

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047477.D
 Acq On : 21 Aug 2025 17:39
 Operator : JC/MD
 Sample : Q2903-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Q2903-03MSMS

Quant Time: Aug 22 03:52:12 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)

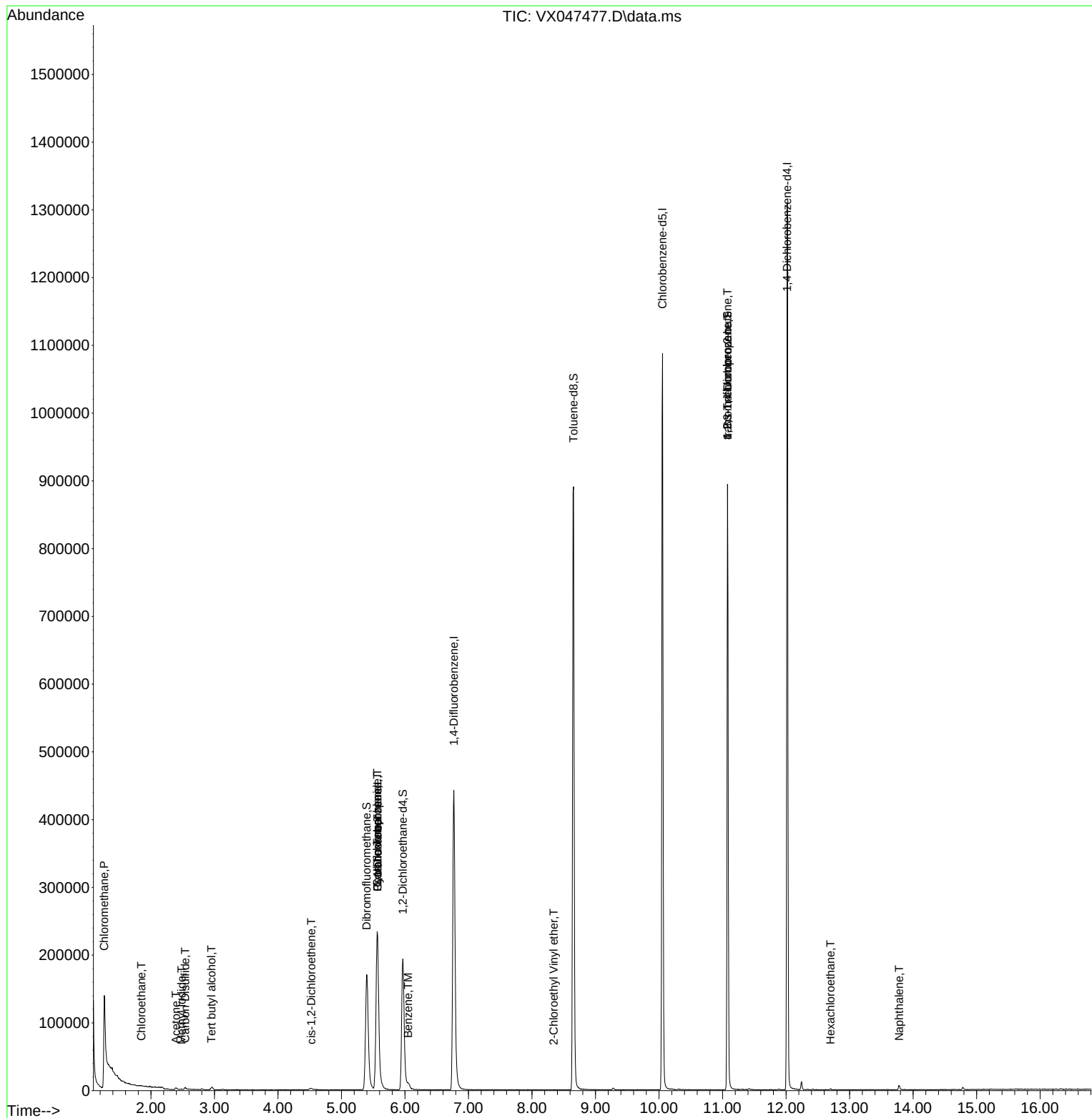
Internal Standards						
1) Pentafluorobenzene	5.568	168	233654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	485974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	254819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	202055	61.789	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	123.580%#
35) Dibromofluoromethane	5.397	113	161112	52.232	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.460%
50) Toluene-d8	8.653	98	560035	50.797	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.600%
62) 4-Bromofluorobenzene	11.079	95	242848	59.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.380%
Target Compounds						
						Qvalue
3) Chloromethane	1.264	50	4278	1.597	ug/l #	41
6) Chloroethane	1.849	64	709	0.345	ug/l #	70
10) Methyl Iodide	2.483	142	1236	0.250	ug/l #	84
11) Tert butyl alcohol	2.953	59	2279	8.011	ug/l #	72
16) Acetone	2.392	43	4264	3.469	ug/l	93
17) Carbon Disulfide	2.538	76	3373	0.380	ug/l #	91
27) cis-1,2-Dichloroethene	4.526	96	1162	0.320	ug/l	90
31) Cyclohexane	5.568	56	5391	1.024	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	19147	3.932	ug/l #	52
38) Carbon Tetrachloride	5.562	117	24888	4.677	ug/l #	17
40) Benzene	6.050	78	8073	0.554	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.342	63	47	8.374	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	125724	26.901	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	125724	106.403	ug/l #	7
90) Hexachloroethane	12.701	117	987	0.328	ug/l #	15
95) Naphthalene	13.780	128	5705	0.337	ug/l	96

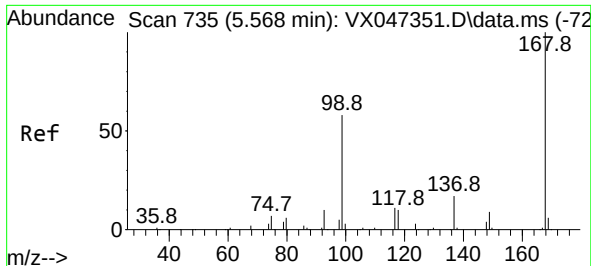
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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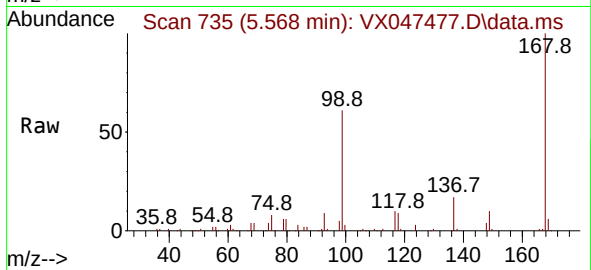
Quant Time: Aug 22 03:52:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



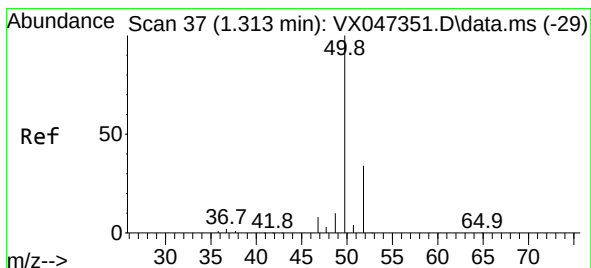
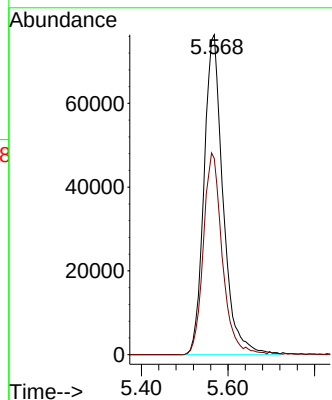
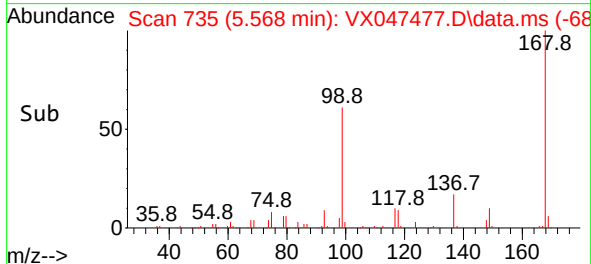


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

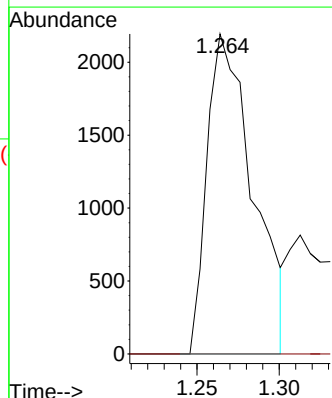
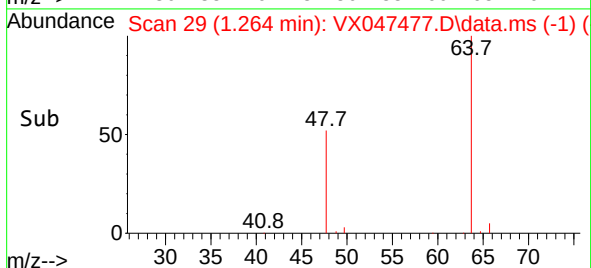
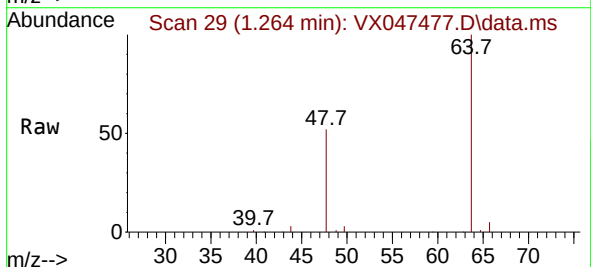


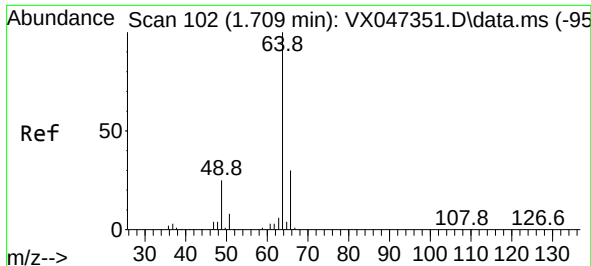
Tgt Ion:168 Resp: 233654
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#3
Chloromethane
Concen: 1.597 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 50 Resp: 4278
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

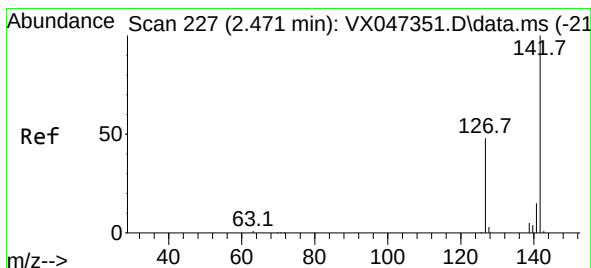
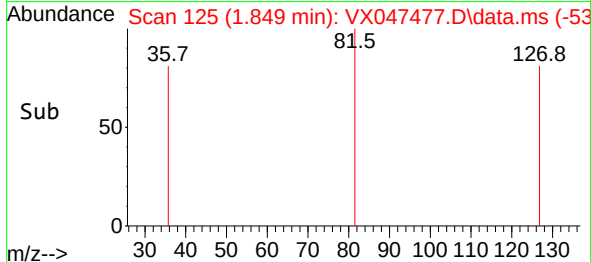
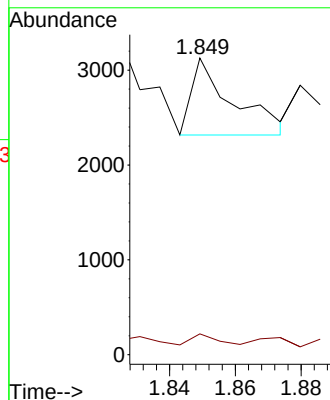
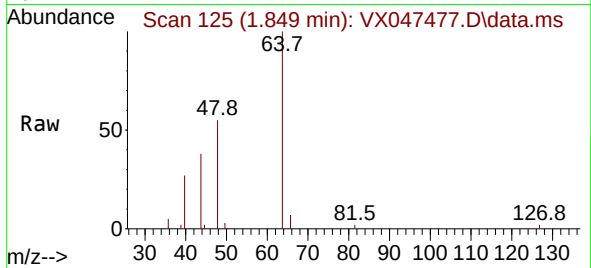




#6
Chloroethane
Concen: 0.345 ug/l
RT: 1.849 min Scan# 11
Delta R.T. 0.140 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

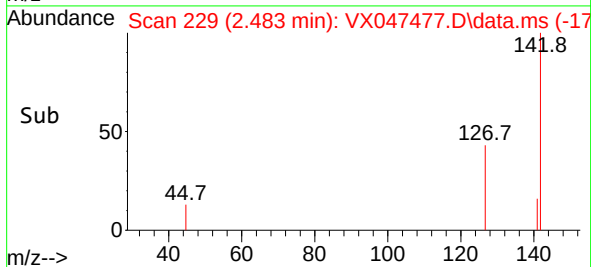
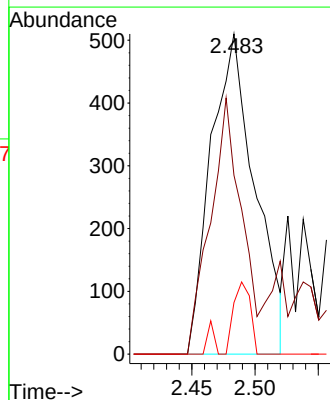
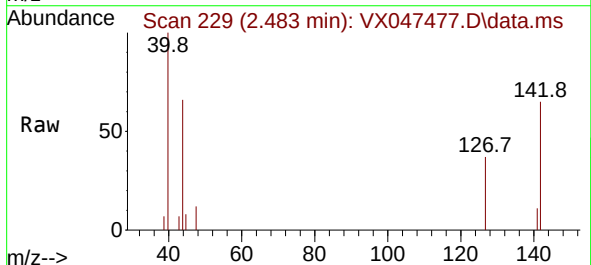
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

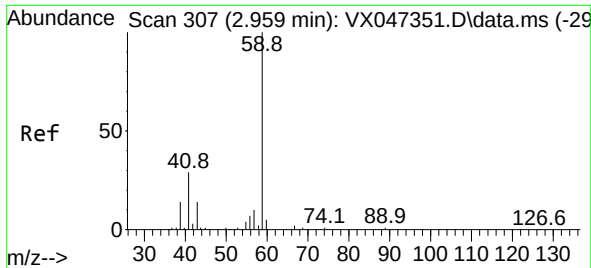
Tgt Ion: 64 Resp: 709
Ion Ratio Lower Upper
64 100
66 14.3 24.4 36.6#



#10
Methyl Iodide
Concen: 0.250 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion:142 Resp: 1236
Ion Ratio Lower Upper
142 100
127 56.2 36.1 54.1#
141 8.6 11.1 16.7#

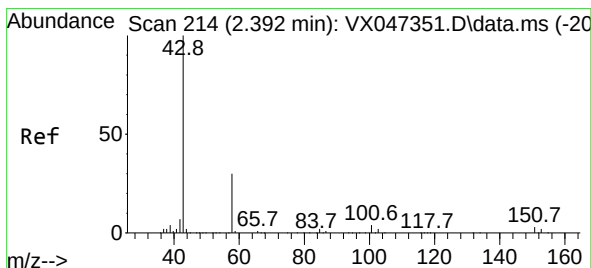
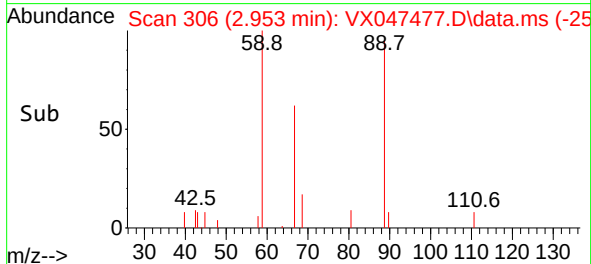
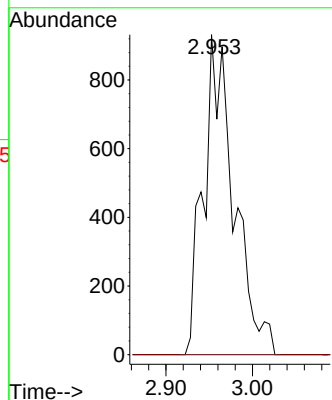
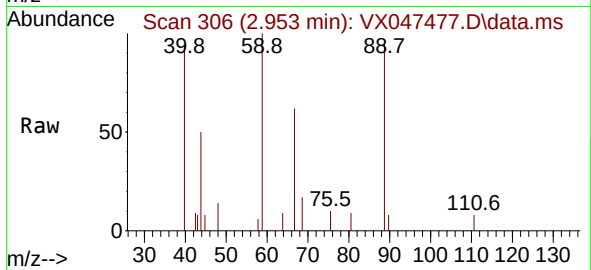




#11
Tert butyl alcohol
Concen: 8.011 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

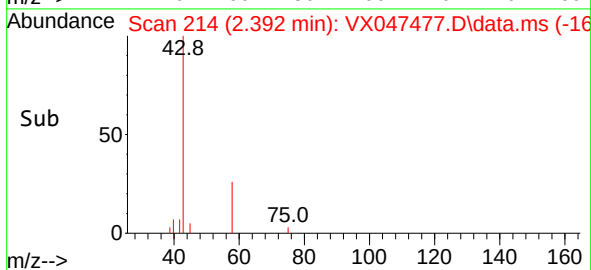
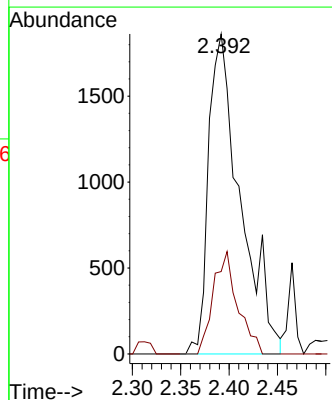
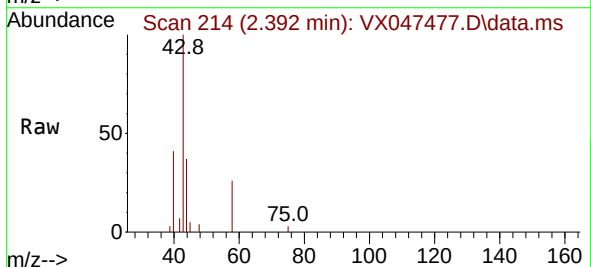
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

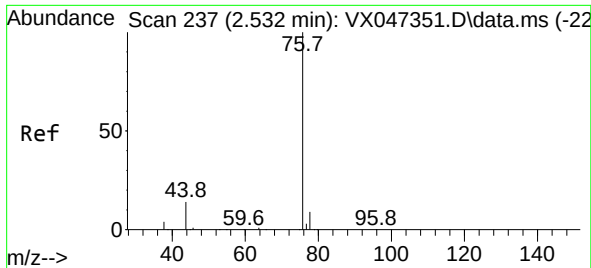
Tgt Ion: 59 Resp: 2279
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.469 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
58 27.0 24.8 37.2

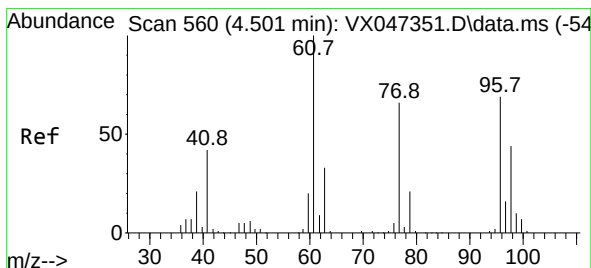
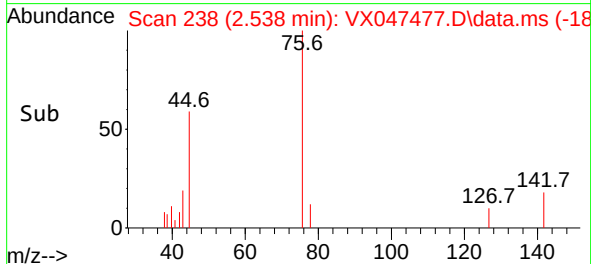
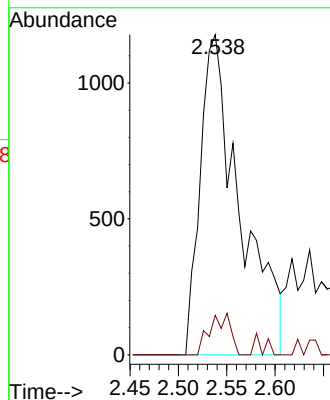
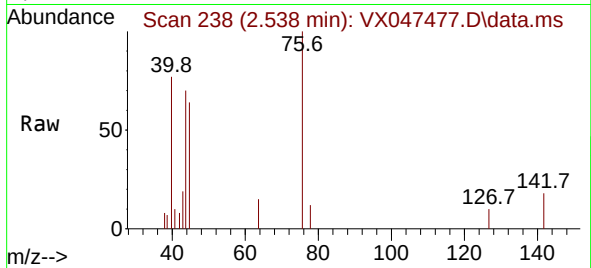




#17
Carbon Disulfide
Concen: 0.380 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

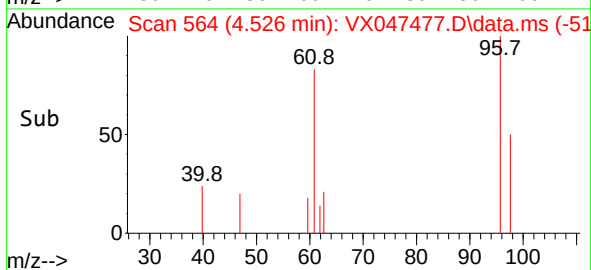
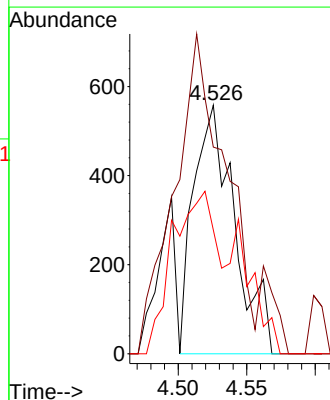
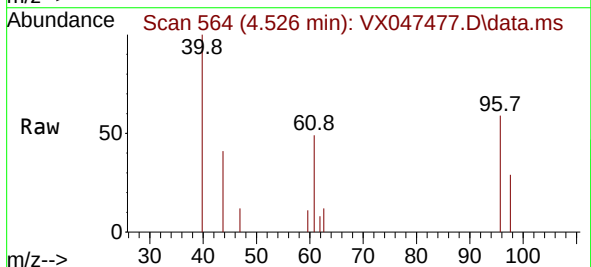
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

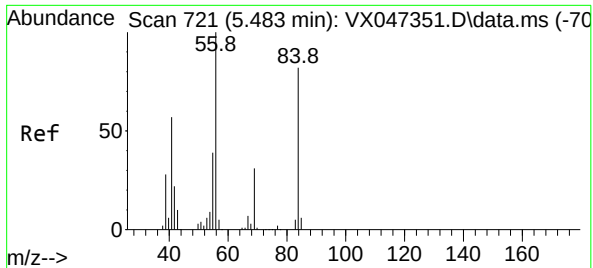
Tgt Ion: 76 Resp: 3373
Ion Ratio Lower Upper
76 100
78 12.3 7.2 10.8#



#27
cis-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 4.526 min Scan# 564
Delta R.T. 0.025 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 96 Resp: 1162
Ion Ratio Lower Upper
96 100
61 159.1 0.0 296.6
98 76.7 0.0 130.4

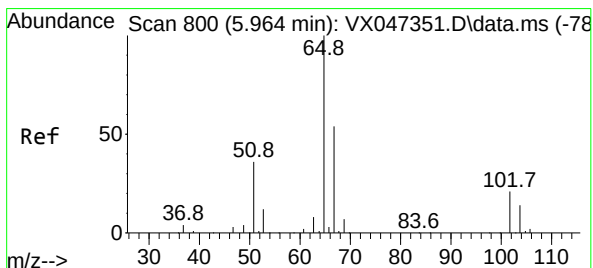
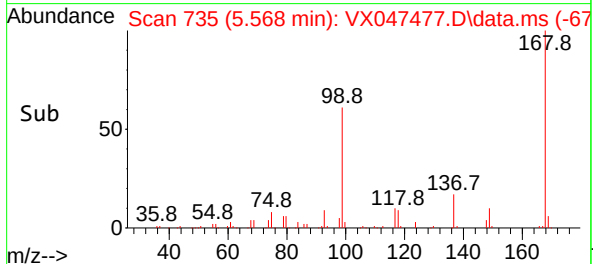
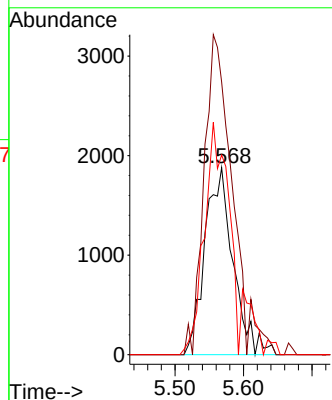
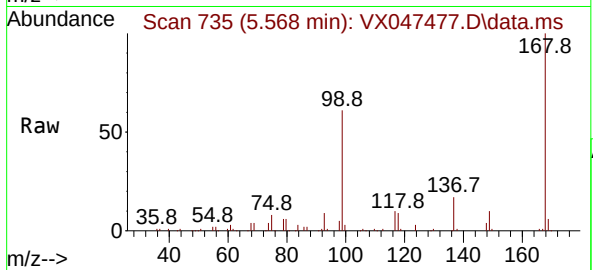




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

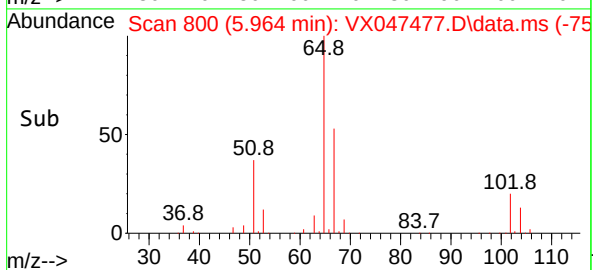
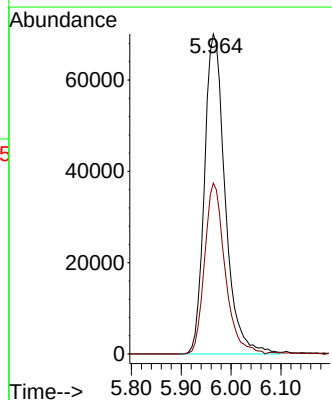
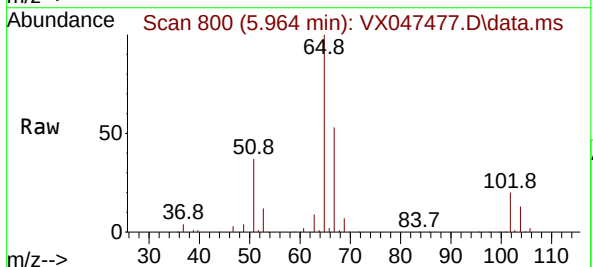
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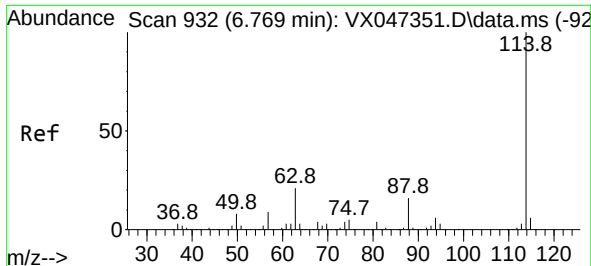
Tgt Ion: 56 Resp: 5391
Ion Ratio Lower Upper
56 100
69 145.7 24.3 36.5#
84 106.7 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 61.789 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 65 Resp: 202055
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0

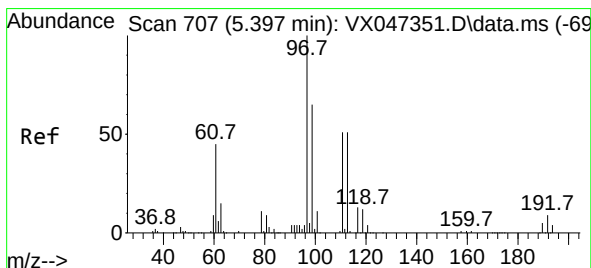
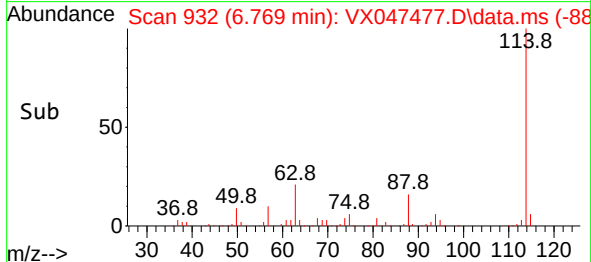
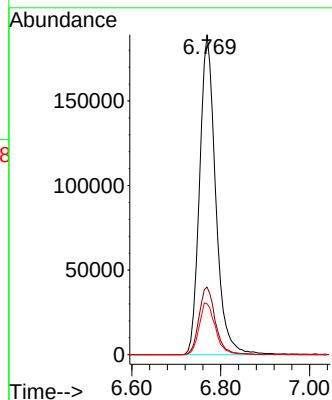
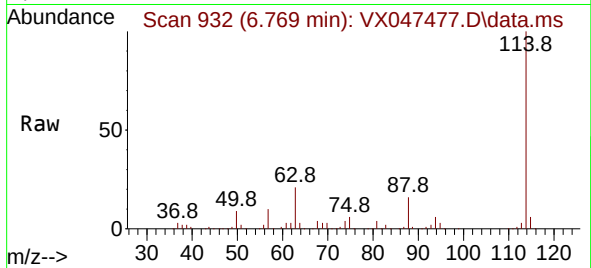




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

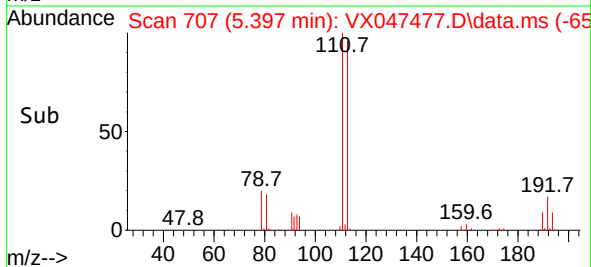
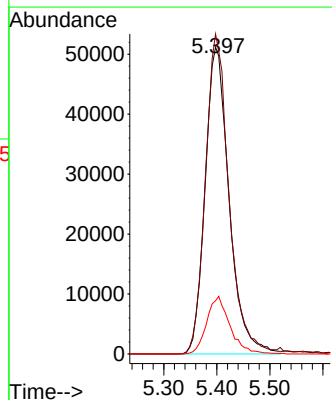
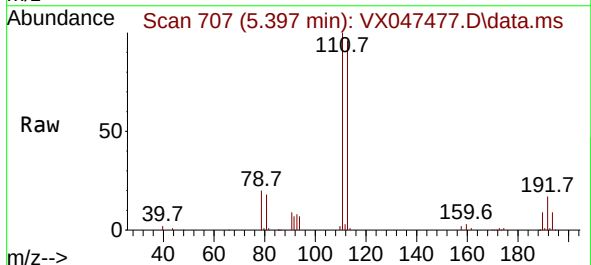
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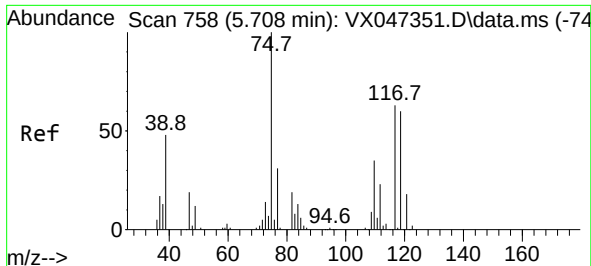
Tgt Ion:114 Resp: 475273
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.4
88 15.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.232 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion:113 Resp: 161112
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.2
192 18.2 14.1 21.1

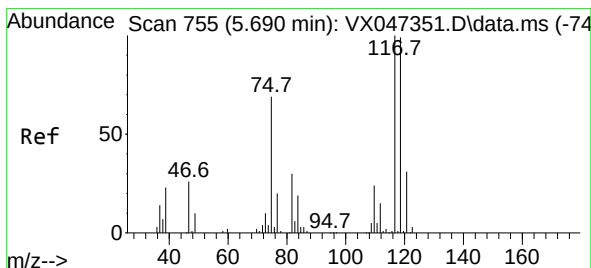
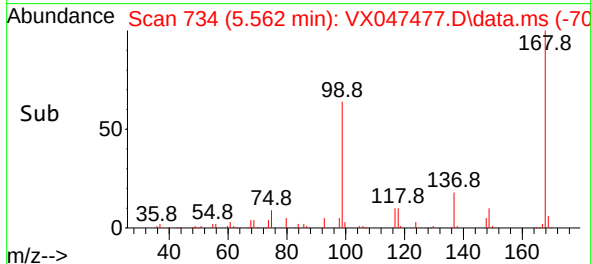
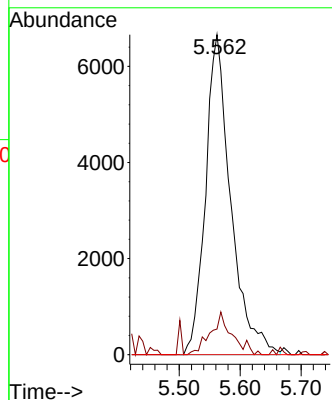
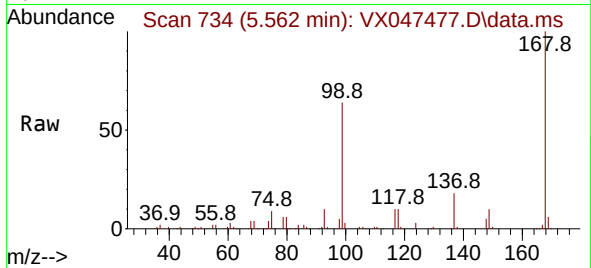




#36
1,1-Dichloropropene
Concen: 3.932 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

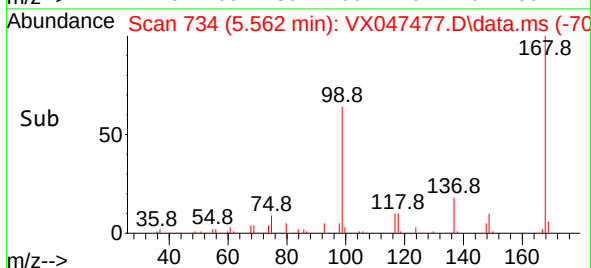
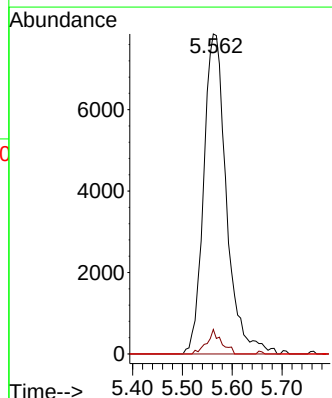
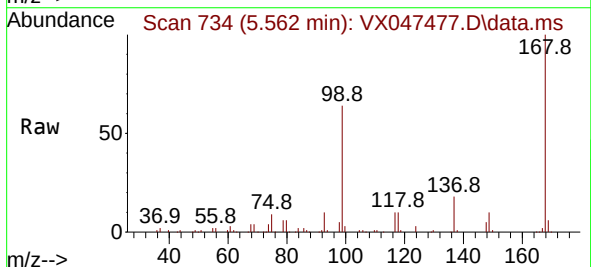
Instrument :
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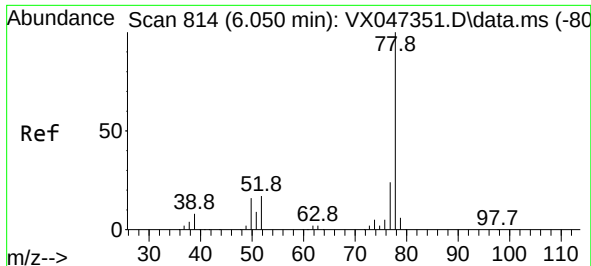
Tgt Ion: 75 Resp: 19147
Ion Ratio Lower Upper
75 100
110 11.4 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.677 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion:117 Resp: 24888
Ion Ratio Lower Upper
117 100
119 7.7 78.5 117.7#
121 0.0 24.7 37.1#

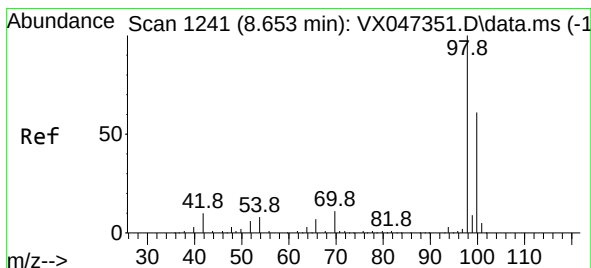
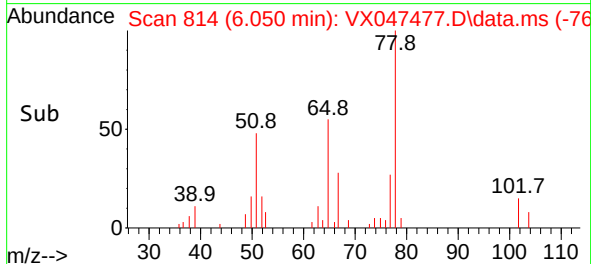
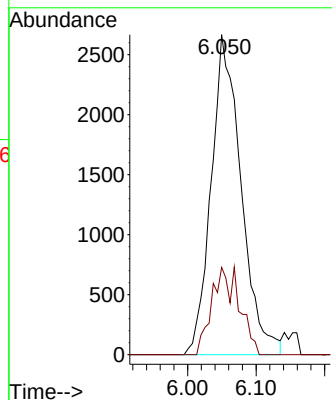
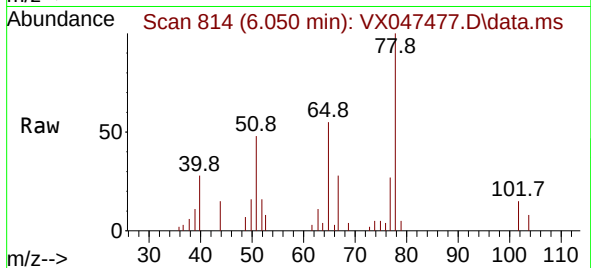




#40
Benzene
Concen: 0.554 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

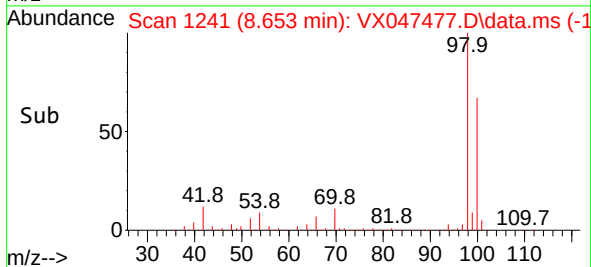
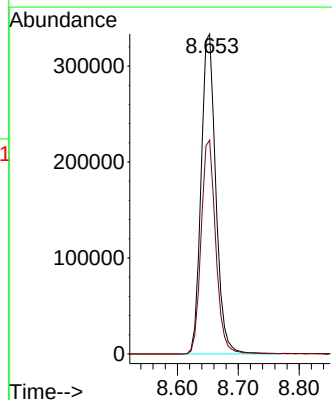
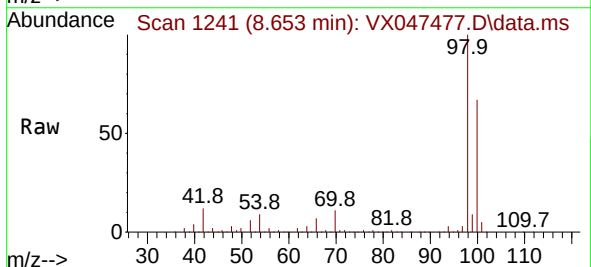
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

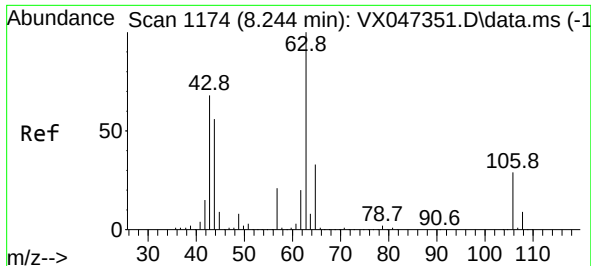
Tgt Ion: 78 Resp: 8073
Ion Ratio Lower Upper
78 100
77 27.3 19.0 28.4



#50
Toluene-d8
Concen: 50.797 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 98 Resp: 560035
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9

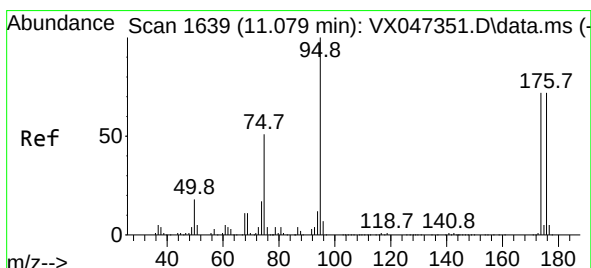
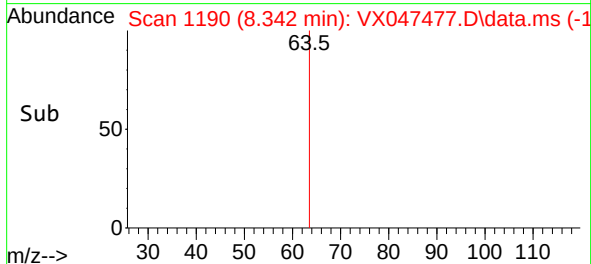
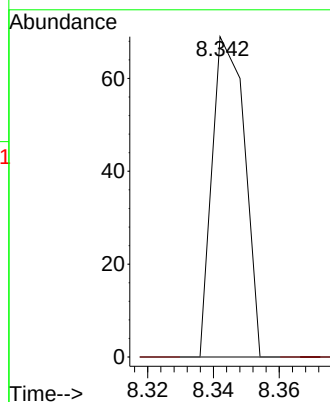
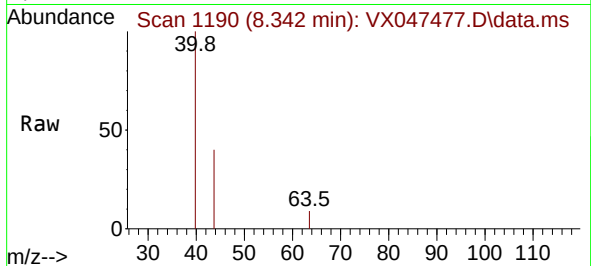




#58
2-Chloroethyl Vinyl ether
Concen: 8.374 ug/l
RT: 8.342 min Scan# 1190
Delta R.T. 0.098 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

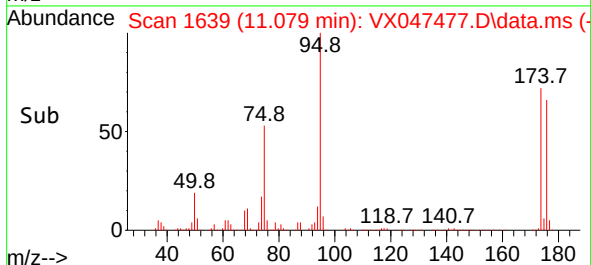
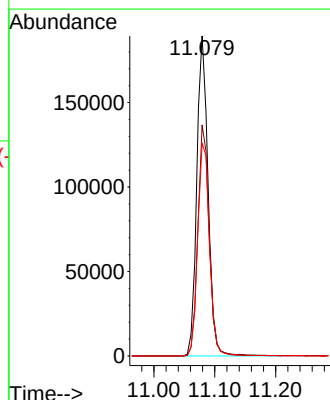
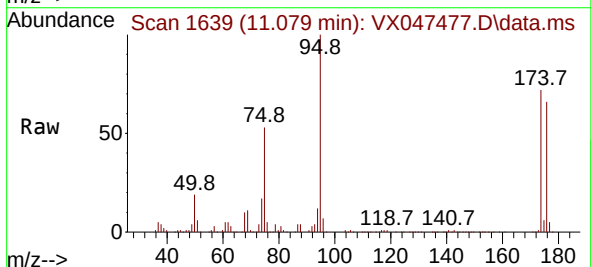
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

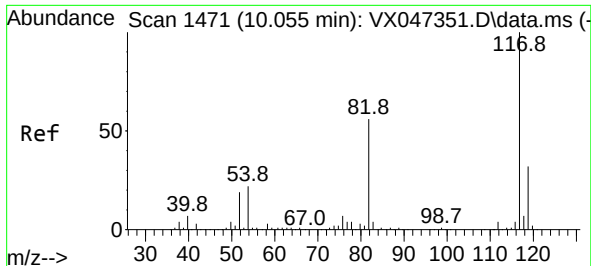
Tgt Ion: 63 Resp: 47
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 59.690 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 95 Resp: 242848
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 69.6 0.0 145.4

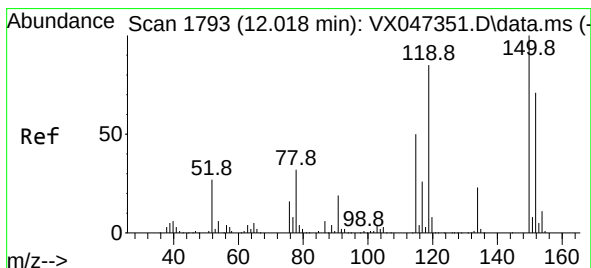
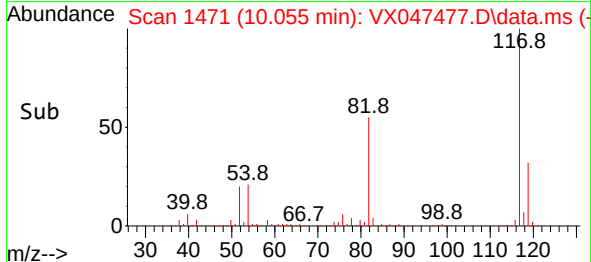
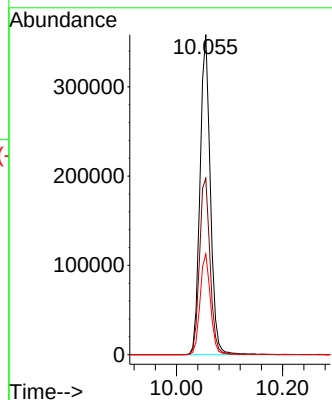
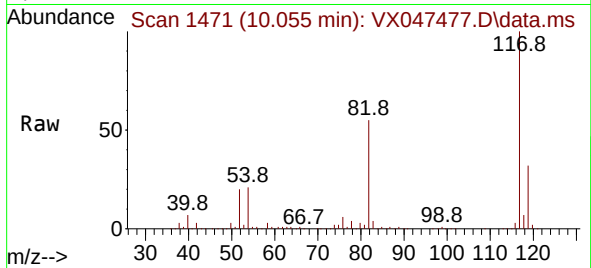




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

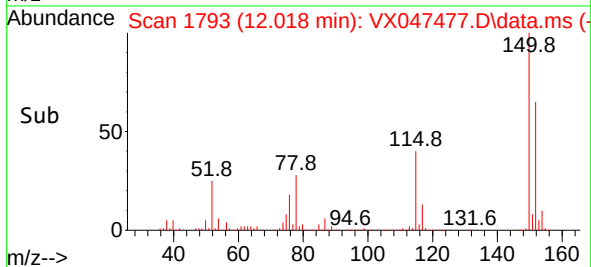
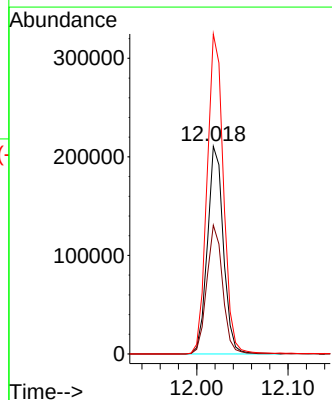
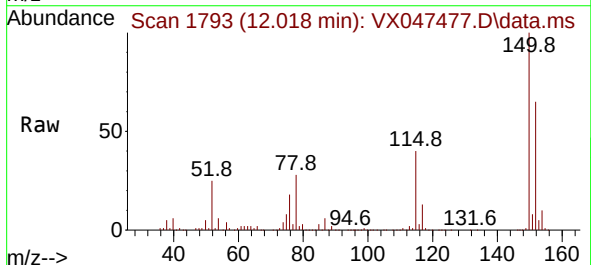
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

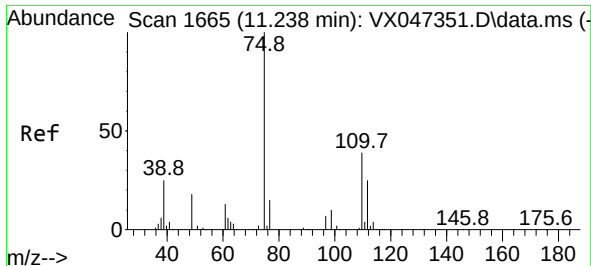
Tgt Ion:117 Resp: 485974
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion:152 Resp: 254819
Ion Ratio Lower Upper
152 100
115 61.8 44.6 133.8
150 157.8 0.0 349.8

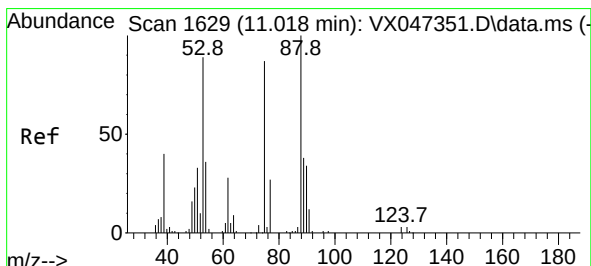
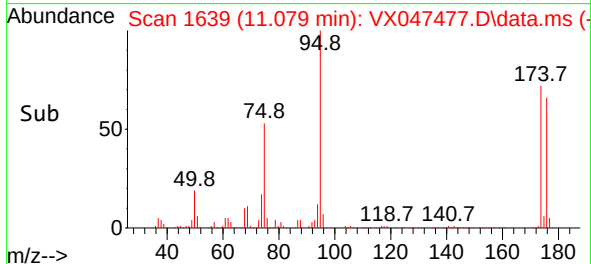
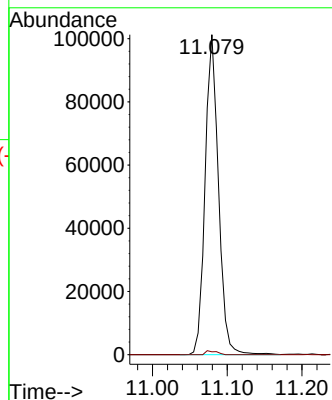
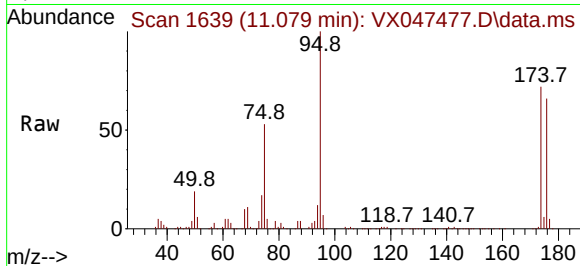




#76
1,2,3-Trichloropropane
Concen: 26.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

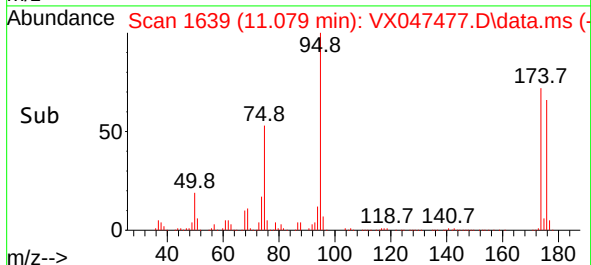
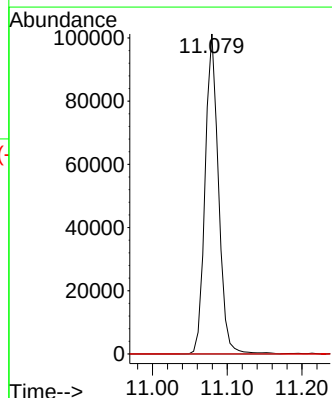
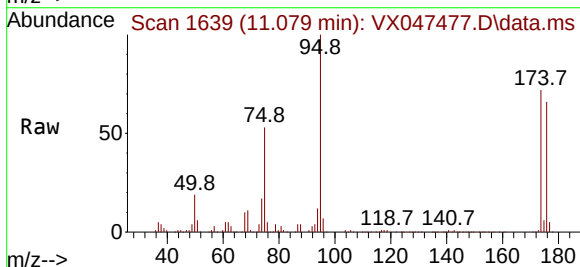
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSMS

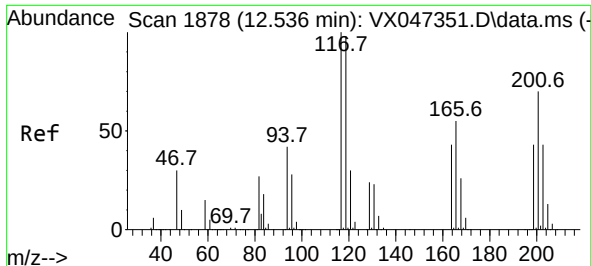
Tgt Ion: 75 Resp: 125724
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047477.D
Acq: 21 Aug 2025 17:39

Tgt Ion: 75 Resp: 125724
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

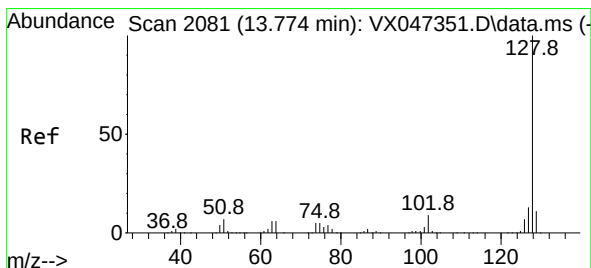
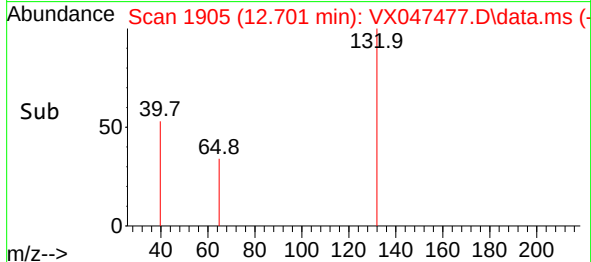
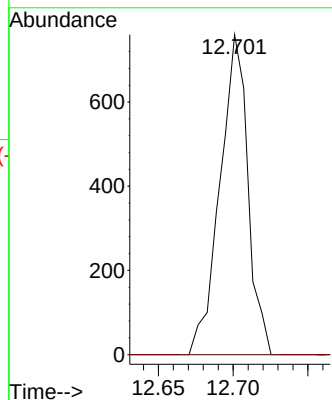
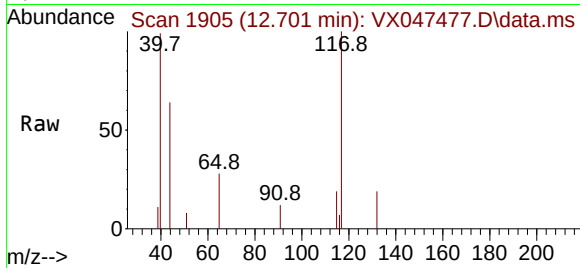




#90
 Hexachloroethane
 Concen: 0.328 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.165 min
 Lab File: VX047477.D
 Acq: 21 Aug 2025 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 Q2903-03MSMS

Tgt Ion:117 Resp: 987
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.1 105.3#



#95
 Naphthalene
 Concen: 0.337 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX047477.D
 Acq: 21 Aug 2025 17:39

Tgt Ion:128 Resp: 5705
 Ion Ratio Lower Upper
 128 100
 127 10.5 10.1 15.1
 129 10.1 8.7 13.1

