

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047187.D
 Acq On : 30 Jul 2025 16:11
 Operator : JC/MD
 Sample : Q2733-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-12

Quant Time: Jul 31 03:17:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

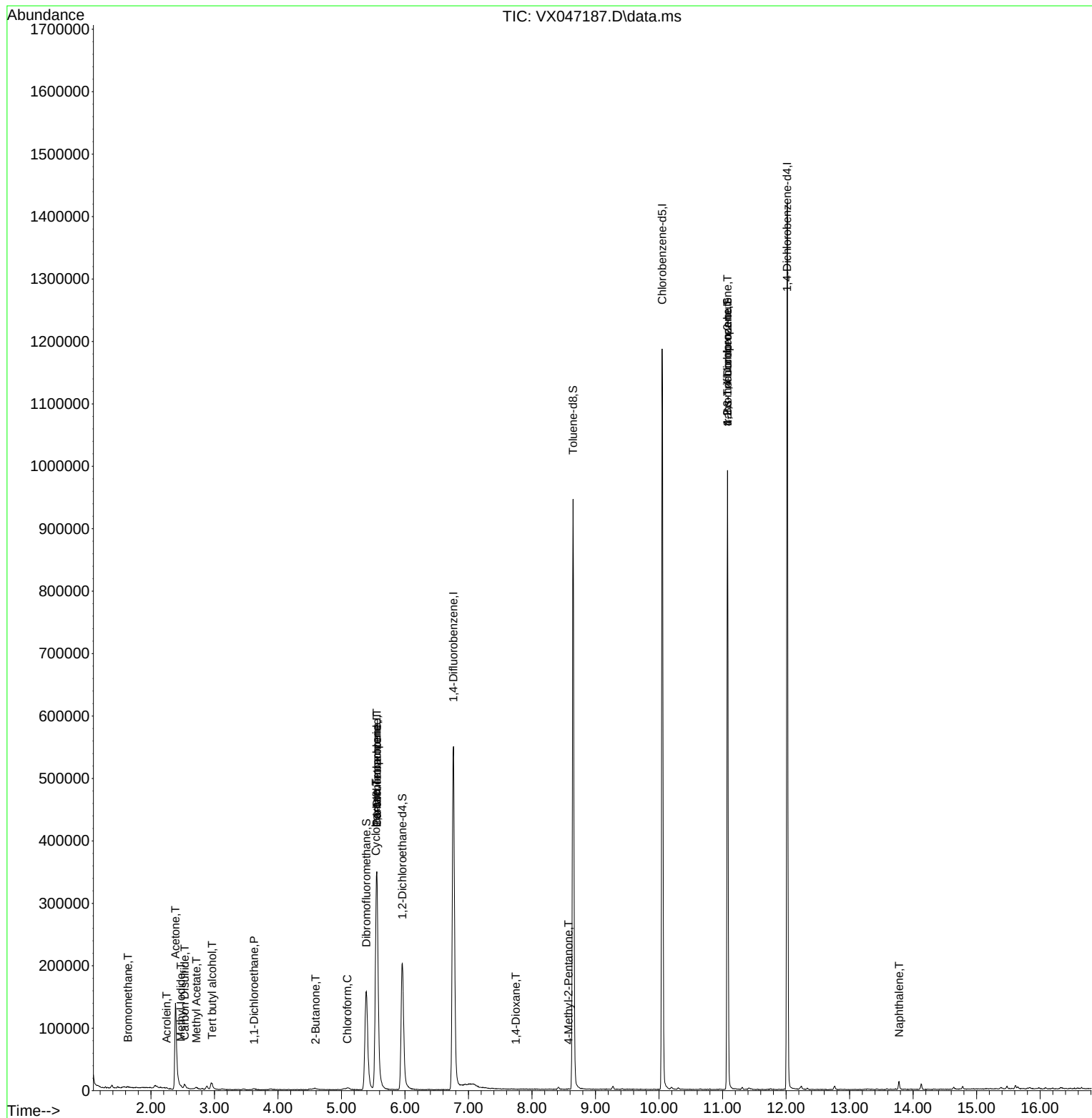
Internal Standards						
1) Pentafluorobenzene	5.556	168	351724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	588680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	536499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	219442	50.085	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.180%			
35) Dibromofluoromethane	5.391	113	153453	42.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 84.440%			
50) Toluene-d8	8.647	98	566125	48.095	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.200%			
62) 4-Bromofluorobenzene	11.079	95	266514	52.540	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.080%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	842	0.312	ug/l	88
10) Methyl Iodide	2.471	142	2783	0.612	ug/l #	70
11) Tert butyl alcohol	2.965	59	12059	13.827	ug/l	100
13) Acrolein	2.245	56	201	0.213	ug/l	84
16) Acetone	2.386	43	197963	112.787	ug/l	98
17) Carbon Disulfide	2.532	76	3489	0.273	ug/l	96
18) Methyl Acetate	2.715	43	2002	0.429	ug/l #	81
24) 1,1-Dichloroethane	3.623	63	2422	0.284	ug/l #	82
25) 2-Butanone	4.593	43	3204	1.254	ug/l #	52
30) Chloroform	5.092	83	3716	0.427	ug/l	85
31) Cyclohexane	5.544	56	7597	0.928	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	28964	4.675	ug/l #	51
38) Carbon Tetrachloride	5.556	117	37332	5.645	ug/l #	16
49) 1,4-Dioxane	7.744	88	19	0.345	ug/l #	20
51) 4-Methyl-2-Pentanone	8.574	43	1532	0.290	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	137145	27.560	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	137145	71.005	ug/l #	8
95) Naphthalene	13.780	128	9489	0.530	ug/l	98

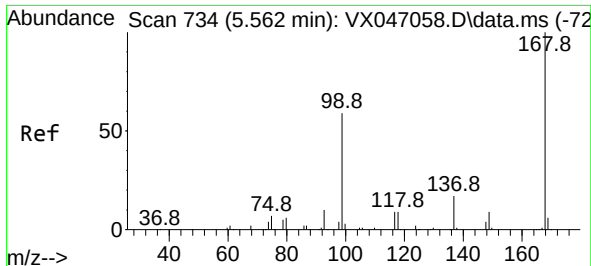
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TW-WTS-12

Quant Time: Jul 31 03:17:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

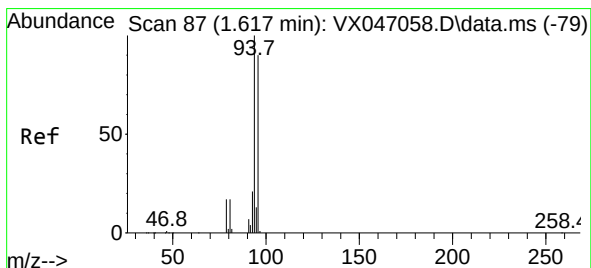
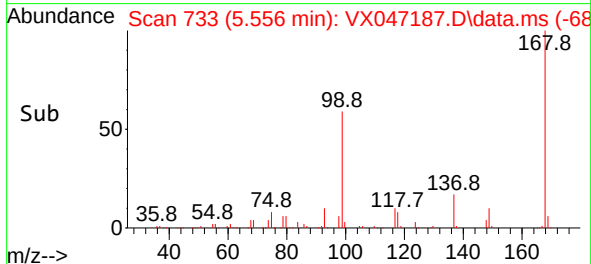
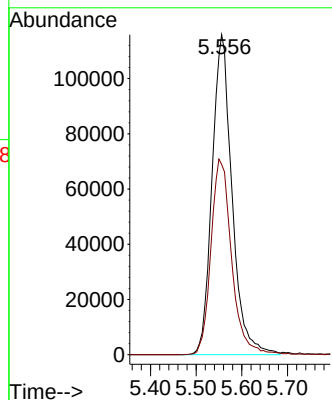
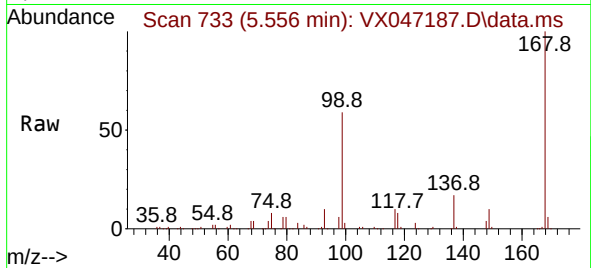




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

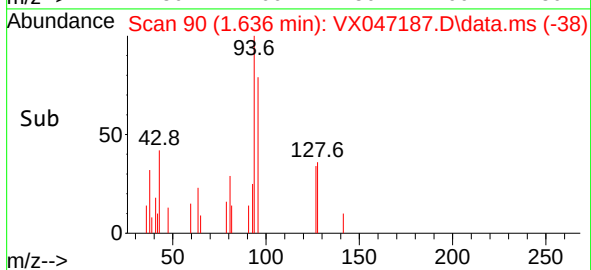
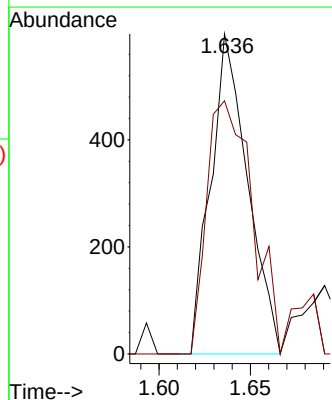
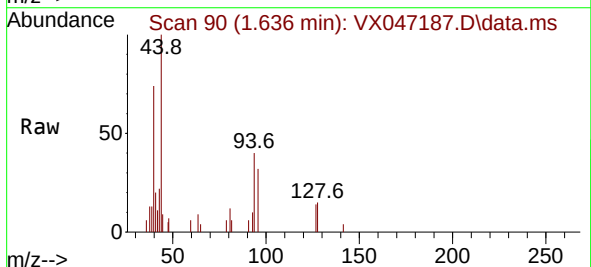
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

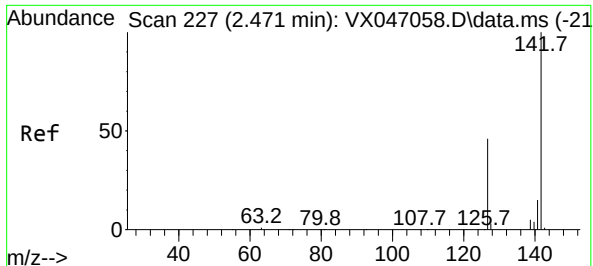
Tgt Ion:168 Resp: 351724
Ion Ratio Lower Upper
168 100
99 59.4 48.0 72.0



#5
Bromomethane
Concen: 0.312 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 94 Resp: 842
Ion Ratio Lower Upper
94 100
96 79.1 72.3 108.5

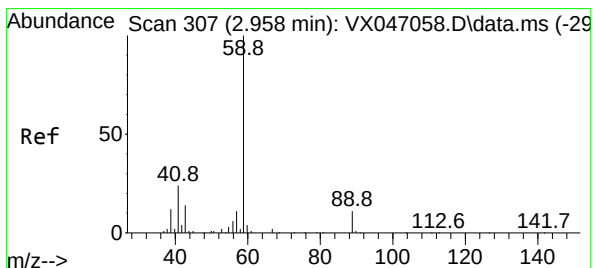
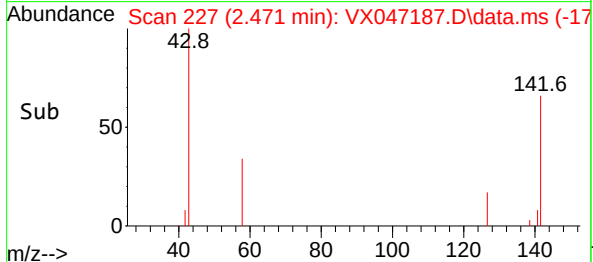
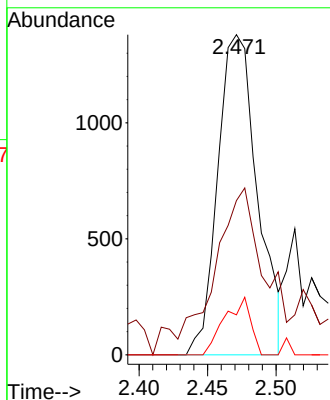
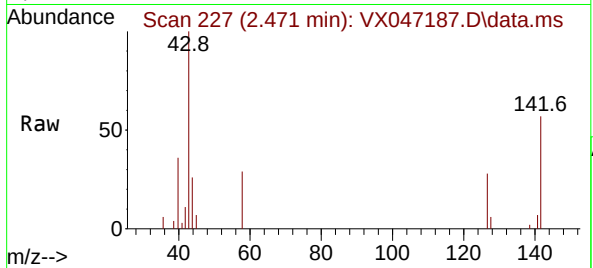




#10
Methyl Iodide
Concen: 0.612 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

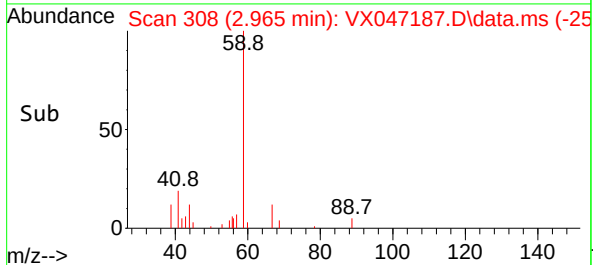
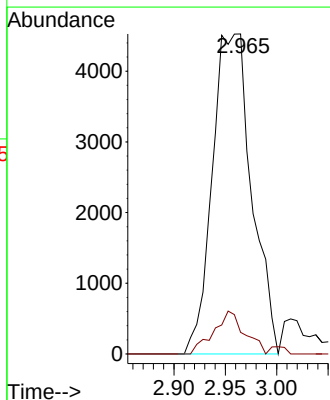
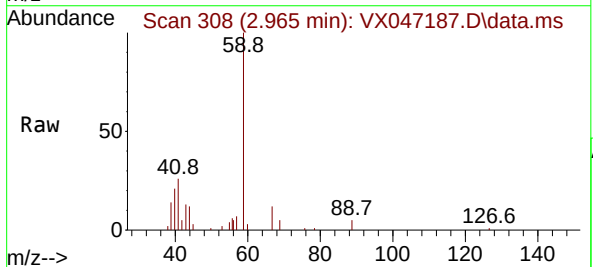
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

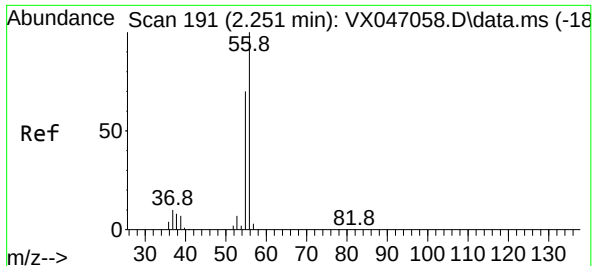
Tgt Ion:142 Resp: 2783
Ion Ratio Lower Upper
142 100
127 70.1 36.6 54.8#
141 11.8 10.9 16.3



#11
Tert butyl alcohol
Concen: 13.827 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 59 Resp: 12059
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

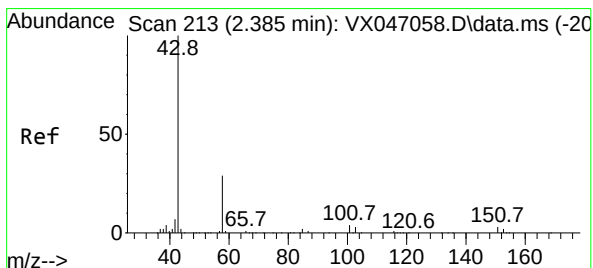
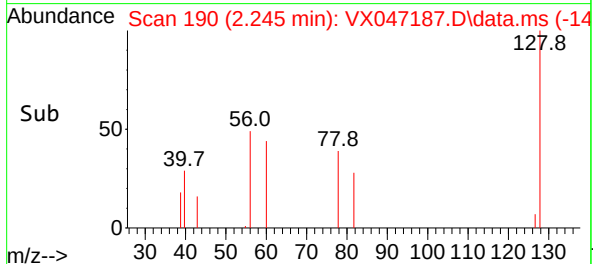
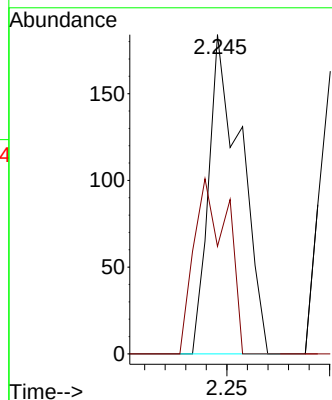
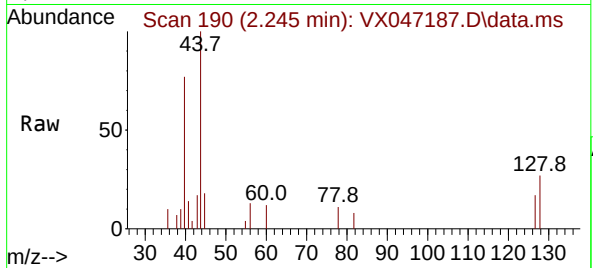




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.245 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

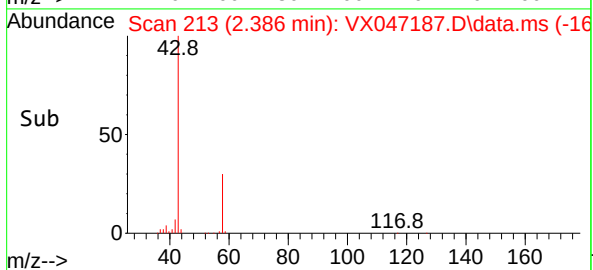
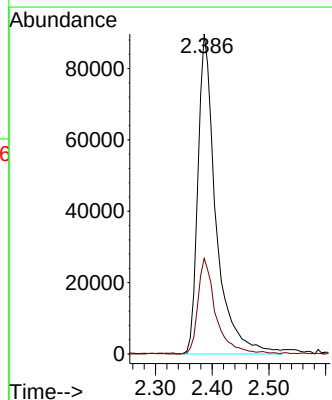
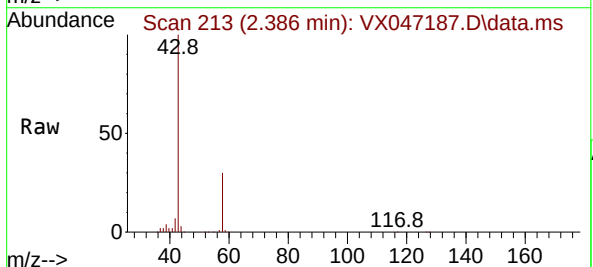
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

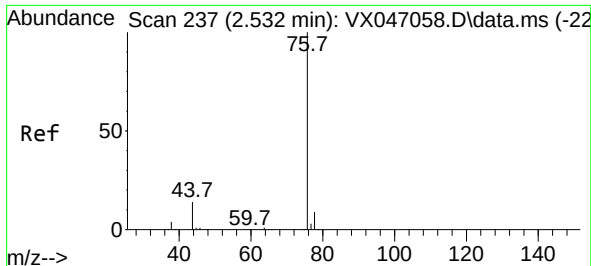
Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 56.7 55.7 83.5



#16
Acetone
Concen: 112.787 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 43 Resp: 197963
Ion Ratio Lower Upper
43 100
58 30.8 24.0 36.0

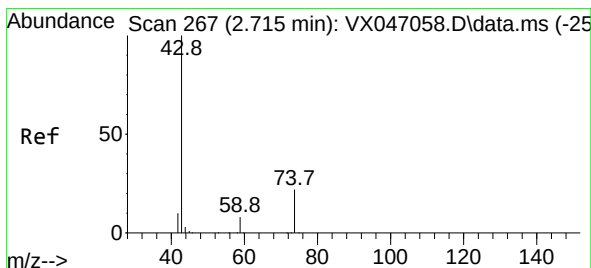
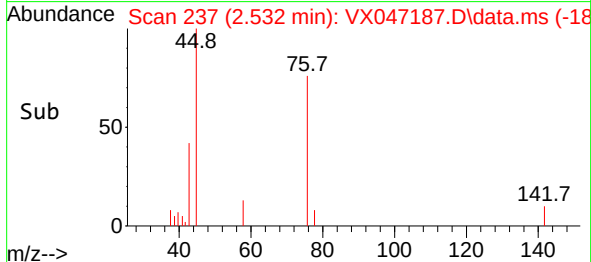
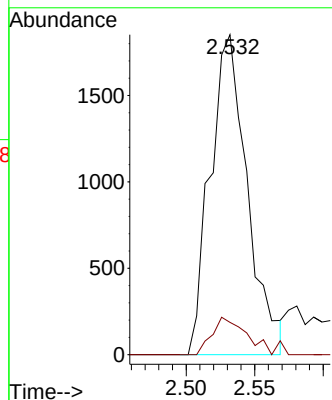
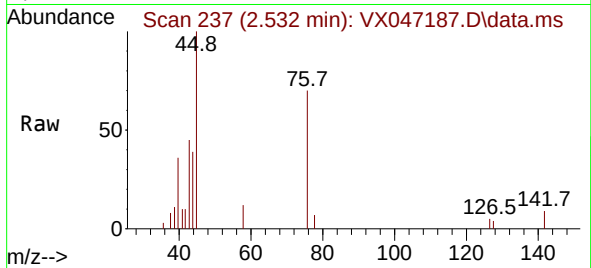




#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

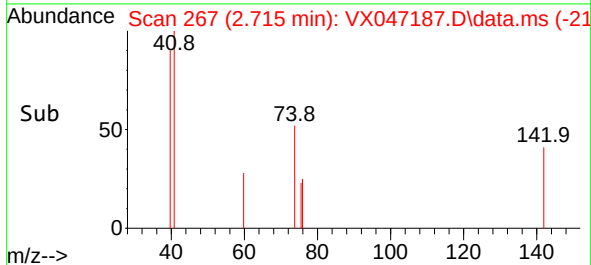
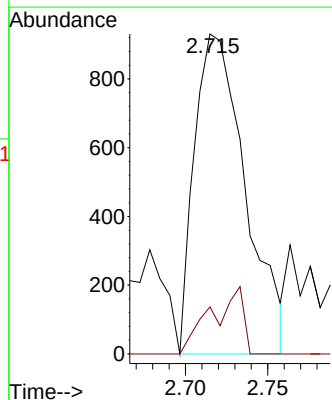
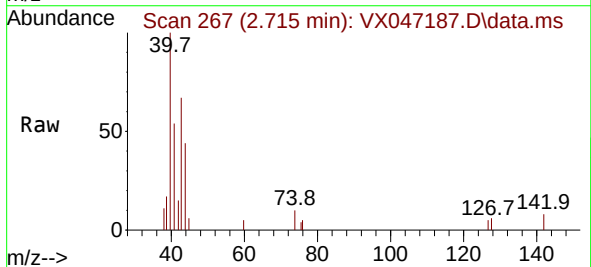
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

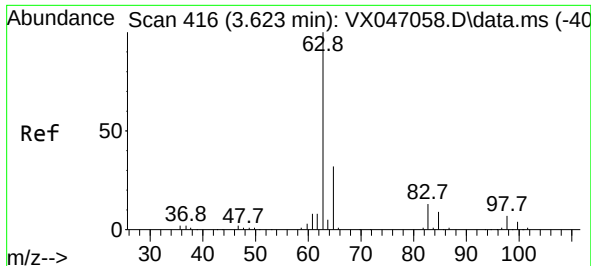
Tgt Ion: 76 Resp: 3489
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
74 13.2 17.7 26.5#

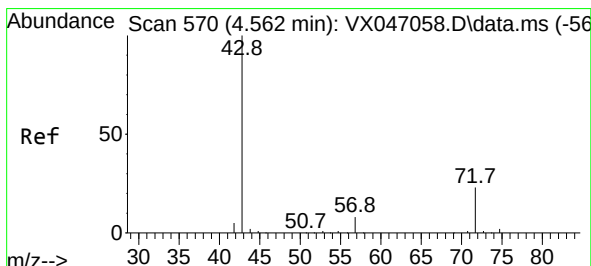
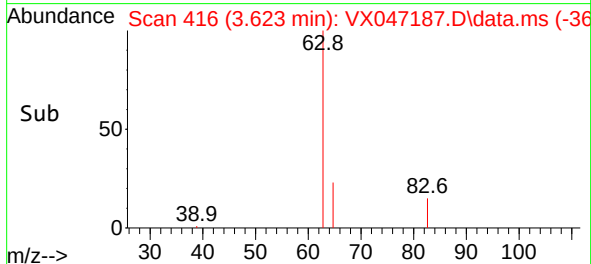
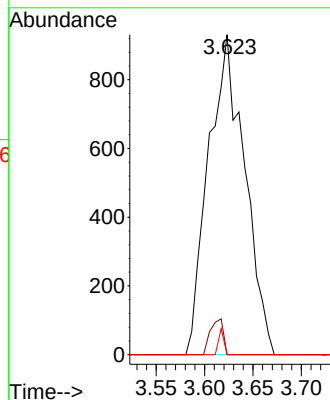
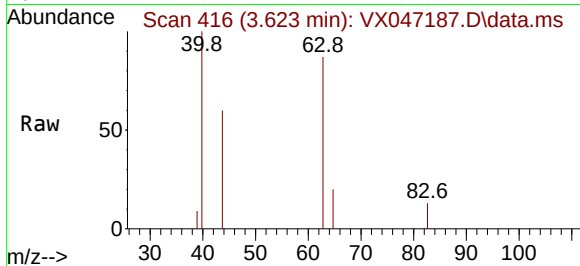




#24
 1,1-Dichloroethane
 Concen: 0.284 ug/l
 RT: 3.623 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

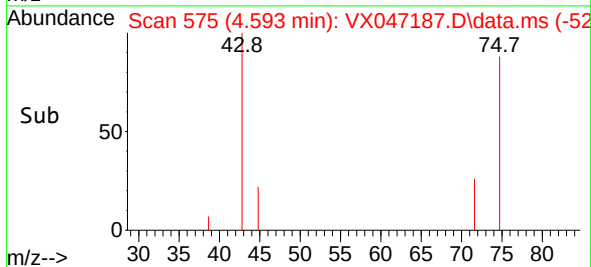
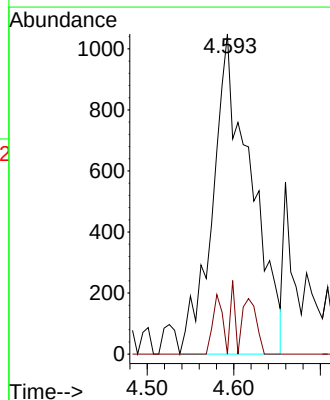
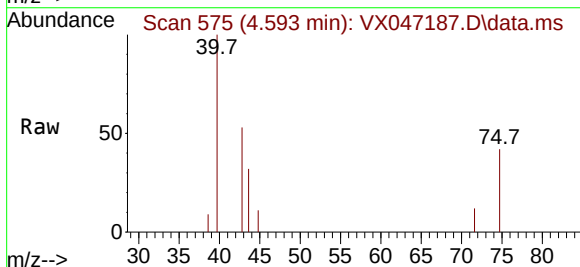
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-12

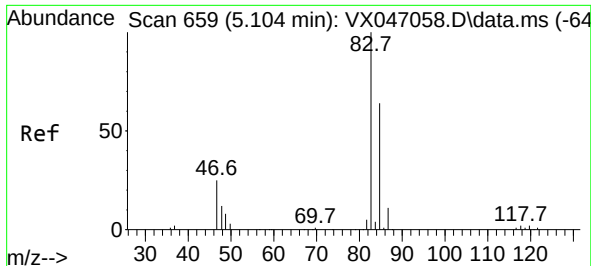
Tgt Ion: 63 Resp: 2422
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.3 6.8#



#25
 2-Butanone
 Concen: 1.254 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.031 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

Tgt Ion: 43 Resp: 3204
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.8 28.2#





#30

Chloroform

Concen: 0.427 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX047187.D

Acq: 30 Jul 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

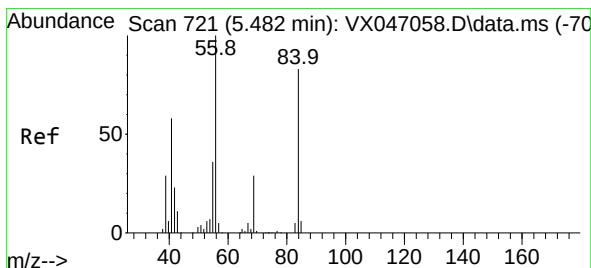
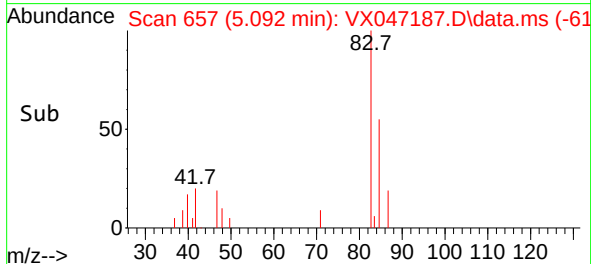
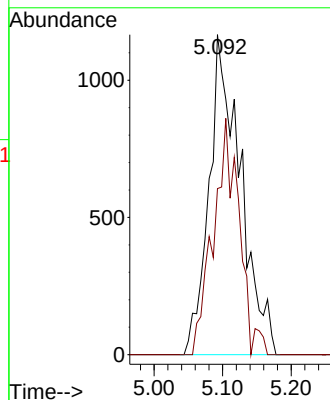
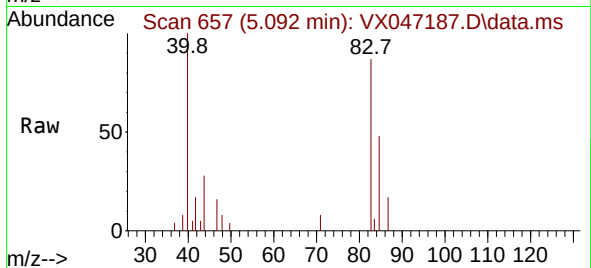
TW-WTS-12

Tgt Ion: 83 Resp: 3716

Ion Ratio Lower Upper

83 100

85 51.9 50.9 76.3



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.061 min

Lab File: VX047187.D

Acq: 30 Jul 2025 16:11

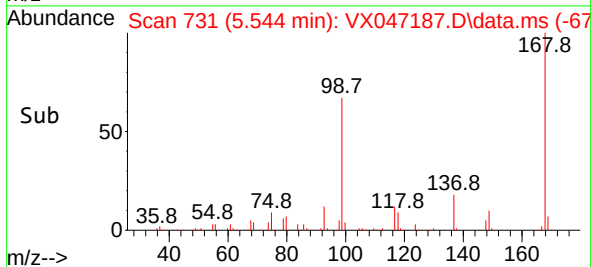
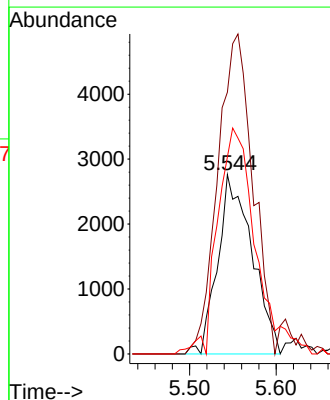
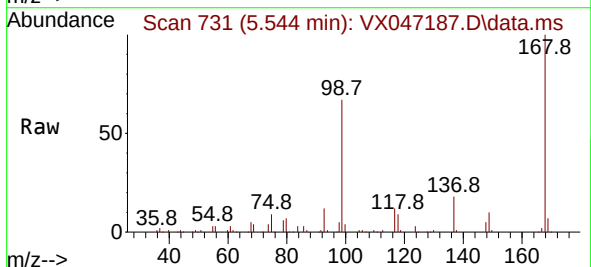
Tgt Ion: 56 Resp: 7597

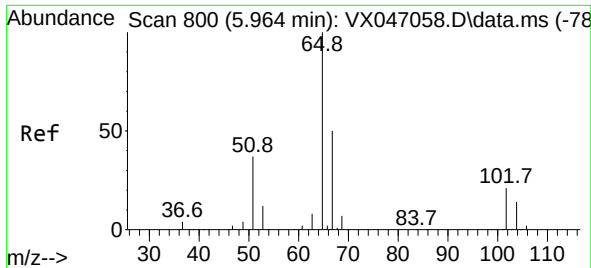
Ion Ratio Lower Upper

56 100

69 145.9 23.3 34.9#

84 107.5 66.5 99.7#

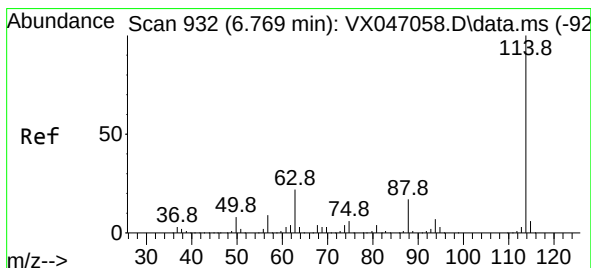
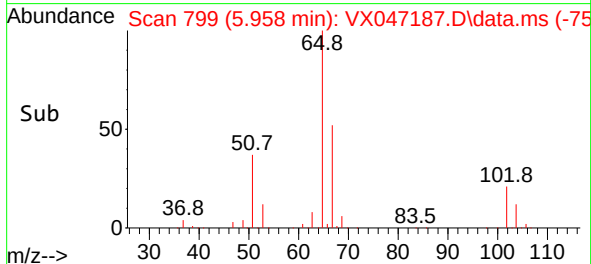
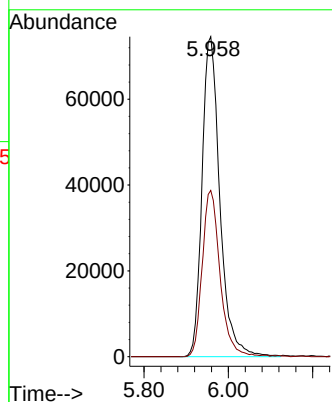
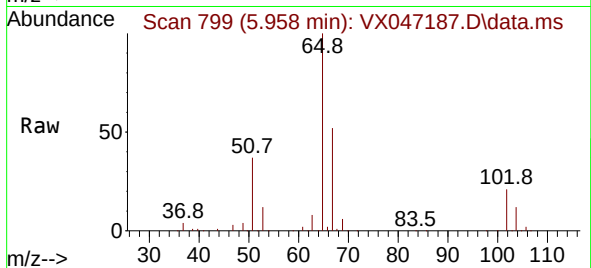




#33
 1,2-Dichloroethane-d4
 Concen: 50.085 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

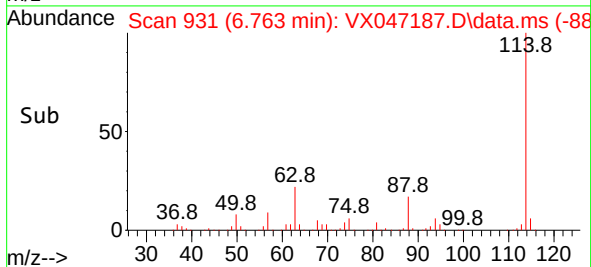
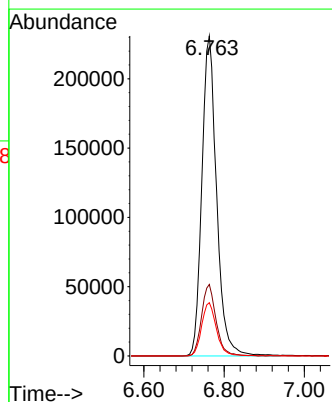
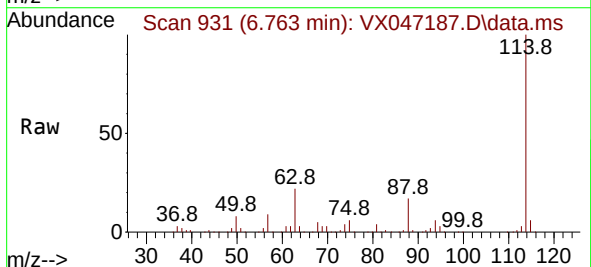
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-12

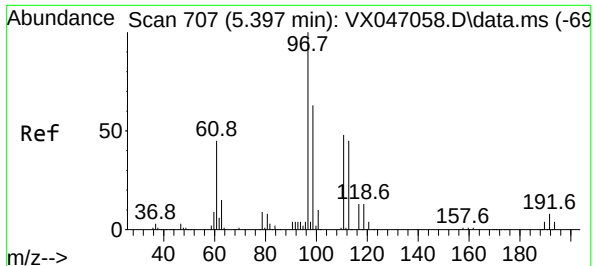
Tgt Ion: 65 Resp: 219442
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

Tgt Ion: 114 Resp: 588680
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 16.6 0.0 33.8

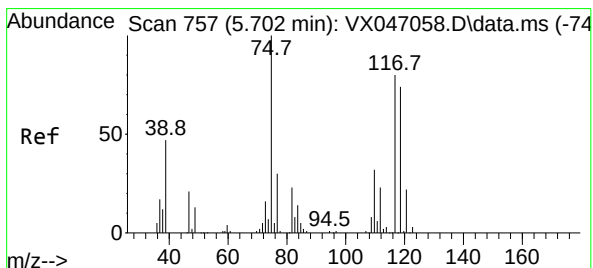
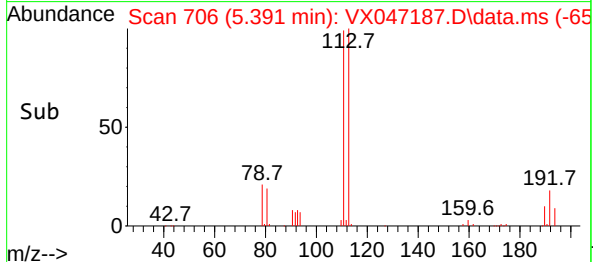
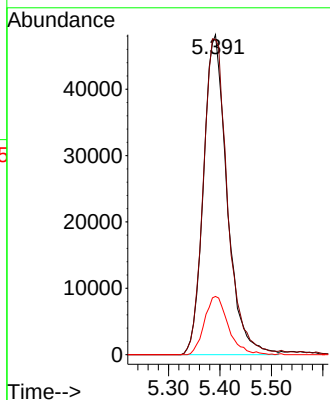
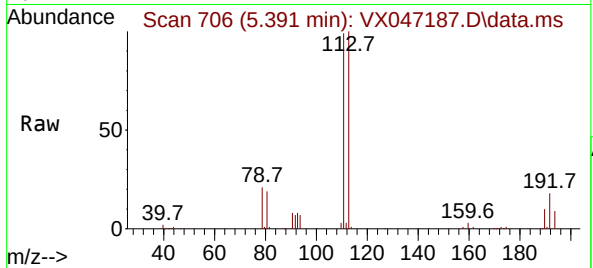




#35
 Dibromofluoromethane
 Concen: 42.219 ug/l
 RT: 5.391 min Scan# 707
 Delta R.T. -0.006 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

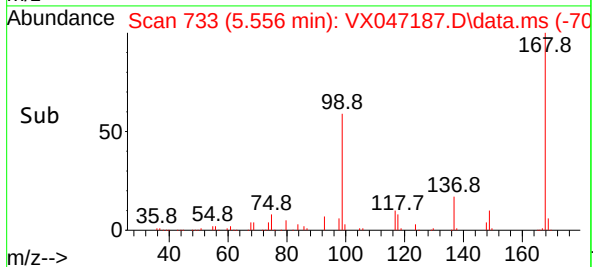
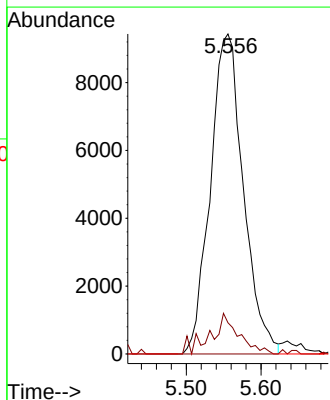
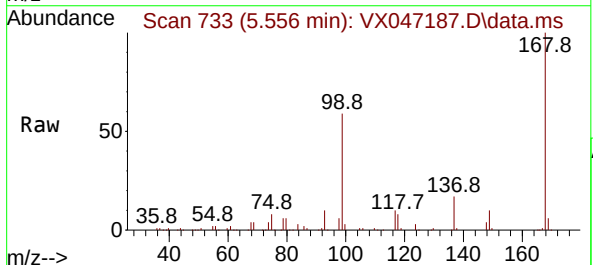
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-12

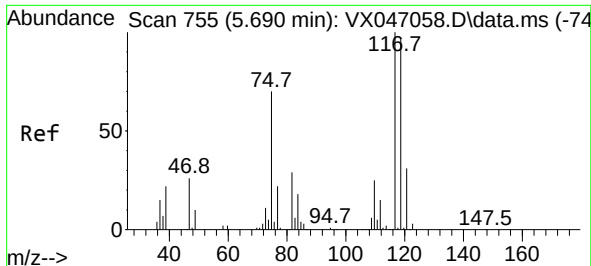
Tgt Ion:113 Resp: 153453
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 124.0
 192 18.5 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.146 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

Tgt Ion: 75 Resp: 28964
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.2 51.5#
 77 0.0 25.1 37.7#

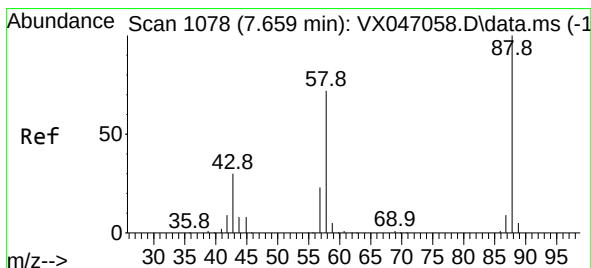
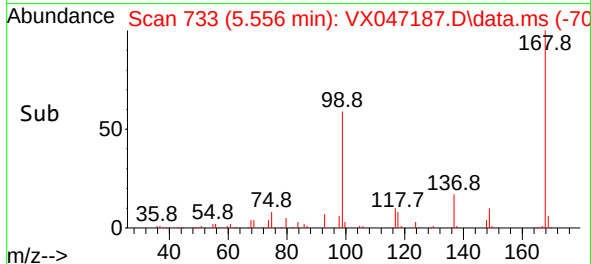
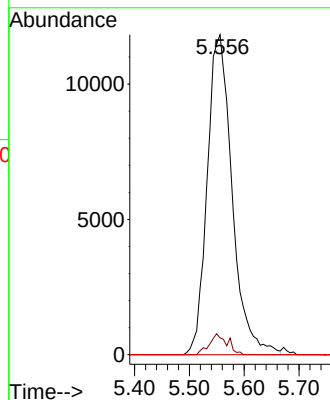
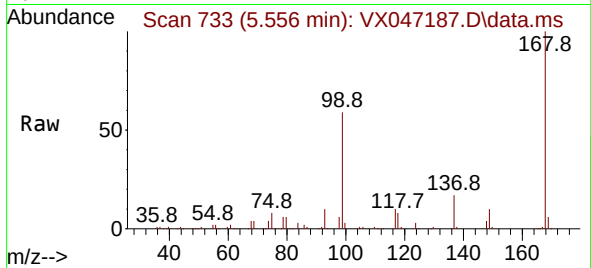




#38
Carbon Tetrachloride
Concen: 5.645 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

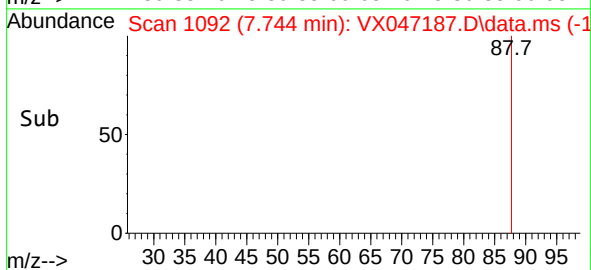
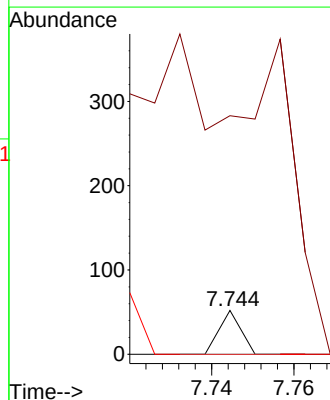
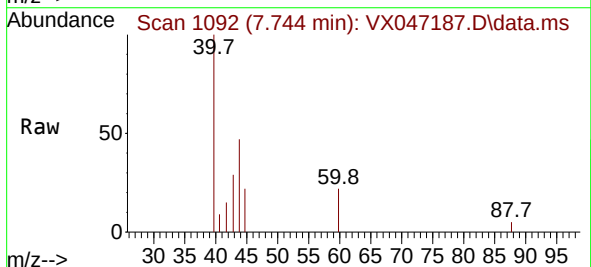
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

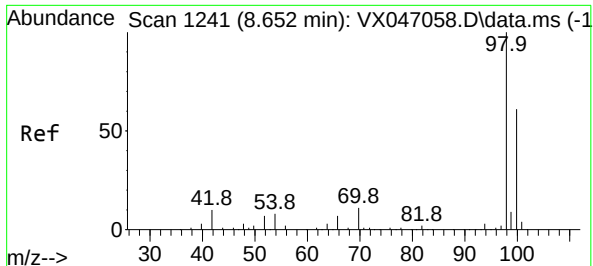
Tgt Ion:117 Resp: 37332
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.345 ug/l
RT: 7.744 min Scan# 1092
Delta R.T. 0.086 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#





#50

Toluene-d8

Concen: 48.095 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX047187.D

Acq: 30 Jul 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

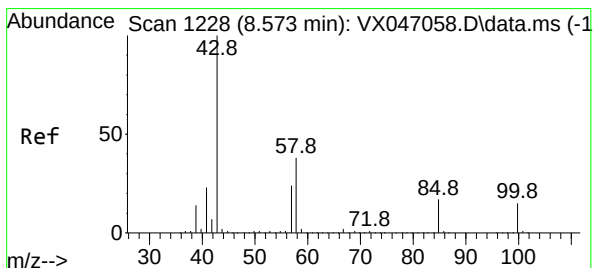
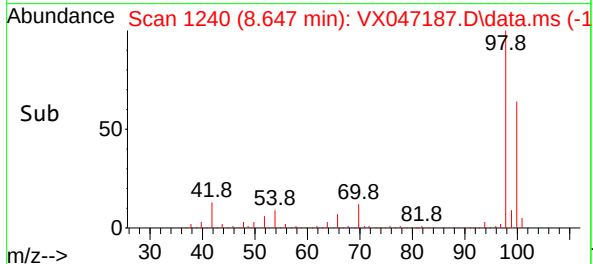
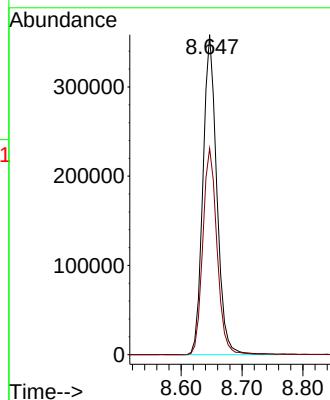
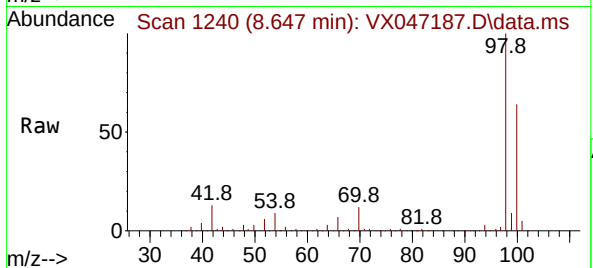
TW-WTS-12

Tgt Ion: 98 Resp: 566125

Ion Ratio Lower Upper

98 100

100 66.0 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 0.290 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX047187.D

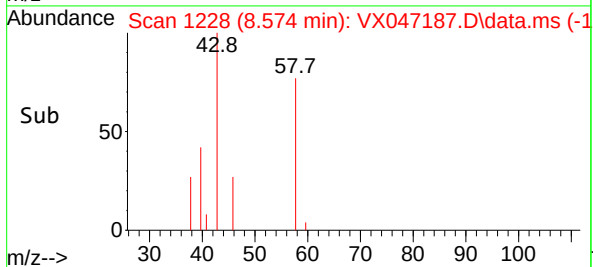
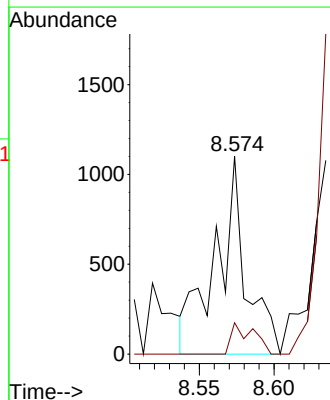
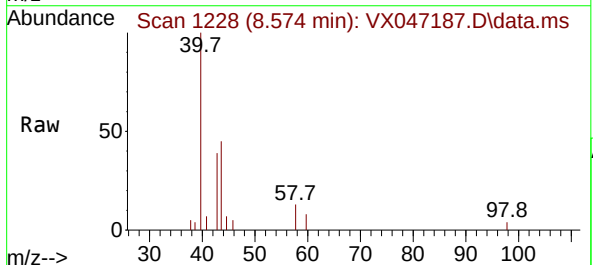
Acq: 30 Jul 2025 16:11

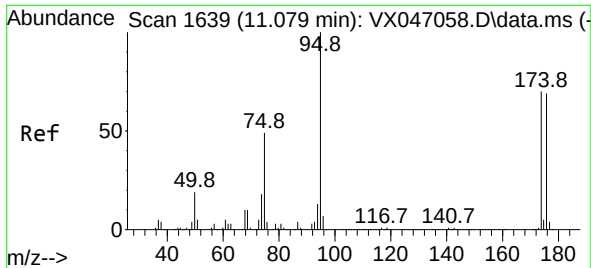
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 11.6 30.6 45.8#

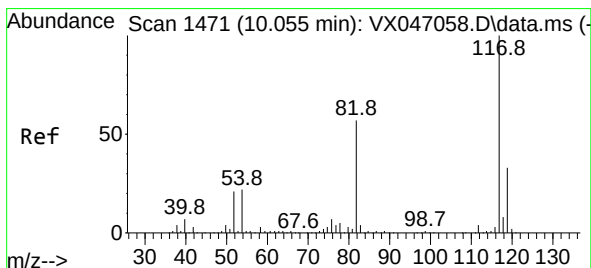
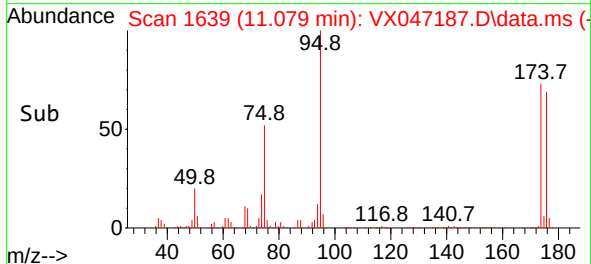
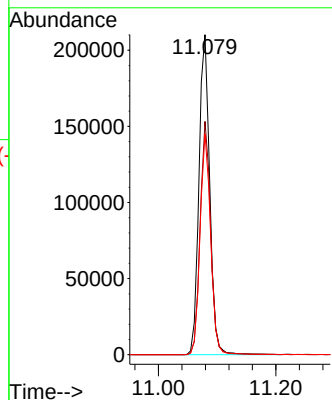
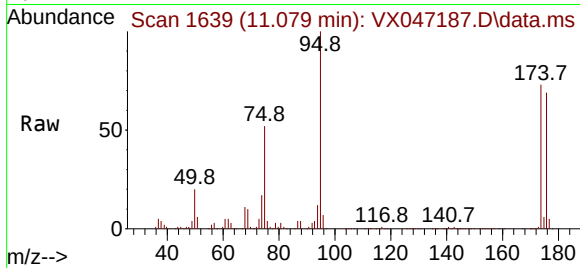




#62
4-Bromofluorobenzene
Concen: 52.540 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

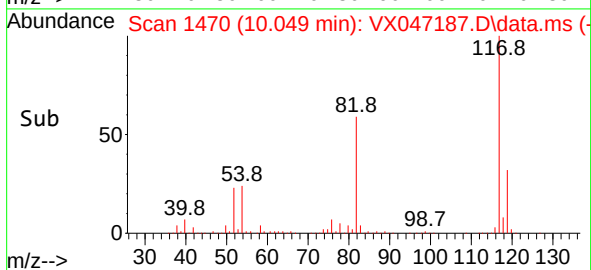
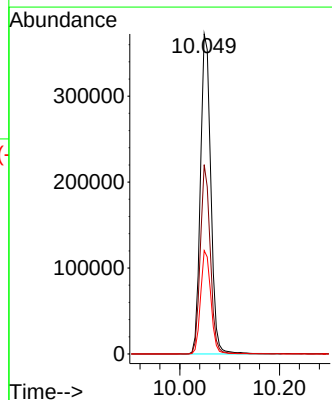
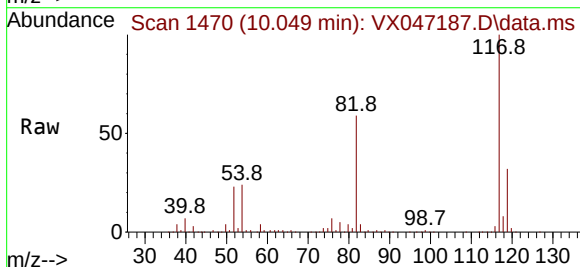
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-12

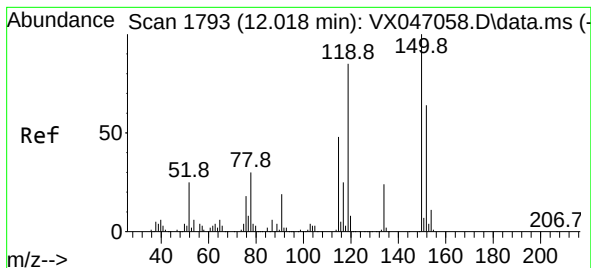
Tgt Ion: 95 Resp: 266514
Ion Ratio Lower Upper
95 100
174 71.4 0.0 144.6
176 67.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047187.D
Acq: 30 Jul 2025 16:11

Tgt Ion: 117 Resp: 536499
Ion Ratio Lower Upper
117 100
82 59.1 45.4 68.2
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047187.D

Acq: 30 Jul 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-12

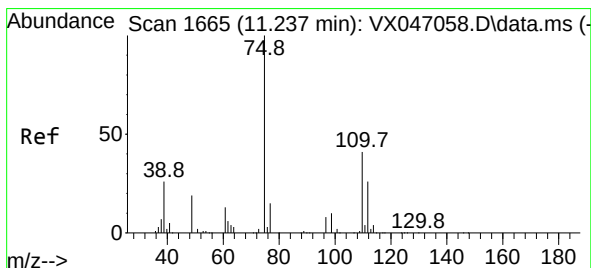
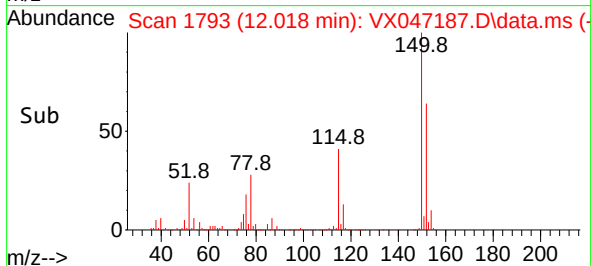
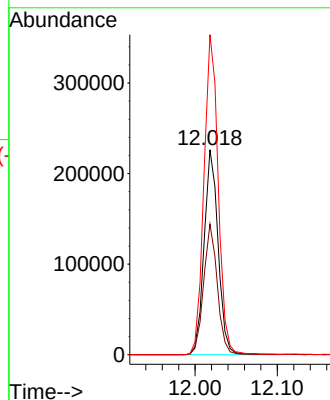
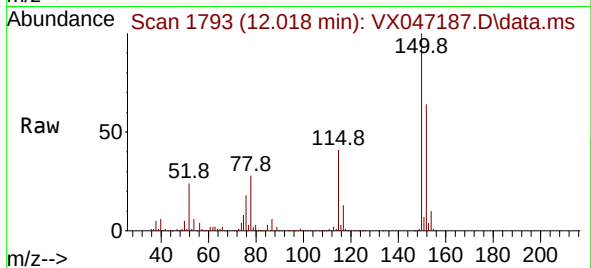
Tgt Ion:152 Resp: 268849

Ion Ratio Lower Upper

152 100

115 62.5 45.6 136.7

150 158.7 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 27.560 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047187.D

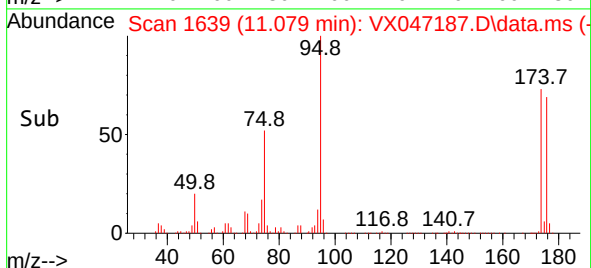
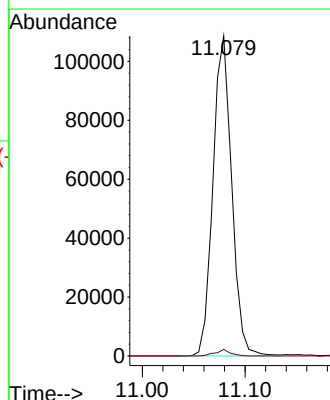
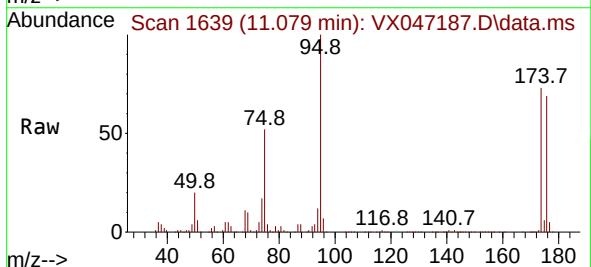
Acq: 30 Jul 2025 16:11

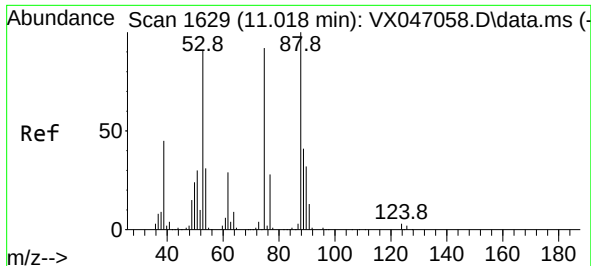
Tgt Ion: 75 Resp: 137145

Ion Ratio Lower Upper

75 100

77 1.6 21.6 65.0#

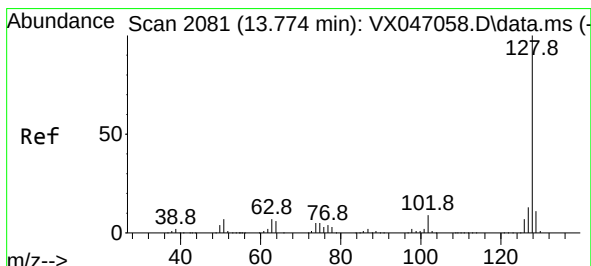
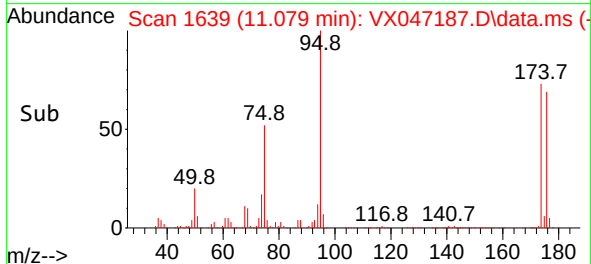
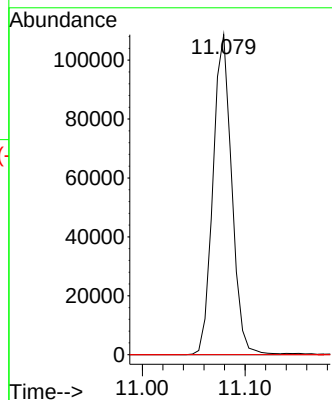
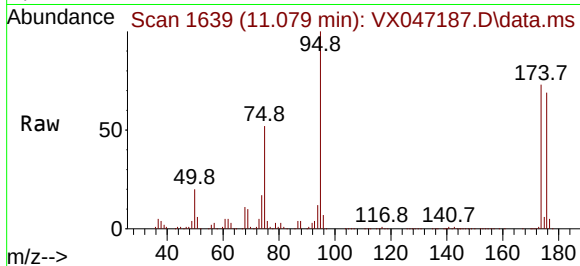




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.005 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-12

Tgt Ion: 75 Resp: 137145
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#



#95
 Naphthalene
 Concen: 0.530 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX047187.D
 Acq: 30 Jul 2025 16:11

Tgt Ion: 128 Resp: 9489
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.1 15.1
 129 10.8 8.6 13.0

