

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034570.D
 Acq On : 17 Mar 2023 07:35
 Operator : JC/MD
 Sample : 01907-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33960

Quant Time: Mar 17 08:34:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

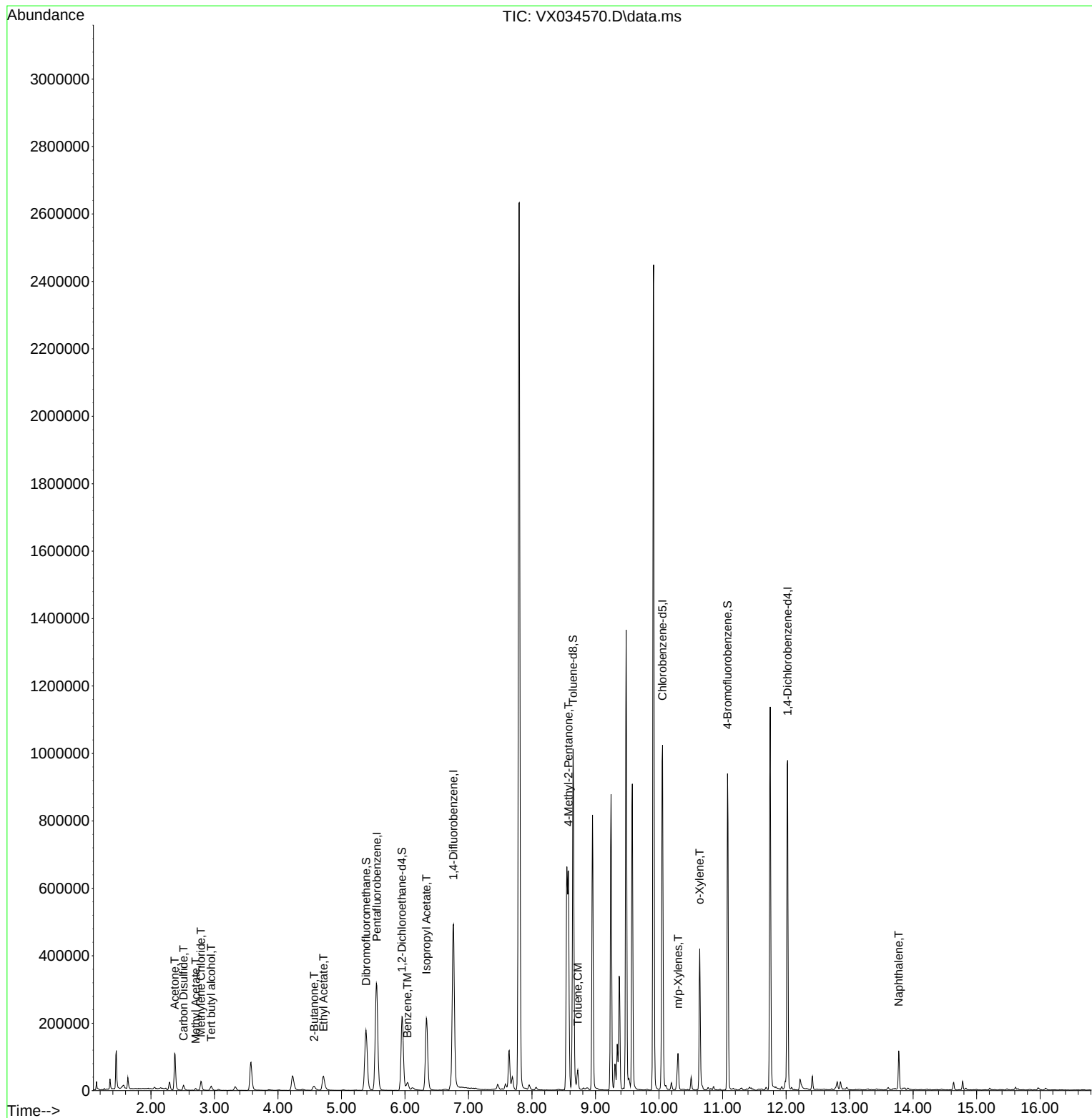
Internal Standards						
1) Pentafluorobenzene	5.556	168	279976	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	477234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	441957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	220376	54.105	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.220%			
35) Dibromofluoromethane	5.385	113	153110	48.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	8.647	98	577831	49.124	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.240%			
62) 4-Bromofluorobenzene	11.079	95	247390	52.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.140%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	9915	11.690	ug/l #	90
16) Acetone	2.374	43	117124	61.046	ug/l	96
17) Carbon Disulfide	2.514	76	15959	1.850	ug/l	98
18) Methyl Acetate	2.703	43	6987	1.115	ug/l	95
20) Methylene Chloride	2.788	84	12327	3.310	ug/l	95
25) 2-Butanone	4.568	43	20342	7.410	ug/l	97
37) Ethyl Acetate	4.715	43	76351	14.441	ug/l	99
40) Benzene	6.038	78	26354	1.861	ug/l	96
43) Isopropyl Acetate	6.336	43	297084	33.169	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	581664	111.946	ug/l #	79
52) Toluene	8.720	92	19439	2.218	ug/l	95
68) m/p-Xylenes	10.299	106	22817	3.422	ug/l	100
69) o-Xylene	10.640	106	39135	5.848	ug/l	99
95) Naphthalene	13.774	128	67891	4.688	ug/l	100

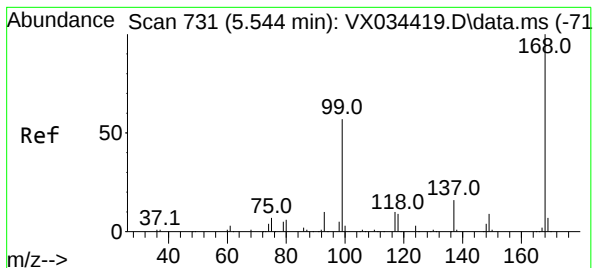
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.012 min

Lab File: VX034570.D

Acq: 17 Mar 2023 07:35

Instrument :

MSVOA_X

ClientSampleId :

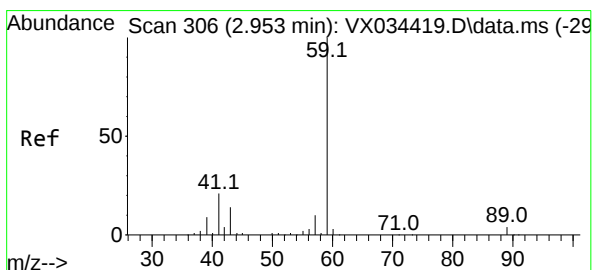
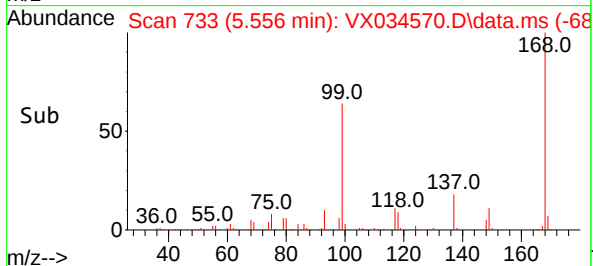
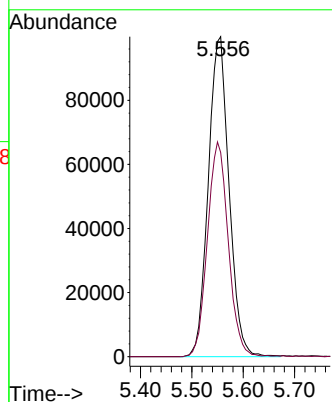
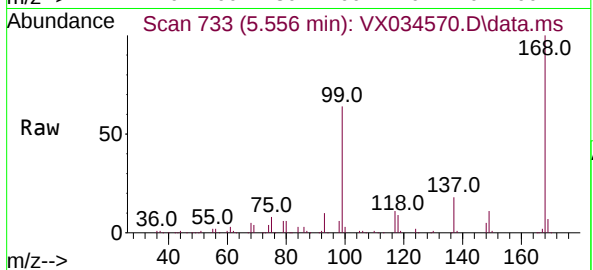
33960

Tgt Ion:168 Resp: 279976

Ion Ratio Lower Upper

168 100

99 63.8 45.7 68.5



#11

Tert butyl alcohol

Concen: 11.690 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX034570.D

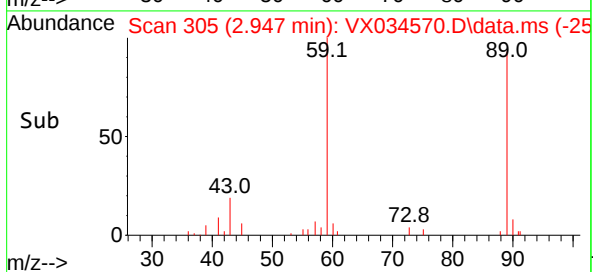
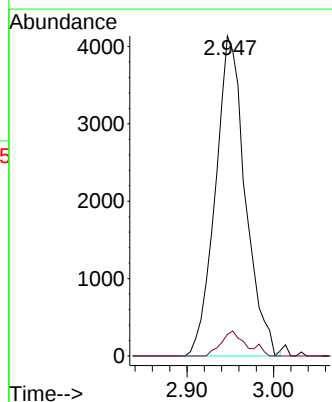
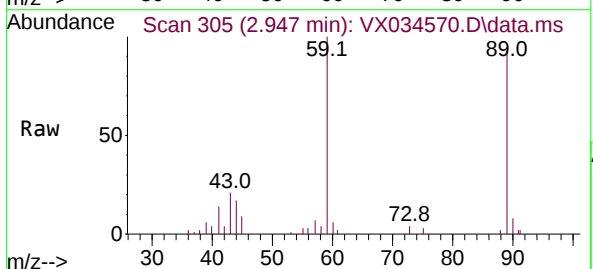
Acq: 17 Mar 2023 07:35

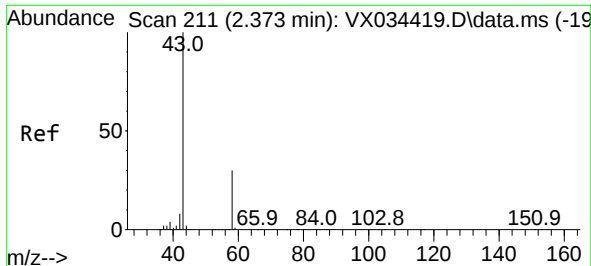
Tgt Ion: 59 Resp: 9915

Ion Ratio Lower Upper

59 100

57 6.6 8.1 12.1#

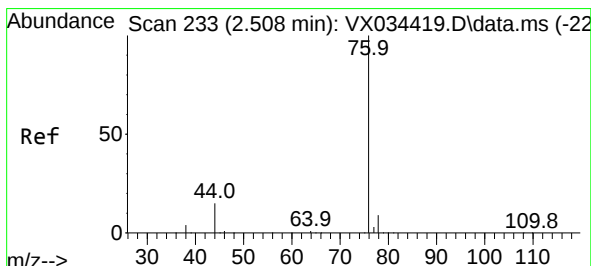
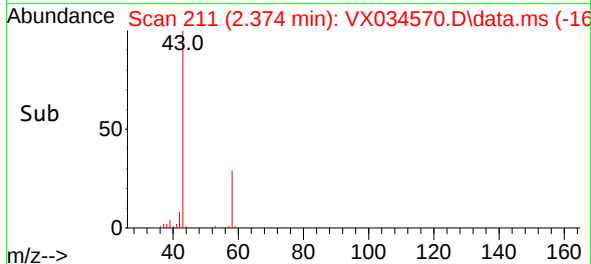
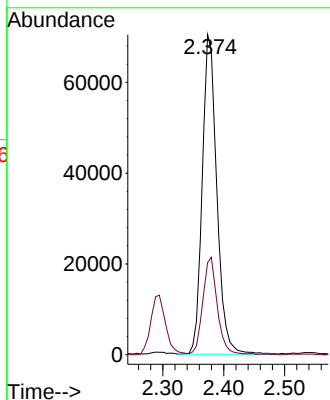
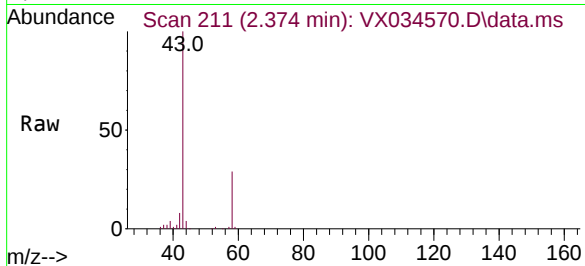




#16
Acetone
Concen: 61.046 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

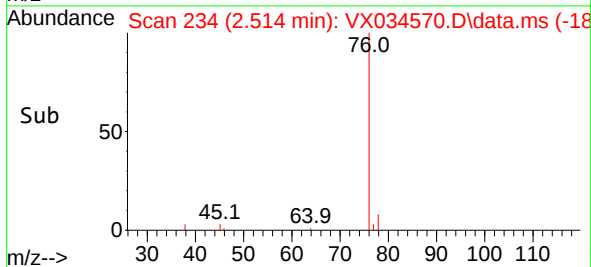
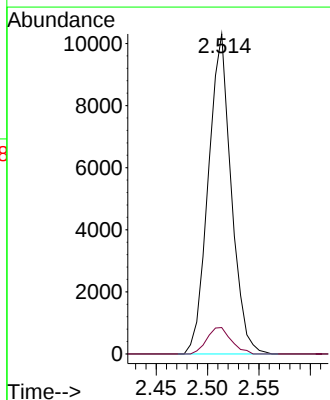
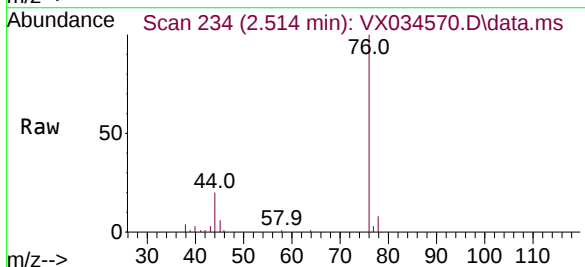
Instrument :
MSVOA_X
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33960

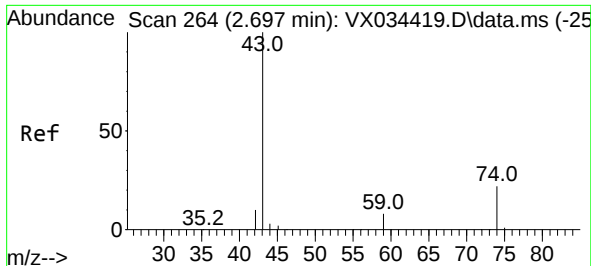
Tgt Ion: 43 Resp: 117124
Ion Ratio Lower Upper
43 100
58 28.9 24.7 37.1



#17
Carbon Disulfide
Concen: 1.850 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion: 76 Resp: 15959
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

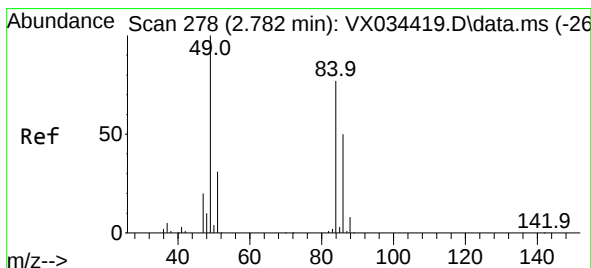
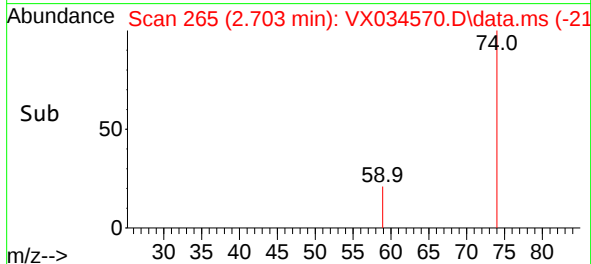
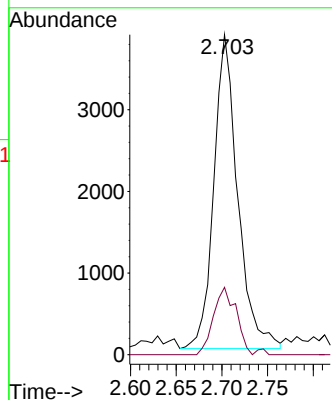
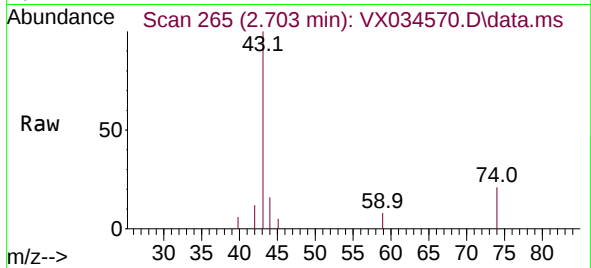




#18
Methyl Acetate
Concen: 1.115 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

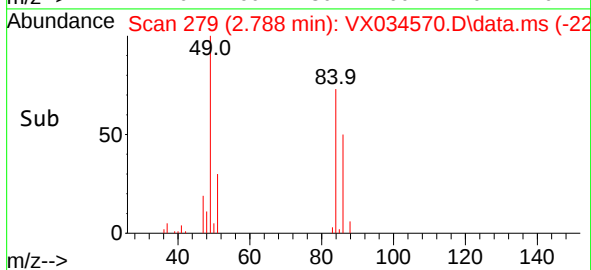
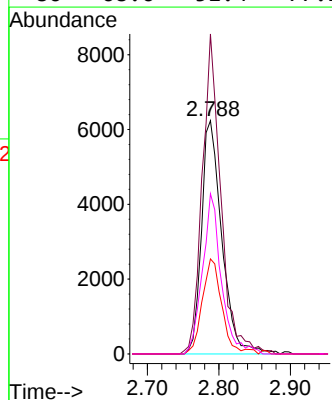
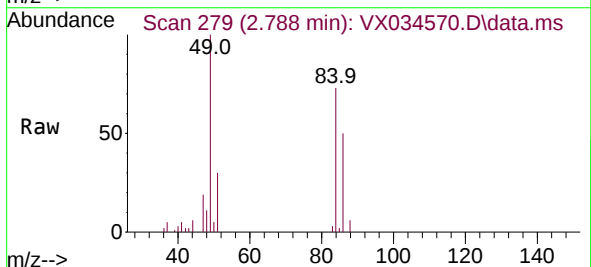
Instrument :
MSVOA_X
ClientSampleId :
33960

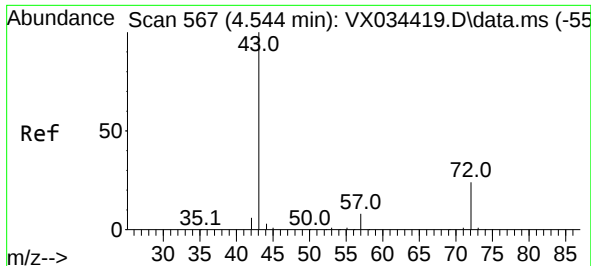
Tgt Ion: 43 Resp: 6987
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



#20
Methylene Chloride
Concen: 3.310 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion: 84 Resp: 12327
Ion Ratio Lower Upper
84 100
49 137.1 103.8 155.8
51 40.7 31.8 47.8
86 68.6 51.4 77.2

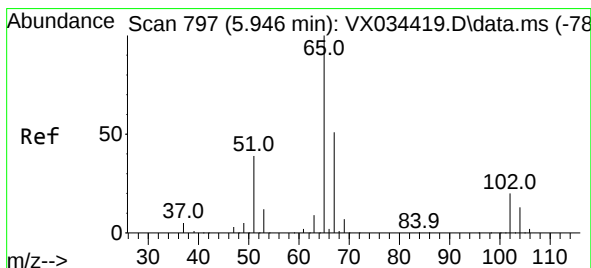
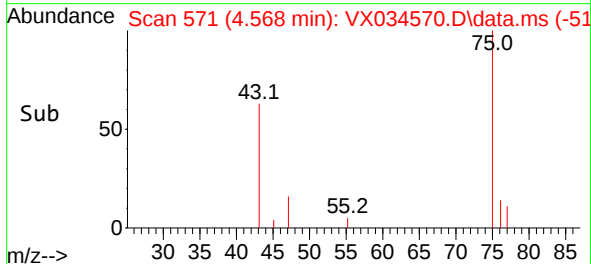
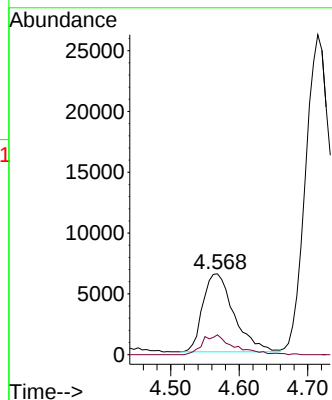
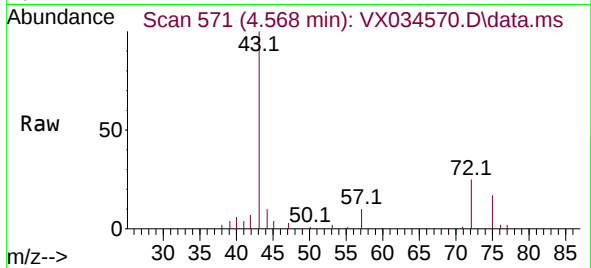




#25
2-Butanone
Concen: 7.410 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

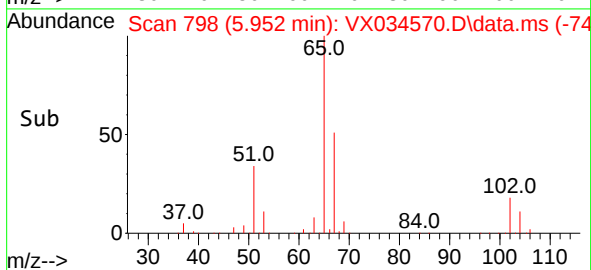
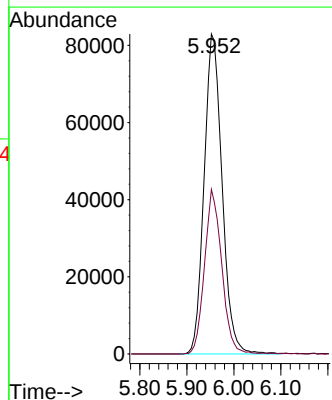
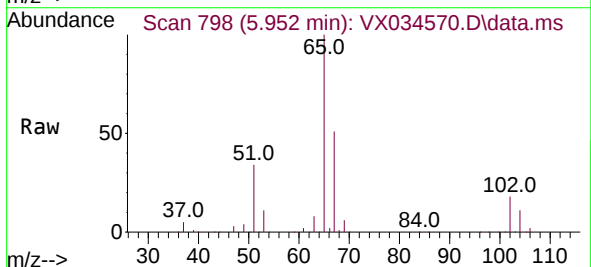
Instrument :
MSVOA_X
ClientSampleId :
33960

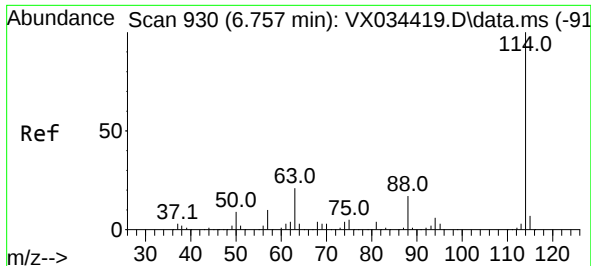
Tgt Ion: 43 Resp: 20342
Ion Ratio Lower Upper
43 100
72 25.4 19.3 28.9



#33
1,2-Dichloroethane-d4
Concen: 54.105 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion: 65 Resp: 220376
Ion Ratio Lower Upper
65 100
67 49.2 0.0 104.0

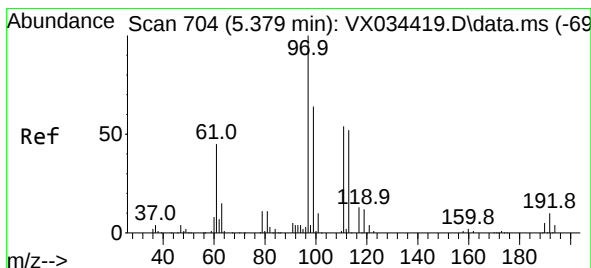
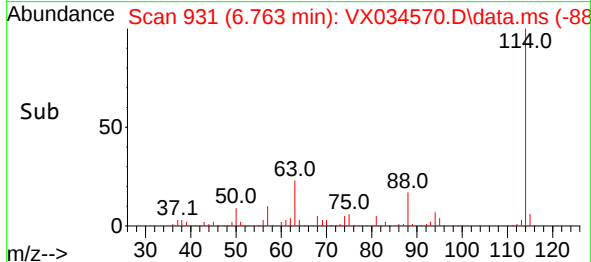
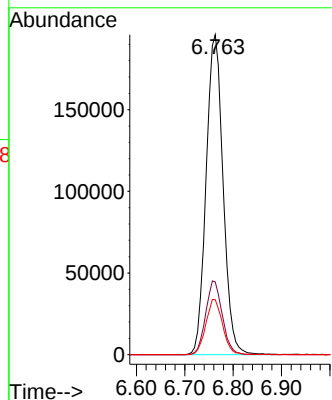
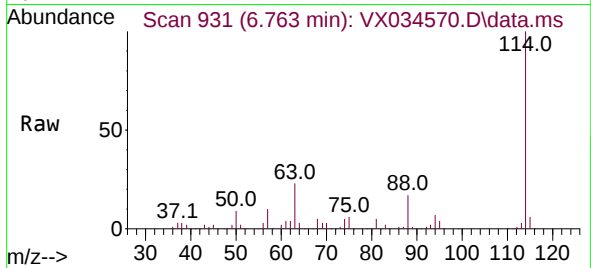




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

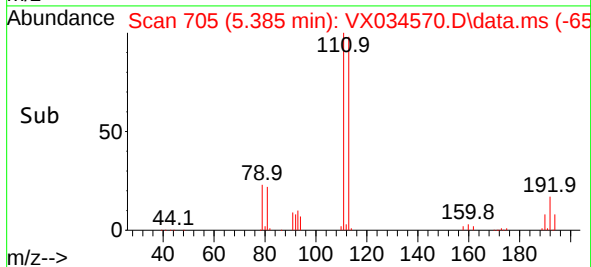
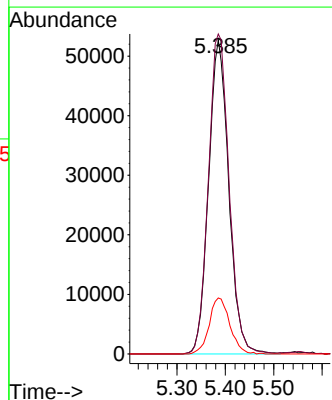
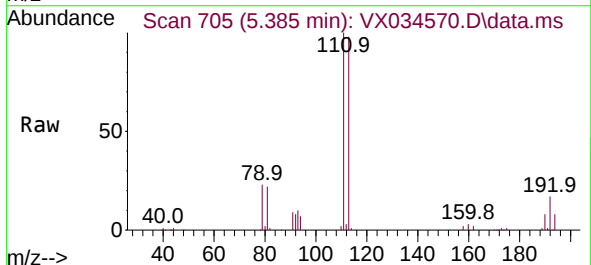
Instrument :
MSVOA_X
ClientSampleId :
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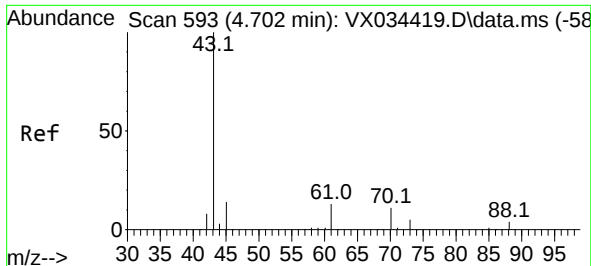
Tgt Ion:114 Resp: 477234
Ion Ratio Lower Upper
114 100
63 22.7 0.0 42.2
88 17.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.592 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion:113 Resp: 153110
Ion Ratio Lower Upper
113 100
111 104.3 83.7 125.5
192 18.2 15.4 23.2





#37

Ethyl Acetate

Concen: 14.441 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034570.D

Acq: 17 Mar 2023 07:35

Instrument :

MSVOA_X

ClientSampleId :

33960

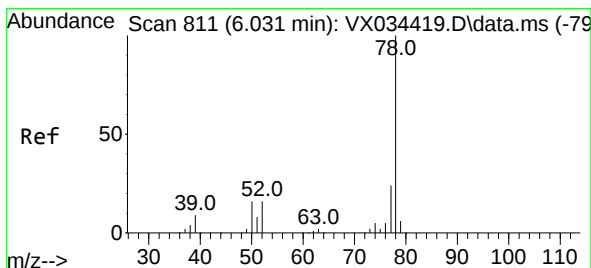
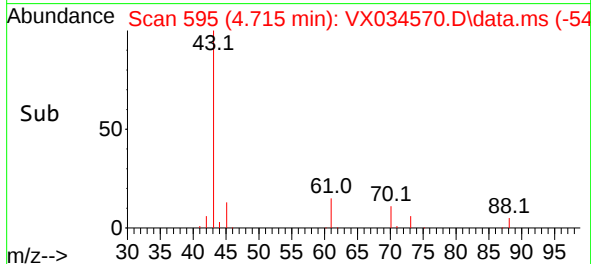
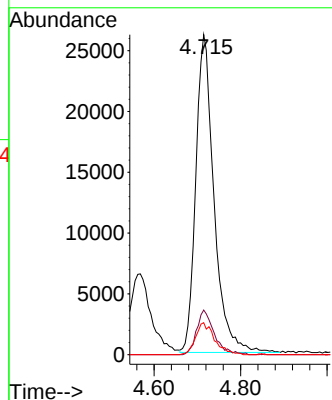
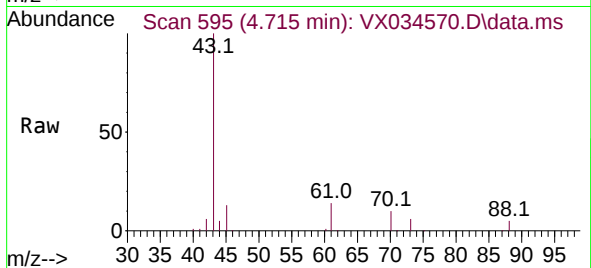
Tgt Ion: 43 Resp: 76351

Ion Ratio Lower Upper

43 100

61 13.5 10.2 15.4

70 10.5 8.2 12.4



#40

Benzene

Concen: 1.861 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX034570.D

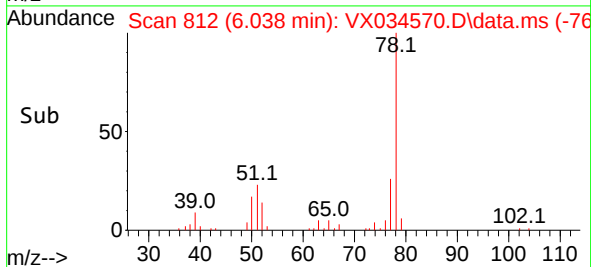
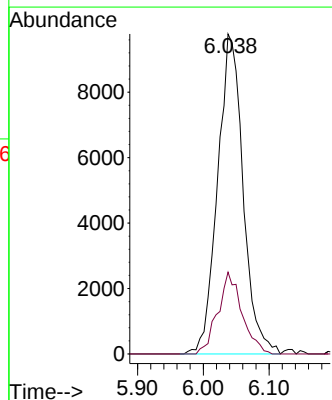
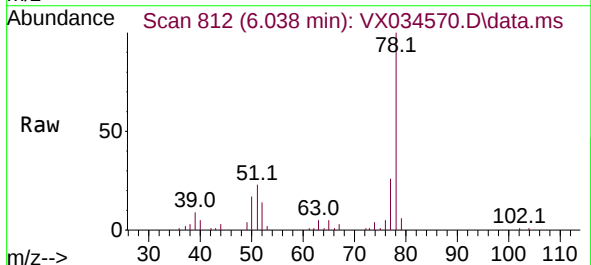
Acq: 17 Mar 2023 07:35

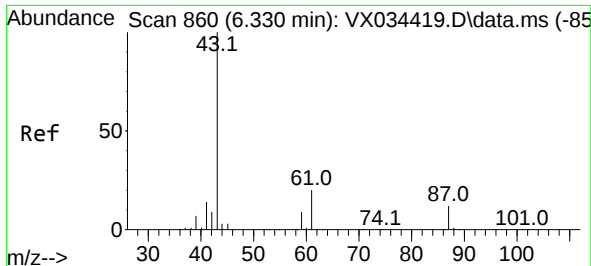
Tgt Ion: 78 Resp: 26354

Ion Ratio Lower Upper

78 100

77 25.6 19.0 28.4





#43

Isopropyl Acetate

Concen: 33.169 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX034570.D

Acq: 17 Mar 2023 07:35

Instrument :

MSVOA_X

ClientSampleId :

33960

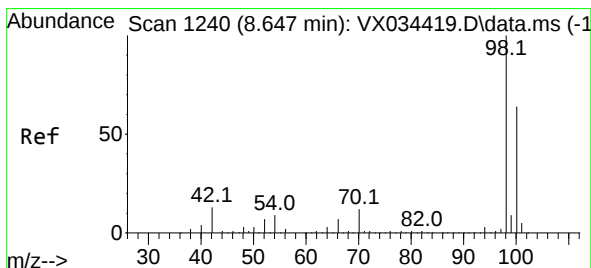
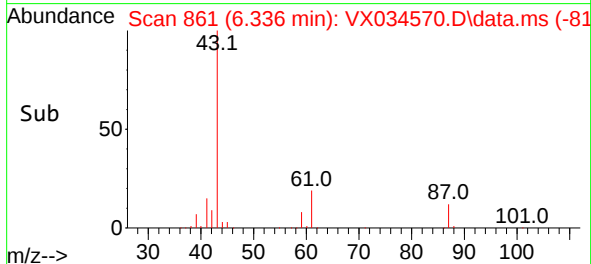
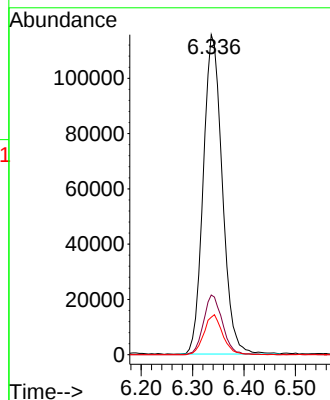
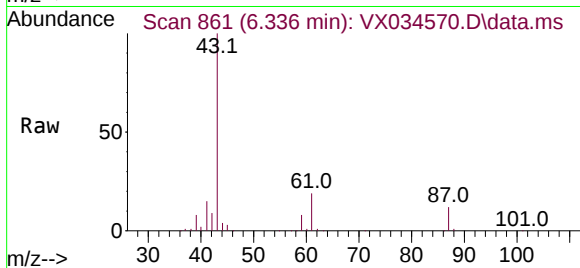
Tgt Ion: 43 Resp: 297084

Ion Ratio Lower Upper

43 100

61 18.5 15.2 22.8

87 12.2 9.8 14.8



#50

Toluene-d8

Concen: 49.124 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034570.D

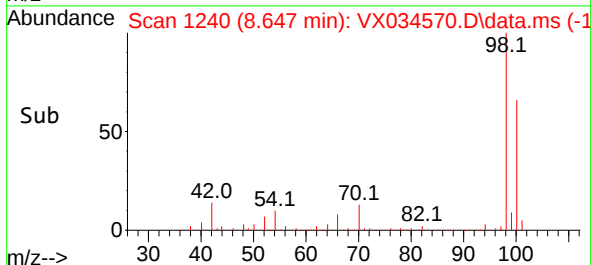
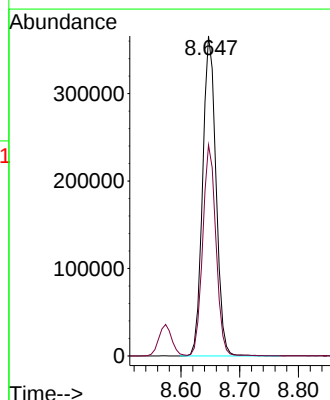
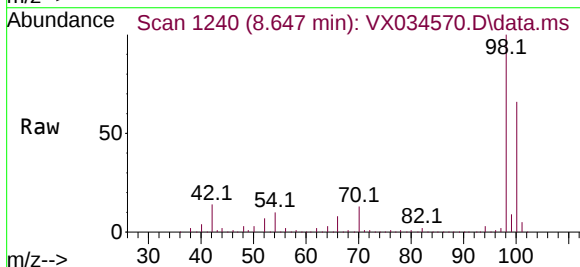
Acq: 17 Mar 2023 07:35

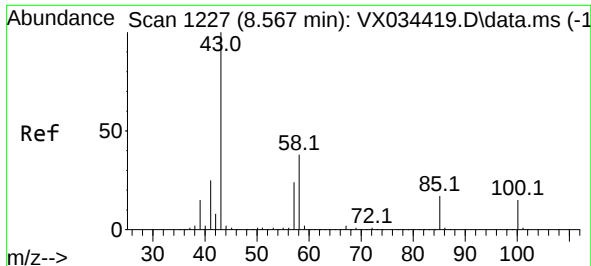
Tgt Ion: 98 Resp: 577831

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

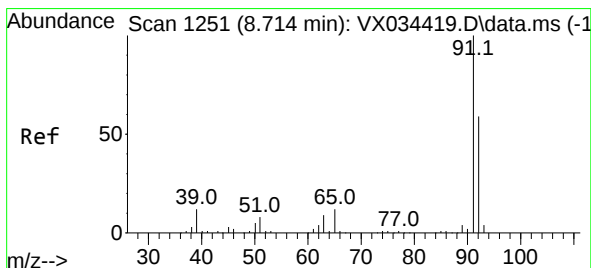
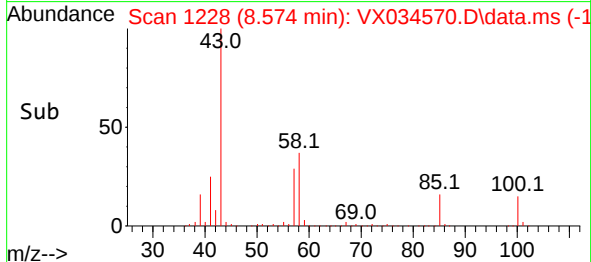
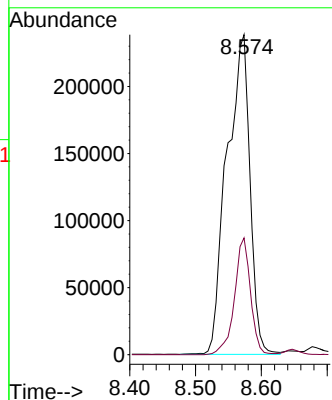
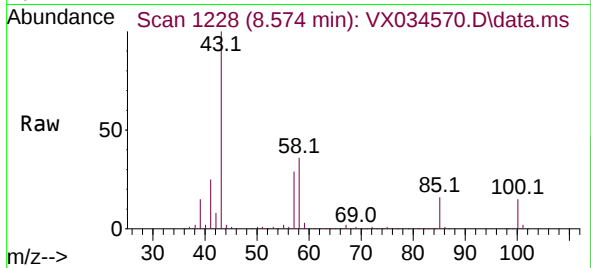




#51
4-Methyl-2-Pentanone
Concen: 111.946 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

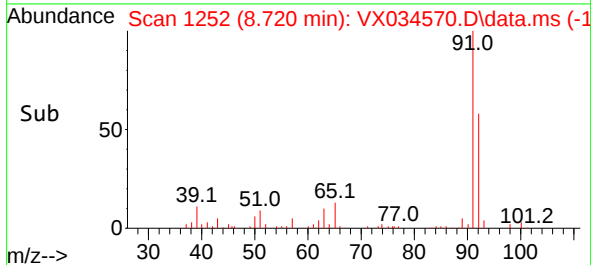
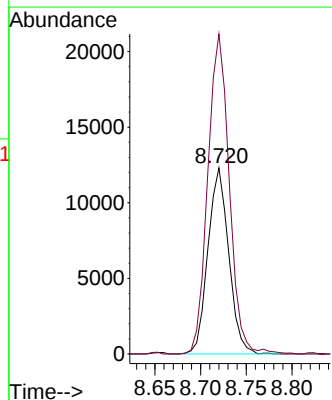
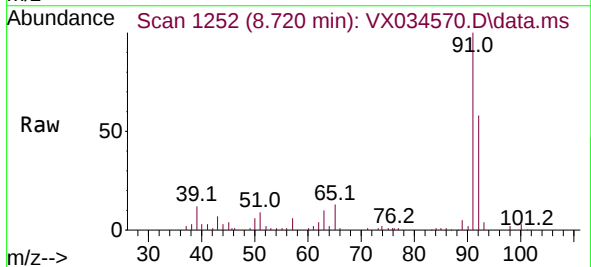
Instrument :
MSVOA_X
ClientSampleId :
33960

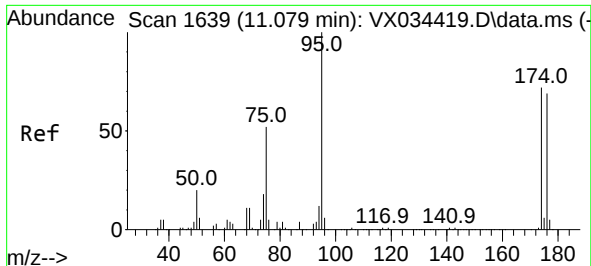
Tgt Ion: 43 Resp: 581664
Ion Ratio Lower Upper
43 100
58 25.5 30.6 46.0#



#52
Toluene
Concen: 2.218 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion: 92 Resp: 19439
Ion Ratio Lower Upper
92 100
91 177.8 136.8 205.2

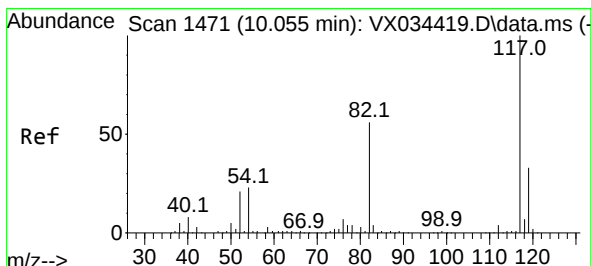
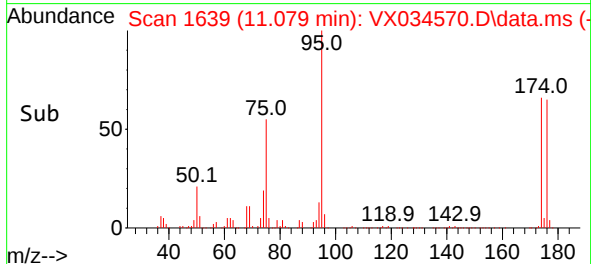
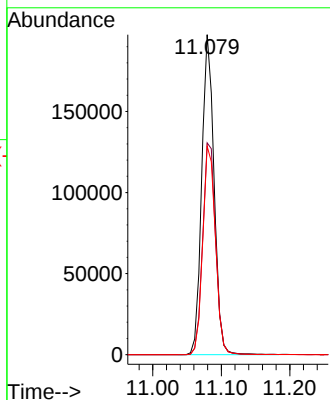
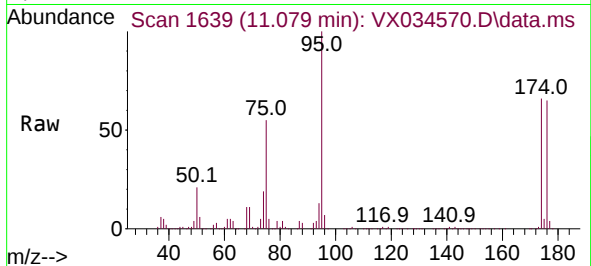




#62
4-Bromofluorobenzene
Concen: 52.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

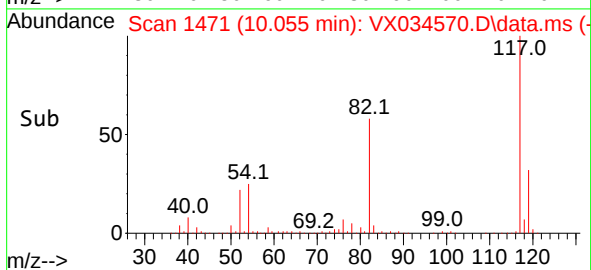
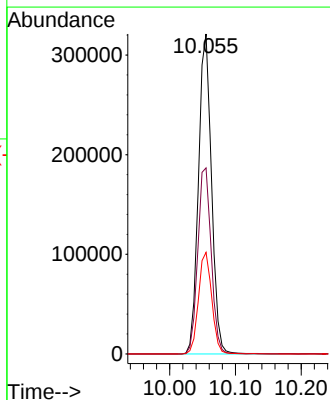
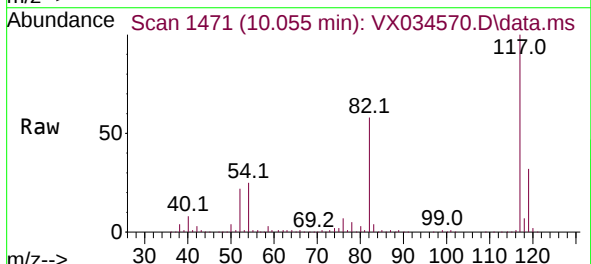
Instrument :
MSVOA_X
ClientSampleId :
33960

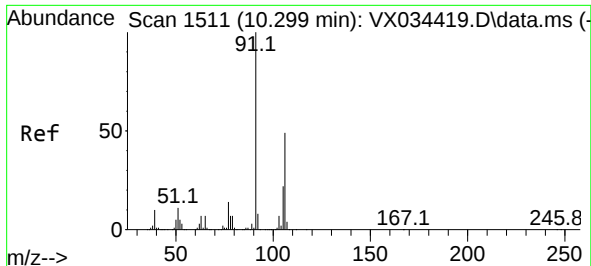
Tgt Ion: 95 Resp: 247390
Ion Ratio Lower Upper
95 100
174 69.3 0.0 147.4
176 67.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034570.D
Acq: 17 Mar 2023 07:35

Tgt Ion: 117 Resp: 441957
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 31.8 26.0 39.0





#68

m/p-Xylenes

Concen: 3.422 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX034570.D

Acq: 17 Mar 2023 07:35

Instrument :

MSVOA_X

ClientSampleId :

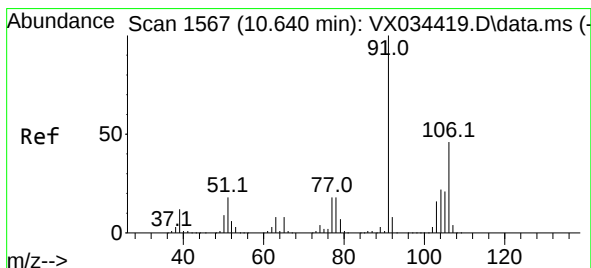
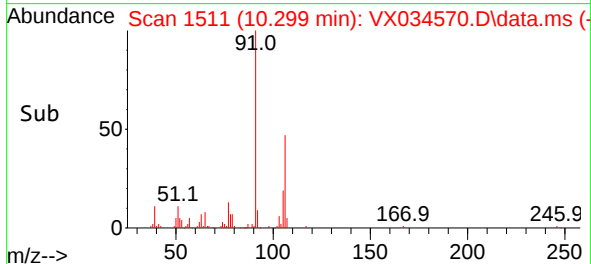
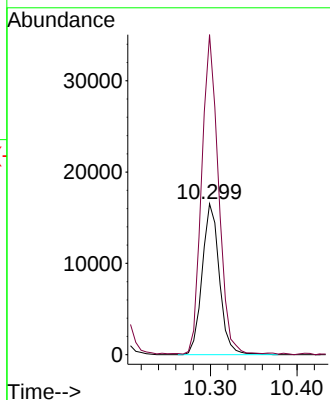
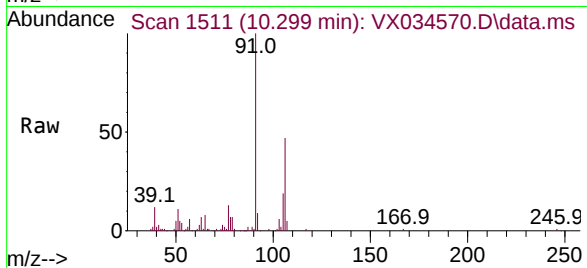
33960

Tgt Ion:106 Resp: 22817

Ion Ratio Lower Upper

106 100

91 205.8 164.0 246.0



#69

o-Xylene

Concen: 5.848 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX034570.D

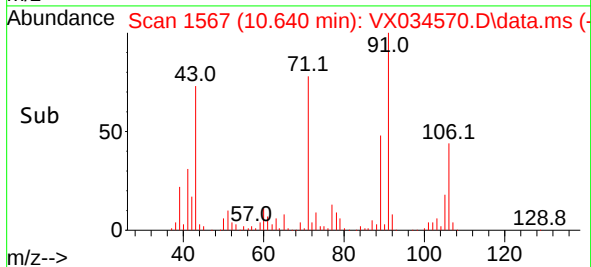
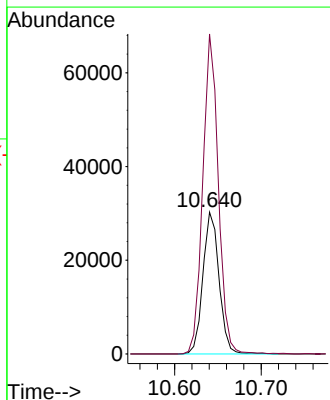
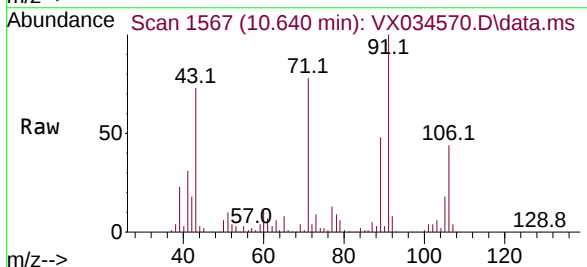
Acq: 17 Mar 2023 07:35

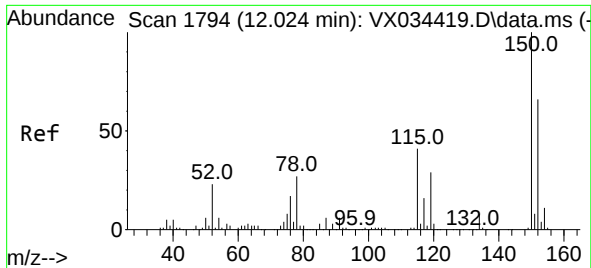
Tgt Ion:106 Resp: 39135

Ion Ratio Lower Upper

106 100

91 217.8 108.5 325.3

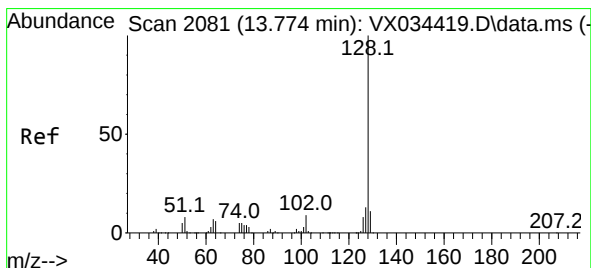
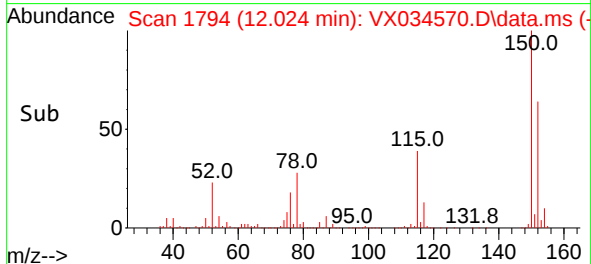
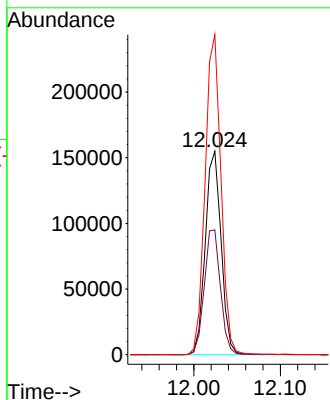
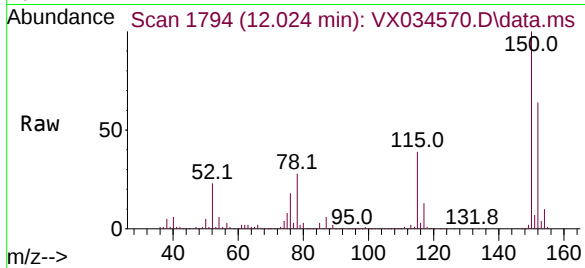




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034570.D
 Acq: 17 Mar 2023 07:35

Instrument :
 MSVOA_X
 ClientSampleId :
 33960

Tgt Ion:152 Resp: 196688
 Ion Ratio Lower Upper
 152 100
 115 62.7 45.0 135.0
 150 157.3 0.0 352.4



#95
 Naphthalene
 Concen: 4.688 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX034570.D
 Acq: 17 Mar 2023 07:35

Tgt Ion:128 Resp: 67891
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 10.9 8.6 13.0

