

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047408.D
 Acq On : 19 Aug 2025 13:41
 Operator : JC/MD
 Sample : Q2815-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Aug 20 01:26:10 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	5.568	168	205616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	407837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	203950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	158172	54.965	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.940%	
35) Dibromofluoromethane	5.403	113	134553	50.834	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.660%	
50) Toluene-d8	8.653	98	470973	49.782	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	11.079	95	195434	55.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.960%	
Target Compounds						Qvalue
5) Bromomethane	1.642	94	354	0.296	ug/l #	59
6) Chloroethane	1.666	64	1168	0.645	ug/l #	44
10) Methyl Iodide	2.483	142	2870	0.660	ug/l #	88
11) Tert butyl alcohol	2.971	59	2334	9.323	ug/l #	72
16) Acetone	2.398	43	4061	3.754	ug/l	94
17) Carbon Disulfide	2.532	76	3320	0.425	ug/l #	93
20) Methylene Chloride	2.812	84	821	0.287	ug/l #	76
31) Cyclohexane	5.562	56	4329	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	17127	4.099	ug/l #	49
38) Carbon Tetrachloride	5.568	117	22090	4.838	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	2565	0.715	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.183	63	24	8.367	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	101604	27.162	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	101604	107.361	ug/l #	7
94) Hexachlorobutadiene	13.719	225	443	0.263	ug/l	88

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

Quant Time: Aug 20 01:26:10 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

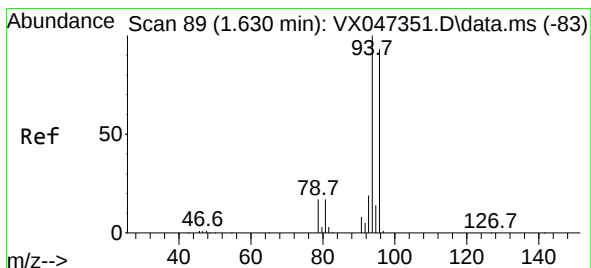
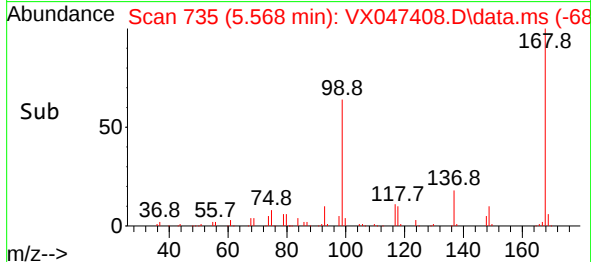
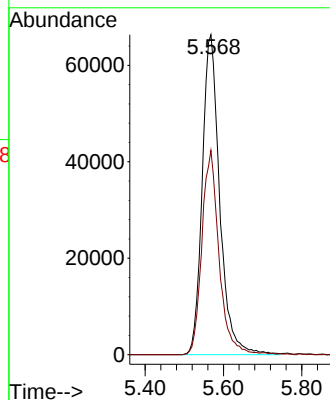
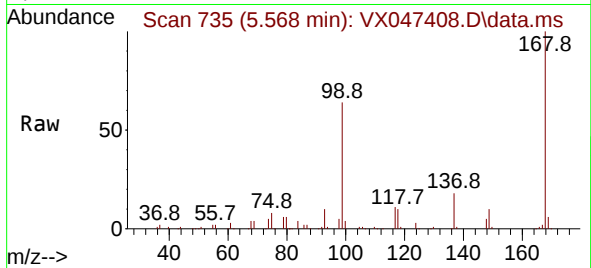




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

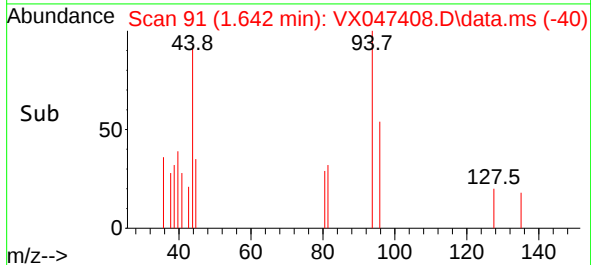
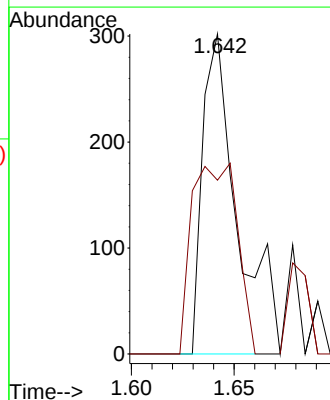
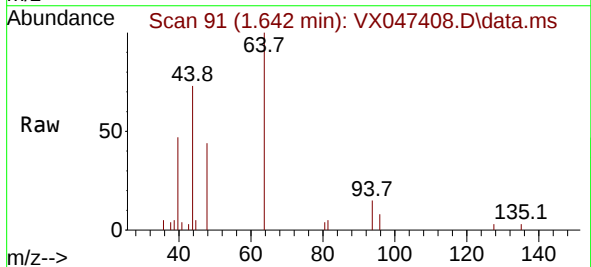
Instrument : MSVOA_X
Client SampleId : TB

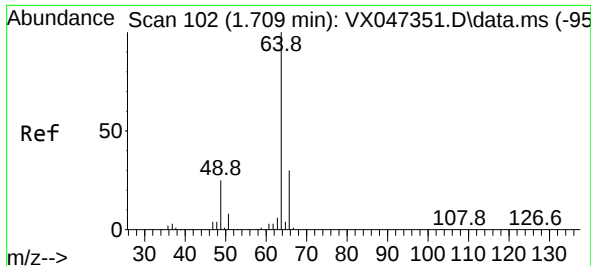
Tgt Ion: 168 Resp: 205616
Ion Ratio Lower Upper
168 100
99 63.9 47.9 71.9



#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 54.3 74.7 112.1#

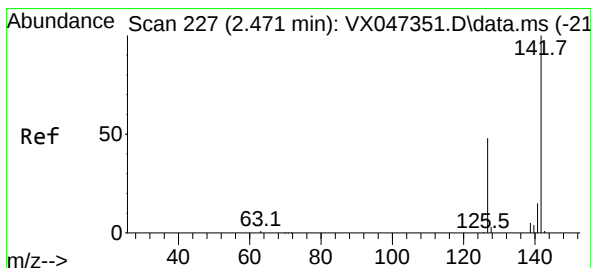
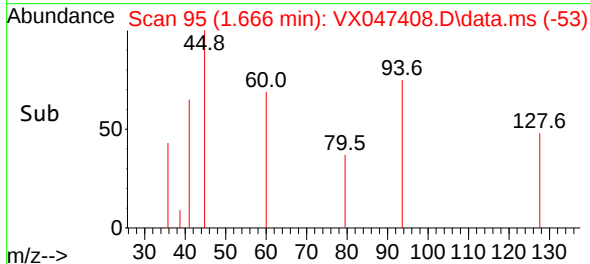
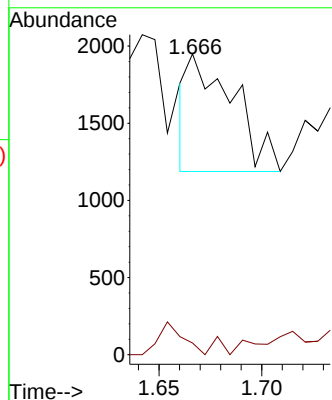
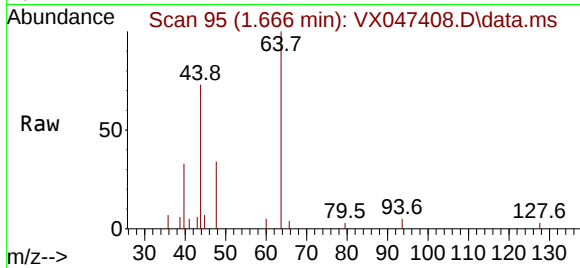




#6
Chloroethane
Concen: 0.645 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.043 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

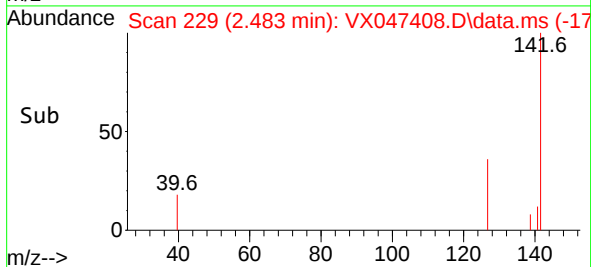
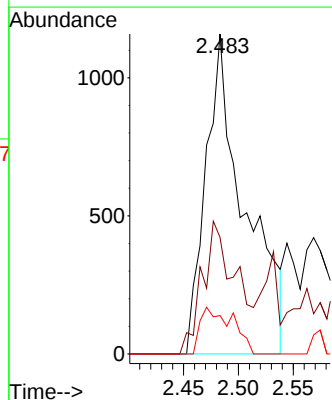
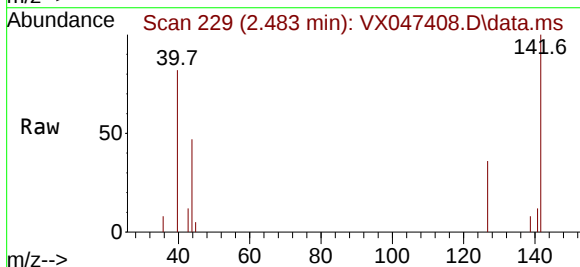
Instrument :
MSVOA_X
ClientSampleId :
TB

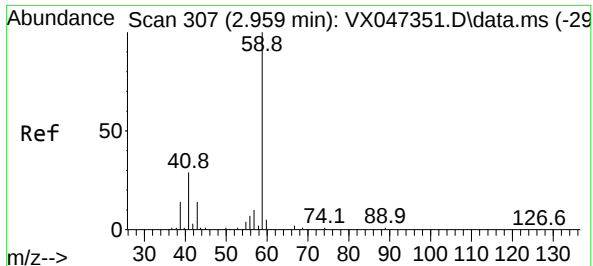
Tgt Ion: 64 Resp: 1168
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.660 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 142 Resp: 2870
Ion Ratio Lower Upper
142 100
127 35.9 36.1 54.1#
141 12.0 11.1 16.7

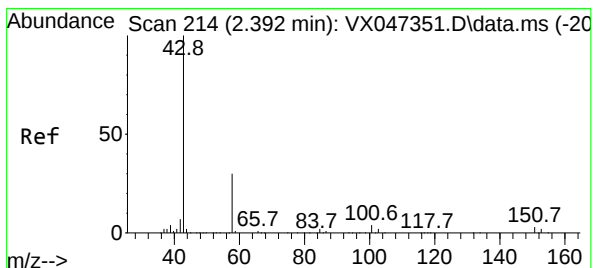
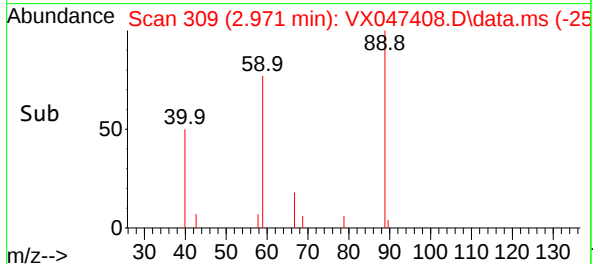
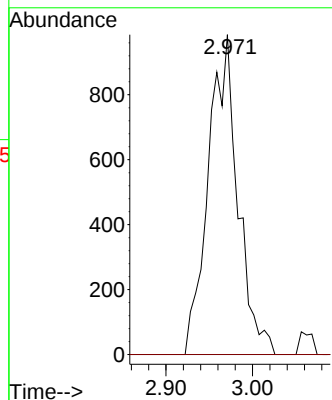
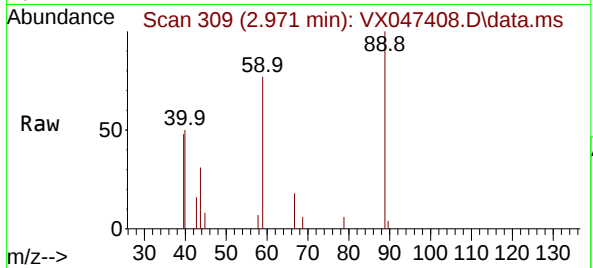




#11
Tert butyl alcohol
Concen: 9.323 ug/l
RT: 2.971 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

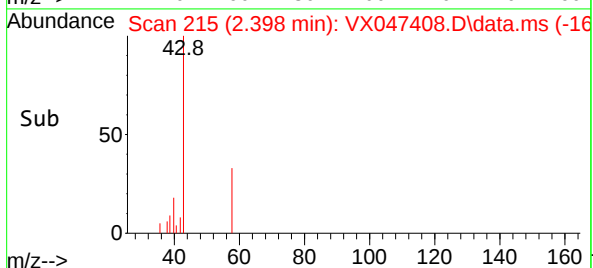
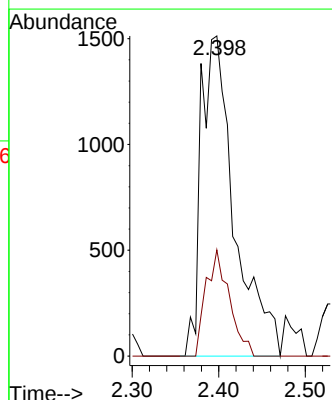
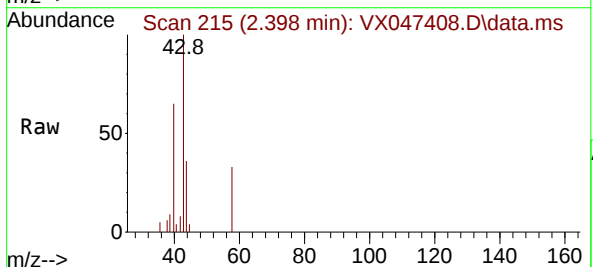
Instrument :
MSVOA_X
ClientSampleId :
TB

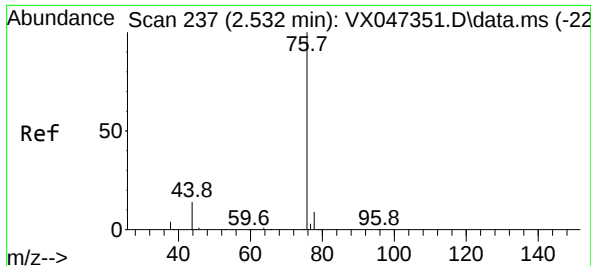
Tgt Ion: 59 Resp: 2334
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.754 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 43 Resp: 4061
Ion Ratio Lower Upper
43 100
58 34.0 24.8 37.2

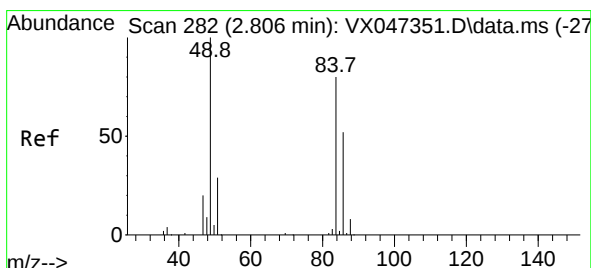
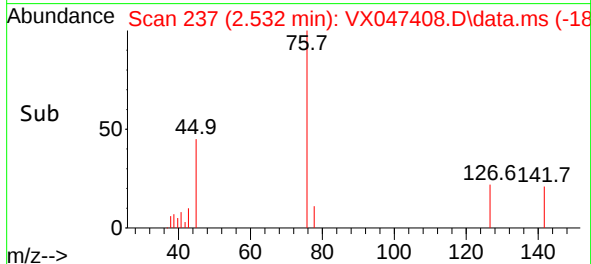
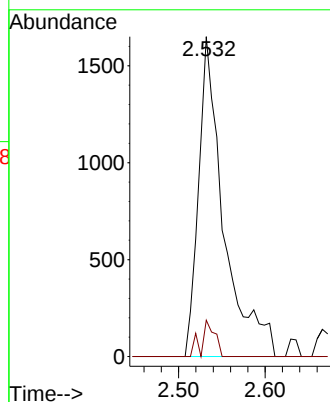
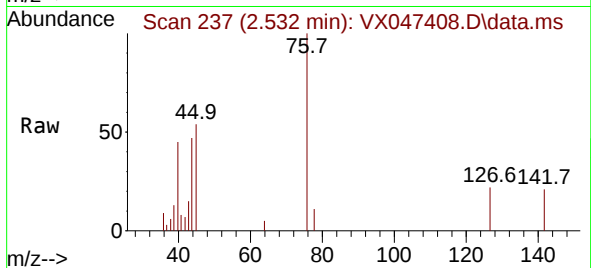




#17
Carbon Disulfide
Concen: 0.425 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

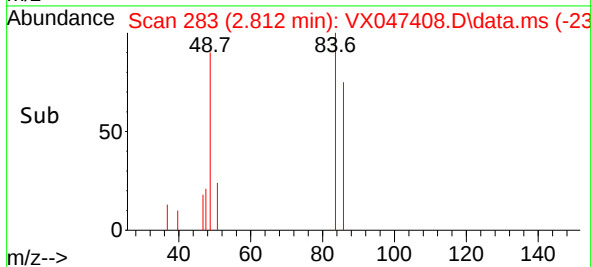
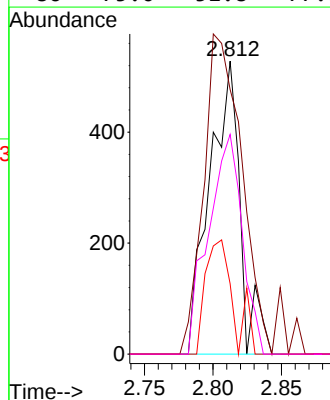
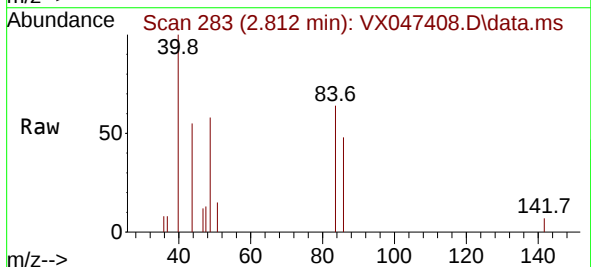
Instrument :
MSVOA_X
ClientSampleId :
TB

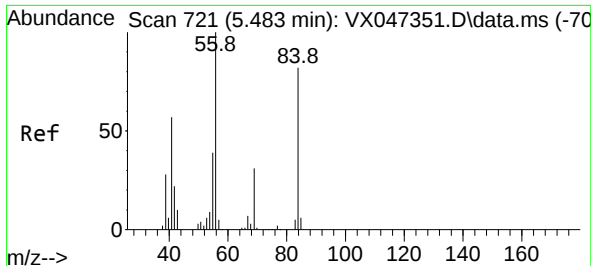
Tgt Ion: 76 Resp: 3320
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#



#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

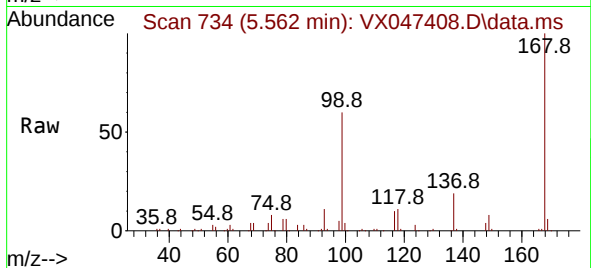
Tgt Ion: 84 Resp: 821
Ion Ratio Lower Upper
84 100
49 90.3 100.1 150.1#
51 24.1 29.5 44.3#
86 75.0 51.8 77.8



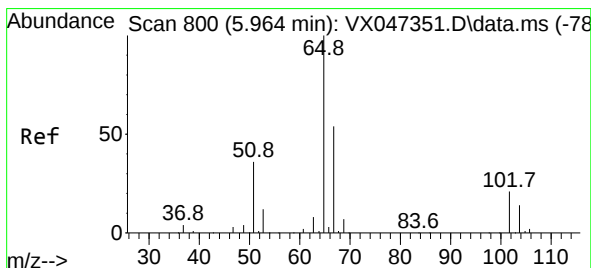
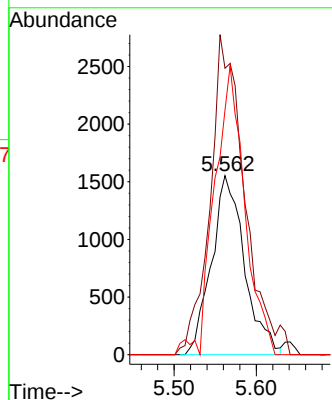
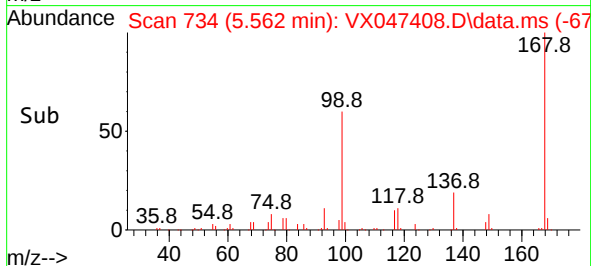


#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
TB

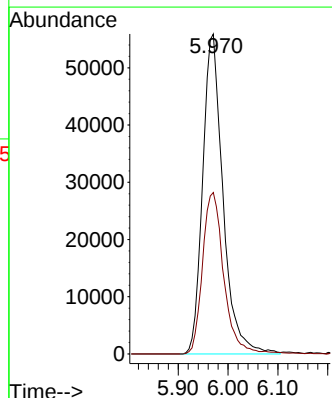
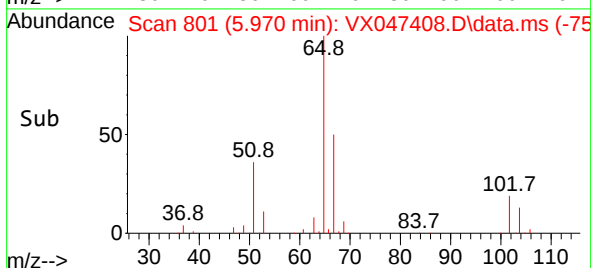
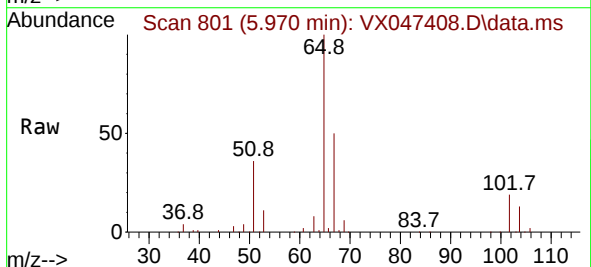


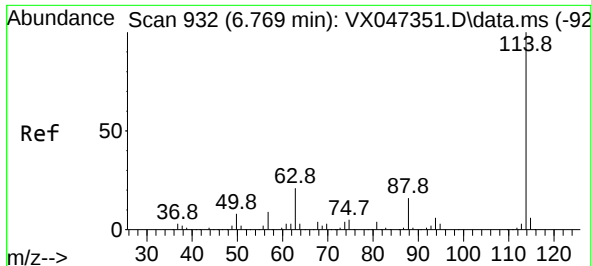
Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 156.3 24.3 36.5#
84 136.7 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 54.965 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 65 Resp: 158172
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.0

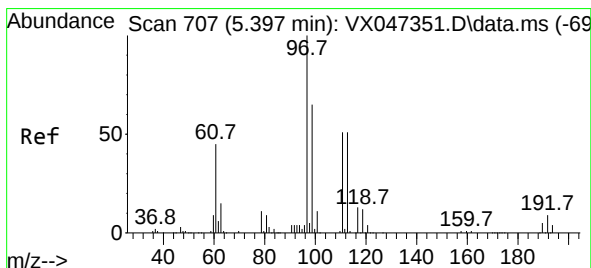
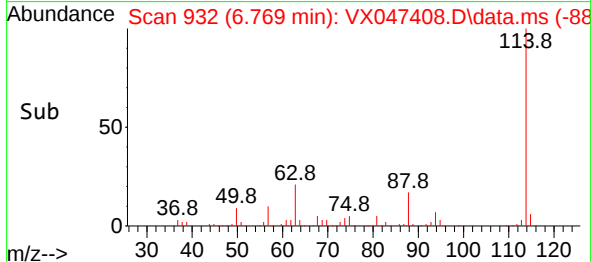
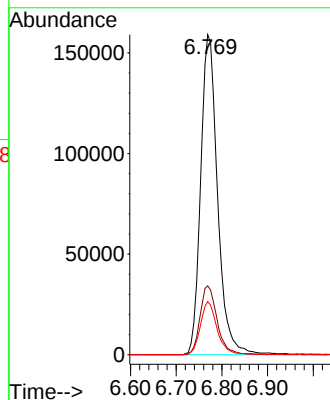
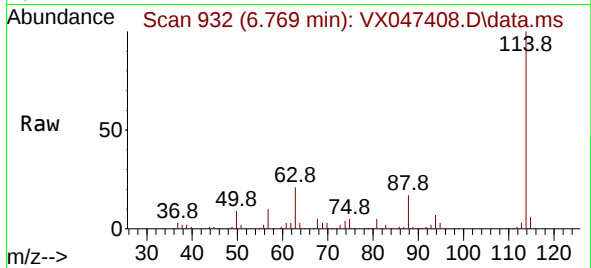




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

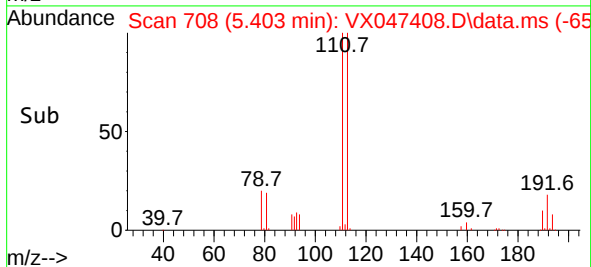
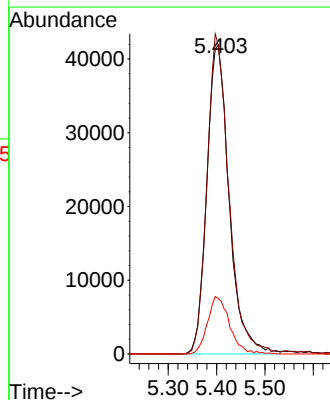
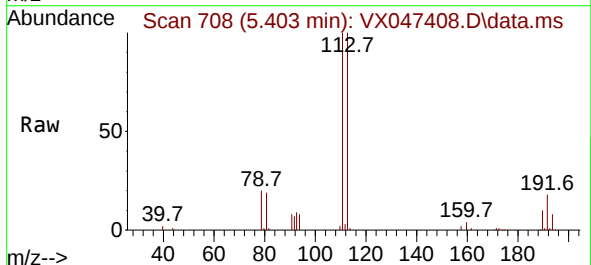
Instrument :
MSVOA_X
ClientSampleId :
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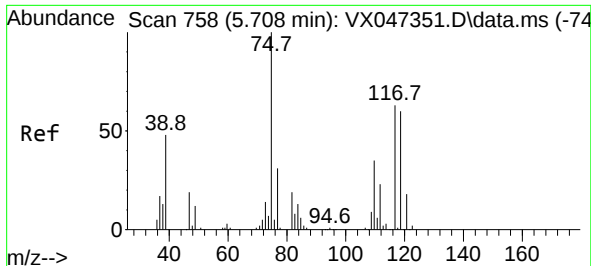
Tgt Ion:114 Resp: 407837
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 16.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.834 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion:113 Resp: 134553
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.099 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047408.D

Acq: 19 Aug 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

TB

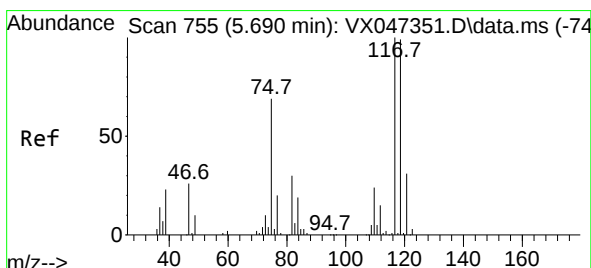
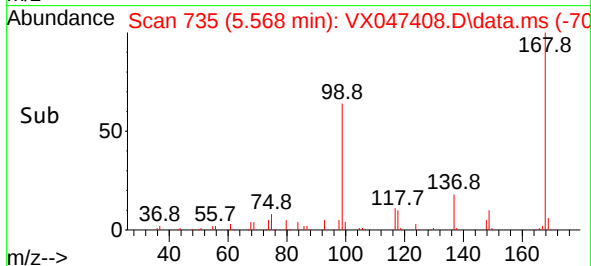
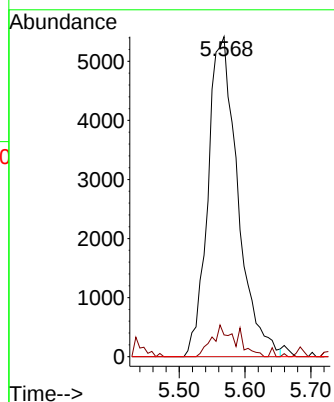
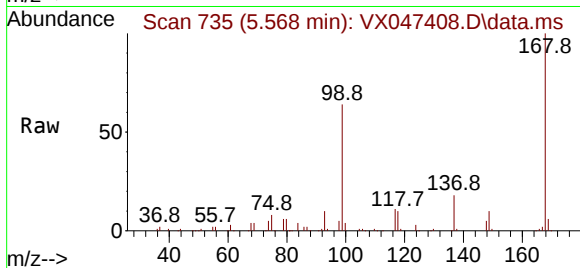
Tgt Ion: 75 Resp: 17127

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.838 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047408.D

Acq: 19 Aug 2025 13:41

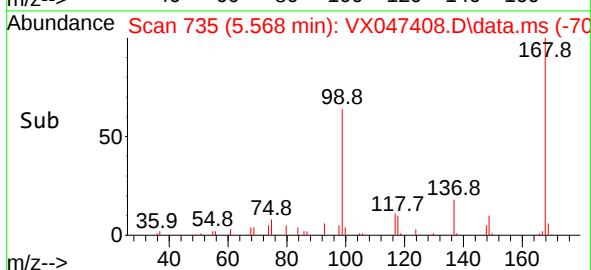
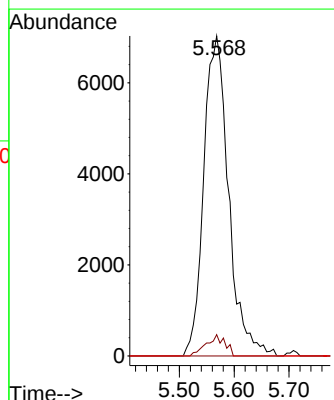
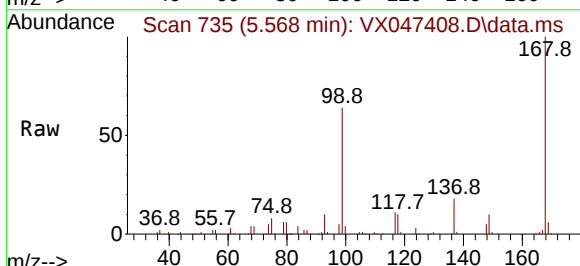
Tgt Ion: 117 Resp: 22090

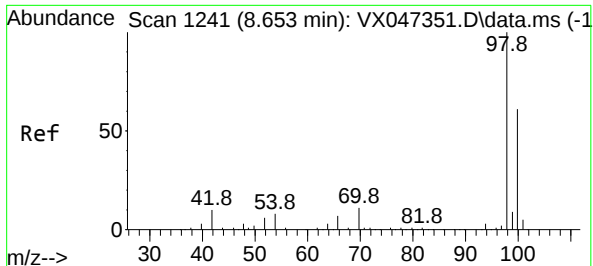
Ion Ratio Lower Upper

117 100

119 6.6 78.5 117.7#

121 0.0 24.7 37.1#

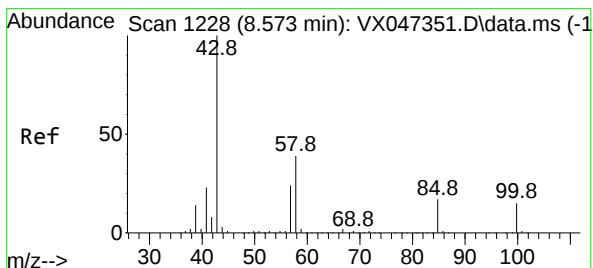
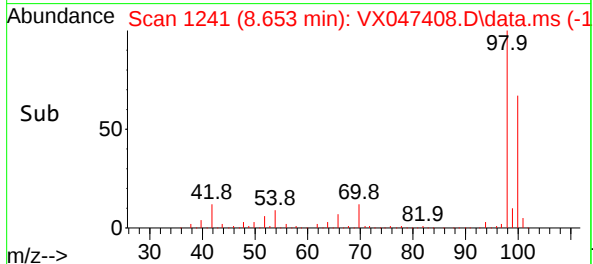
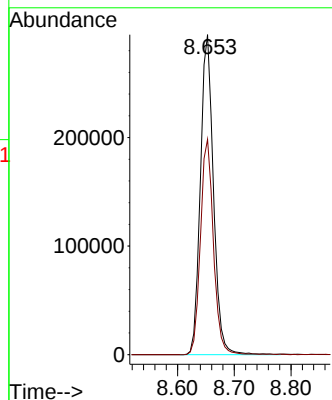
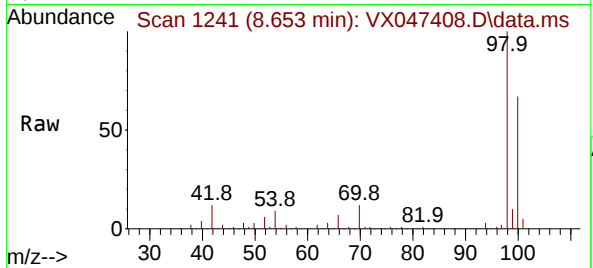




#50
Toluene-d8
Concen: 49.782 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

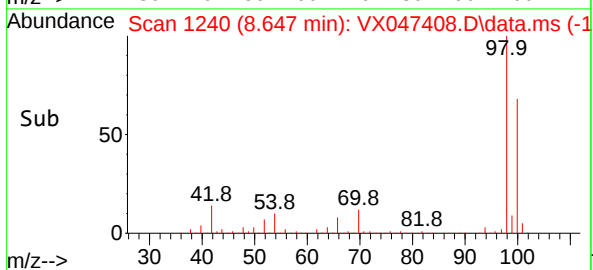
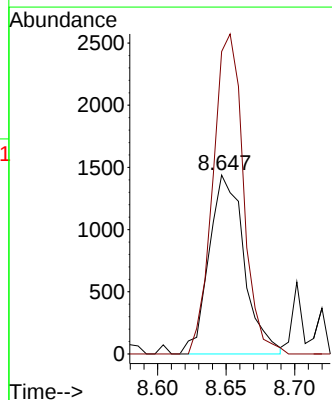
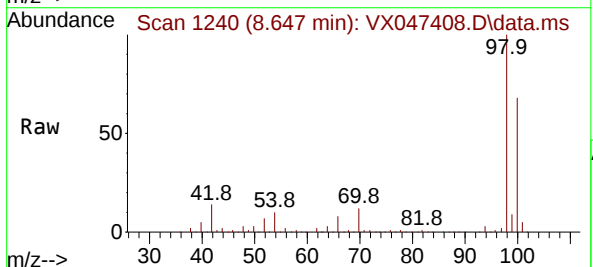
Instrument :
MSVOA_X
ClientSampleId :
TB

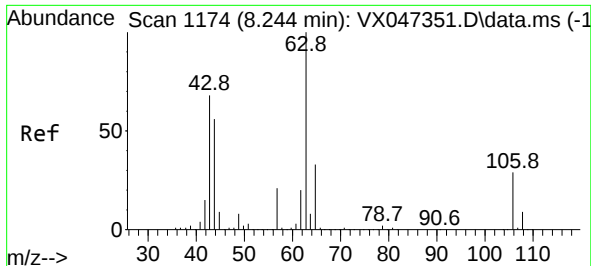
Tgt Ion: 98 Resp: 470973
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.715 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
58 155.1 31.2 46.8#

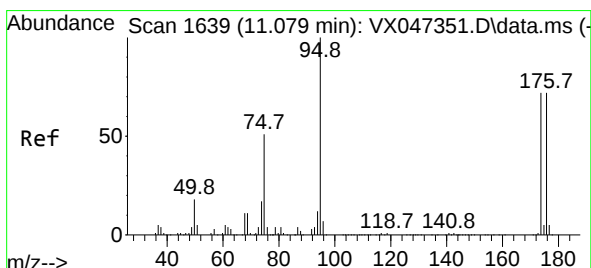
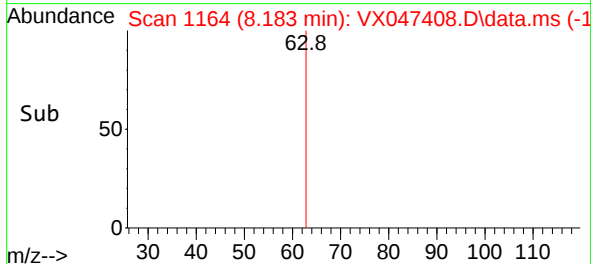
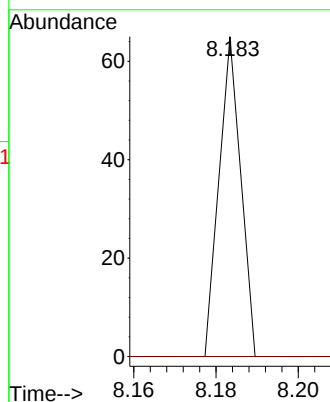
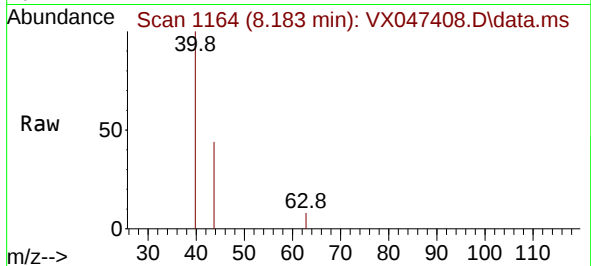




#58
2-Chloroethyl Vinyl ether
Concen: 8.367 ug/l
RT: 8.183 min Scan# 1164
Delta R.T. -0.061 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

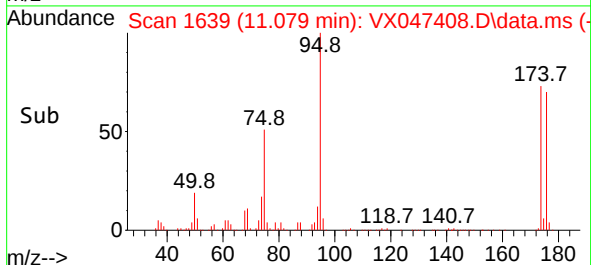
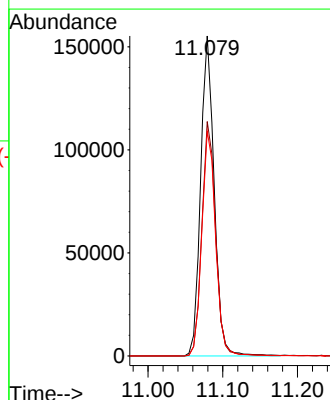
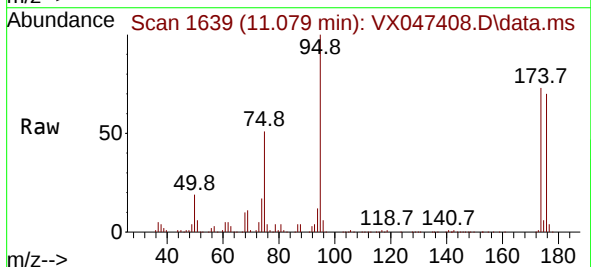
Instrument :
MSVOA_X
ClientSampleId :
TB

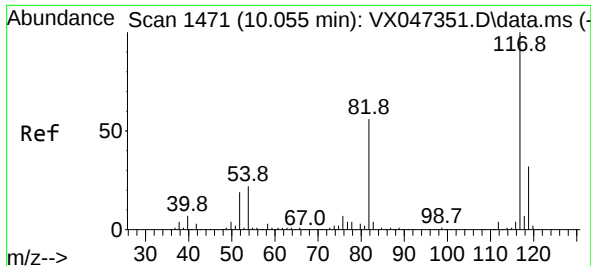
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 55.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 95 Resp: 195434
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 71.5 0.0 145.4

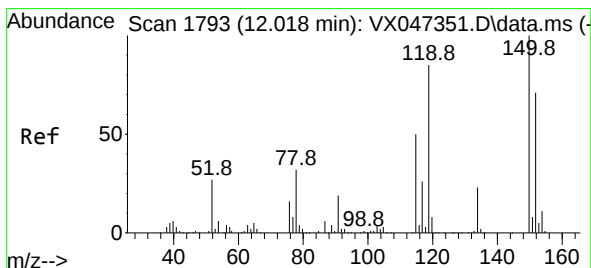
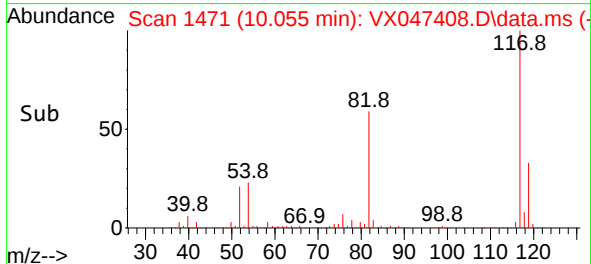
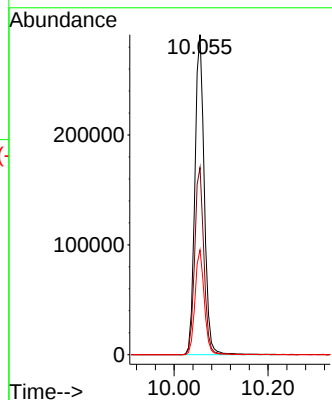
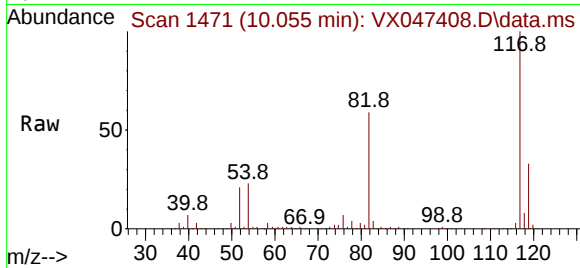




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

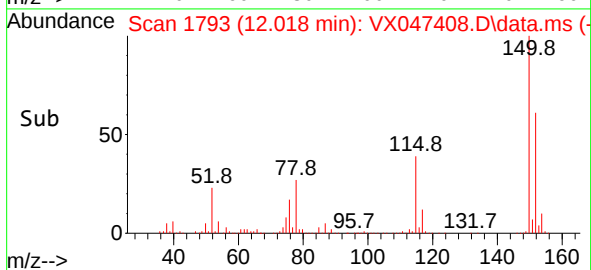
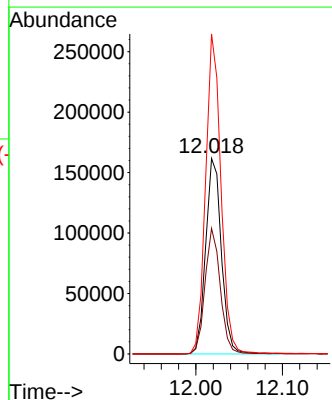
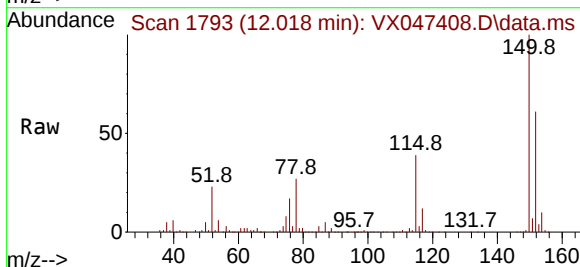
Instrument :
MSVOA_X
ClientSampleId :
TB

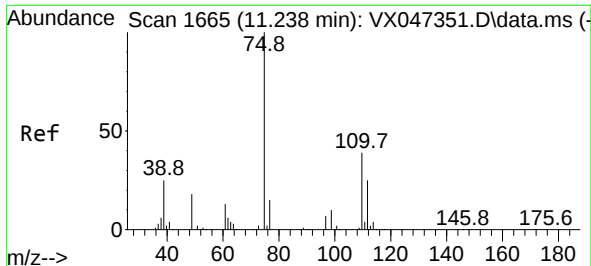
Tgt Ion:117 Resp: 405367
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

Tgt Ion:152 Resp: 203950
Ion Ratio Lower Upper
152 100
115 62.4 44.6 133.8
150 159.7 0.0 349.8

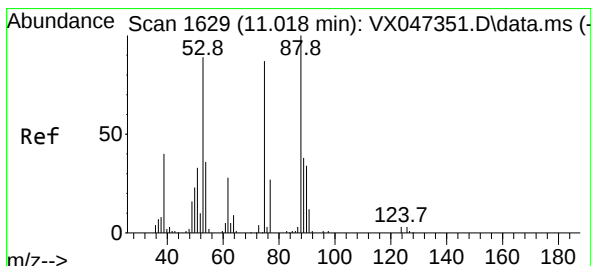
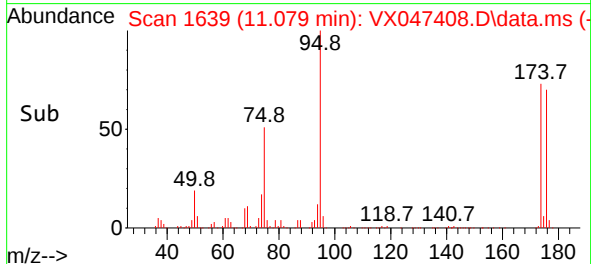
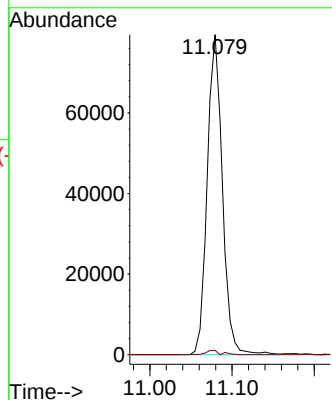
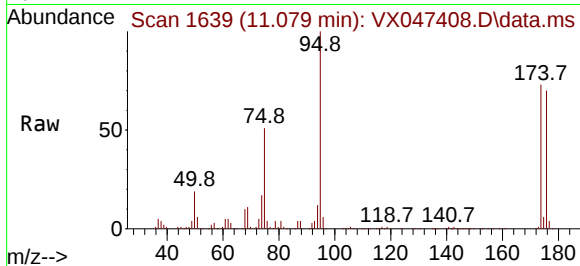




#76
1,2,3-Trichloropropane
Concen: 27.162 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

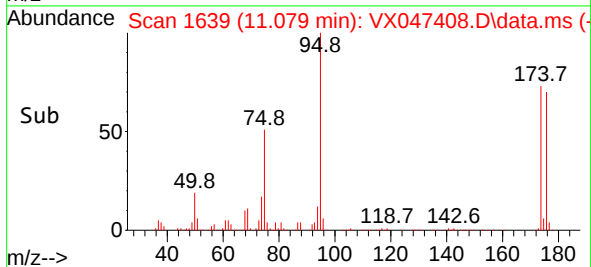
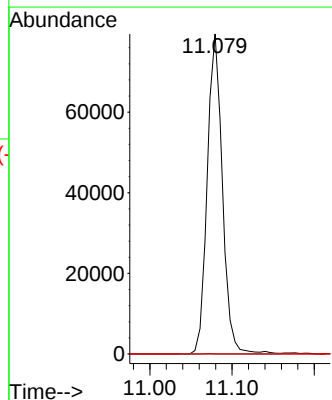
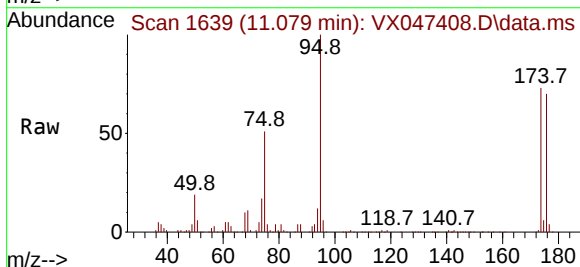
Instrument :
MSVOA_X
ClientSampleId :
TB

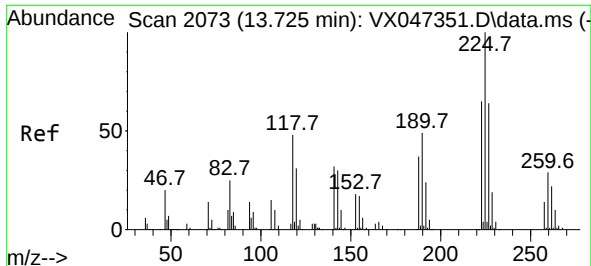
Tgt Ion: 75 Resp: 101604
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047408.D
Acq: 19 Aug 2025 13:41

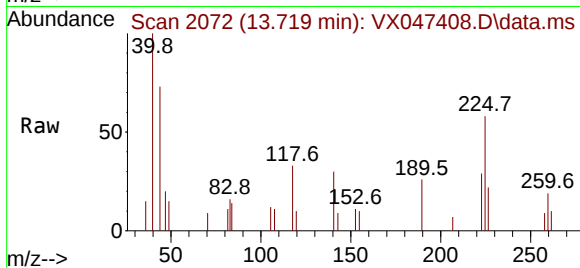
Tgt Ion: 75 Resp: 101604
Ion Ratio Lower Upper
75 100
53 0.1 85.2 127.8#
89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.263 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX047408.D
 Acq: 19 Aug 2025 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 TB



Tgt Ion:	225	Resp:	443
Ion	Ratio	Lower	Upper
225	100		
223	45.6	32.2	96.6
227	63.4	31.6	95.0

