

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050824\
 Data File : VX041418.D
 Acq On : 08 May 2024 14:06
 Operator : JC/MD
 Sample : P2389-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 05:32:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

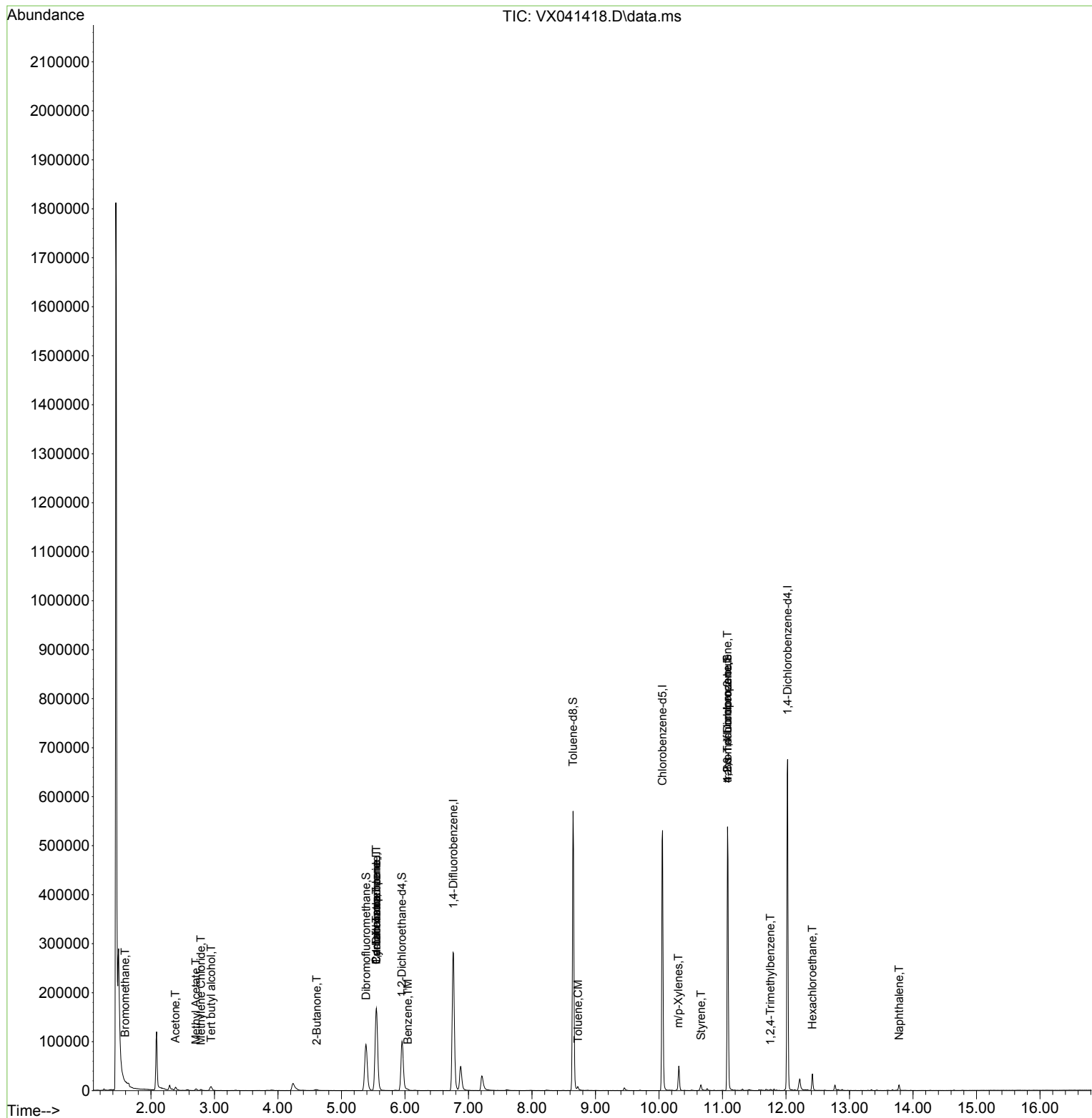
Internal Standards						
1) Pentafluorobenzene	5.550	168	178875	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	306352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99933	51.319	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.640%			
35) Dibromofluoromethane	5.385	113	80677	38.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 77.720%			
50) Toluene-d8	8.647	98	339877	51.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.440%			
62) 4-Bromofluorobenzene	11.079	95	131561	51.722	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.440%			
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	552	0.607	ug/l	# 74
11) Tert butyl alcohol	2.947	59	5546	14.229	ug/l	# 78
16) Acetone	2.386	43	6654	3.909	ug/l	100
18) Methyl Acetate	2.709	43	4765	2.392	ug/l	98
20) Methylene Chloride	2.788	84	1148	0.679	ug/l	97
25) 2-Butanone	4.611	43	1191	0.945	ug/l	93
31) Cyclohexane	5.550	56	3231	1.375	ug/l	# 36
36) 1,1-Dichloropropene	5.550	75	11792	4.750	ug/l	# 48
38) Carbon Tetrachloride	5.550	117	15466	5.438	ug/l	# 14
40) Benzene	6.044	78	2776	0.363	ug/l	100
52) Toluene	8.726	92	2671	0.571	ug/l	100
68) m/p-Xylenes	10.305	106	1355	0.398	ug/l	92
70) Styrene	10.659	104	5047	0.944	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	65934	26.501	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	65934	72.184	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1731	0.226	ug/l	87
90) Hexachloroethane	12.415	117	1355	0.968	ug/l	# 17
95) Naphthalene	13.780	128	7550	0.722	ug/l	99

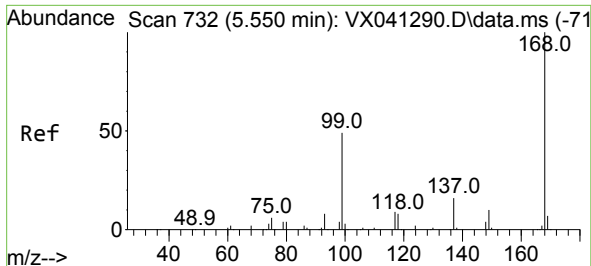
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

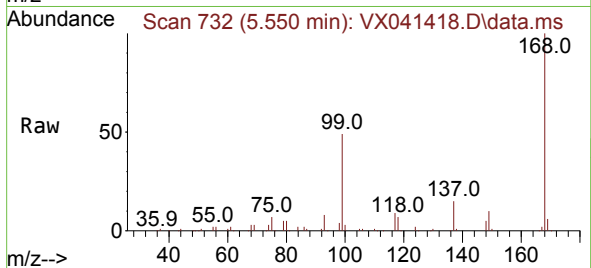
Quant Time: May 09 05:32:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration



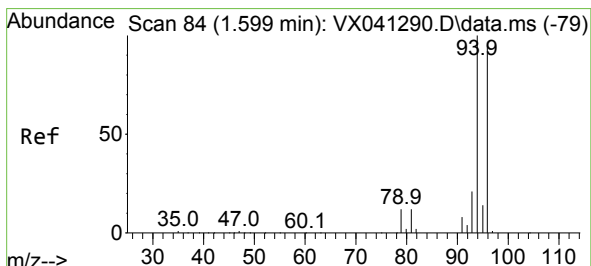
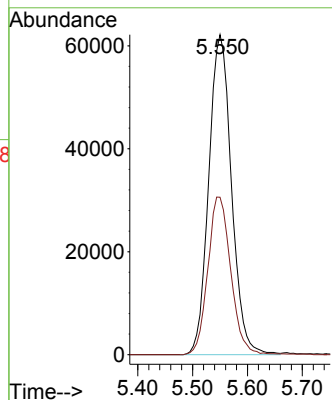
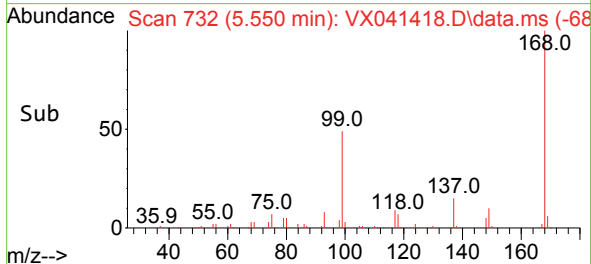


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

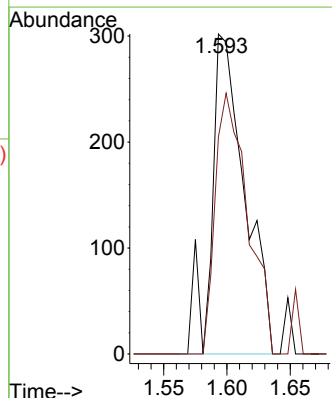
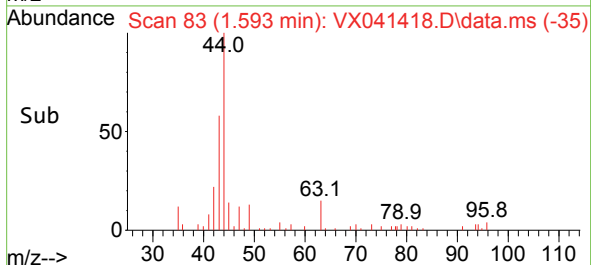
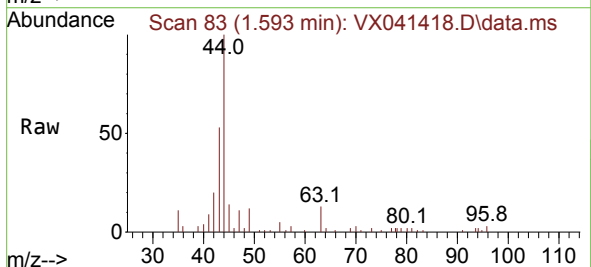


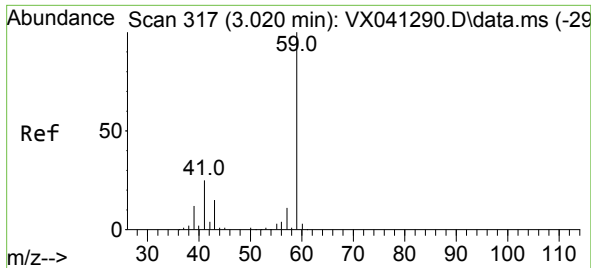
Tgt Ion:168 Resp: 178875
Ion Ratio Lower Upper
168 100
99 49.2 56.6 85.0#



#5
Bromomethane
Concen: 0.607 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

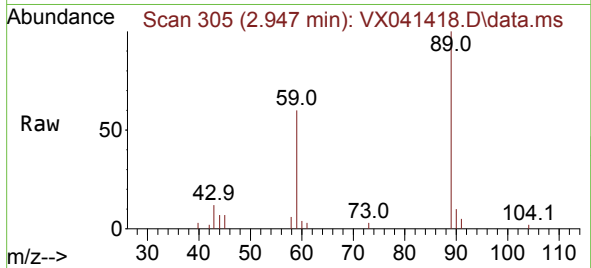
Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 67.9 74.6 111.8#



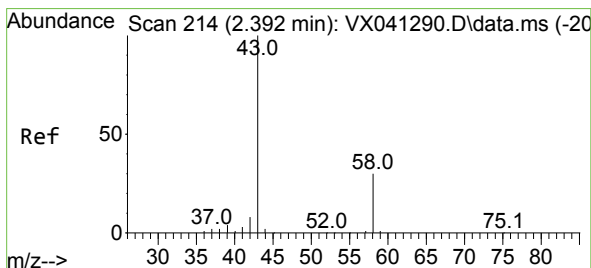
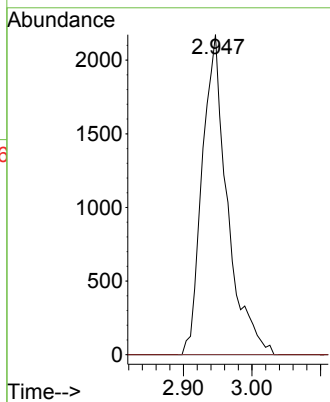
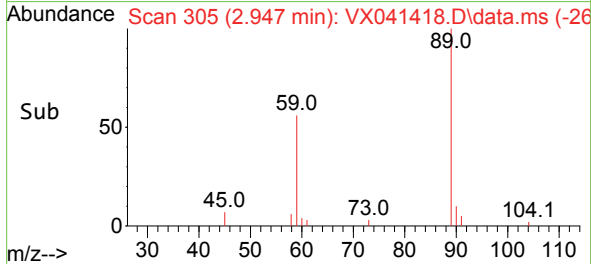


#11
Tert butyl alcohol
Concen: 14.229 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

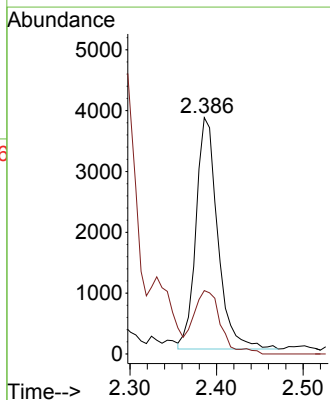
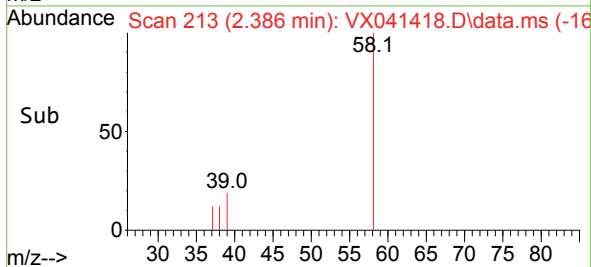
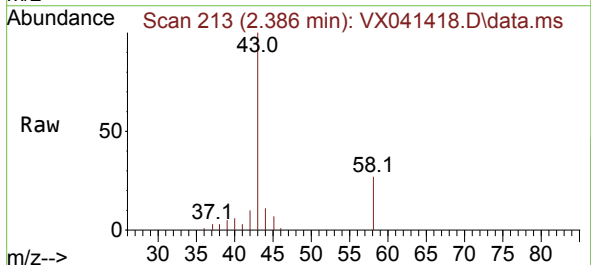


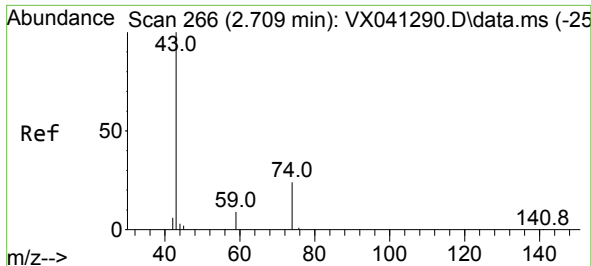
Tgt Ion: 59 Resp: 5546
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 3.909 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

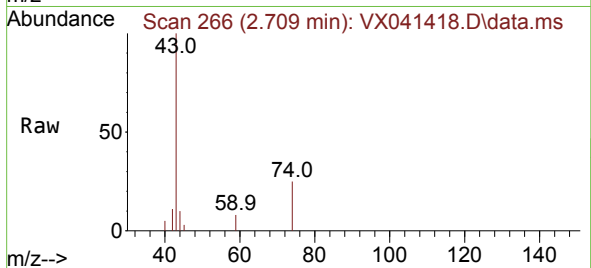
Tgt Ion: 43 Resp: 6654
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



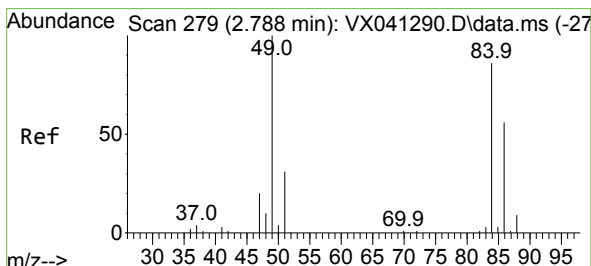
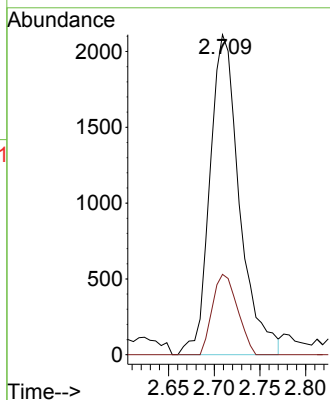
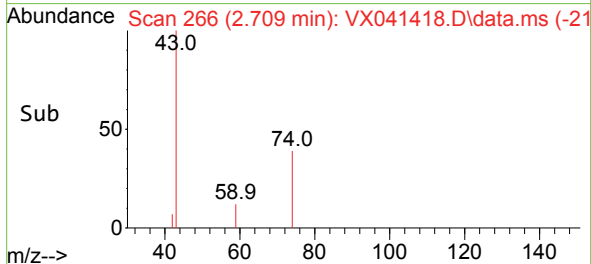


#18
Methyl Acetate
Concen: 2.392 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

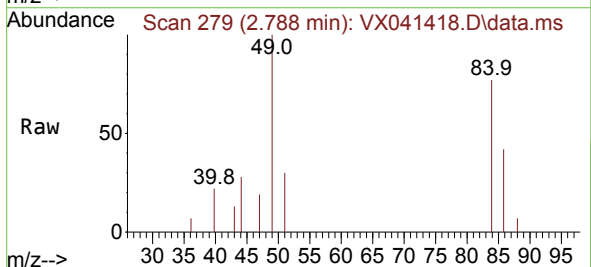
Instrument :
MSVOA_X
ClientSampleId :



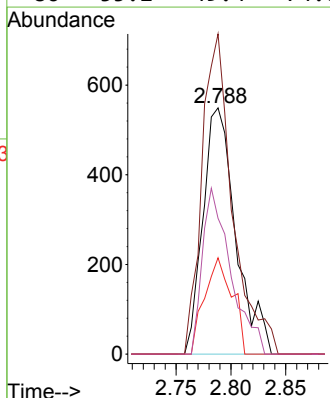
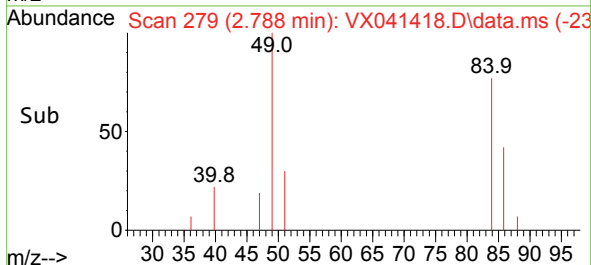
Tgt Ion: 43 Resp: 4765
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.8

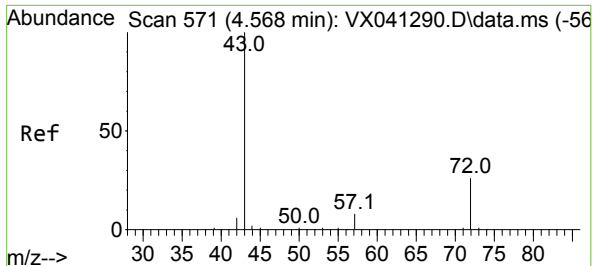


#20
Methylene Chloride
Concen: 0.679 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06



Tgt Ion: 84 Resp: 1148
Ion Ratio Lower Upper
84 100
49 130.1 103.6 155.4
51 39.2 33.8 50.6
86 55.2 49.4 74.0

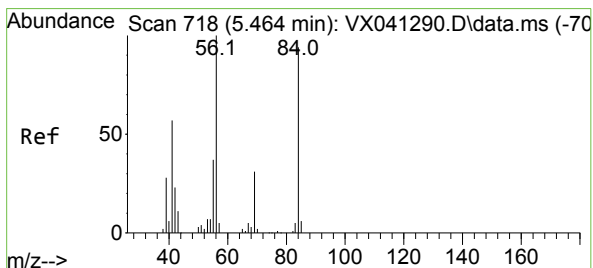
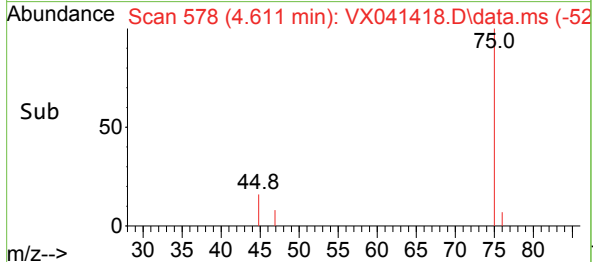
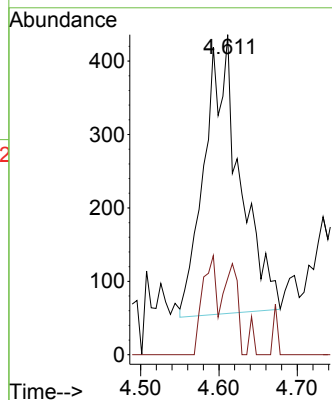
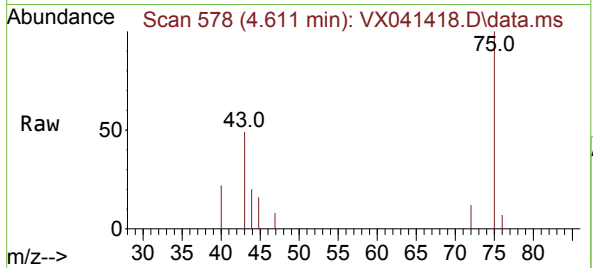




#25
2-Butanone
Concen: 0.945 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

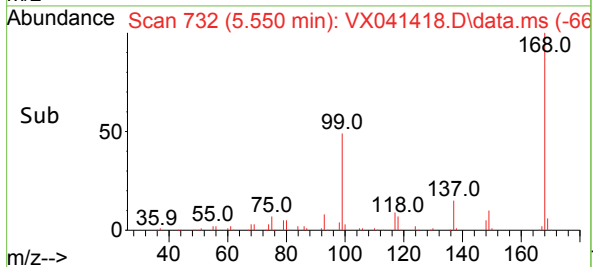
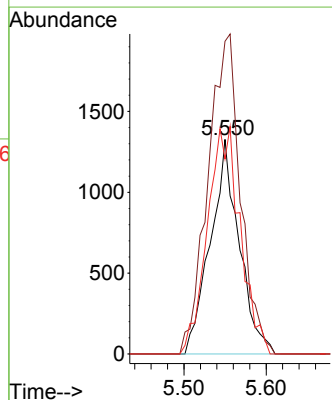
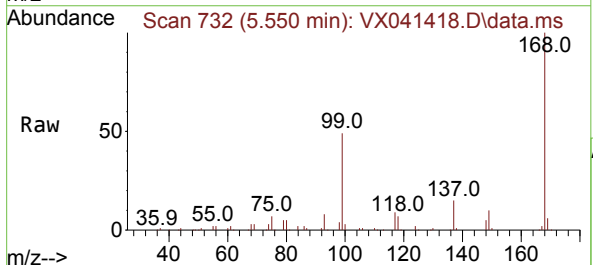
Instrument :
MSVOA_X
ClientSampleId :

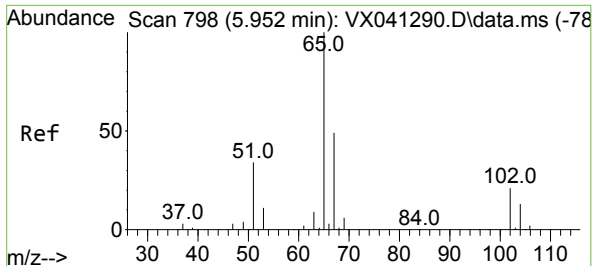
Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.086 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion: 56 Resp: 3231
Ion Ratio Lower Upper
56 100
69 145.7 23.4 35.2#
84 90.8 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.319 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041418.D

Acq: 08 May 2024 14:06

Instrument :

MSVOA_X

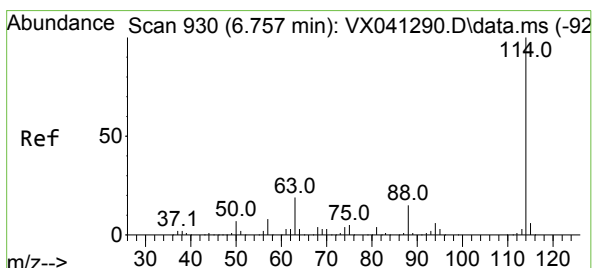
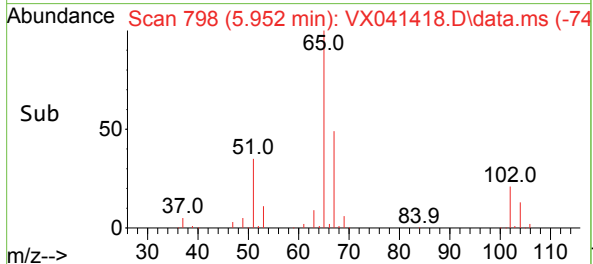
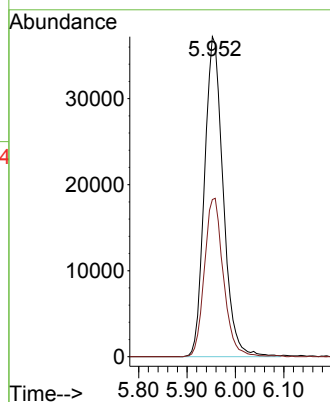
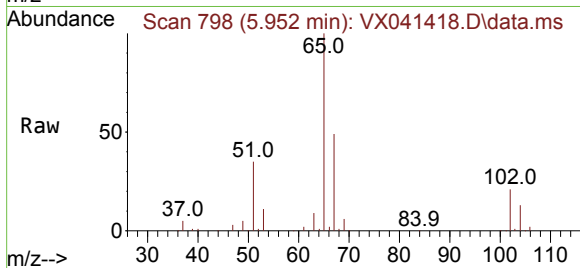
ClientSampleId :

Tgt Ion: 65 Resp: 99933

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041418.D

Acq: 08 May 2024 14:06

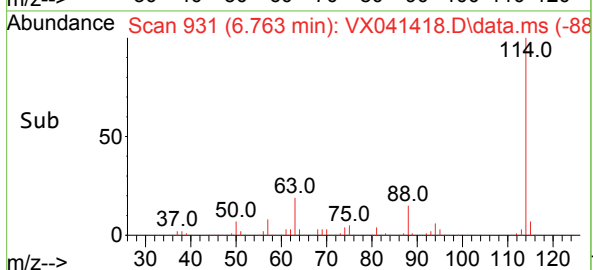
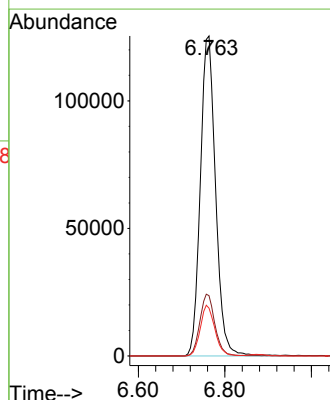
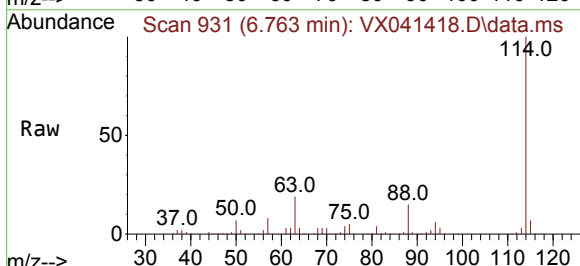
Tgt Ion: 114 Resp: 306352

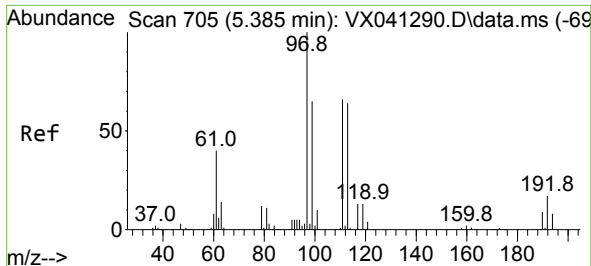
Ion Ratio Lower Upper

114 100

63 18.8 0.0 45.0

88 14.9 0.0 36.6

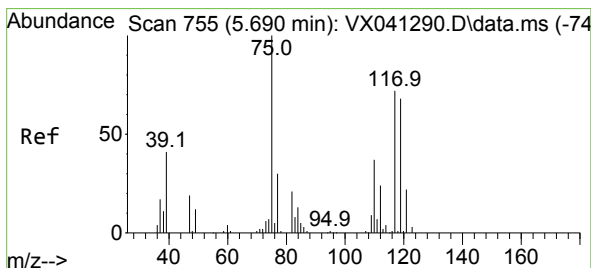
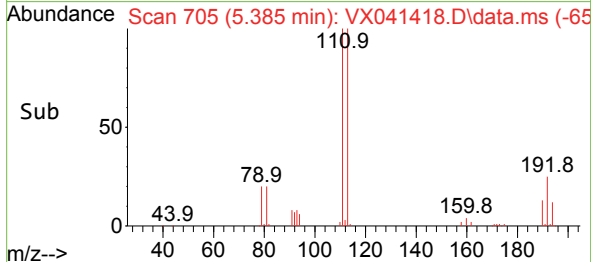
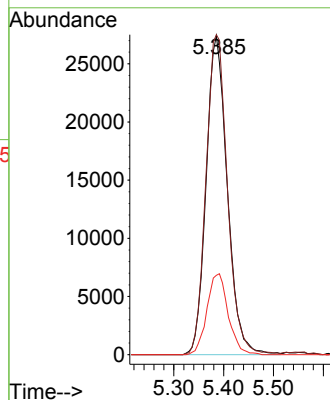
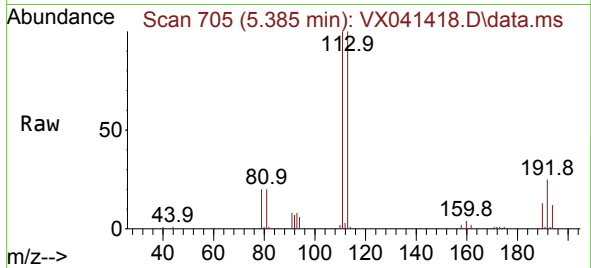




#35
Dibromofluoromethane
Concen: 38.861 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

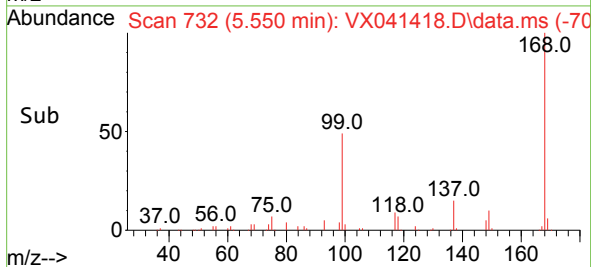
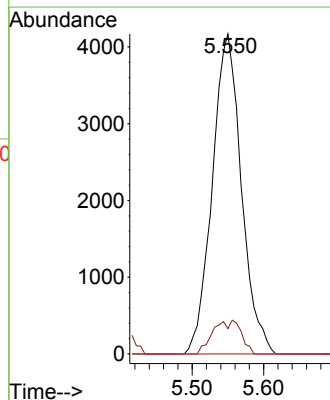
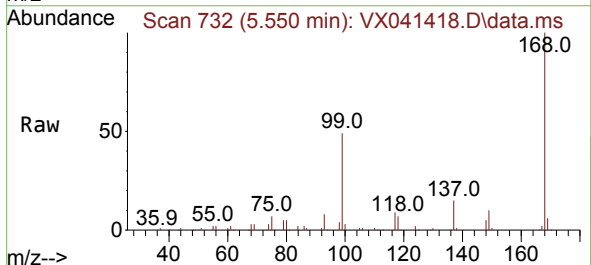
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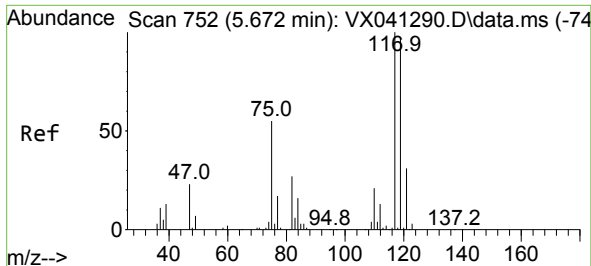
Tgt Ion:113 Resp: 80677
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 25.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

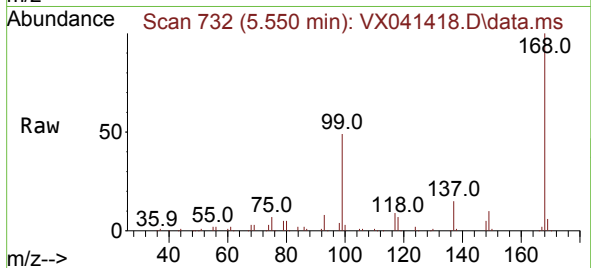
Tgt Ion: 75 Resp: 11792
Ion Ratio Lower Upper
75 100
110 6.0 17.0 50.9#
77 0.0 24.7 37.1#



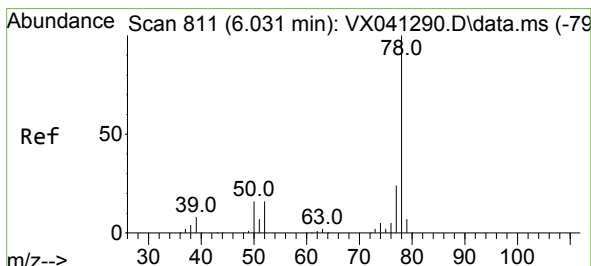
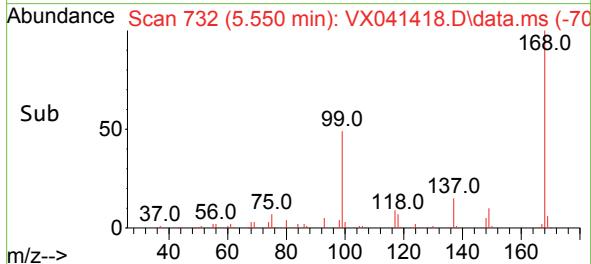
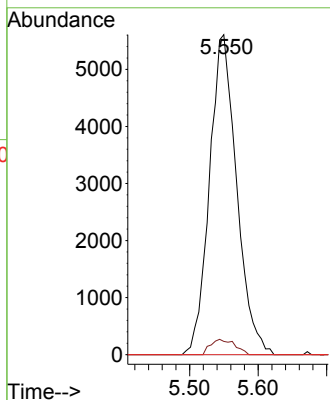


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

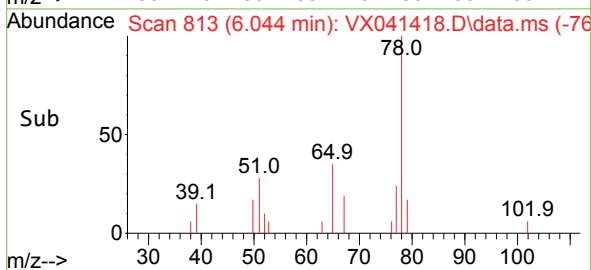
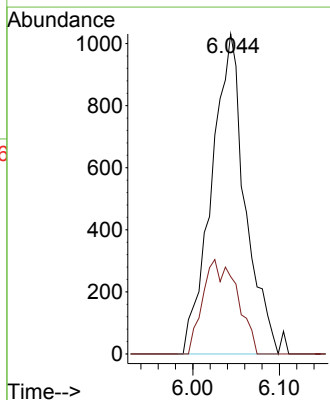
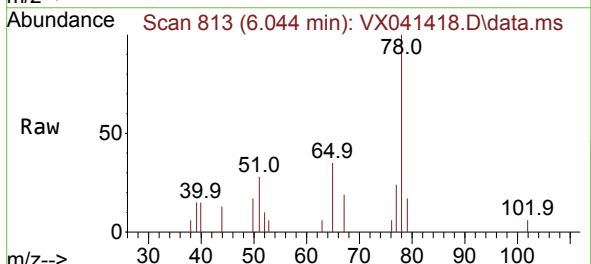


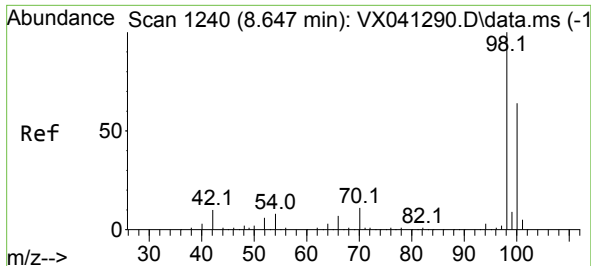
Tgt Ion:117 Resp: 15466
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.363 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion: 78 Resp: 2776
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9

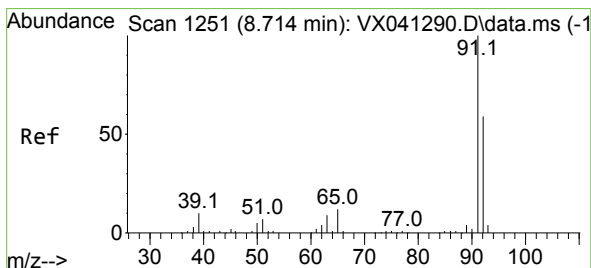
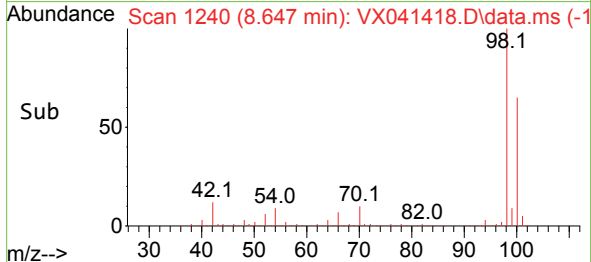
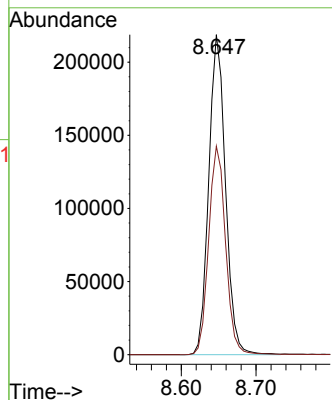
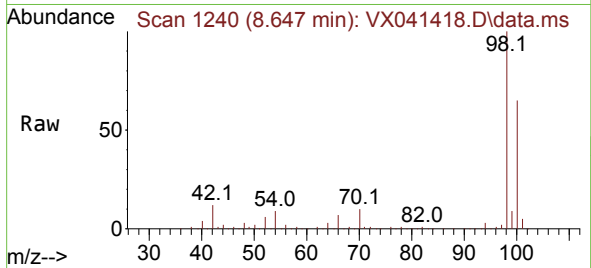




#50
Toluene-d8
Concen: 51.725 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

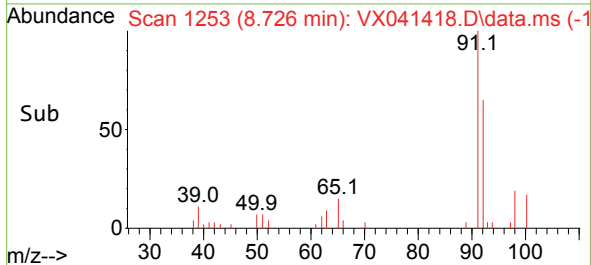
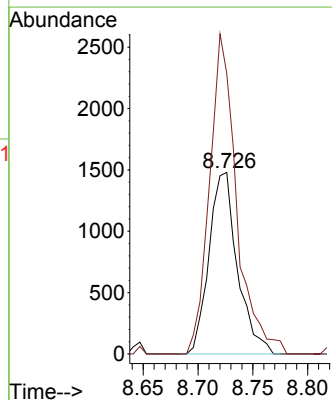
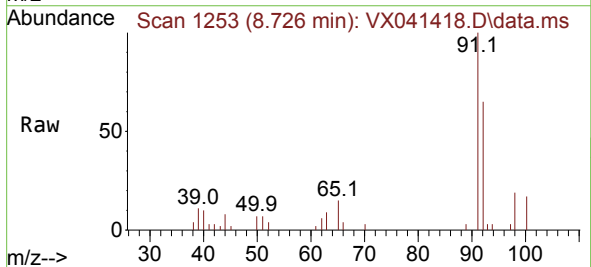
Instrument :
MSVOA_X
ClientSampleId :

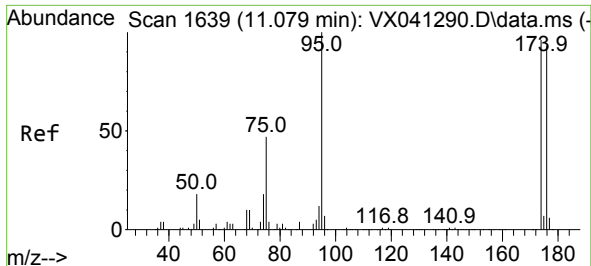
Tgt Ion: 98 Resp: 339877
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#52
Toluene
Concen: 0.571 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion: 92 Resp: 2671
Ion Ratio Lower Upper
92 100
91 167.6 134.2 201.2

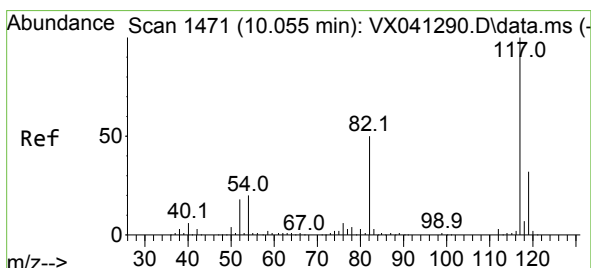
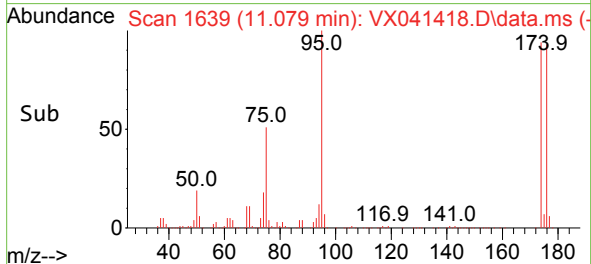
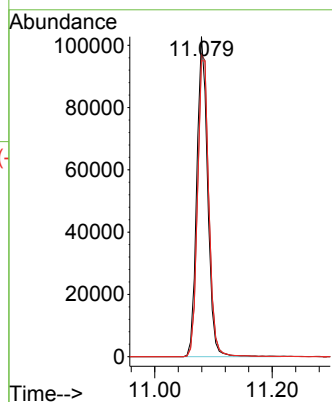
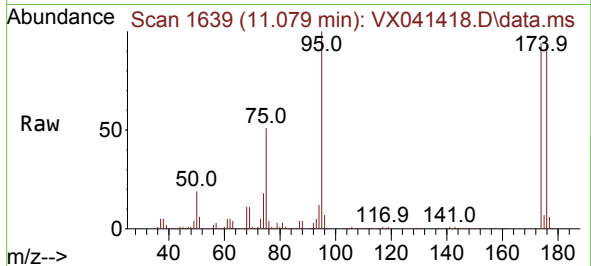




#62
4-Bromofluorobenzene
Concen: 51.722 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

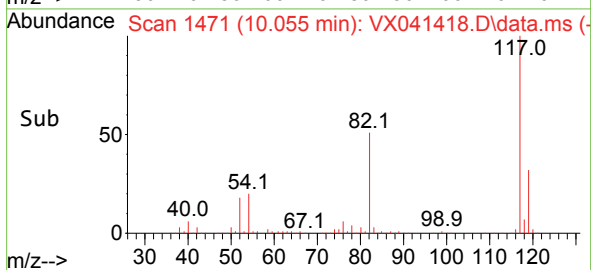
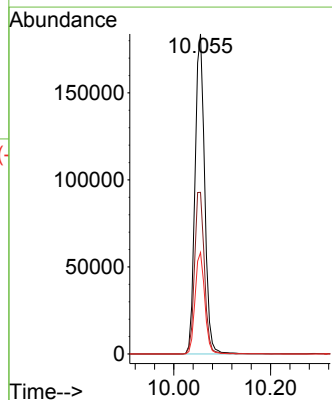
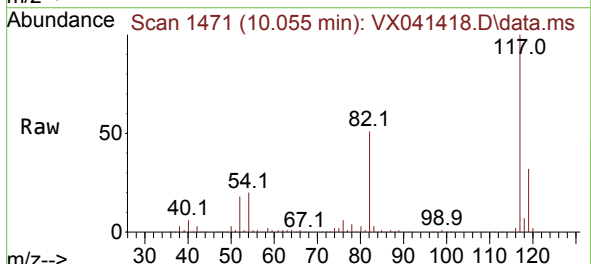
Instrument :
MSVOA_X
ClientSampleId :

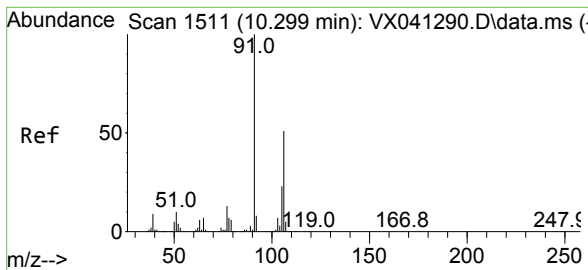
Tgt Ion: 95 Resp: 131561
Ion Ratio Lower Upper
95 100
174 98.2 0.0 135.6
176 97.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion: 117 Resp: 253716
Ion Ratio Lower Upper
117 100
82 50.5 46.2 69.4
119 31.7 25.5 38.3

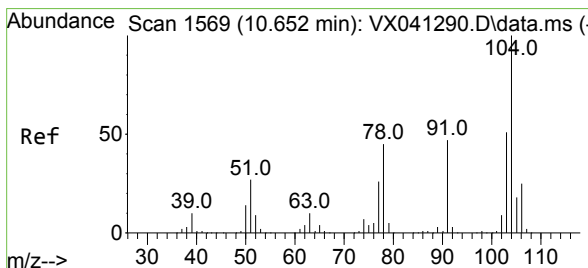
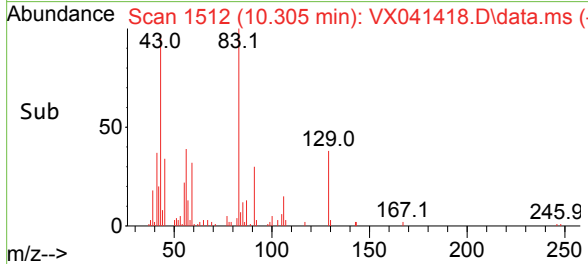
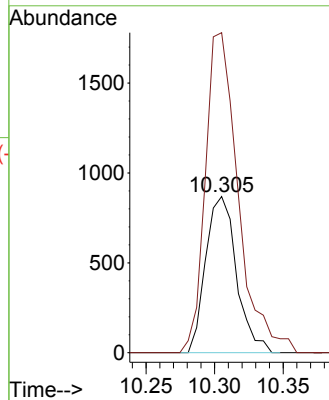
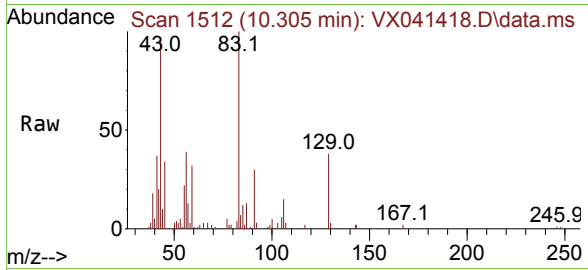




#68
m/p-Xylenes
Concen: 0.398 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

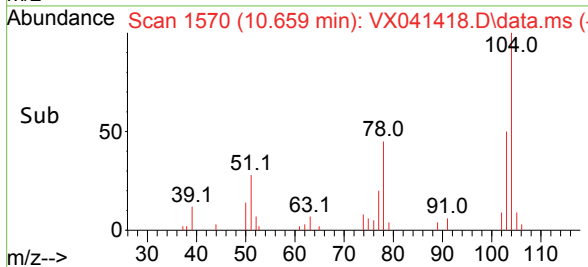
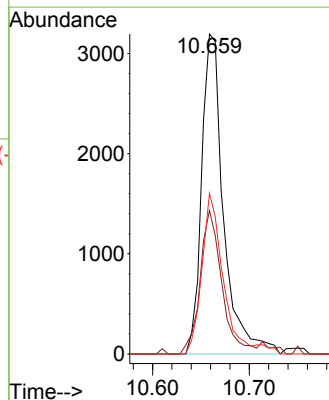
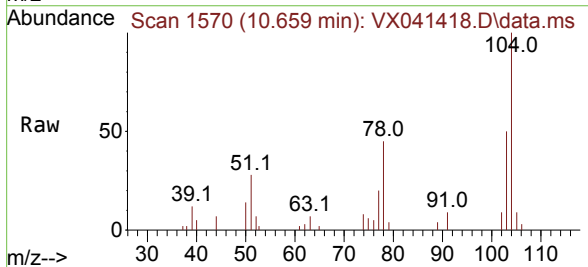
Instrument :
MSVOA_X
ClientSampleId :

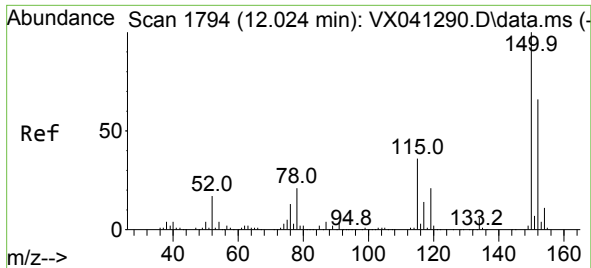
Tgt Ion:106 Resp: 1355
Ion Ratio Lower Upper
106 100
91 219.6 165.5 248.3



#70
Styrene
Concen: 0.944 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion:104 Resp: 5047
Ion Ratio Lower Upper
104 100
78 44.5 43.6 65.4
103 49.8 43.6 65.4

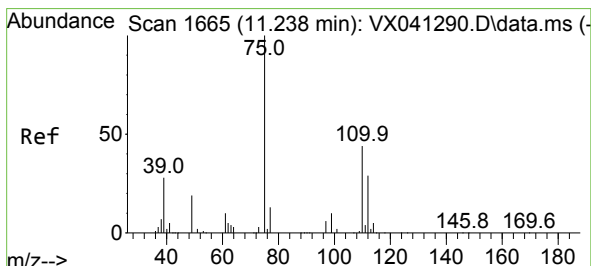
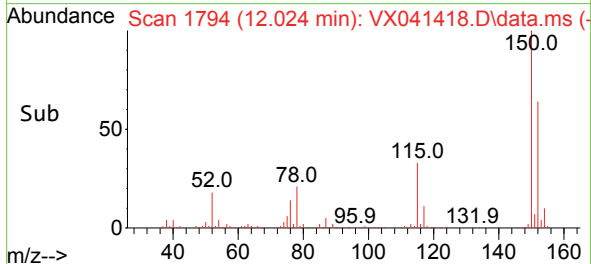
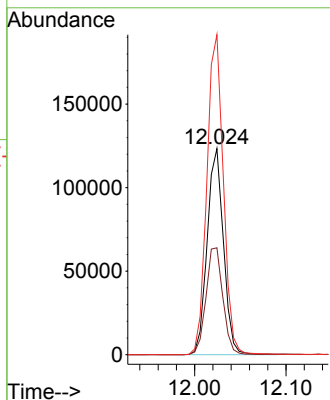
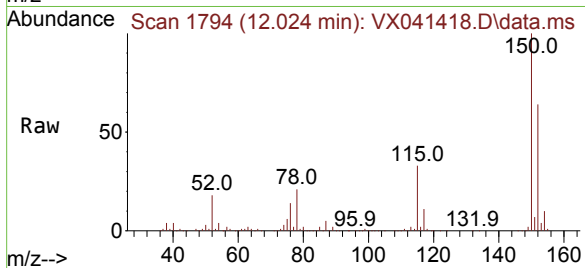




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX041418.D
 Acq: 08 May 2024 14:06

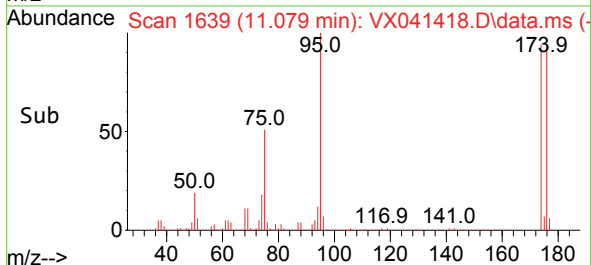
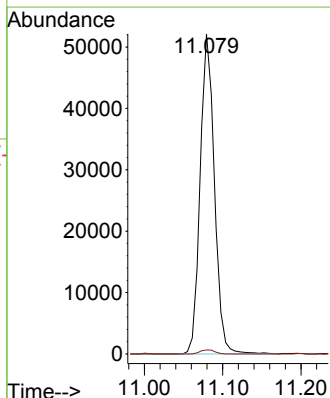
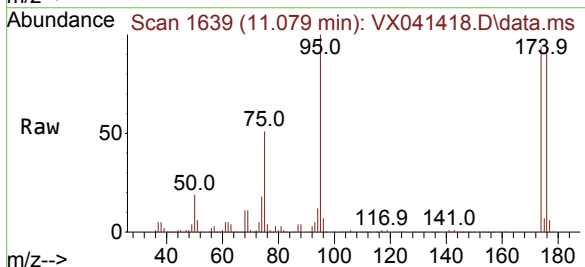
Instrument :
 MSVOA_X
 ClientSampleId :

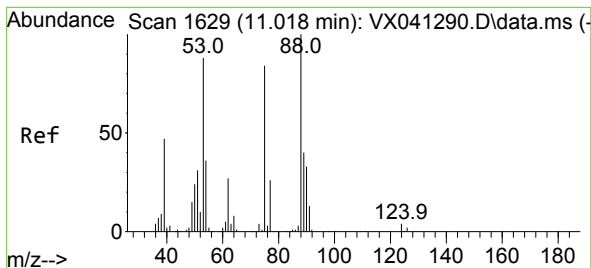
Tgt Ion:152 Resp: 152669
 Ion Ratio Lower Upper
 152 100
 115 53.9 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.501 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX041418.D
 Acq: 08 May 2024 14:06

Tgt Ion: 75 Resp: 65934
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

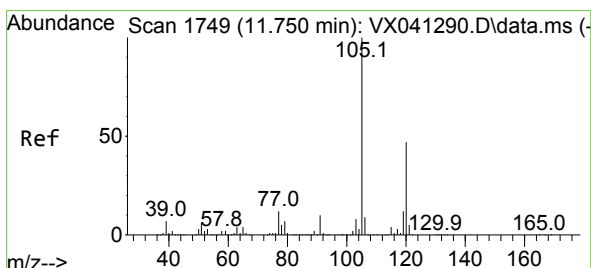
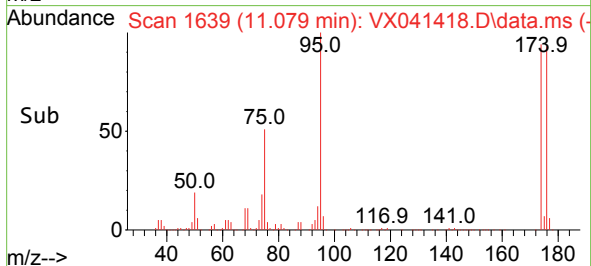
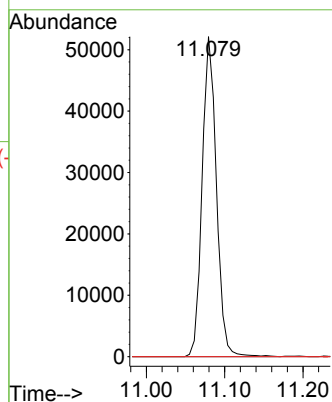
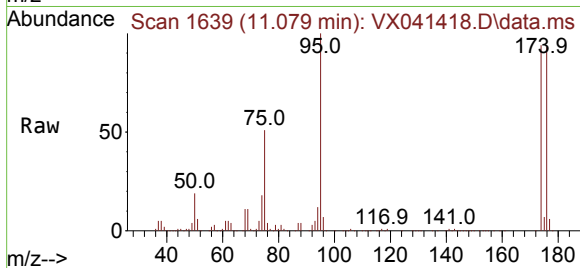




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.184 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX041418.D
 Acq: 08 May 2024 14:06

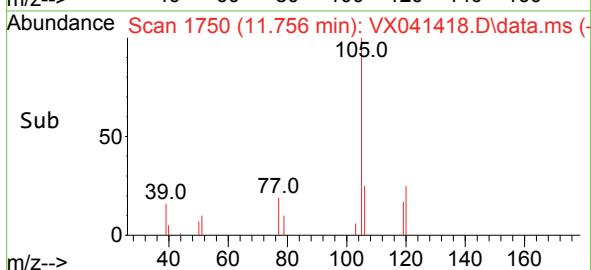
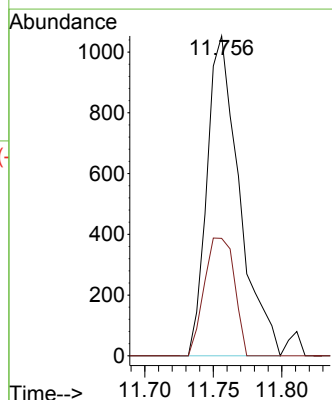
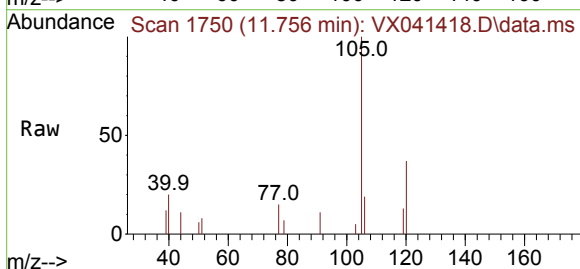
Instrument :
 MSVOA_X
 ClientSampleId :

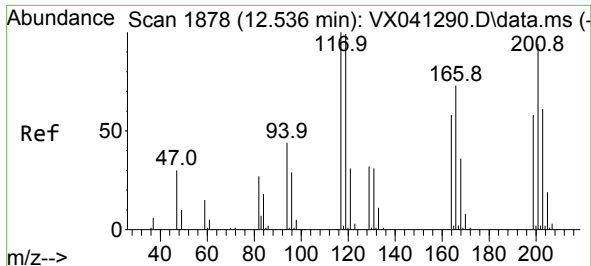
Tgt Ion: 75 Resp: 65934
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.226 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX041418.D
 Acq: 08 May 2024 14:06

Tgt Ion: 105 Resp: 1731
 Ion Ratio Lower Upper
 105 100
 120 34.2 21.2 63.6

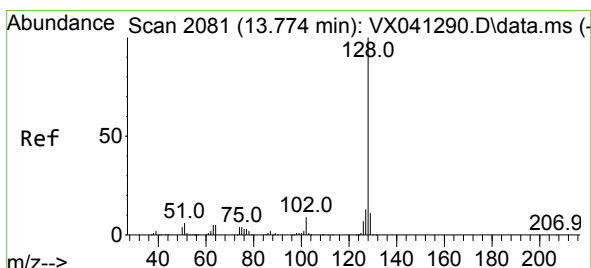
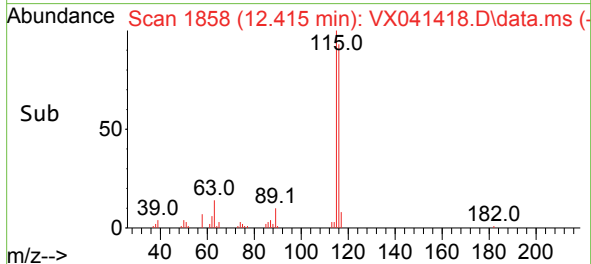
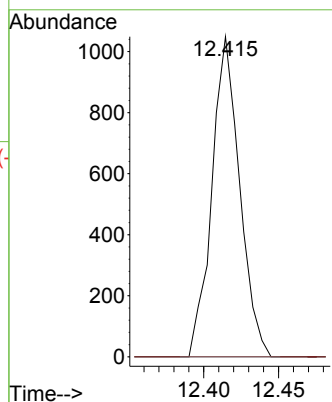
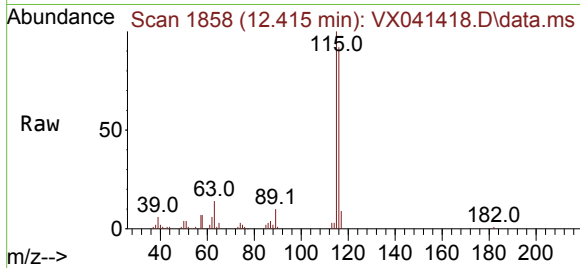




#90
Hexachloroethane
Concen: 0.968 ug/l
RT: 12.415 min Scan# 117
Delta R.T. -0.122 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 1355
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#95
Naphthalene
Concen: 0.722 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041418.D
Acq: 08 May 2024 14:06

Tgt Ion:128 Resp: 7550
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.2 8.8 13.2

