

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040053.D
 Acq On : 31 Jan 2024 17:23
 Operator : JC/MD
 Sample : P1282-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1242

Quant Time: Feb 01 04:25:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

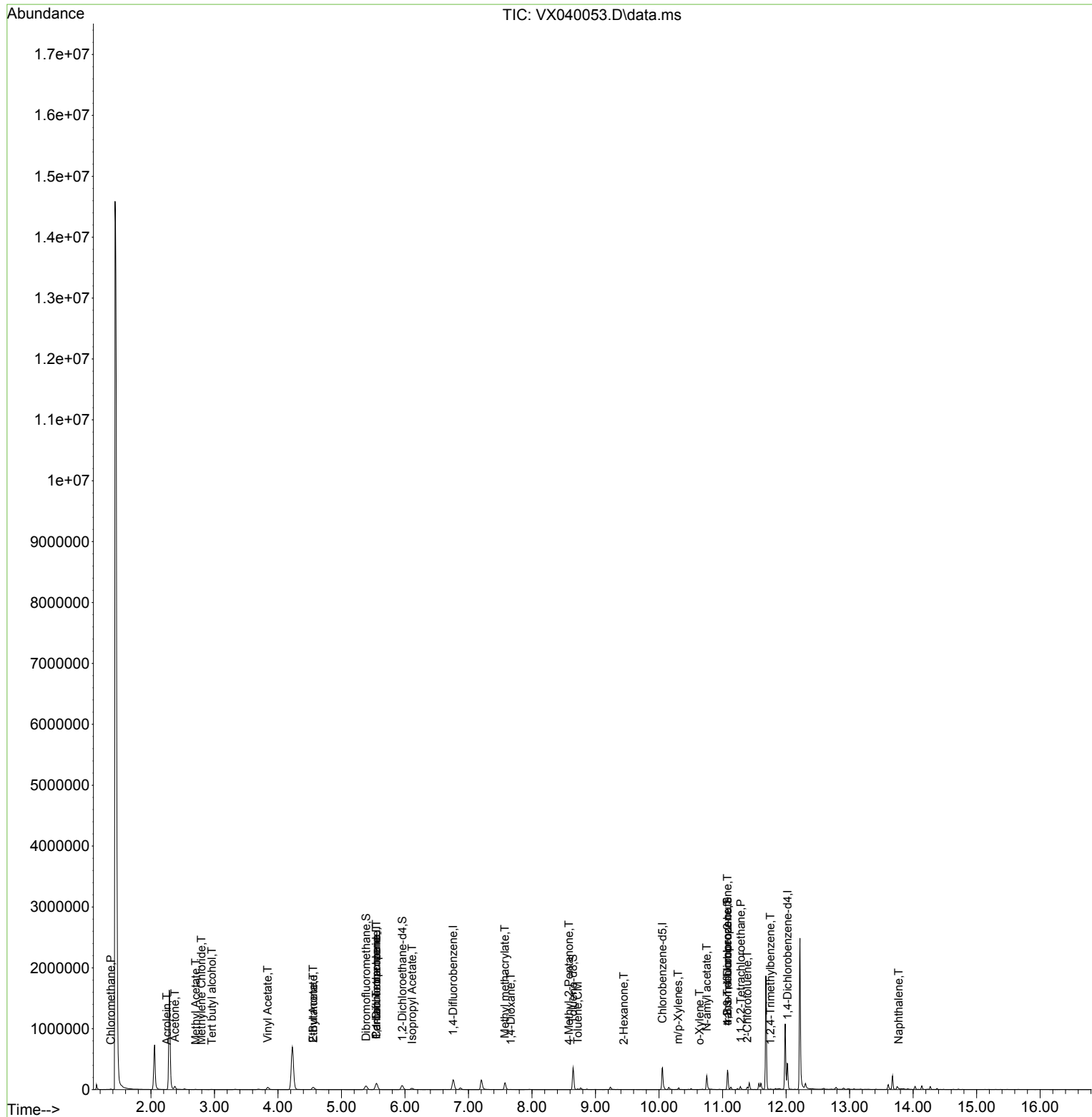
Internal Standards						
1) Pentafluorobenzene	5.550	168	90526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65905	45.236	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.480%		
35) Dibromofluoromethane	5.385	113	52428	48.001	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.000%		
50) Toluene-d8	8.647	98	202725	49.631	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.260%		
62) 4-Bromofluorobenzene	11.079	95	81884	52.063	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.120%		
Target Compounds						Qvalue
3) Chloromethane	1.368	50	312	0.323	ug/l #	43
11) Tert butyl alcohol	2.959	59	3801	14.379	ug/l	99
13) Acrolein	2.252	56	1872	7.391	ug/l #	14
16) Acetone	2.380	43	48022	70.349	ug/l #	77
18) Methyl Acetate	2.703	43	4998	3.091	ug/l	97
20) Methylene Chloride	2.794	84	638	0.526	ug/l #	70
23) Vinyl Acetate	3.837	43	6763	2.126	ug/l #	73
25) 2-Butanone	4.556	43	66132	69.692	ug/l	97
36) 1,1-Dichloropropene	5.550	75	8476	5.366	ug/l #	51
37) Ethyl Acetate	4.556	43	65703	38.086	ug/l #	69
38) Carbon Tetrachloride	5.550	117	10090	6.676	ug/l #	15
43) Isopropyl Acetate	6.111	43	20556	7.556	ug/l #	62
48) Methyl methacrylate	7.574	41	30899	23.056	ug/l #	47
49) 1,4-Dioxane	7.665	88	1172	40.245	ug/l #	81
51) 4-Methyl-2-Pentanone	8.580	43	556	0.299	ug/l	98
52) Toluene	8.720	92	3878	1.352	ug/l	92
59) 2-Hexanone	9.445	43	473	0.319	ug/l	85
68) m/p-Xylenes	10.299	106	1240	0.551	ug/l	100
69) o-Xylene	10.640	106	669	0.313	ug/l	70
74) N-amyl acetate	10.750	43	40364	15.035	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.287	83	1307	0.588	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	43758	24.966	ug/l #	39
79) 2-Chlorotoluene	11.390	91	1283	0.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	11.079	75	43758	73.835	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2292	0.452	ug/l	90
95) Naphthalene	13.774	128	1915	0.340	ug/l #	87

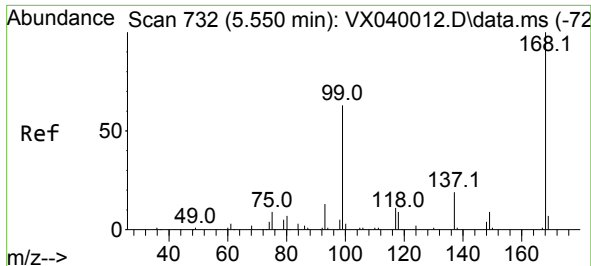
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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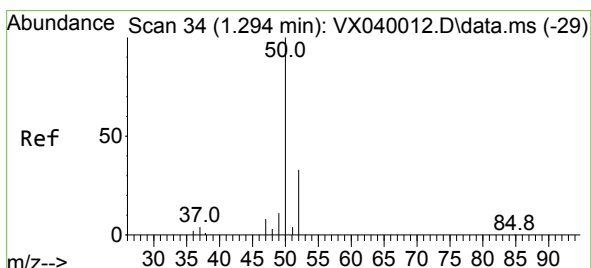
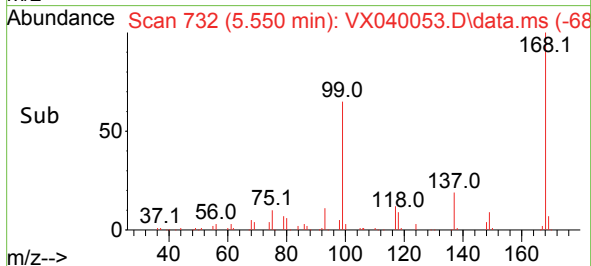
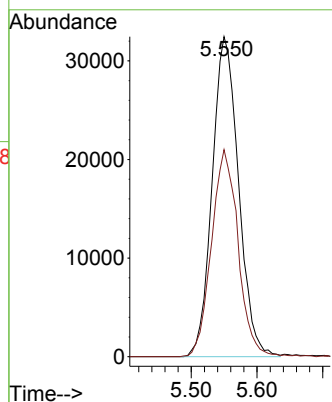
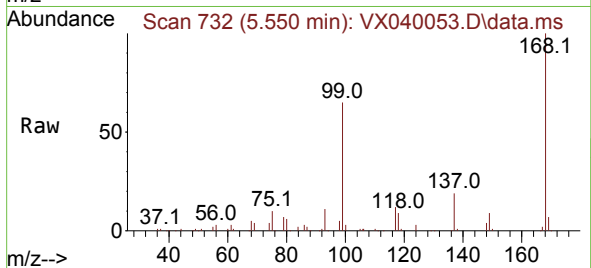




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

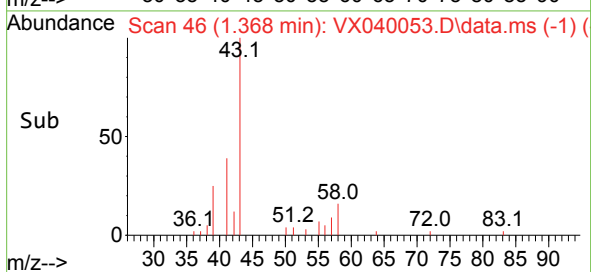
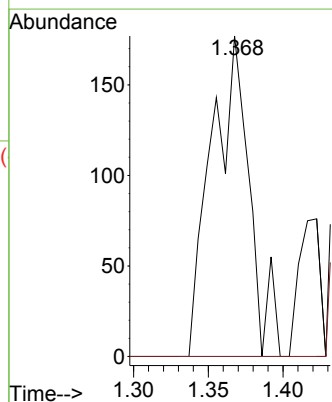
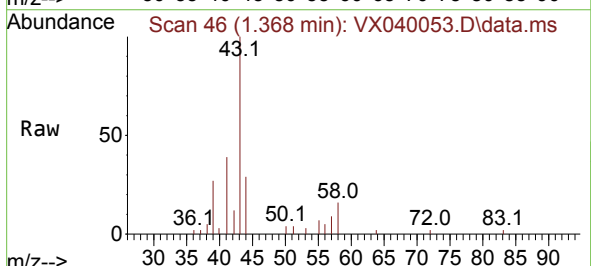
Instrument :
MSVOA_X
ClientSampleId :
1242

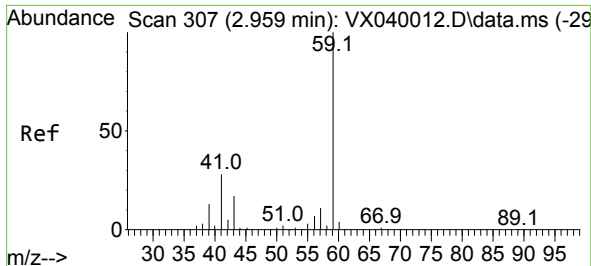
Tgt Ion:168 Resp: 90526
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#3
Chloromethane
Concen: 0.323 ug/l
RT: 1.368 min Scan# 46
Delta R.T. 0.073 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 50 Resp: 312
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

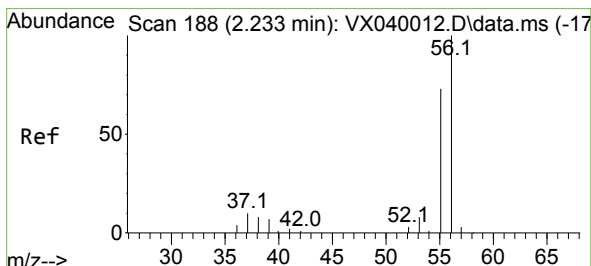
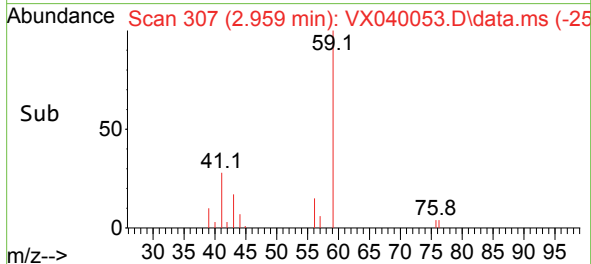
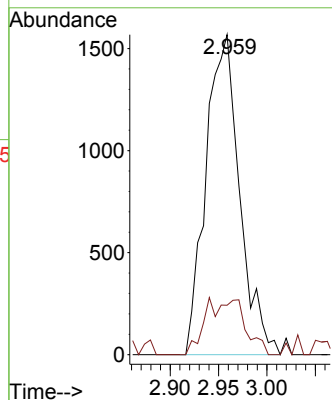
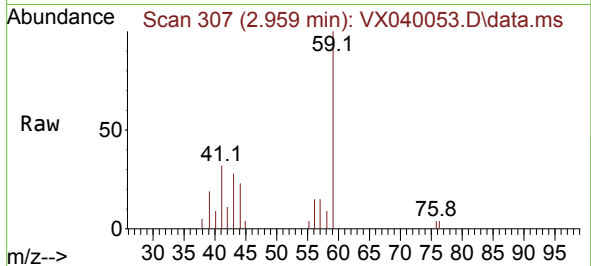




#11
Tert butyl alcohol
Concen: 14.379 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

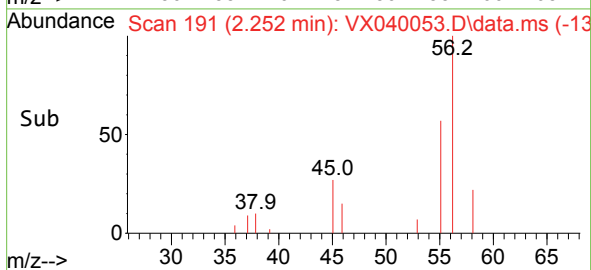
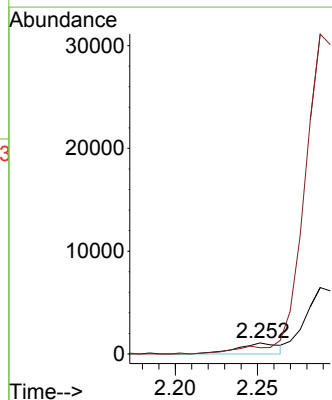
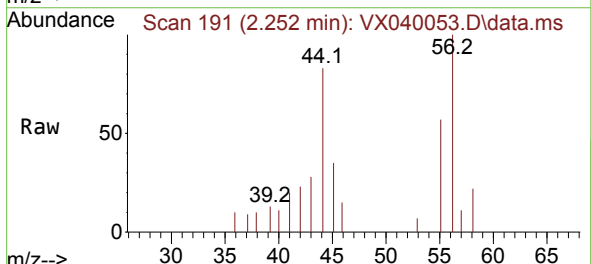
Instrument :
MSVOA_X
ClientSampleId :
1242

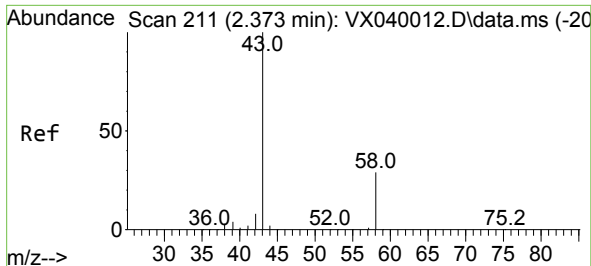
Tgt Ion: 59 Resp: 3801
Ion Ratio Lower Upper
59 100
57 7.2 6.0 9.0



#13
Acrolein
Concen: 7.391 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.018 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 56 Resp: 1872
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

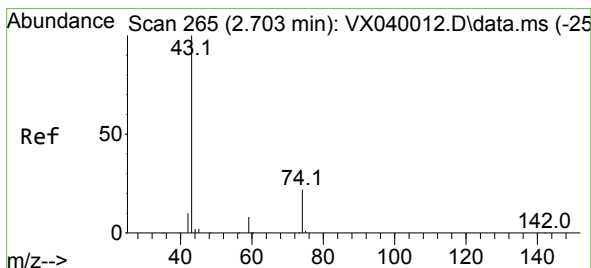
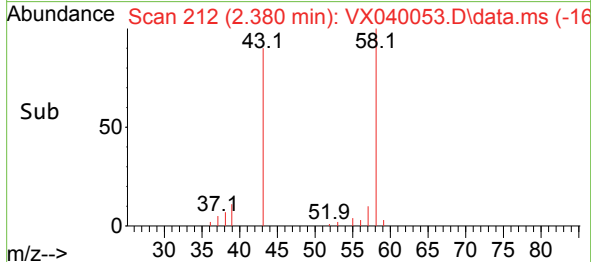
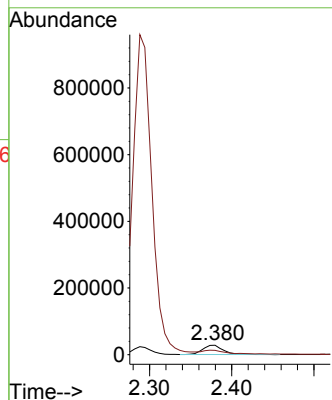
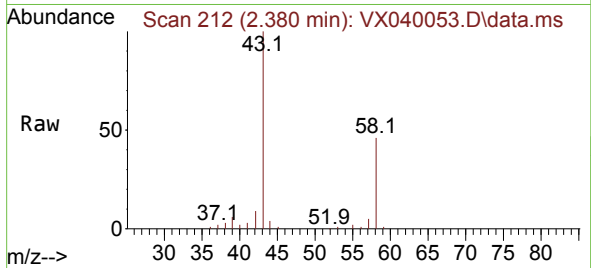




#16
Acetone
Concen: 70.349 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

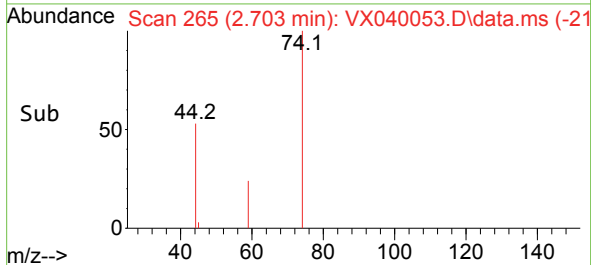
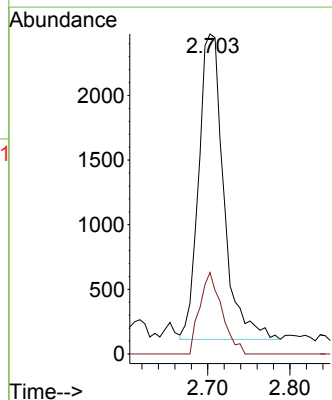
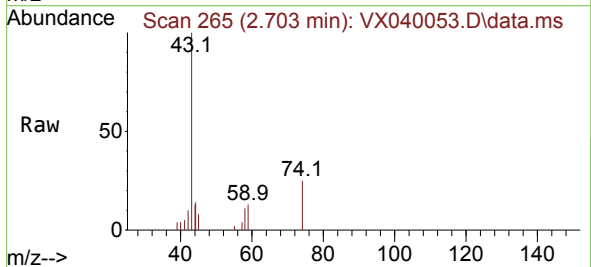
Instrument :
MSVOA_X
ClientSampleId :
1242

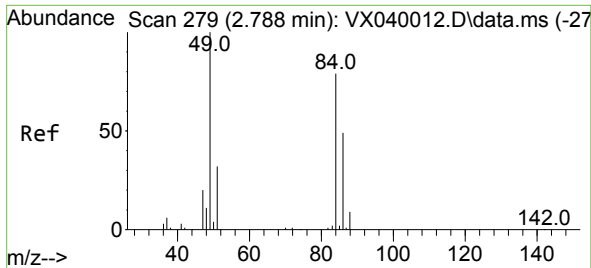
Tgt Ion: 43 Resp: 48022
Ion Ratio Lower Upper
43 100
58 39.3 21.9 32.9#



#18
Methyl Acetate
Concen: 3.091 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 43 Resp: 4998
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.8

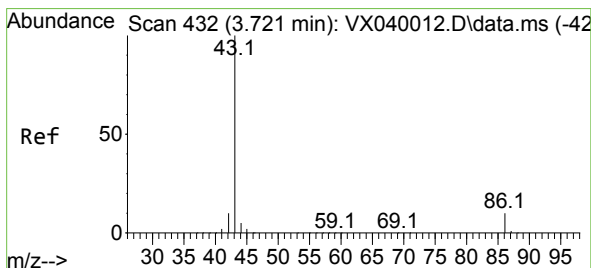
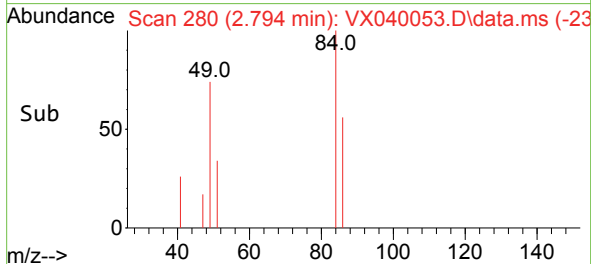
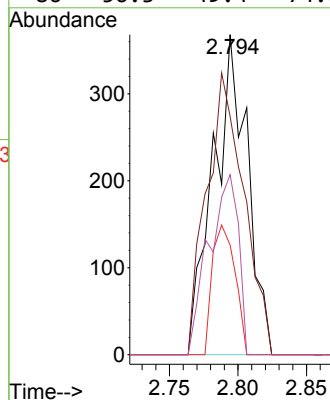
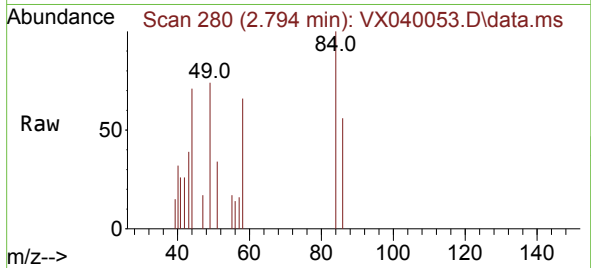




#20
Methylene Chloride
Concen: 0.526 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

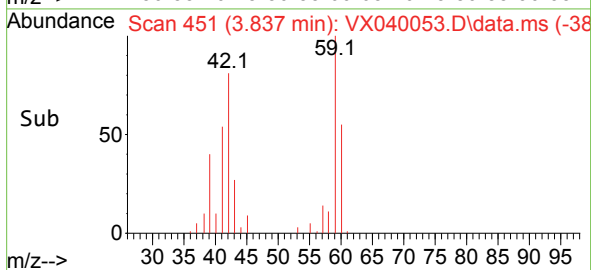
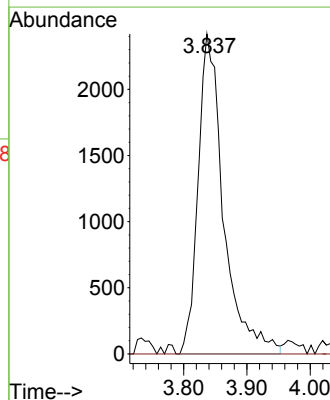
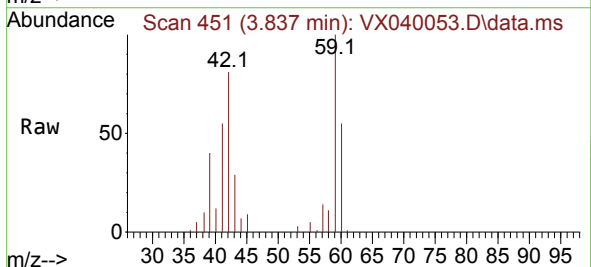
Instrument :
MSVOA_X
ClientSampleId :
1242

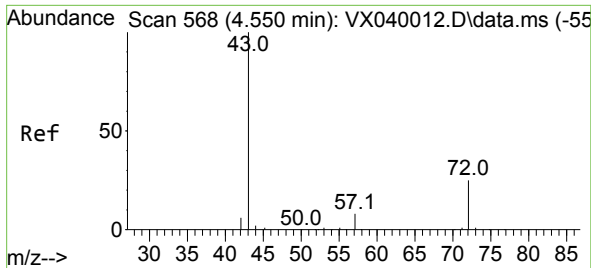
Tgt Ion: 84	Resp: 638
Ion Ratio	Lower Upper
84 100	
49 74.5	103.6 155.4#
51 34.2	33.8 50.6
86 56.3	49.4 74.0



#23
Vinyl Acetate
Concen: 2.126 ug/l
RT: 3.837 min Scan# 451
Delta R.T. 0.116 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 43	Resp: 6763
Ion Ratio	Lower Upper
43 100	
86 0.0	7.8 11.8#

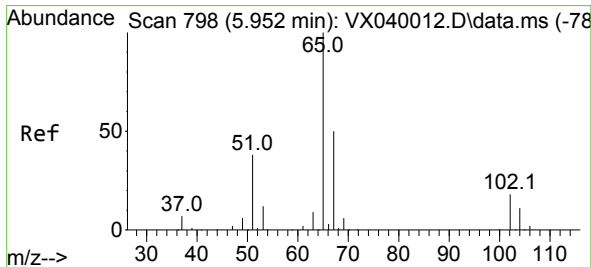
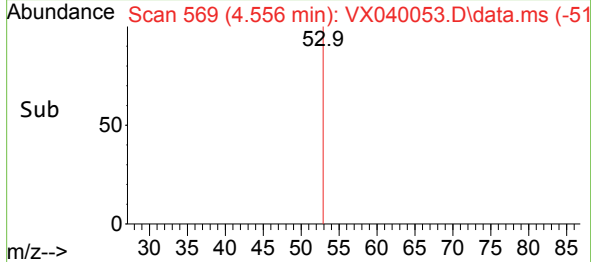
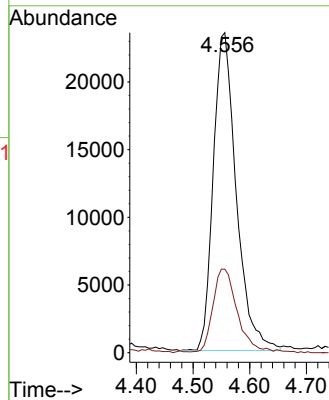
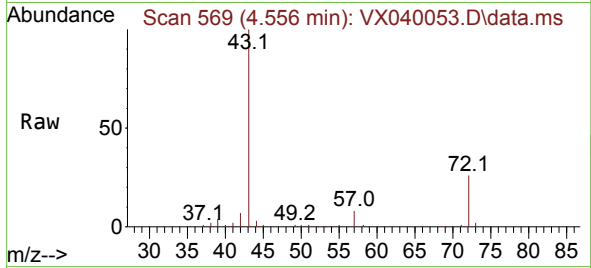




#25
2-Butanone
Concen: 69.692 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

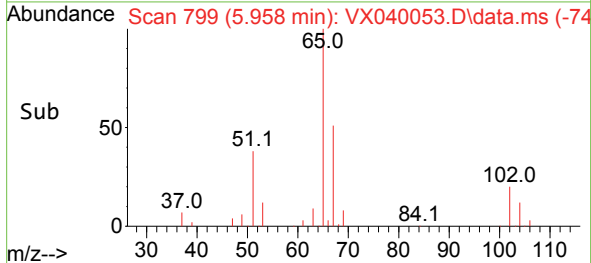
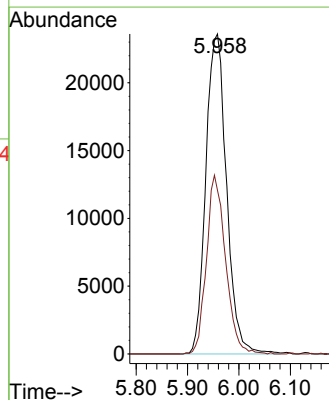
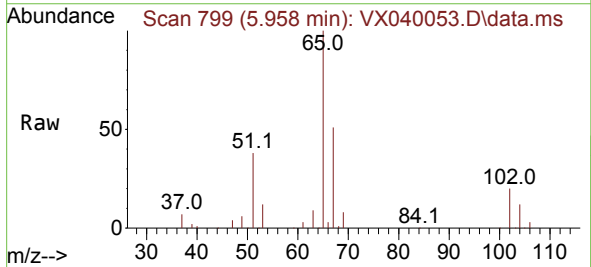
Instrument :
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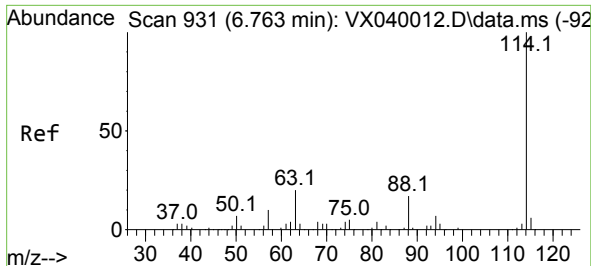
Tgt Ion: 43 Resp: 66132
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 45.236 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 65 Resp: 65905
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

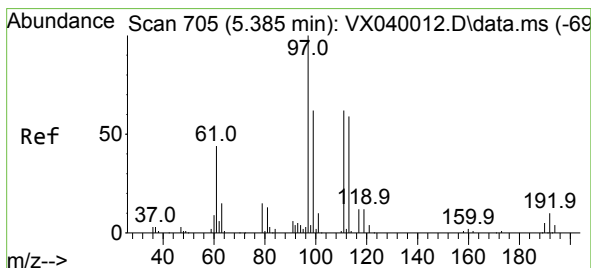
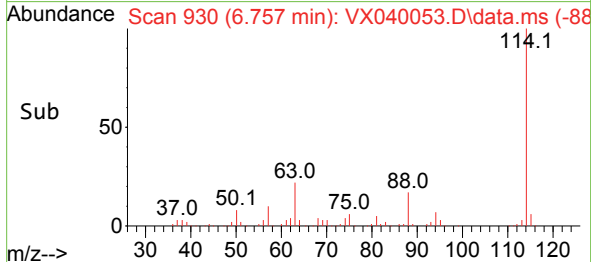
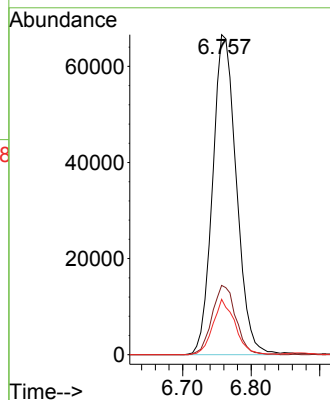
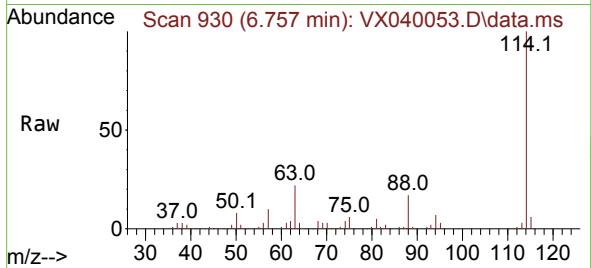




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

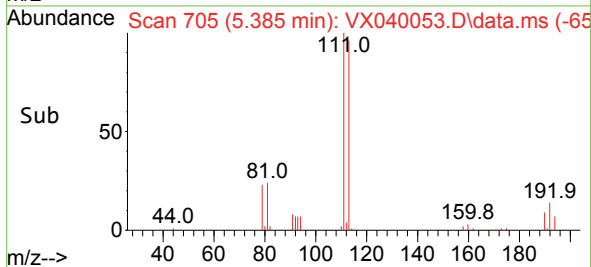
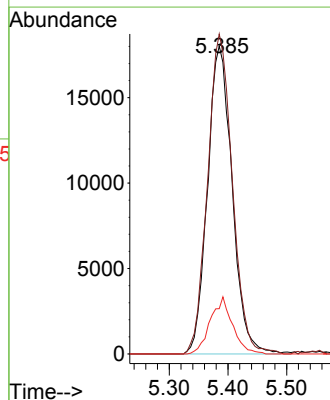
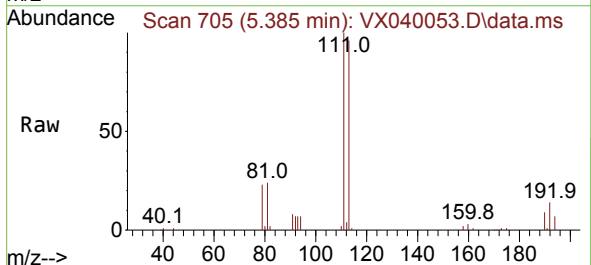
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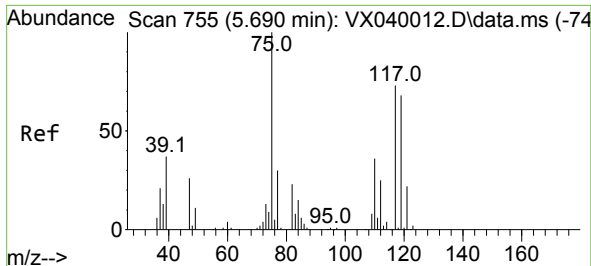
Tgt Ion:114 Resp: 160449
Ion Ratio Lower Upper
114 100
63 21.6 0.0 45.0
88 17.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.001 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion:113 Resp: 52428
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 16.7 13.3 19.9

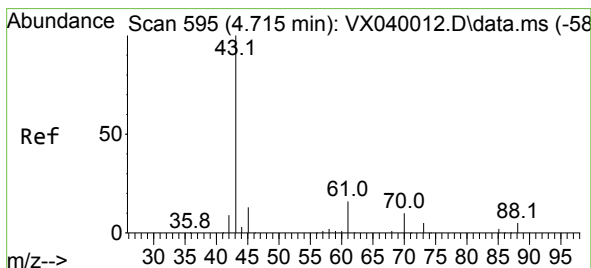
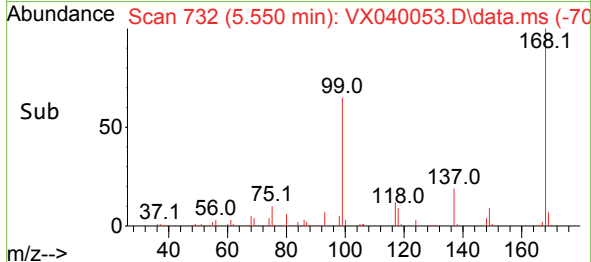
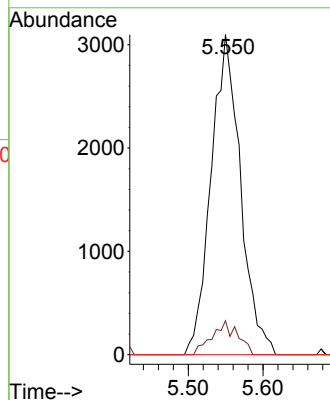
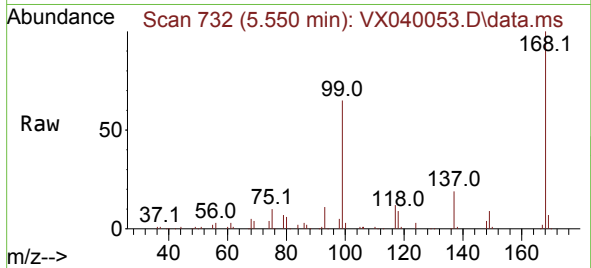




#36
1,1-Dichloropropene
Concen: 5.366 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

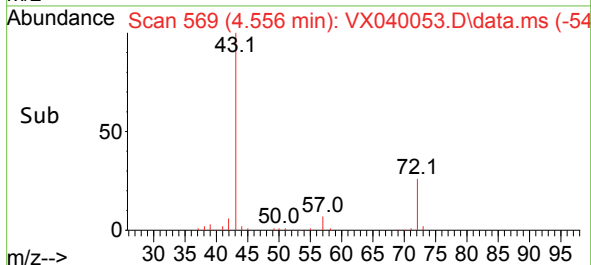
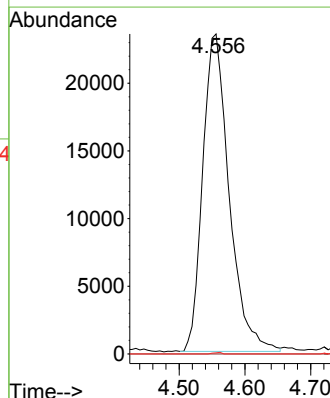
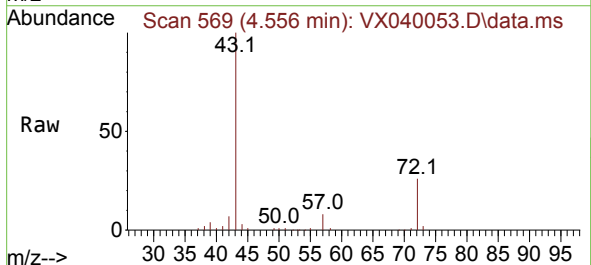
Instrument :
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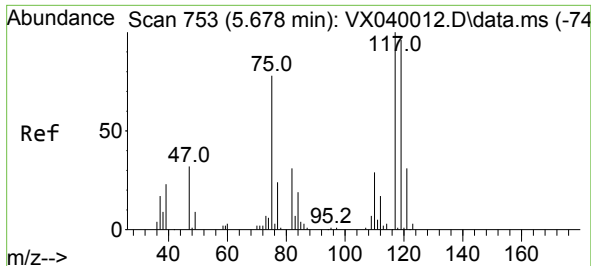
Tgt Ion: 75 Resp: 8476
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 38.086 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.159 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

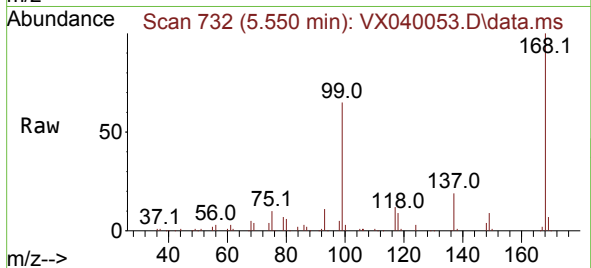
Tgt Ion: 43 Resp: 65703
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.3 12.5#



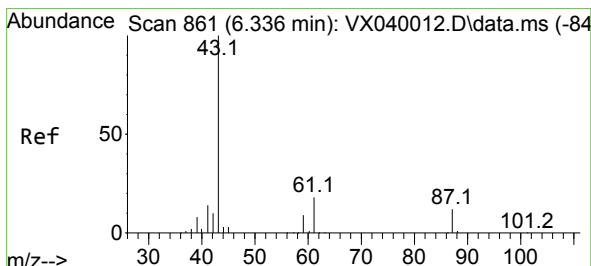
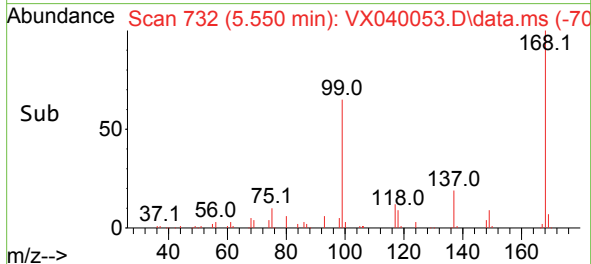
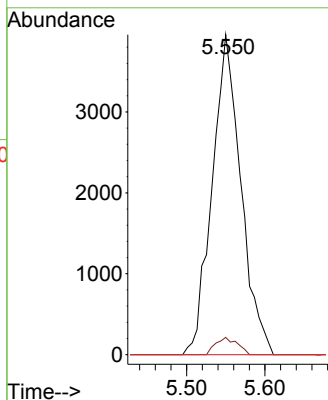


#38
Carbon Tetrachloride
Concen: 6.676 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.128 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Instrument :
MSVOA_X
ClientSampleId :
1242

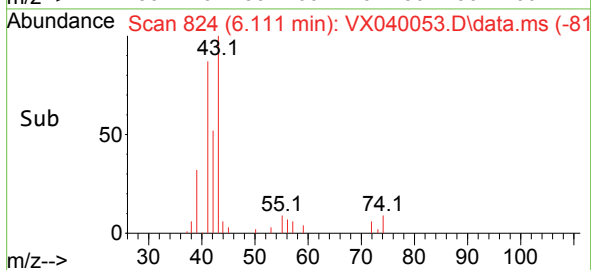
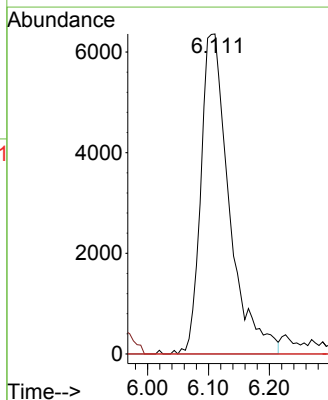
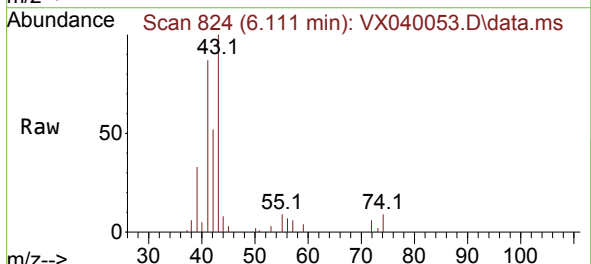


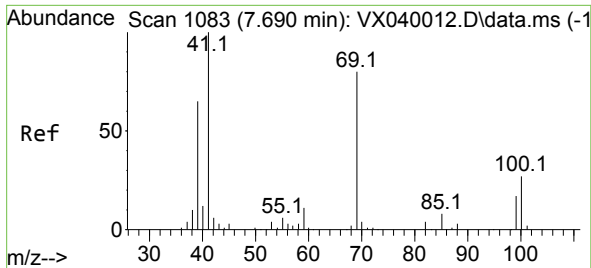
Tgt Ion:117 Resp: 10090
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 7.556 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.226 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 43 Resp: 20556
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#

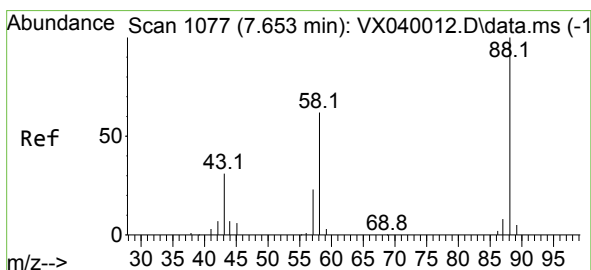
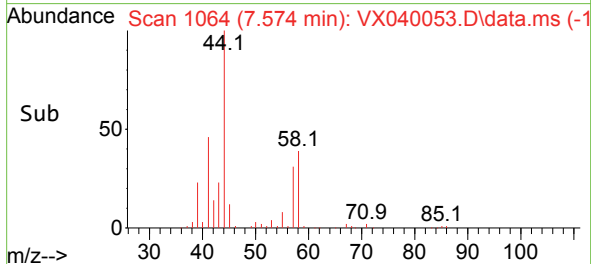
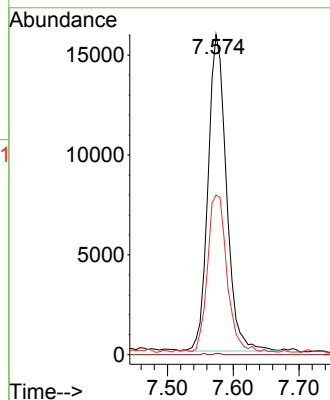
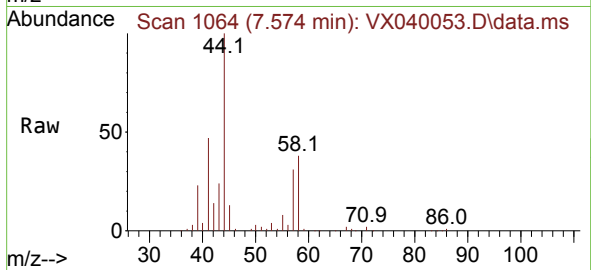




#48
Methyl methacrylate
Concen: 23.056 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.116 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

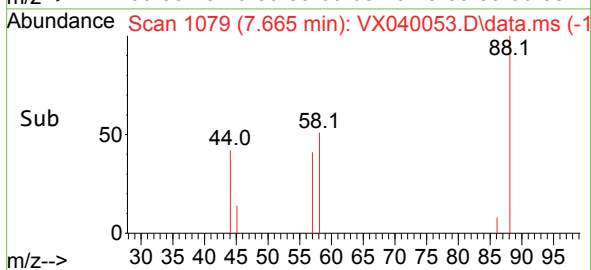
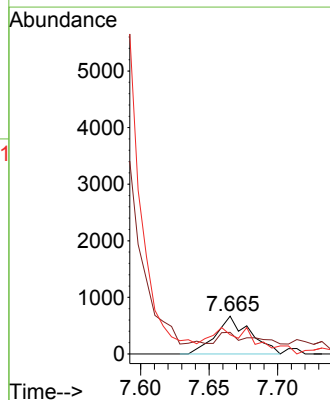
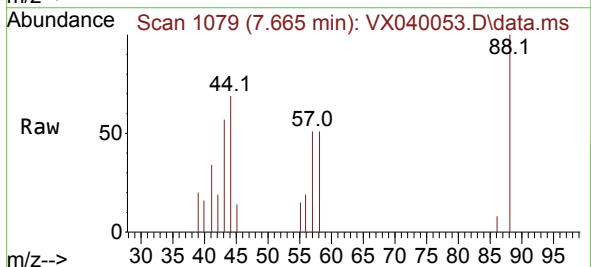
Instrument :
MSVOA_X
ClientSampleId :
1242

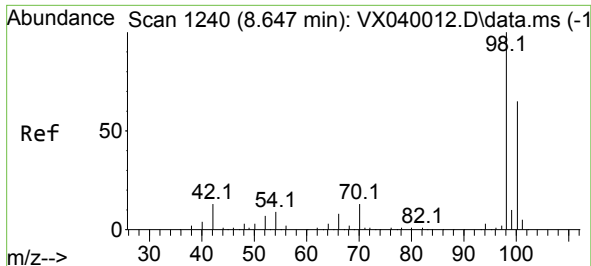
Tgt Ion: 41 Resp: 30899
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.6 47.7 71.5



#49
1,4-Dioxane
Concen: 40.245 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 88 Resp: 1172
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 91.0 60.1 90.1#

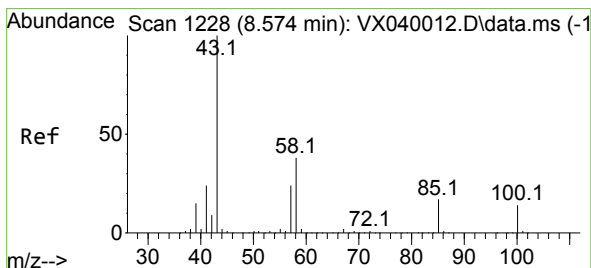
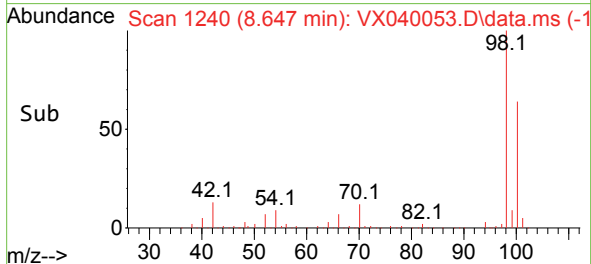
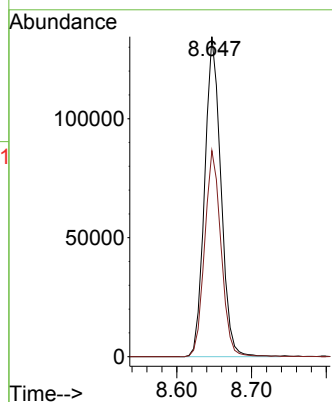
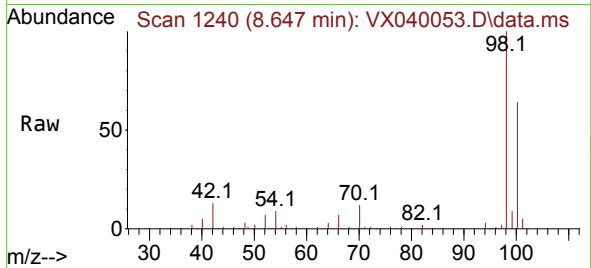




#50
Toluene-d8
Concen: 49.631 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

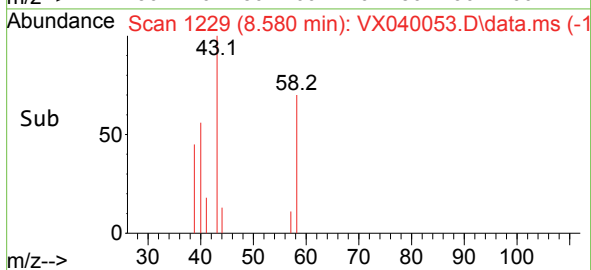
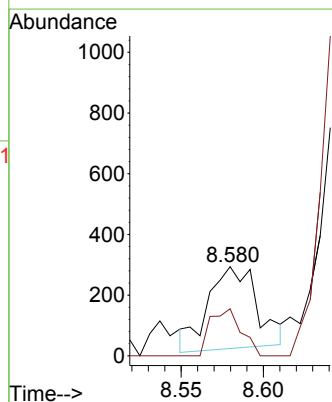
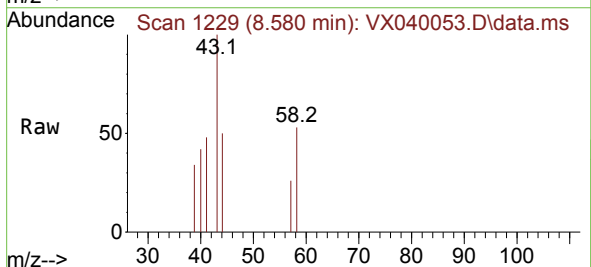
Instrument :
MSVOA_X
ClientSampleId :
1242

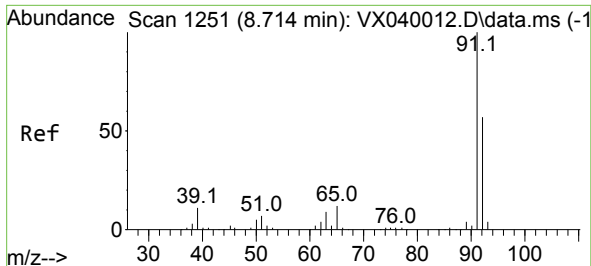
Tgt Ion: 98 Resp: 202725
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 36.5 30.4 45.6

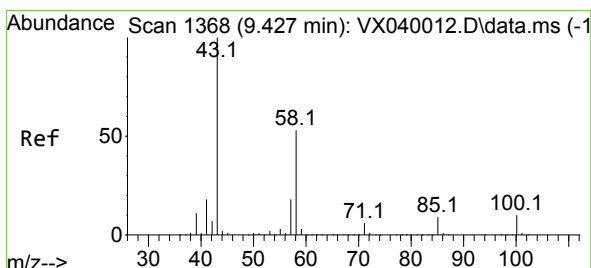
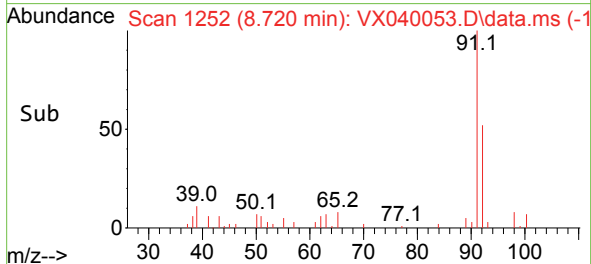
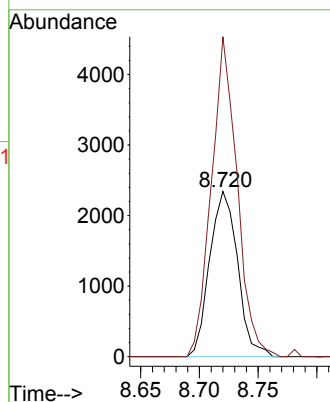
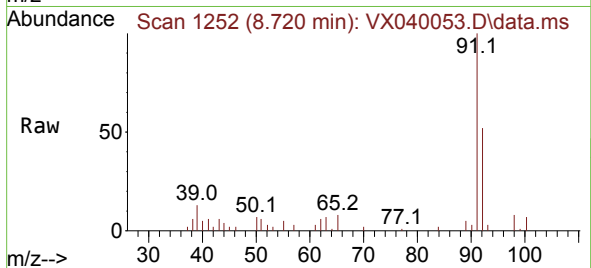




#52
Toluene
Concen: 1.352 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

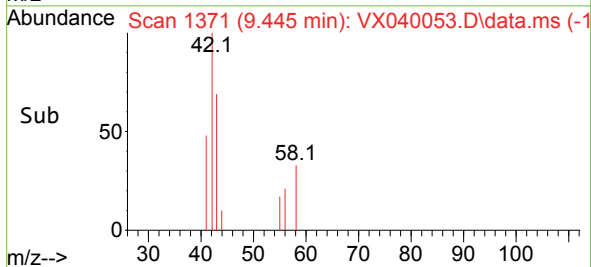
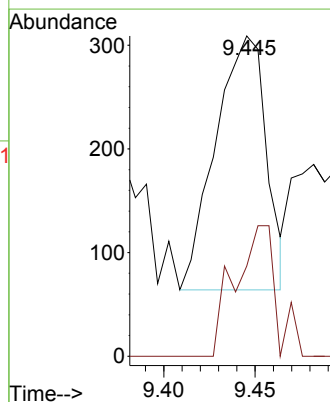
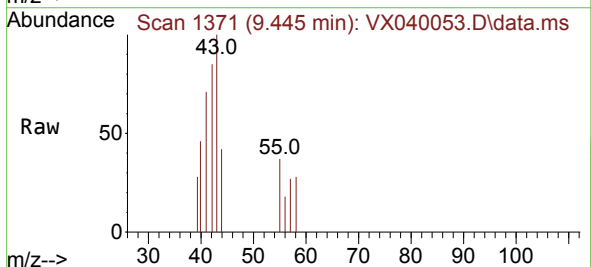
Instrument :
MSVOA_X
ClientSampleId :
1242

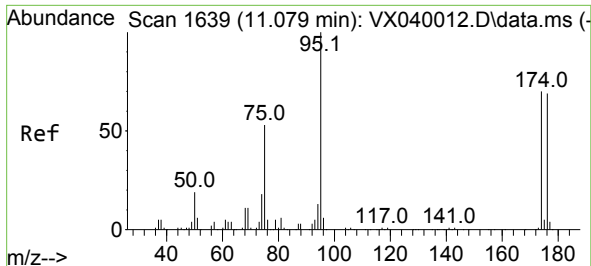
Tgt Ion: 92 Resp: 3878
Ion Ratio Lower Upper
92 100
91 178.6 134.2 201.2



#59
2-Hexanone
Concen: 0.319 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 41.9 26.2 78.5

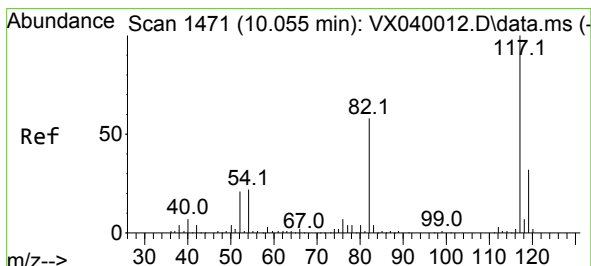
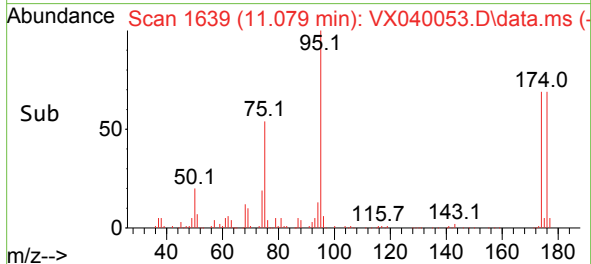
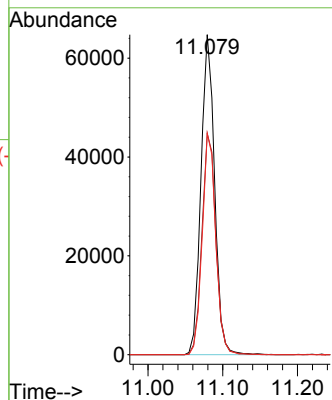
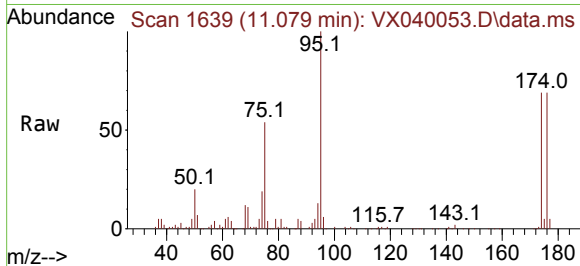




#62
4-Bromofluorobenzene
Concen: 52.063 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

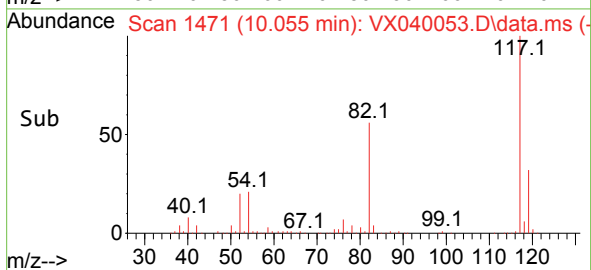
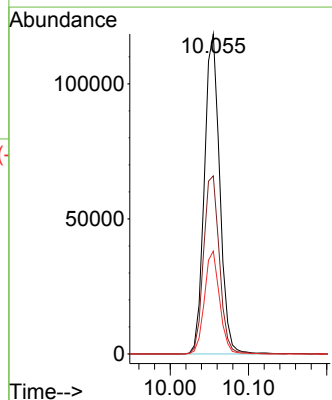
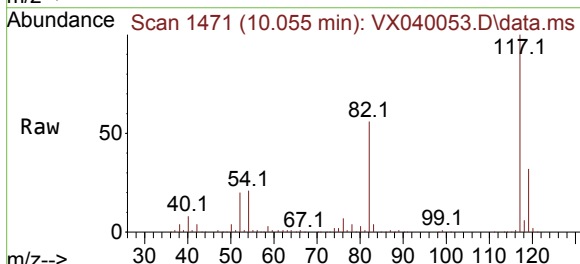
Instrument :
MSVOA_X
ClientSampleId :
1242

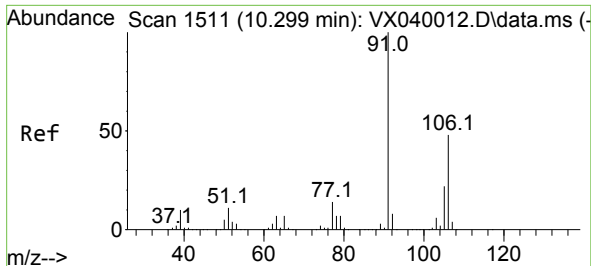
Tgt Ion: 95 Resp: 81884
Ion Ratio Lower Upper
95 100
174 70.5 0.0 135.6
176 68.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion: 117 Resp: 161291
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.2 25.5 38.3

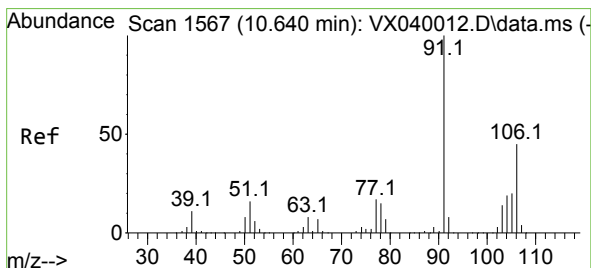
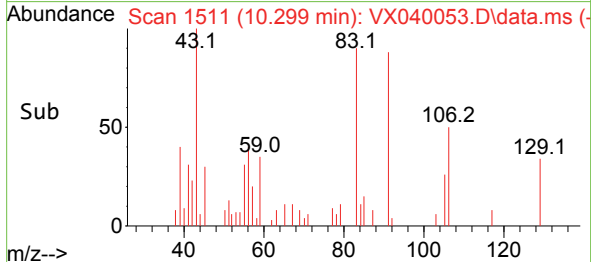
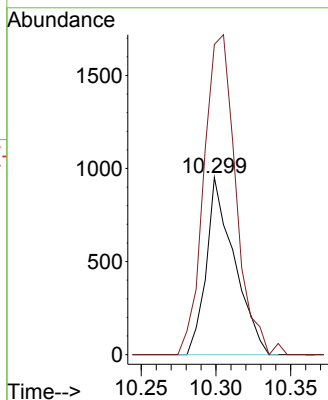
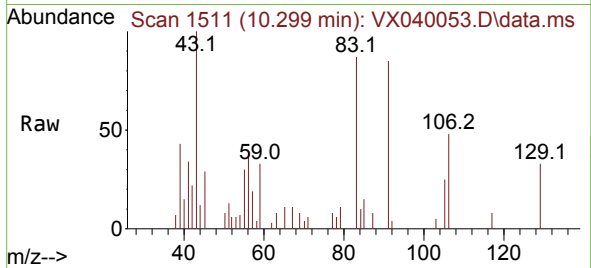




#68
m/p-Xylenes
Concen: 0.551 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

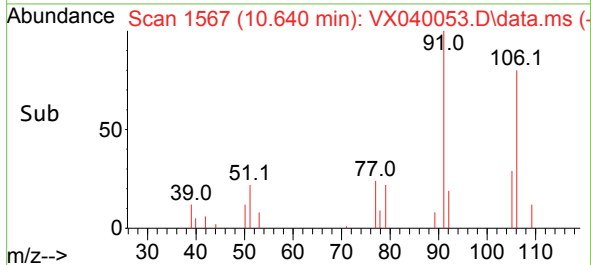
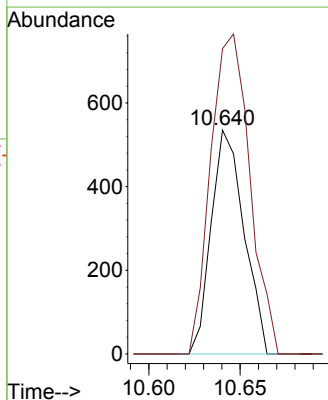
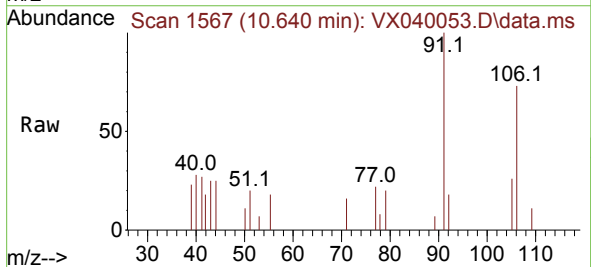
Instrument :
MSVOA_X
ClientSampleId :
1242

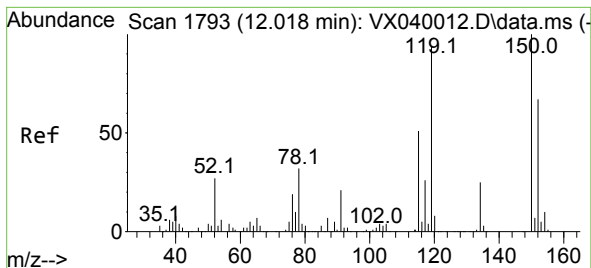
Tgt Ion:106 Resp: 1240
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3



#69
o-Xylene
Concen: 0.313 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040053.D
Acq: 31 Jan 2024 17:23

Tgt Ion:106 Resp: 669
Ion Ratio Lower Upper
106 100
91 170.6 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

Instrument :

MSVOA_X

ClientSampleId :

1242

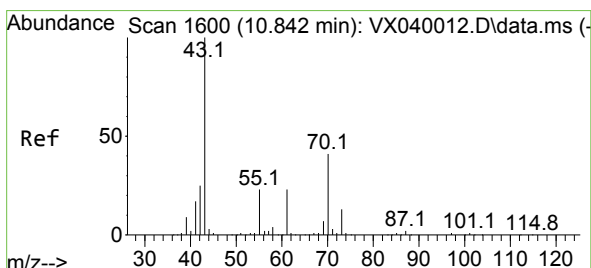
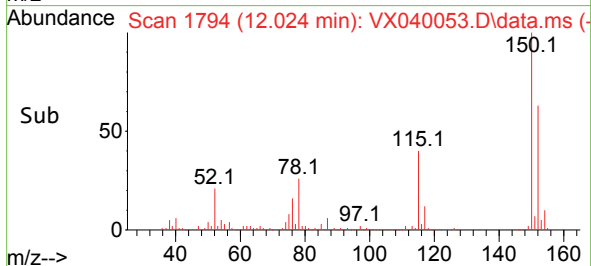
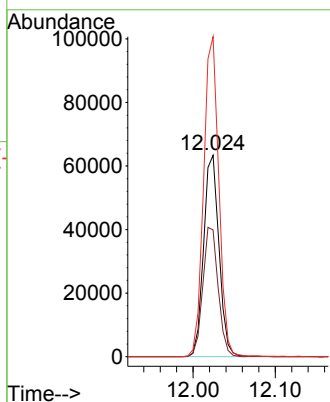
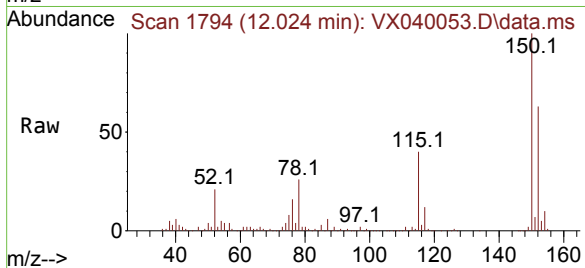
Tgt Ion:152 Resp: 82306

Ion Ratio Lower Upper

152 100

115 64.0 43.3 129.9

150 157.1 0.0 345.0



#74

N-ethyl acetate

Concen: 15.035 ug/l

RT: 10.750 min Scan# 1585

Delta R.T. -0.092 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

Tgt Ion: 43 Resp: 40364

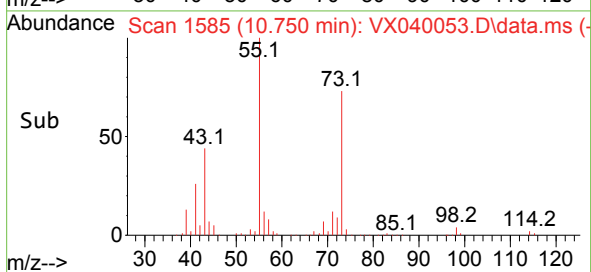
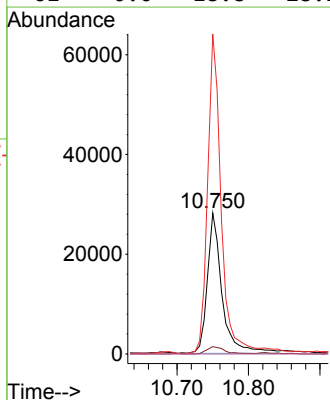
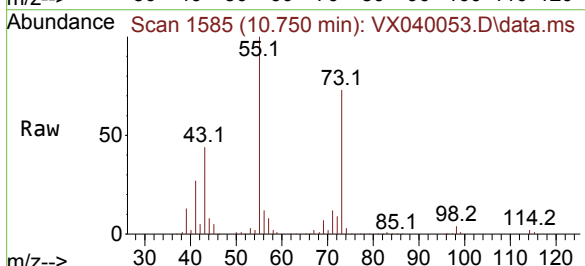
Ion Ratio Lower Upper

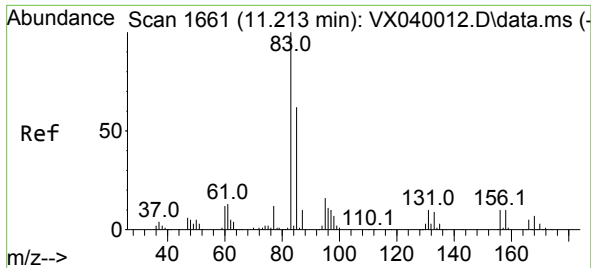
43 100

70 6.3 32.9 49.3#

55 212.6 19.3 28.9#

61 0.0 18.8 28.2#

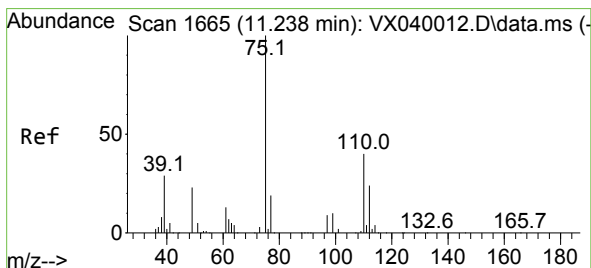
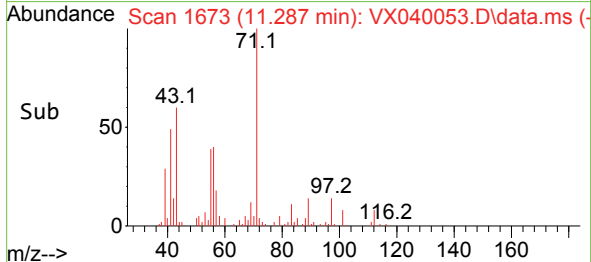
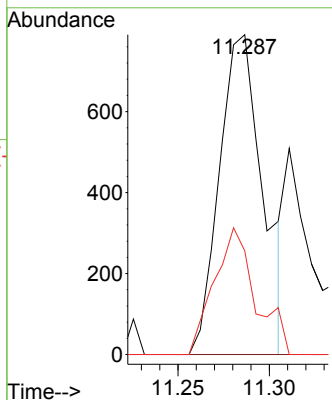
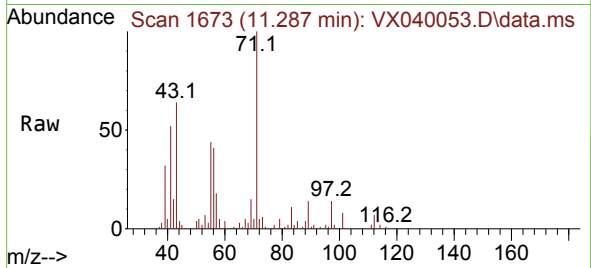




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.588 ug/l
 RT: 11.287 min Scan# 1673
 Delta R.T. 0.073 min
 Lab File: VX040053.D
 Acq: 31 Jan 2024 17:23

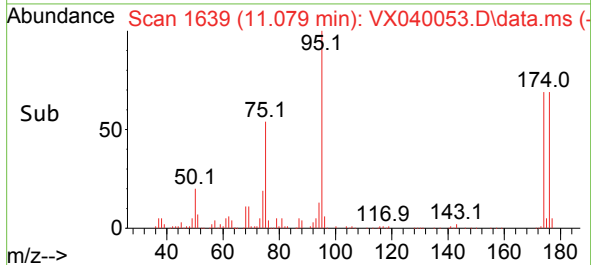
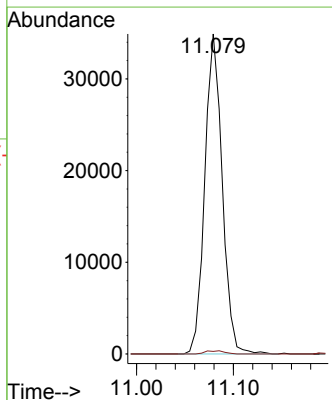
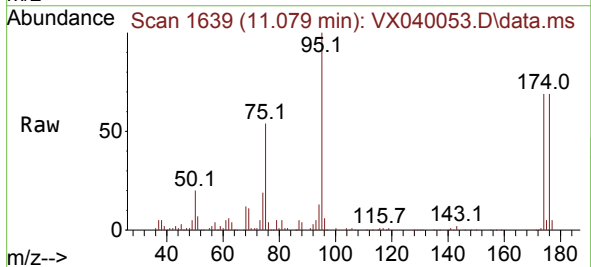
Instrument :
 MSVOA_X
 ClientSampleId :
 1242

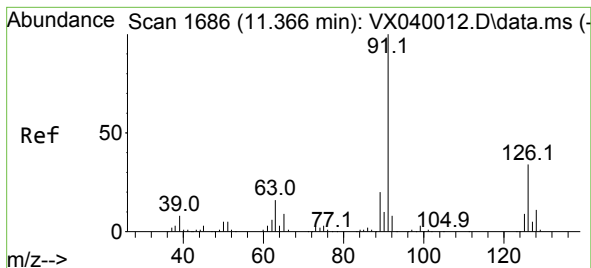
Tgt Ion: 83 Resp: 1307
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.8#
 85 37.9 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 24.966 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040053.D
 Acq: 31 Jan 2024 17:23

Tgt Ion: 75 Resp: 43758
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#79

2-Chlorotoluene

Concen: 0.293 ug/l

RT: 11.390 min Scan# 1690

Delta R.T. 0.024 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

Instrument :

MSVOA_X

ClientSampleId :

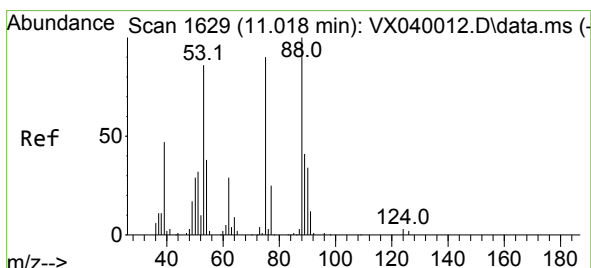
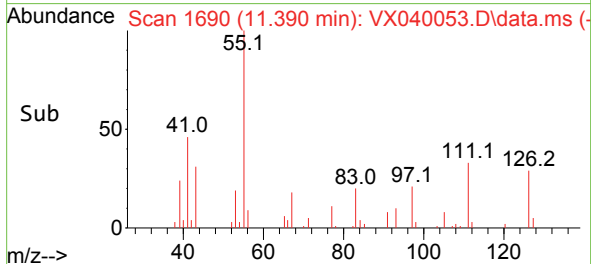
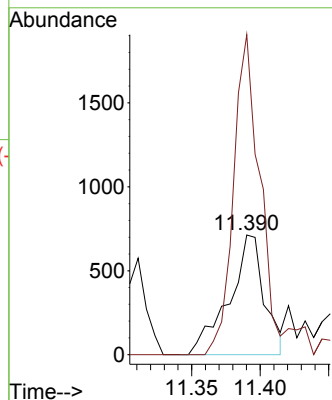
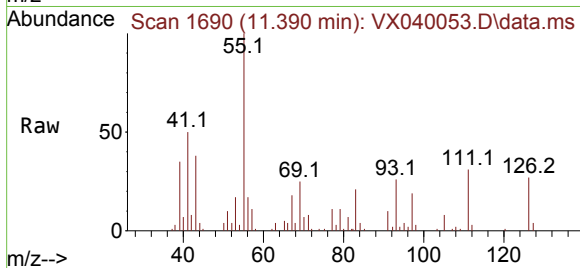
1242

Tgt Ion: 91 Resp: 1283

Ion Ratio Lower Upper

91 100

126 210.4 16.3 48.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

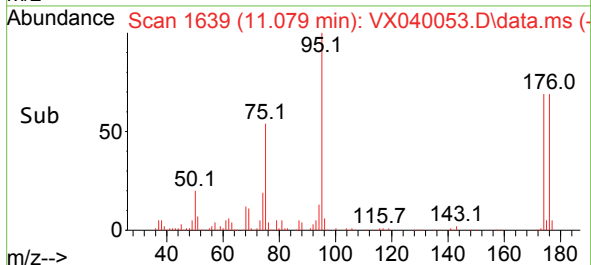
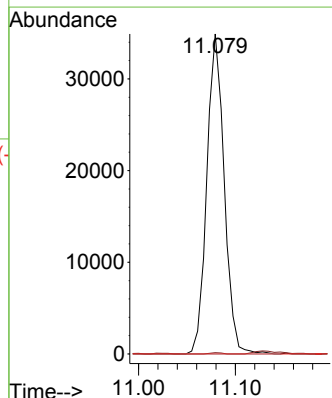
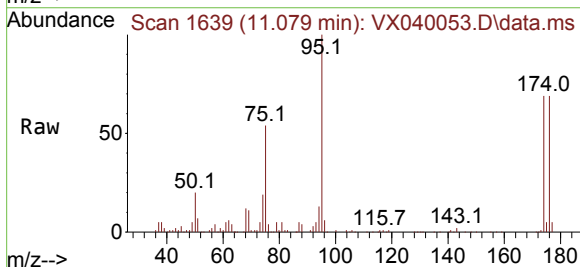
Tgt Ion: 75 Resp: 43758

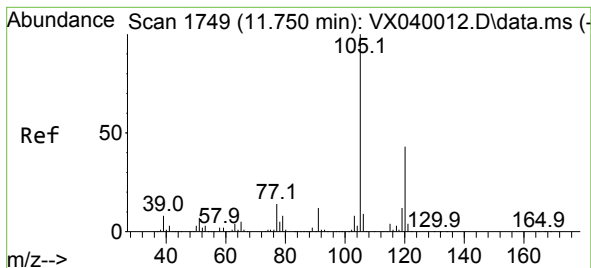
Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.452 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

Instrument :

MSVOA_X

ClientSampleId :

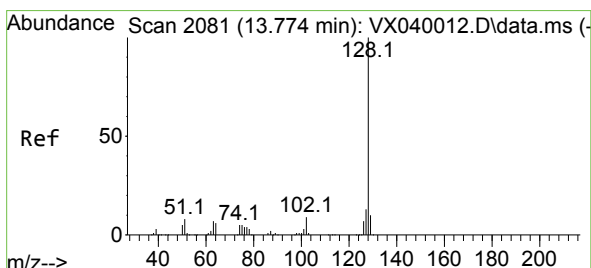
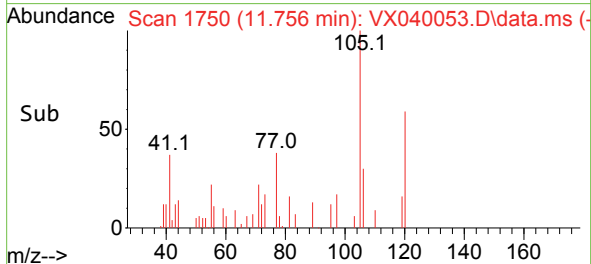
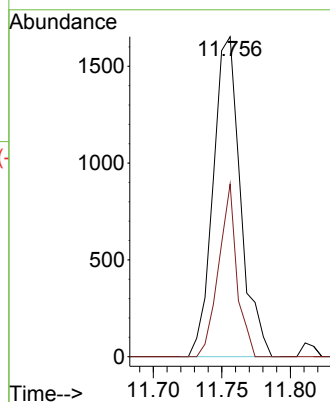
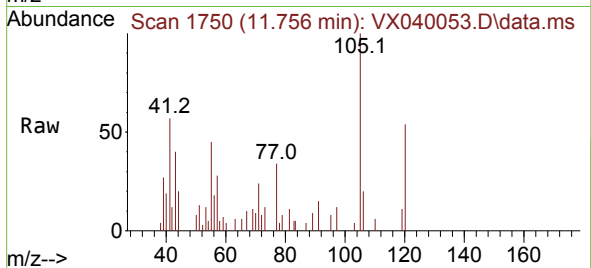
1242

Tgt Ion:105 Resp: 2292

Ion Ratio Lower Upper

105 100

120 35.9 21.2 63.6



#95

Naphthalene

Concen: 0.340 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX040053.D

Acq: 31 Jan 2024 17:23

Tgt Ion:128 Resp: 1915

Ion Ratio Lower Upper

128 100

127 19.9 10.3 15.5#

129 7.9 8.8 13.2#

