

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045781.D
 Acq On : 14 Apr 2025 20:13
 Operator : JC/MD
 Sample : Q1795-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31125

Quant Time: Apr 15 01:31:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

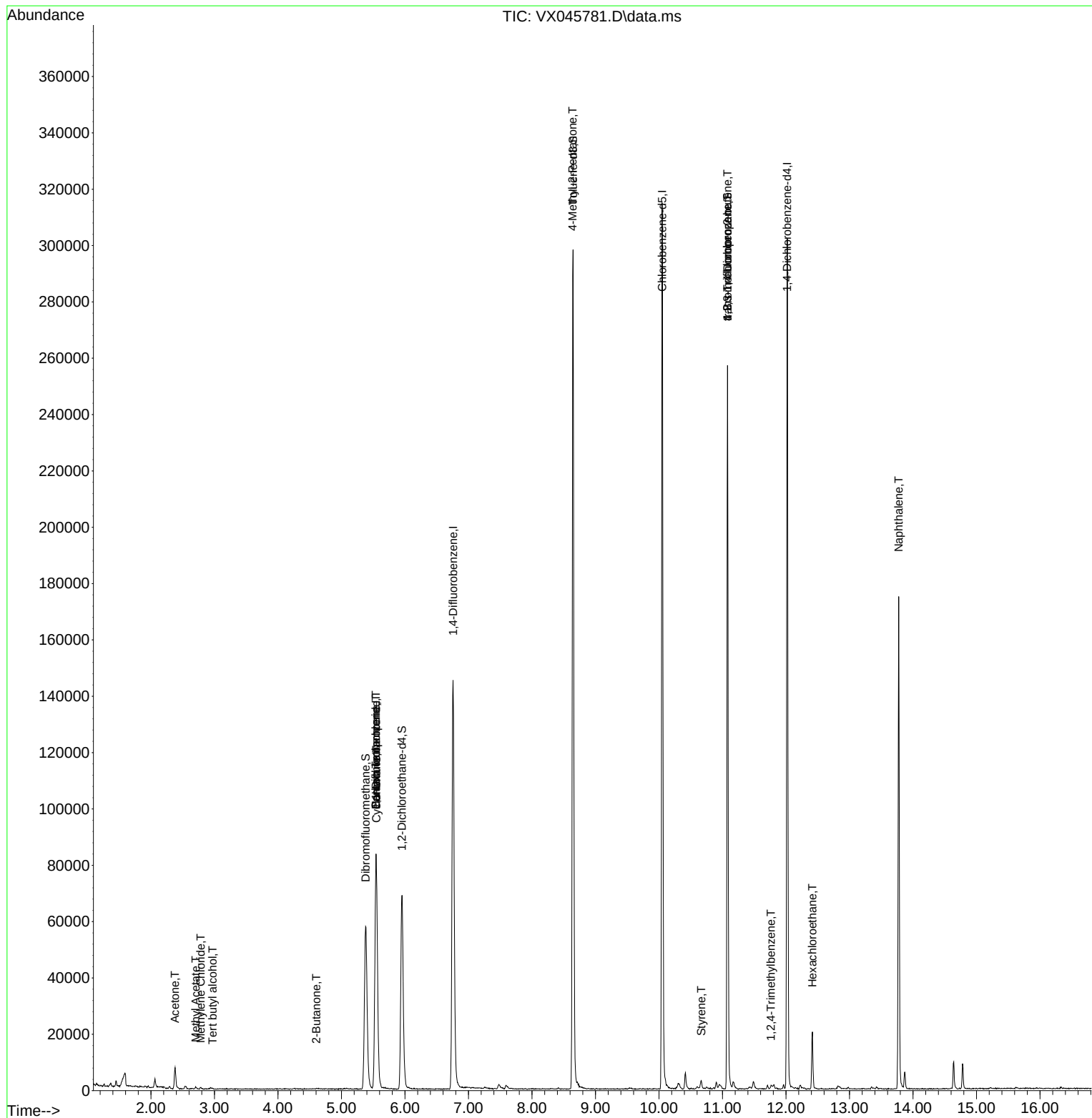
Internal Standards						
1) Pentafluorobenzene	5.544	168	70167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70902	55.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.520%			
35) Dibromofluoromethane	5.379	113	50652	51.399	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	8.647	98	174091	50.613	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	65462	52.248	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.500%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	281	1.629	ug/l #	72
16) Acetone	2.380	43	8487	16.107	ug/l	99
18) Methyl Acetate	2.703	43	939	0.774	ug/l #	72
20) Methylene Chloride	2.782	84	229	0.232	ug/l #	82
25) 2-Butanone	4.605	43	212	0.275	ug/l #	52
31) Cyclohexane	5.550	56	1975	1.255	ug/l #	3
36) 1,1-Dichloropropene	5.544	75	7570	5.689	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8062	5.606	ug/l #	17
51) 4-Methyl-2-Pentanone	8.641	43	1209	0.718	ug/l #	1
70) Styrene	10.665	104	1552	0.535	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	38603	28.797	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38603	97.735	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.762	105	808	0.221	ug/l #	43
90) Hexachloroethane	12.415	117	780	1.244	ug/l #	19
95) Naphthalene	13.774	128	100138	26.263	ug/l	99

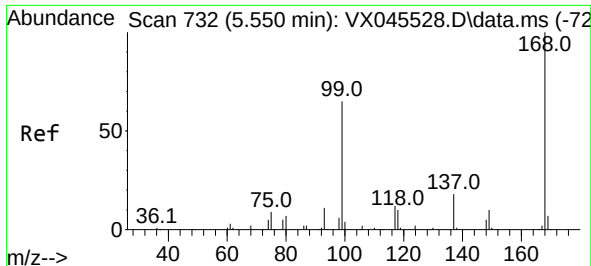
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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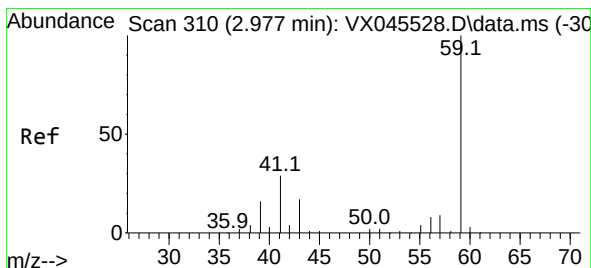
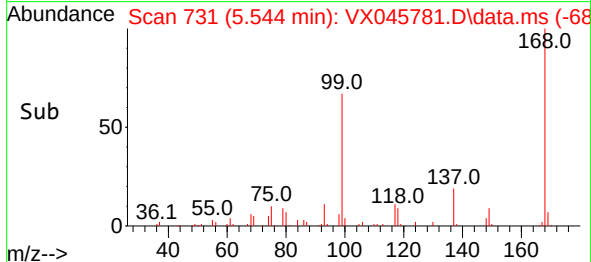
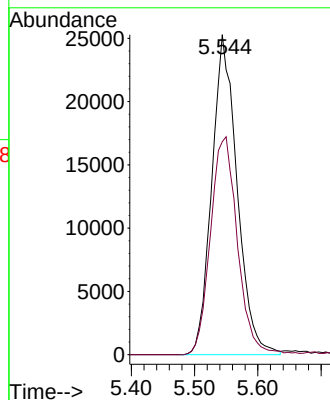
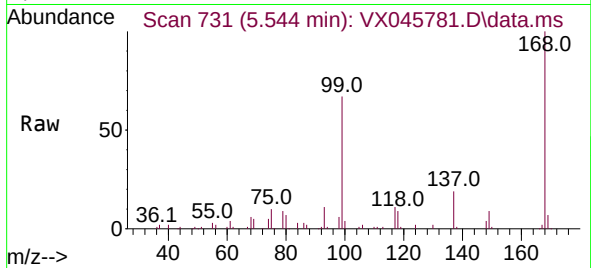




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

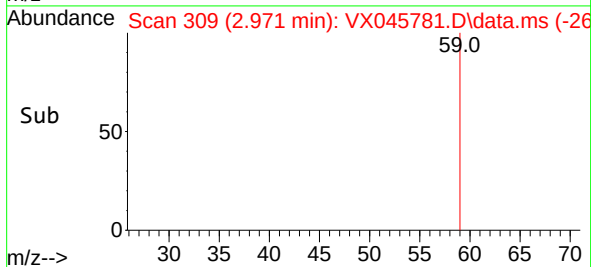
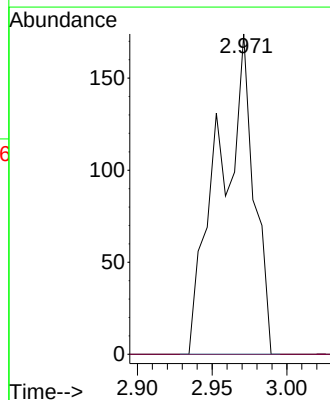
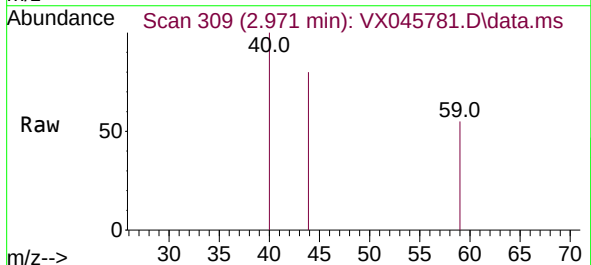
Instrument :
MSVOA_X
ClientSampleId :
31125

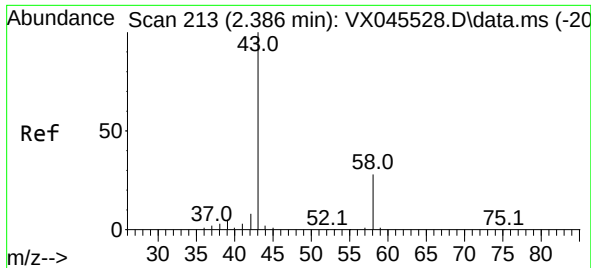
Tgt Ion:168 Resp: 70167
Ion Ratio Lower Upper
168 100
99 66.6 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.629 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

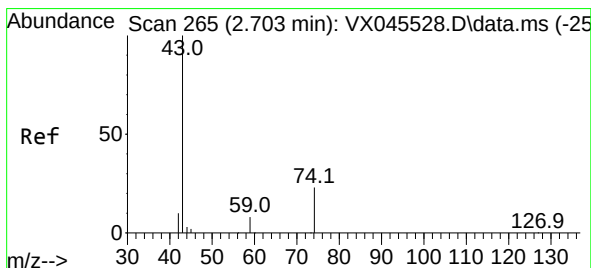
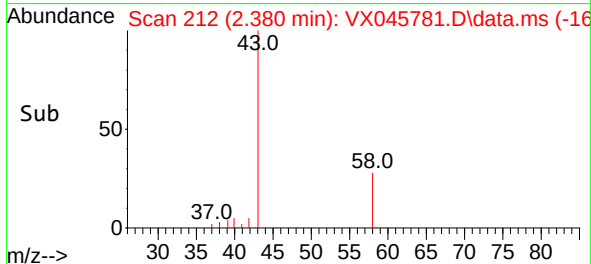
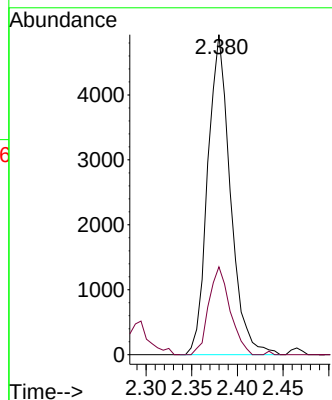
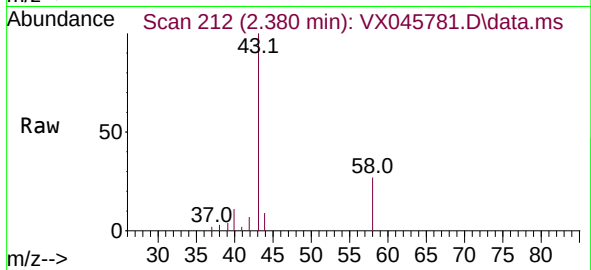




#16
Acetone
Concen: 16.107 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

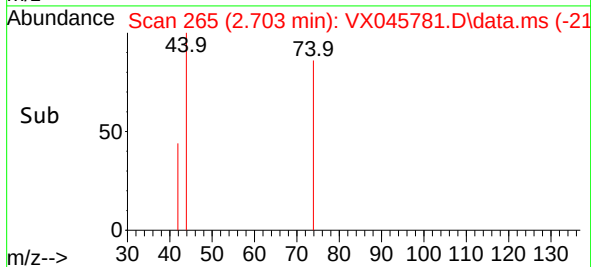
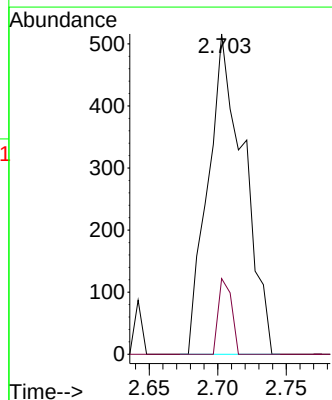
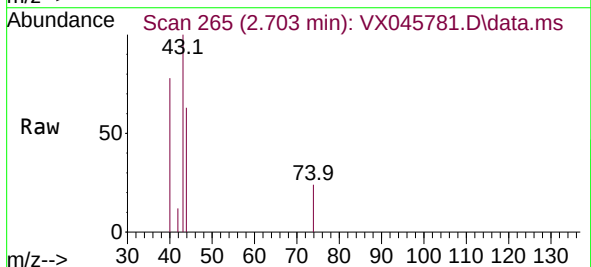
Instrument :
MSVOA_X
ClientSampleId :
31125

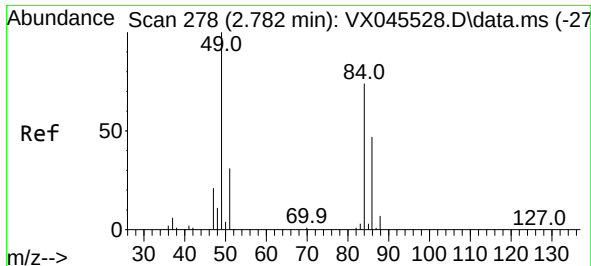
Tgt Ion: 43 Resp: 8487
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



#18
Methyl Acetate
Concen: 0.774 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
74 8.6 17.5 26.3#

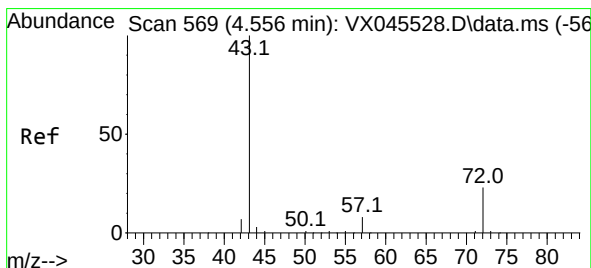
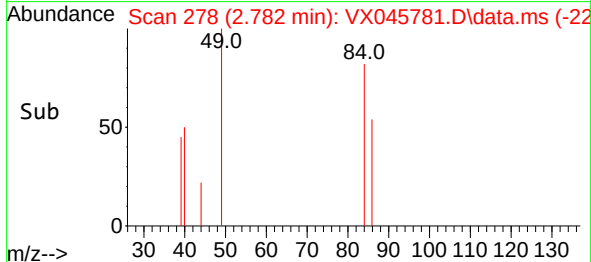
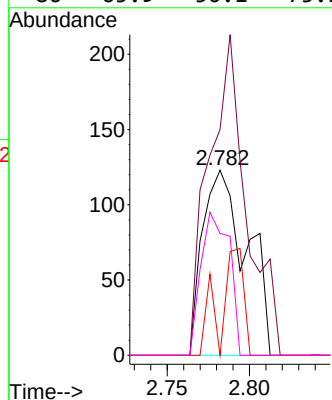
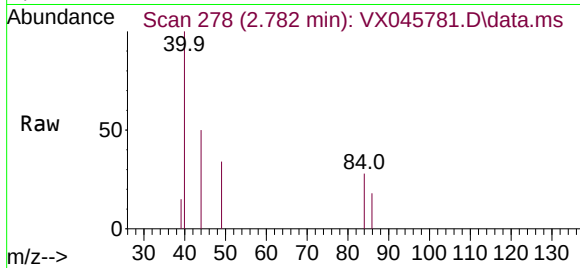




#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

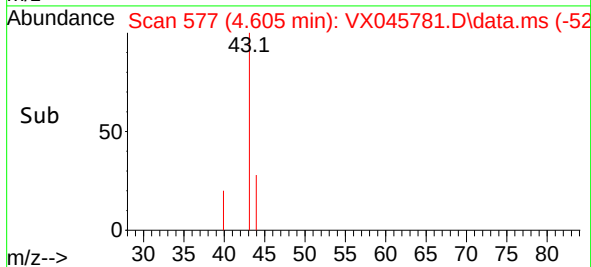
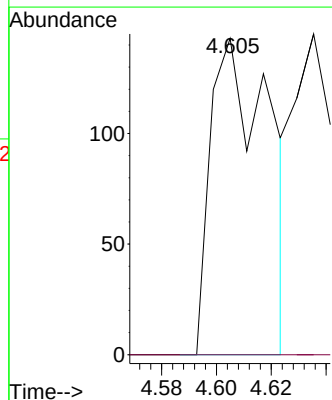
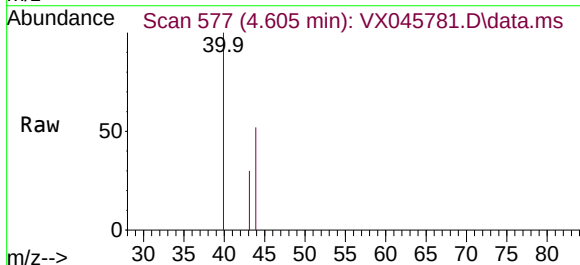
Instrument :
MSVOA_X
ClientSampleId :
31125

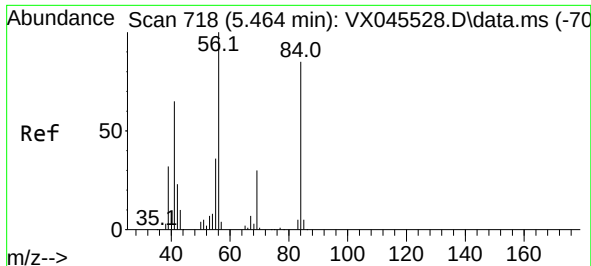
Tgt Ion:	84	Resp:	229
Ion	Ratio	Lower	Upper
84	100		
49	122.0	107.5	161.3
51	0.0	33.0	49.6#
86	65.9	50.1	75.1



#25
2-Butanone
Concen: 0.275 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion:	43	Resp:	212
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	28.0#

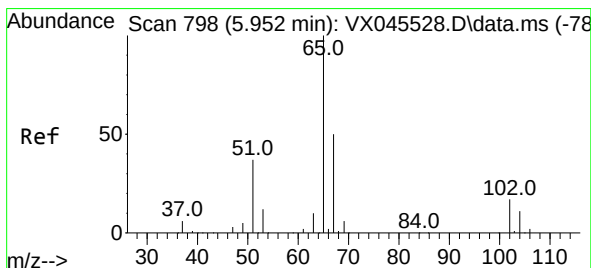
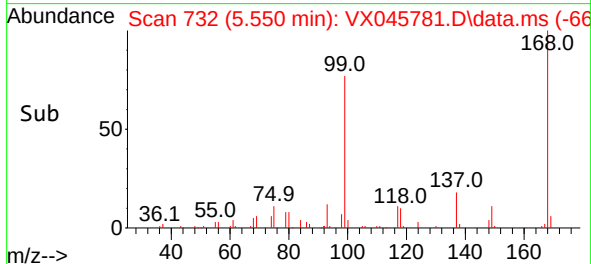
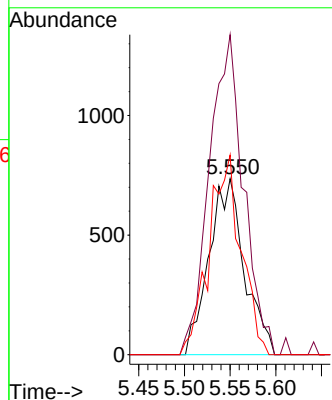
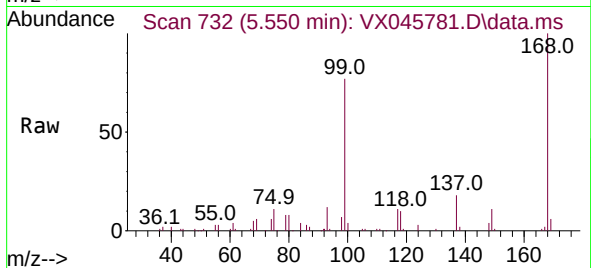




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

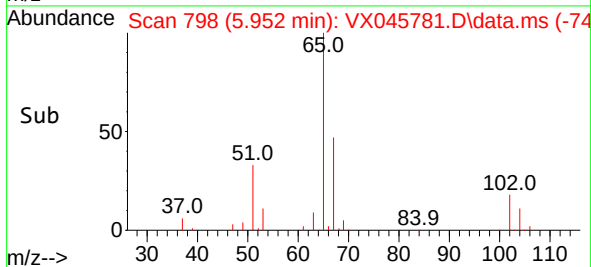
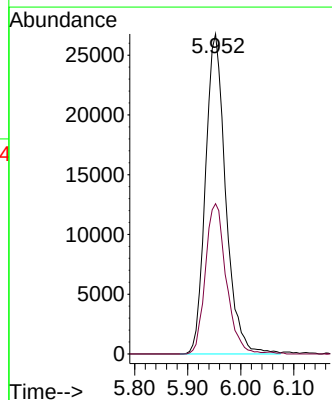
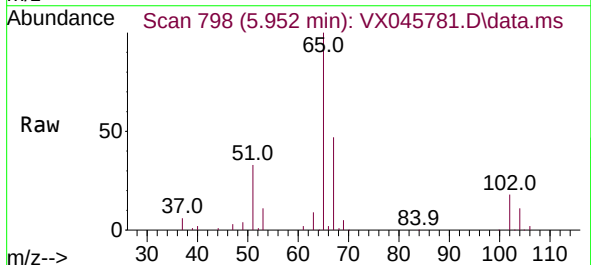
Instrument :
MSVOA_X
ClientSampleId :
31125

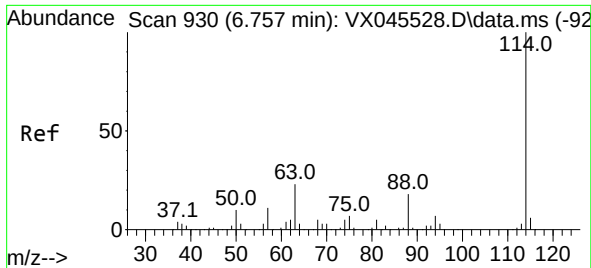
Tgt Ion: 56 Resp: 1975
Ion Ratio Lower Upper
56 100
69 181.8 23.6 35.4#
84 113.5 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.255 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 65 Resp: 70902
Ion Ratio Lower Upper
65 100
67 48.3 0.0 99.0

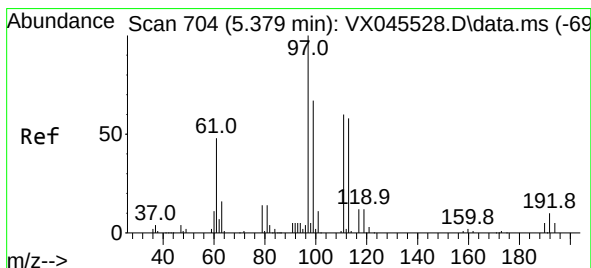
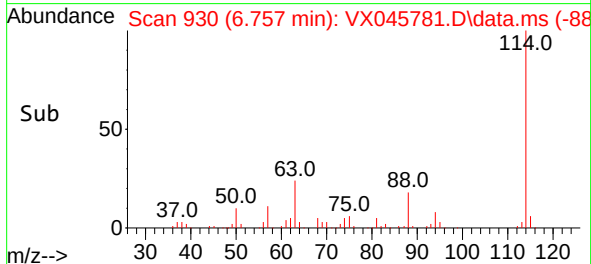
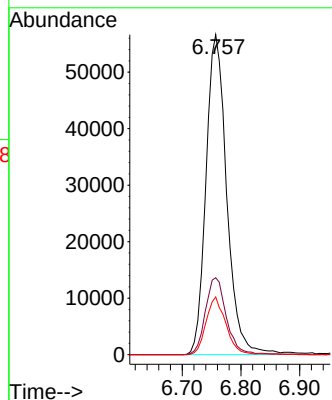
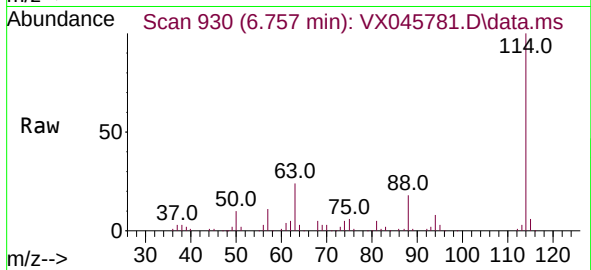




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

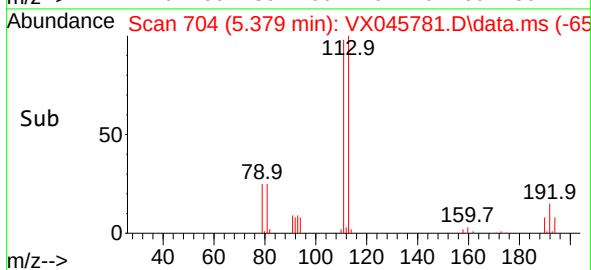
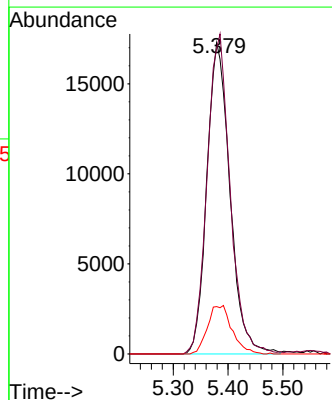
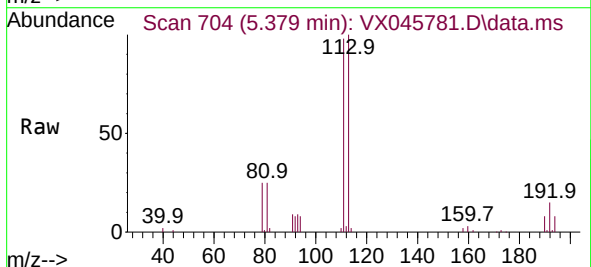
Instrument :
MSVOA_X
ClientSampleId :
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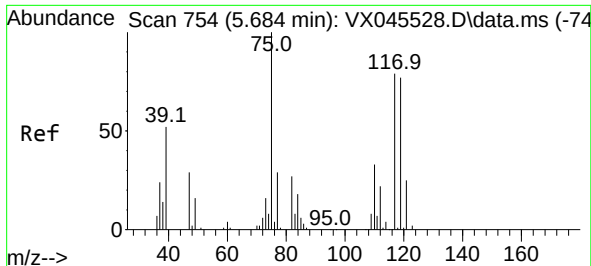
Tgt Ion:114 Resp: 138896
Ion Ratio Lower Upper
114 100
63 24.0 0.0 46.8
88 18.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.399 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion:113 Resp: 50652
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 16.4 13.8 20.6

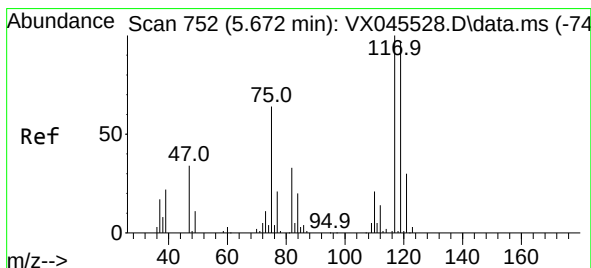
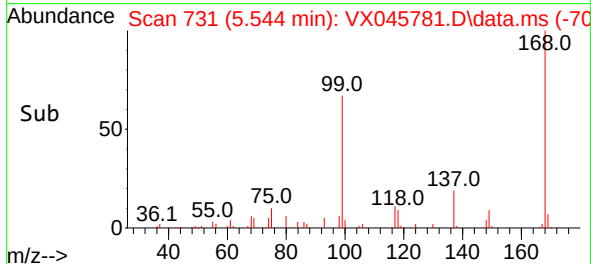
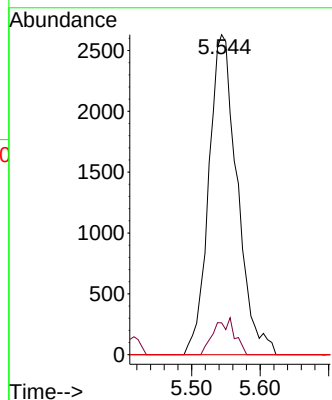
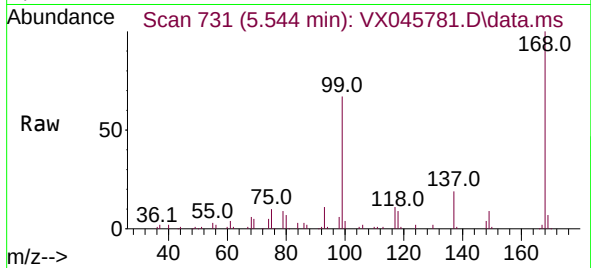




#36
1,1-Dichloropropene
Concen: 5.689 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

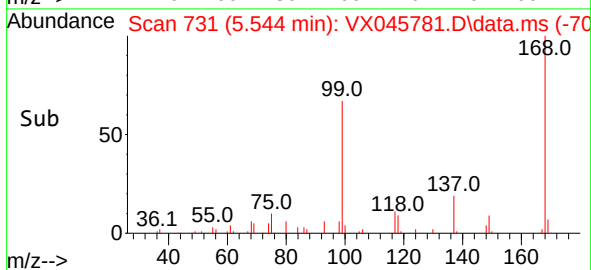
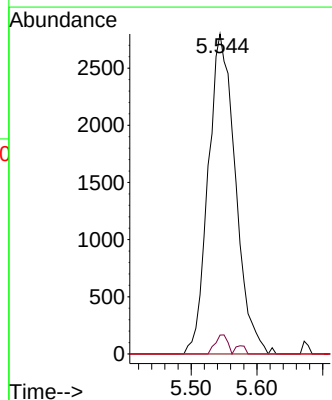
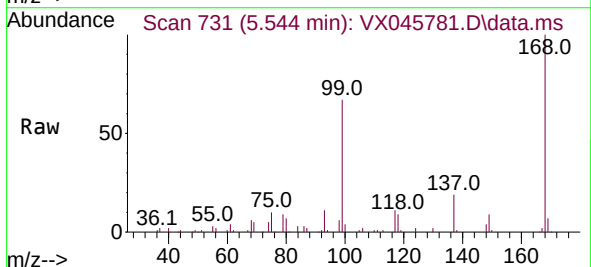
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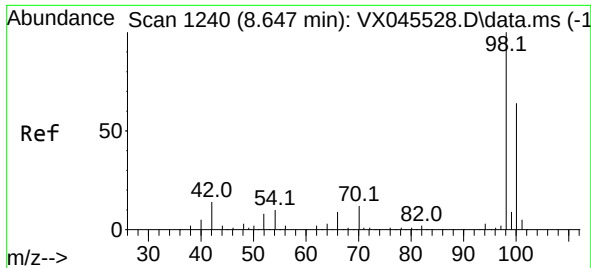
Tgt Ion: 75 Resp: 7570
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 117 Resp: 8062
Ion Ratio Lower Upper
117 100
119 5.9 76.9 115.3#
121 0.0 24.2 36.2#

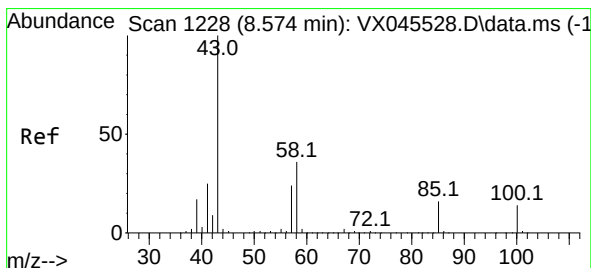
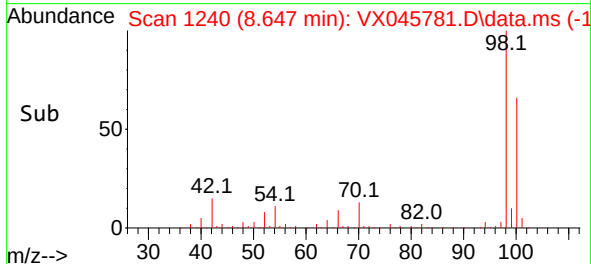
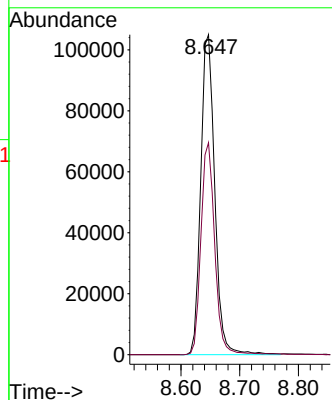
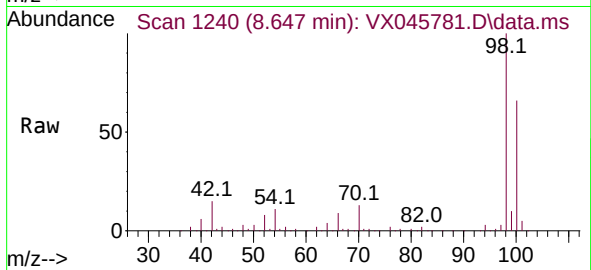




#50
Toluene-d8
Concen: 50.613 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

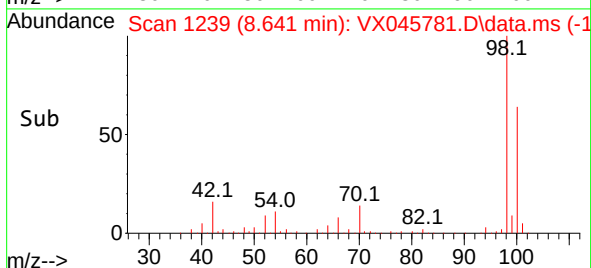
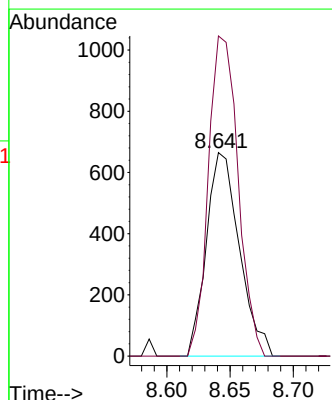
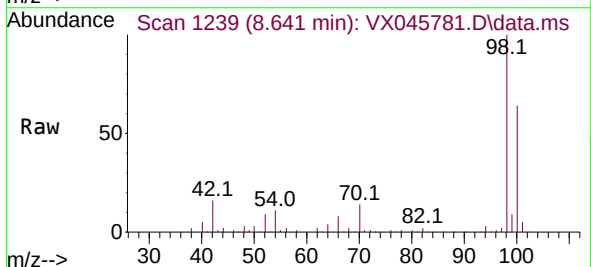
Instrument :
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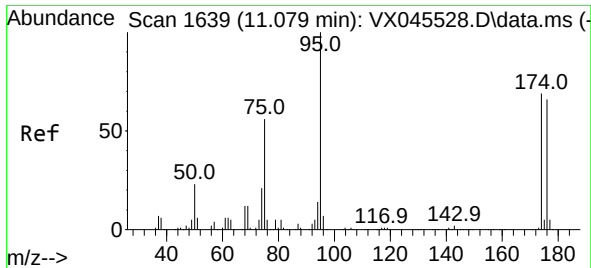
Tgt Ion: 98 Resp: 174091
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 141.1 28.5 42.7#

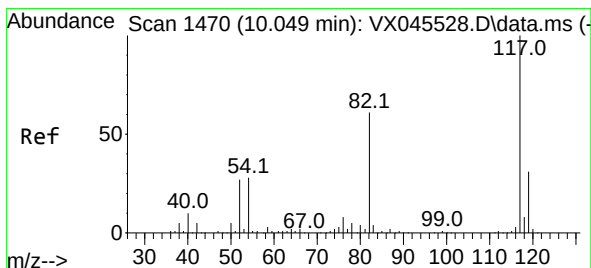
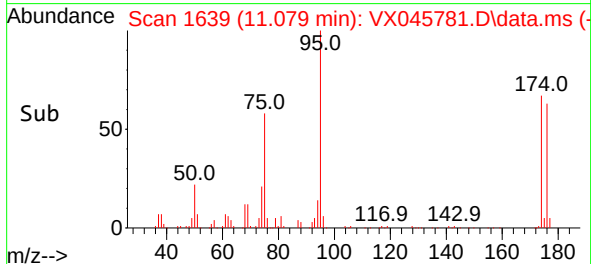
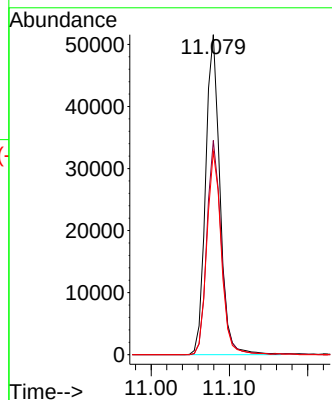
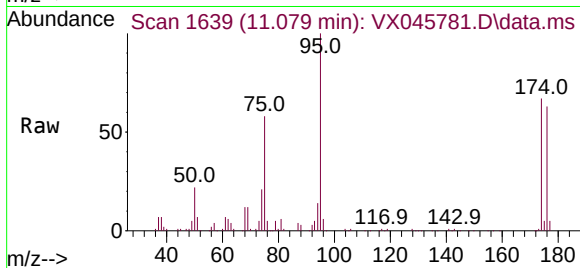




#62
4-Bromofluorobenzene
Concen: 52.248 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

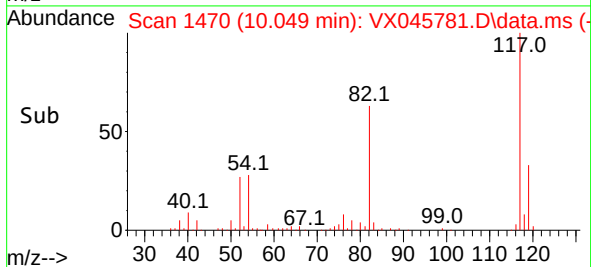
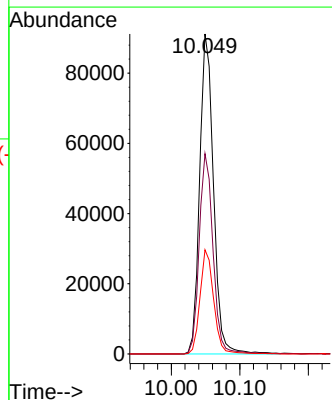
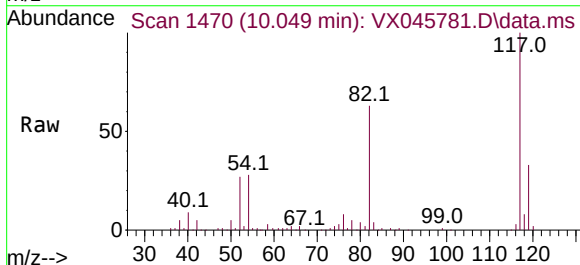
Instrument :
MSVOA_X
ClientSampleId :
31125

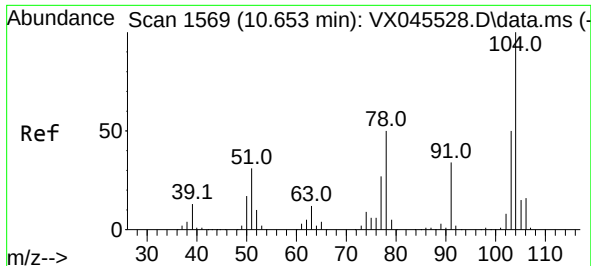
Tgt Ion: 95 Resp: 65462
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 63.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 117 Resp: 128279
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 32.6 25.1 37.7

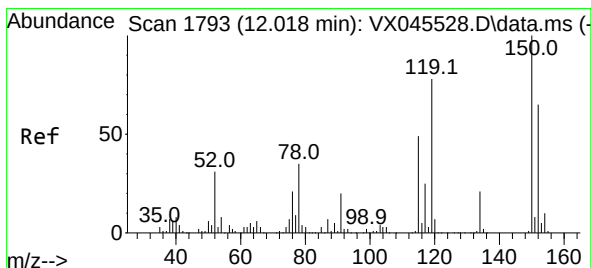
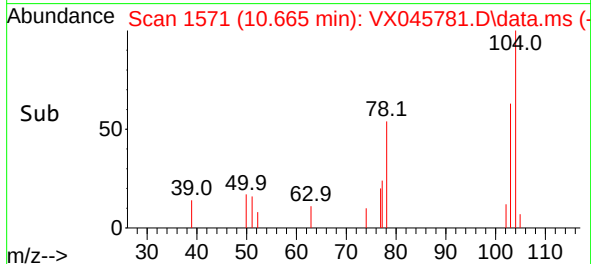
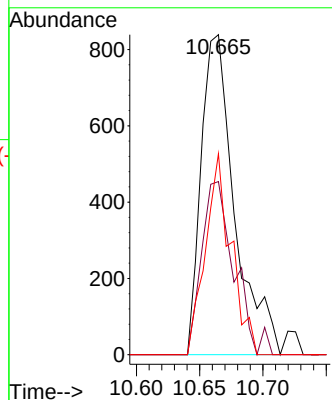
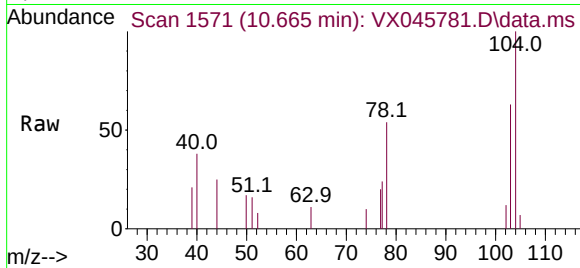




#70
Styrene
Concen: 0.535 ug/l
RT: 10.665 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

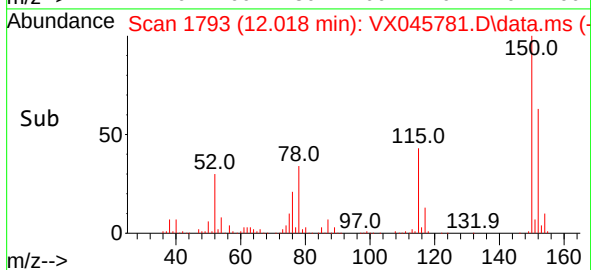
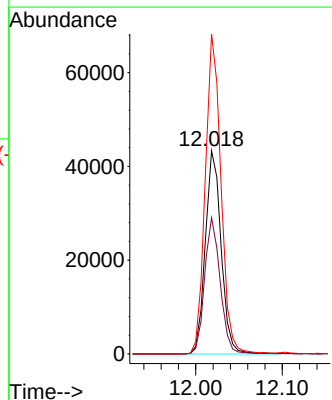
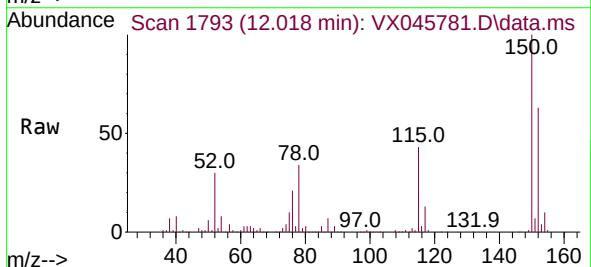
Instrument :
MSVOA_X
ClientSampleId :
31125

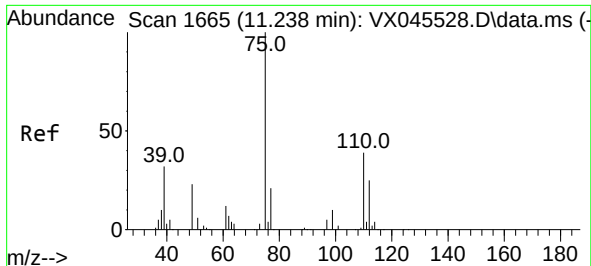
Tgt Ion:104 Resp: 1552
Ion Ratio Lower Upper
104 100
78 52.3 45.4 68.2
103 47.8 43.8 65.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion:152 Resp: 54956
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 156.6 0.0 349.4

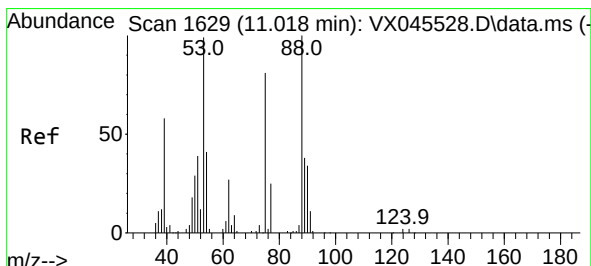
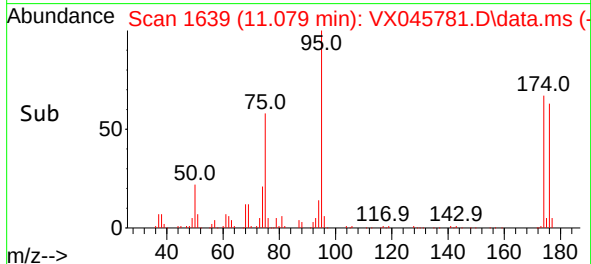
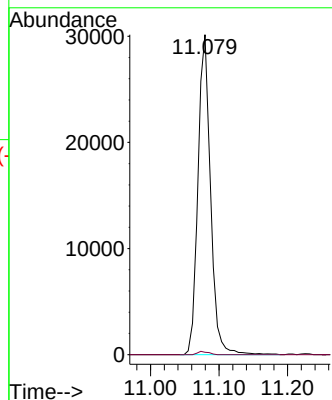
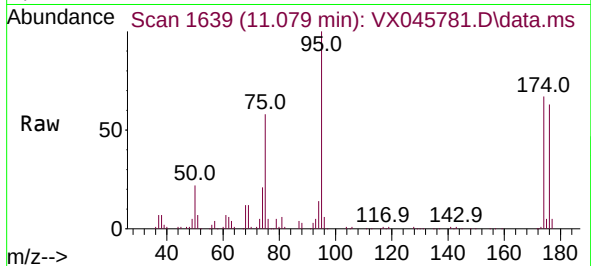




#76
1,2,3-Trichloropropane
Concen: 28.797 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

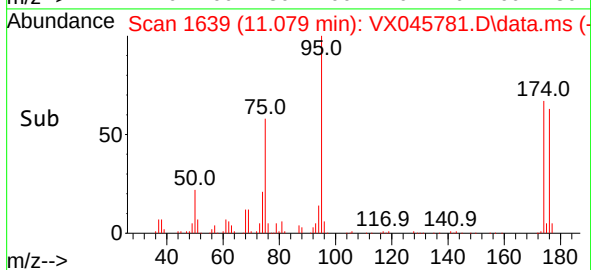
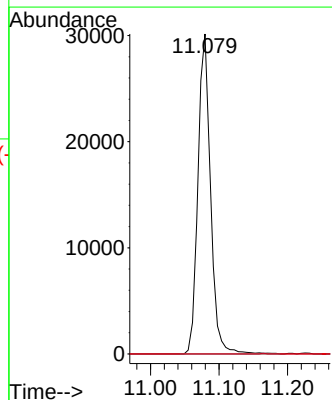
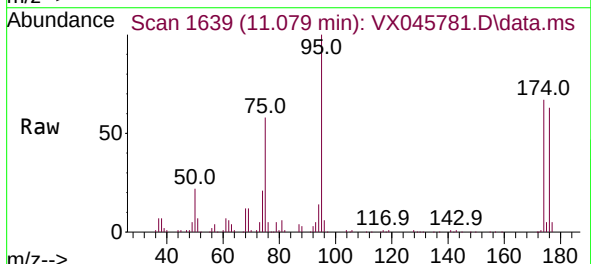
Instrument :
MSVOA_X
ClientSampleId :
31125

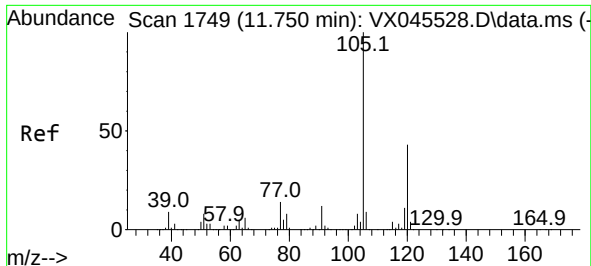
Tgt Ion: 75 Resp: 38603
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.735 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045781.D
Acq: 14 Apr 2025 20:13

Tgt Ion: 75 Resp: 38603
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

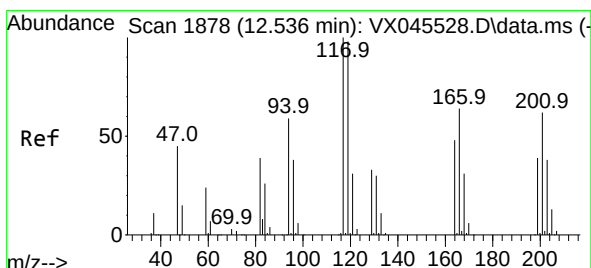
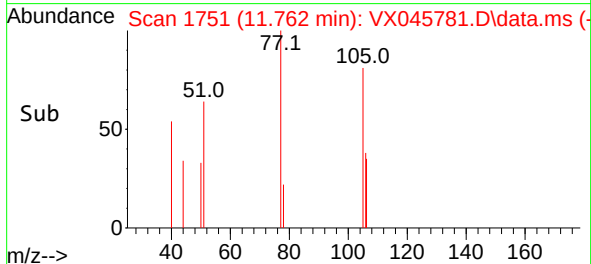
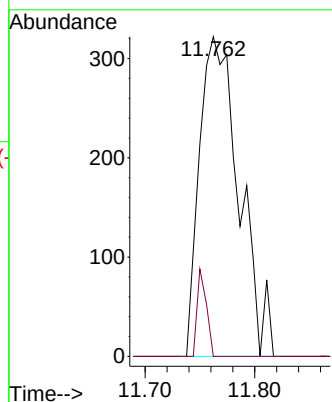
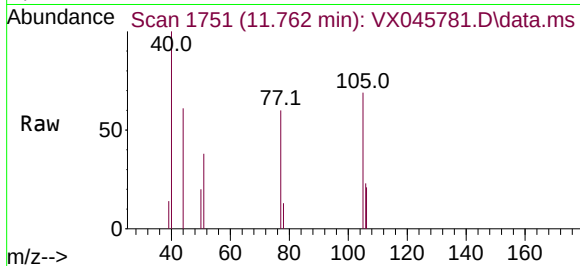




#84
 1,2,4-Trimethylbenzene
 Concen: 0.221 ug/l
 RT: 11.762 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX045781.D
 Acq: 14 Apr 2025 20:13

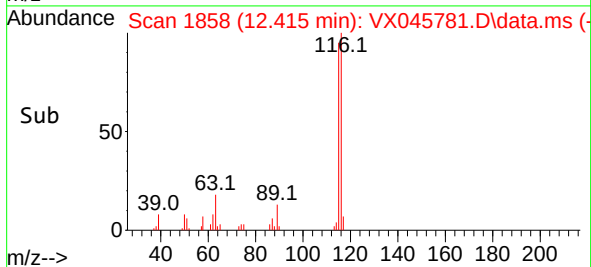
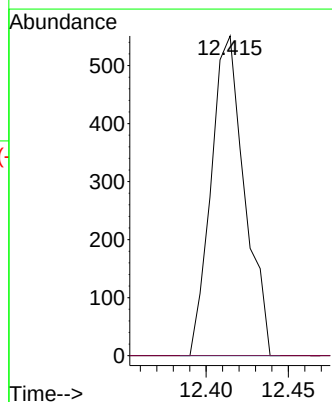
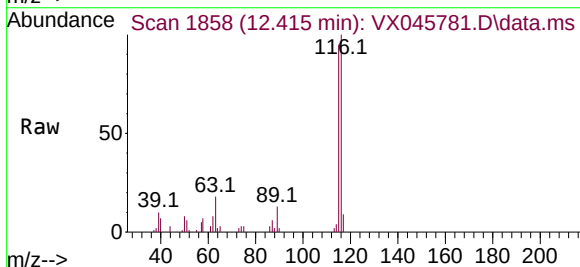
Instrument :
 MSVOA_X
 ClientSampleId :
 31125

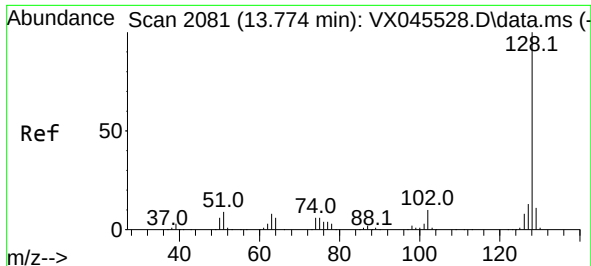
Tgt Ion:105 Resp: 808
 Ion Ratio Lower Upper
 105 100
 120 6.3 21.4 64.3#



#90
 Hexachloroethane
 Concen: 1.244 ug/l
 RT: 12.415 min Scan# 1858
 Delta R.T. -0.122 min
 Lab File: VX045781.D
 Acq: 14 Apr 2025 20:13

Tgt Ion:117 Resp: 780
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.2 93.6#





#95

Naphthalene

Concen: 26.263 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX045781.D

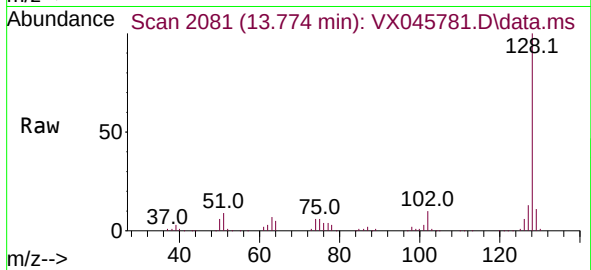
Acq: 14 Apr 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

31125



Tgt Ion:128 Resp: 100138

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 8.6 12.8

