

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034567.D
 Acq On : 17 Mar 2023 06:25
 Operator : JC/MD
 Sample : 01907-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33962

Quant Time: Mar 17 07:54:43 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)

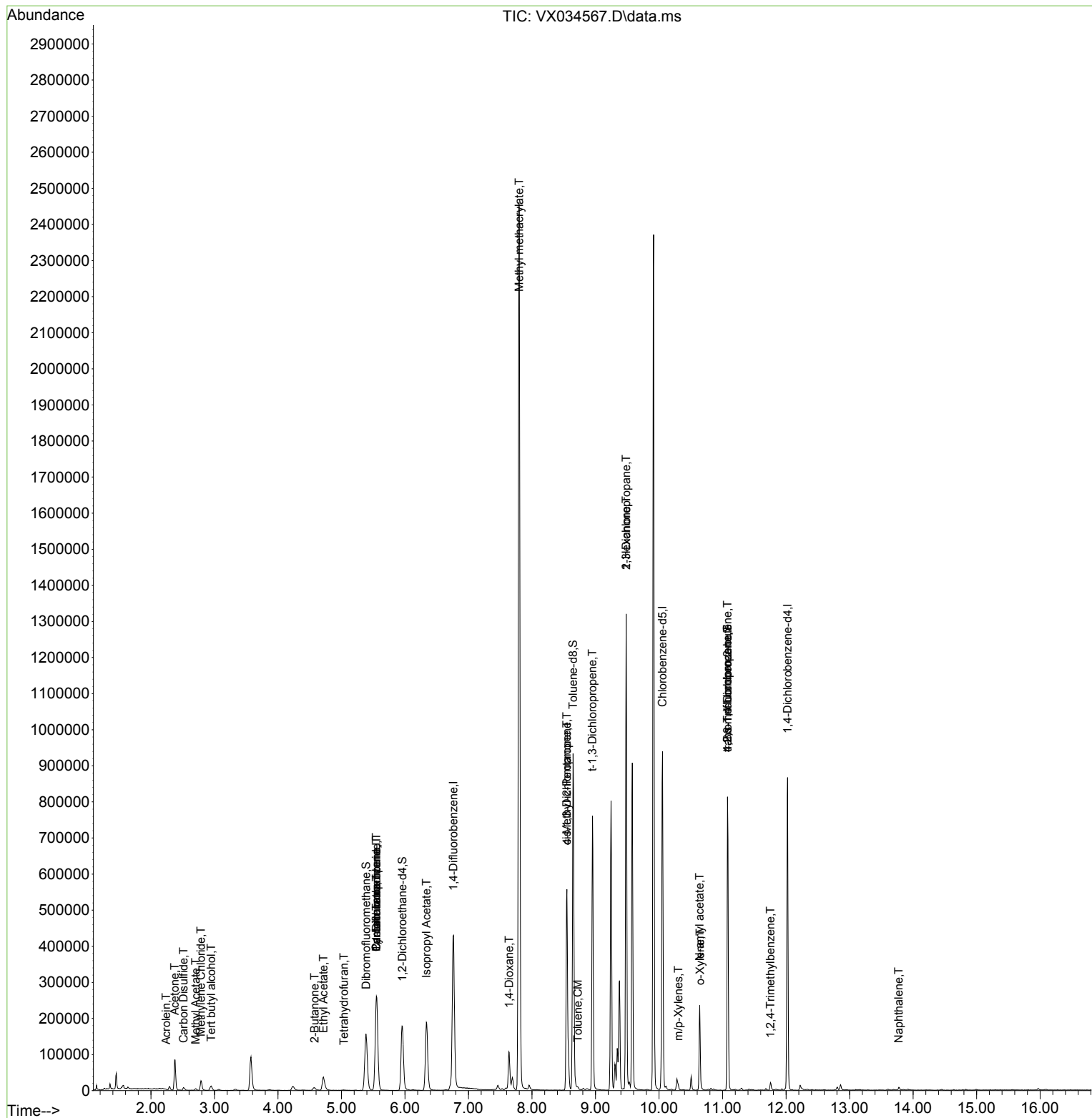
Internal Standards						
1) Pentafluorobenzene	5.550	168	248749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	175417	48.474	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.940%		
35) Dibromofluoromethane	5.385	113	134189	48.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	8.647	98	524808	50.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.640%		
62) 4-Bromofluorobenzene	11.079	95	208084	49.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.800%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	518	Below Cal		98
11) Tert butyl alcohol	2.946	59	9313	12.358	ug/l #	83
13) Acrolein	2.239	56	1202	2.016	ug/l	97
16) Acetone	2.373	43	90875	53.311	ug/l	99
17) Carbon Disulfide	2.514	76	7489	0.977	ug/l	99
18) Methyl Acetate	2.703	43	5943	1.067	ug/l	97
20) Methylene Chloride	2.788	84	12438	3.760	ug/l	97
25) 2-Butanone	4.574	43	9592	3.933	ug/l	96
29) Tetrahydrofuran	5.037	42	971	0.645	ug/l #	49
31) Cyclohexane	5.550	56	6262	1.234	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	20676	4.818	ug/l #	51
37) Ethyl Acetate	4.714	43	65606	13.995	ug/l	99
38) Carbon Tetrachloride	5.550	117	25696	6.020	ug/l #	15
43) Isopropyl Acetate	6.336	43	266839	33.601	ug/l	99
48) Methyl methacrylate	7.799	41	224923	58.889	ug/l #	47
49) 1,4-Dioxane	7.641	88	27	0.337	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	238143	51.693	ug/l #	37
52) Toluene	8.720	92	2115	0.272	ug/l	88
53) t-1,3-Dichloropropene	8.951	75	1443	0.297	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	86548	16.465	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	10532	1.921	ug/l #	43
59) 2-Hexanone	9.482	43	159178	44.698	ug/l #	51
68) m/p-Xylenes	10.305	106	3135	0.532	ug/l	97
69) o-Xylene	10.646	106	3957	0.669	ug/l	91
74) N-amyl acetate	10.640	43	58933	9.123	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	113594	28.349	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	113594	76.693	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	7003	0.606	ug/l #	39
95) Naphthalene	13.774	128	4712	0.367	ug/l	98

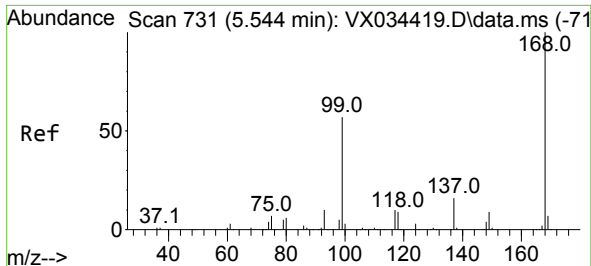
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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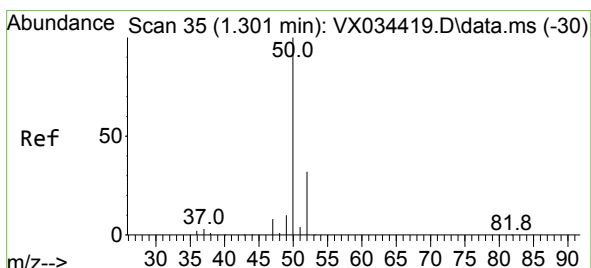
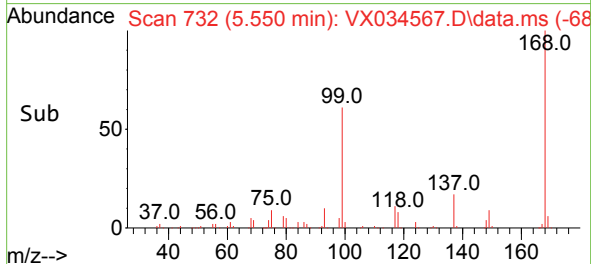
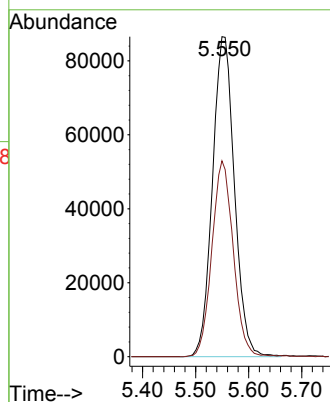
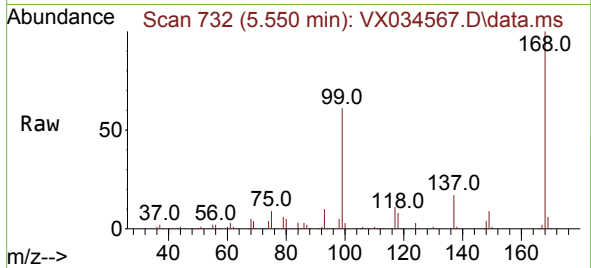




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

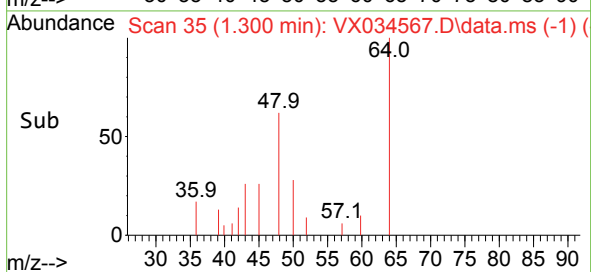
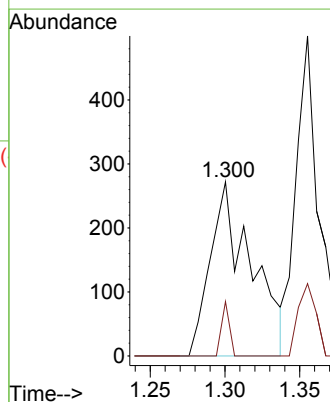
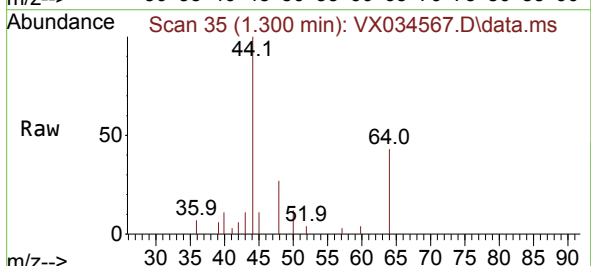
Instrument :
MSVOA_X
ClientSampleId :
33962

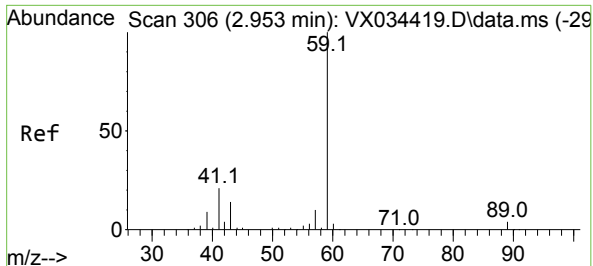
Tgt Ion:168 Resp: 248749
Ion Ratio Lower Upper
168 100
99 61.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9





#11

Tert butyl alcohol

Concen: 12.358 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX034567.D

Acq: 17 Mar 2023 06:25

Instrument :

MSVOA_X

ClientSampleId :

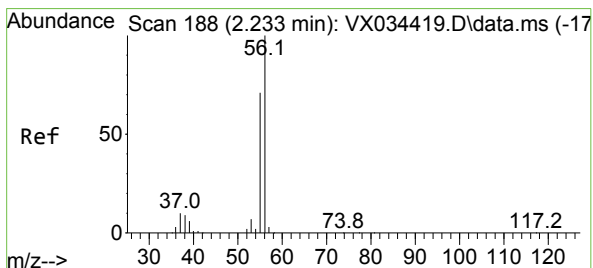
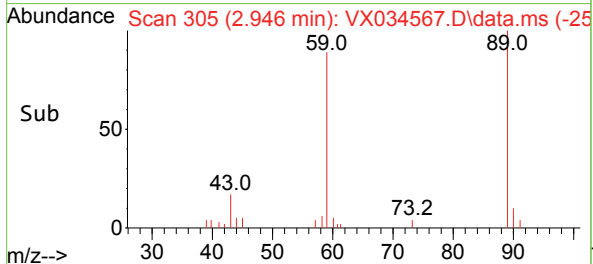
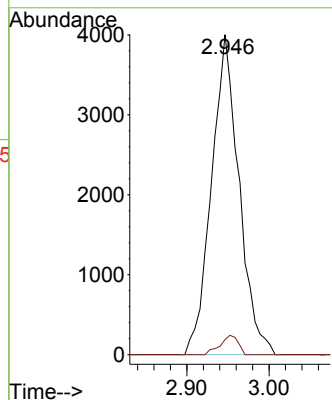
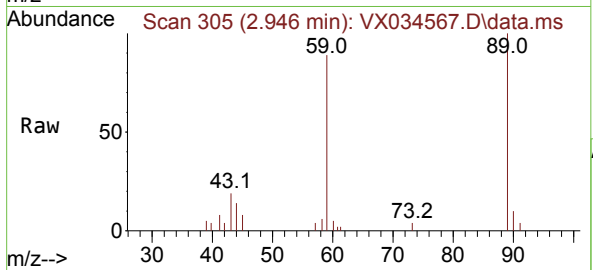
33962

Tgt Ion: 59 Resp: 9313

Ion Ratio Lower Upper

59 100

57 4.0 8.1 12.1#



#13

Acrolein

Concen: 2.016 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034567.D

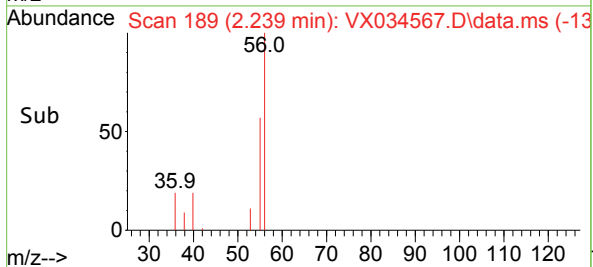
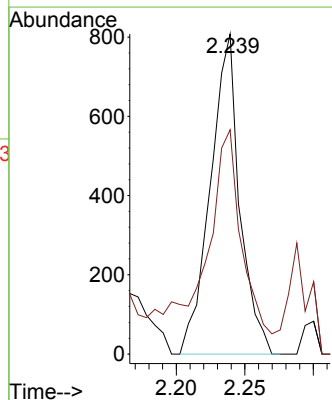
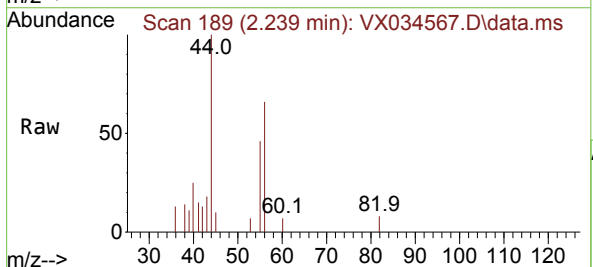
Acq: 17 Mar 2023 06:25

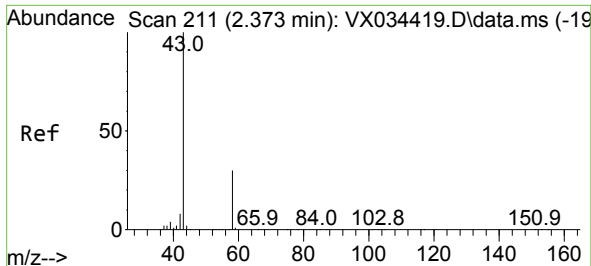
Tgt Ion: 56 Resp: 1202

Ion Ratio Lower Upper

56 100

55 73.1 56.6 85.0

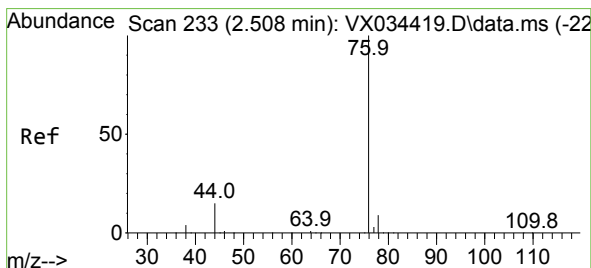
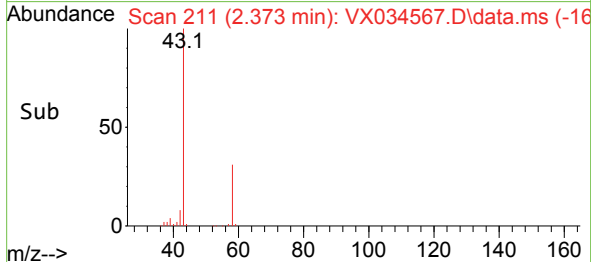
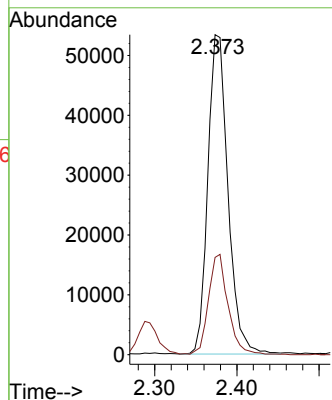
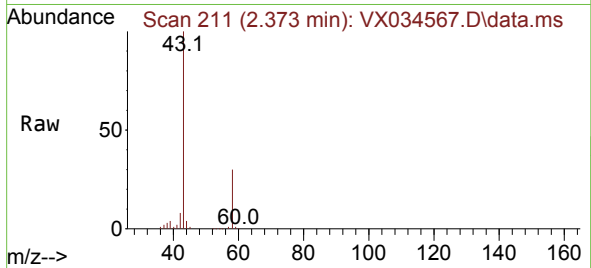




#16
Acetone
Concen: 53.311 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

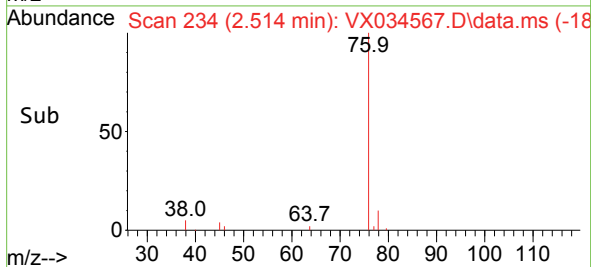
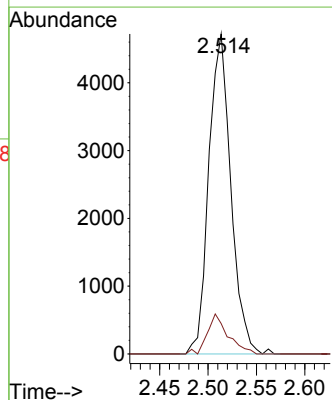
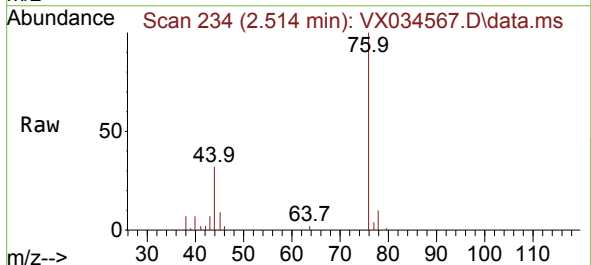
Instrument :
MSVOA_X
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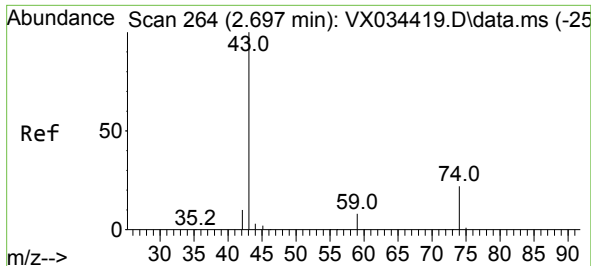
Tgt Ion: 43 Resp: 90875
Ion Ratio Lower Upper
43 100
58 30.3 24.7 37.1



#17
Carbon Disulfide
Concen: 0.977 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 76 Resp: 7489
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

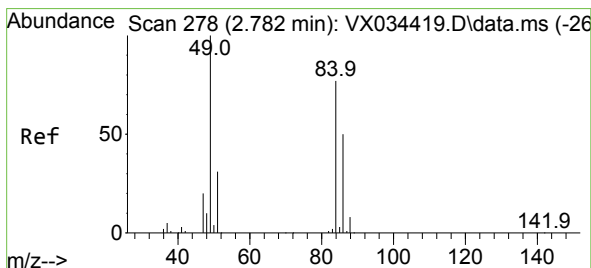
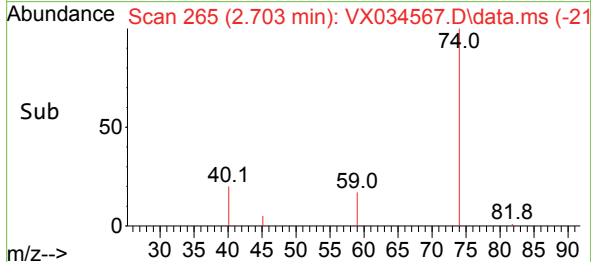
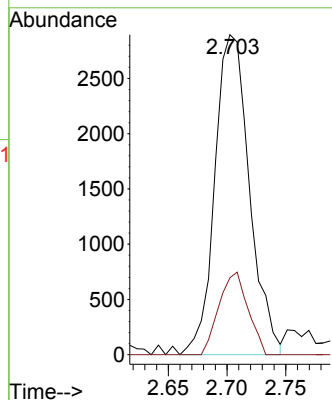
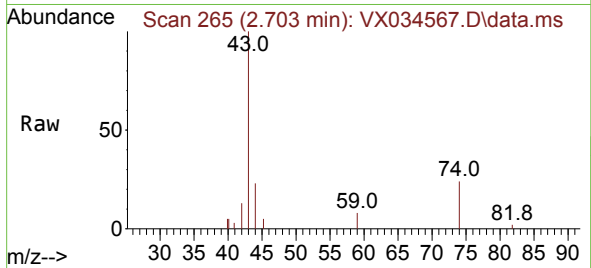




#18
Methyl Acetate
Concen: 1.067 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

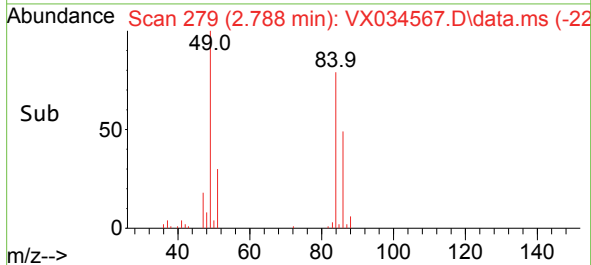
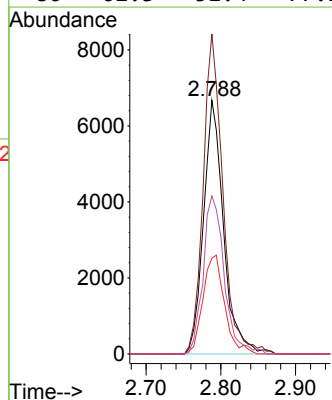
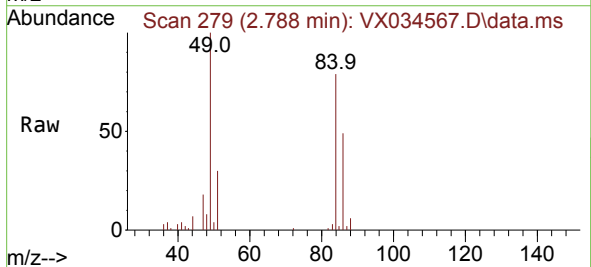
Instrument :
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ClientSampleId :
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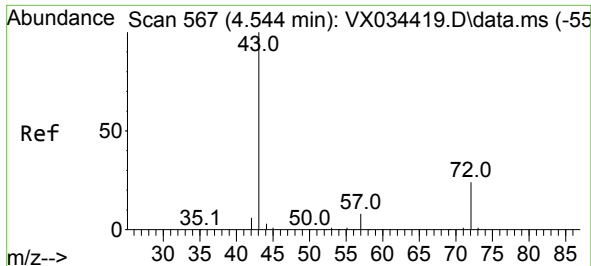
Tgt Ion: 43 Resp: 5943
Ion Ratio Lower Upper
43 100
74 21.5 18.3 27.5



#20
Methylene Chloride
Concen: 3.760 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 84 Resp: 12438
Ion Ratio Lower Upper
84 100
49 126.2 103.8 155.8
51 37.8 31.8 47.8
86 62.3 51.4 77.2

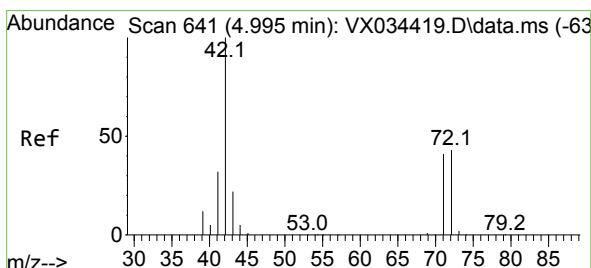
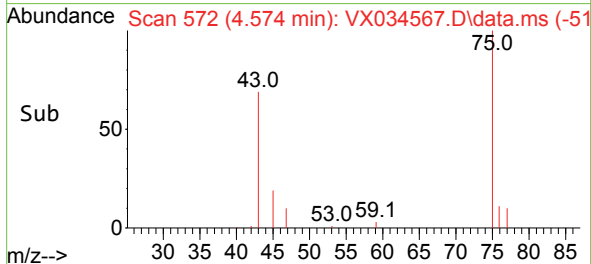
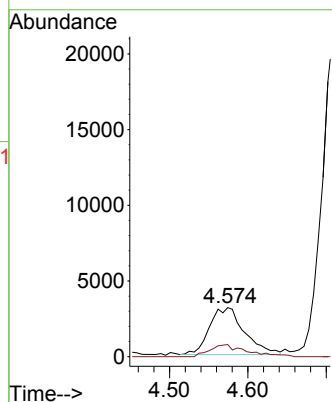
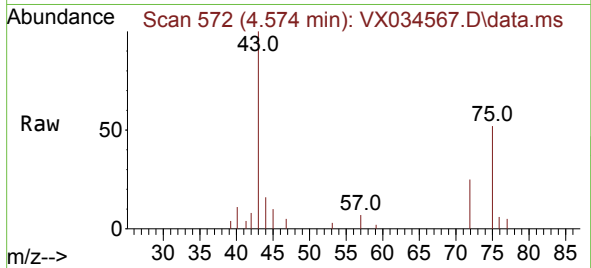




#25
2-Butanone
Concen: 3.933 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

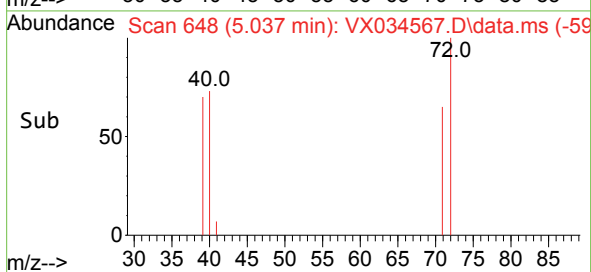
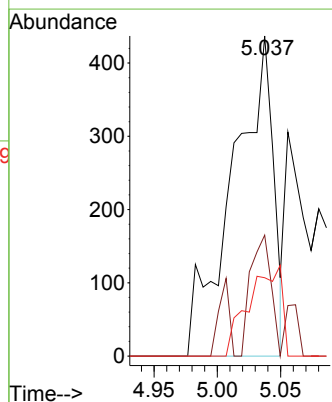
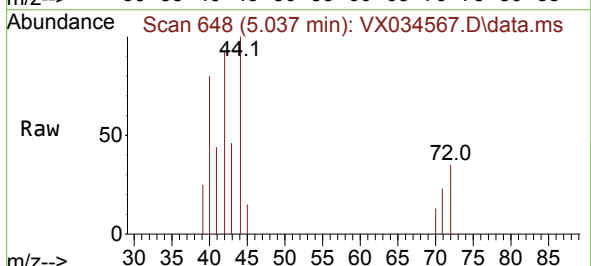
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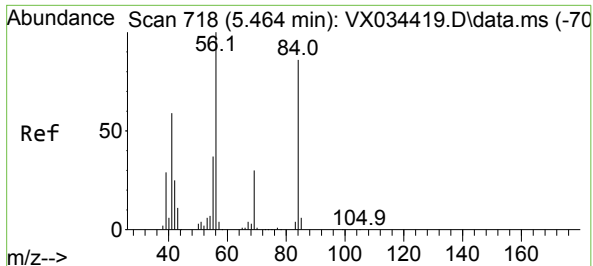
Tgt Ion: 43 Resp: 9592
Ion Ratio Lower Upper
43 100
72 26.0 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.645 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 42 Resp: 971
Ion Ratio Lower Upper
42 100
72 19.2 34.5 51.7#
71 0.0 32.1 48.1#

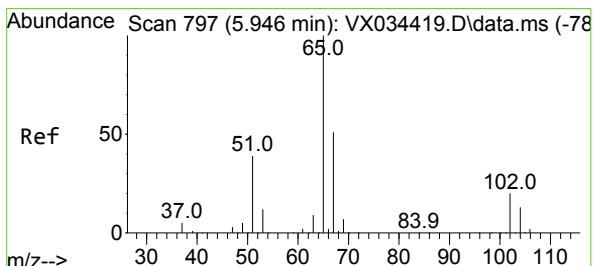
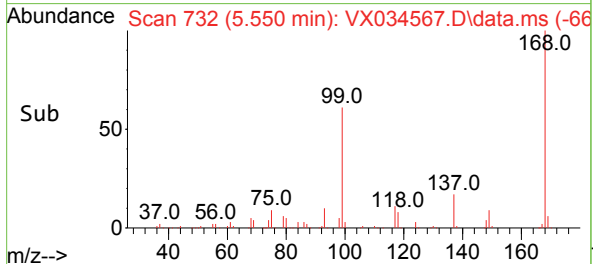
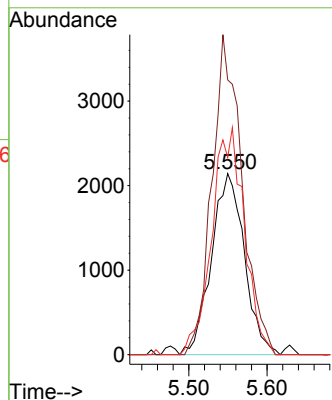
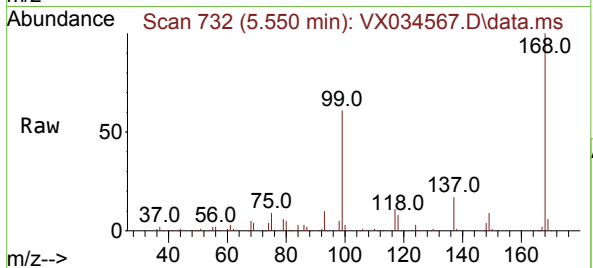




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

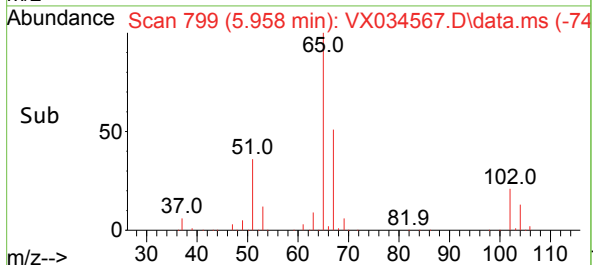
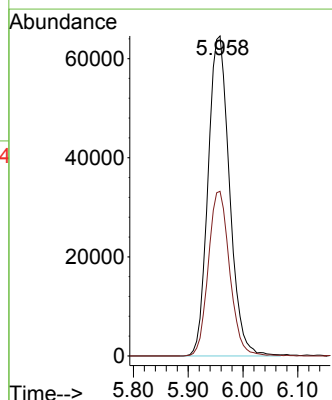
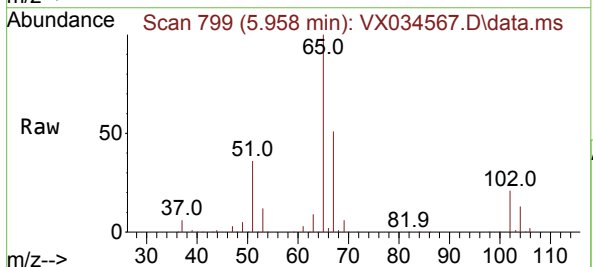
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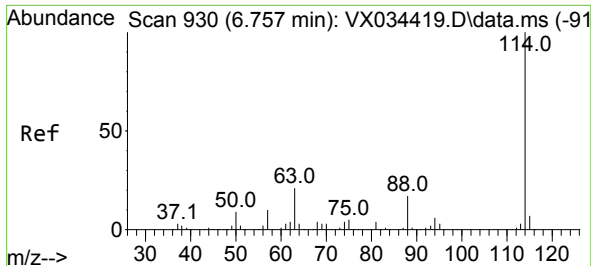
Tgt Ion: 56 Resp: 6262
Ion Ratio Lower Upper
56 100
69 151.7 23.7 35.5#
84 108.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.474 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 65 Resp: 175417
Ion Ratio Lower Upper
65 100
67 51.2 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: VX034567.D

Acq: 17 Mar 2023 06:25

Instrument :

MSVOA_X

ClientSampleId :

33962

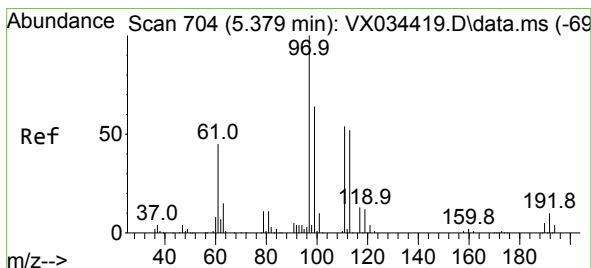
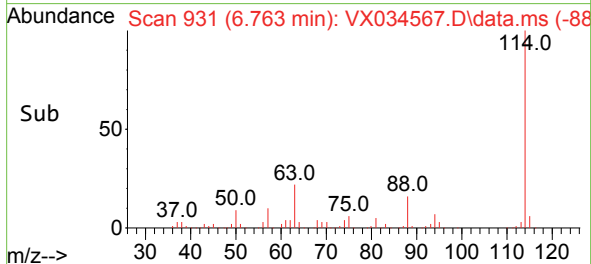
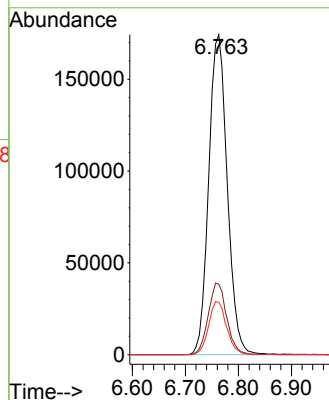
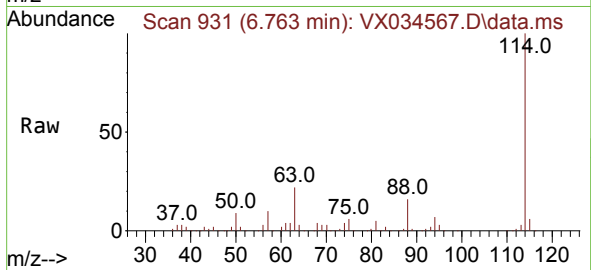
Tgt Ion:114 Resp: 423135

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.032 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034567.D

Acq: 17 Mar 2023 06:25

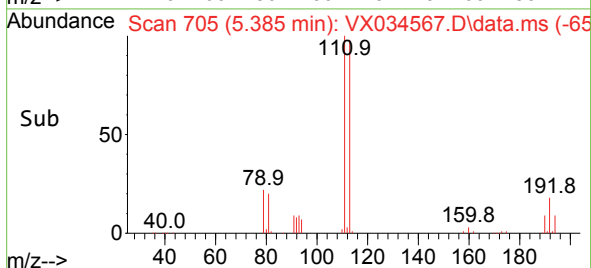
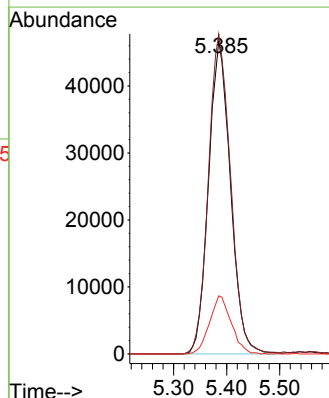
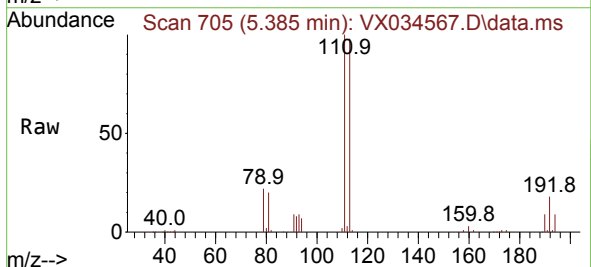
Tgt Ion:113 Resp: 134189

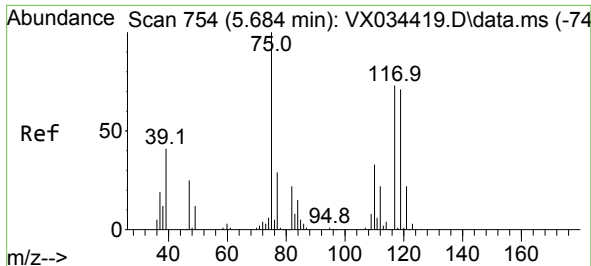
Ion Ratio Lower Upper

113 100

111 103.3 83.7 125.5

192 18.4 15.4 23.2

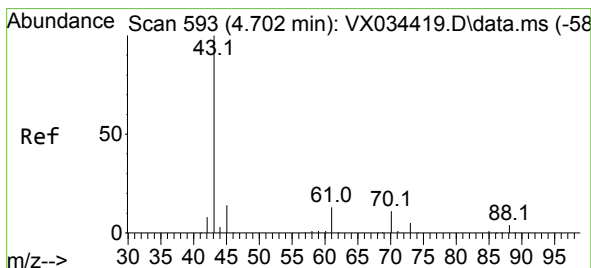
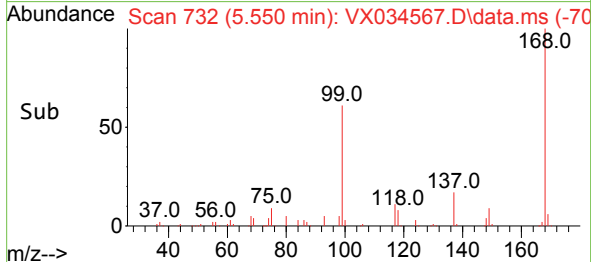
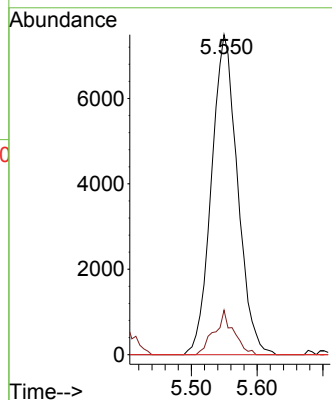
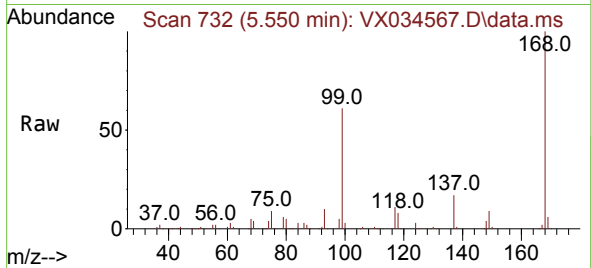




#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

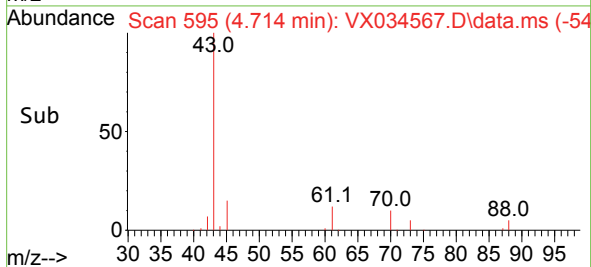
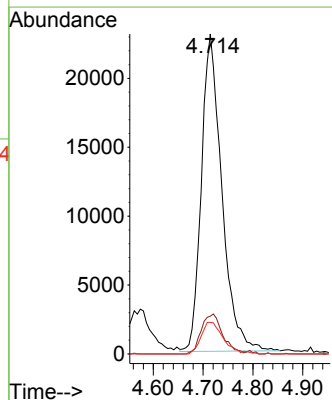
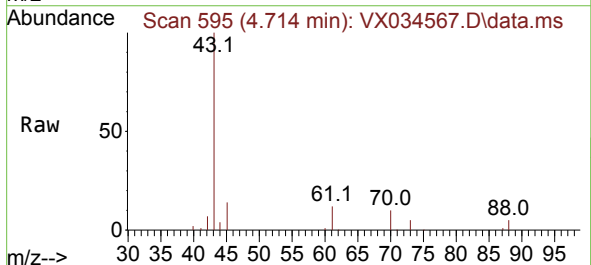
Instrument :
MSVOA_X
ClientSampleId :
33962

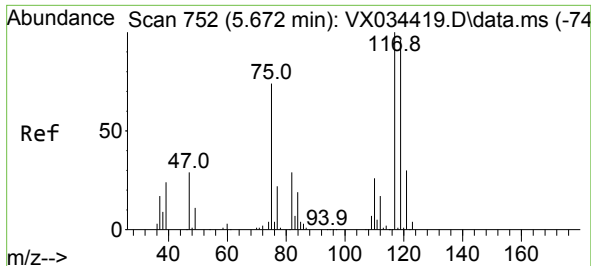
Tgt Ion: 75 Resp: 20676
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.995 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

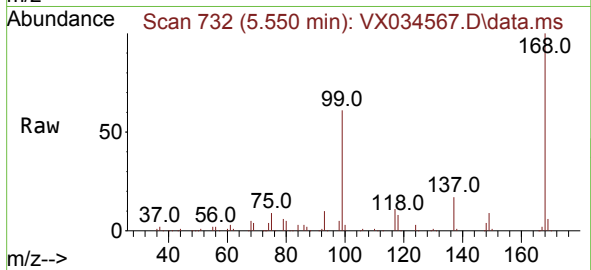
Tgt Ion: 43 Resp: 65606
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.4
70 10.8 8.2 12.4



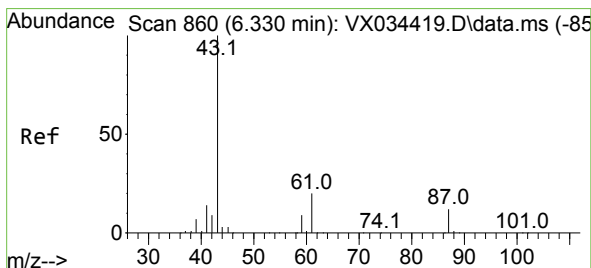
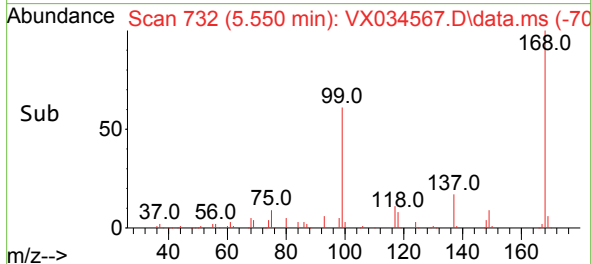
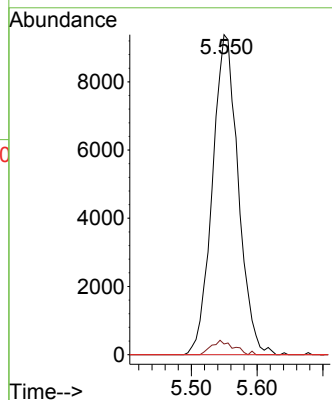


#38
Carbon Tetrachloride
Concen: 6.020 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Instrument :
MSVOA_X
ClientSampleId :
33962

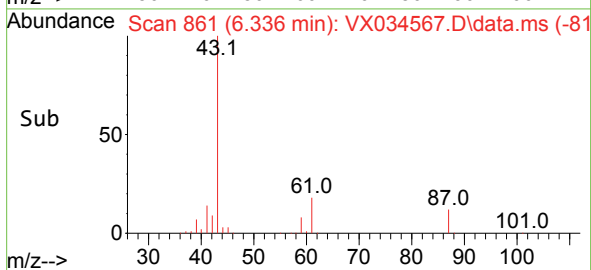
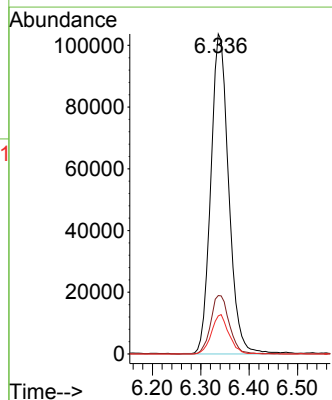
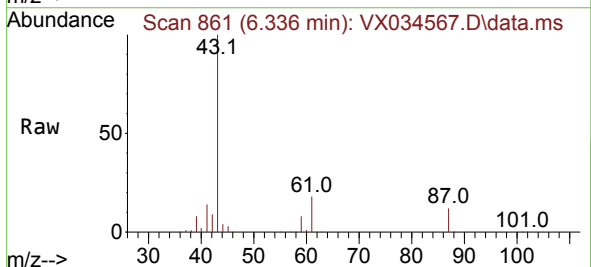


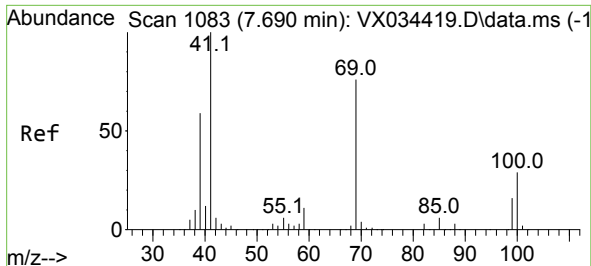
Tgt Ion:117 Resp: 25696
Ion Ratio Lower Upper
117 100
119 3.3 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 33.601 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 43 Resp: 266839
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.9 9.8 14.8

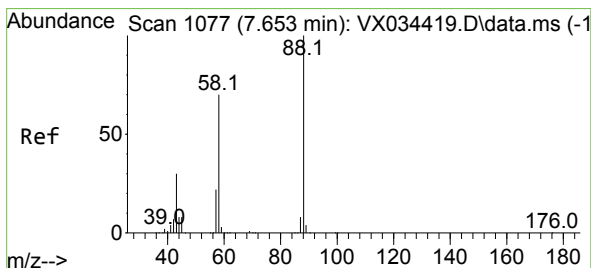
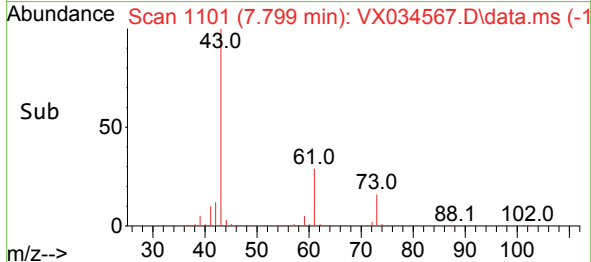
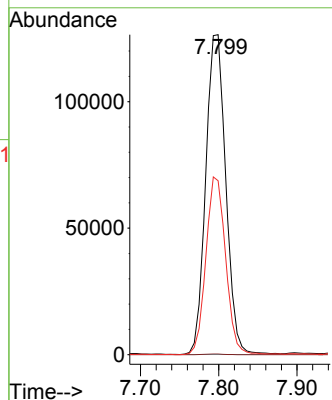
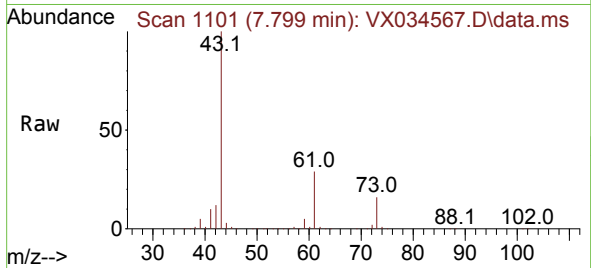




#48
Methyl methacrylate
Concen: 58.889 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

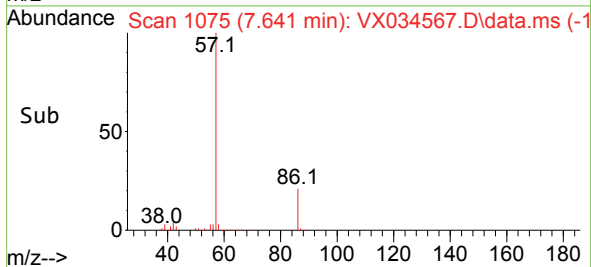
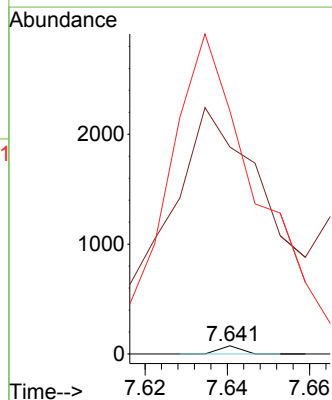
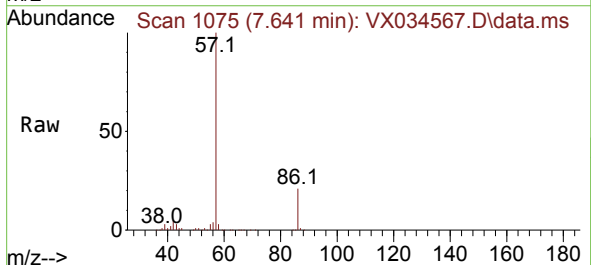
Instrument :
MSVOA_X
ClientSampleId :
33962

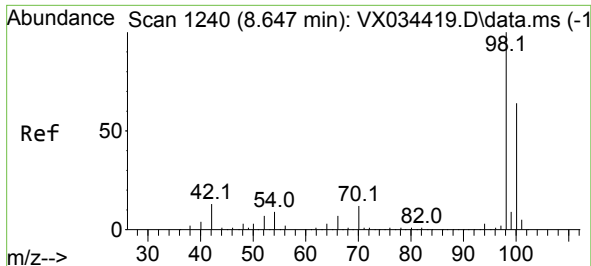
Tgt Ion: 41 Resp: 224923
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.9 47.7 71.5



#49
1,4-Dioxane
Concen: 0.337 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 16974.1 56.8 85.2#

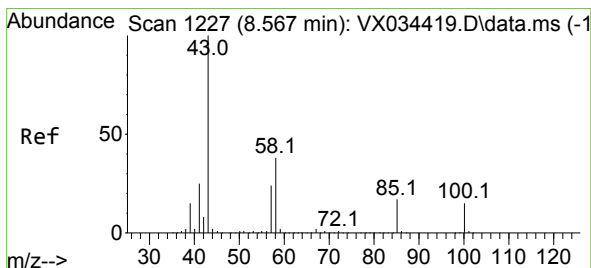
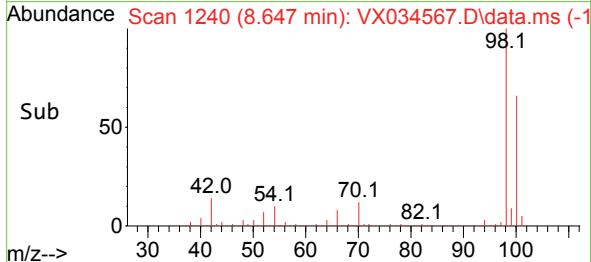
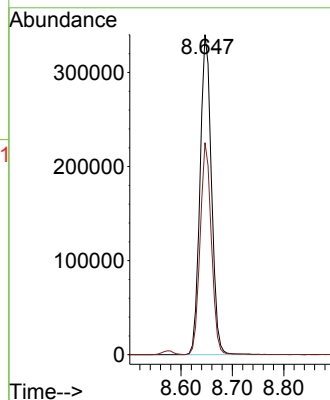
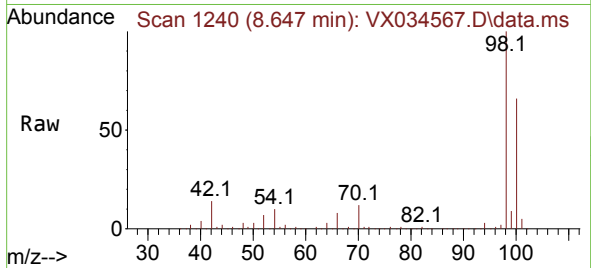




#50
Toluene-d8
Concen: 50.321 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

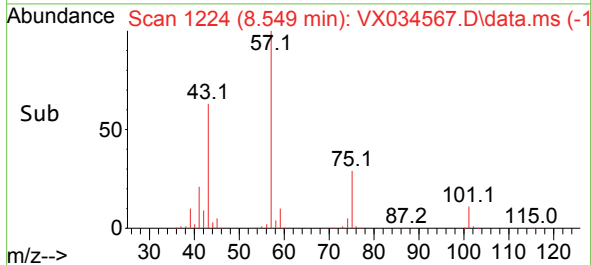
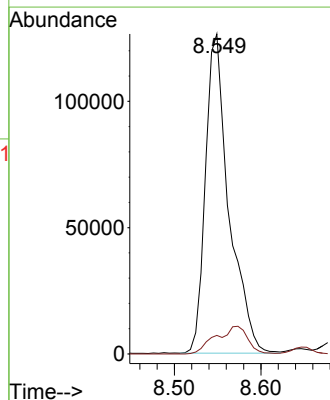
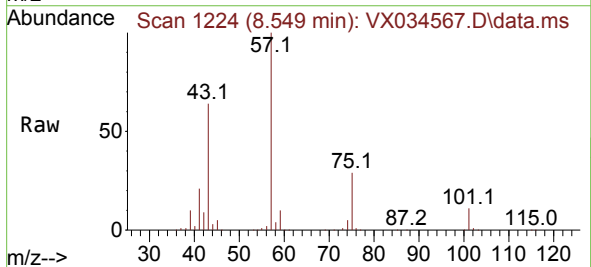
Instrument :
MSVOA_X
ClientSampleId :
33962

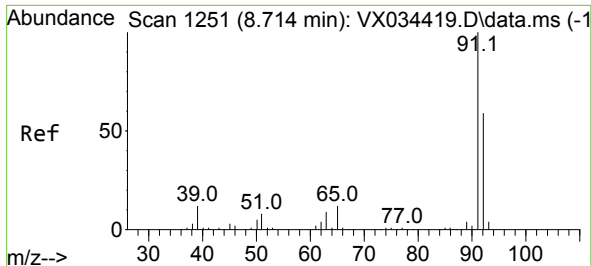
Tgt Ion: 98 Resp: 524808
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 51.693 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 43 Resp: 238143
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#

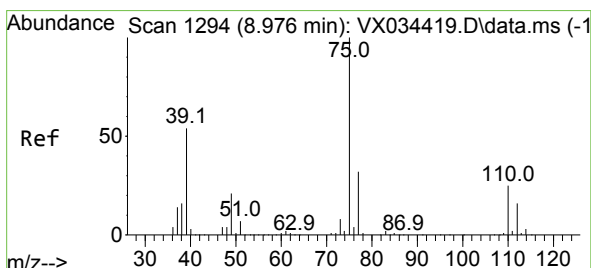
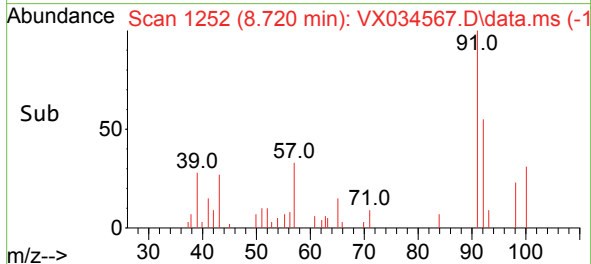
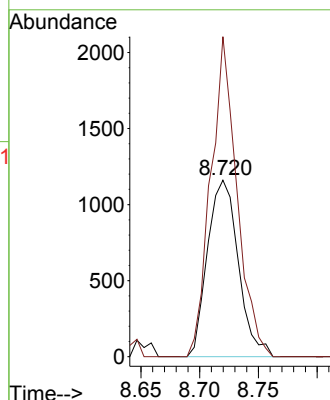
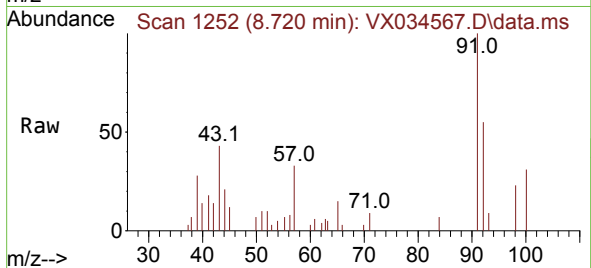




#52
Toluene
Concen: 0.272 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

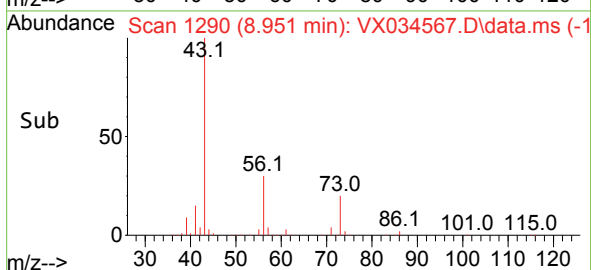
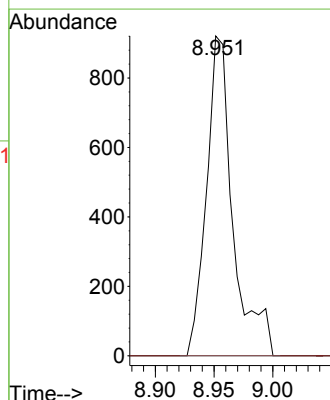
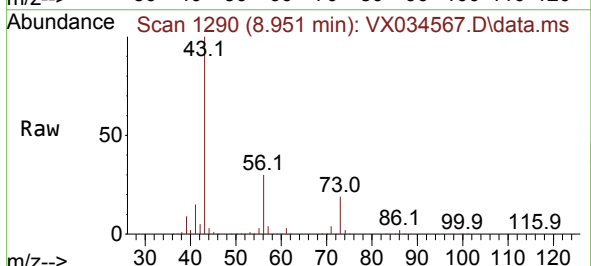
Instrument :
MSVOA_X
ClientSampleId :
33962

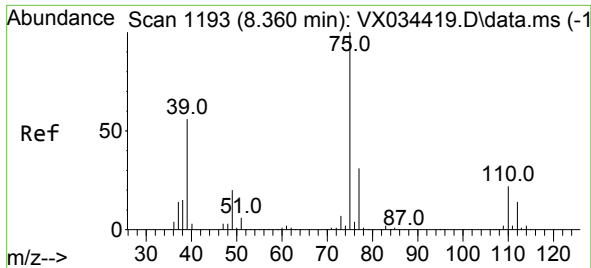
Tgt Ion: 92 Resp: 2115
Ion Ratio Lower Upper
92 100
91 154.5 136.8 205.2



#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 75 Resp: 1443
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

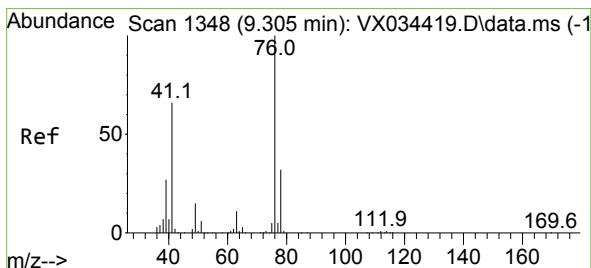
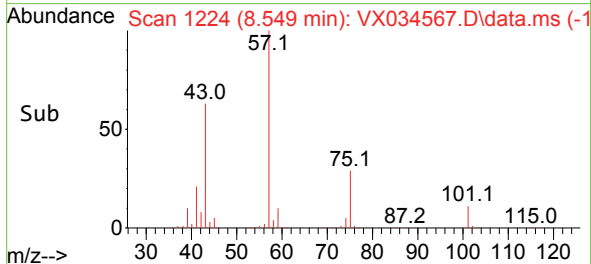
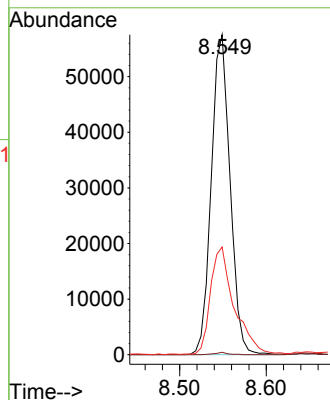
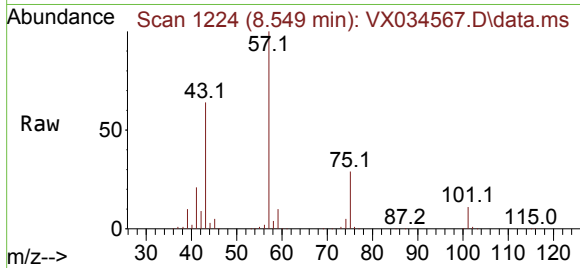




#54
 cis-1,3-Dichloropropene
 Concen: 16.465 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034567.D
 Acq: 17 Mar 2023 06:25

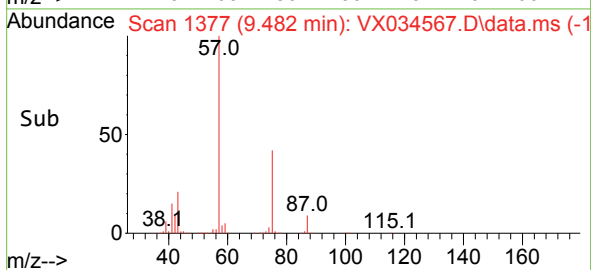
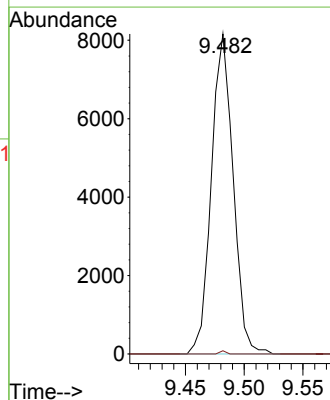
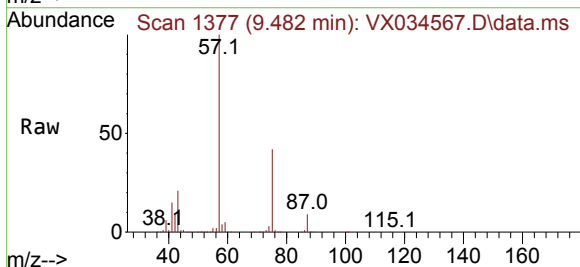
Instrument :
 MSVOA_X
 ClientSampleId :
 33962

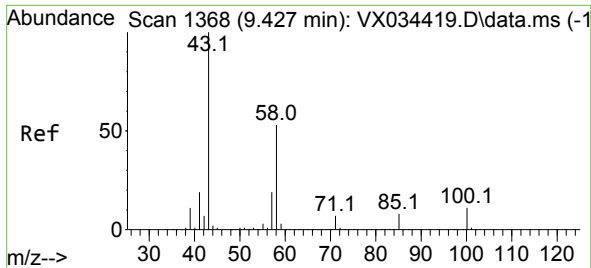
Tgt Ion: 75 Resp: 86548
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 33.6 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.921 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034567.D
 Acq: 17 Mar 2023 06:25

Tgt Ion: 76 Resp: 10532
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

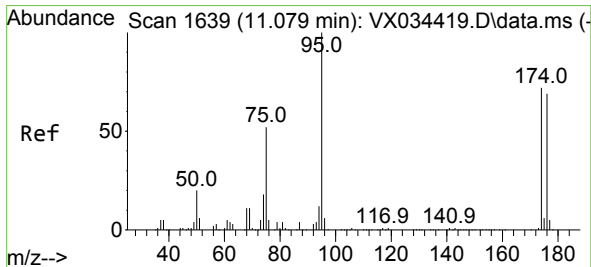
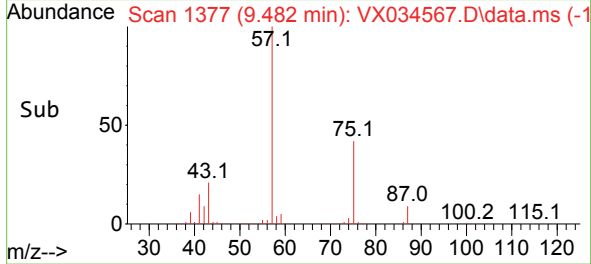
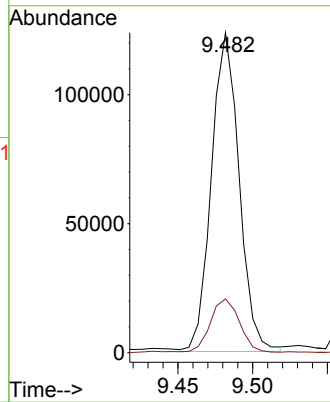
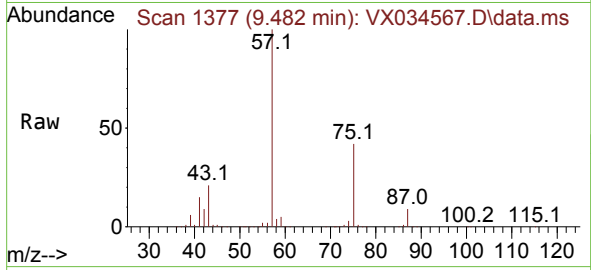




#59
2-Hexanone
Concen: 44.698 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

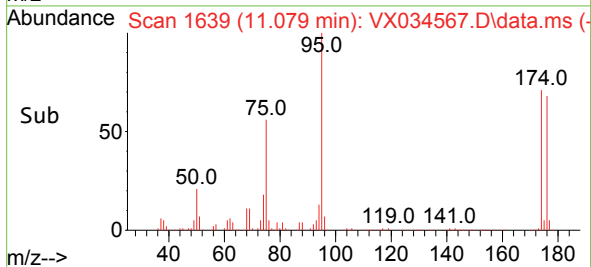
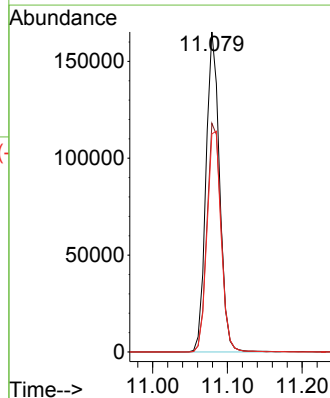
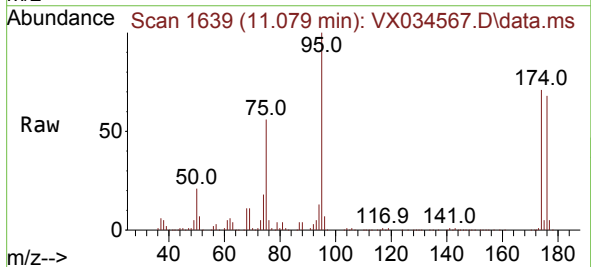
Instrument :
MSVOA_X
ClientSampleId :
33962

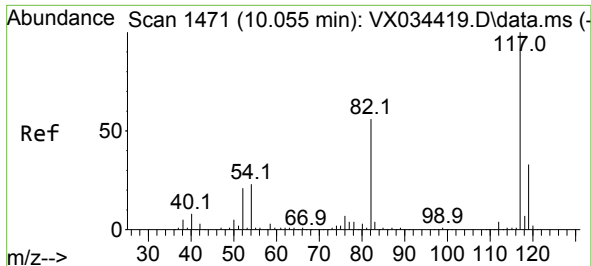
Tgt Ion: 43 Resp: 159178
Ion Ratio Lower Upper
43 100
58 17.9 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 49.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 95 Resp: 208084
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.4
176 72.1 0.0 140.6

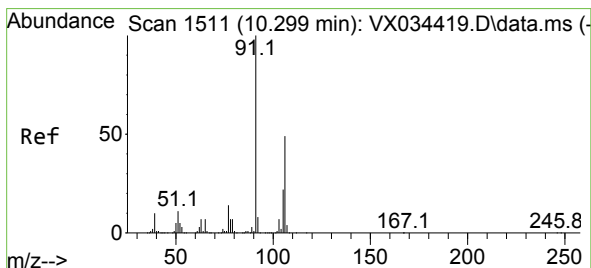
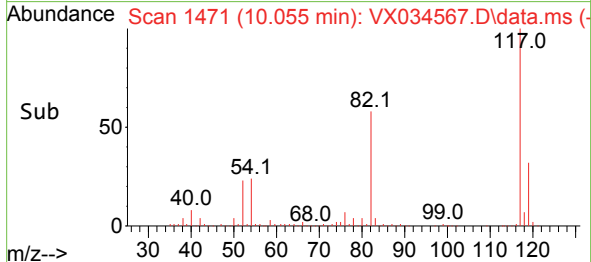
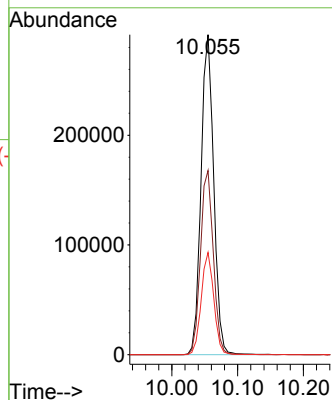
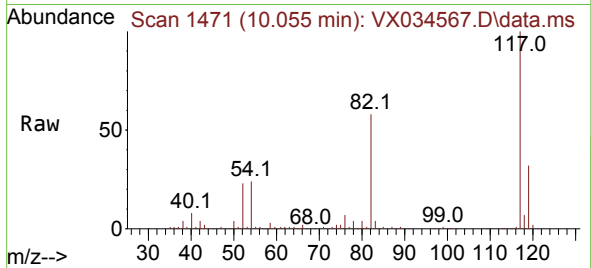




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

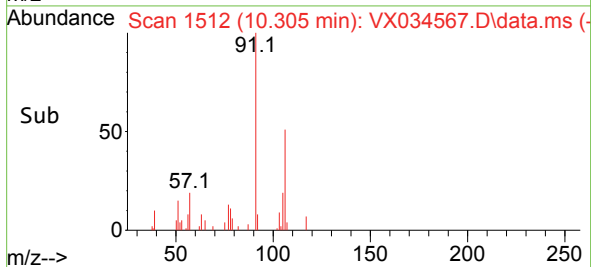
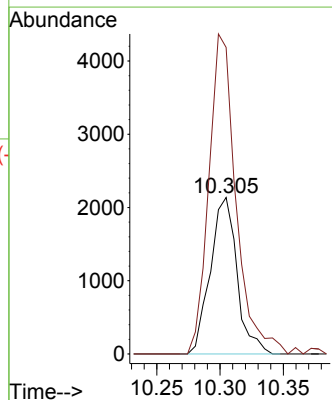
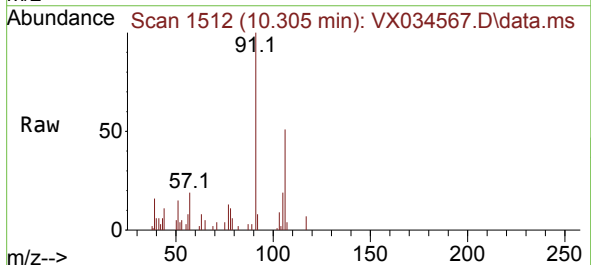
Instrument :
MSVOA_X
ClientSampleId :
33962

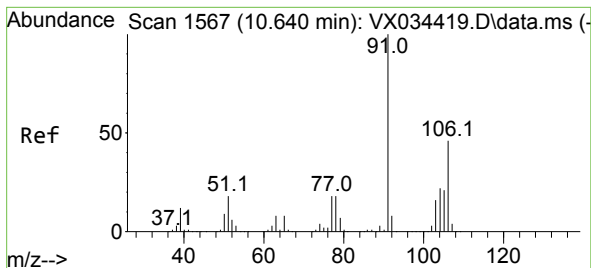
Tgt Ion:117 Resp: 390893
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 32.0 26.0 39.0



#68
m/p-Xylenes
Concen: 0.532 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion:106 Resp: 3135
Ion Ratio Lower Upper
106 100
91 209.3 164.0 246.0





#69

o-Xylene

Concen: 0.669 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034567.D

Acq: 17 Mar 2023 06:25

Instrument :

MSVOA_X

ClientSampleId :

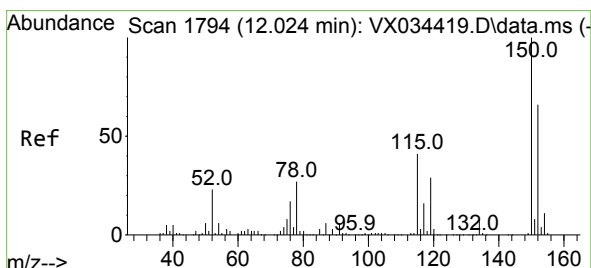
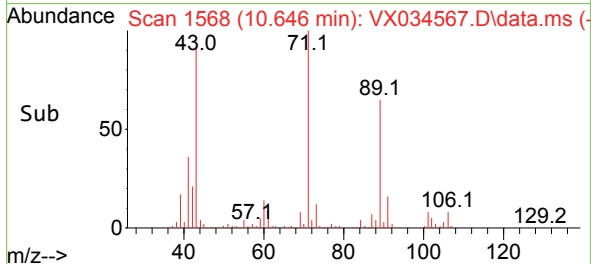
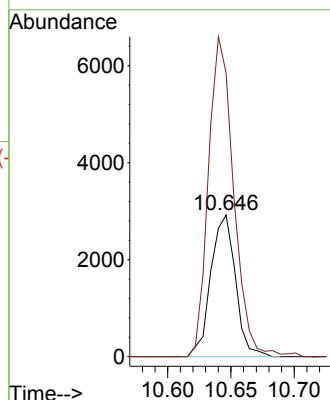
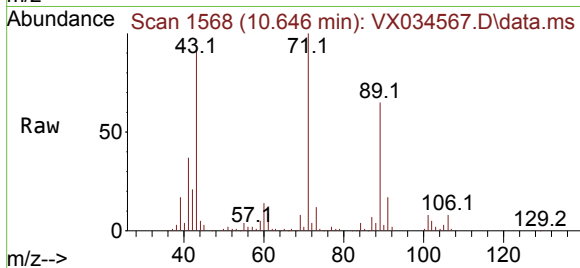
33962

Tgt Ion:106 Resp: 3957

Ion Ratio Lower Upper

106 100

91 231.9 108.5 325.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX034567.D

Acq: 17 Mar 2023 06:25

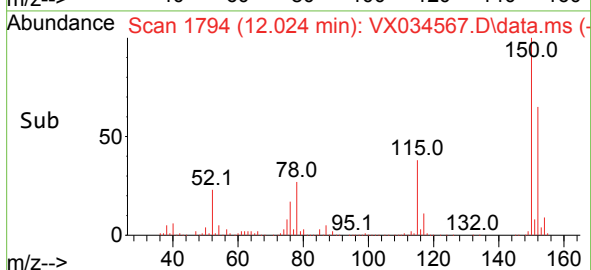
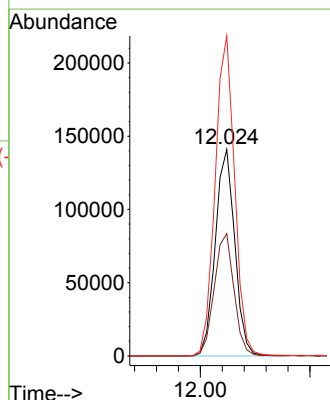
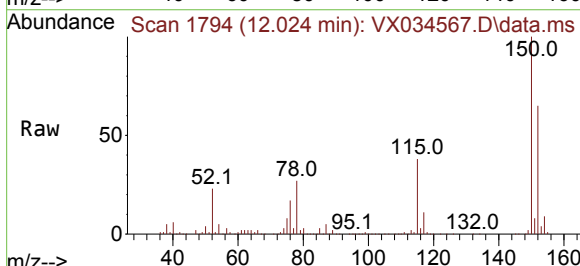
Tgt Ion:152 Resp: 174511

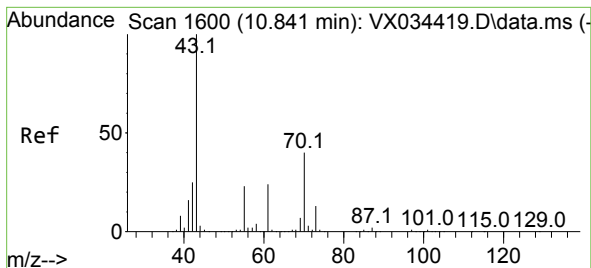
Ion Ratio Lower Upper

152 100

115 60.1 45.0 135.0

150 155.0 0.0 352.4





#74

N-amy1 acetate

Concen: 9.123 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034567.D

Acq: 17 Mar 2023 06:25

Instrument :

MSVOA_X

ClientSampleId :

33962

Tgt Ion: 43 Resp: 58933

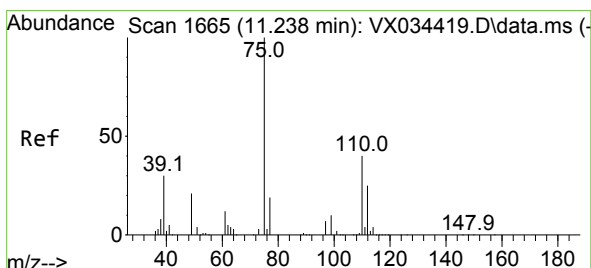
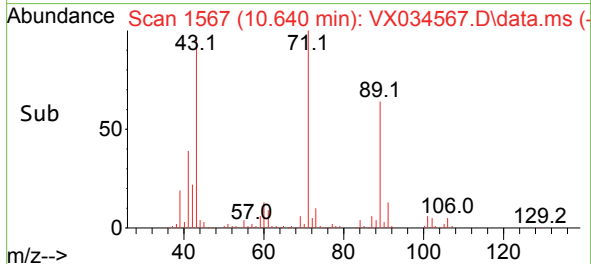
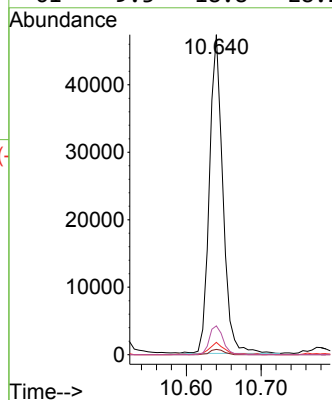
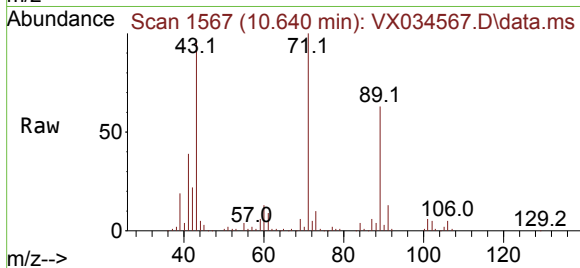
Ion Ratio Lower Upper

43 100

70 1.7 32.1 48.1#

55 4.4 18.3 27.5#

61 9.3 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 28.349 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034567.D

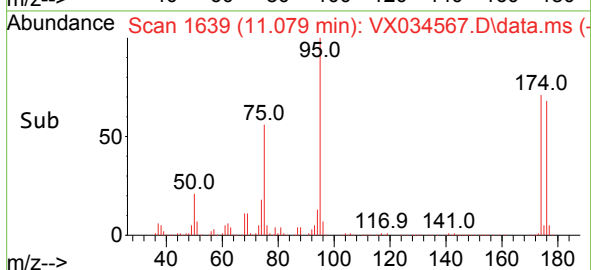
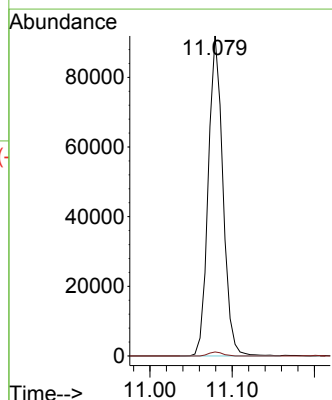
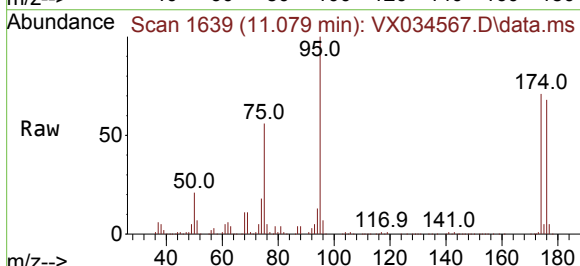
Acq: 17 Mar 2023 06:25

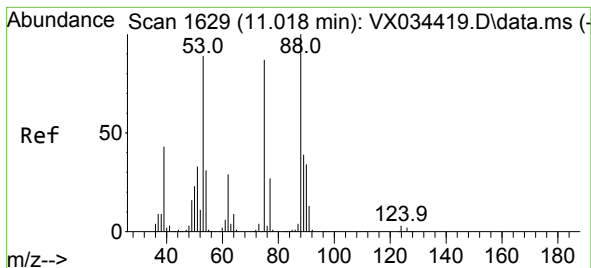
Tgt Ion: 75 Resp: 113594

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#

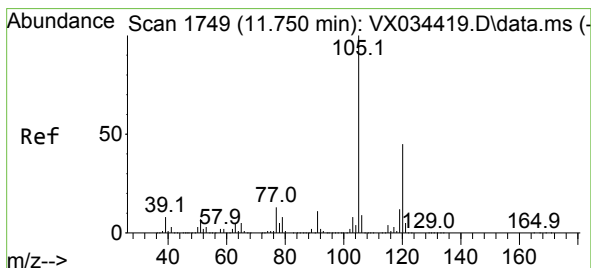
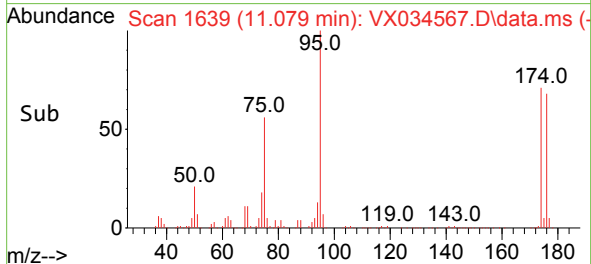
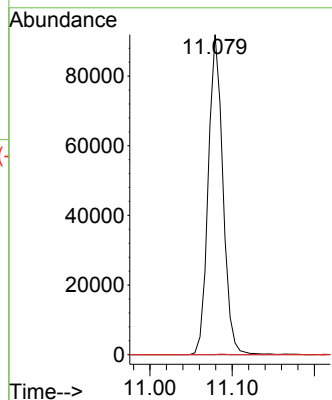
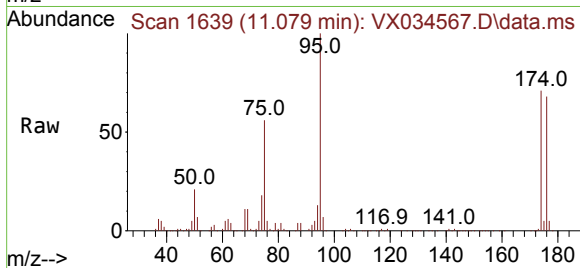




#81
trans-1,4-Dichloro-2-butene
Concen: 76.693 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

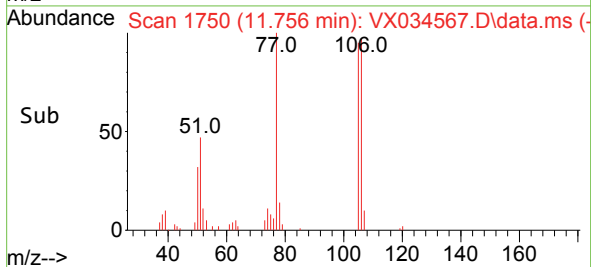
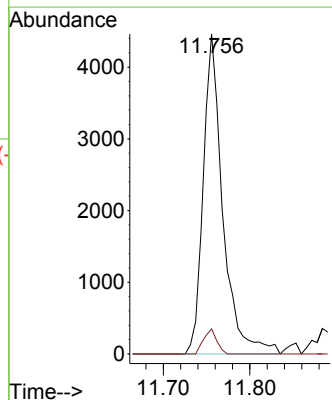
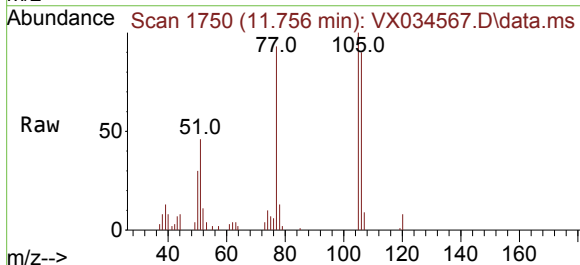
Instrument :
MSVOA_X
ClientSampleId :
33962

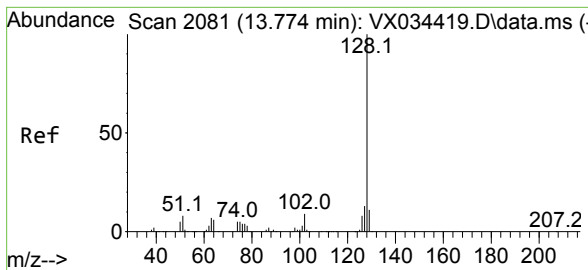
Tgt Ion: 75 Resp: 113594
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.606 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Tgt Ion: 105 Resp: 7003
Ion Ratio Lower Upper
105 100
120 5.2 22.4 67.0#





#95
Naphthalene
Concen: 0.367 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX034567.D
Acq: 17 Mar 2023 06:25

Instrument :
MSVOA_X
ClientSampleId :
33962

Tgt Ion:	128	Resp:	4712
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.4
129	11.0	8.6	13.0

