

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047478.D
 Acq On : 21 Aug 2025 18:00
 Operator : JC/MD
 Sample : Q2903-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Q2903-03MSDMSD

Quant Time: Aug 22 03:52:36 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)

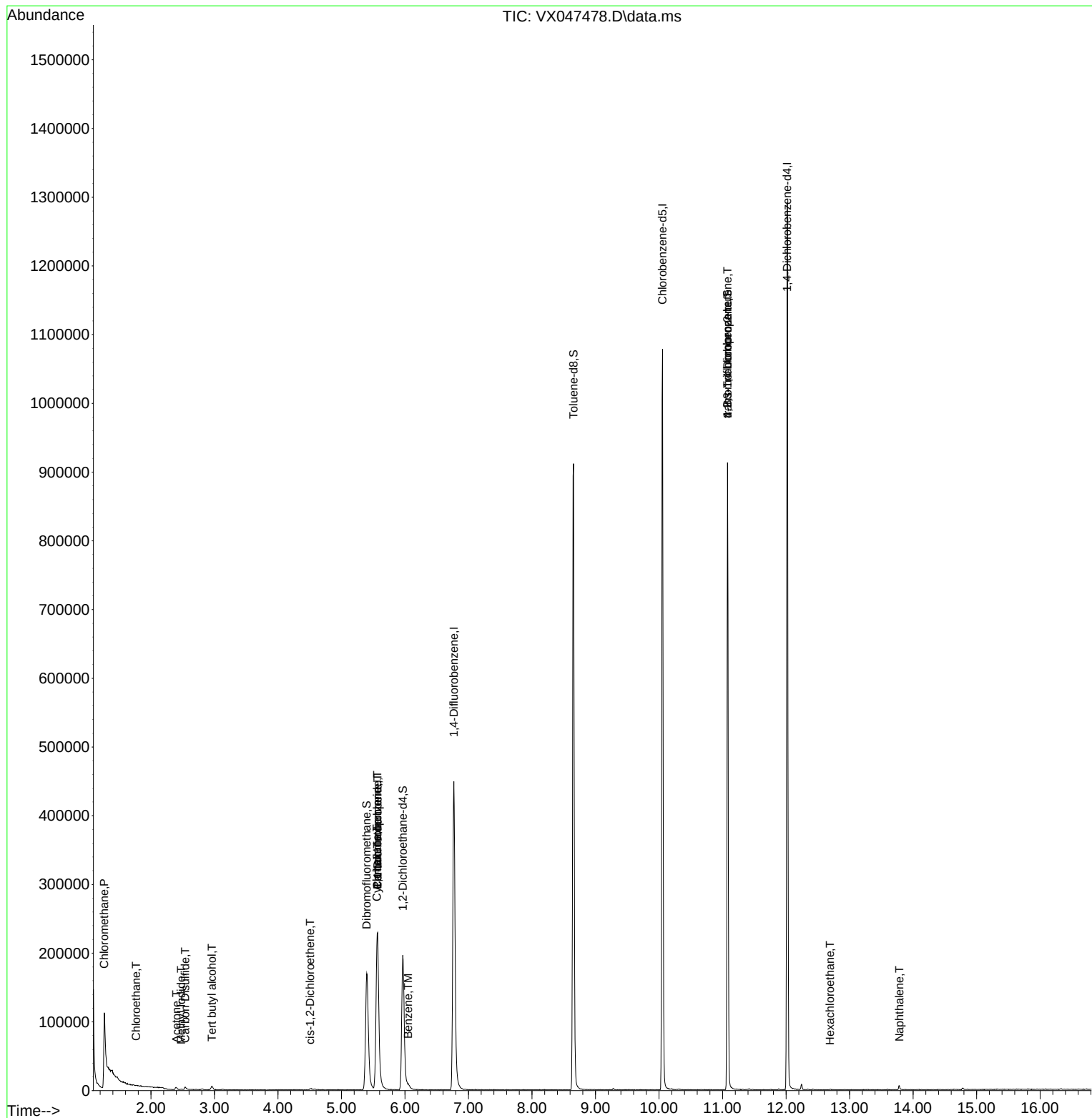
Internal Standards						
1) Pentafluorobenzene	5.562	168	228021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	482750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	258767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	204686	64.140	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 128.280%#			
35) Dibromofluoromethane	5.397	113	162484	52.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.400%			
50) Toluene-d8	8.653	98	562362	51.027	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.060%			
62) 4-Bromofluorobenzene	11.079	95	242380	59.598	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.200%			
Target Compounds						Qvalue
3) Chloromethane	1.264	50	3886	1.486	ug/l #	41
6) Chloroethane	1.764	64	789	0.393	ug/l #	60
10) Methyl Iodide	2.477	142	1338	0.277	ug/l #	89
11) Tert butyl alcohol	2.959	59	2783	10.025	ug/l #	72
16) Acetone	2.398	43	4320	3.601	ug/l #	87
17) Carbon Disulfide	2.538	76	2891	0.334	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	1260	0.355	ug/l	90
31) Cyclohexane	5.556	56	5138	1.000	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	19804	4.069	ug/l #	51
38) Carbon Tetrachloride	5.562	117	25104	4.720	ug/l #	16
40) Benzene	6.050	78	6228	0.427	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	125879	26.523	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	125879	105.020	ug/l #	7
90) Hexachloroethane	12.695	117	746	0.244	ug/l #	15
95) Naphthalene	13.786	128	5307	0.309	ug/l #	90

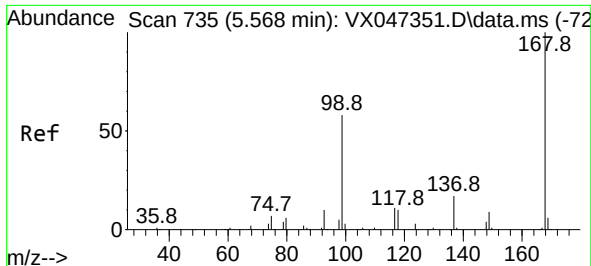
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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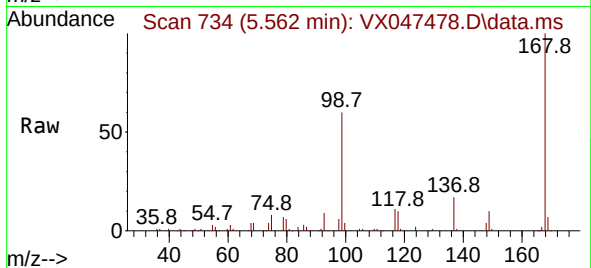
Quant Time: Aug 22 03:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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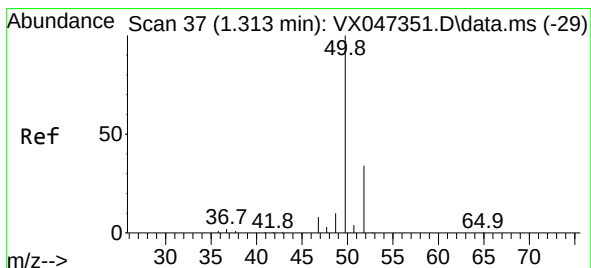
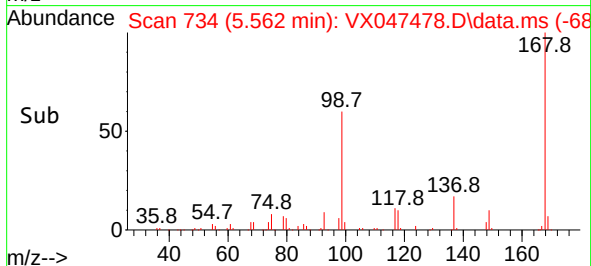
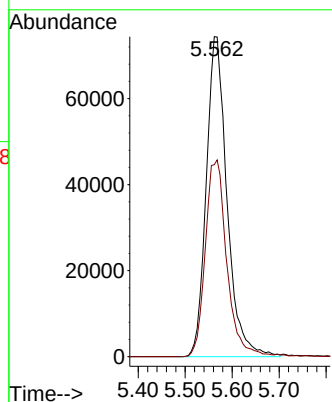


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD

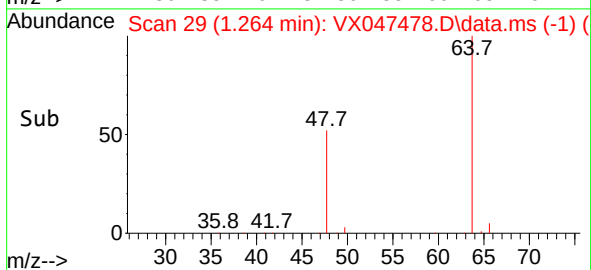
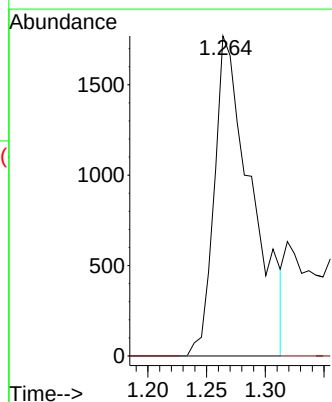
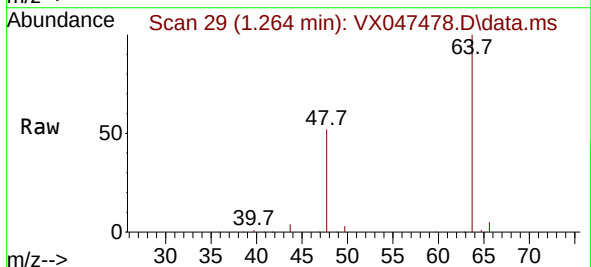


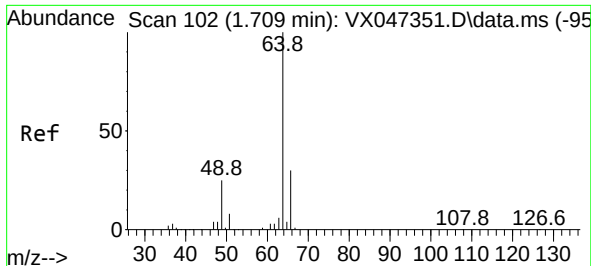
Tgt Ion:168 Resp: 228021
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#3
Chloromethane
Concen: 1.486 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 50 Resp: 3886
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

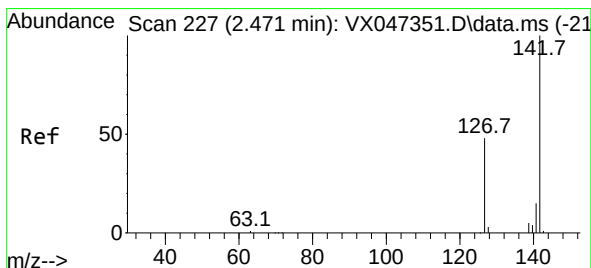
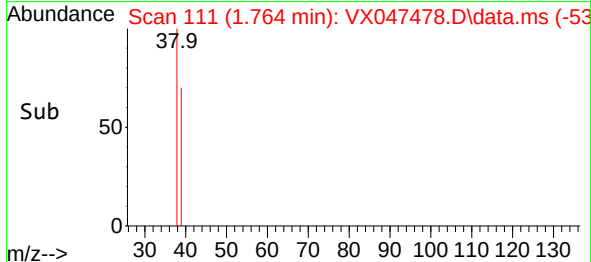
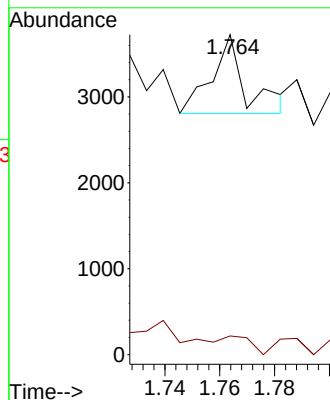
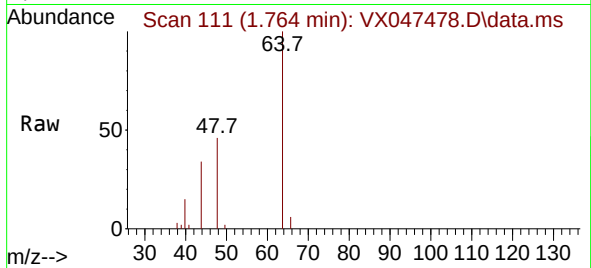




#6
Chloroethane
Concen: 0.393 ug/l
RT: 1.764 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

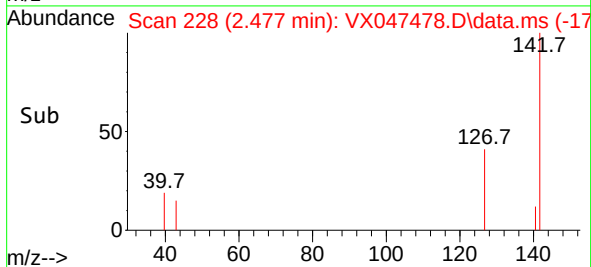
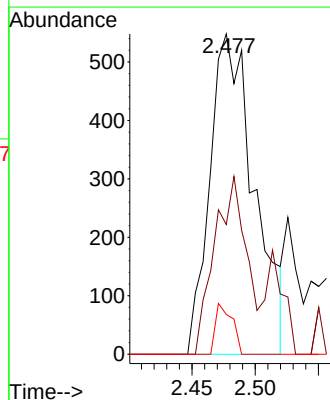
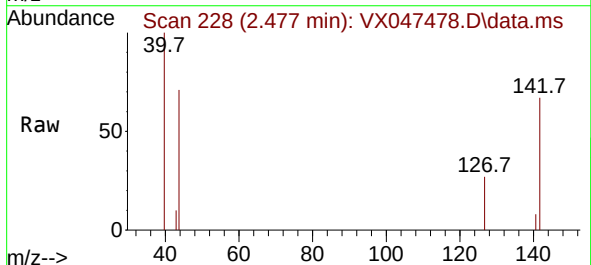
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD

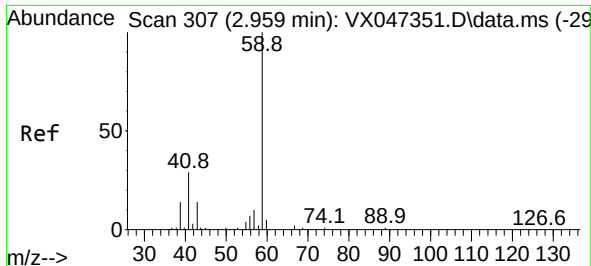
Tgt Ion: 64 Resp: 789
Ion Ratio Lower Upper
64 100
66 8.5 24.4 36.6#



#10
Methyl Iodide
Concen: 0.277 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 142 Resp: 1338
Ion Ratio Lower Upper
142 100
127 39.8 36.1 54.1
141 5.9 11.1 16.7#





#11

Tert butyl alcohol

Concen: 10.025 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047478.D

Acq: 21 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

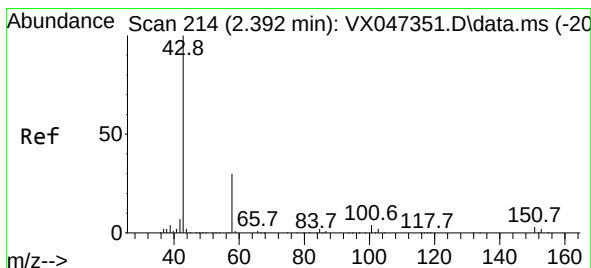
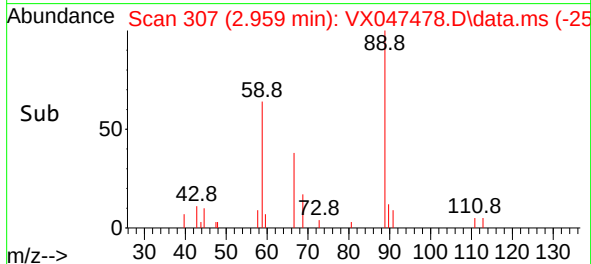
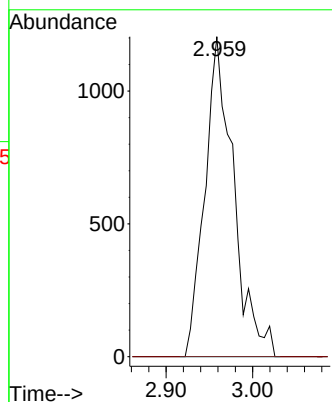
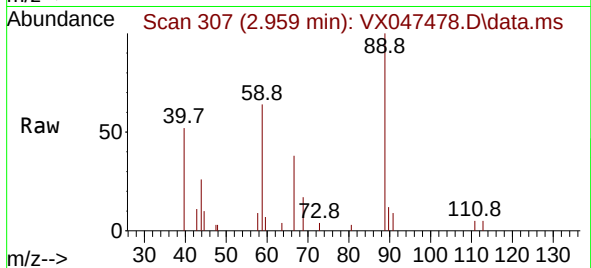
Q2903-03MSDMSD

Tgt Ion: 59 Resp: 2783

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.601 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047478.D

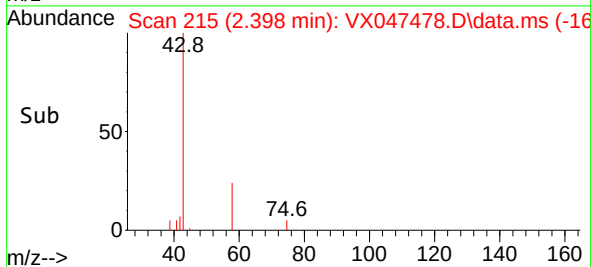
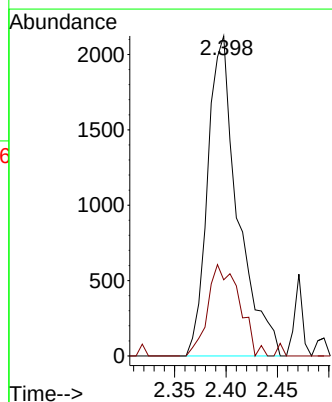
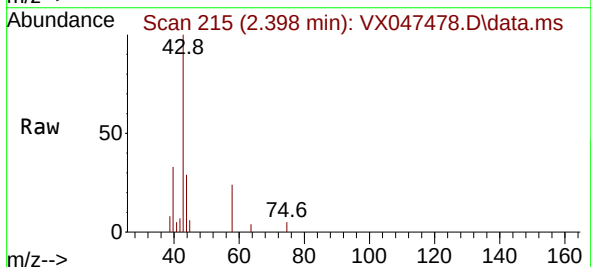
Acq: 21 Aug 2025 18:00

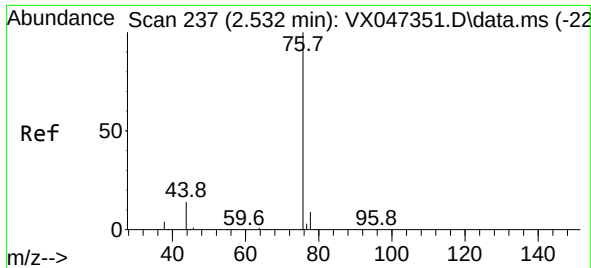
Tgt Ion: 43 Resp: 4320

Ion Ratio Lower Upper

43 100

58 23.8 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.334 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047478.D

Acq: 21 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

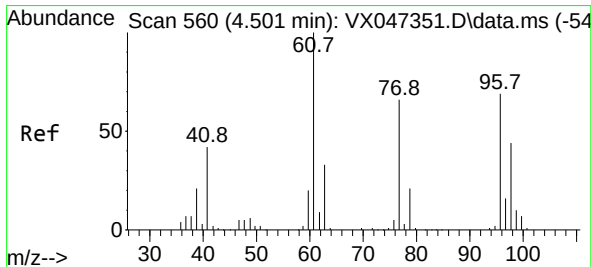
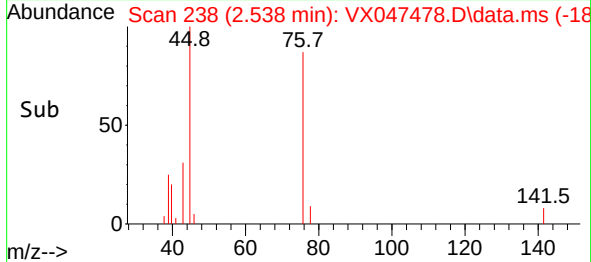
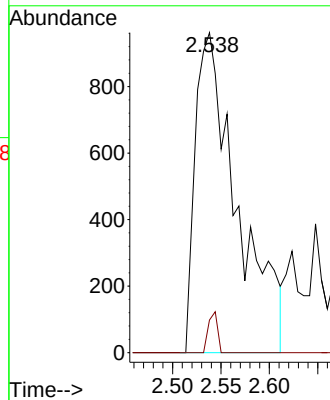
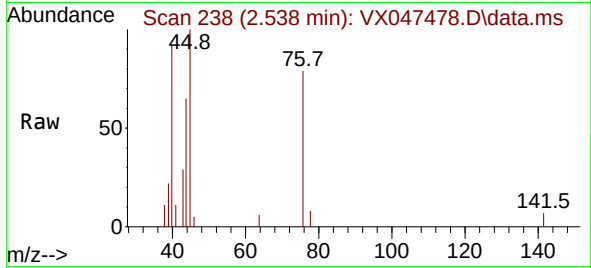
Q2903-03MSDMSD

Tgt Ion: 76 Resp: 2891

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8



#27

cis-1,2-Dichloroethene

Concen: 0.355 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.006 min

Lab File: VX047478.D

Acq: 21 Aug 2025 18:00

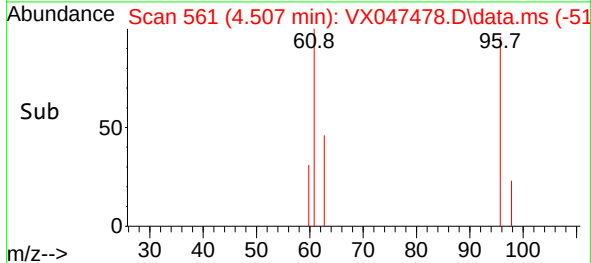
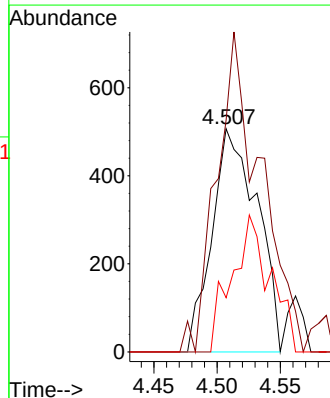
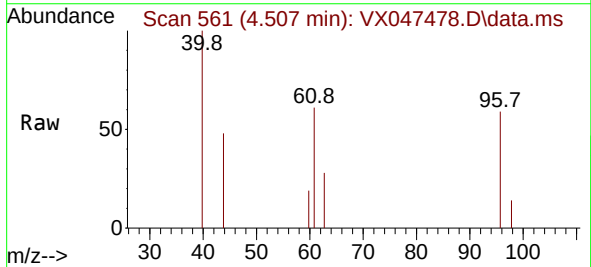
Tgt Ion: 96 Resp: 1260

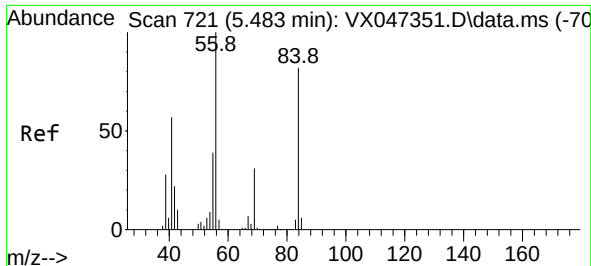
Ion Ratio Lower Upper

96 100

61 139.9 0.0 296.6

98 52.1 0.0 130.4

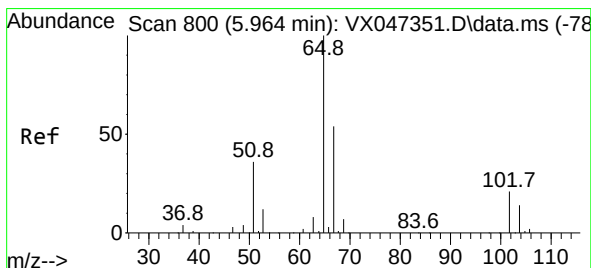
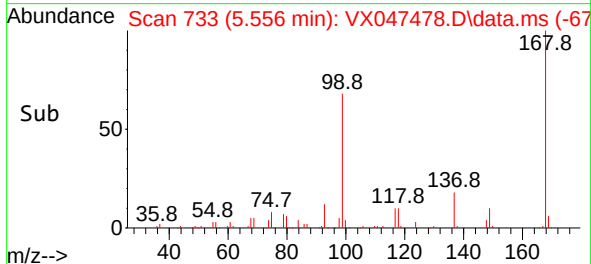
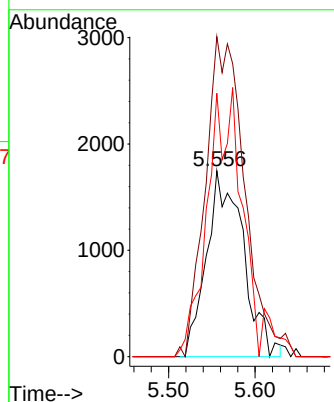
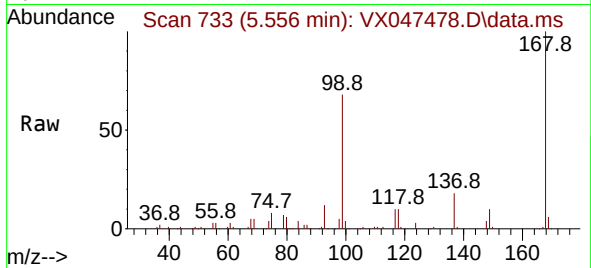




#31
Cyclohexane
Concen: 1.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.073 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

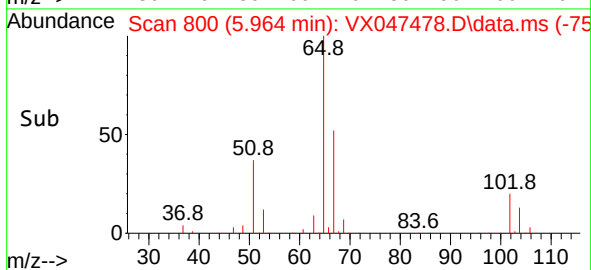
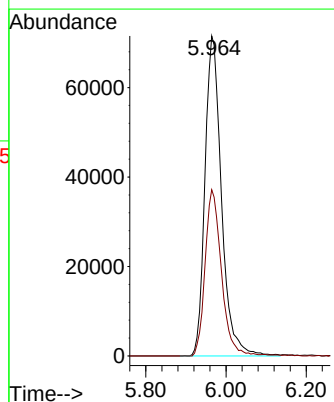
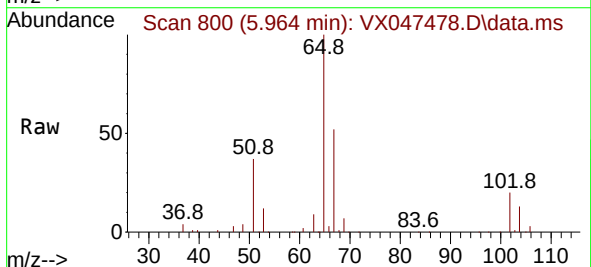
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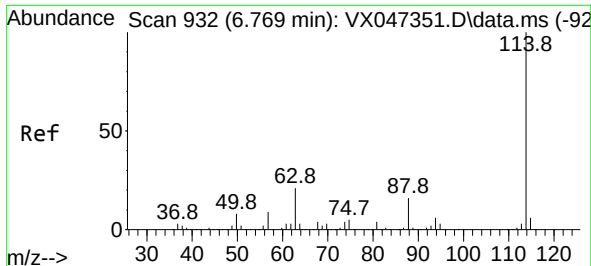
Tgt Ion: 56 Resp: 5138
Ion Ratio Lower Upper
56 100
69 166.8 24.3 36.5#
84 138.2 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 64.140 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 65 Resp: 204686
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.0

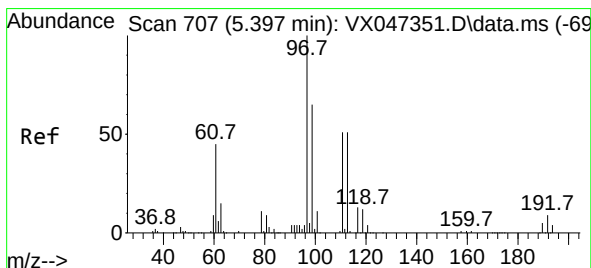
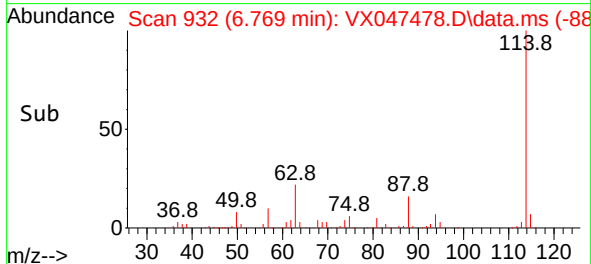
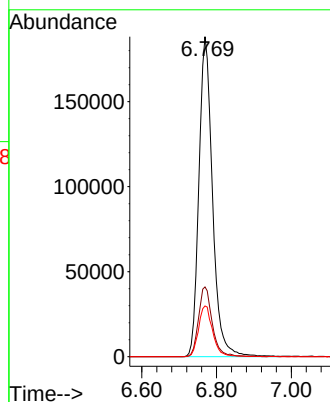
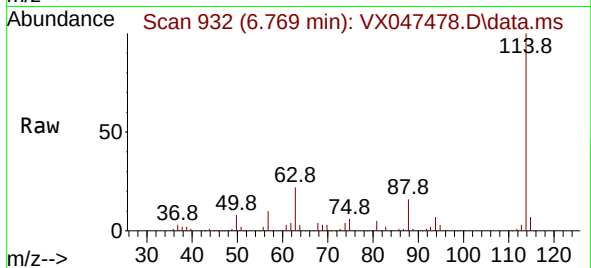




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

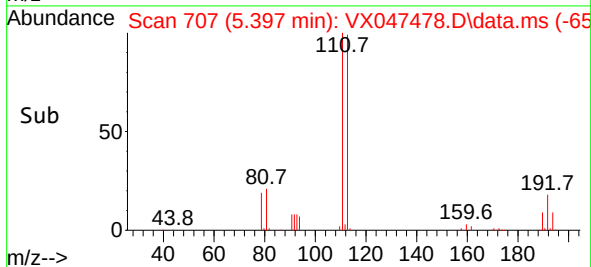
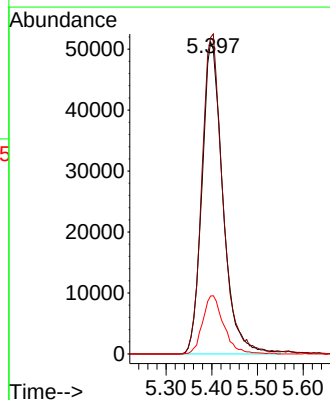
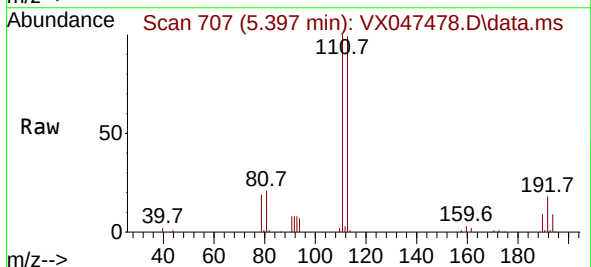
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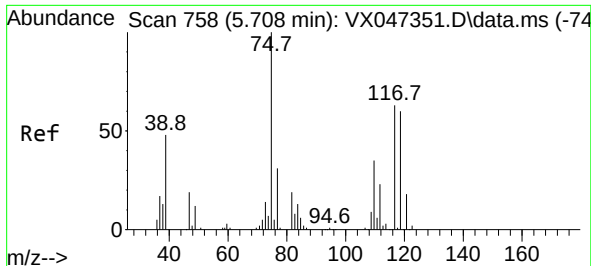
Tgt Ion:114 Resp: 475090
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.4
88 15.8 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.697 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion:113 Resp: 162484
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.2
192 18.8 14.1 21.1

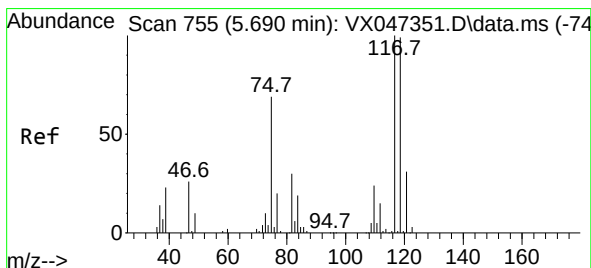
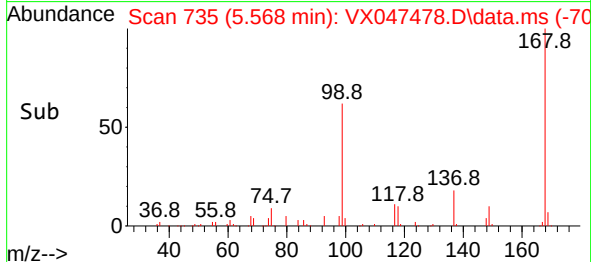
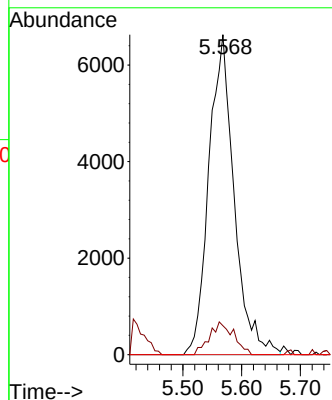
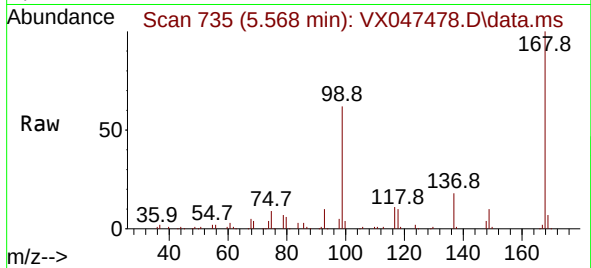




#36
1,1-Dichloropropene
Concen: 4.069 ug/l
RT: 5.568 min Scan# 718
Delta R.T. -0.140 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

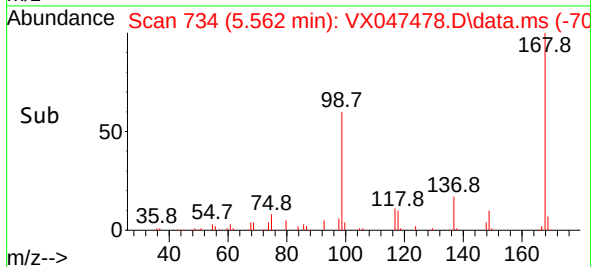
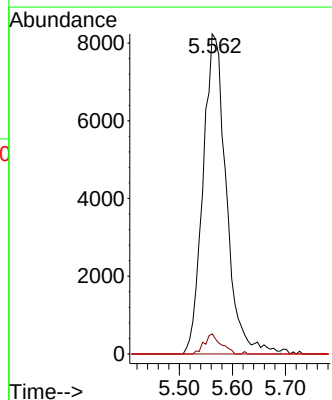
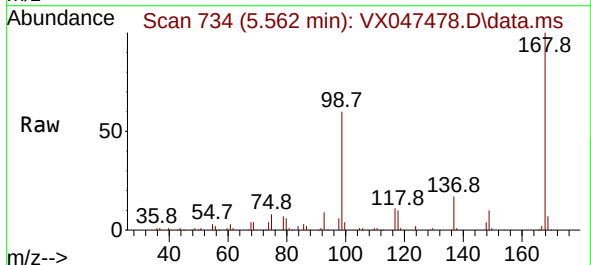
Instrument :
MSVOA_X
ClientSampleId :
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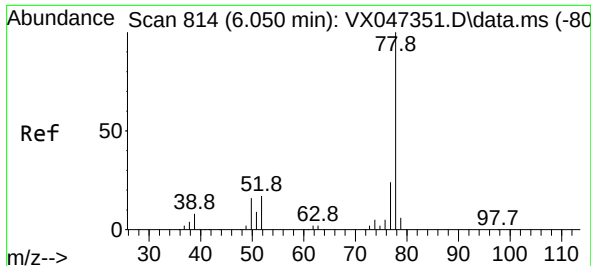
Tgt Ion: 75 Resp: 19804
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 117 Resp: 25104
Ion Ratio Lower Upper
117 100
119 6.3 78.5 117.7#
121 0.0 24.7 37.1#

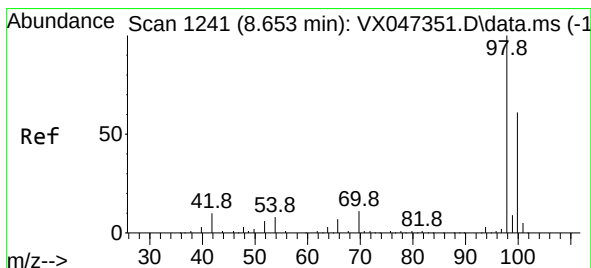
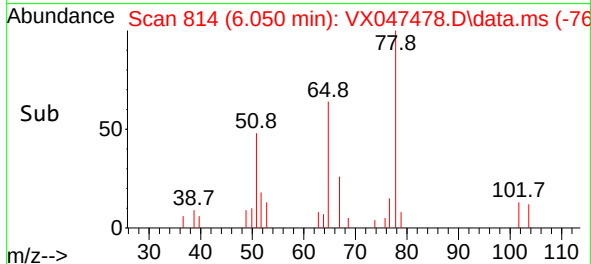
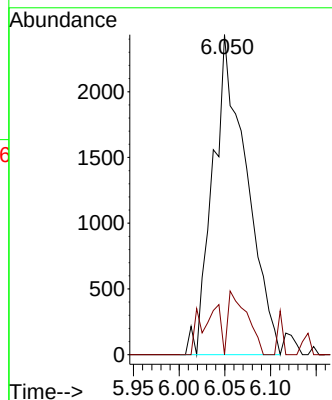
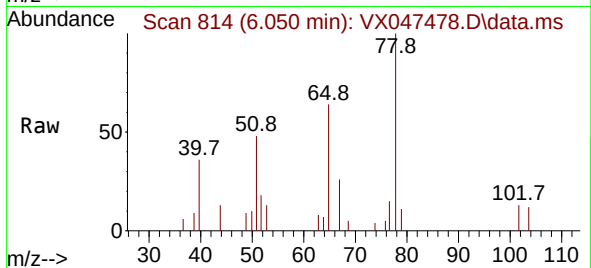




#40
Benzene
Concen: 0.427 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

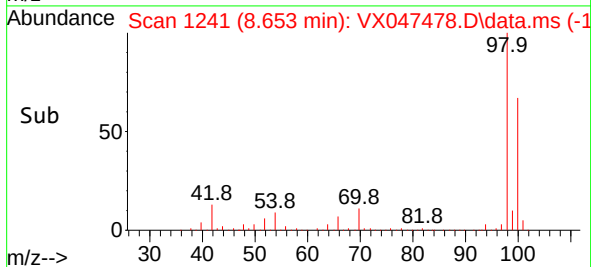
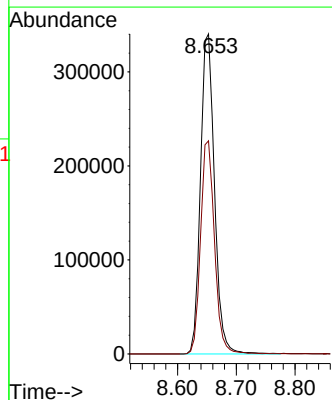
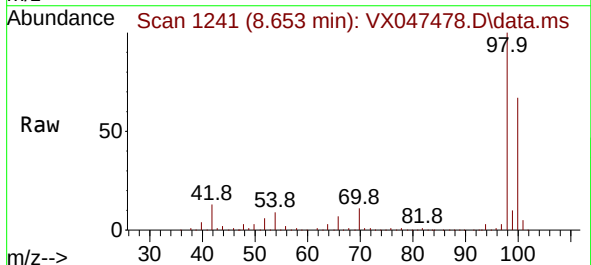
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD

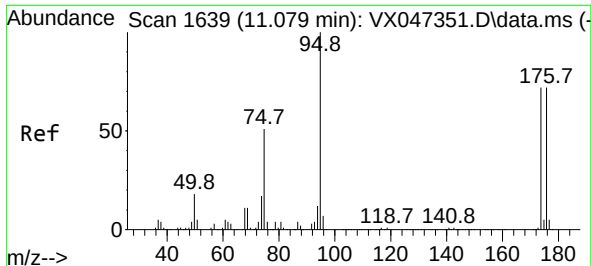
Tgt Ion: 78 Resp: 6228
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#



#50
Toluene-d8
Concen: 51.027 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 98 Resp: 562362
Ion Ratio Lower Upper
98 100
100 66.4 53.9 80.9

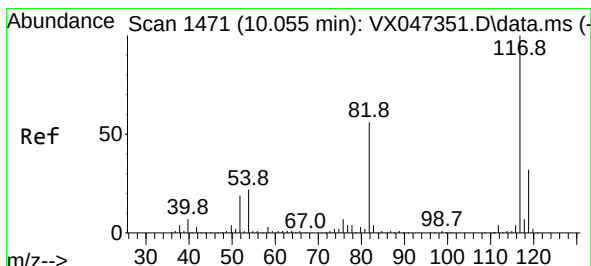
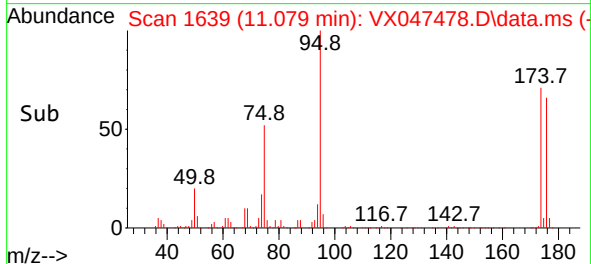
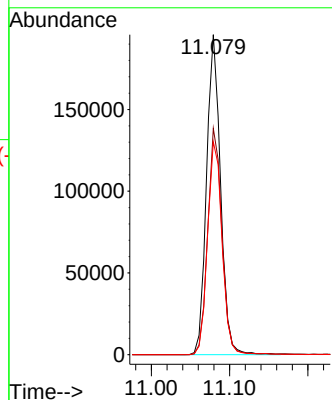
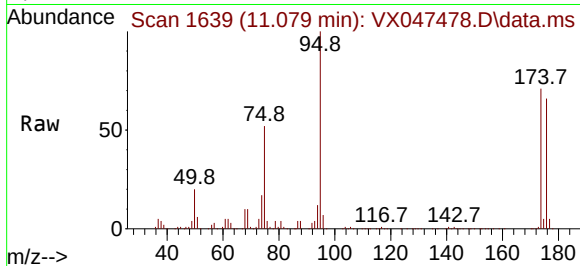




#62
4-Bromofluorobenzene
Concen: 59.598 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

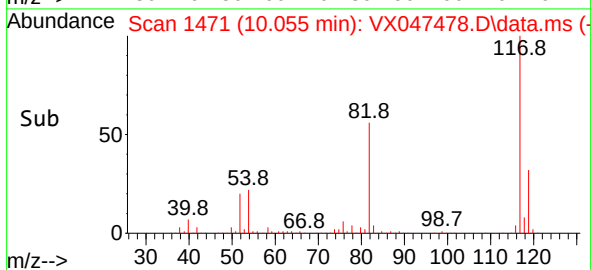
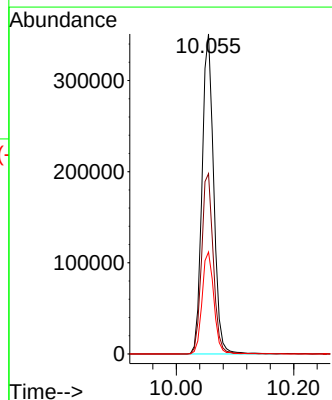
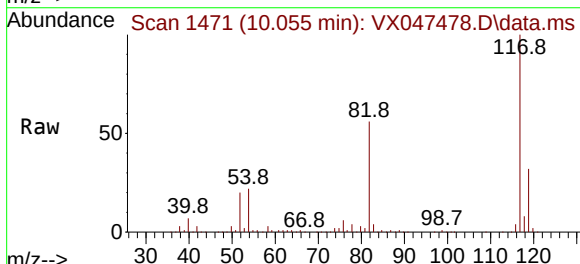
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD

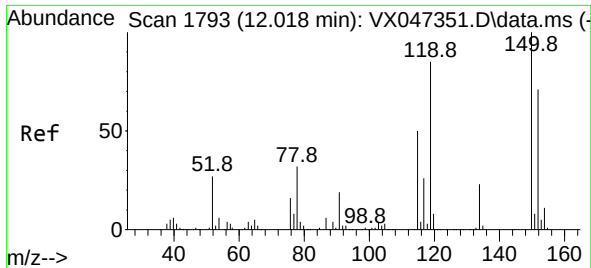
Tgt Ion: 95 Resp: 242380
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 69.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Tgt Ion: 117 Resp: 482750
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 31.8 25.8 38.8

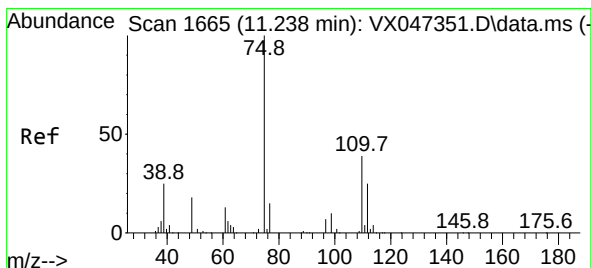
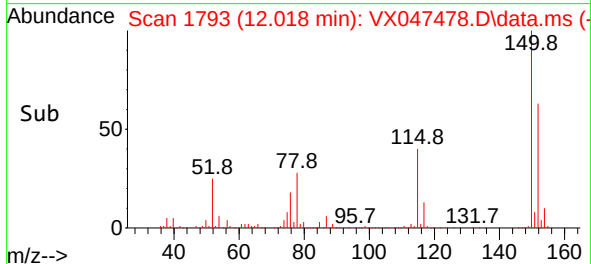
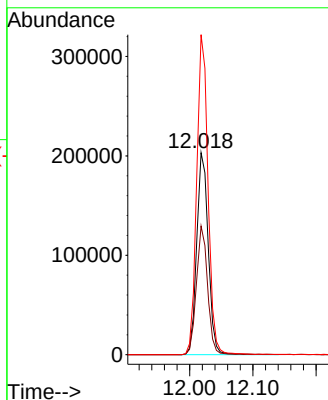
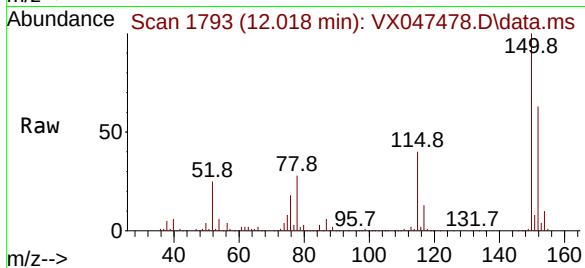




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047478.D
 Acq: 21 Aug 2025 18:00

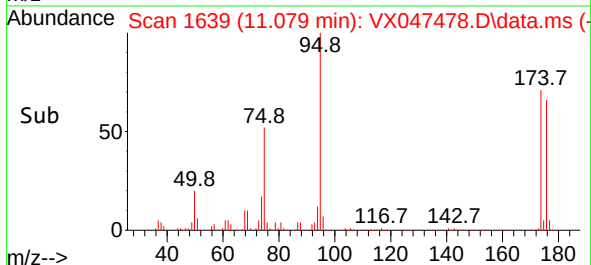
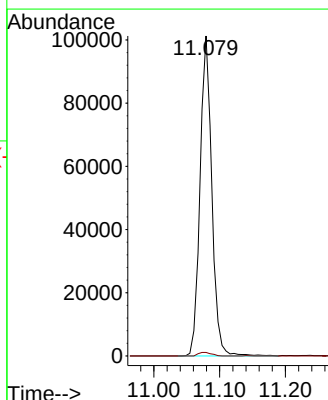
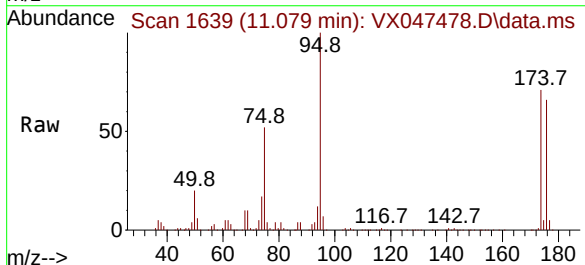
Instrument :
 MSVOA_X
 ClientSampleId :
 Q2903-03MSDMSD

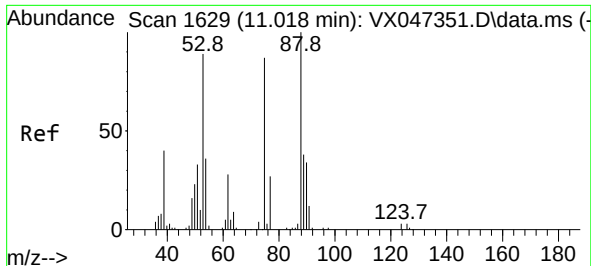
Tgt Ion:152 Resp: 258767
 Ion Ratio Lower Upper
 152 100
 115 61.7 44.6 133.8
 150 155.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.523 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047478.D
 Acq: 21 Aug 2025 18:00

Tgt Ion: 75 Resp: 125879
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

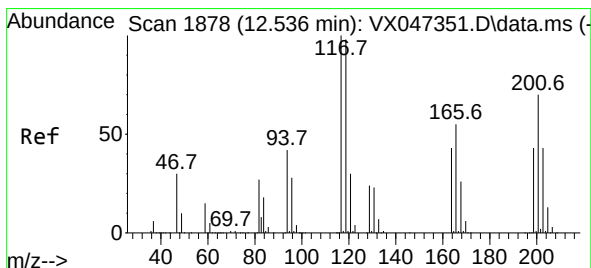
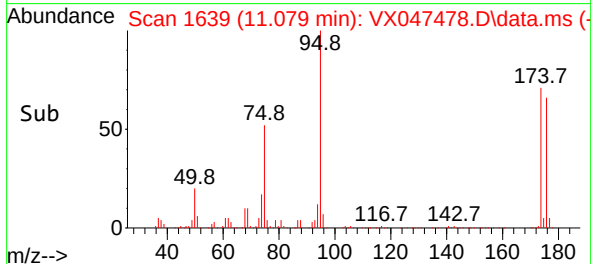
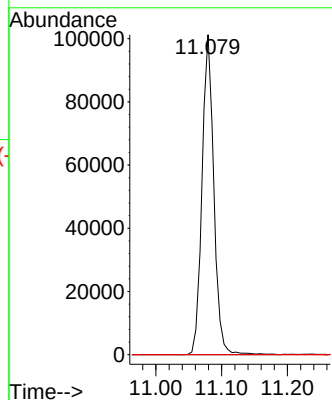
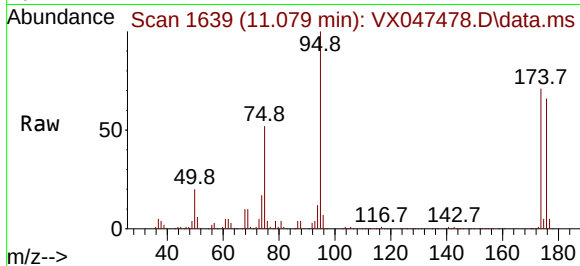




#81
trans-1,4-Dichloro-2-butene
Concen: 105.020 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

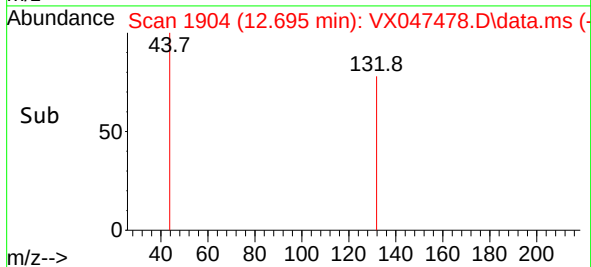
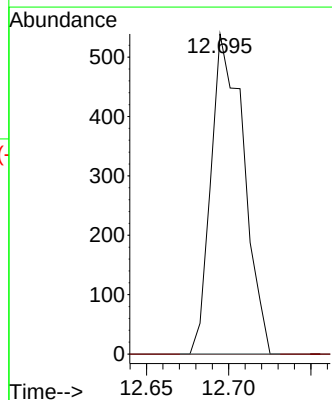
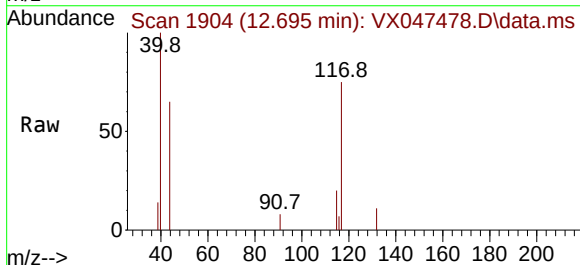
Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD

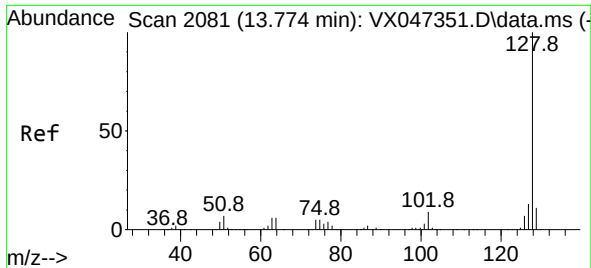
Tgt Ion: 75 Resp: 125879
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#90
Hexachloroethane
Concen: 0.244 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.159 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

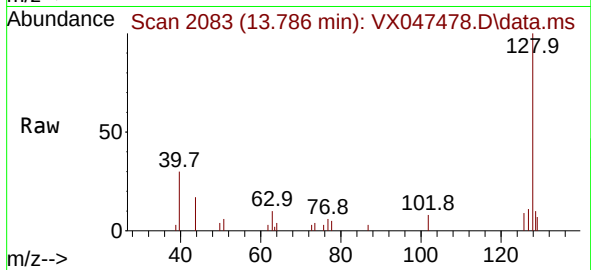
Tgt Ion: 117 Resp: 746
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.3#





#95
Naphthalene
Concen: 0.309 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX047478.D
Acq: 21 Aug 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
Q2903-03MSDMSD



Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.1	15.1#
129	7.7	8.7	13.1#

