

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047516.D
 Acq On : 25 Aug 2025 12:51
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 00:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

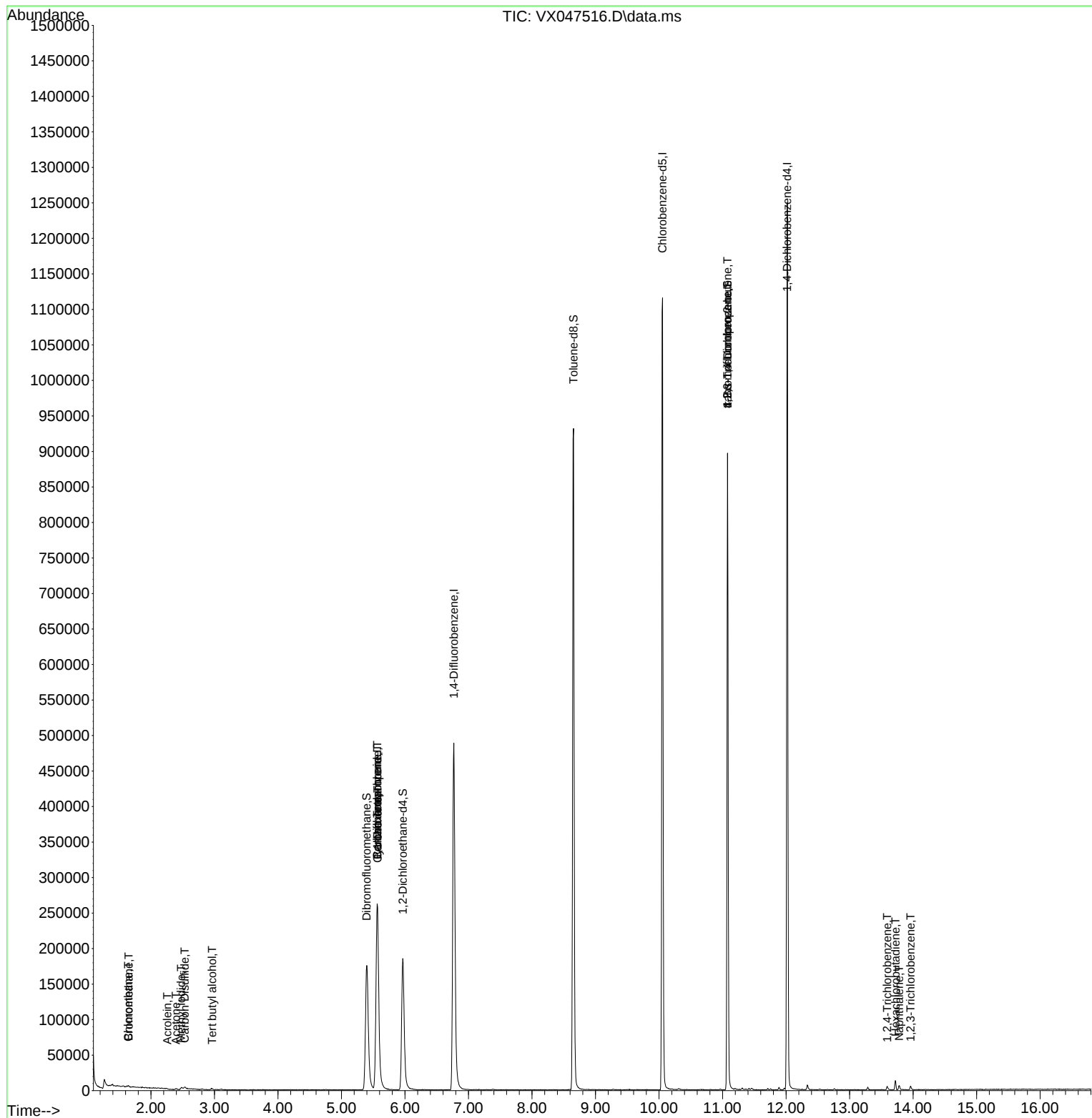
Internal Standards						
1) Pentafluorobenzene	5.562	168	261997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	525874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	248178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	194942	53.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.340%			
35) Dibromofluoromethane	5.397	113	168769	49.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.900%			
50) Toluene-d8	8.653	98	571440	46.844	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.680%			
62) 4-Bromofluorobenzene	11.079	95	240297	53.380	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.760%			
Target Compounds						Qvalue
5) Bromomethane	1.648	94	1055	0.693	ug/l #	75
6) Chloroethane	1.642	64	513	0.222	ug/l #	44
10) Methyl Iodide	2.477	142	5473	0.987	ug/l #	91
11) Tert butyl alcohol	2.965	59	166	0.520	ug/l #	72
13) Acrolein	2.258	56	268	0.398	ug/l	86
16) Acetone	2.392	43	2023	1.468	ug/l #	72
17) Carbon Disulfide	2.532	76	3205	0.322	ug/l	97
31) Cyclohexane	5.568	56	5865	0.994	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22399	4.157	ug/l #	50
38) Carbon Tetrachloride	5.562	117	27918	4.742	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	123542	27.141	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	123542	107.284	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	1525	0.265	ug/l	95
94) Hexachlorobutadiene	13.725	225	1902	0.927	ug/l	95
95) Naphthalene	13.780	128	5168	0.314	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	1891	0.348	ug/l	82

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

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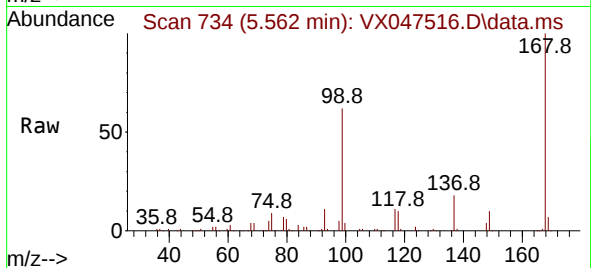
Quant Time: Aug 26 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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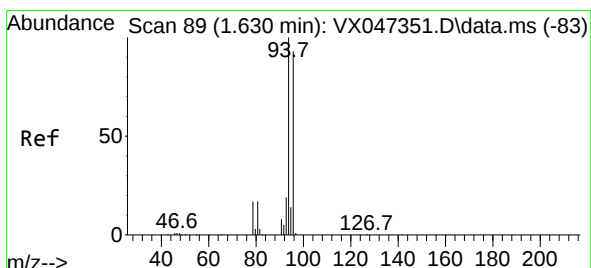
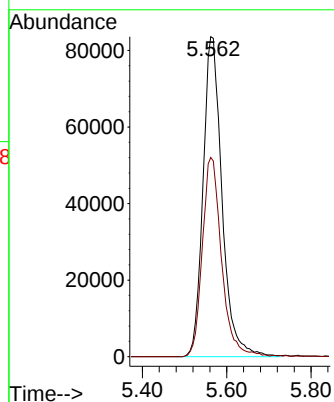
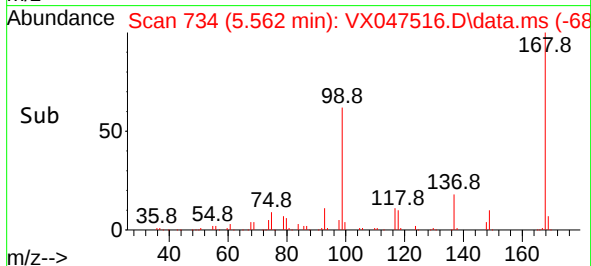


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :

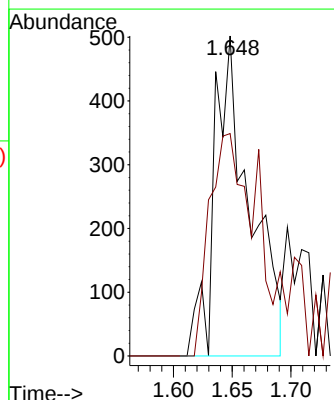
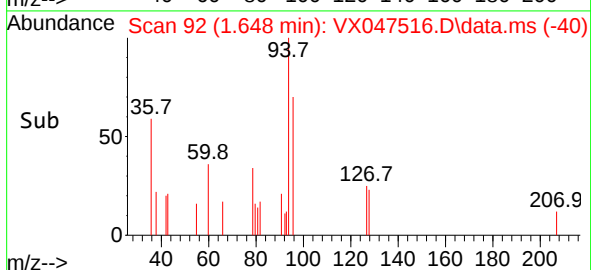
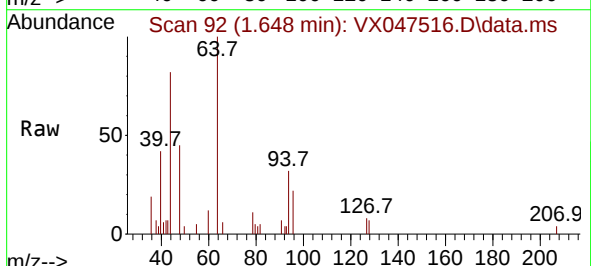


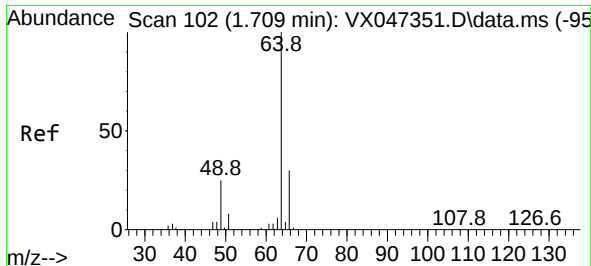
Tgt Ion:168 Resp: 261997
Ion Ratio Lower Upper
168 100
99 62.3 47.9 71.9



#5
Bromomethane
Concen: 0.693 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.018 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Tgt Ion: 94 Resp: 1055
Ion Ratio Lower Upper
94 100
96 69.5 74.7 112.1#

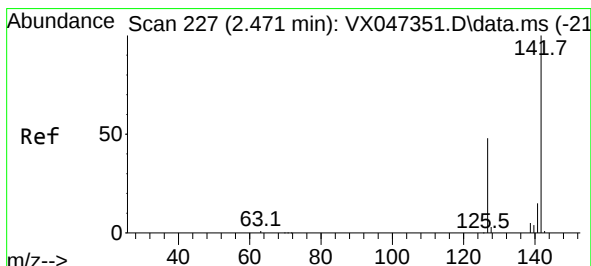
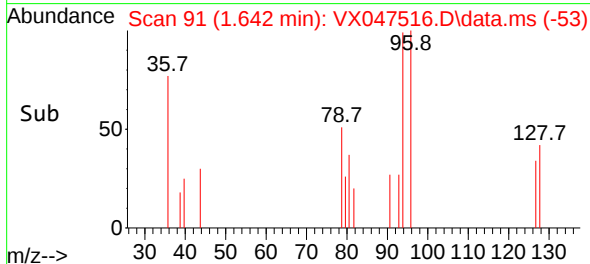
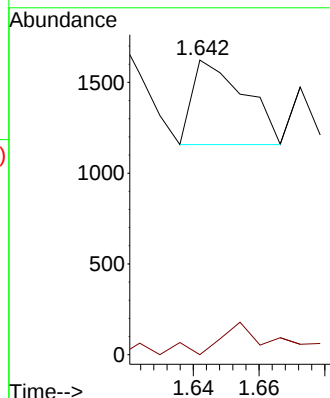
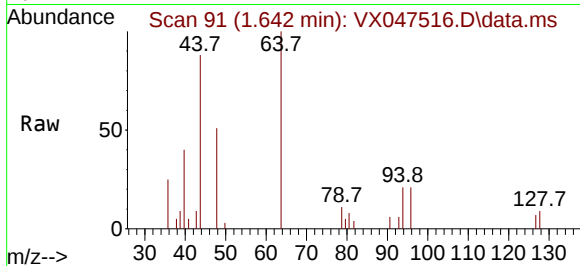




#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.067 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

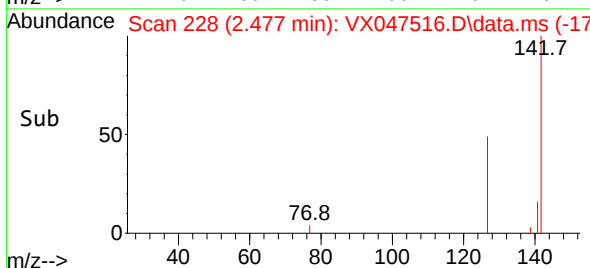
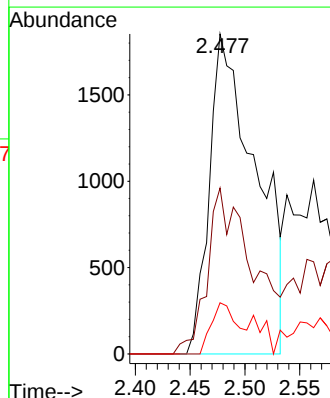
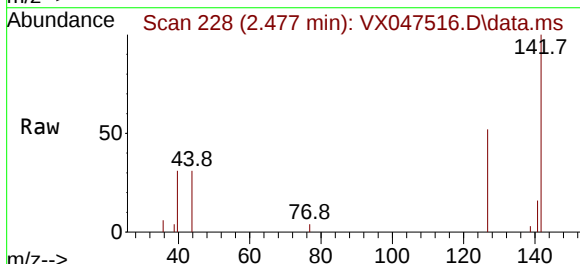
Instrument :
MSVOA_X
ClientSampleId :

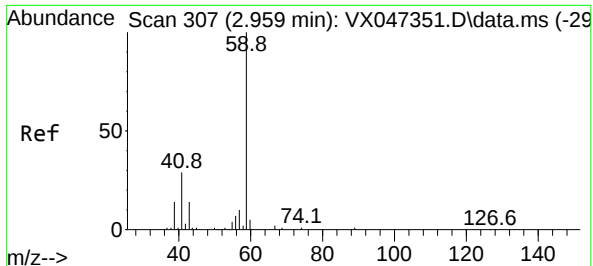
Tgt Ion: 64 Resp: 513
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.987 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

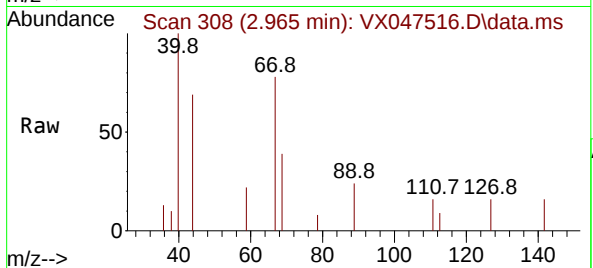
Tgt Ion:142 Resp: 5473
Ion Ratio Lower Upper
142 100
127 50.7 36.1 54.1
141 9.1 11.1 16.7#



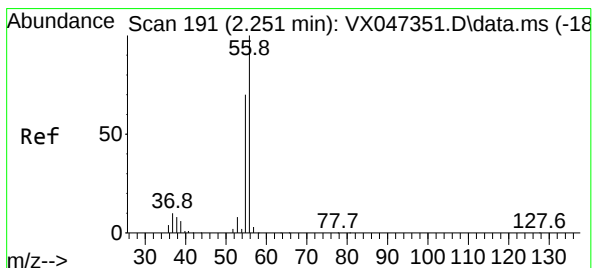
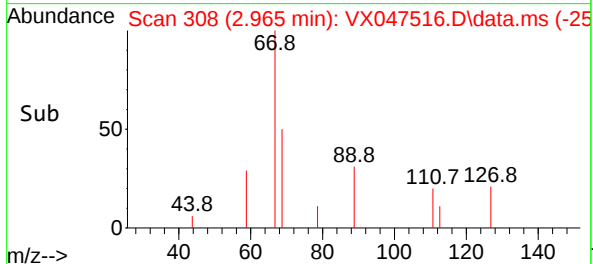
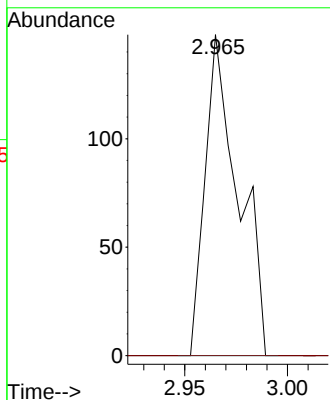


#11
Tert butyl alcohol
Concen: 0.520 ug/l
RT: 2.965 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :

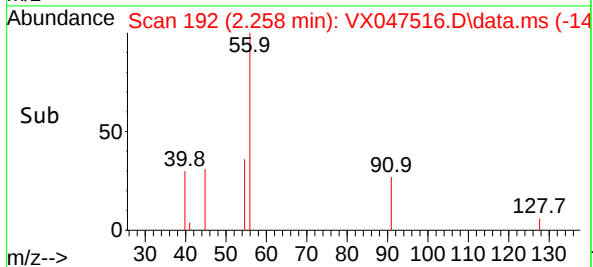
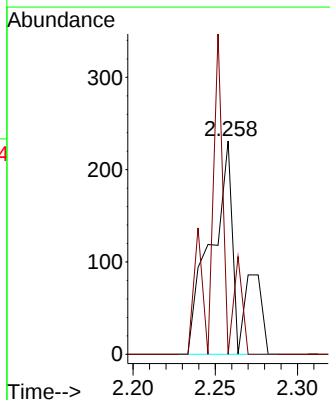
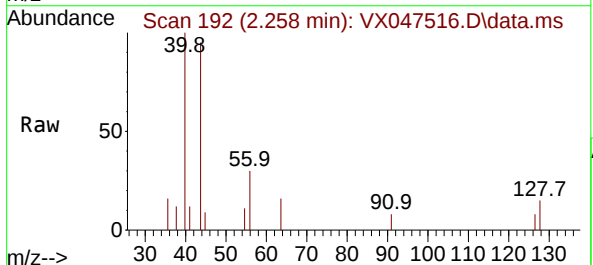


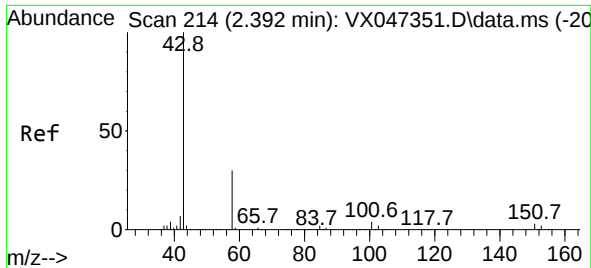
Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.398 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 80.6 55.5 83.3

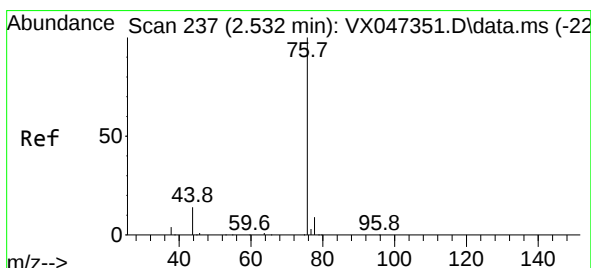
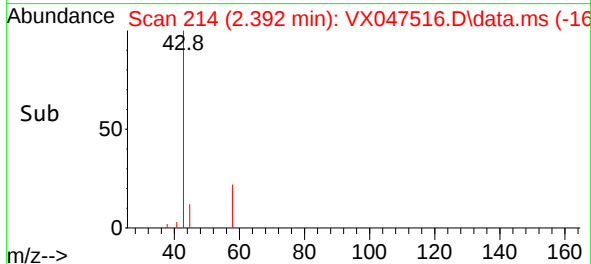
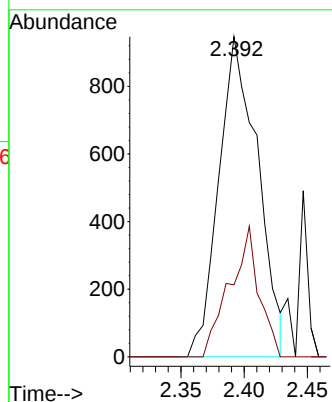
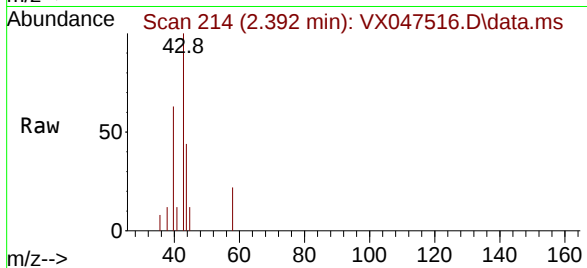




#16
Acetone
Concen: 1.468 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

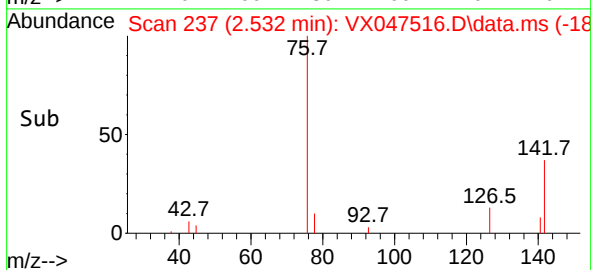
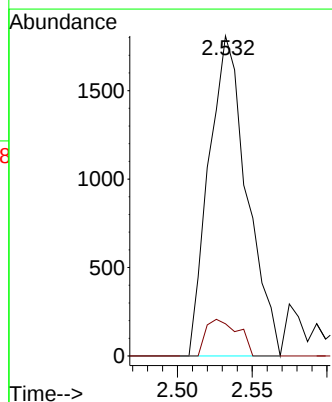
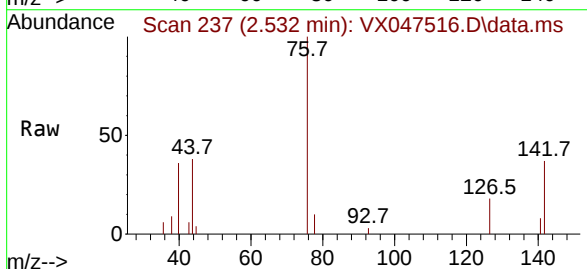
Instrument :
MSVOA_X
ClientSampleId :

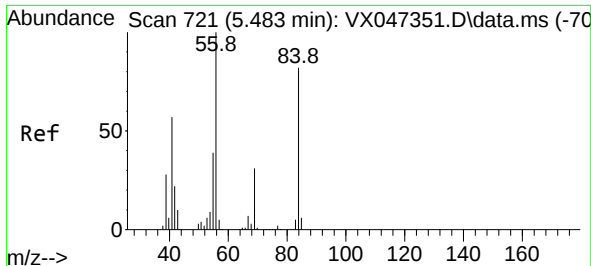
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
58 15.6 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

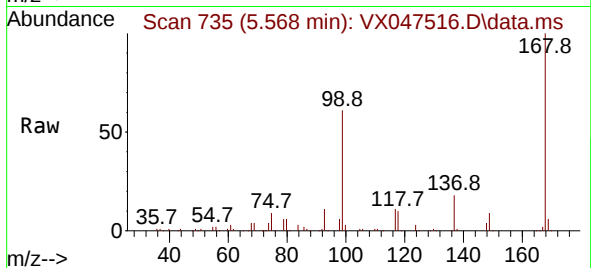
Tgt Ion: 76 Resp: 3205
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8



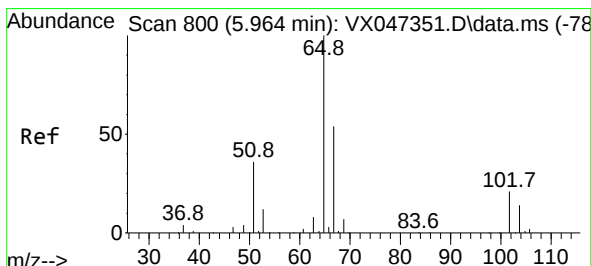
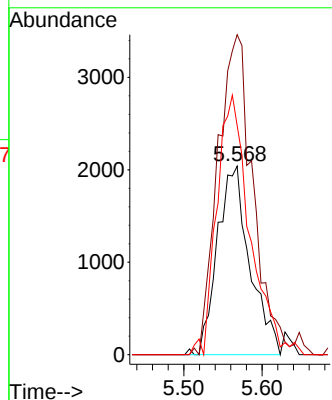
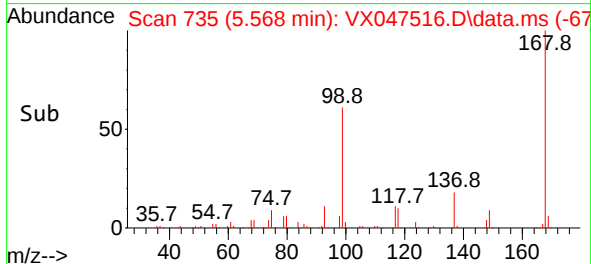


#31
Cyclohexane
Concen: 0.994 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :

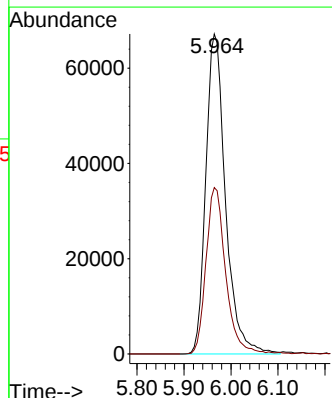
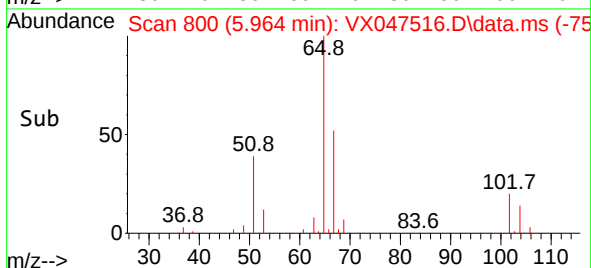
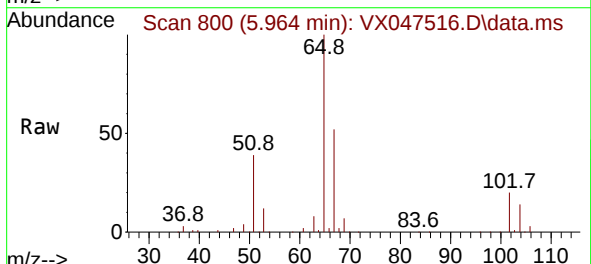


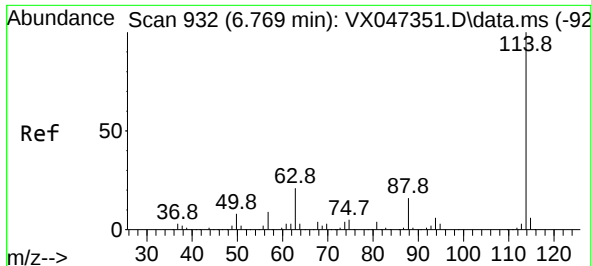
Tgt Ion: 56 Resp: 5865
Ion Ratio Lower Upper
56 100
69 169.8 24.3 36.5#
84 121.6 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 53.165 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

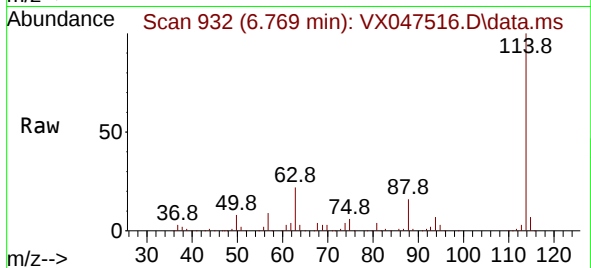
Tgt Ion: 65 Resp: 194942
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0



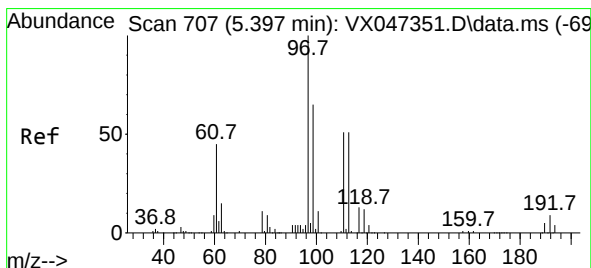
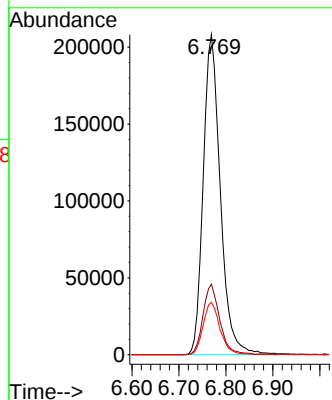
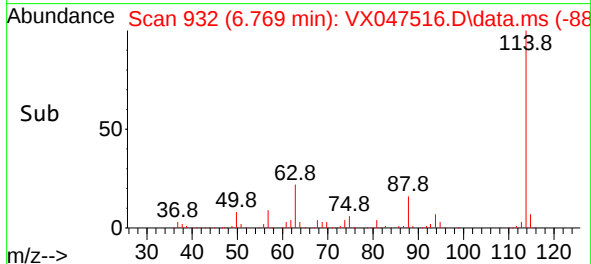


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :

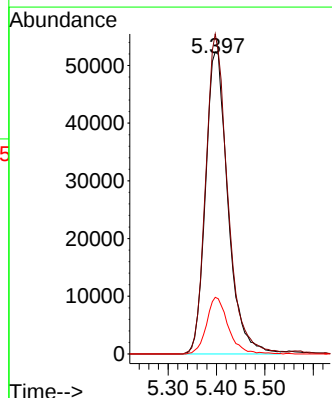
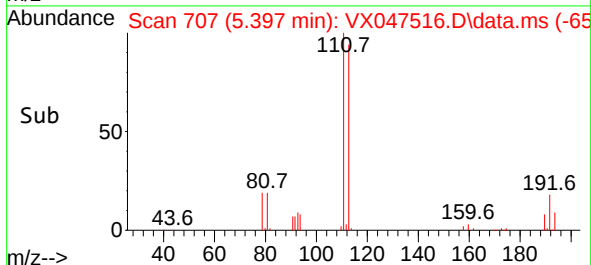
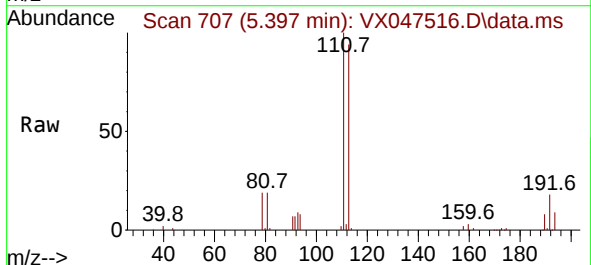


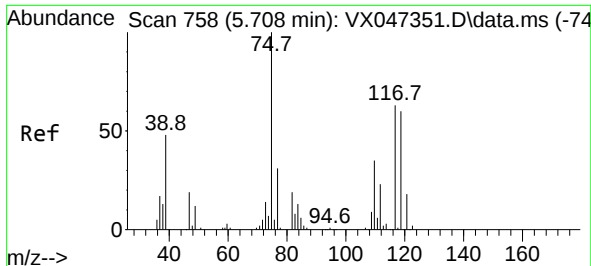
Tgt Ion:114 Resp: 525874
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.4
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.449 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Tgt Ion:113 Resp: 168769
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 18.1 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

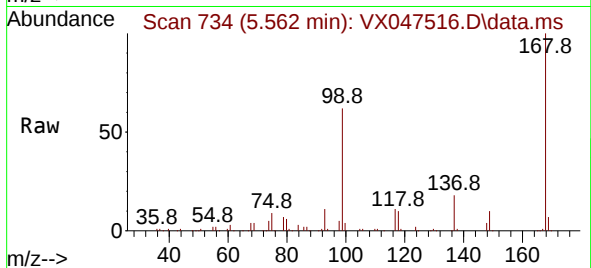
Lab File: VX047516.D

Acq: 25 Aug 2025 12:51

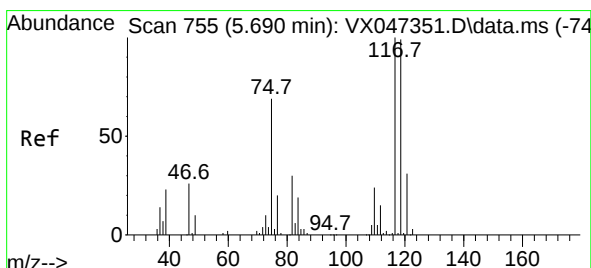
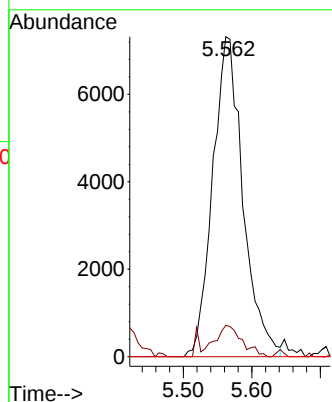
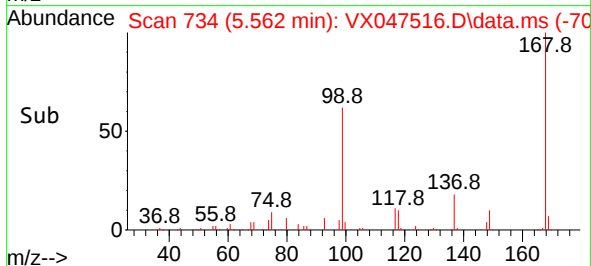
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	75	Resp:	22399
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.4	52.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.742 ug/l

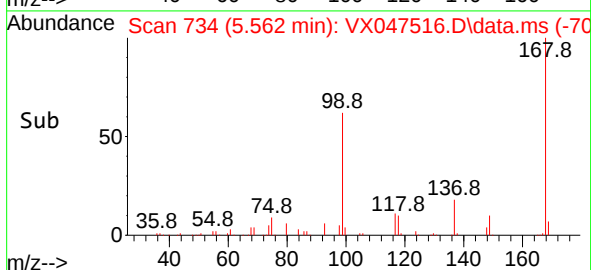
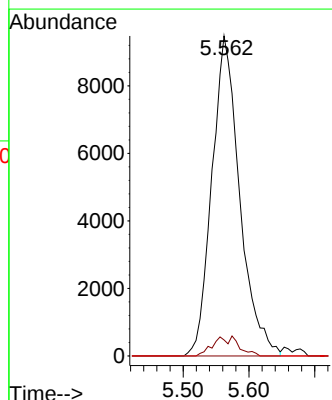
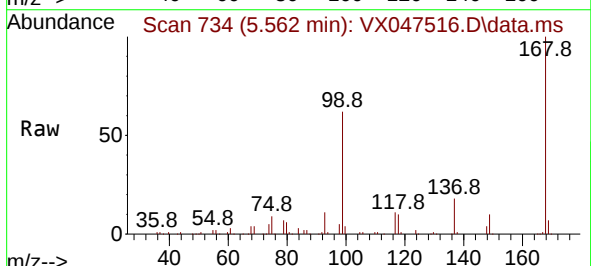
RT: 5.562 min Scan# 734

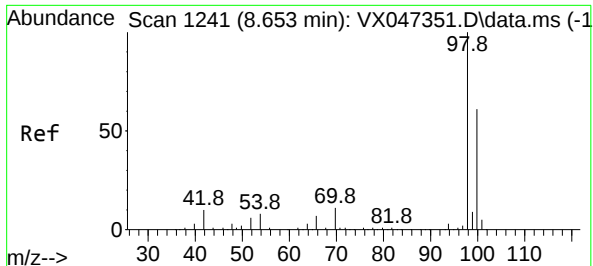
Delta R.T. -0.128 min

Lab File: VX047516.D

Acq: 25 Aug 2025 12:51

Tgt Ion:	117	Resp:	27918
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.5	117.7#
121	0.0	24.7	37.1#

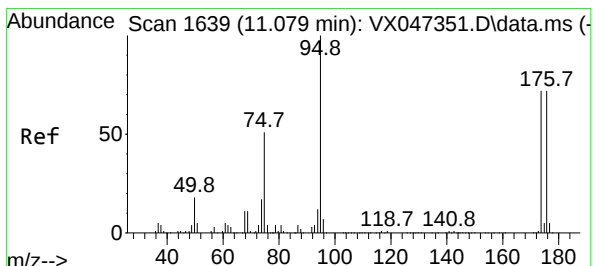
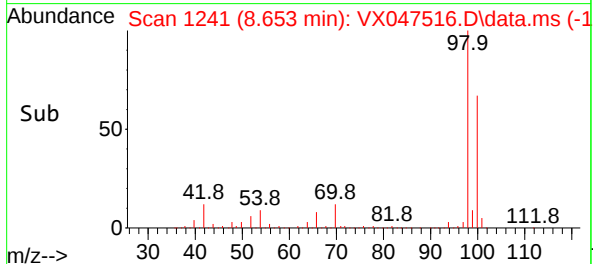
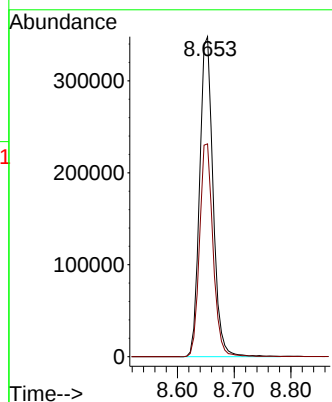
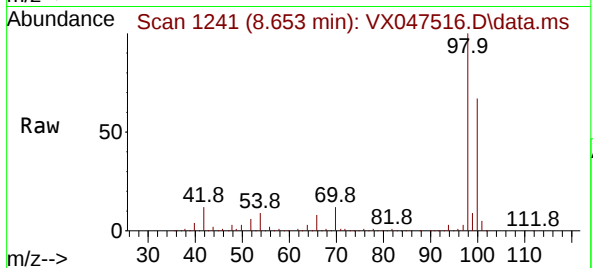




#50
Toluene-d8
Concen: 46.844 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

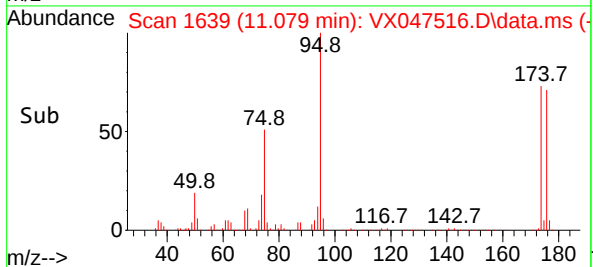
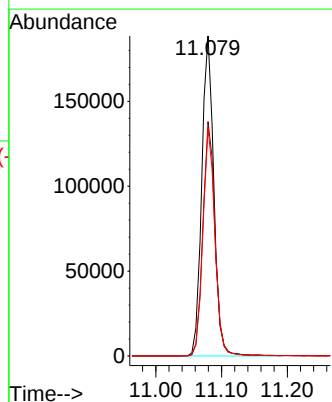
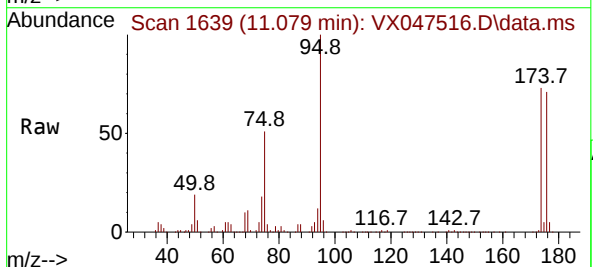
Instrument :
MSVOA_X
ClientSampleId :

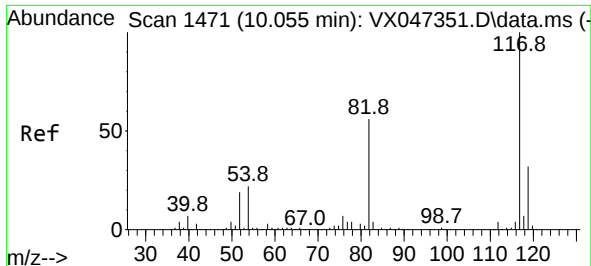
Tgt Ion: 98 Resp: 571440
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 53.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

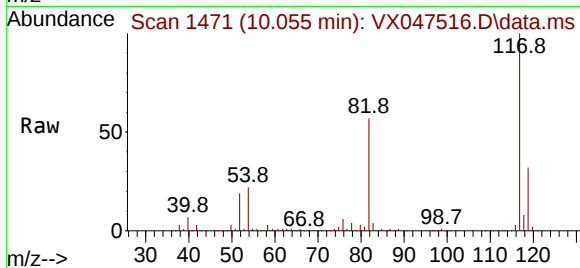
Tgt Ion: 95 Resp: 240297
Ion Ratio Lower Upper
95 100
174 73.8 0.0 148.0
176 70.8 0.0 145.4



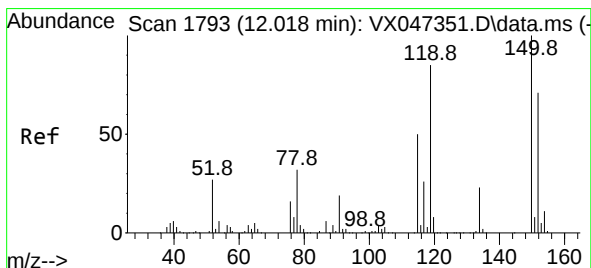
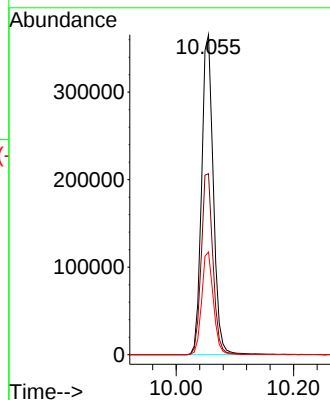
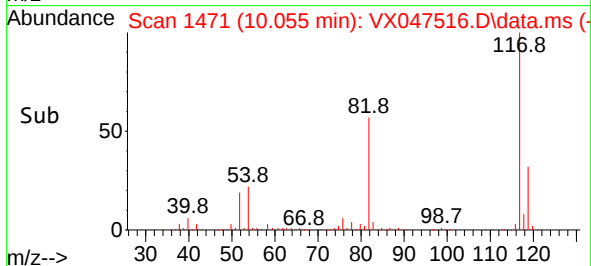


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

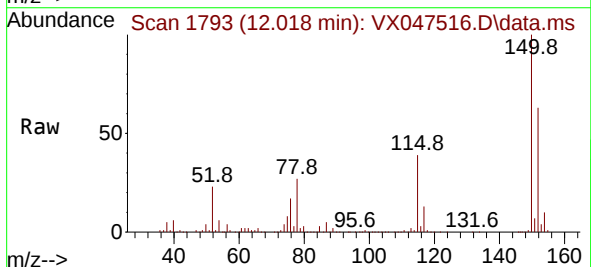
Instrument :
MSVOA_X
ClientSampleId :



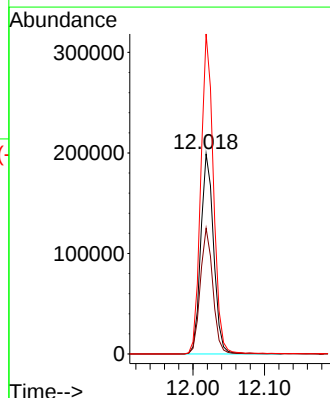
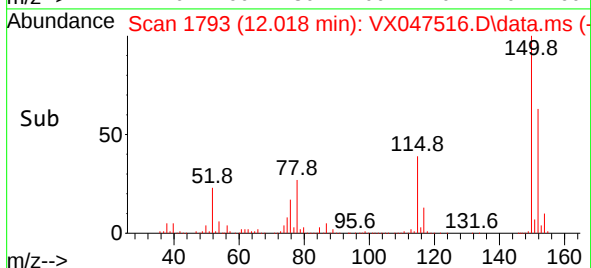
Tgt Ion:117 Resp: 506529
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.1 25.8 38.8

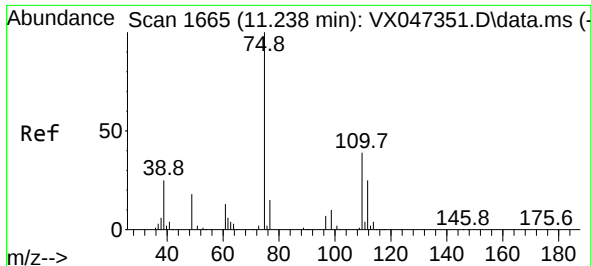


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51



Tgt Ion:152 Resp: 248178
Ion Ratio Lower Upper
152 100
115 61.4 44.6 133.8
150 158.1 0.0 349.8

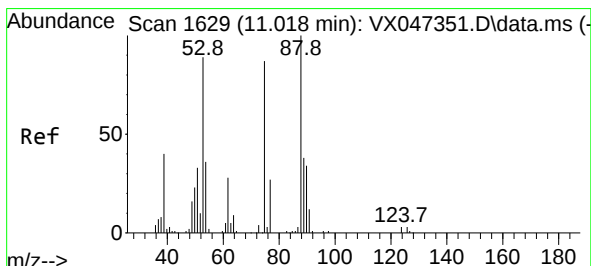
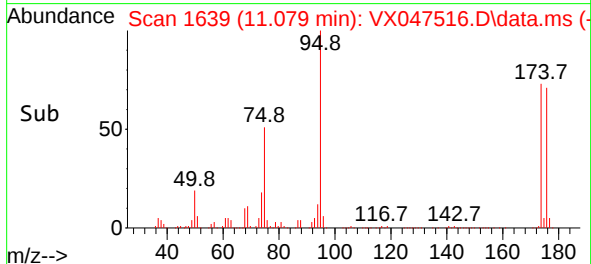
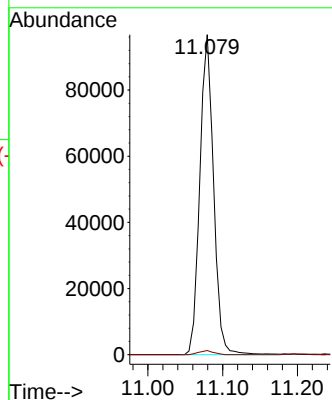
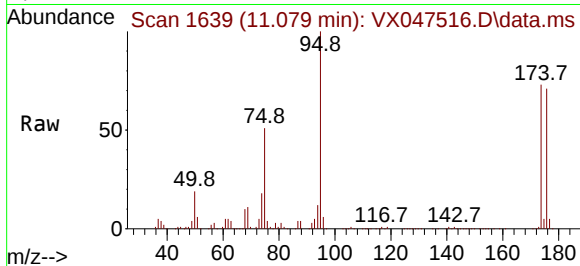




#76
1,2,3-Trichloropropane
Concen: 27.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

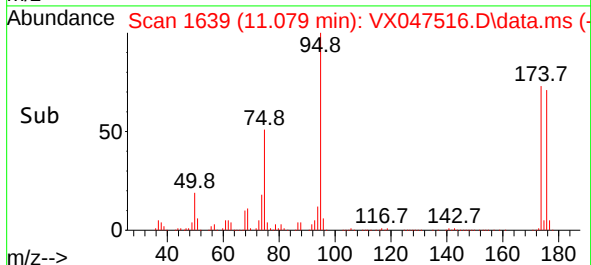
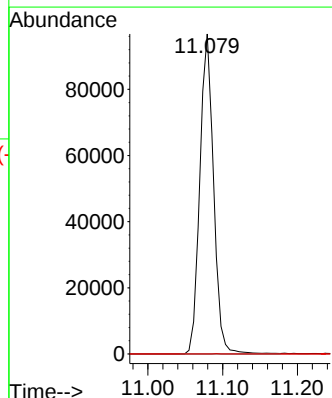
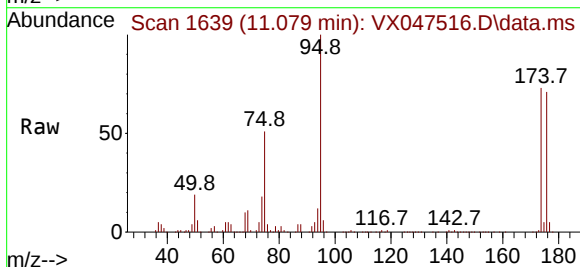
Instrument :
MSVOA_X
ClientSampleId :

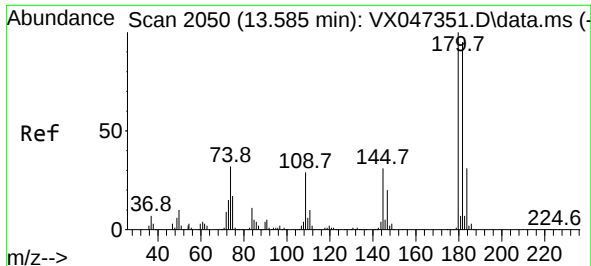
Tgt Ion: 75 Resp: 123542
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Tgt Ion: 75 Resp: 123542
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.265 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047516.D

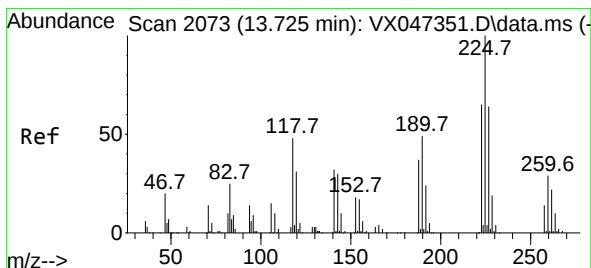
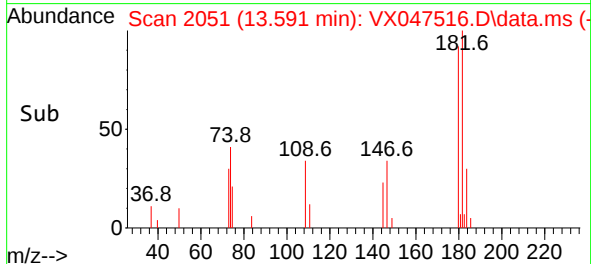
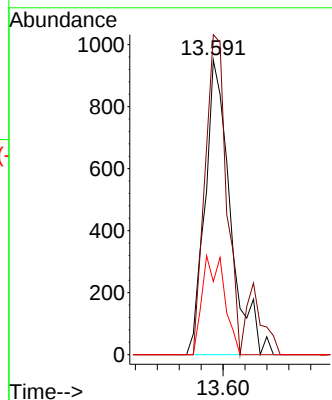
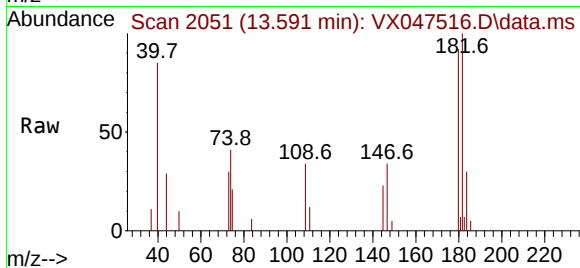
Acq: 25 Aug 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1525
Ion Ratio	Lower	Upper
180	100	
182	91.5	48.1 144.4
145	29.3	16.2 48.5



#94

Hexachlorobutadiene

Concen: 0.927 ug/l

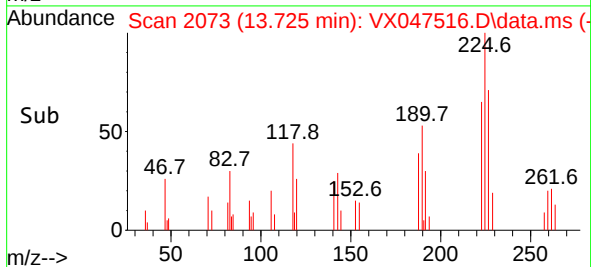
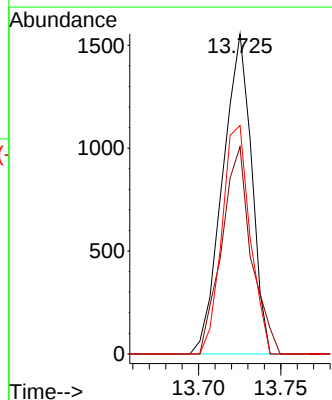
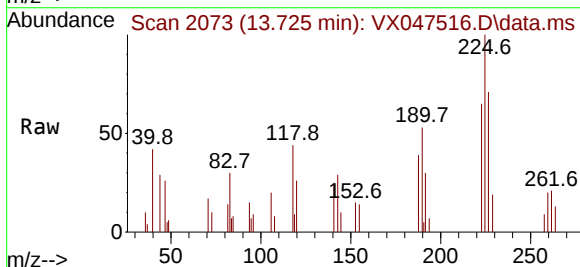
RT: 13.725 min Scan# 2073

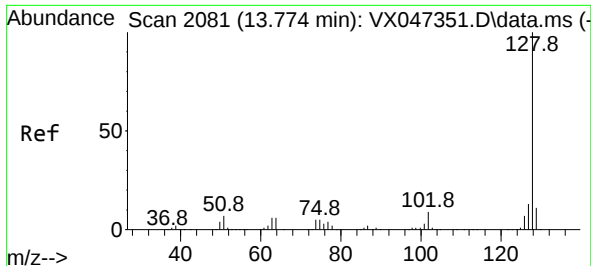
Delta R.T. 0.000 min

Lab File: VX047516.D

Acq: 25 Aug 2025 12:51

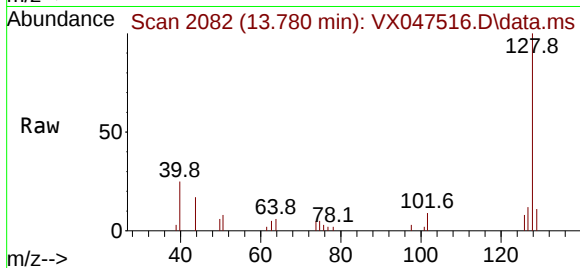
Tgt Ion:225	Resp:	1902
Ion Ratio	Lower	Upper
225	100	
223	66.2	32.2 96.6
227	69.4	31.6 95.0



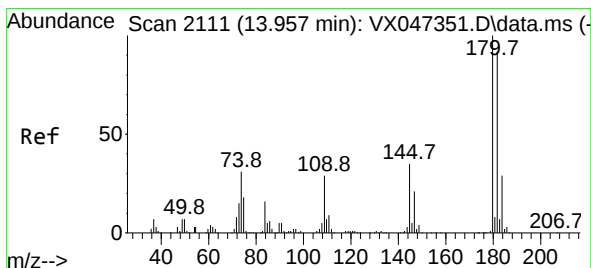
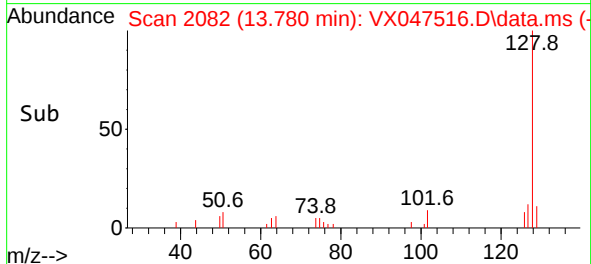
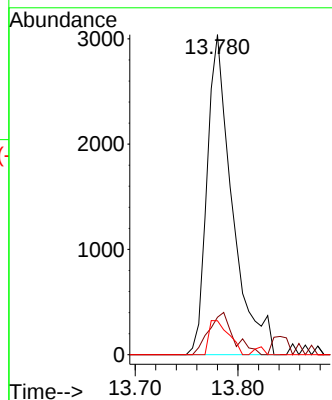


#95
Naphthalene
Concen: 0.314 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 5168
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 8.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.348 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047516.D
Acq: 25 Aug 2025 12:51

Tgt Ion:180 Resp: 1891
Ion Ratio Lower Upper
180 100
182 76.3 48.0 144.2
145 27.2 17.4 52.2

