

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046375.D
 Acq On : 28 May 2025 10:59
 Operator : JC/MD
 Sample : VX0528WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

Quant Time: May 29 03:32:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

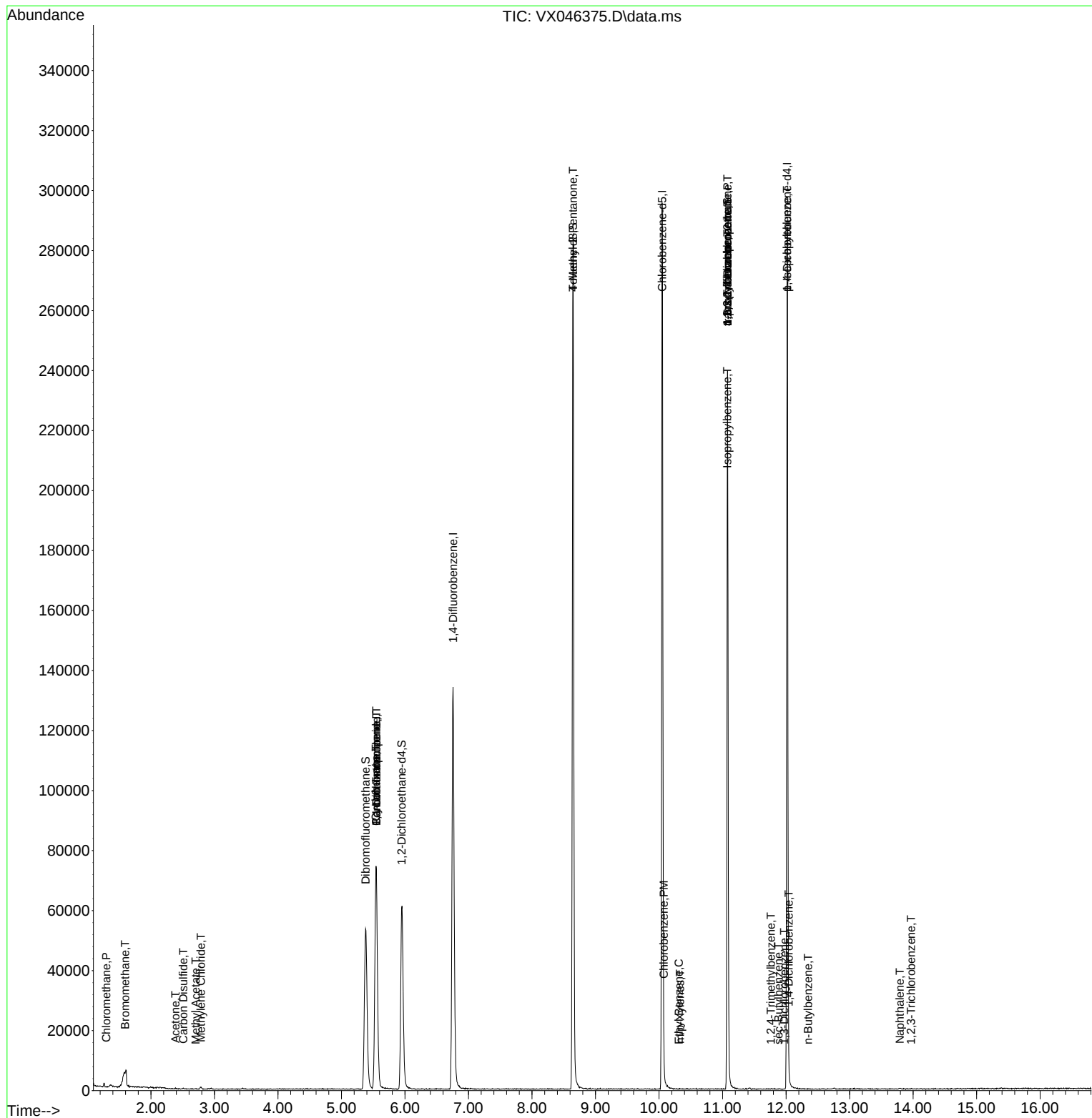
Internal Standards						
1) Pentafluorobenzene	5.550	168	62500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63709	54.676	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	5.379	113	46635	51.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.647	98	158459	50.572	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.079	95	61666	51.307	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.620%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	109	0.117	ug/l #	43
5) Bromomethane	1.593	94	70	0.175	ug/l #	4
16) Acetone	2.386	43	172	0.368	ug/l #	48
17) Carbon Disulfide	2.508	76	252	0.143	ug/l #	76
18) Methyl Acetate	2.703	43	118	0.109	ug/l #	55
20) Methylene Chloride	2.788	84	298	0.333	ug/l #	73
31) Cyclohexane	5.544	56	1893	1.363	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	6286	5.168	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7746	5.668	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	912	0.599	ug/l #	1
65) Chlorobenzene	10.073	112	19	0.007	ug/l #	43
67) Ethyl Benzene	10.311	91	48	0.010	ug/l #	45
68) m/p-Xylenes	10.329	106	21	0.012	ug/l	91
73) Isopropylbenzene	11.073	105	82	0.020	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.079	83	27	0.019	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35954	28.215	ug/l #	36
78) n-propylbenzene	11.079	91	307	0.064	ug/l #	54
81) trans-1,4-Dichloro-2-b...	11.079	75	35954	91.861	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.762	105	24	0.007	ug/l #	33
85) sec-Butylbenzene	11.884	105	20	0.005	ug/l #	57
86) p-Isopropyltoluene	12.018	119	42	0.012	ug/l #	1
87) 1,3-Dichlorobenzene	11.969	146	24	0.014	ug/l #	24
88) 1,4-Dichlorobenzene	12.042	146	139	0.078	ug/l #	24
89) n-Butylbenzene	12.347	91	25	0.008	ug/l #	33
95) Naphthalene	13.792	128	427	0.116	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	59	0.057	ug/l #	37

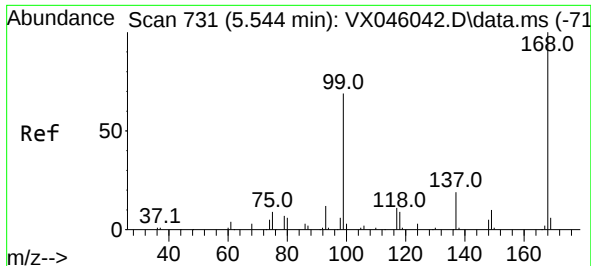
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
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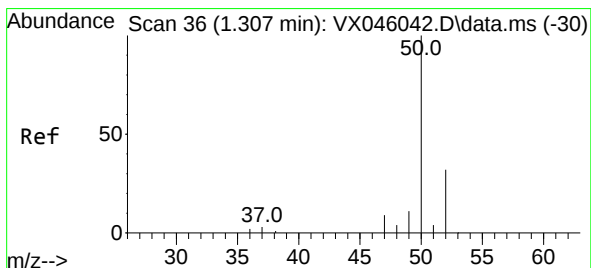
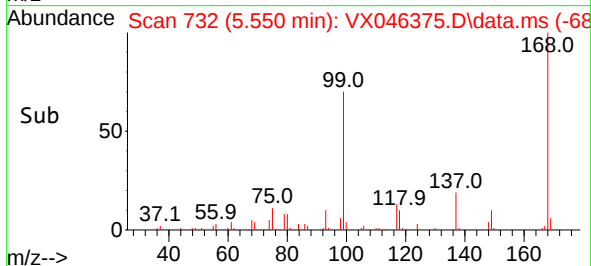
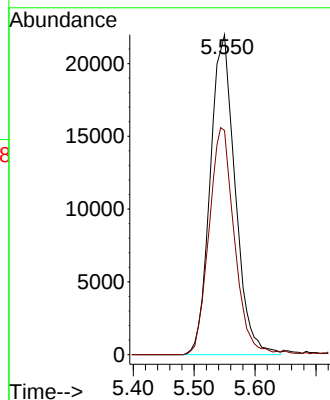
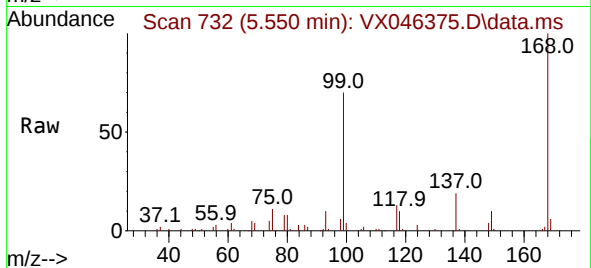




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

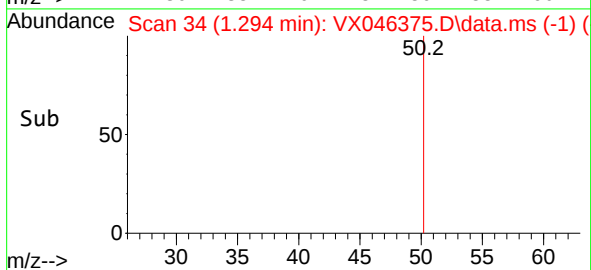
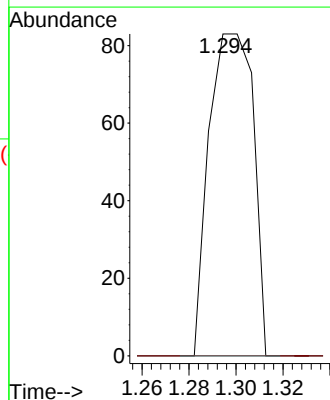
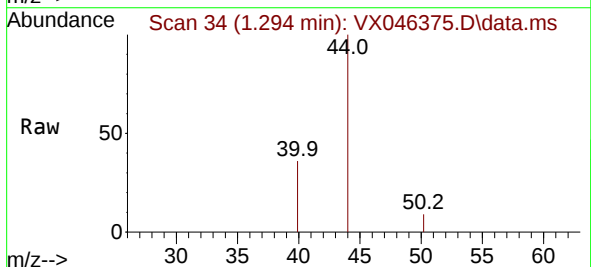
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

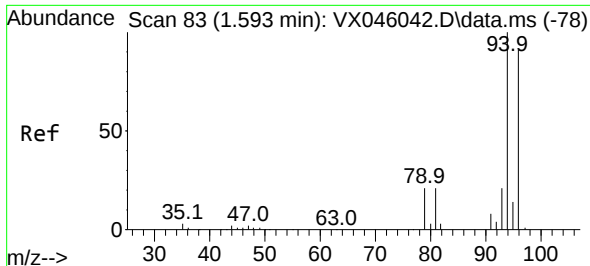
Tgt Ion:168 Resp: 62500
Ion Ratio Lower Upper
168 100
99 70.0 54.9 82.3



#3
Chloromethane
Concen: 0.117 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

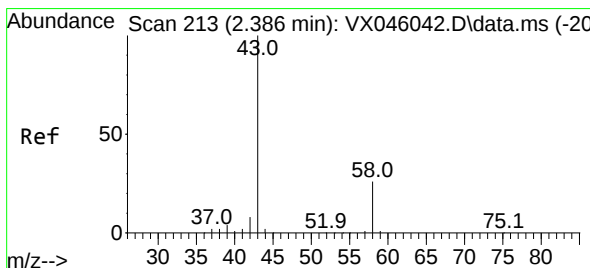
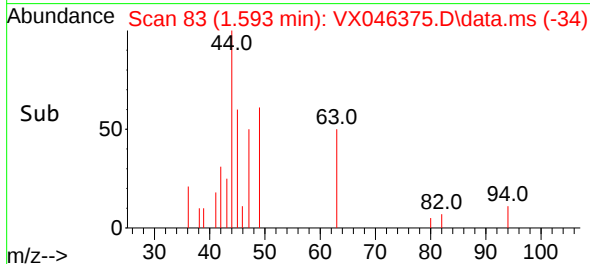
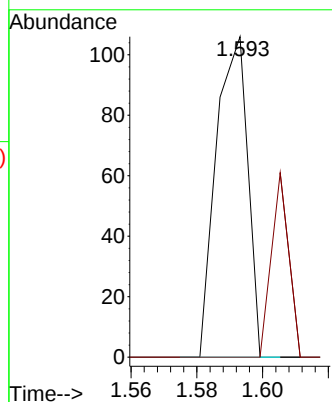
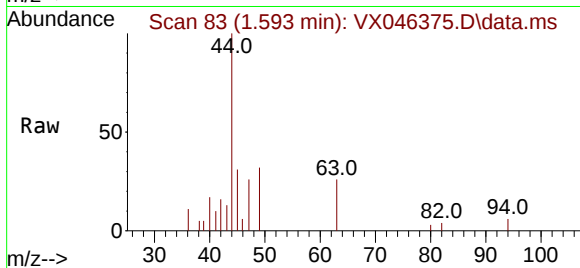




#5
Bromomethane
Concen: 0.175 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

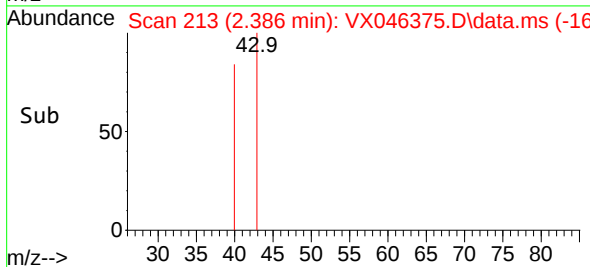
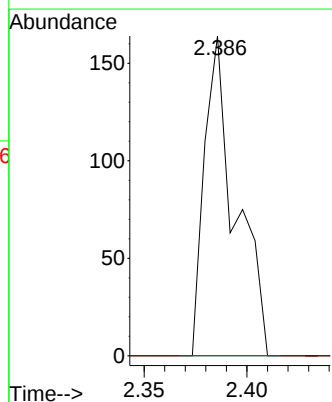
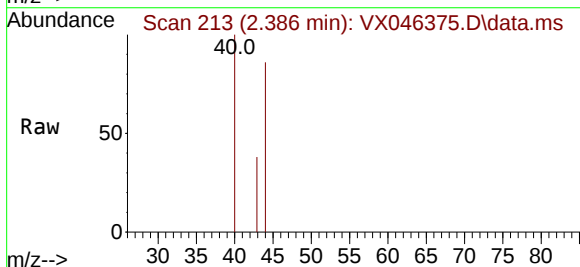
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

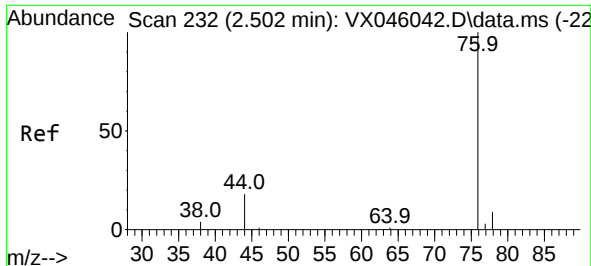
Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#16
Acetone
Concen: 0.368 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#17

Carbon Disulfide

Concen: 0.143 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046375.D

Acq: 28 May 2025 10:59

Instrument :

MSVOA_X

ClientSampleId :

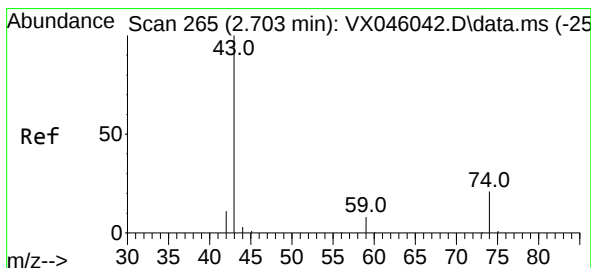
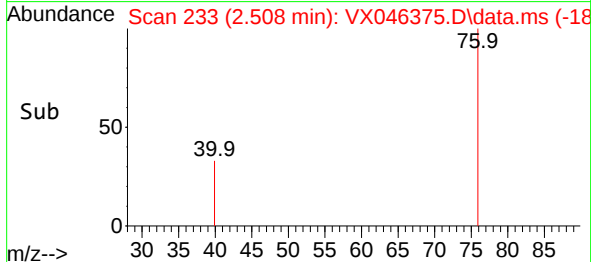
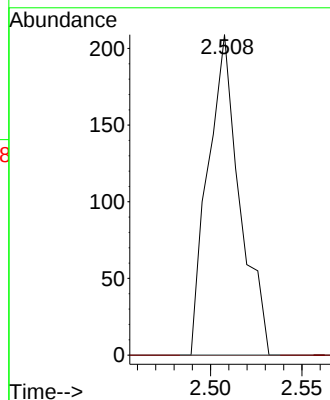
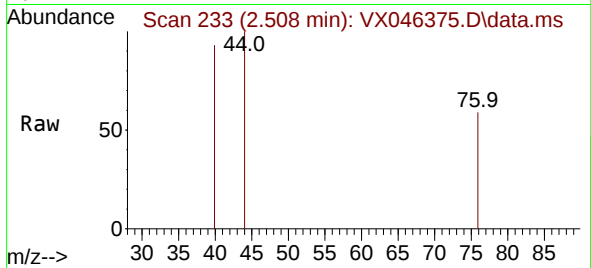
VX0528WBL01

Tgt Ion: 76 Resp: 252

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 0.109 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX046375.D

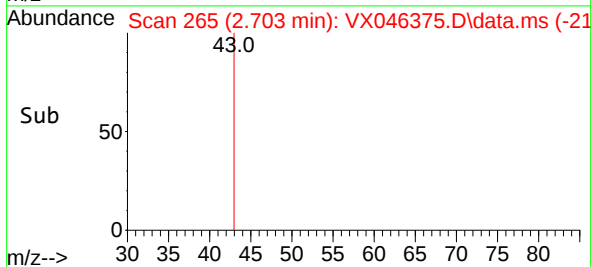
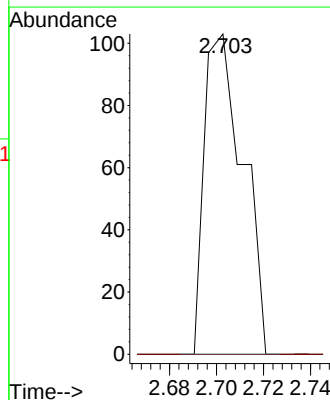
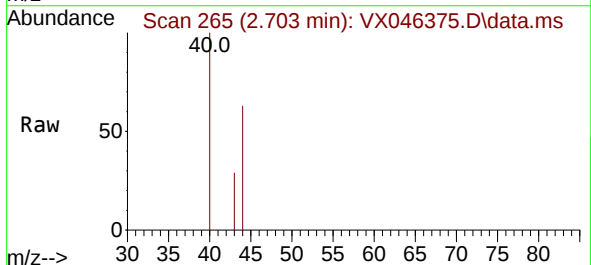
Acq: 28 May 2025 10:59

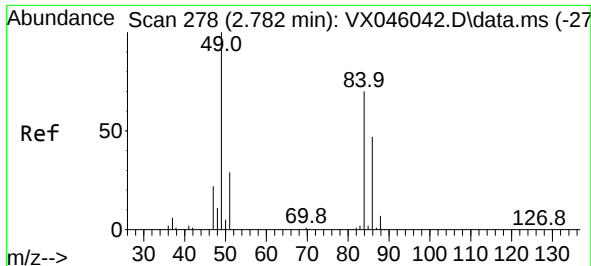
Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

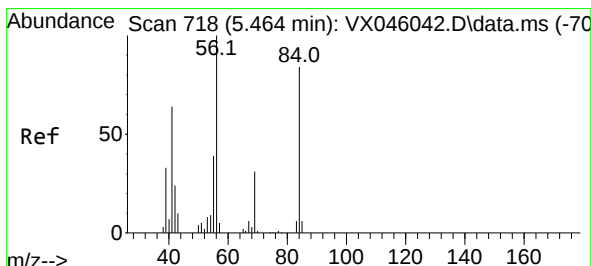
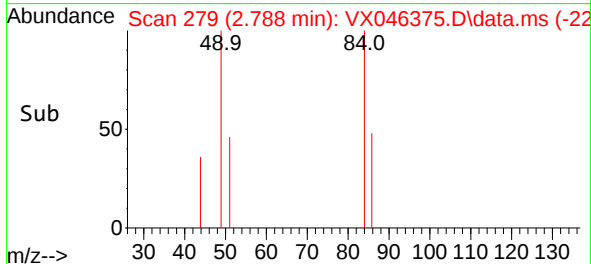
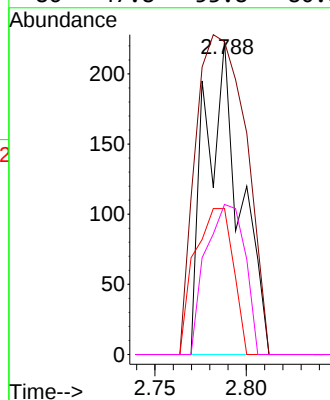
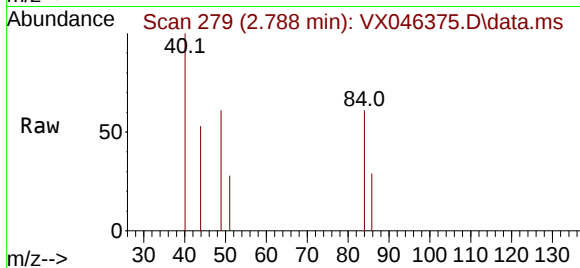




#20
Methylene Chloride
Concen: 0.333 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

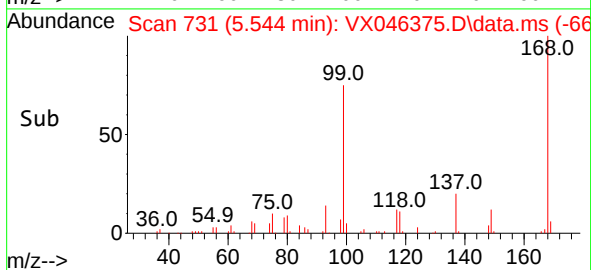
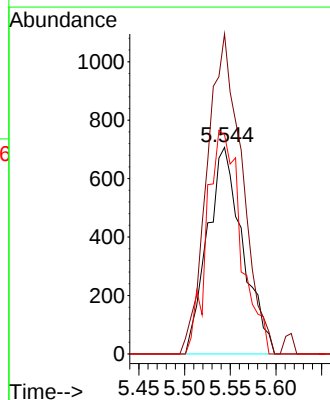
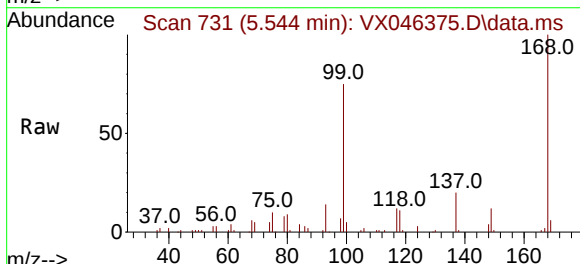
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

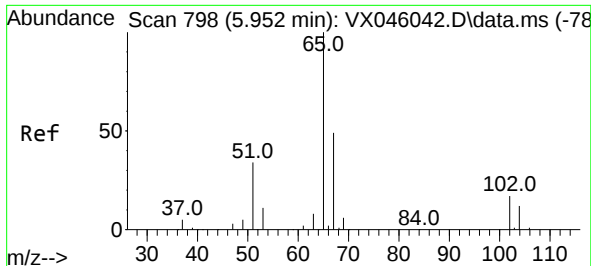
Tgt Ion:	84	Resp:	298
Ion	Ratio	Lower	Upper
84	100		
49	99.6	113.9	170.9#
51	46.4	33.5	50.3
86	47.8	53.8	80.8#



#31
Cyclohexane
Concen: 1.363 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion:	56	Resp:	1893
Ion	Ratio	Lower	Upper
56	100		
69	154.9	24.4	36.6#
84	106.1	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.676 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046375.D

Acq: 28 May 2025 10:59

Instrument :

MSVOA_X

ClientSampleId :

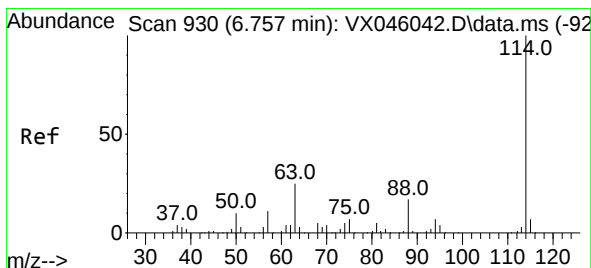
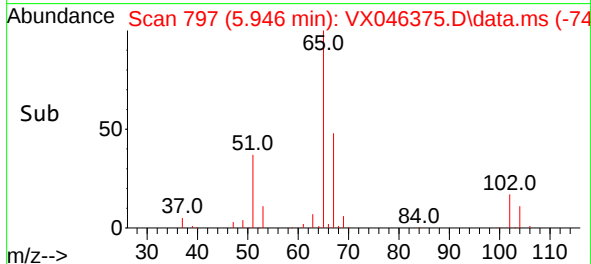
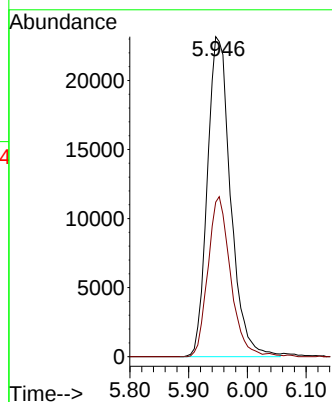
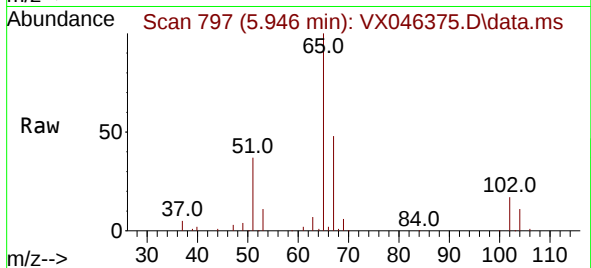
VX0528WBL01

Tgt Ion: 65 Resp: 63709

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046375.D

Acq: 28 May 2025 10:59

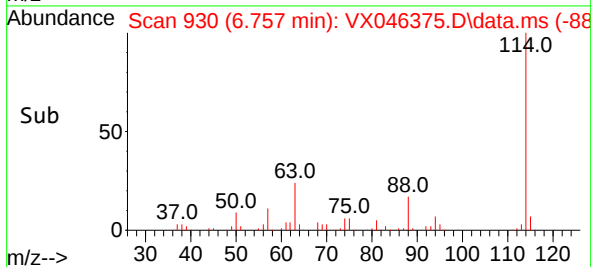
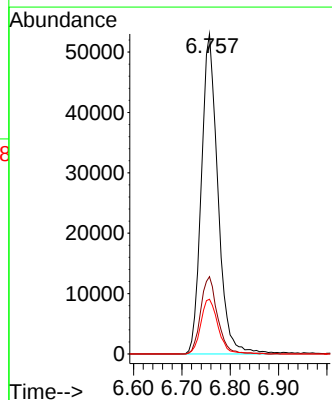
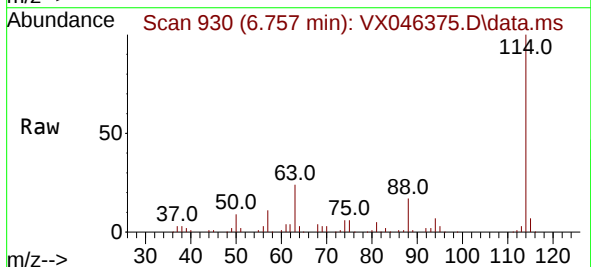
Tgt Ion: 114 Resp: 125716

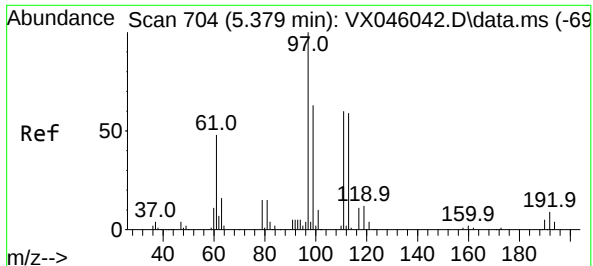
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.2

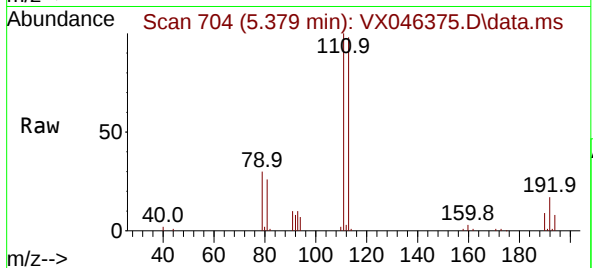
88 17.1 0.0 33.6



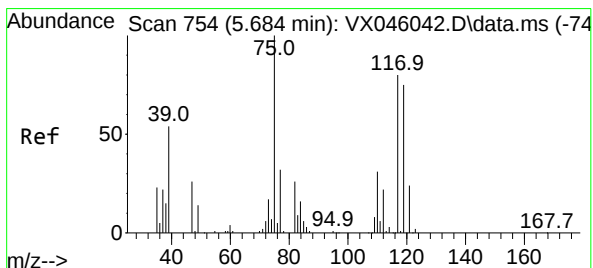
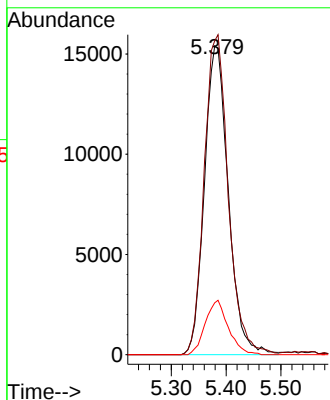
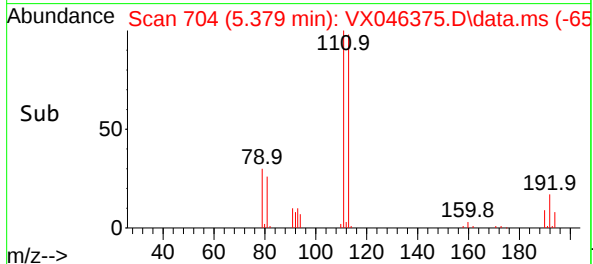


#35
Dibromofluoromethane
Concen: 51.514 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

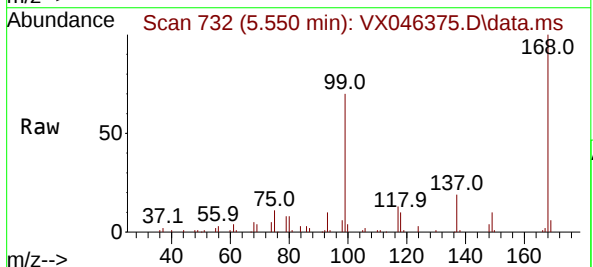
Instrument :
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ClientSampleId :
VX0528WBL01



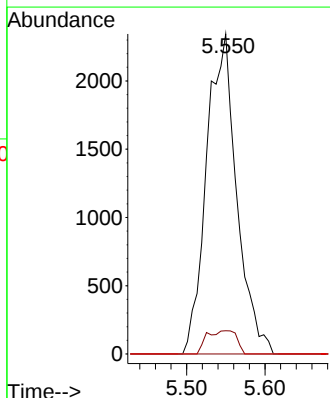
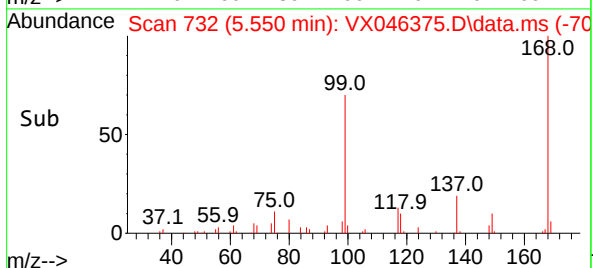
Tgt Ion:113 Resp: 46635
Ion Ratio Lower Upper
113 100
111 104.2 83.1 124.7
192 16.9 13.3 19.9

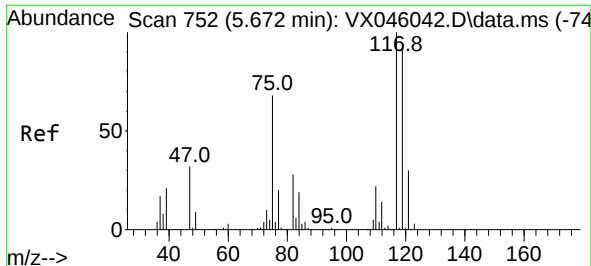


#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59



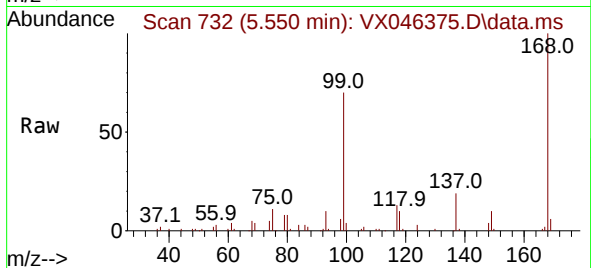
Tgt Ion: 75 Resp: 6286
Ion Ratio Lower Upper
75 100
110 7.2 16.3 48.9#
77 0.0 24.3 36.5#



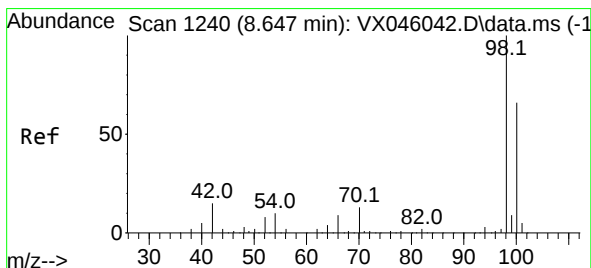
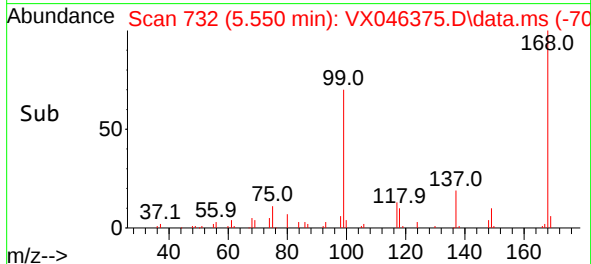
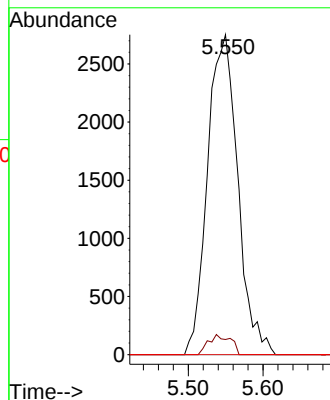


#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

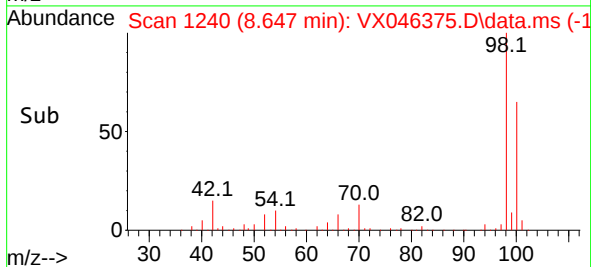
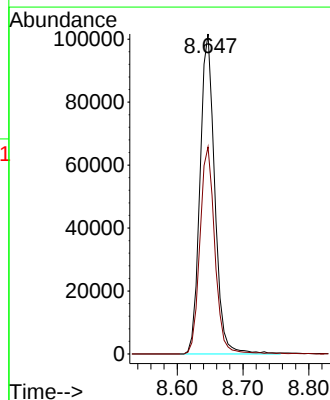
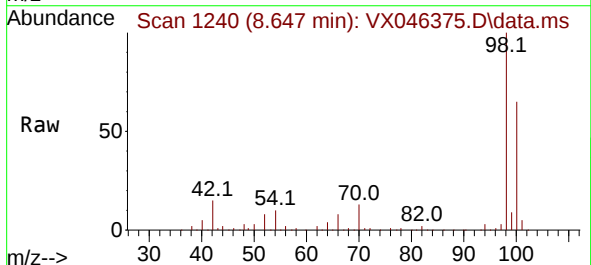


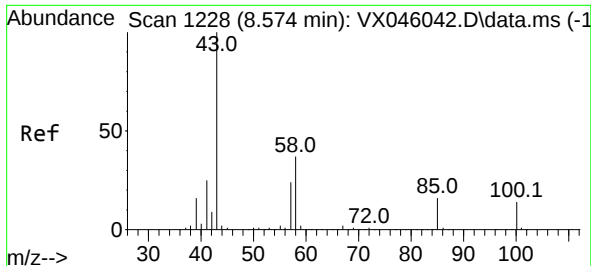
Tgt Ion:117 Resp: 7746
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.572 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 98 Resp: 158459
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3

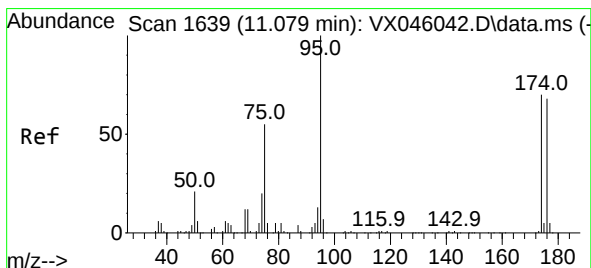
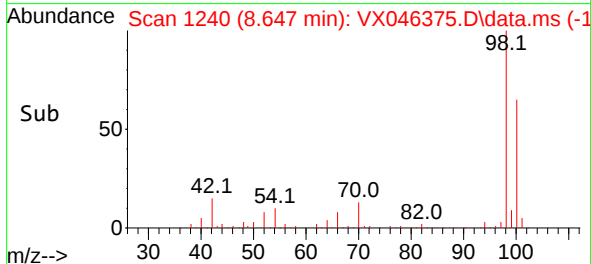
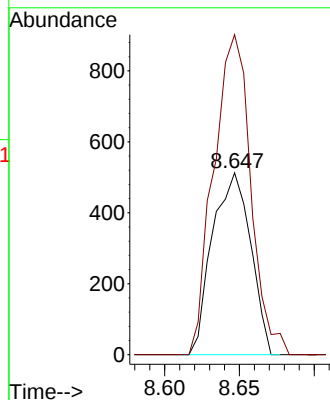
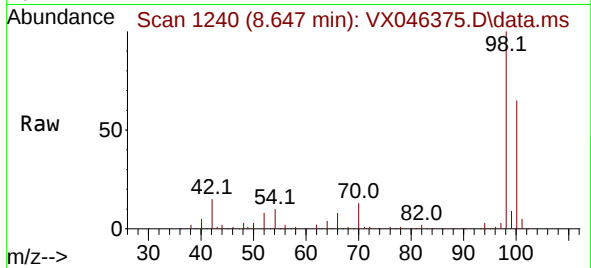




#51
 4-Methyl-2-Pentanone
 Concen: 0.599 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX046375.D
 Acq: 28 May 2025 10:59

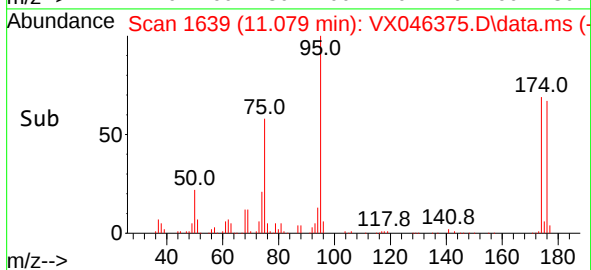
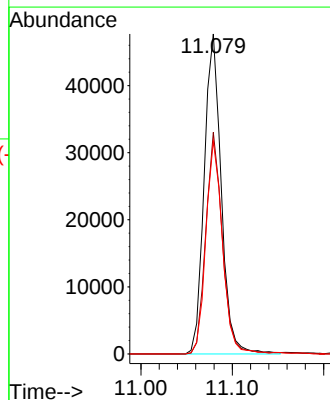
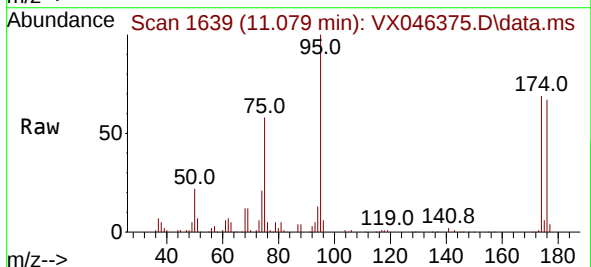
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

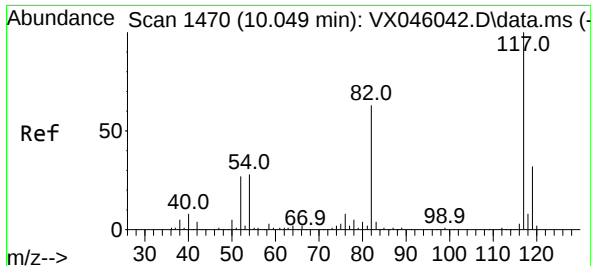
Tgt Ion: 43 Resp: 912
 Ion Ratio Lower Upper
 43 100
 58 170.9 28.9 43.3#



#62
 4-Bromofluorobenzene
 Concen: 51.307 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX046375.D
 Acq: 28 May 2025 10:59

Tgt Ion: 95 Resp: 61666
 Ion Ratio Lower Upper
 95 100
 174 68.0 0.0 135.8
 176 64.9 0.0 131.4

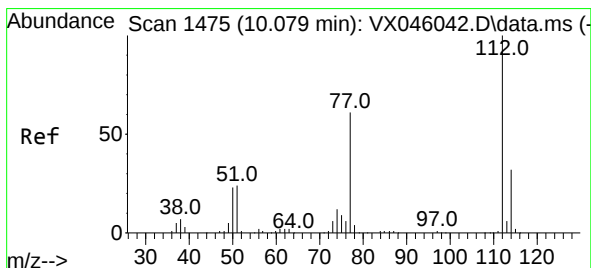
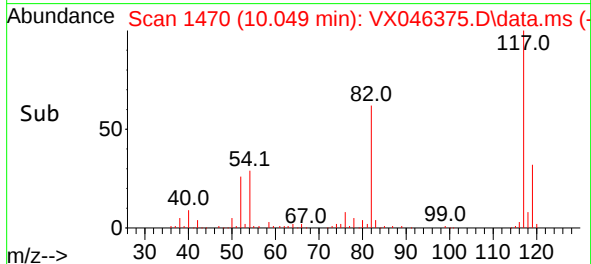
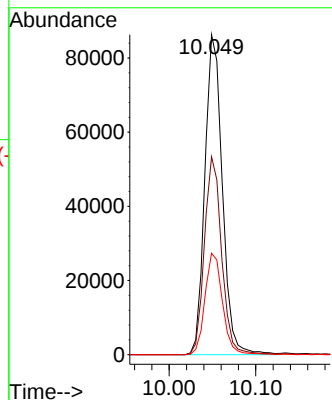
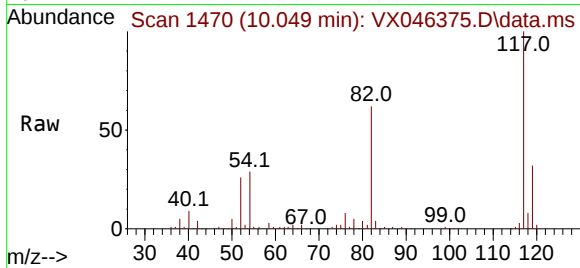




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

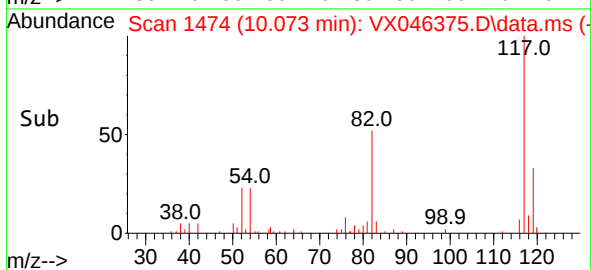
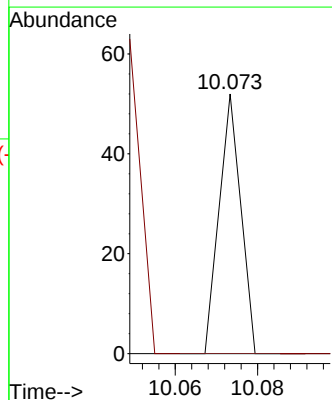
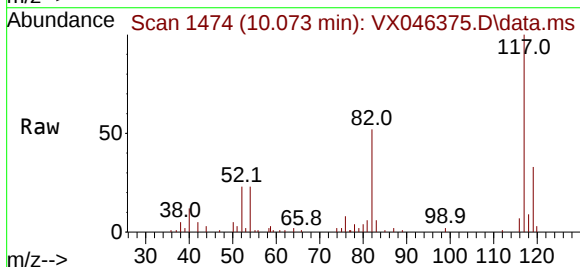
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

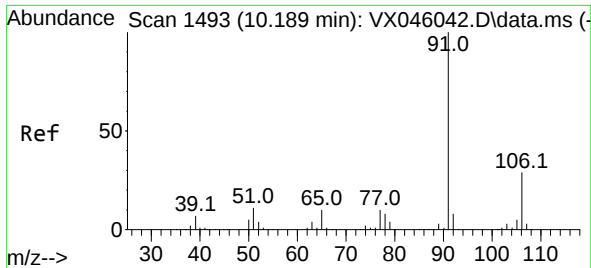
Tgt Ion:117 Resp: 121200
Ion Ratio Lower Upper
117 100
82 61.9 50.6 76.0
119 31.7 25.8 38.6



#65
Chlorobenzene
Concen: 0.007 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion:112 Resp: 19
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.2#





#67

Ethyl Benzene

Concen: 0.010 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.122 min

Lab File: VX046375.D

Acq: 28 May 2025 10:59

Instrument :

MSVOA_X

ClientSampleId :

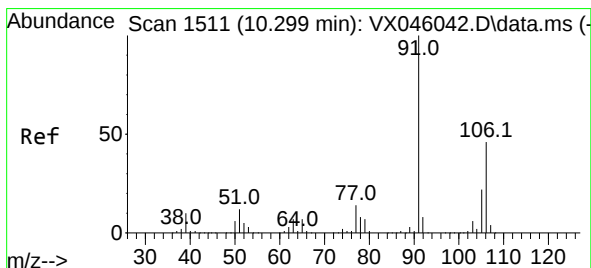
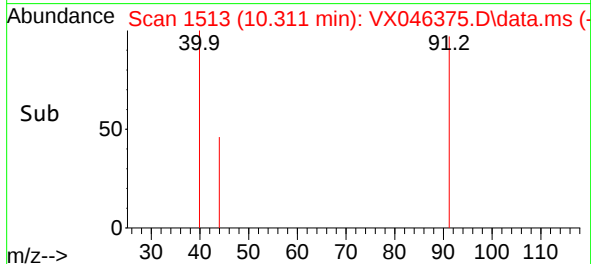
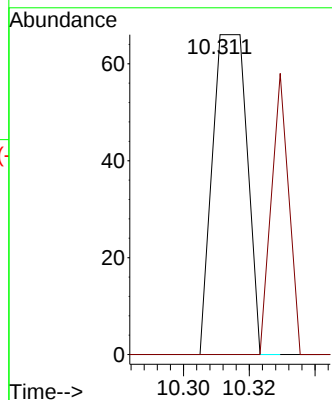
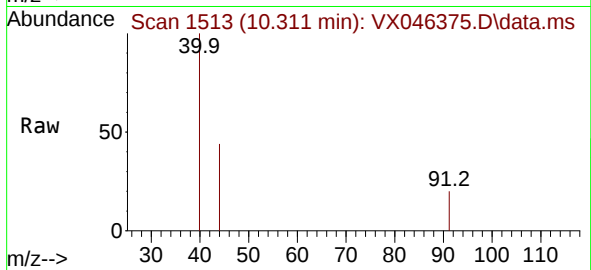
VX0528WBL01

Tgt Ion: 91 Resp: 48

Ion Ratio Lower Upper

91 100

106 0.0 23.4 35.2#



#68

m/p-Xylenes

Concen: 0.012 ug/l

RT: 10.329 min Scan# 1516

Delta R.T. 0.030 min

Lab File: VX046375.D

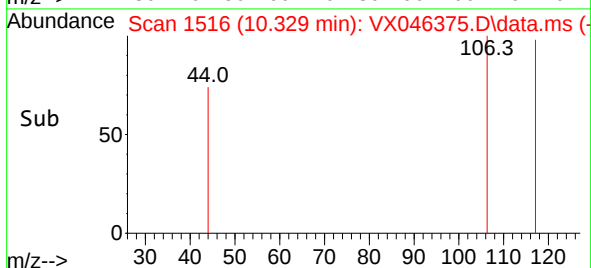
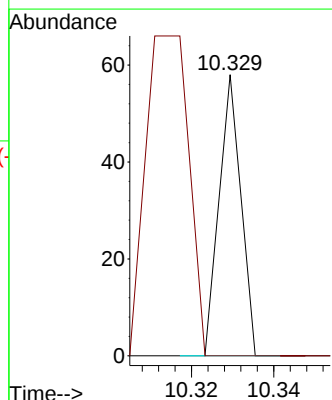
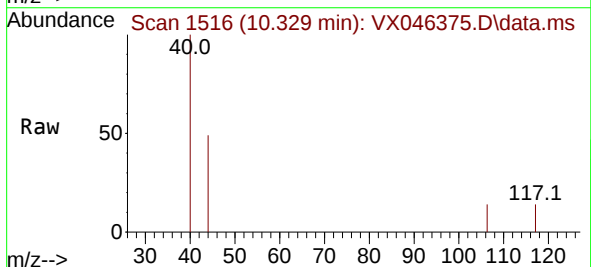
Acq: 28 May 2025 10:59

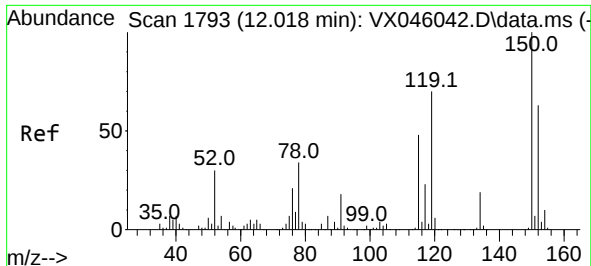
Tgt Ion: 106 Resp: 21

Ion Ratio Lower Upper

106 100

91 228.6 171.2 256.8

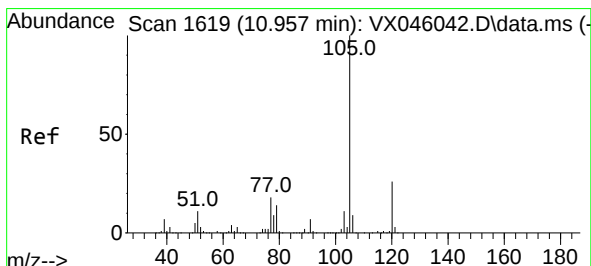
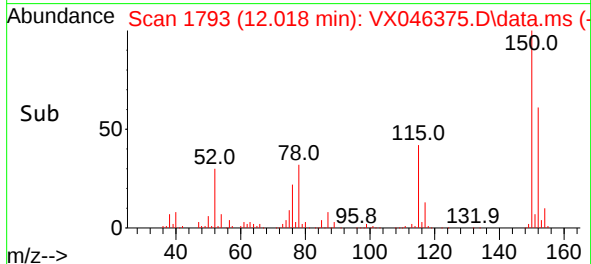
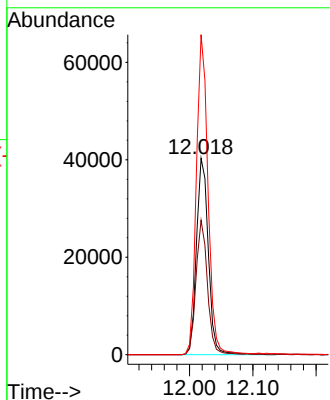
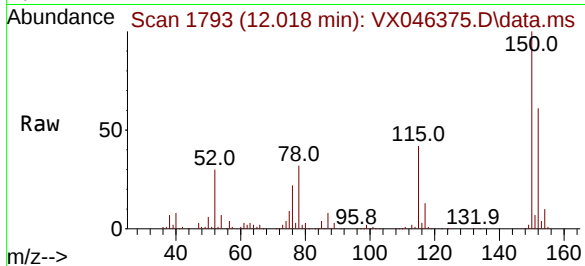




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

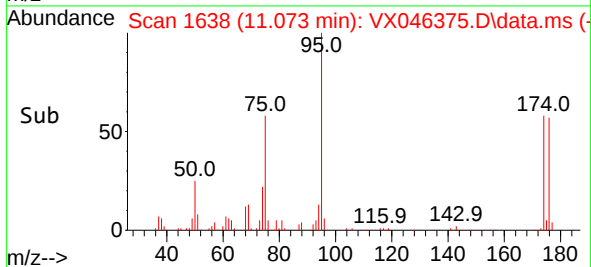
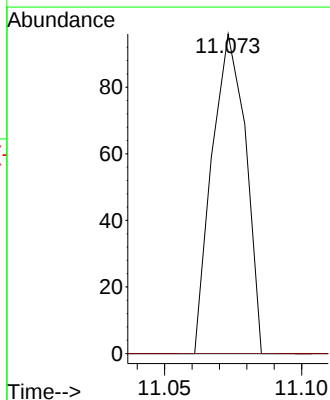
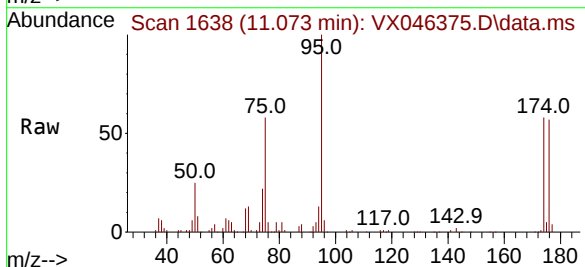
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

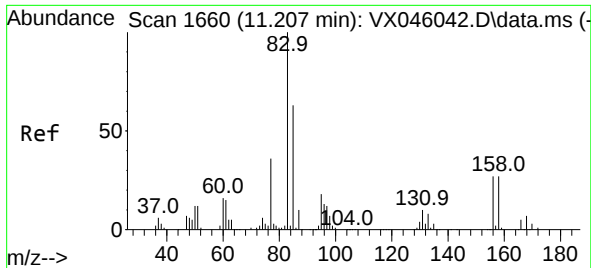
Tgt Ion:152 Resp: 52939
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 158.8 0.0 351.0



#73
Isopropylbenzene
Concen: 0.020 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.116 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion:105 Resp: 82
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#

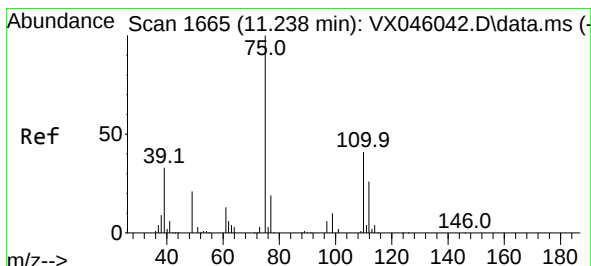
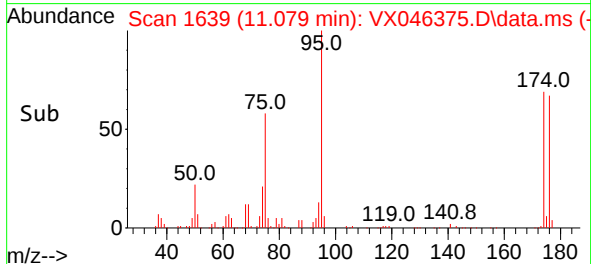
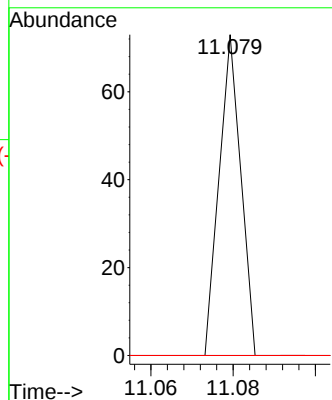
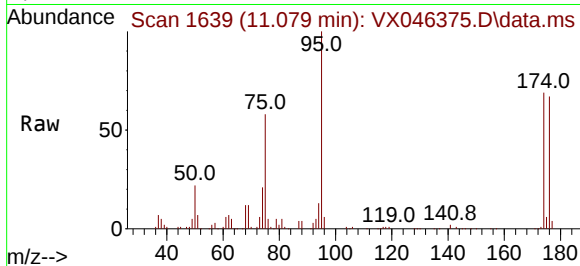




#75
1,1,2,2-Tetrachloroethane
Concen: 0.019 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

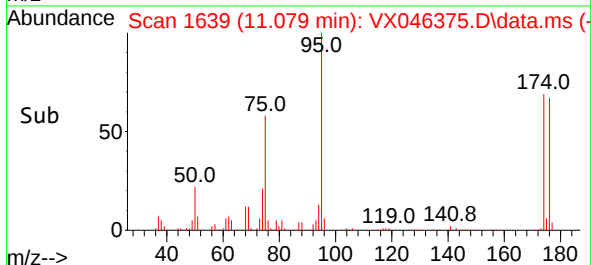
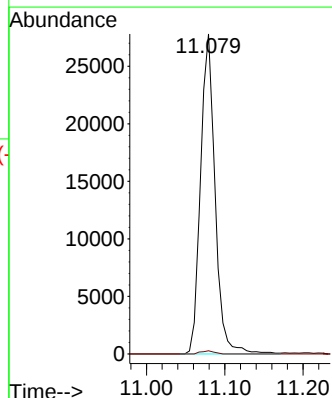
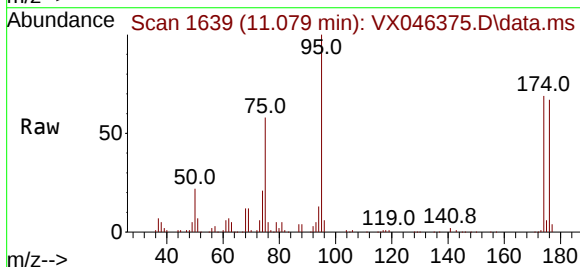
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

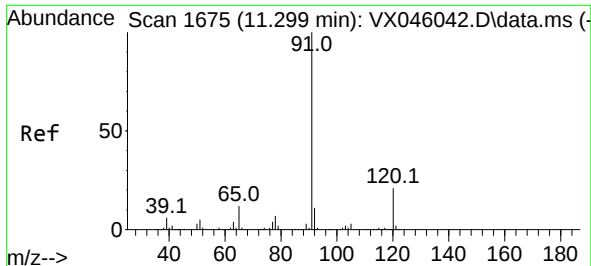
Tgt Ion: 83 Resp: 27
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 28.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 75 Resp: 35954
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#

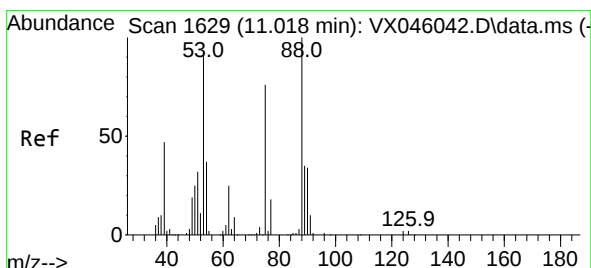
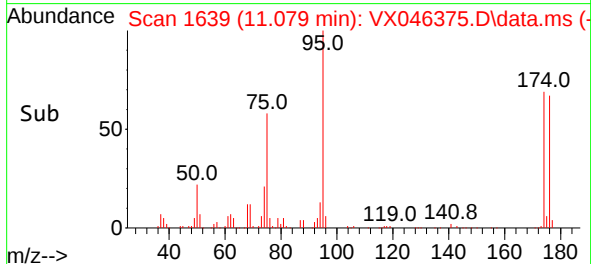
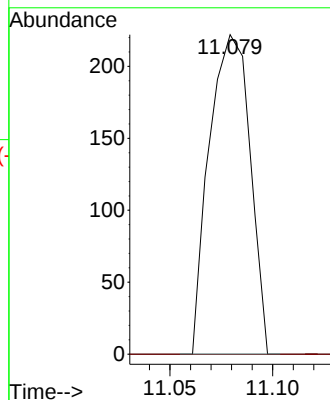
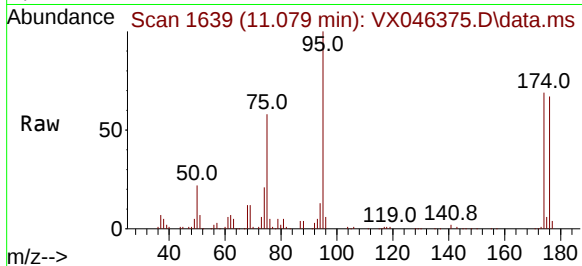




#78
n-propylbenzene
Concen: 0.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.220 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

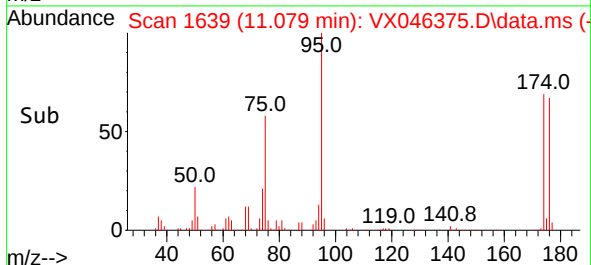
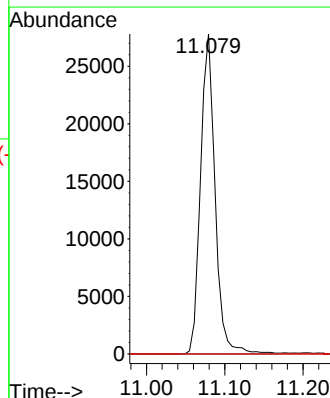
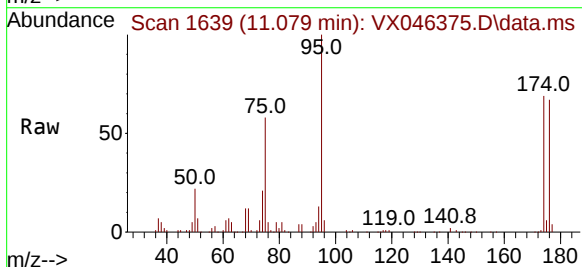
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

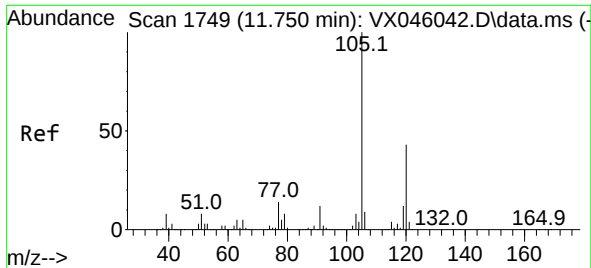
Tgt Ion: 91 Resp: 307
Ion Ratio Lower Upper
91 100
120 0.0 10.8 32.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.861 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 75 Resp: 35954
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

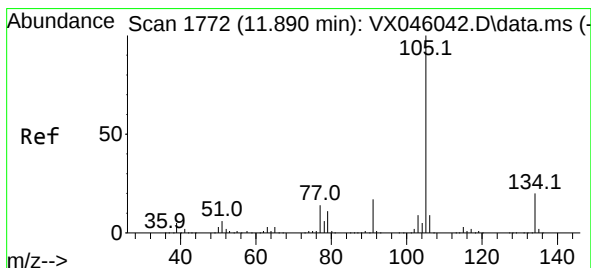
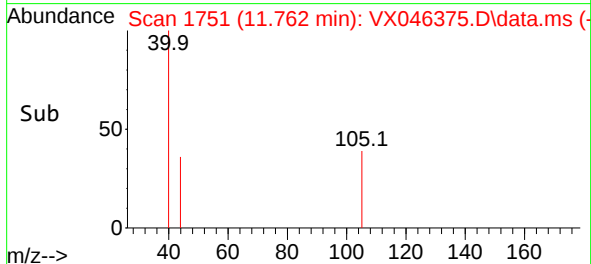
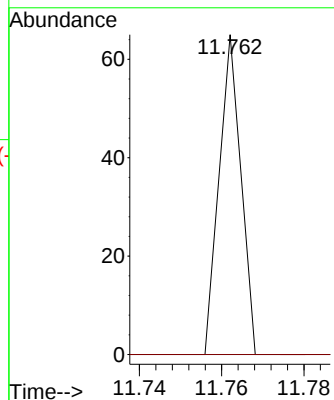
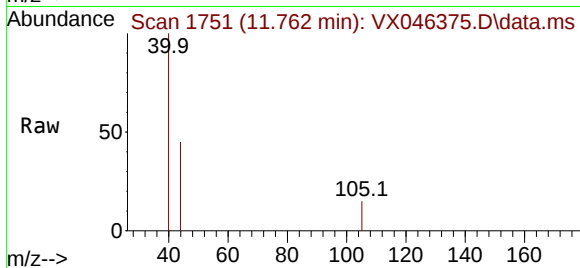




#84
1,2,4-Trimethylbenzene
Concen: 0.007 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

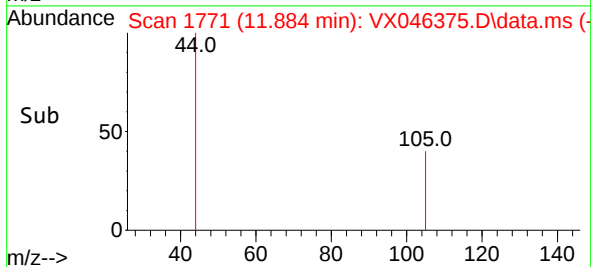
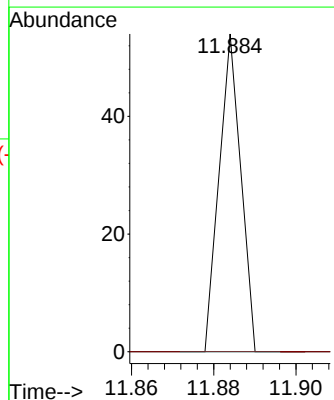
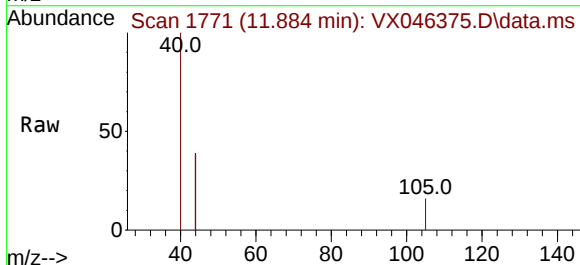
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

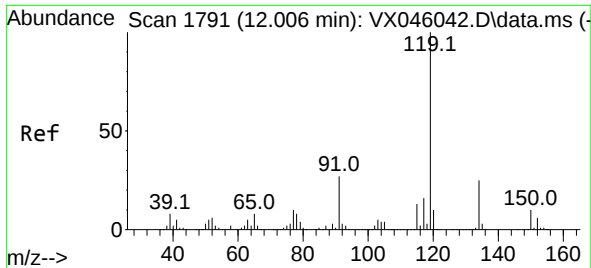
Tgt Ion:105 Resp: 24
Ion Ratio Lower Upper
105 100
120 0.0 21.2 63.6#



#85
sec-Butylbenzene
Concen: 0.005 ug/l
RT: 11.884 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion:105 Resp: 20
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

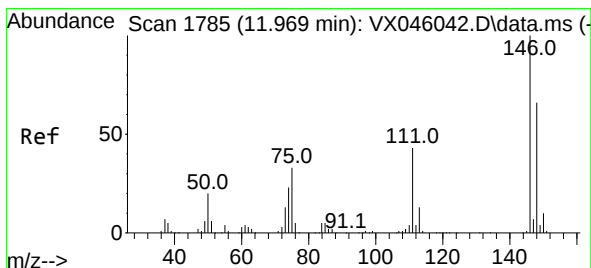
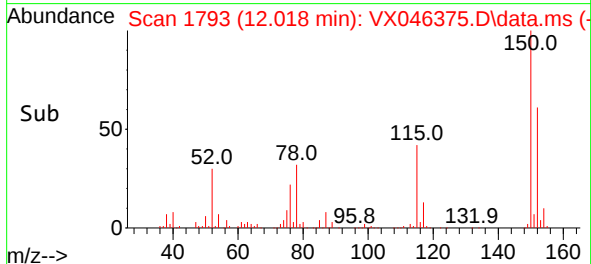
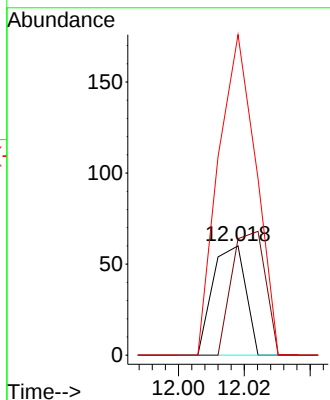
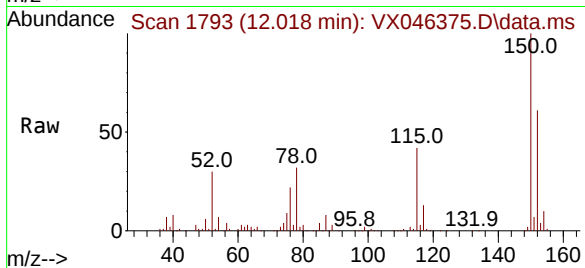




#86
 p-Isopropyltoluene
 Concen: 0.012 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.012 min
 Lab File: VX046375.D
 Acq: 28 May 2025 10:59

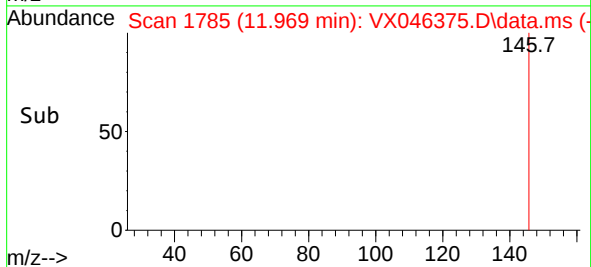
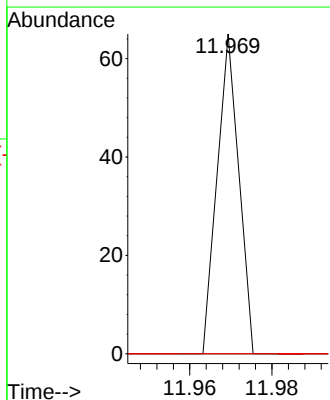
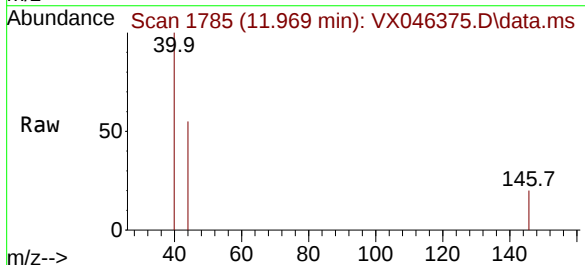
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

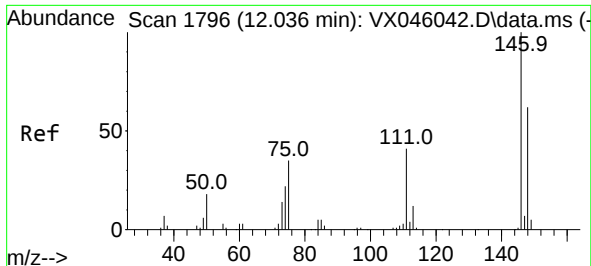
Tgt Ion:	119	Resp:	42
Ion	Ratio	Lower	Upper
119	100		
134	114.3	12.5	37.5#
91	333.3	13.8	41.4#



#87
 1,3-Dichlorobenzene
 Concen: 0.014 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX046375.D
 Acq: 28 May 2025 10:59

Tgt Ion:	146	Resp:	24
Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.1	66.3#
148	0.0	32.1	96.5#

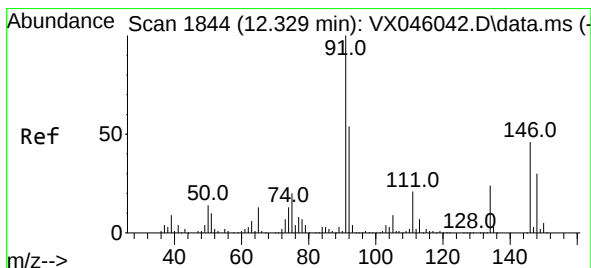
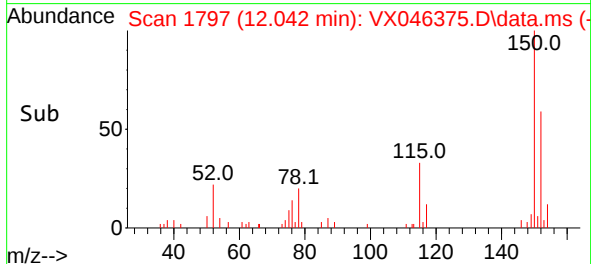
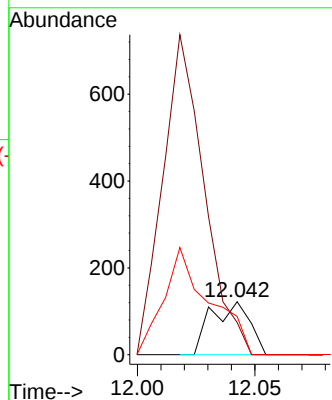
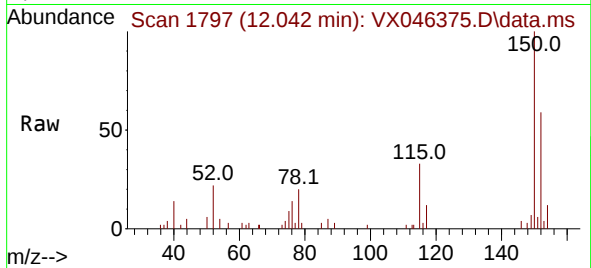




#88
1,4-Dichlorobenzene
Concen: 0.078 ug/l
RT: 12.042 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

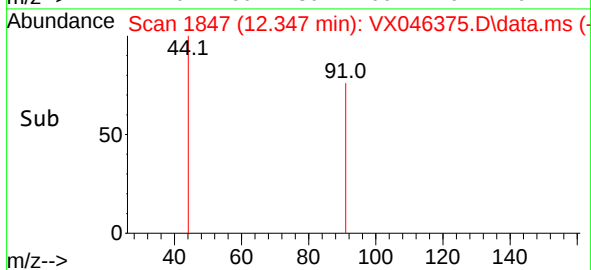
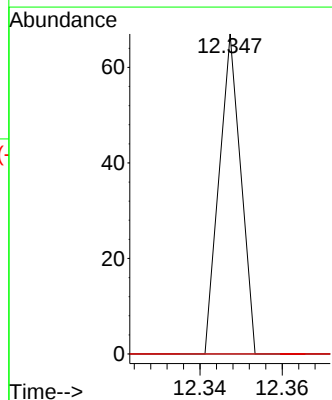
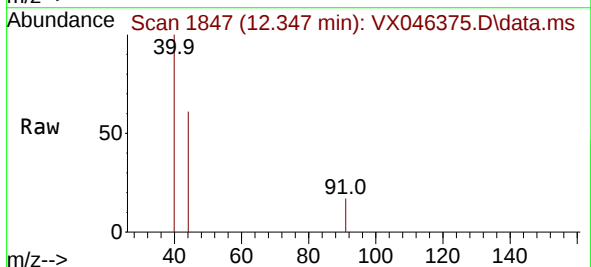
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

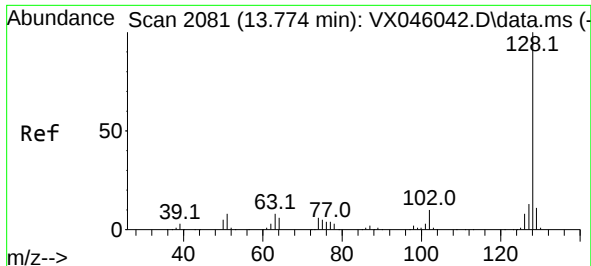
Tgt Ion:146 Resp: 139
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.9#
148 0.0 31.9 95.5#



#89
n-Butylbenzene
Concen: 0.008 ug/l
RT: 12.347 min Scan# 1847
Delta R.T. 0.018 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 11.8 35.3#

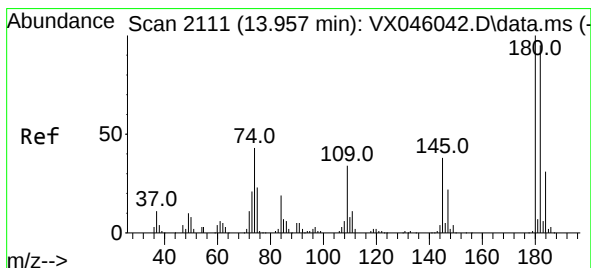
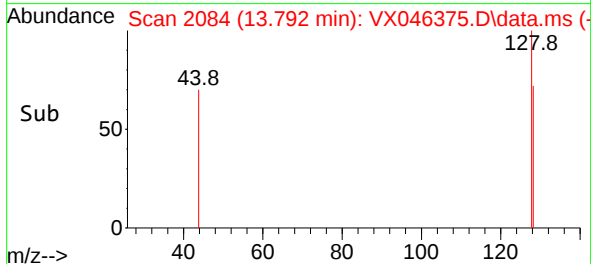
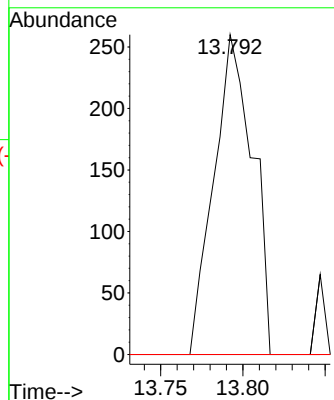
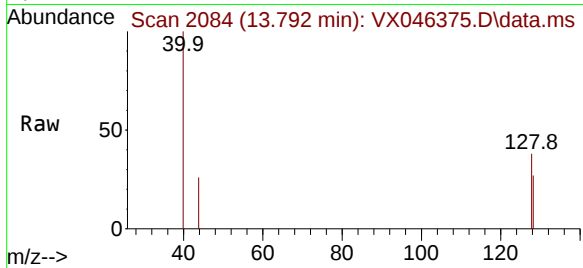




#95
Naphthalene
Concen: 0.116 ug/l
RT: 13.792 min Scan# 2081
Delta R.T. 0.018 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

Tgt Ion:128 Resp: 427
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.057 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX046375.D
Acq: 28 May 2025 10:59

Tgt Ion:180 Resp: 59
Ion Ratio Lower Upper
180 100
182 33.9 47.8 143.3#
145 0.0 18.1 54.3#

