

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047378.D
 Acq On : 18 Aug 2025 13:48
 Operator : JC/MD
 Sample : Q2815-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10PC-W

Quant Time: Aug 19 01:42:08 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)

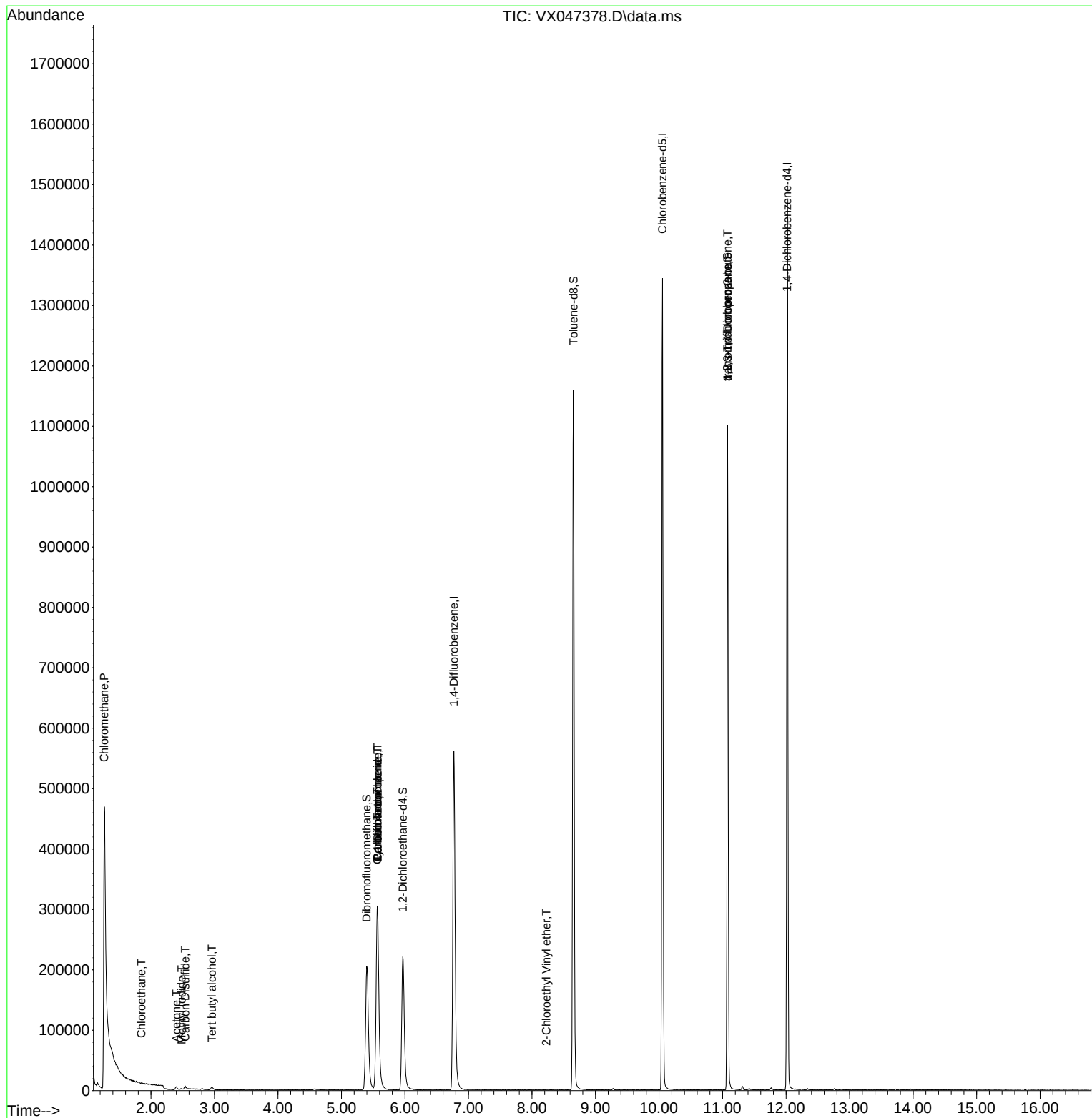
Internal Standards						
1) Pentafluorobenzene	5.568	168	302793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	599218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	594774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	292088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	231927	54.730	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.460%	
35) Dibromofluoromethane	5.397	113	196571	50.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.100%	
50) Toluene-d8	8.653	98	705715	50.770	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	11.079	95	286508	55.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	19532	5.625	ug/l #	41
6) Chloroethane	1.849	64	2478	0.929	ug/l #	51
10) Methyl Iodide	2.483	142	2556	0.399	ug/l #	86
11) Tert butyl alcohol	2.959	59	1882	5.105	ug/l #	72
16) Acetone	2.398	43	6754	4.240	ug/l #	81
17) Carbon Disulfide	2.538	76	7549	0.656	ug/l	100
31) Cyclohexane	5.562	56	6533	0.958	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	24732	4.029	ug/l #	50
38) Carbon Tetrachloride	5.568	117	32406	4.830	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.226	63	23	8.363	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	148935	27.801	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	148935	109.701	ug/l #	7

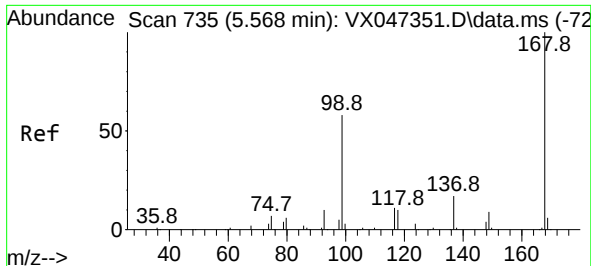
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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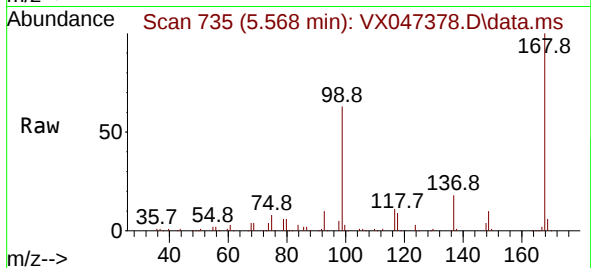
Quant Time: Aug 19 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
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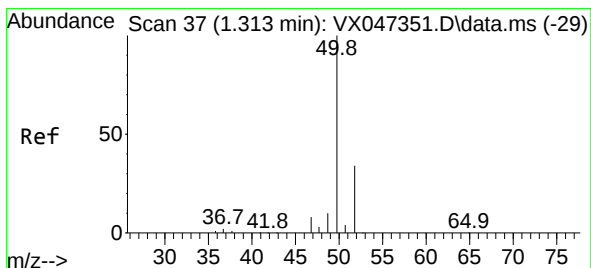
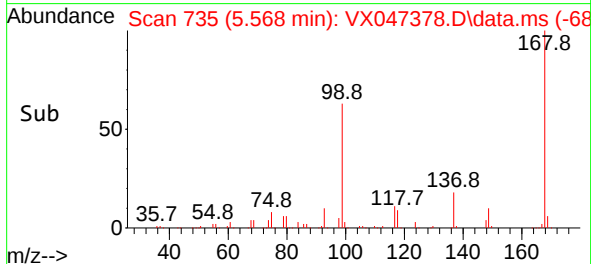
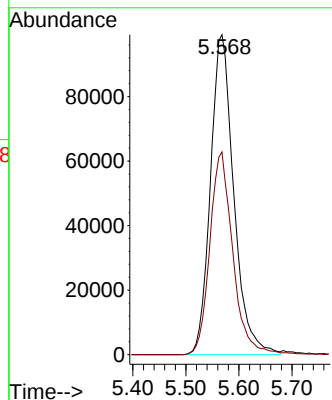


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

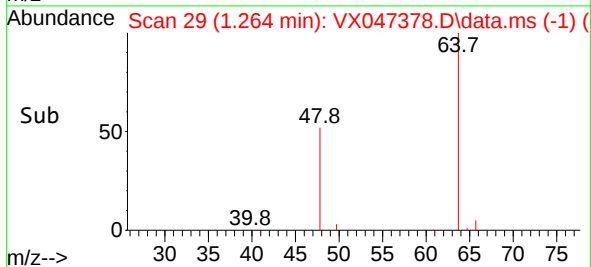
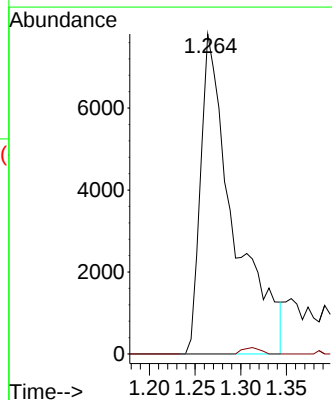
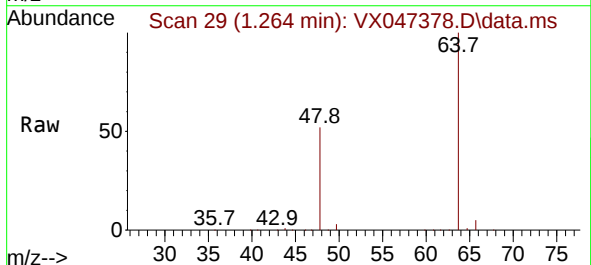


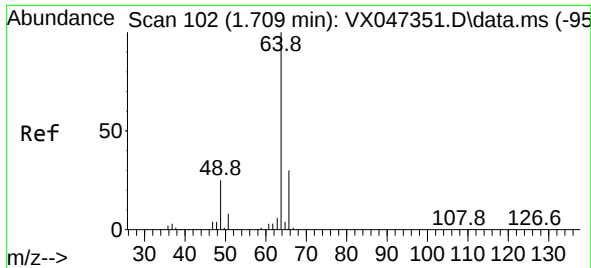
Tgt Ion:168 Resp: 302793
Ion Ratio Lower Upper
168 100
99 63.4 47.9 71.9



#3
Chloromethane
Concen: 5.625 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion: 50 Resp: 19532
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4

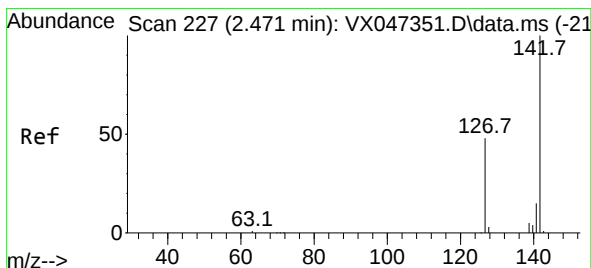
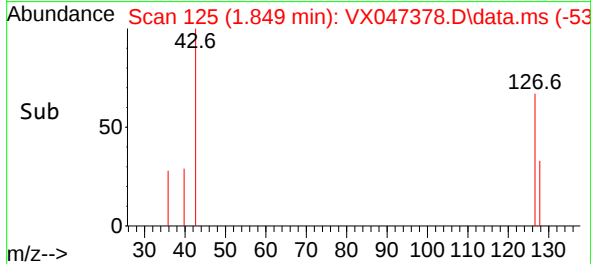
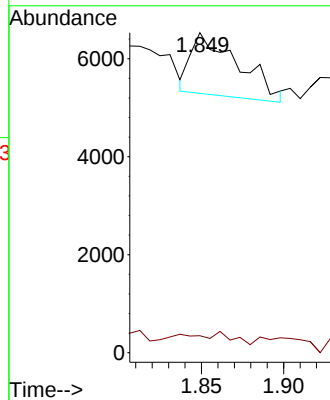
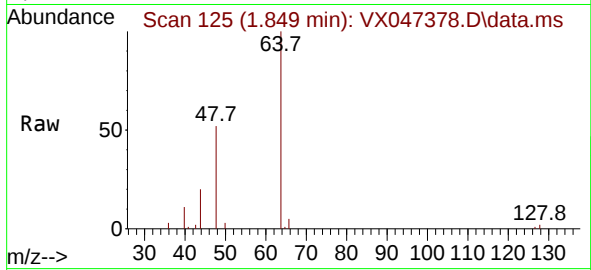




#6
Chloroethane
Concen: 0.929 ug/l
RT: 1.849 min Scan# 11
Delta R.T. 0.140 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

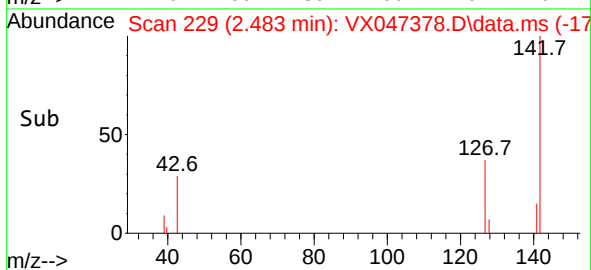
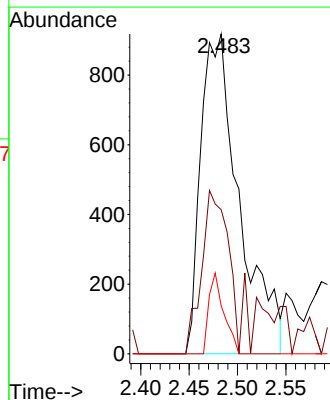
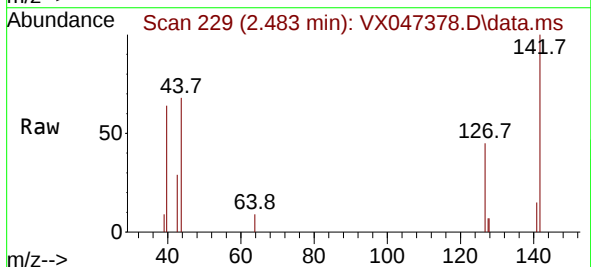
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

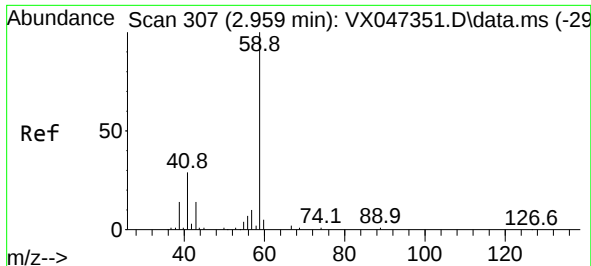
Tgt Ion: 64 Resp: 2478
Ion Ratio Lower Upper
64 100
66 3.7 24.4 36.6#



#10
Methyl Iodide
Concen: 0.399 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion:142 Resp: 2556
Ion Ratio Lower Upper
142 100
127 34.8 36.1 54.1#
141 9.8 11.1 16.7#





#11

Tert butyl alcohol

Concen: 5.105 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX047378.D

Acq: 18 Aug 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

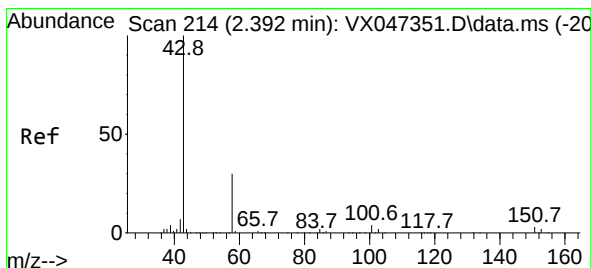
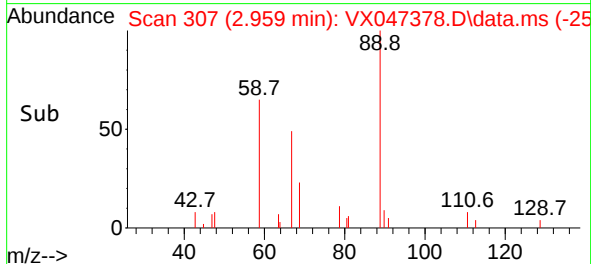
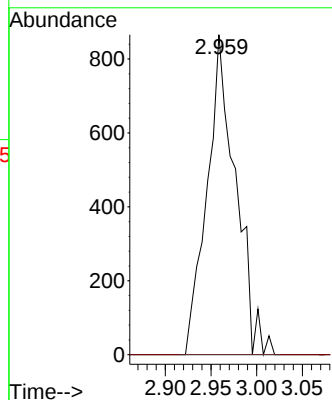
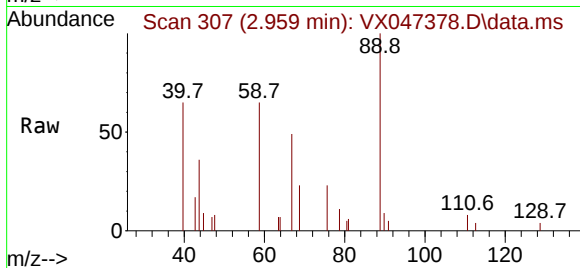
TW-10PC-W

Tgt Ion: 59 Resp: 1882

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 4.240 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047378.D

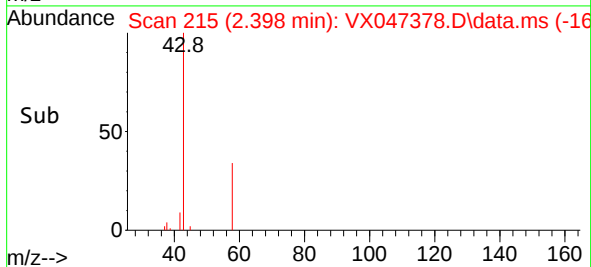
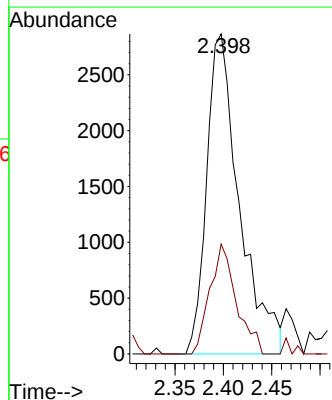
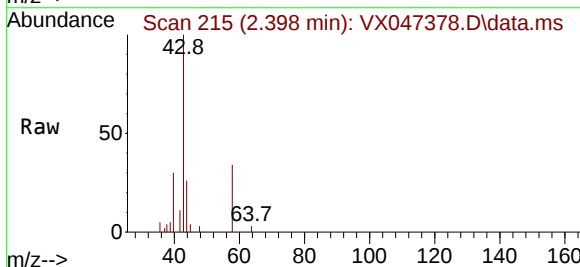
Acq: 18 Aug 2025 13:48

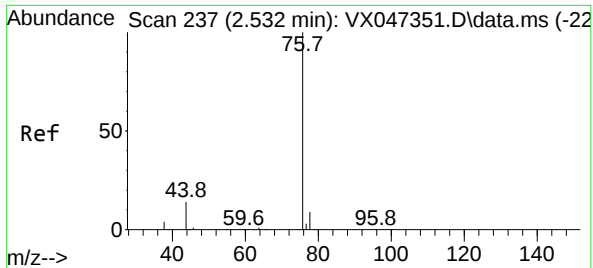
Tgt Ion: 43 Resp: 6754

Ion Ratio Lower Upper

43 100

58 41.7 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.656 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047378.D

Acq: 18 Aug 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

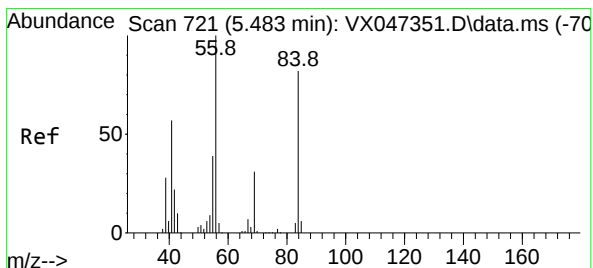
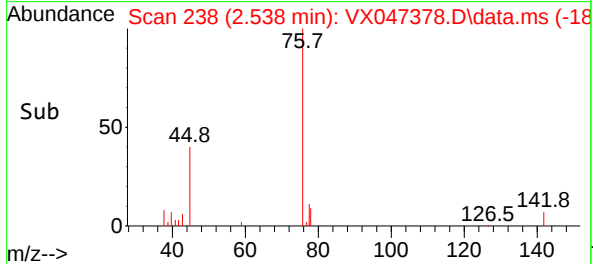
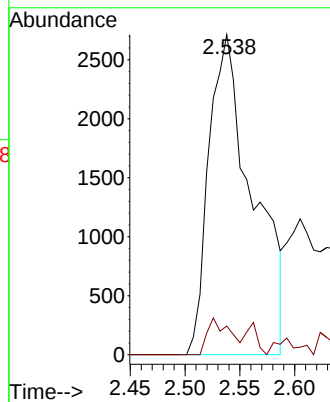
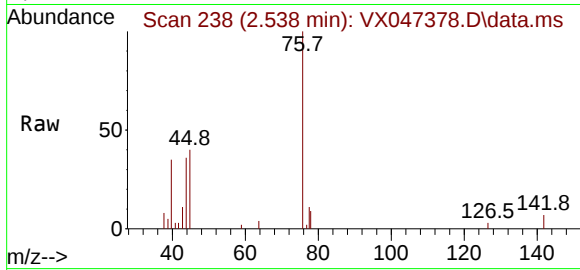
TW-10PC-W

Tgt Ion: 76 Resp: 7549

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#31

Cyclohexane

Concen: 0.958 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX047378.D

Acq: 18 Aug 2025 13:48

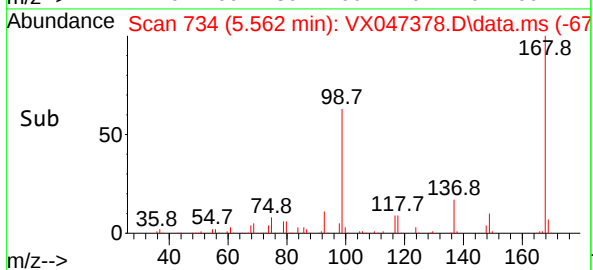
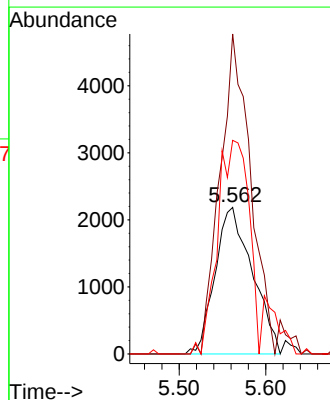
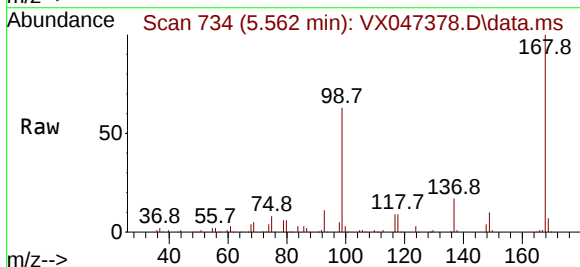
Tgt Ion: 56 Resp: 6533

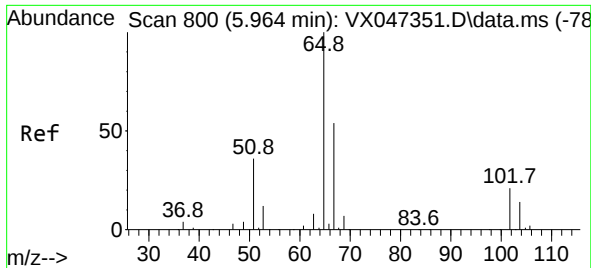
Ion Ratio Lower Upper

56 100

69 218.2 24.3 36.5#

84 145.6 65.3 97.9#

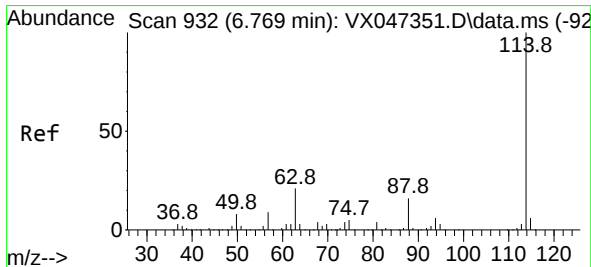
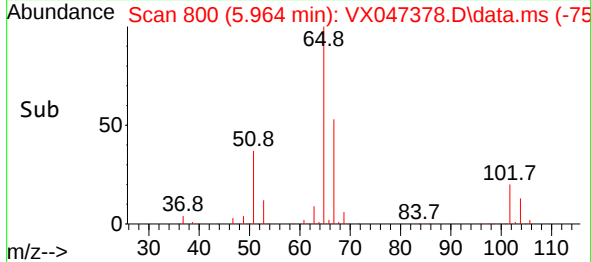
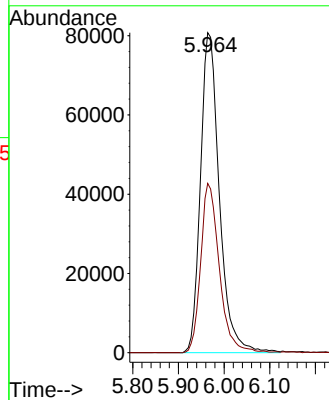
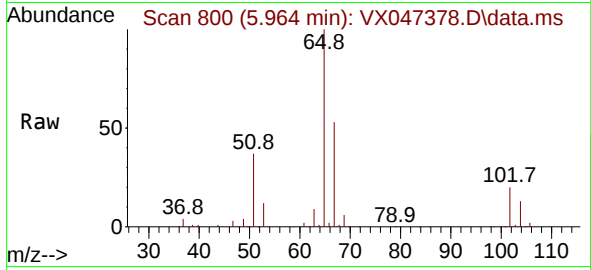




#33
 1,2-Dichloroethane-d4
 Concen: 54.730 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX047378.D
 Acq: 18 Aug 2025 13:48

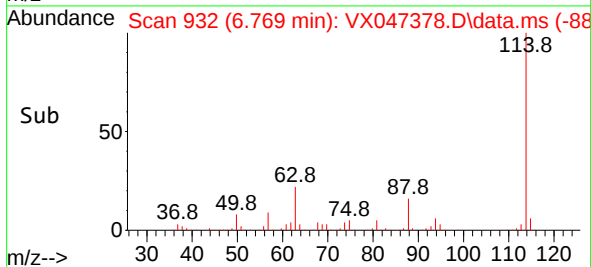
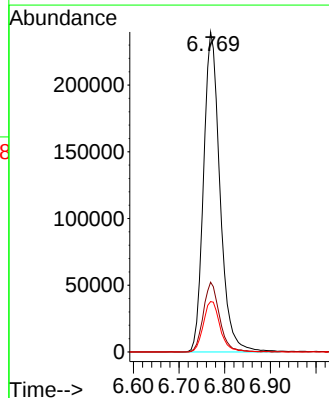
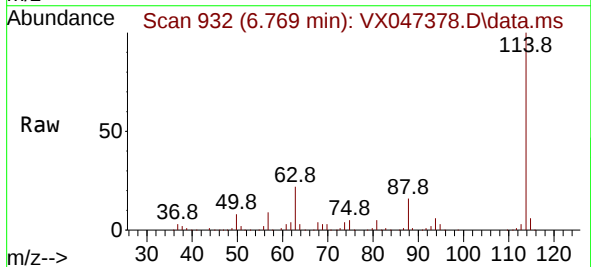
Instrument :
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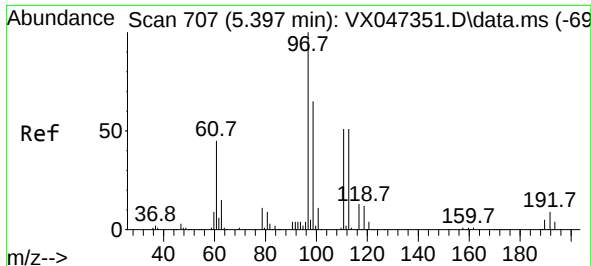
Tgt Ion: 65 Resp: 231927
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX047378.D
 Acq: 18 Aug 2025 13:48

Tgt Ion: 114 Resp: 599218
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 15.8 0.0 33.0

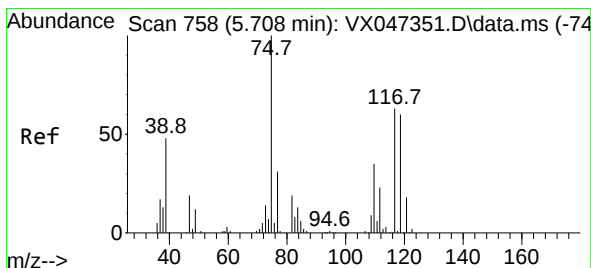
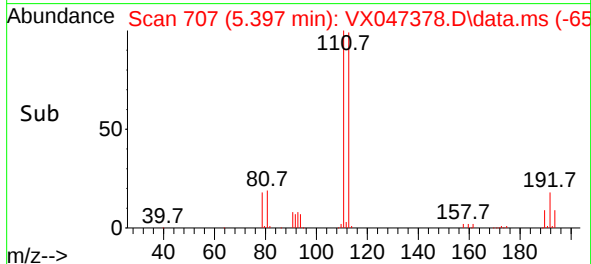
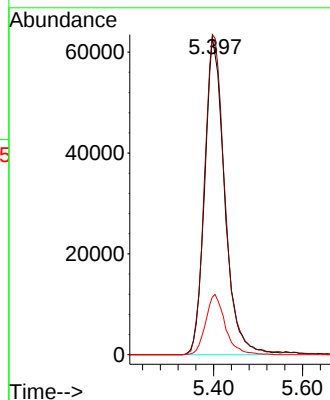
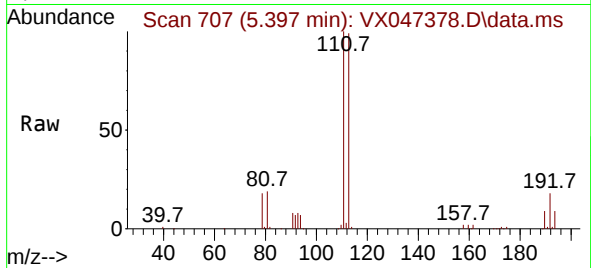




#35
Dibromofluoromethane
Concen: 50.546 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

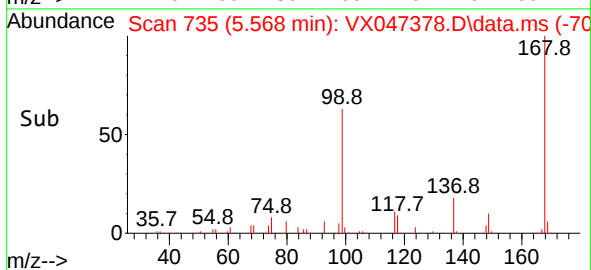
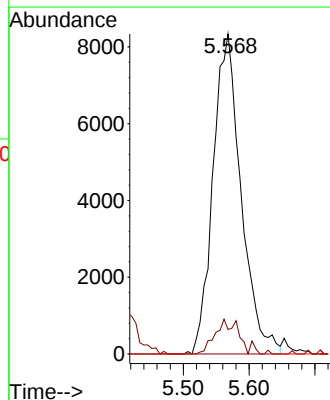
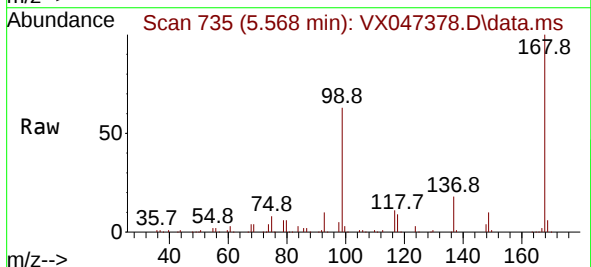
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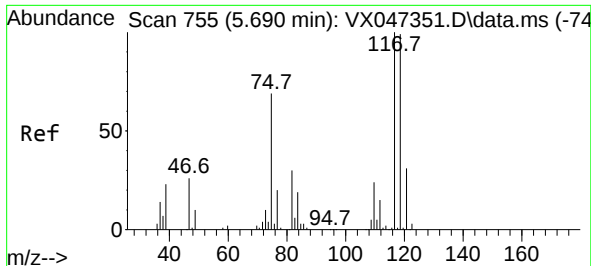
Tgt Ion:113 Resp: 196571
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.2
192 18.7 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

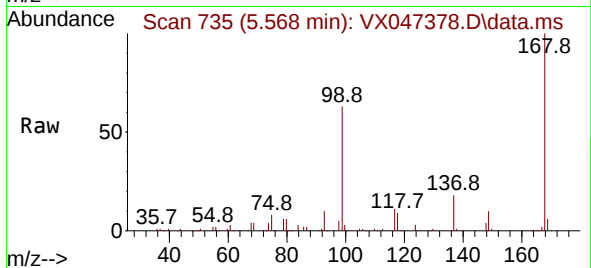
Tgt Ion: 75 Resp: 24732
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.2#
77 0.0 24.4 36.6#



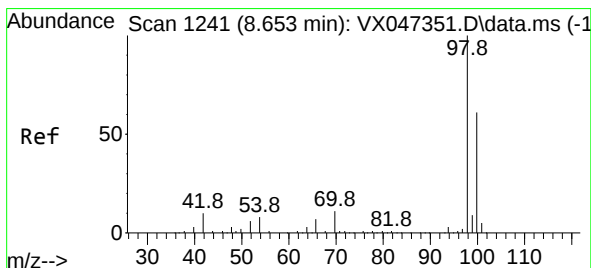
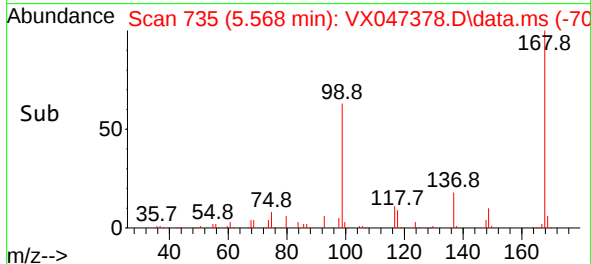
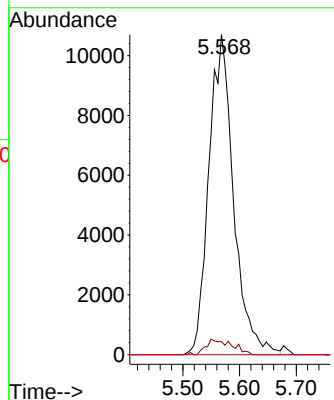


#38
Carbon Tetrachloride
Concen: 4.830 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

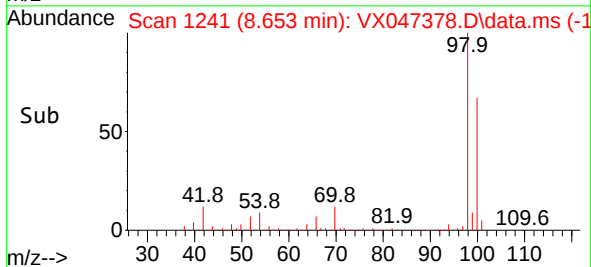
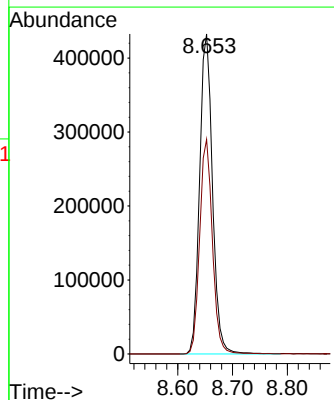
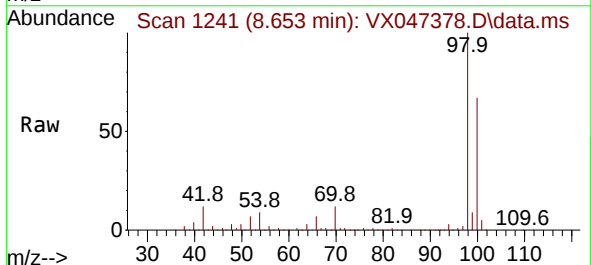


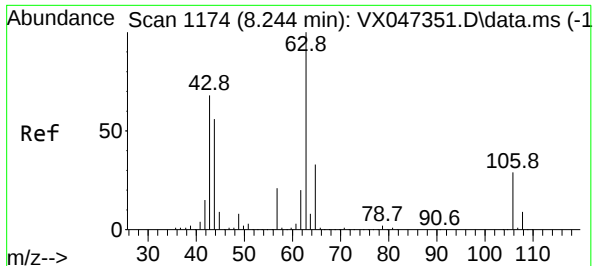
Tgt Ion:117 Resp: 32406
Ion Ratio Lower Upper
117 100
119 4.1 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.770 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion: 98 Resp: 705715
Ion Ratio Lower Upper
98 100
100 66.3 53.9 80.9

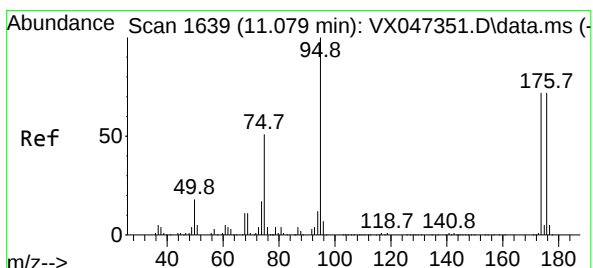
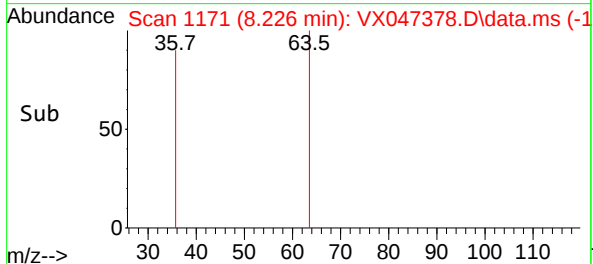
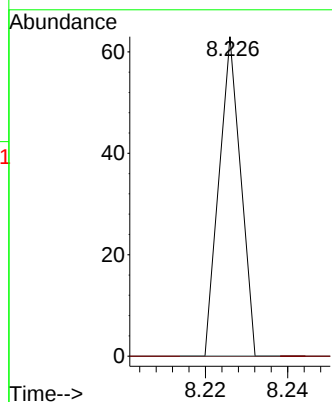
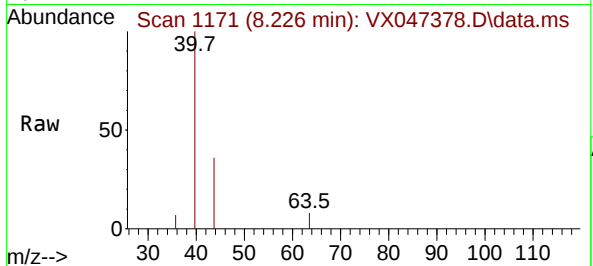




#58
2-Chloroethyl Vinyl ether
Concen: 8.363 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.018 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

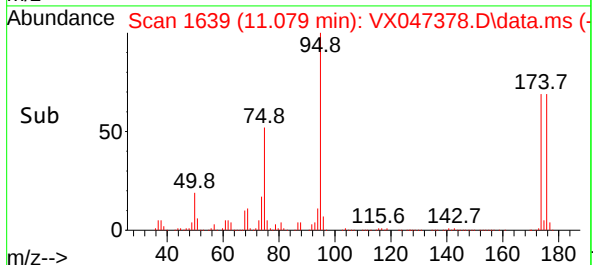
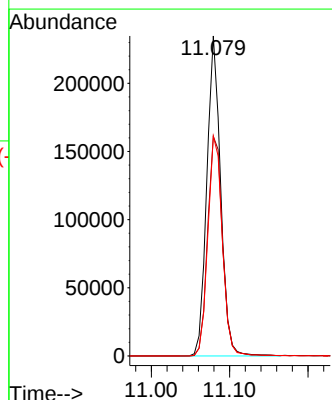
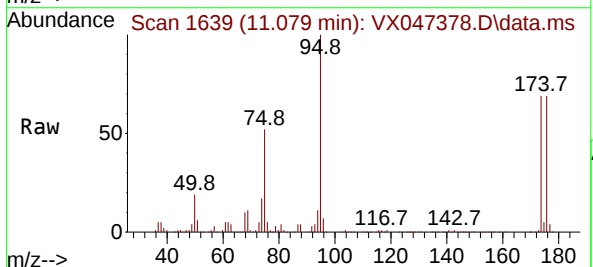
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

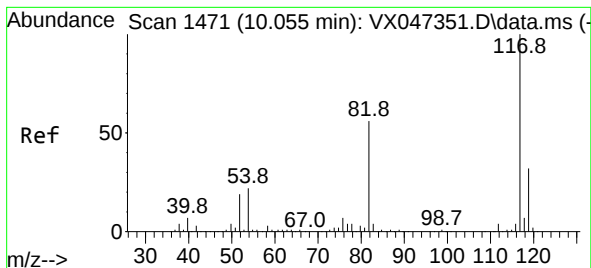
Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 55.855 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion: 95 Resp: 286508
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.0
176 72.1 0.0 145.4

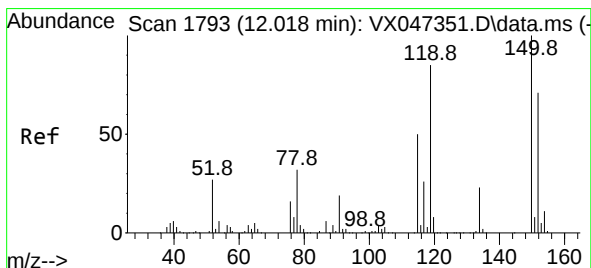
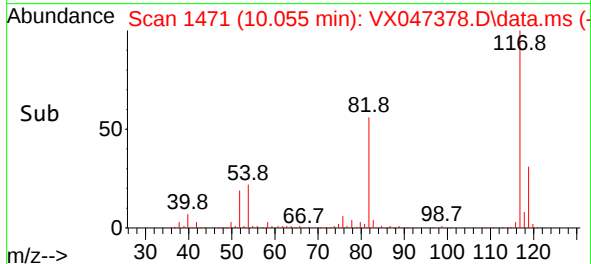
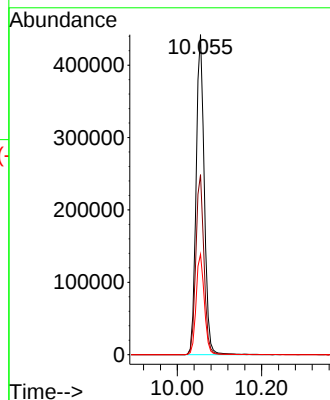
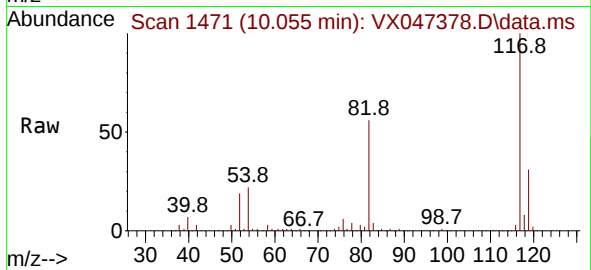




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

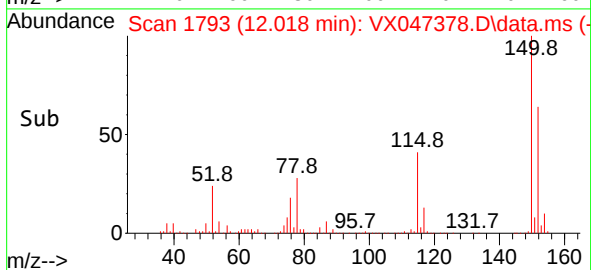
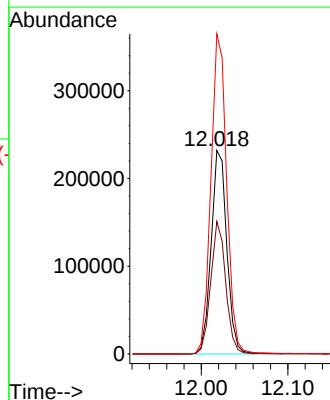
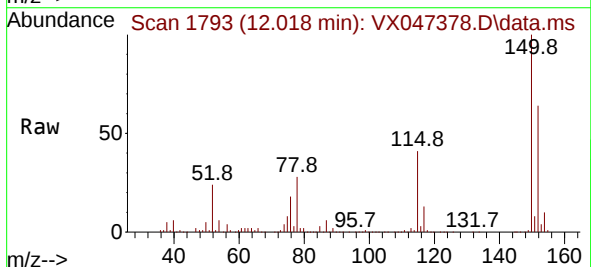
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

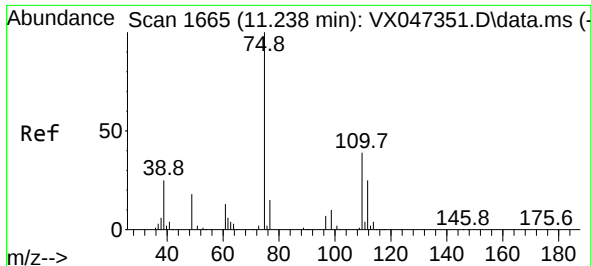
Tgt Ion:117 Resp: 594774
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 31.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion:152 Resp: 292088
Ion Ratio Lower Upper
152 100
115 62.6 44.6 133.8
150 157.7 0.0 349.8

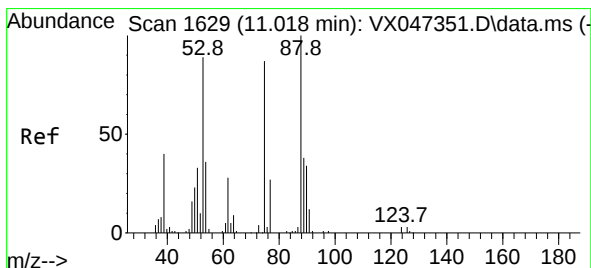
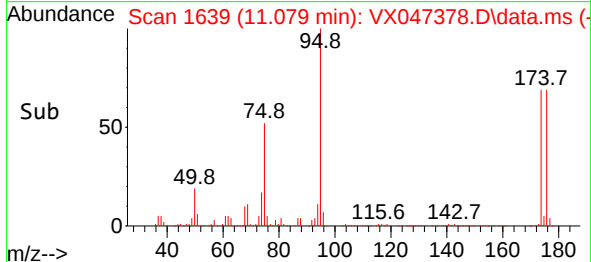
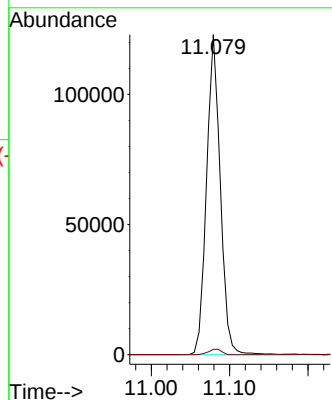
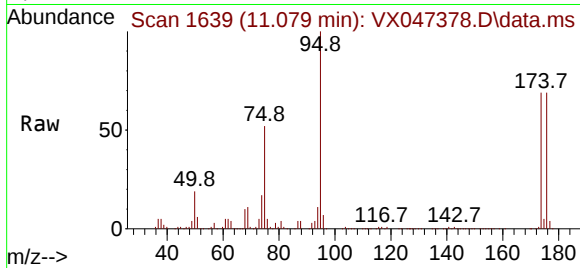




#76
1,2,3-Trichloropropane
Concen: 27.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

Tgt Ion: 75 Resp: 148935
Ion Ratio Lower Upper
75 100
77 1.7 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047378.D
Acq: 18 Aug 2025 13:48

Tgt Ion: 75 Resp: 148935
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

