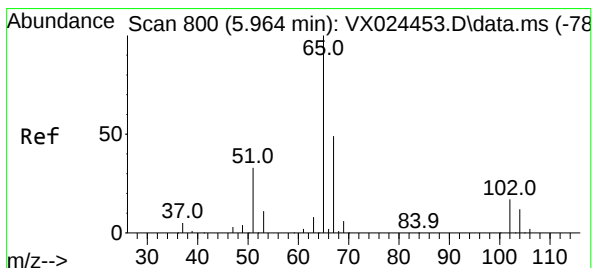
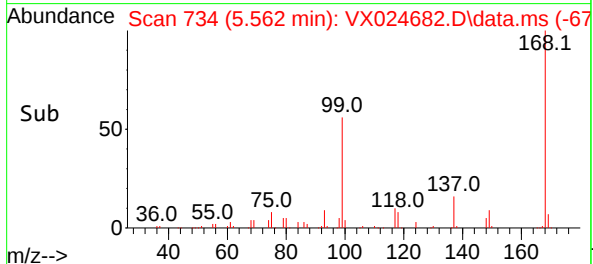
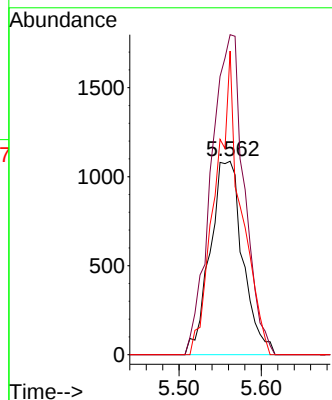
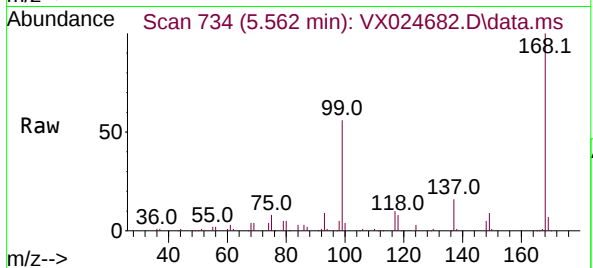




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

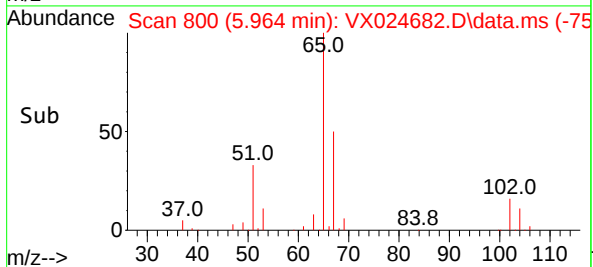
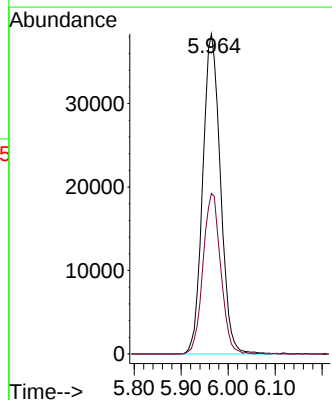
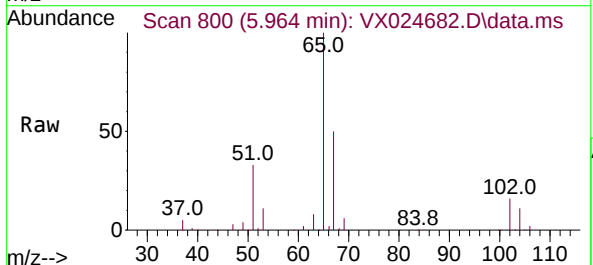
Instrument :
MSVOA_X
ClientSampled :

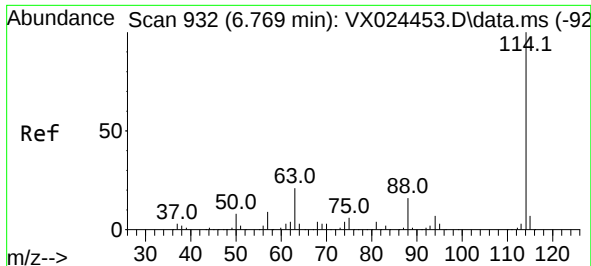
Tgt Ion: 56 Resp: 3004
Ion Ratio Lower Upper
56 100
69 165.4 25.3 37.9#
84 156.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.670 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 65 Resp: 100399
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

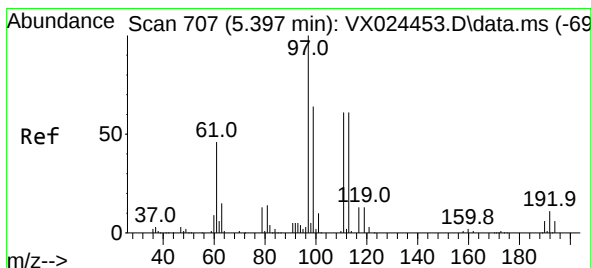
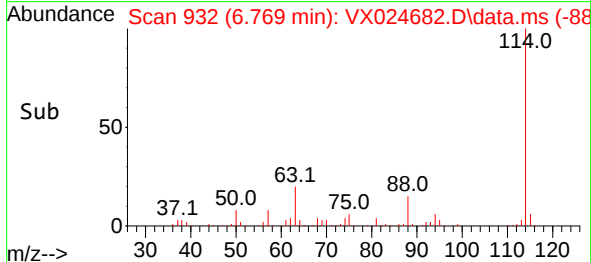
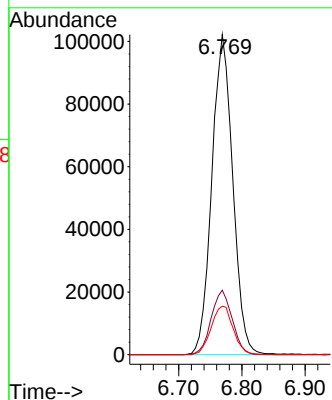
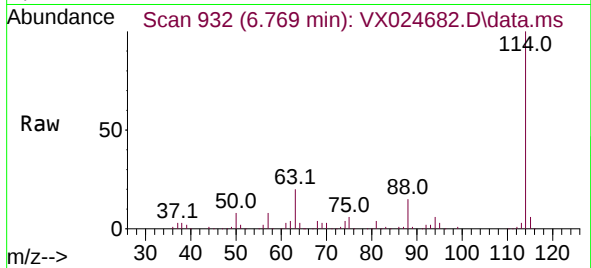




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

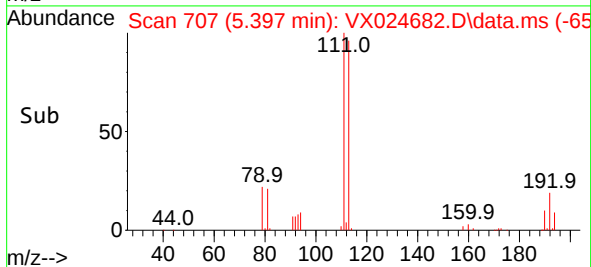
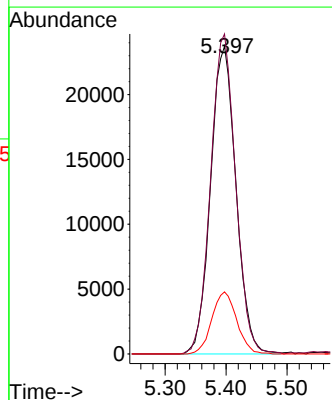
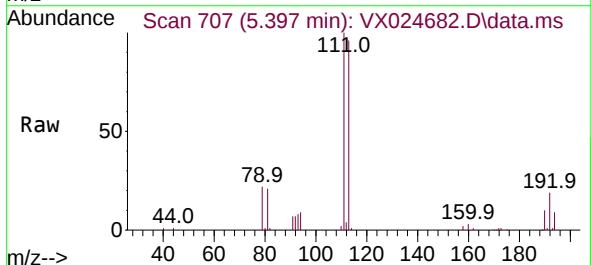
Instrument :
MSVOA_X
ClientSampled :

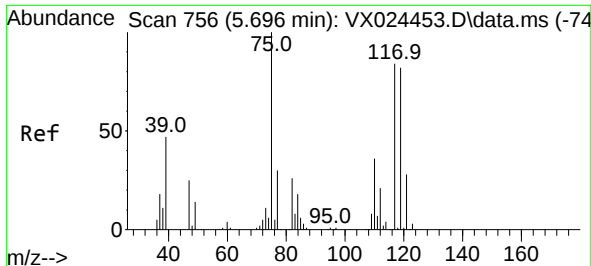
Tgt Ion:114 Resp: 234390
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 44.062 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

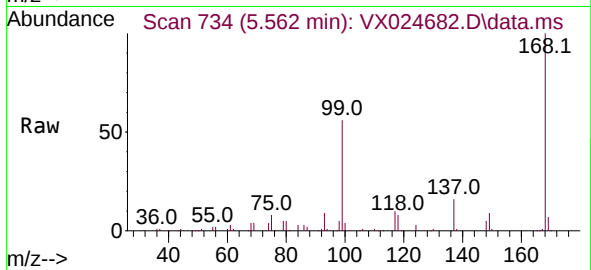
Tgt Ion:113 Resp: 68610
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.8 16.7 25.1



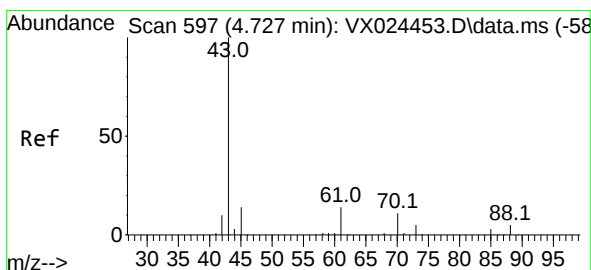
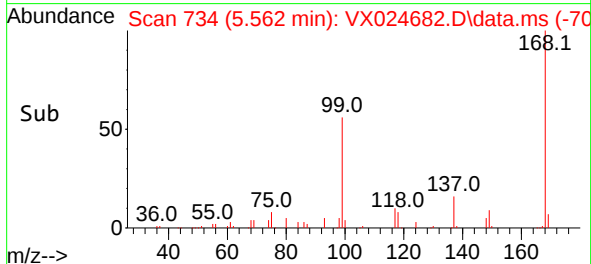
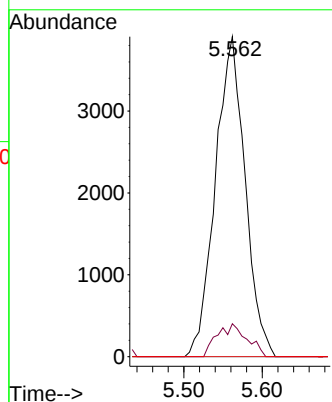


#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Instrument :
MSVOA_X
ClientSampled :

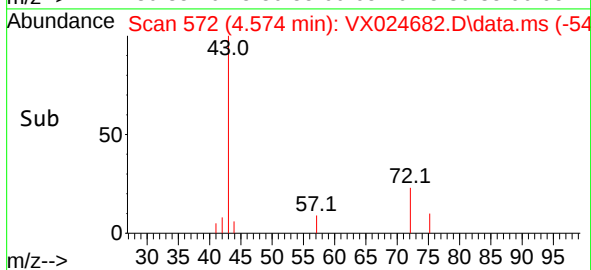
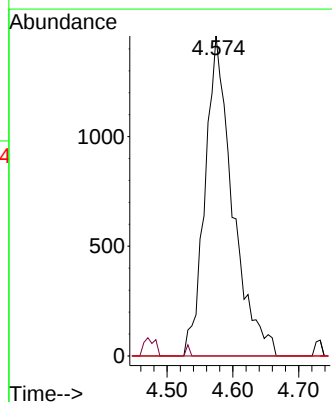
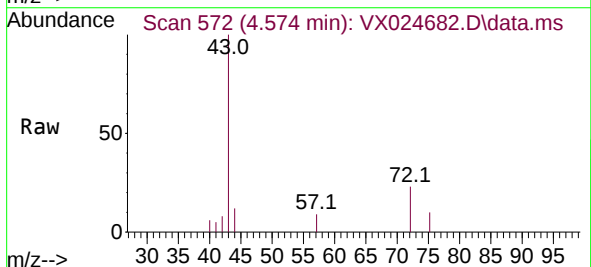


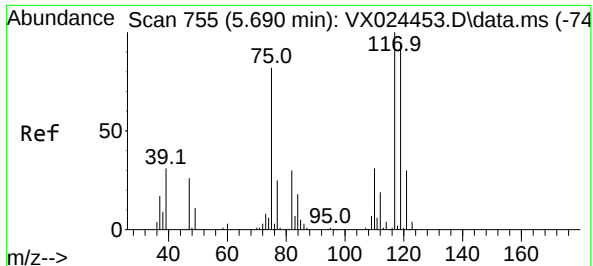
Tgt Ion: 75 Resp: 10314
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.520 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

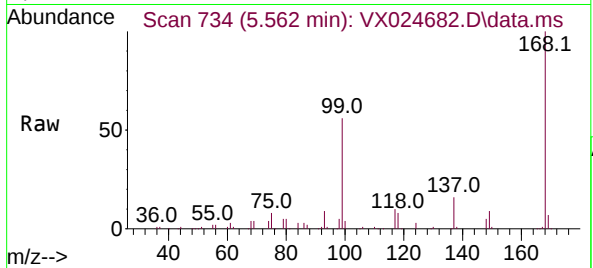
Tgt Ion: 43 Resp: 4263
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



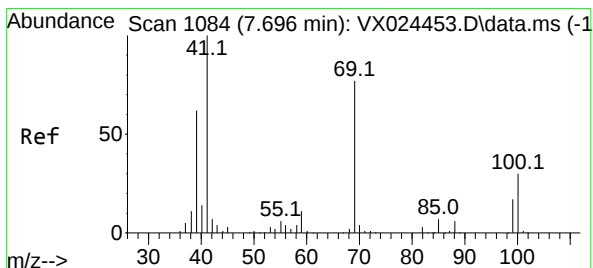
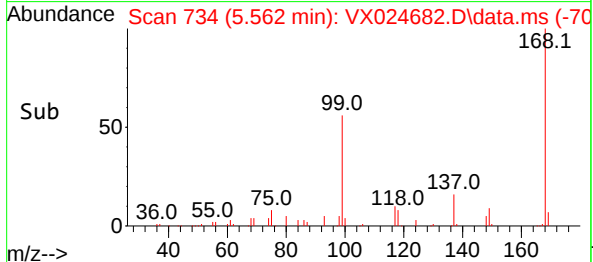
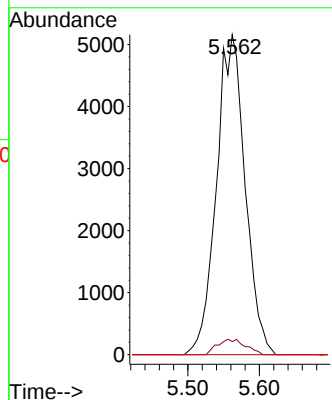


#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Instrument :
MSVOA_X
ClientSampled :

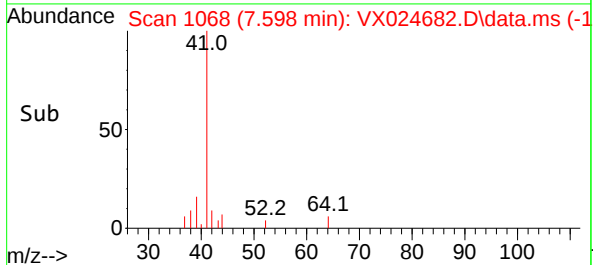
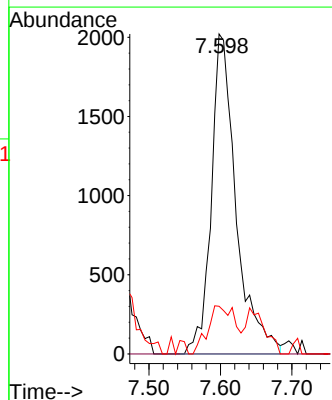
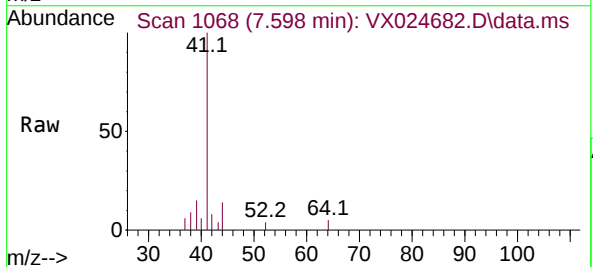


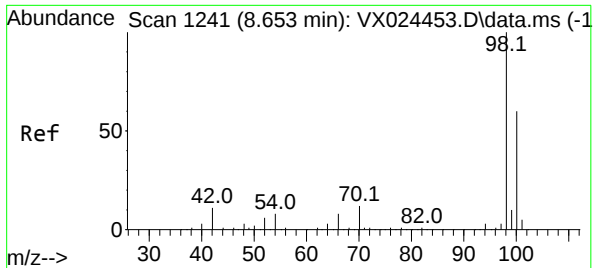
Tgt Ion:117 Resp: 14361
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 2.306 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 41 Resp: 4870
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 16.4 44.6 67.0#





#50

Toluene-d8

Concen: 49.862 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024682.D

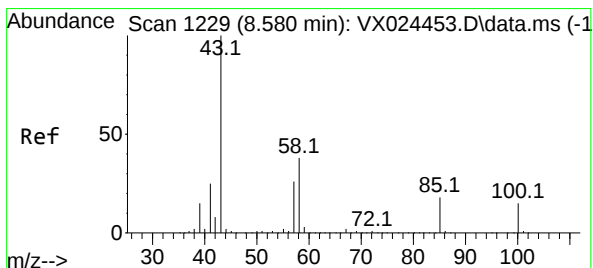
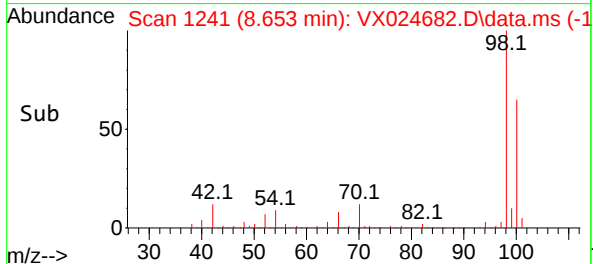
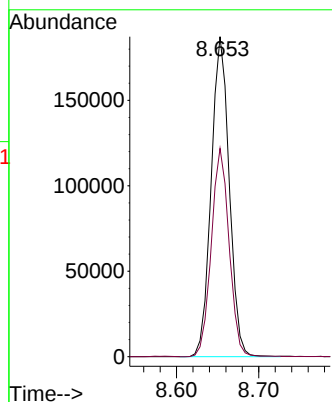
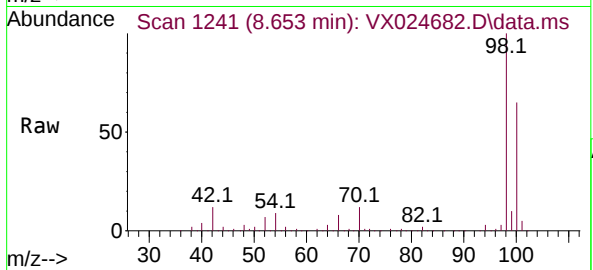
Acq: 08 Oct 2021 19:54

Tgt Ion: 98 Resp: 285759

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.957 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX024682.D

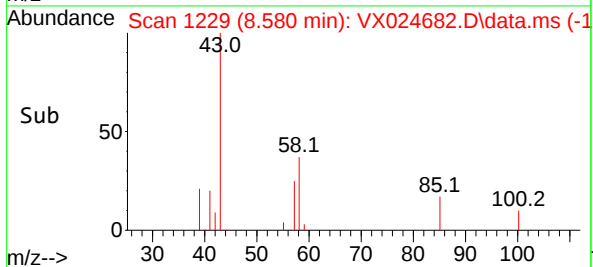
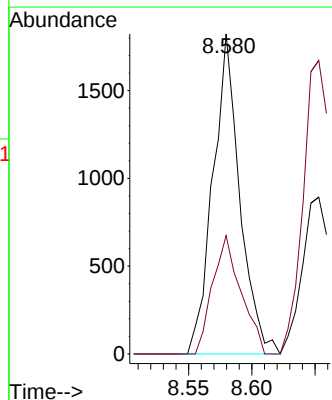
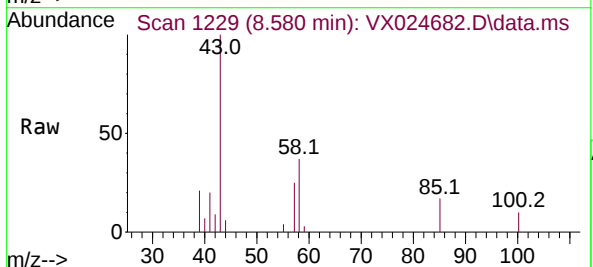
Acq: 08 Oct 2021 19:54

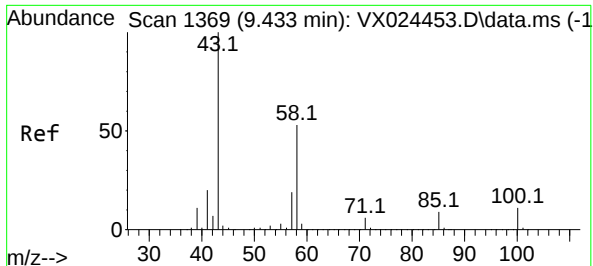
Tgt Ion: 43 Resp: 2694

Ion Ratio Lower Upper

43 100

58 39.0 35.4 53.0

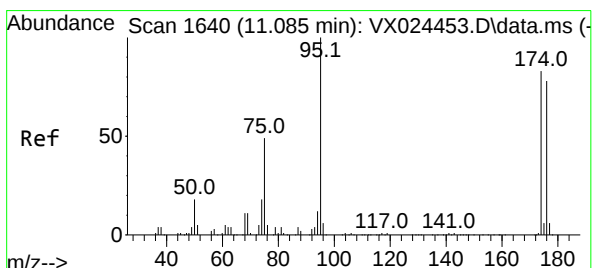
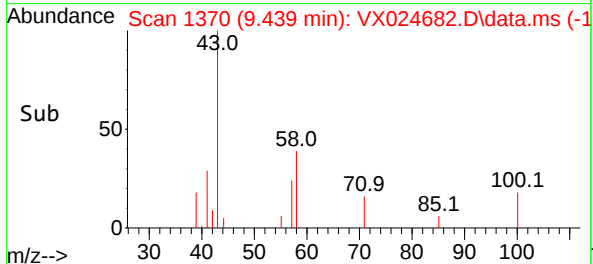
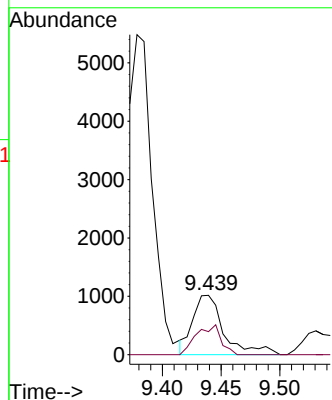
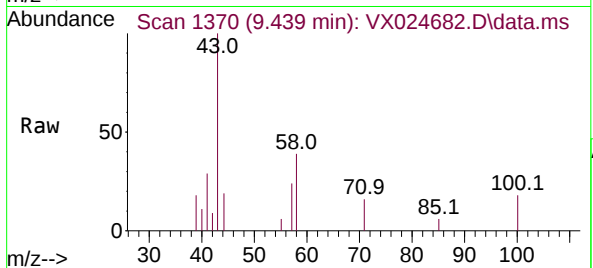




#59
2-Hexanone
Concen: 0.845 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

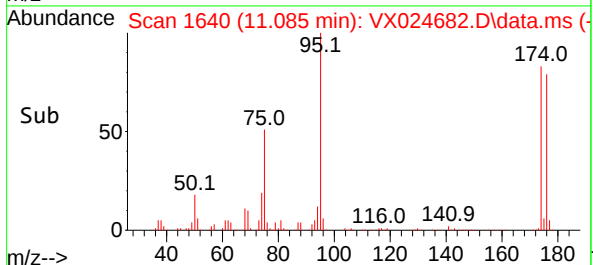
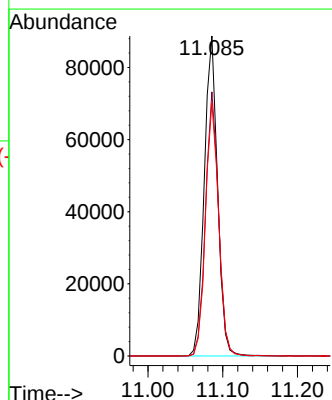
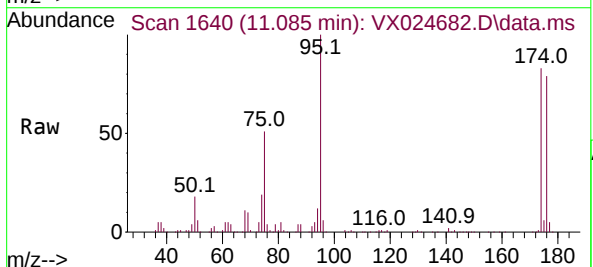
Instrument :
MSVOA_X
ClientSampled :

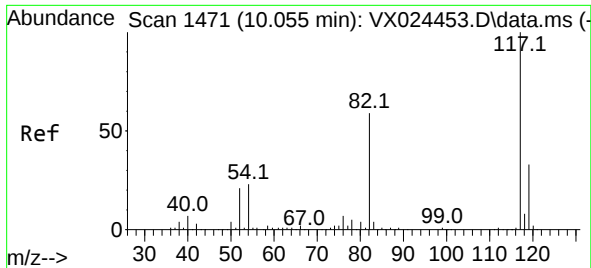
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
58 39.8 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 48.472 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 95 Resp: 109222
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 78.7 0.0 155.8

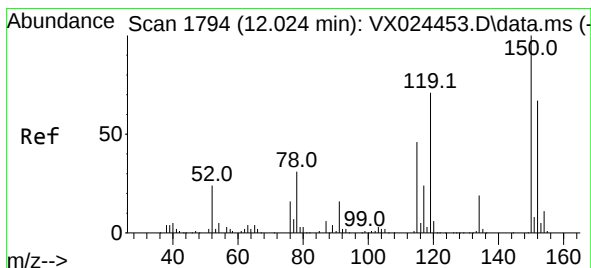
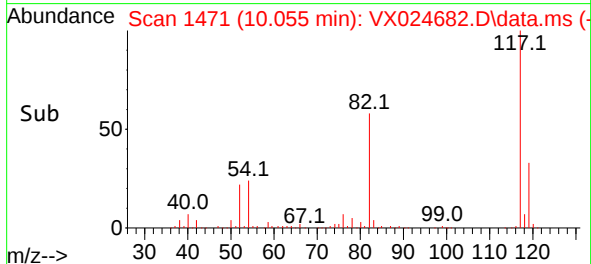
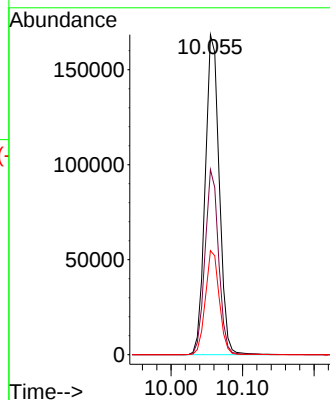
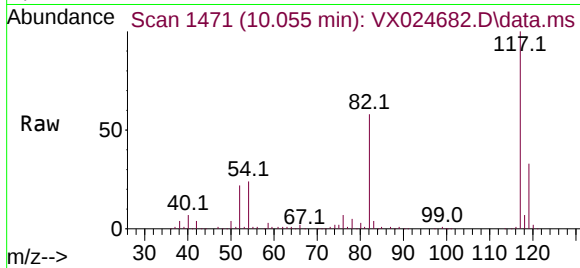




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

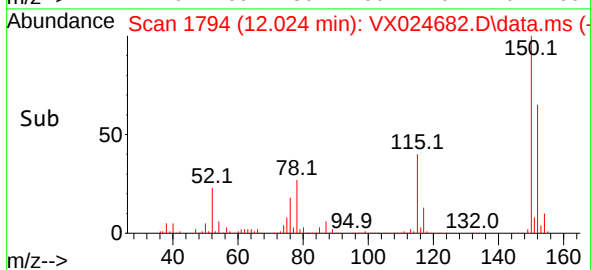
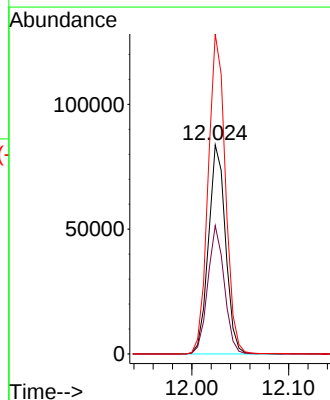
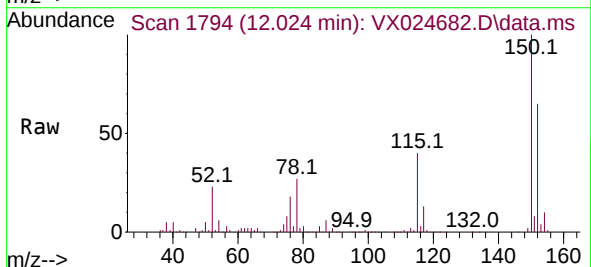
Instrument :
MSVOA_X
ClientSampled :

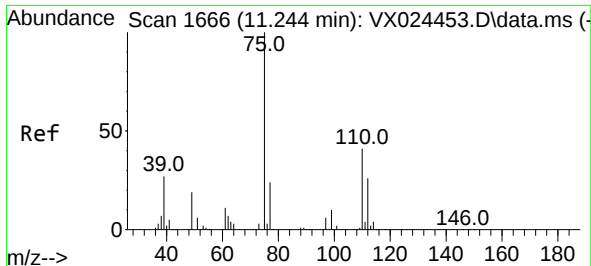
Tgt Ion:117 Resp: 230072
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion:152 Resp: 102608
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 154.9 0.0 349.0

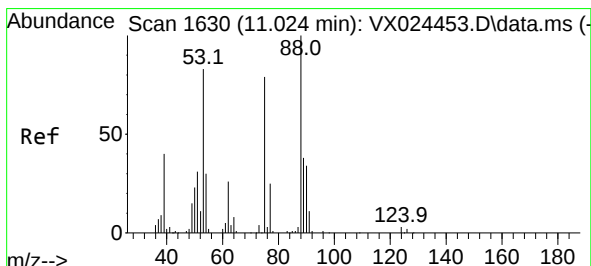
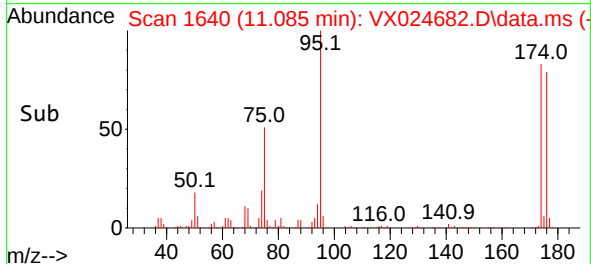
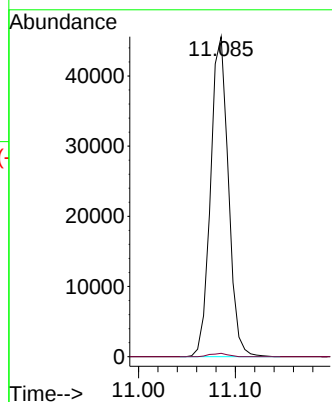
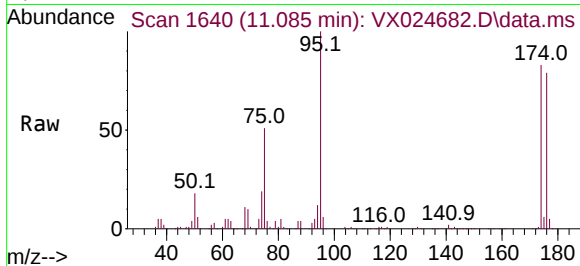




#76
1,2,3-Trichloropropane
Concen: 25.057 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 58386
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.324 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024682.D
Acq: 08 Oct 2021 19:54

Tgt Ion: 75 Resp: 58386
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

