

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040517.D
 Acq On : 28 Feb 2024 17:35
 Operator : JC/MD
 Sample : P1613-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1851DL

Quant Time: Feb 29 03:53:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

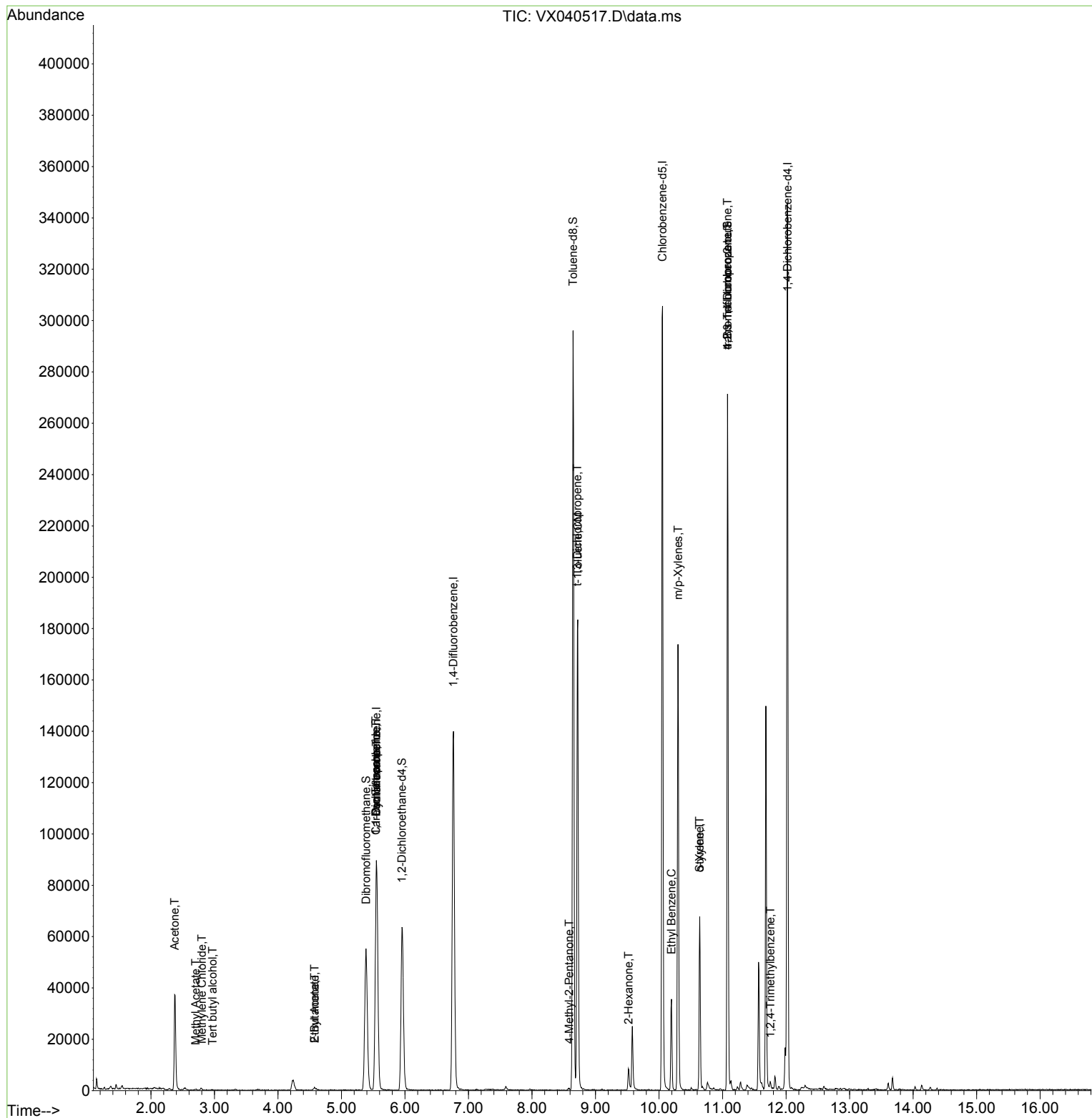
Internal Standards						
1) Pentafluorobenzene	5.550	168	78241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136609	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65037	49.699	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.400%		
35) Dibromofluoromethane	5.385	113	46304	48.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	8.647	98	166151	48.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.360%		
62) 4-Bromofluorobenzene	11.079	95	66155	50.329	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.660%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	405	1.841	ug/l #	78
16) Acetone	2.374	43	40044	93.831	ug/l	97
18) Methyl Acetate	2.703	43	478	0.363	ug/l #	71
20) Methylene Chloride	2.800	84	379	0.371	ug/l #	43
25) 2-Butanone	4.574	43	1589	2.137	ug/l #	74
31) Cyclohexane	5.550	56	2184	1.473	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	7535	5.148	ug/l #	51
37) Ethyl Acetate	4.574	43	1589	0.992	ug/l #	69
38) Carbon Tetrachloride	5.544	117	8936	6.320	ug/l #	16
51) 4-Methyl-2-Pentanone	8.586	43	625	0.376	ug/l #	83
52) Toluene	8.720	92	66064	27.166	ug/l	94
53) t-1,3-Dichloropropene	8.714	75	891	0.572	ug/l #	1
59) 2-Hexanone	9.519	43	1252	0.980	ug/l #	45
67) Ethyl Benzene	10.195	91	20407	3.984	ug/l	100
68) m/p-Xylenes	10.299	106	36760	19.219	ug/l	93
69) o-Xylene	10.640	106	13942	7.621	ug/l	98
70) Styrene	10.640	104	830	0.272	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	38672	26.264	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38672	76.386	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1457	0.350	ug/l	97

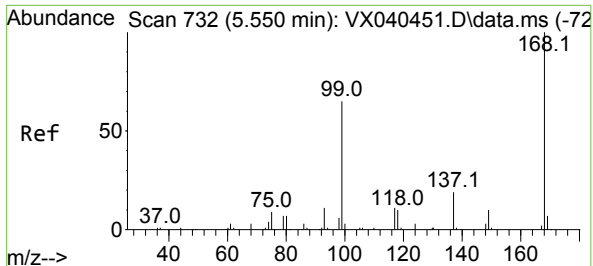
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

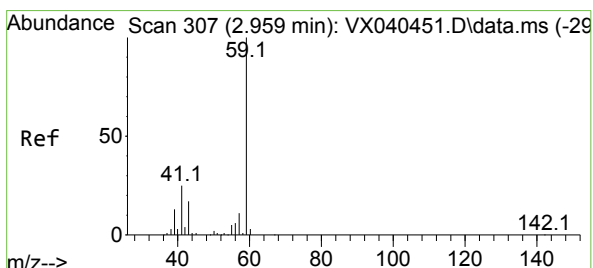
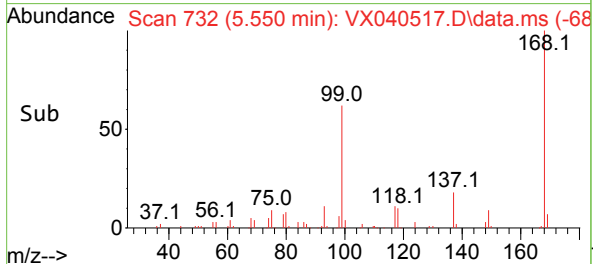
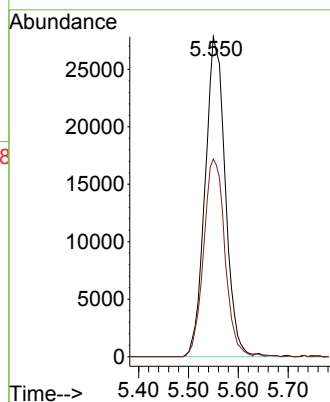
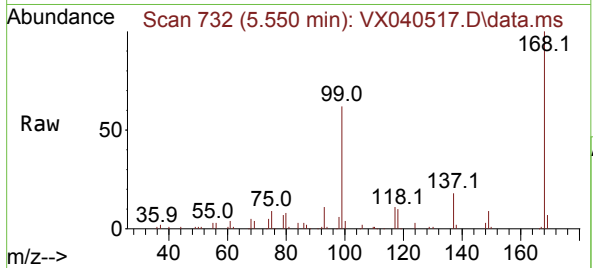




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

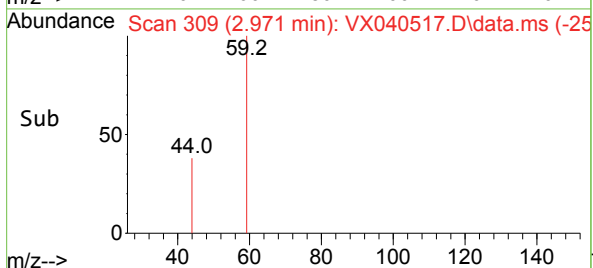
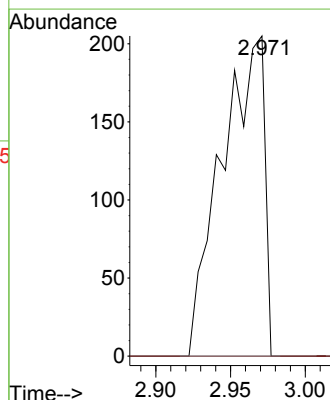
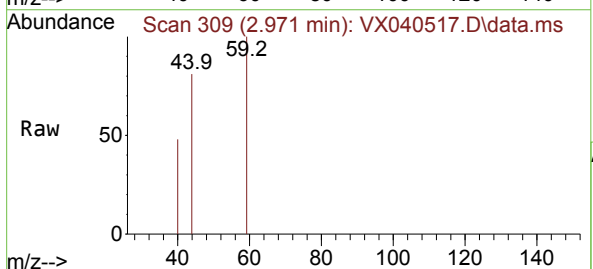
Instrument :
MSVOA_X
ClientSampleId :
1851DL

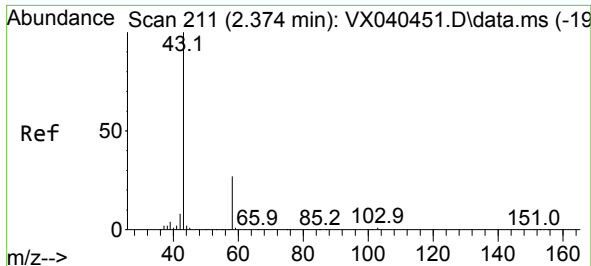
Tgt Ion:168 Resp: 78241
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.841 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.012 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

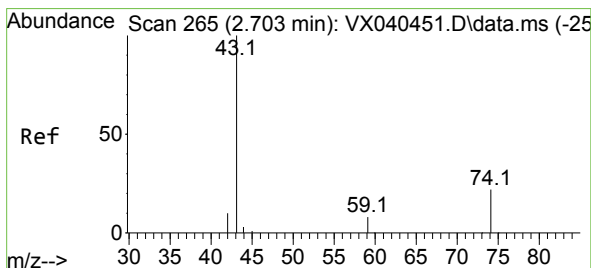
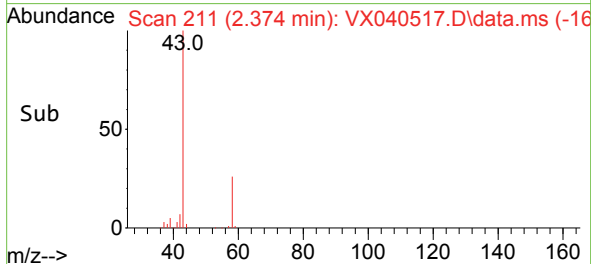
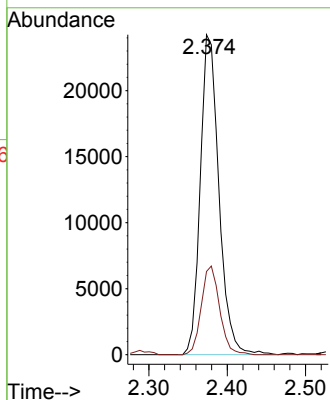
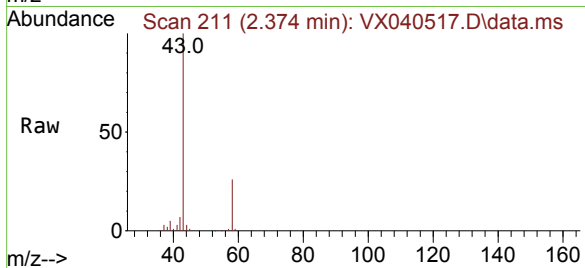




#16
Acetone
Concen: 93.831 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

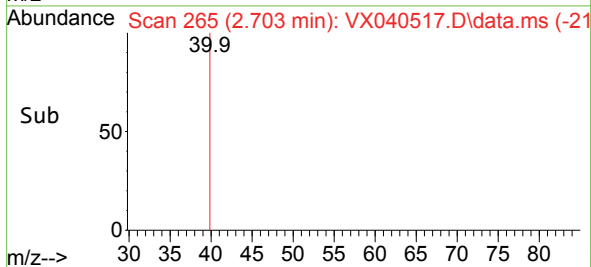
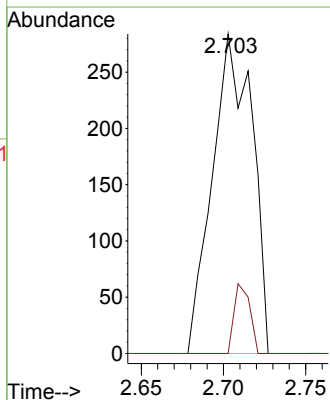
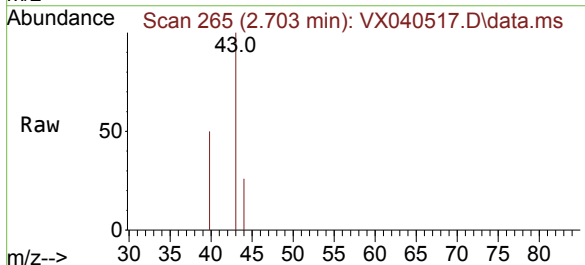
Instrument :
MSVOA_X
ClientSampleId :
1851DL

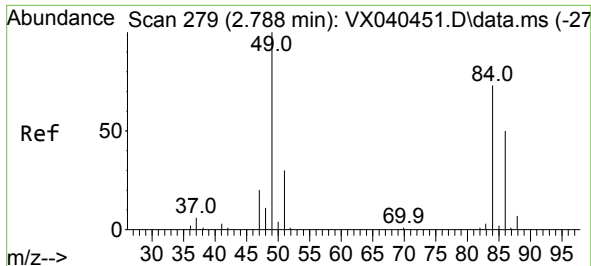
Tgt Ion: 43 Resp: 40044
Ion Ratio Lower Upper
43 100
58 26.0 21.9 32.9



#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
74 8.6 17.8 26.8#





#20

Methylene Chloride

Concen: 0.371 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX040517.D

Acq: 28 Feb 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

1851DL

Tgt Ion: 84 Resp: 379

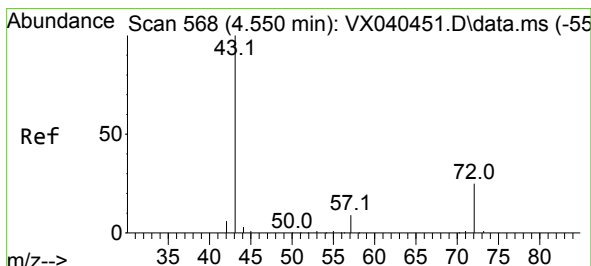
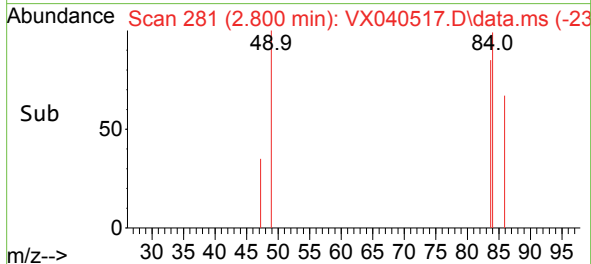
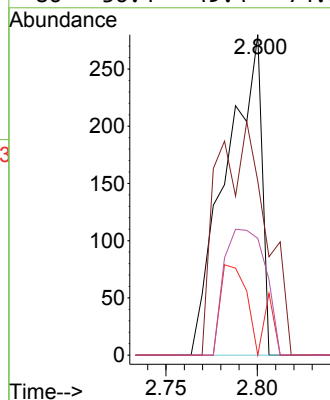
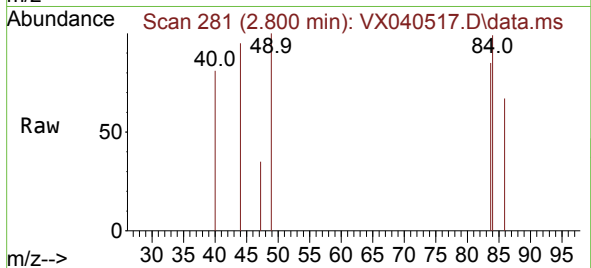
Ion Ratio Lower Upper

84 100

49 54.3 103.6 155.4#

51 0.0 33.8 50.6#

86 36.4 49.4 74.0#



#25

2-Butanone

Concen: 2.137 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.024 min

Lab File: VX040517.D

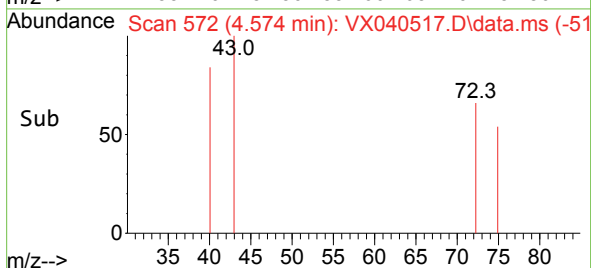
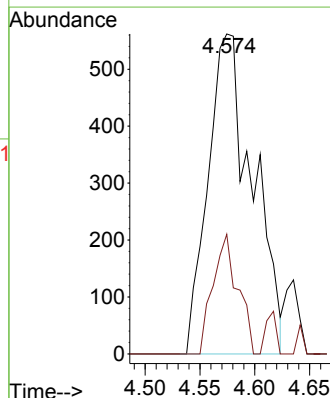
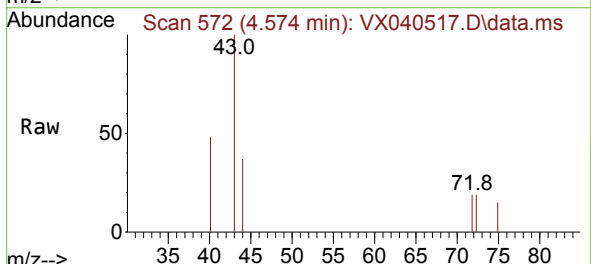
Acq: 28 Feb 2024 17:35

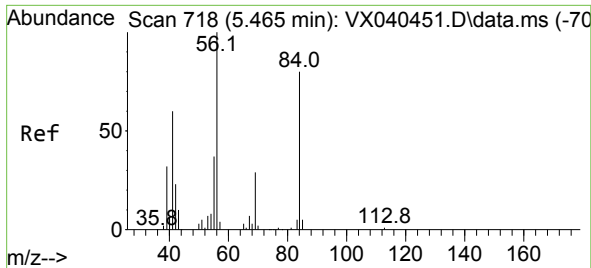
Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

72 37.4 19.4 29.2#

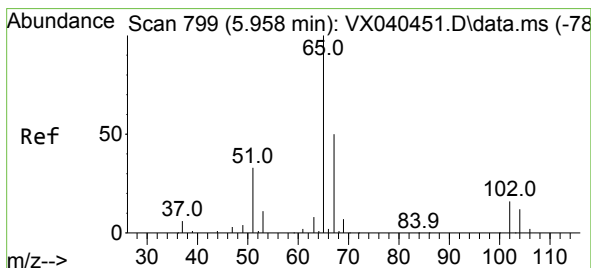
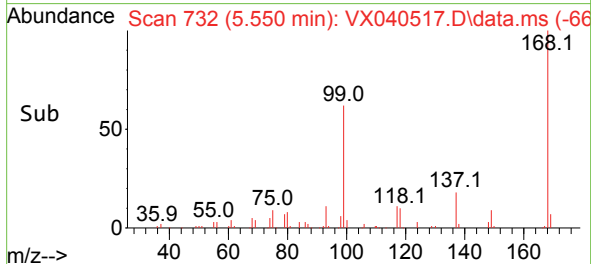
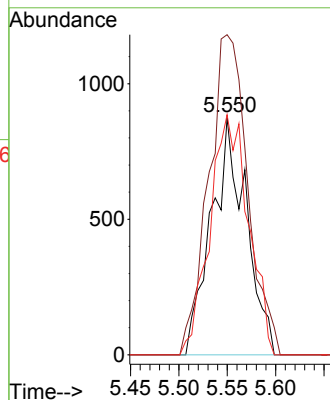
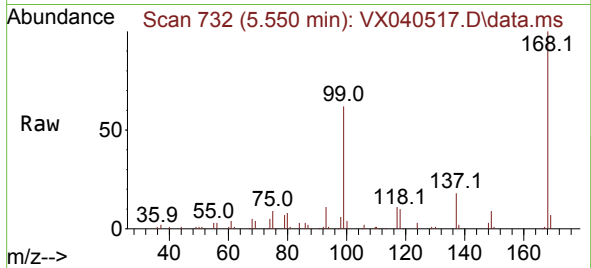




#31
Cyclohexane
Concen: 1.473 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

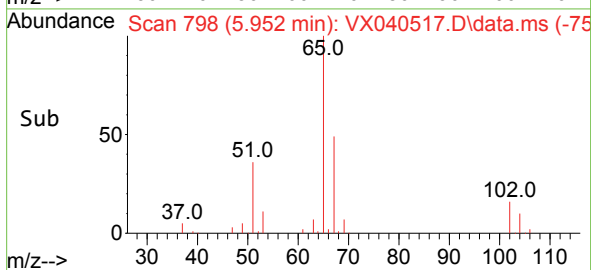
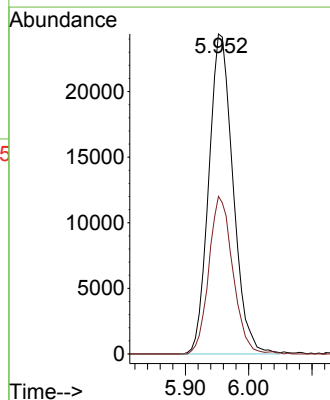
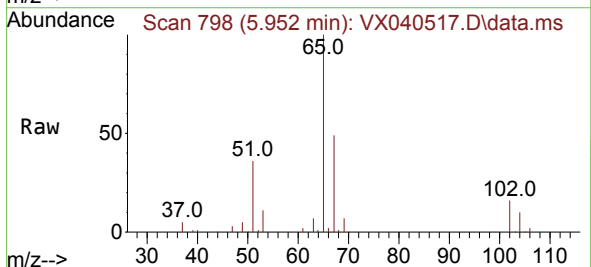
Instrument :
MSVOA_X
ClientSampleId :
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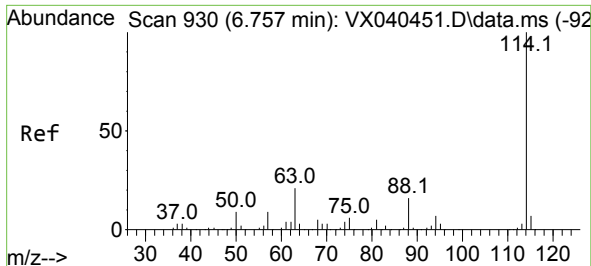
Tgt Ion: 56 Resp: 2184
Ion Ratio Lower Upper
56 100
69 134.8 23.4 35.2#
84 101.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.699 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 65 Resp: 65037
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.2

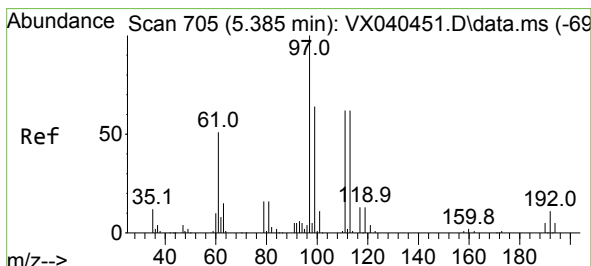
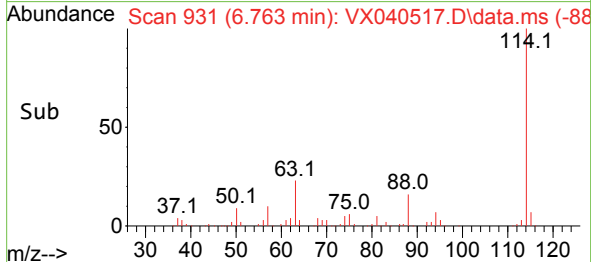
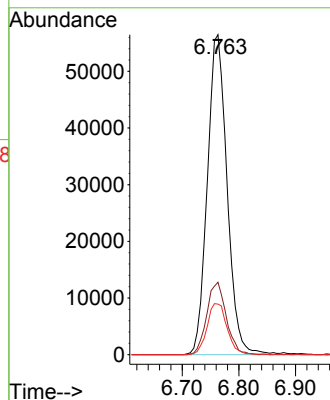
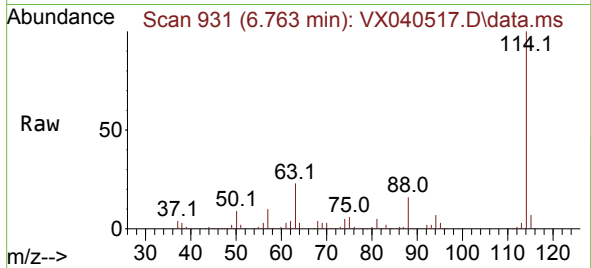




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

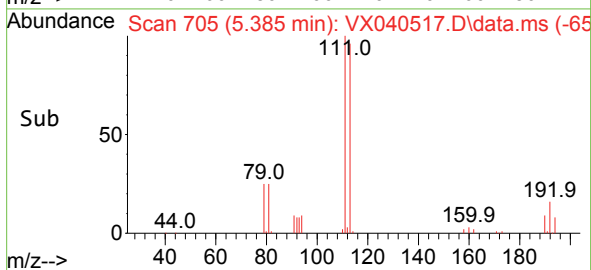
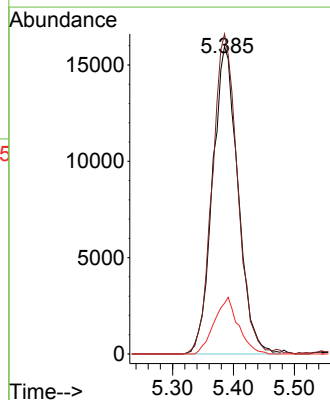
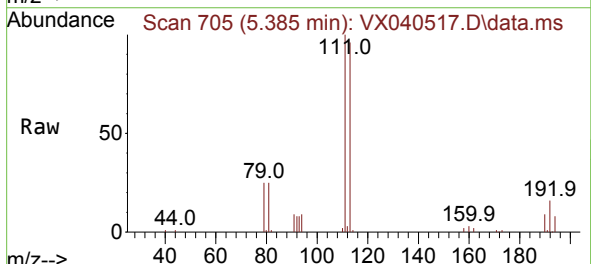
Instrument :
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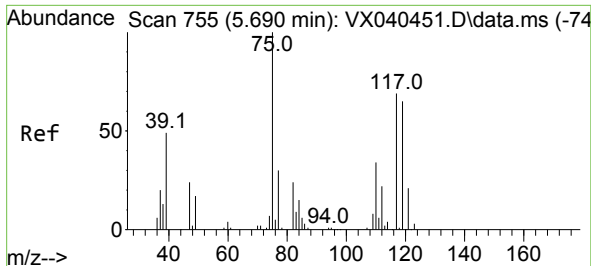
Tgt Ion:114 Resp: 136609
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

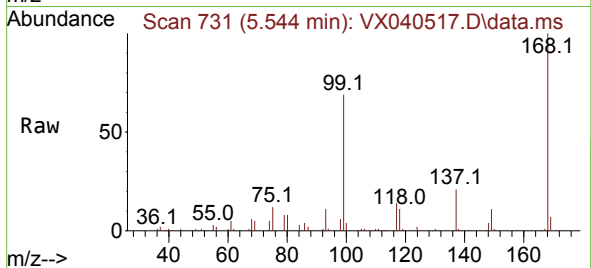
Tgt Ion:113 Resp: 46304
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 17.4 13.3 19.9



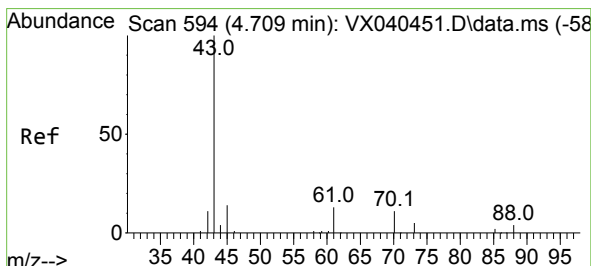
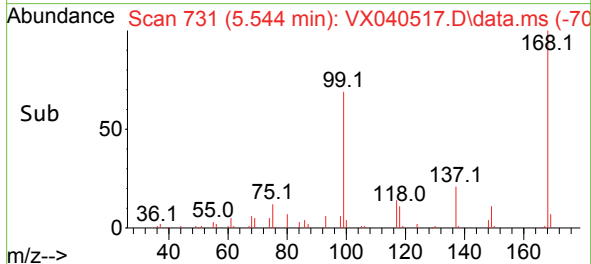
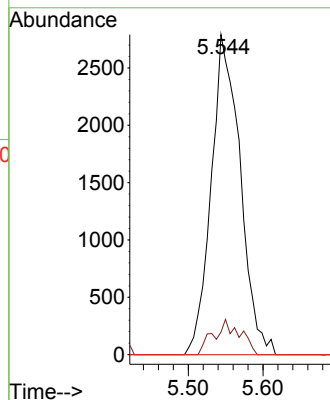


#36
1,1-Dichloropropene
Concen: 5.148 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Instrument :
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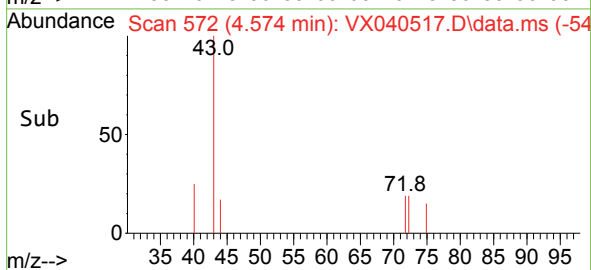
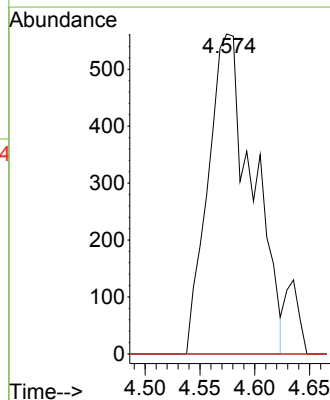
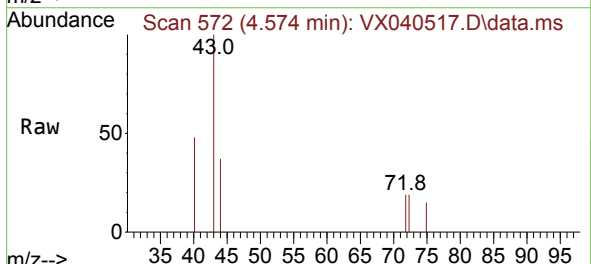


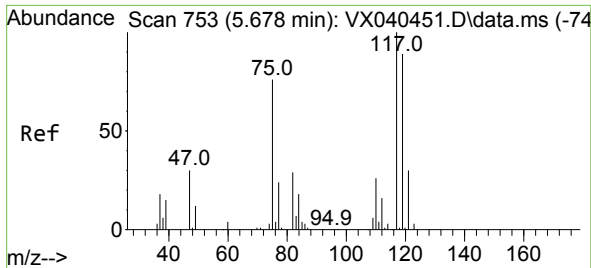
Tgt Ion: 75 Resp: 7535
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.992 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.134 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

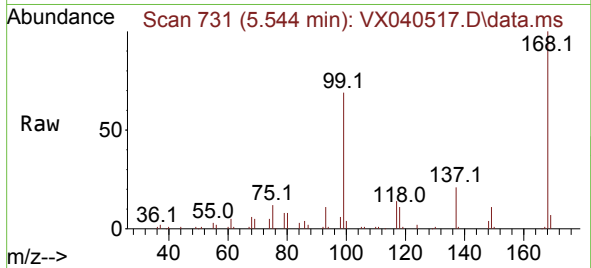
Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



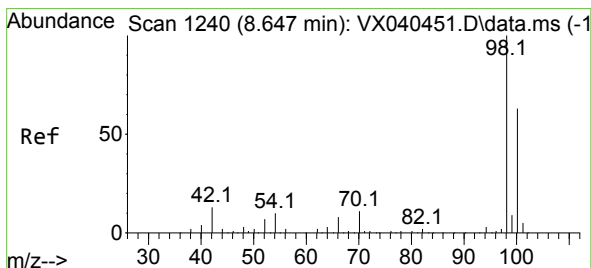
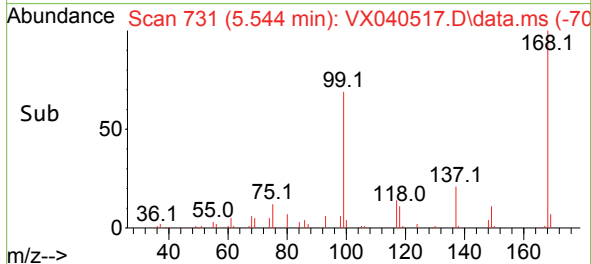
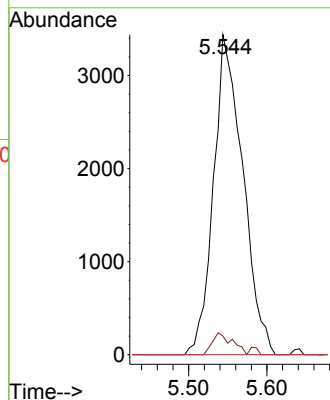


#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
1851DL

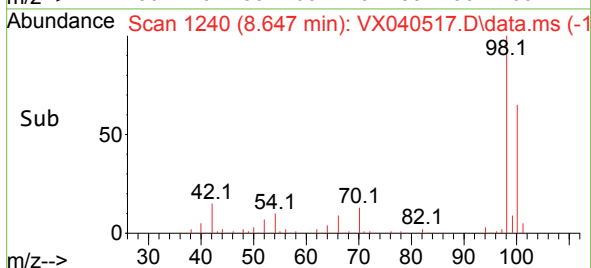
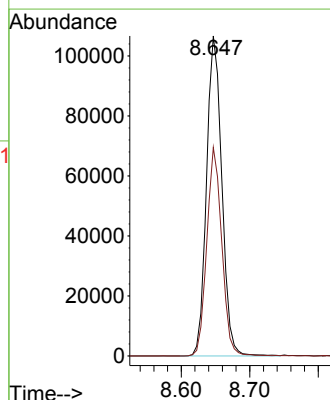
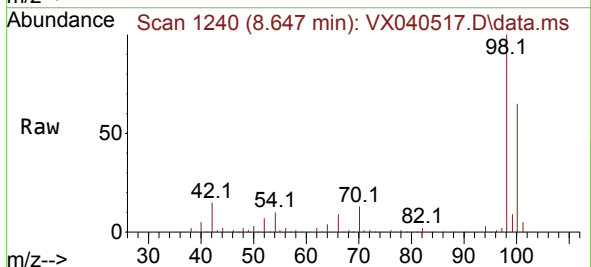


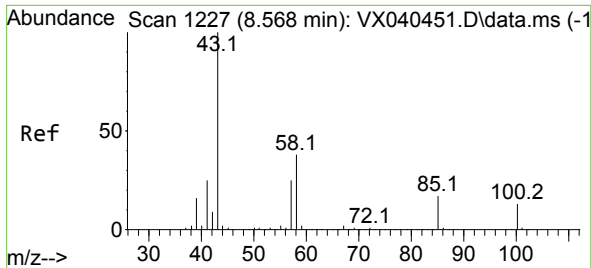
Tgt Ion:117 Resp: 8936
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.184 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 98 Resp: 166151
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

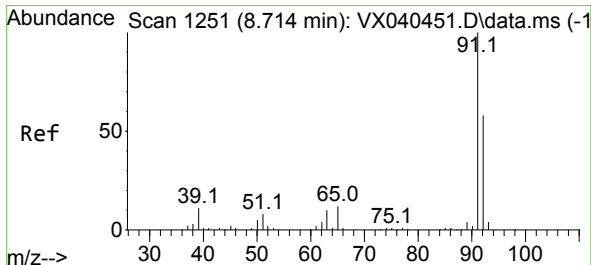
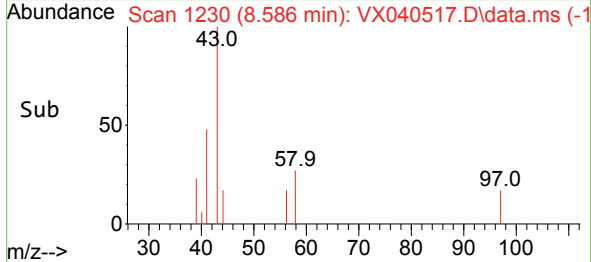
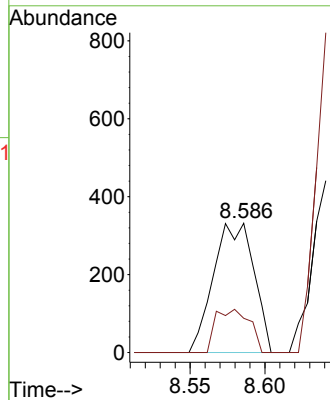
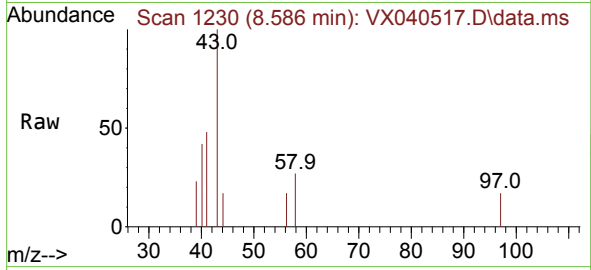




#51
4-Methyl-2-Pentanone
Concen: 0.376 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

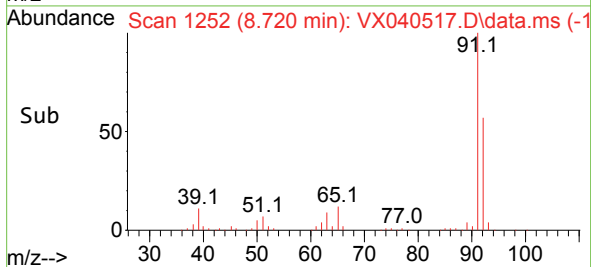
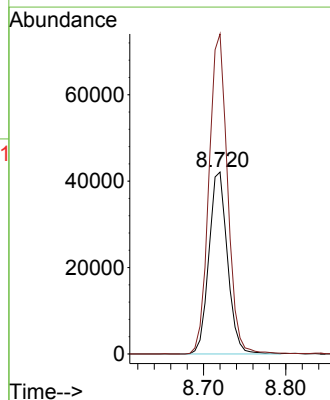
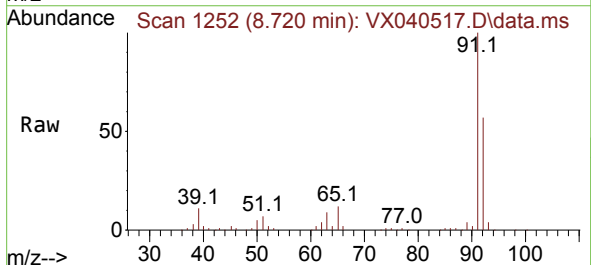
Instrument :
MSVOA_X
ClientSampleId :
1851DL

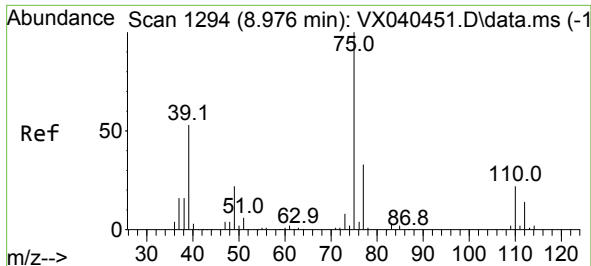
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
58 28.0 30.4 45.6#



#52
Toluene
Concen: 27.166 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 92 Resp: 66064
Ion Ratio Lower Upper
92 100
91 176.3 134.2 201.2

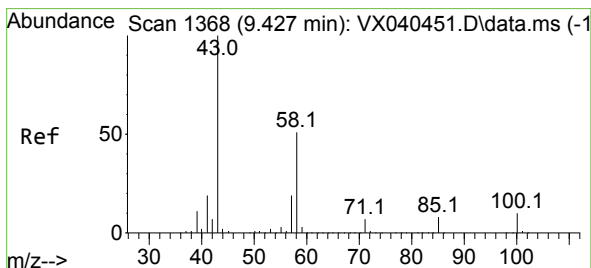
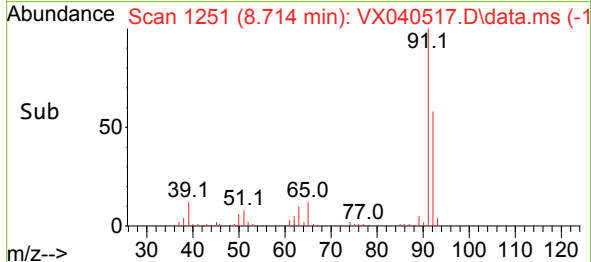
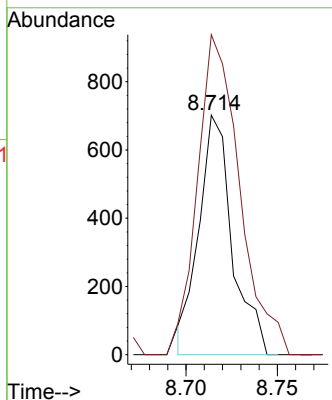
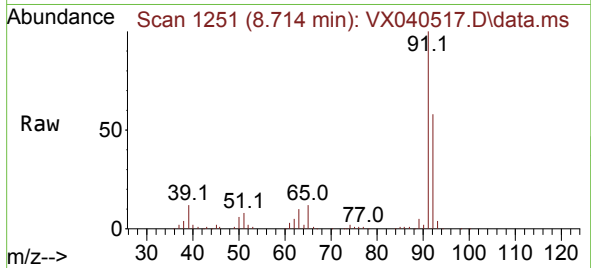




#53
t-1,3-Dichloropropene
Concen: 0.572 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

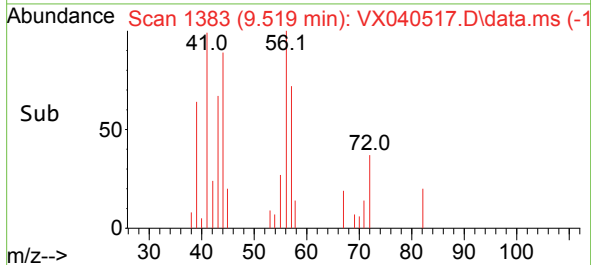
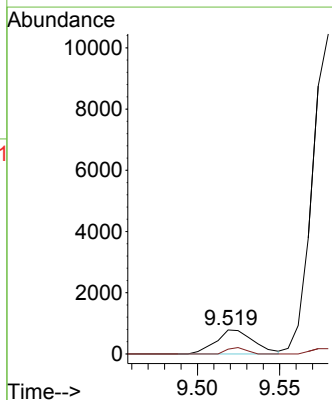
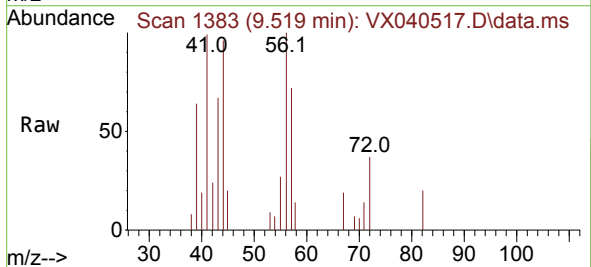
Instrument :
MSVOA_X
ClientSampleId :
1851DL

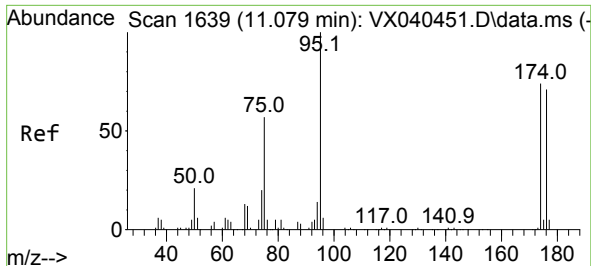
Tgt Ion: 75 Resp: 891
Ion Ratio Lower Upper
75 100
77 120.5 25.7 38.5#



#59
2-Hexanone
Concen: 0.980 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.091 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 13.7 26.2 78.5#

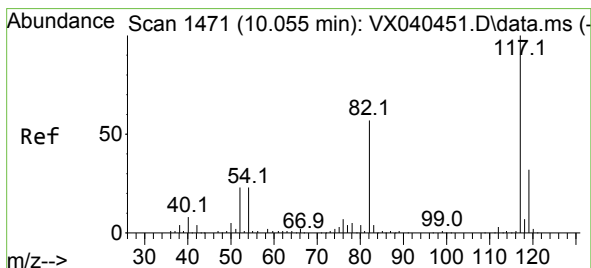
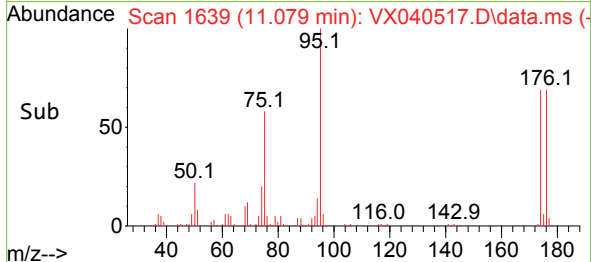
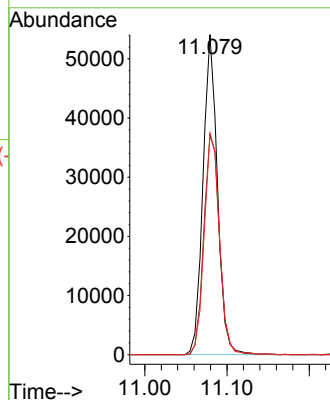
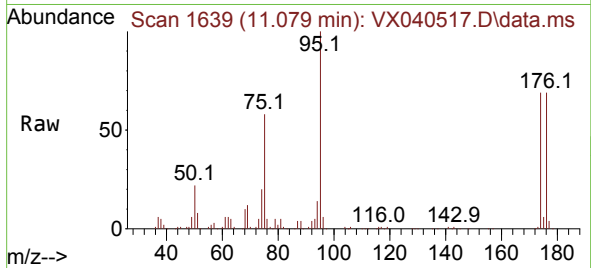




#62
4-Bromofluorobenzene
Concen: 50.329 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

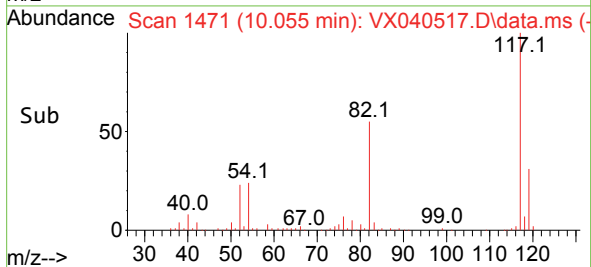
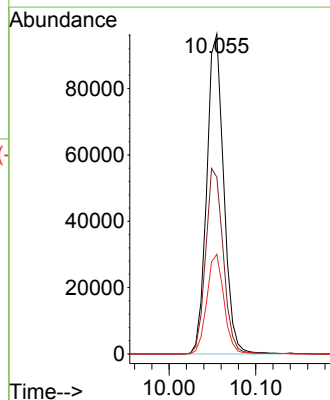
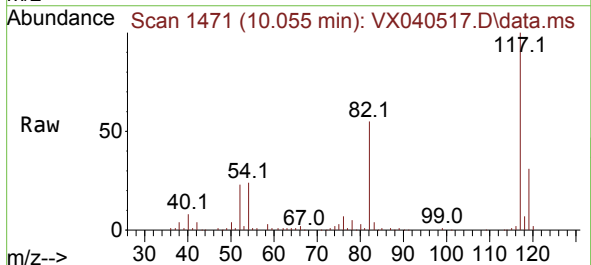
Instrument :
MSVOA_X
ClientSampleId :
1851DL

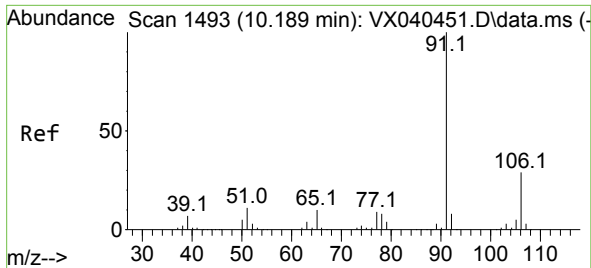
Tgt Ion: 95 Resp: 66155
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 73.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 117 Resp: 131552
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 31.2 25.5 38.3

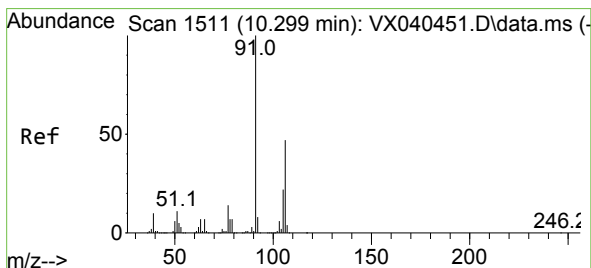
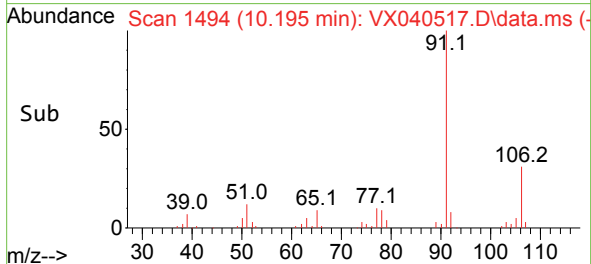
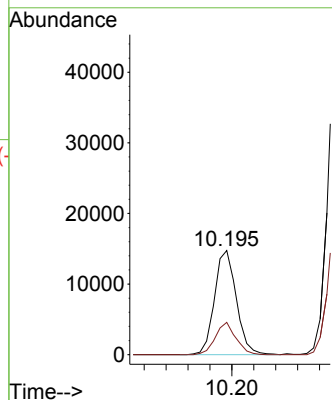
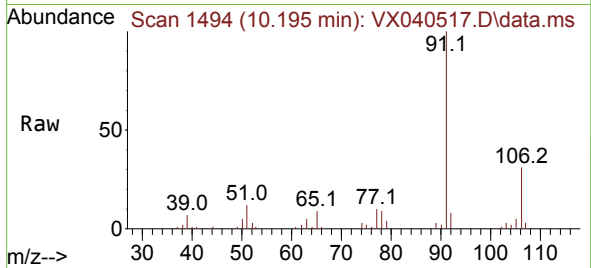




#67
Ethyl Benzene
Concen: 3.984 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

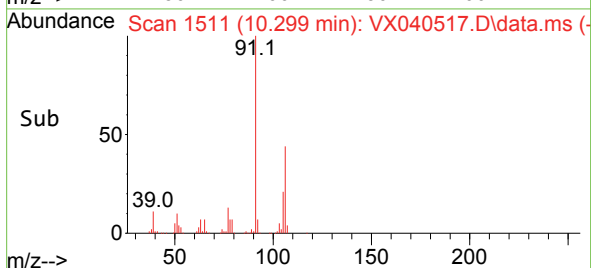
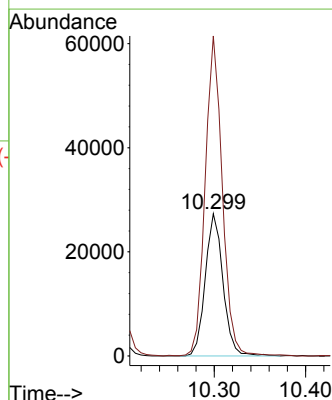
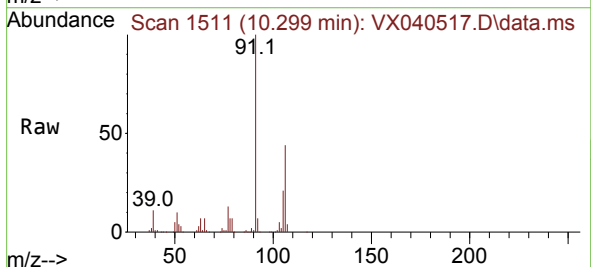
Instrument :
MSVOA_X
ClientSampleId :
1851DL

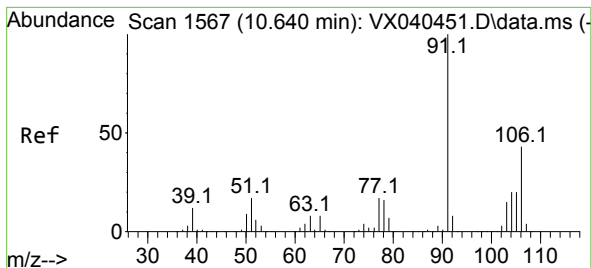
Tgt Ion: 91 Resp: 20407
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 19.219 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 106 Resp: 36760
Ion Ratio Lower Upper
106 100
91 217.9 165.5 248.3





#69

o-Xylene

Concen: 7.621 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX040517.D

Acq: 28 Feb 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

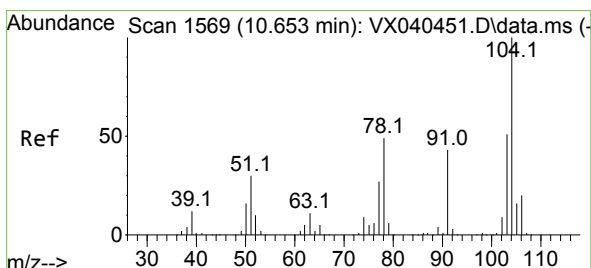
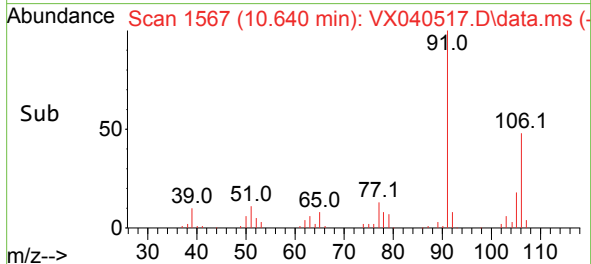
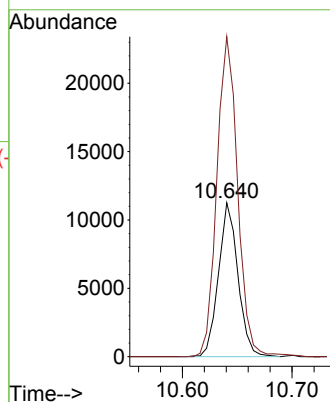
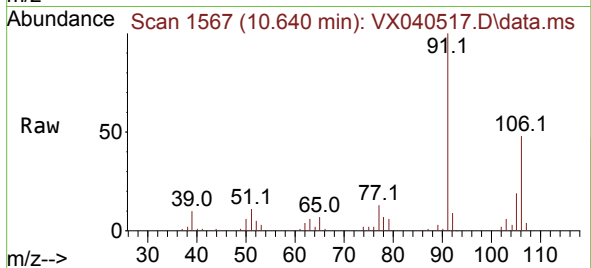
1851DL

Tgt Ion:106 Resp: 13942

Ion Ratio Lower Upper

106 100

91 221.4 108.9 326.8



#70

Styrene

Concen: 0.272 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX040517.D

Acq: 28 Feb 2024 17:35

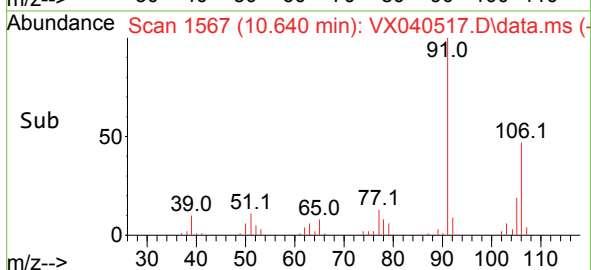
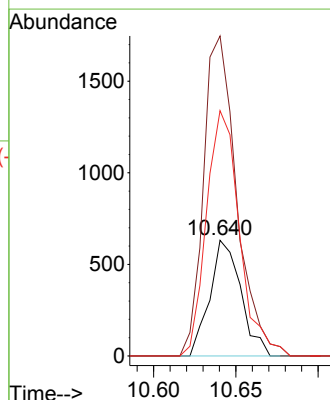
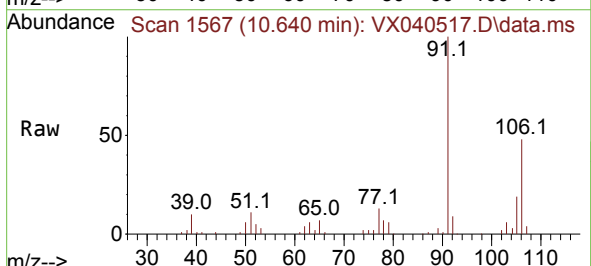
Tgt Ion:104 Resp: 830

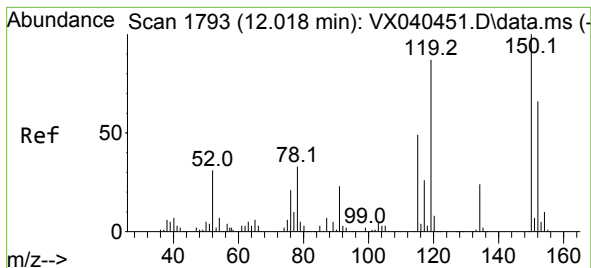
Ion Ratio Lower Upper

104 100

78 294.9 43.6 65.4#

103 225.5 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040517.D

Acq: 28 Feb 2024 17:35

Instrument :

MSVOA_X

ClientSampleId :

1851DL

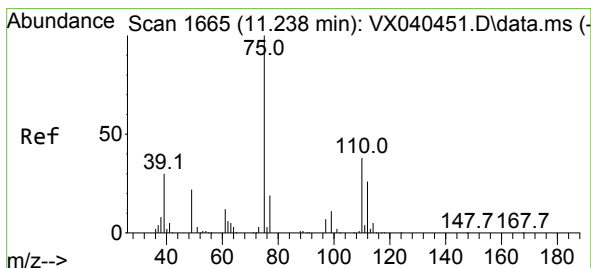
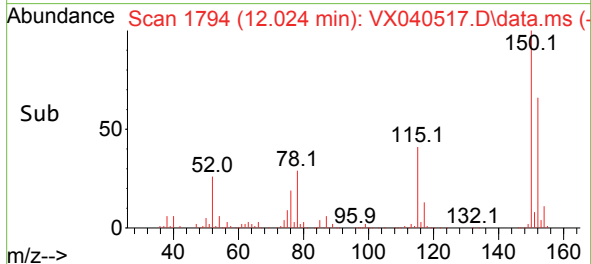
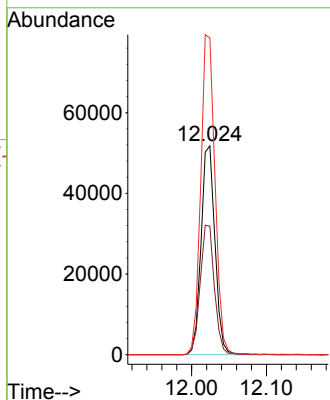
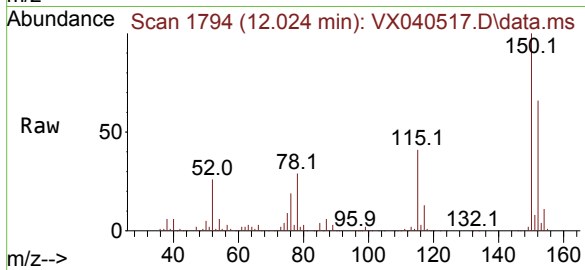
Tgt Ion:152 Resp: 66904

Ion Ratio Lower Upper

152 100

115 63.4 43.3 129.9

150 156.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.264 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040517.D

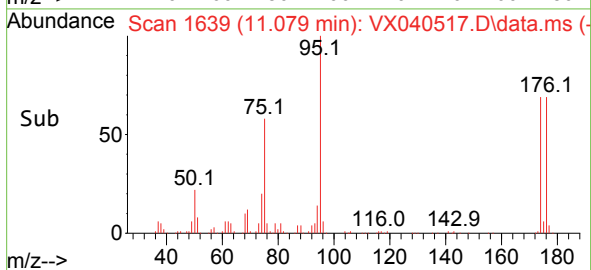
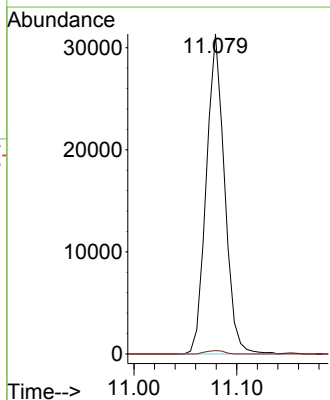
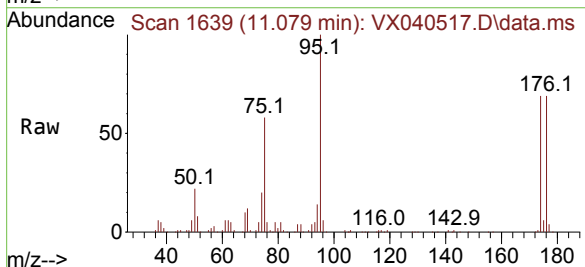
Acq: 28 Feb 2024 17:35

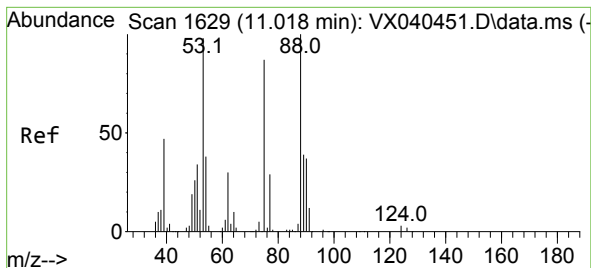
Tgt Ion: 75 Resp: 38672

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

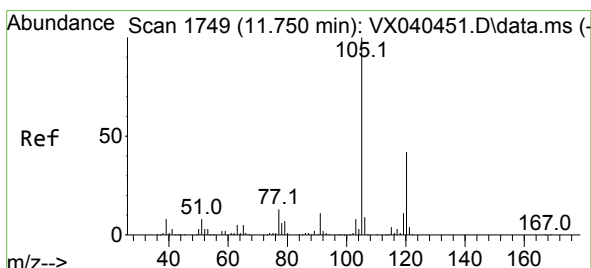
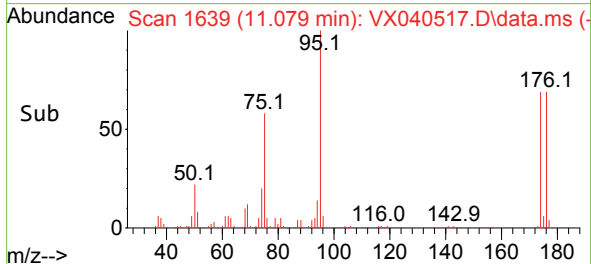
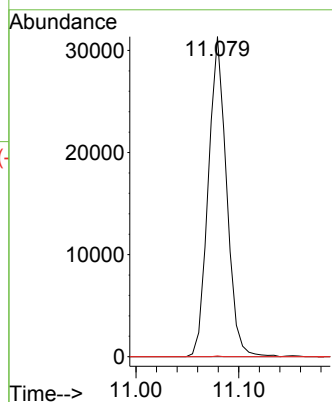
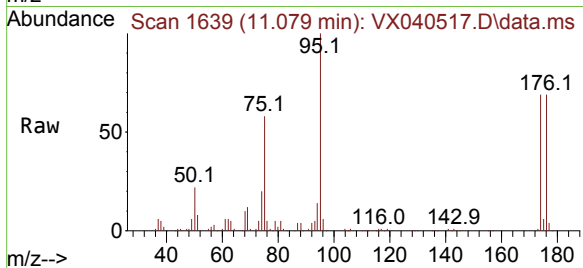




#81
trans-1,4-Dichloro-2-butene
Concen: 76.386 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Instrument :
MSVOA_X
ClientSampleId :
1851DL

Tgt Ion: 75 Resp: 38672
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.350 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX040517.D
Acq: 28 Feb 2024 17:35

Tgt Ion: 105 Resp: 1457
Ion Ratio Lower Upper
105 100
120 44.5 21.2 63.6

