

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047517.D
 Acq On : 25 Aug 2025 13:12
 Operator : JC/MD
 Sample : Q2939-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 00:38:36 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)

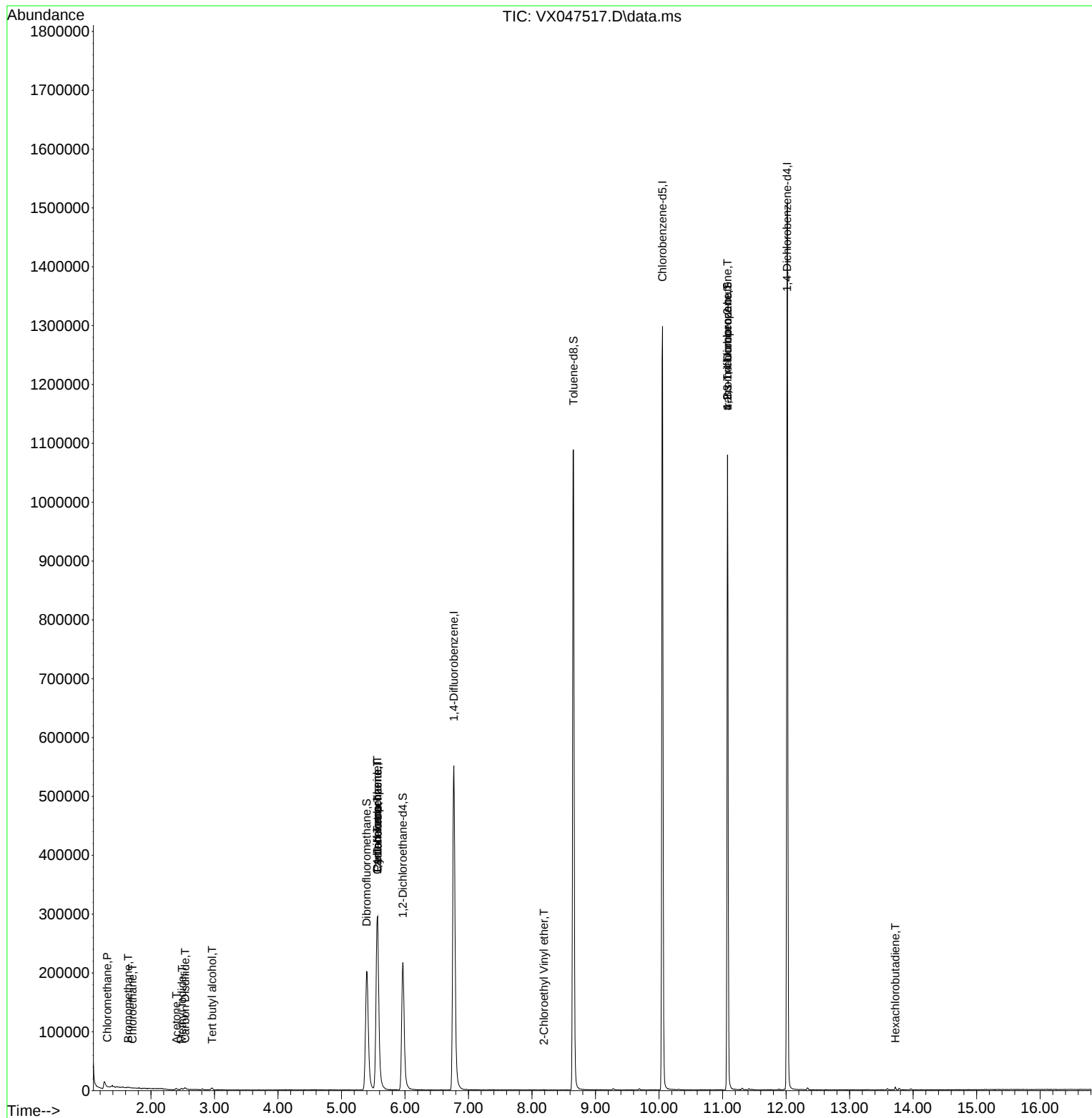
Internal Standards						
1) Pentafluorobenzene	5.568	168	297015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	599700	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	588387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	229399	55.186	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.380%
35) Dibromofluoromethane	5.397	113	194382	49.943	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.880%
50) Toluene-d8	8.653	98	687651	49.431	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.860%
62) 4-Bromofluorobenzene	11.079	95	282241	54.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.960%
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	890	0.261	ug/l #	41
5) Bromomethane	1.642	94	739	0.428	ug/l #	72
6) Chloroethane	1.709	64	906	0.346	ug/l #	44
10) Methyl Iodide	2.489	142	4350	0.692	ug/l #	79
11) Tert butyl alcohol	2.965	59	1159	3.205	ug/l #	72
16) Acetone	2.398	43	3498	2.239	ug/l	91
17) Carbon Disulfide	2.538	76	2496	0.221	ug/l #	92
31) Cyclohexane	5.568	56	6389	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	25523	4.154	ug/l #	42
38) Carbon Tetrachloride	5.562	117	31450	4.684	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.189	63	602	8.547	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	145504	26.747	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	145504	105.842	ug/l #	7
94) Hexachlorobutadiene	13.719	225	696	0.284	ug/l	97

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

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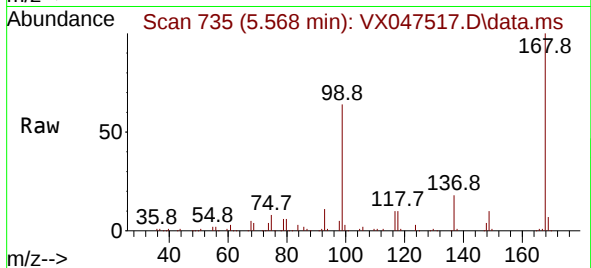
Quant Time: Aug 26 00:38:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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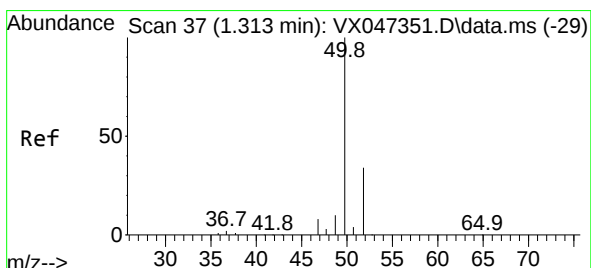
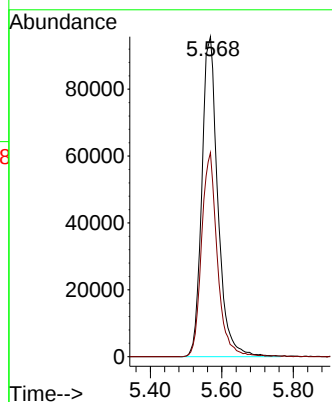
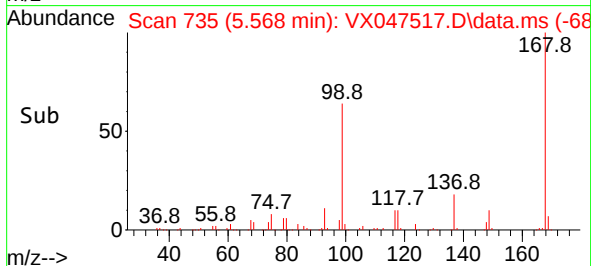


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

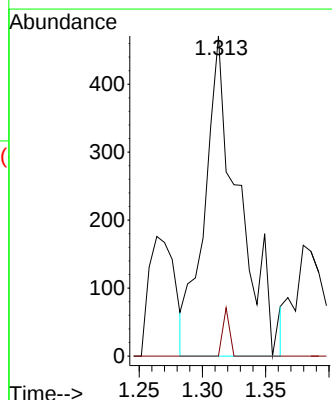
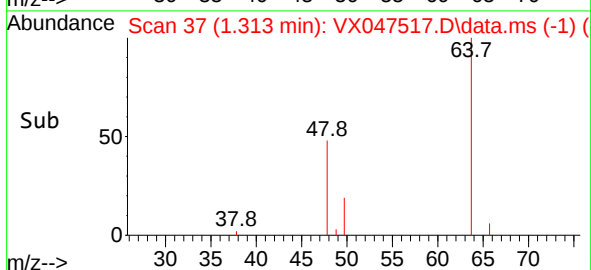
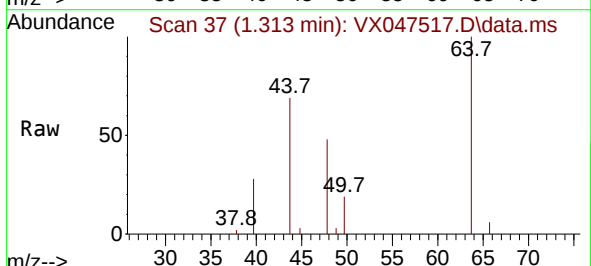


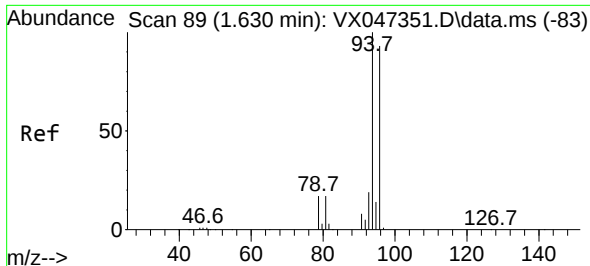
Tgt Ion:168 Resp: 297015
Ion Ratio Lower Upper
168 100
99 63.7 47.9 71.9



#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

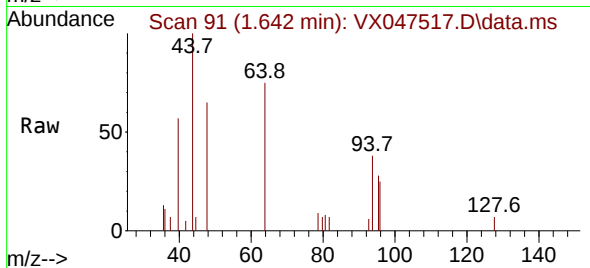
Tgt Ion: 50 Resp: 890
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#



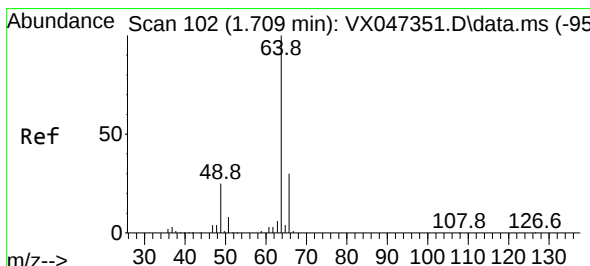
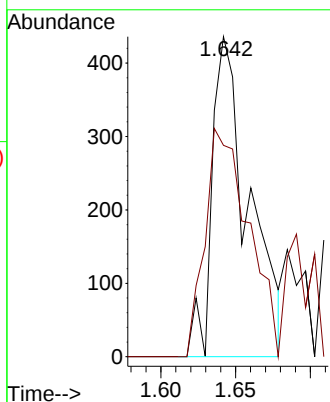
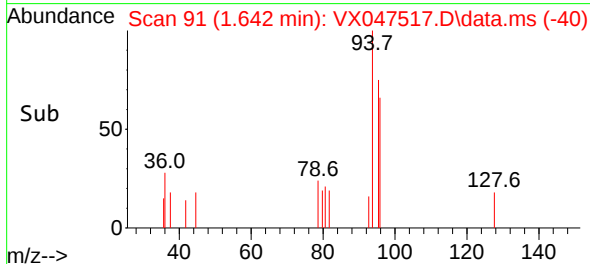


#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

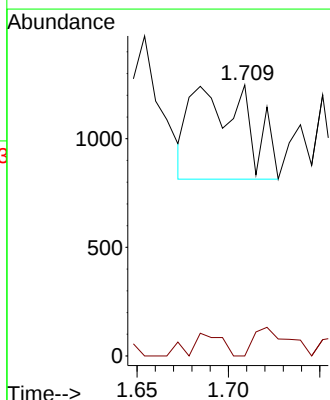
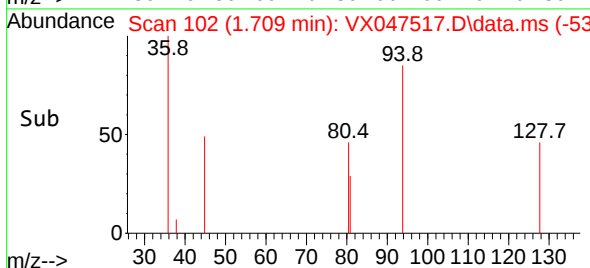
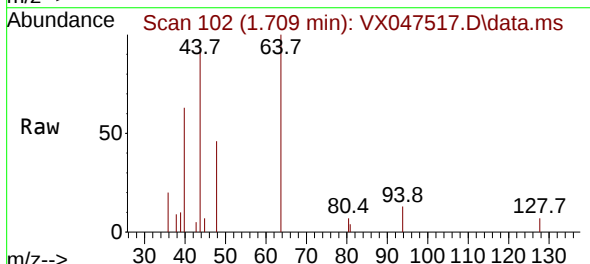


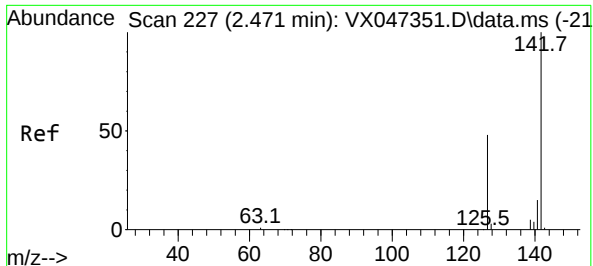
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 66.1 74.7 112.1#



#6
Chloroethane
Concen: 0.346 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

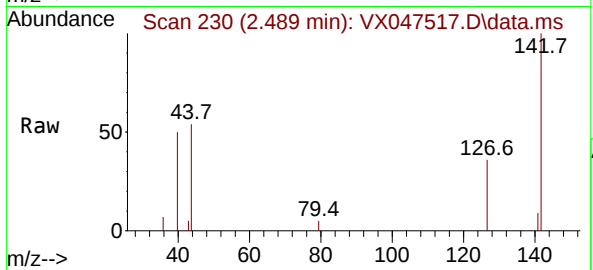
Tgt Ion: 64 Resp: 906
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



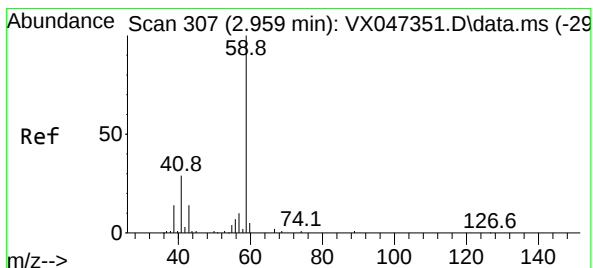
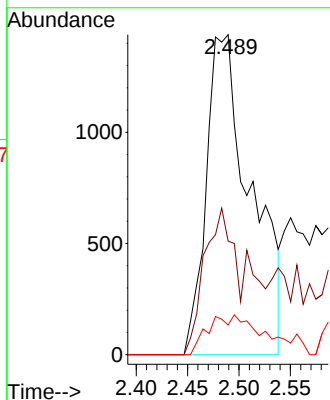
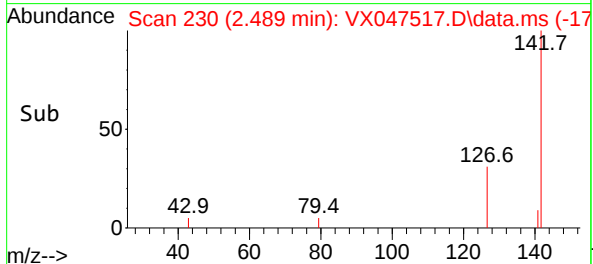


#10
Methyl Iodide
Concen: 0.692 ug/l
RT: 2.489 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

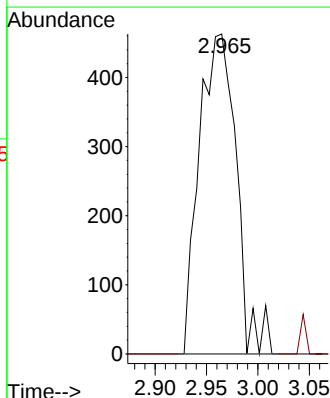
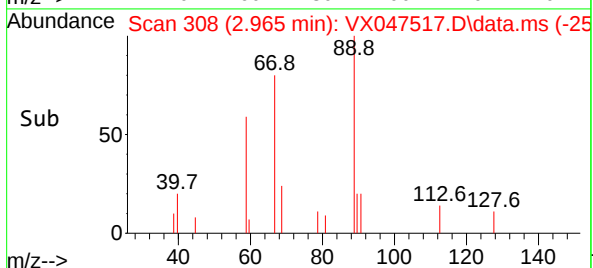
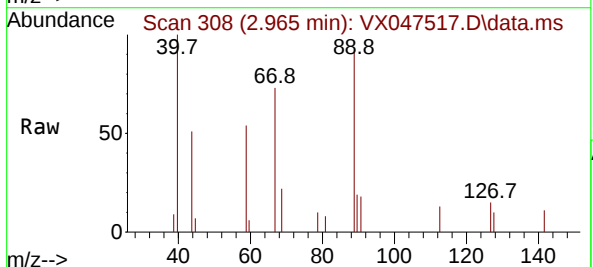


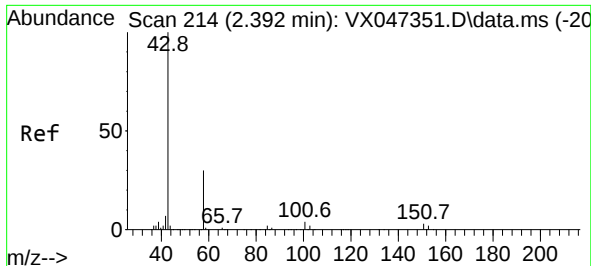
Tgt Ion:142 Resp: 4350
Ion Ratio Lower Upper
142 100
127 30.8 36.1 54.1#
141 6.2 11.1 16.7#



#11
Tert butyl alcohol
Concen: 3.205 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

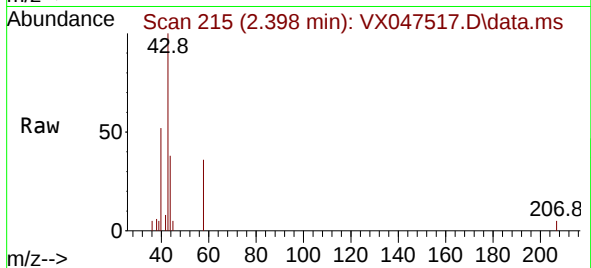
Tgt Ion: 59 Resp: 1159
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



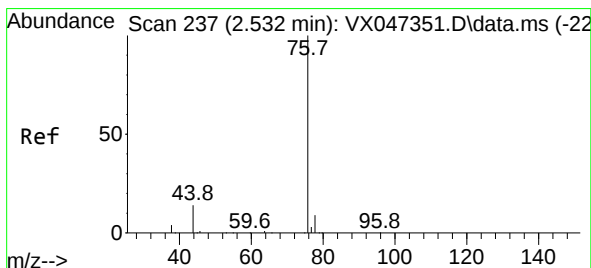
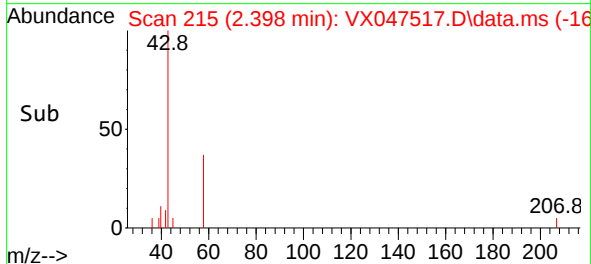
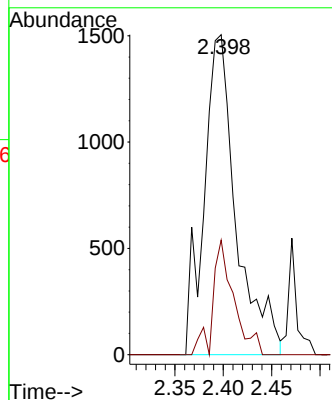


#16
Acetone
Concen: 2.239 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

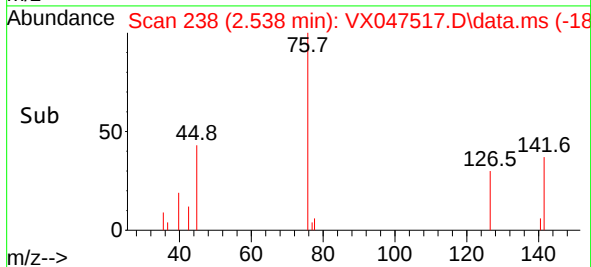
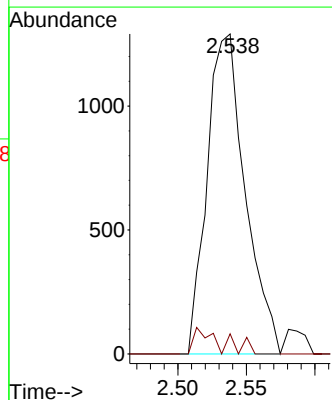
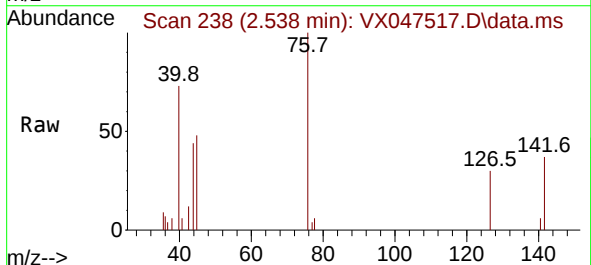


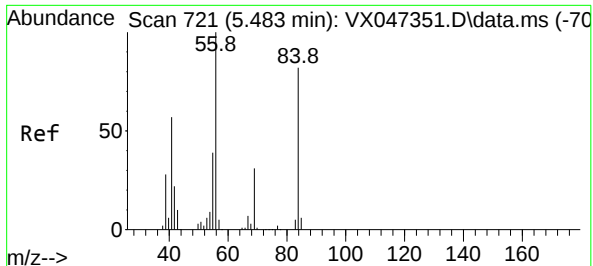
Tgt Ion: 43 Resp: 3498
Ion Ratio Lower Upper
43 100
58 26.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

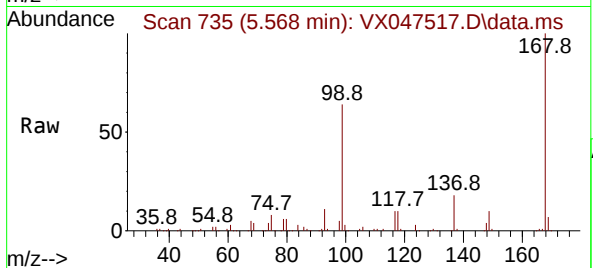
Tgt Ion: 76 Resp: 2496
Ion Ratio Lower Upper
76 100
78 6.3 7.2 10.8#



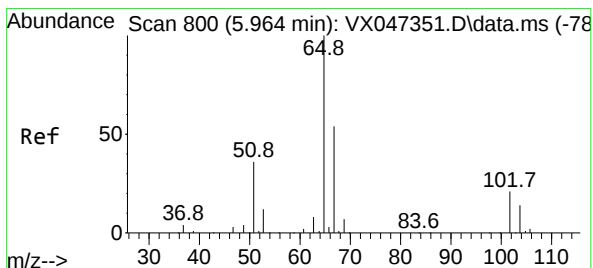
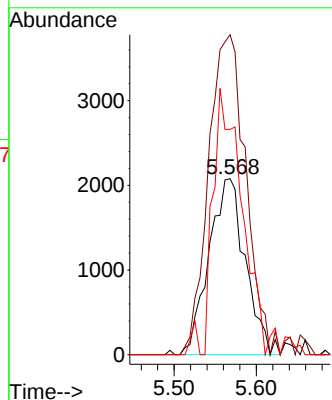
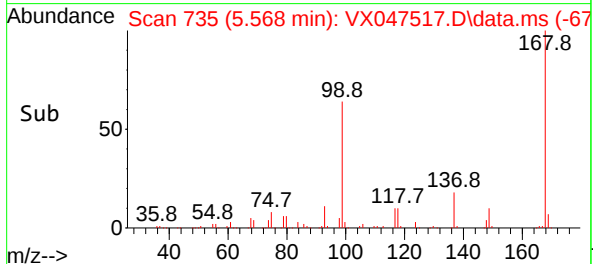


#31
Cyclohexane
Concen: 0.955 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

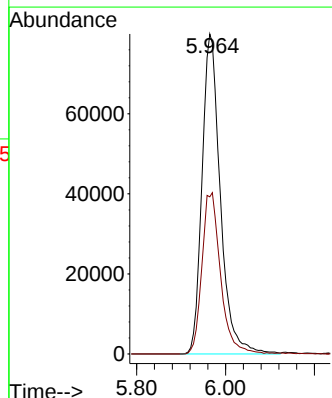
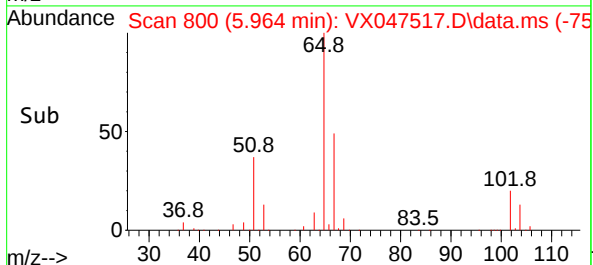
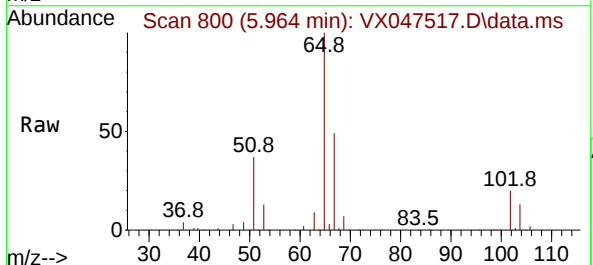


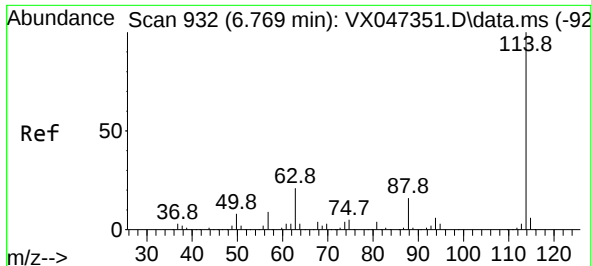
Tgt Ion: 56 Resp: 6389
Ion Ratio Lower Upper
56 100
69 173.0 24.3 36.5#
84 121.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 55.186 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Tgt Ion: 65 Resp: 229399
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.0

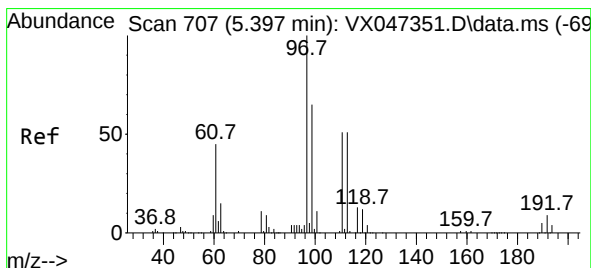
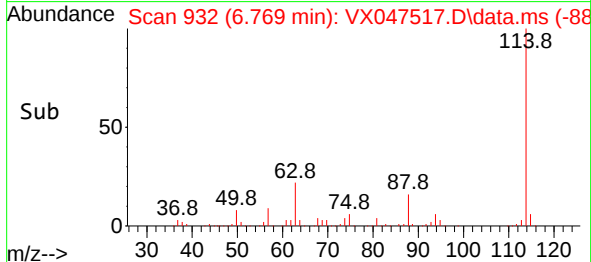
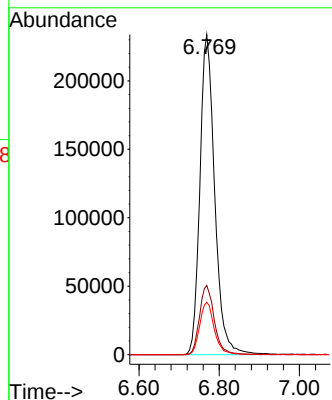
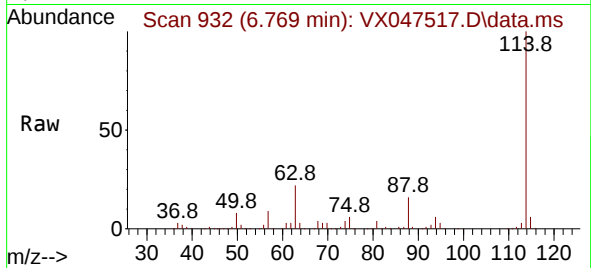




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

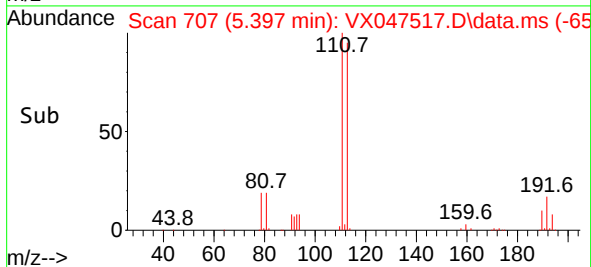
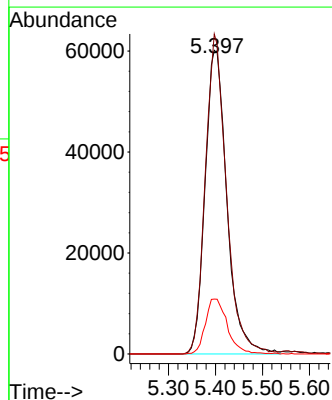
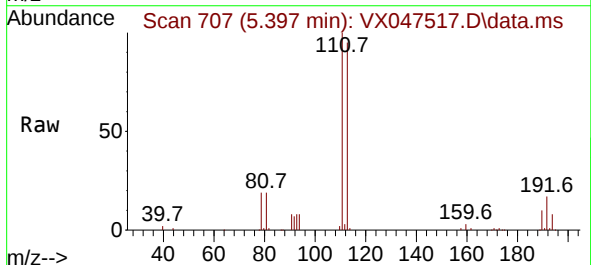
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MSVOA_X
ClientSampleId :

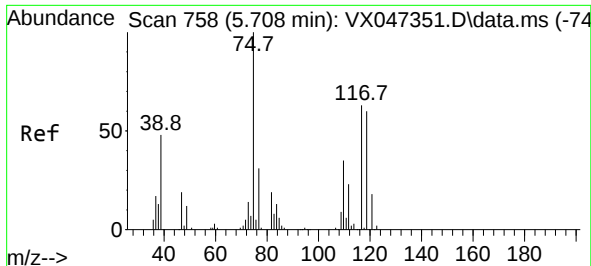
Tgt Ion:114 Resp: 599700
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.943 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Tgt Ion:113 Resp: 194382
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.154 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

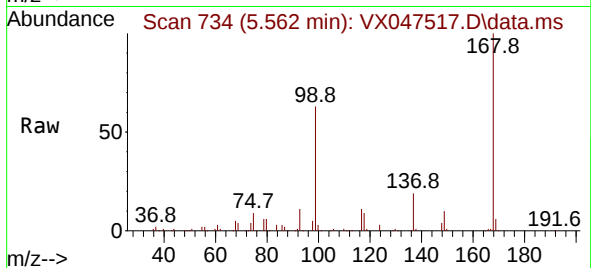
Lab File: VX047517.D

Acq: 25 Aug 2025 13:12

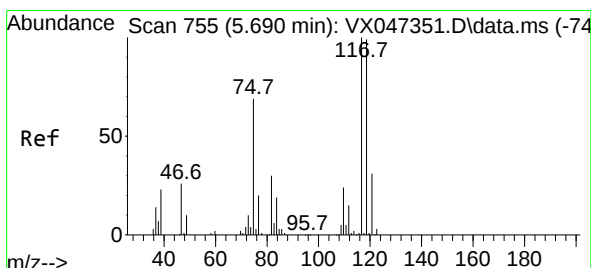
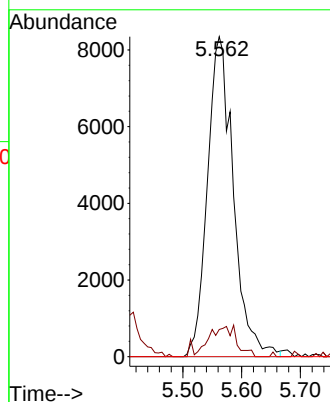
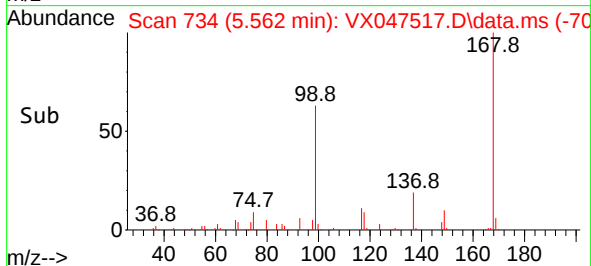
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	75	Resp:	25523
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.684 ug/l

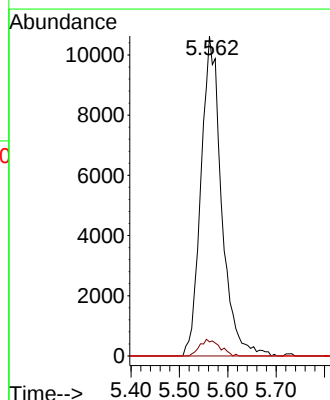
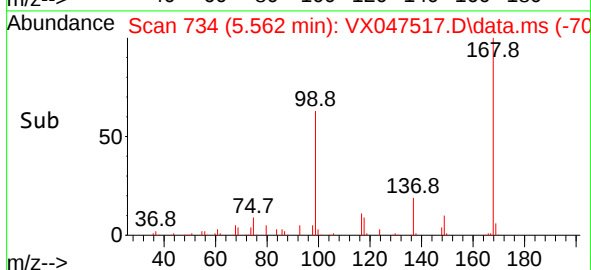
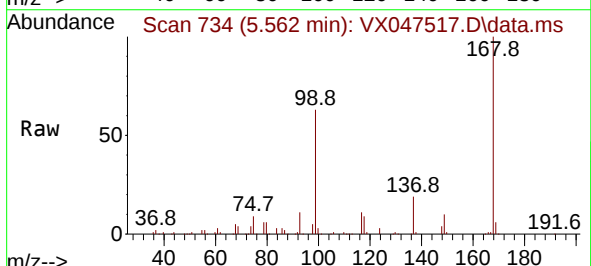
RT: 5.562 min Scan# 734

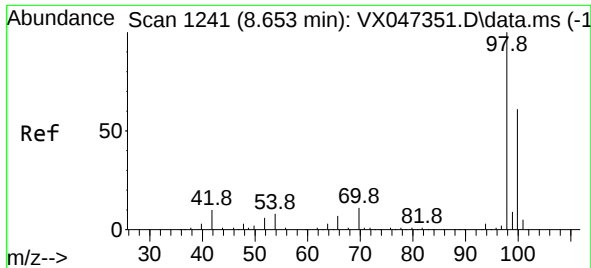
Delta R.T. -0.128 min

Lab File: VX047517.D

Acq: 25 Aug 2025 13:12

Tgt Ion:	117	Resp:	31450
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.5	117.7#
121	0.0	24.7	37.1#

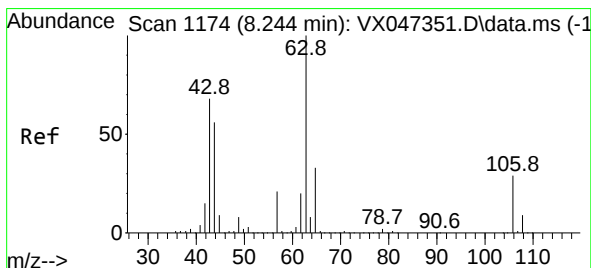
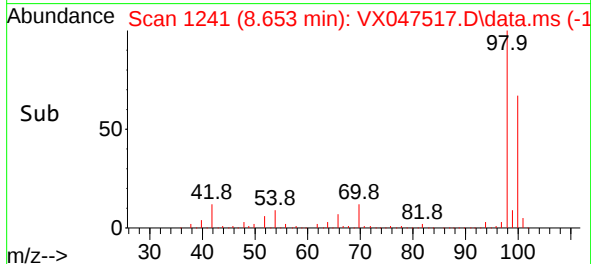
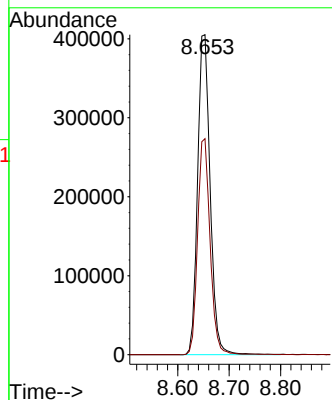
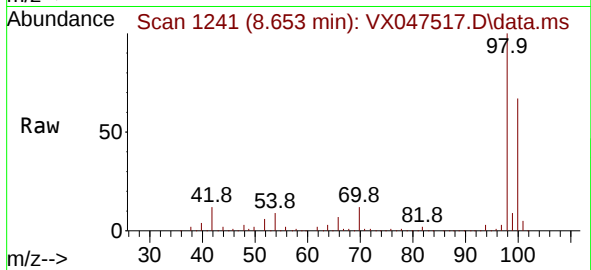




#50
Toluene-d8
Concen: 49.431 ug/l
RT: 8.653 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

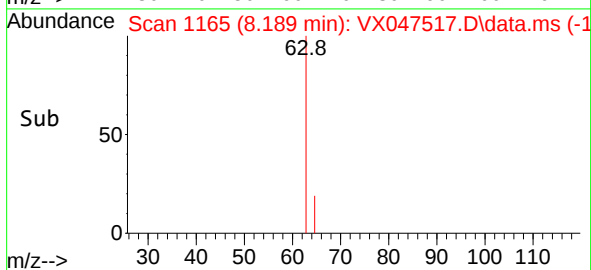
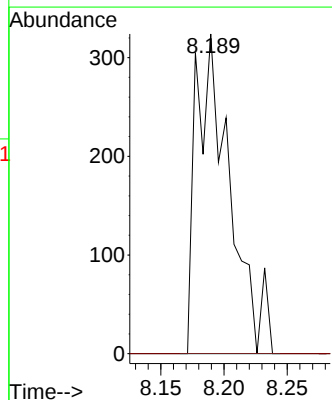
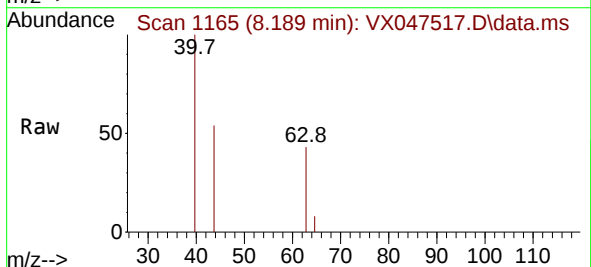
Instrument :
MSVOA_X
ClientSampleId :

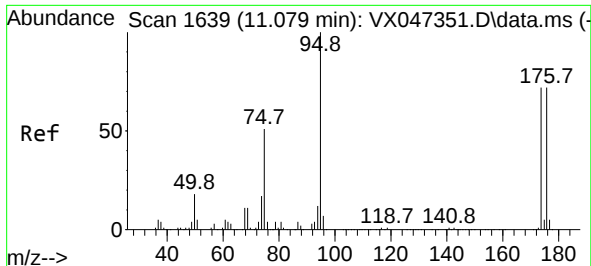
Tgt Ion: 98 Resp: 687651
Ion Ratio Lower Upper
98 100
100 67.1 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.547 ug/l
RT: 8.189 min Scan# 1165
Delta R.T. -0.055 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Tgt Ion: 63 Resp: 602
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 54.979 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047517.D

Acq: 25 Aug 2025 13:12

Instrument :

MSVOA_X

ClientSampleId :

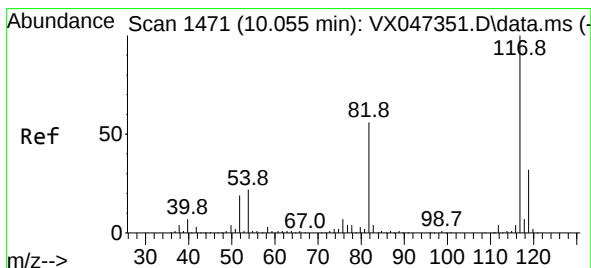
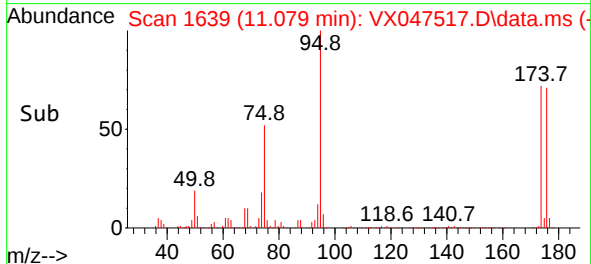
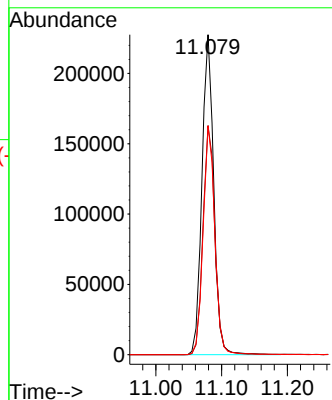
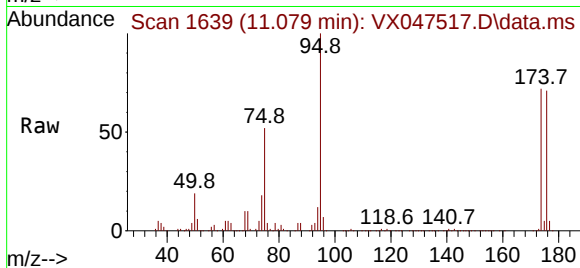
Tgt Ion: 95 Resp: 282241

Ion Ratio Lower Upper

95 100

174 72.6 0.0 148.0

176 71.3 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: VX047517.D

Acq: 25 Aug 2025 13:12

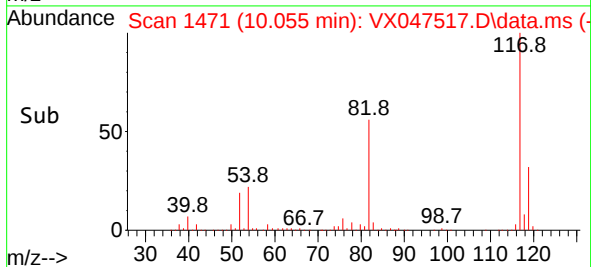
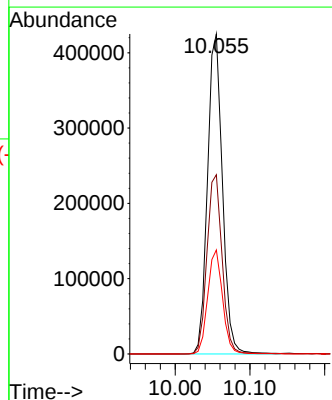
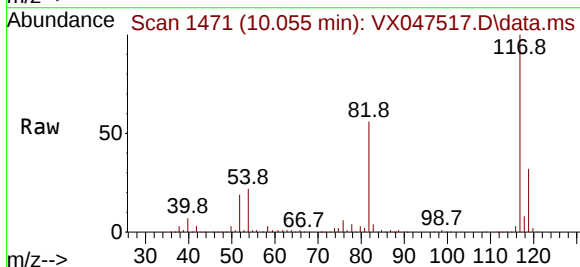
Tgt Ion: 117 Resp: 588387

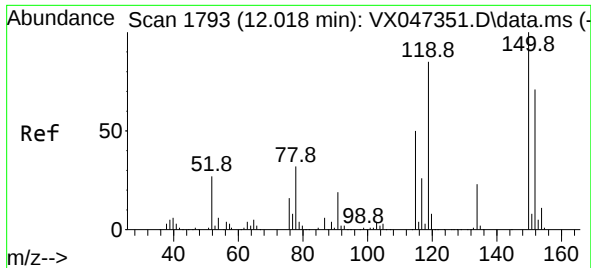
Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.4

119 32.5 25.8 38.8

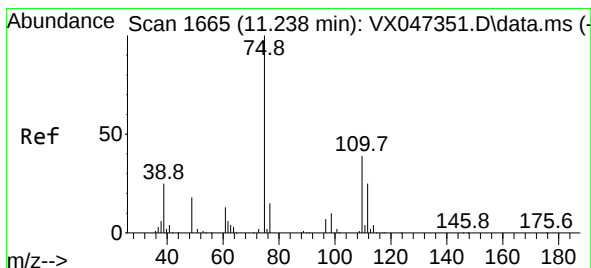
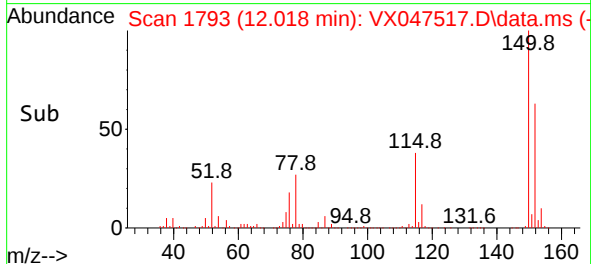
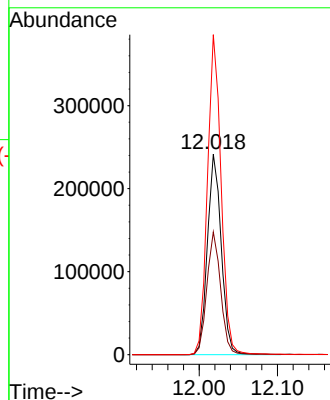
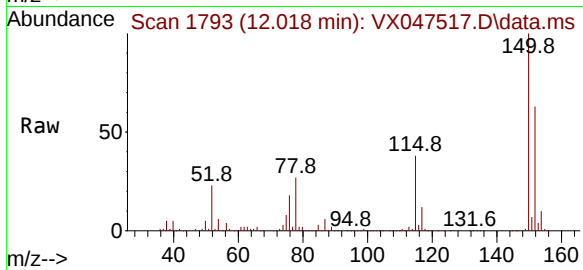




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047517.D
 Acq: 25 Aug 2025 13:12

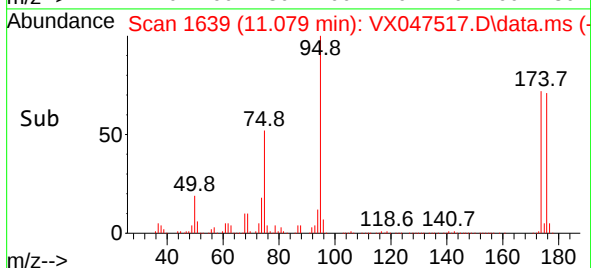
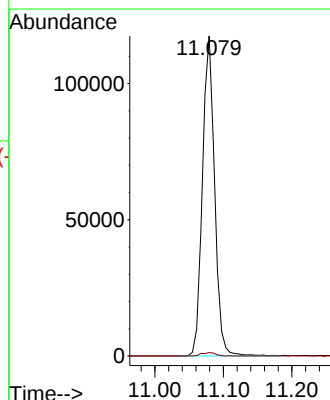
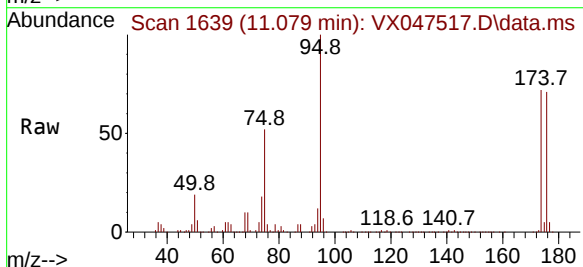
Instrument :
 MSVOA_X
 ClientSampleId :

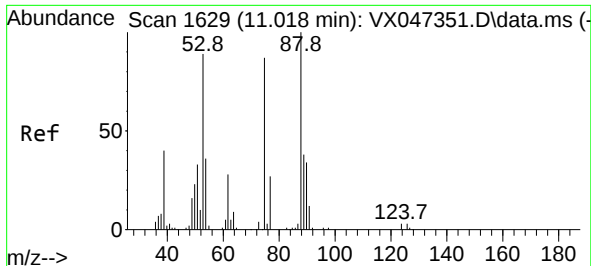
Tgt Ion:152 Resp: 296600
 Ion Ratio Lower Upper
 152 100
 115 60.9 44.6 133.8
 150 156.9 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.747 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047517.D
 Acq: 25 Aug 2025 13:12

Tgt Ion: 75 Resp: 145504
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

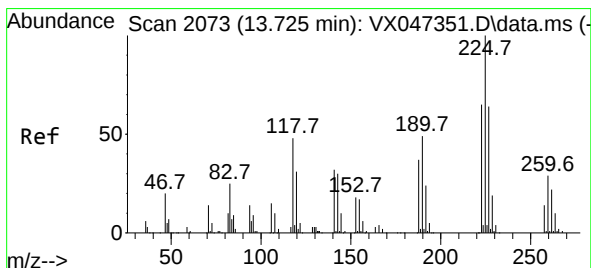
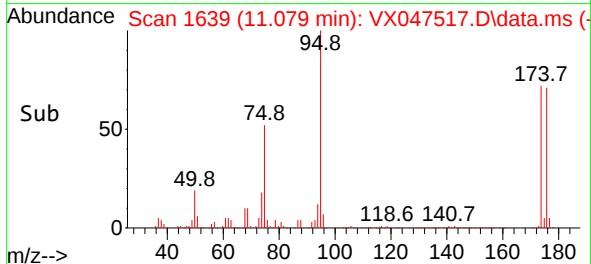
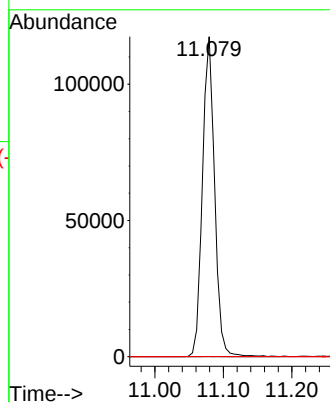
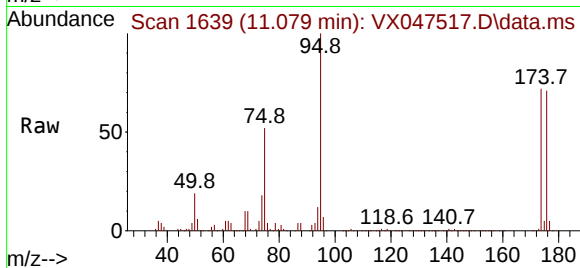




#81
trans-1,4-Dichloro-2-butene
Concen: 105.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 145504
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.284 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047517.D
Acq: 25 Aug 2025 13:12

Tgt Ion: 225 Resp: 696
Ion Ratio Lower Upper
225 100
223 60.6 32.2 96.6
227 62.9 31.6 95.0

