

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048378.D
 Acq On : 27 Oct 2025 17:26
 Operator : JC/MD
 Sample : Q3447-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-TW3-251023-01

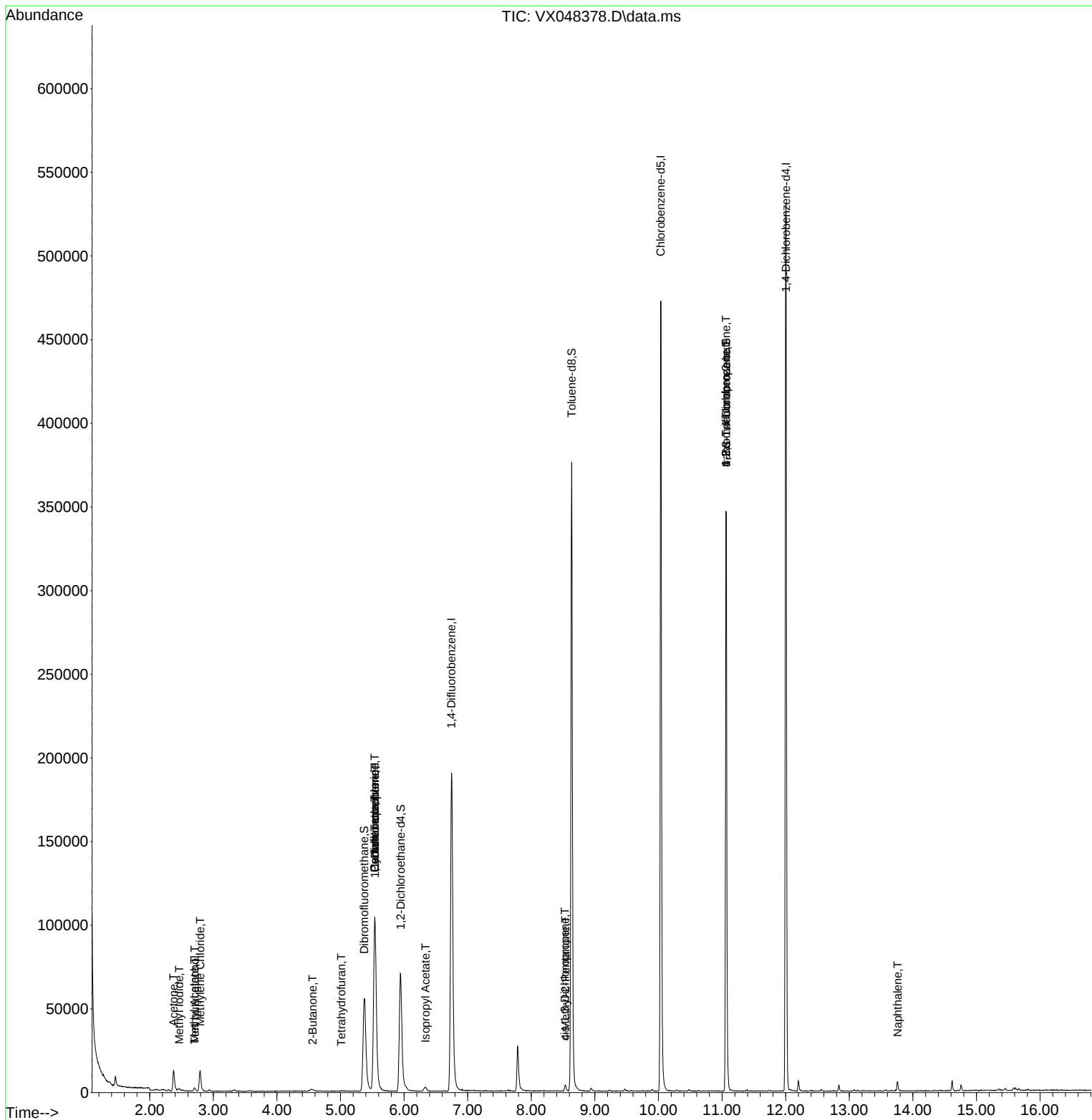
Quant Time: Oct 28 01:57:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

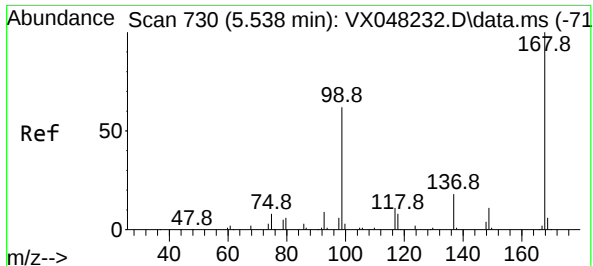
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	104175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	207774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78485	53.734	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.460%	
35) Dibromofluoromethane	5.373	113	55337	39.012	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 78.020%	
50) Toluene-d8	8.635	98	230634	46.388	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.780%	
62) 4-Bromofluorobenzene	11.061	95	101648	53.741	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.480%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1275	0.902	ug/l	93
11) Tert butyl alcohol	2.709	59	249	1.717	ug/l #	72
16) Acetone	2.374	43	16829	33.586	ug/l	98
18) Methyl Acetate	2.703	43	3172	3.031	ug/l	96
20) Methylene Chloride	2.794	84	6013	4.925	ug/l	96
25) 2-Butanone	4.562	43	1069	1.686	ug/l #	85
29) Tetrahydrofuran	5.013	42	183	0.482	ug/l #	72
31) Cyclohexane	5.538	56	2400	1.324	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	8860	4.395	ug/l #	49
38) Carbon Tetrachloride	5.538	117	10747	4.321	ug/l #	16
43) Isopropyl Acetate	6.336	43	4091	1.490	ug/l #	93
51) 4-Methyl-2-Pentanone	8.537	43	2061	1.302	ug/l #	38
54) cis-1,3-Dichloropropene	8.531	75	557	0.229	ug/l #	32
76) 1,2,3-Trichloropropane	11.061	75	54451	30.189	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.061	75	54451	73.449	ug/l #	10
95) Naphthalene	13.762	128	4261	0.660	ug/l	97

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

Quant Time: Oct 28 01:57:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

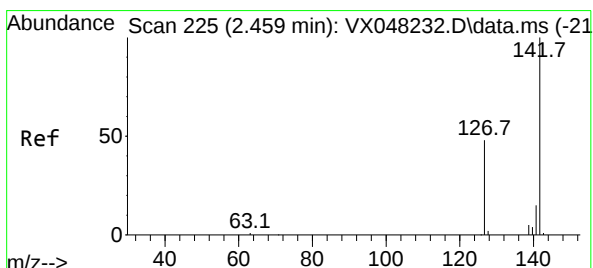
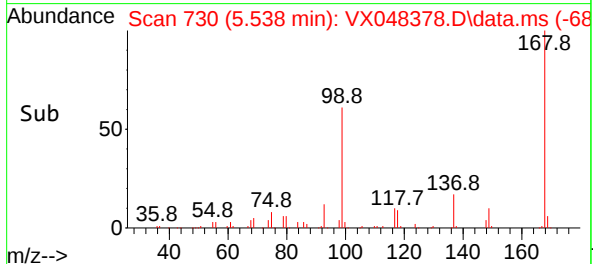
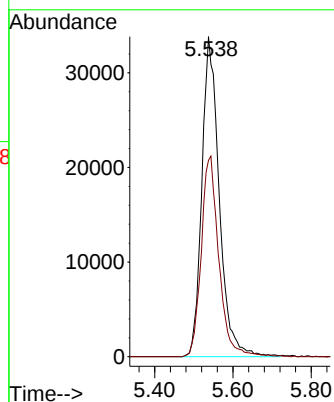
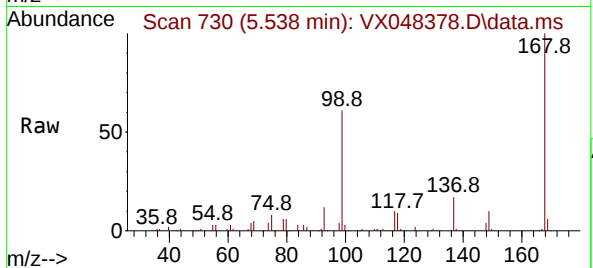




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

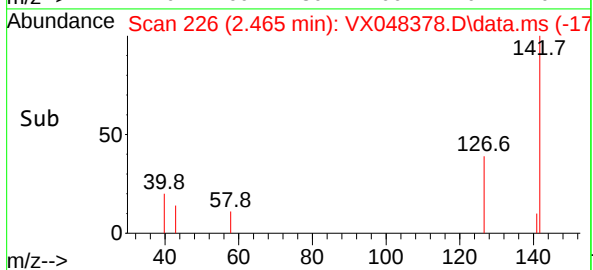
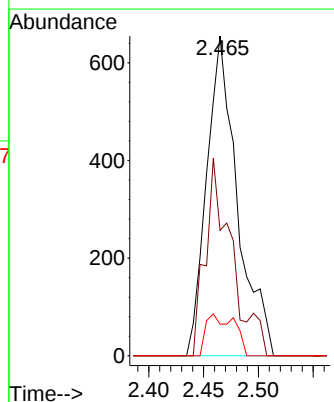
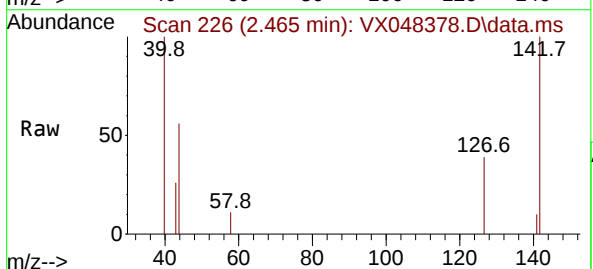
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

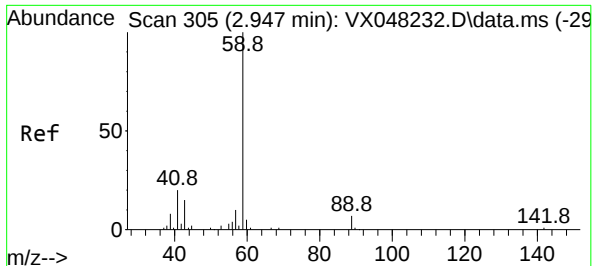
Tgt Ion:168 Resp: 104175
Ion Ratio Lower Upper
168 100
99 61.4 46.4 69.6



#10
Methyl Iodide
Concen: 0.902 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion:142 Resp: 1275
Ion Ratio Lower Upper
142 100
127 52.9 38.5 57.7
141 12.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 1.717 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.232 min

Lab File: VX048378.D

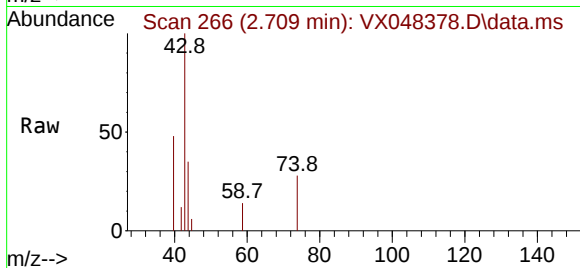
Acq: 27 Oct 2025 17:26

Instrument :

MSVOA_X

ClientSampleId :

P001-TW3-251023-01

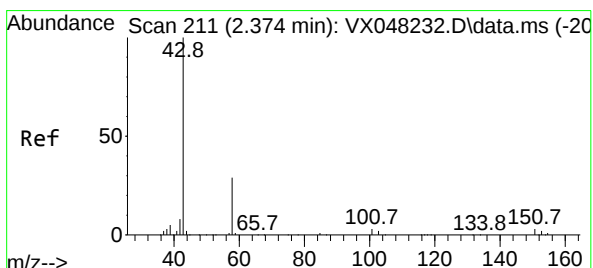
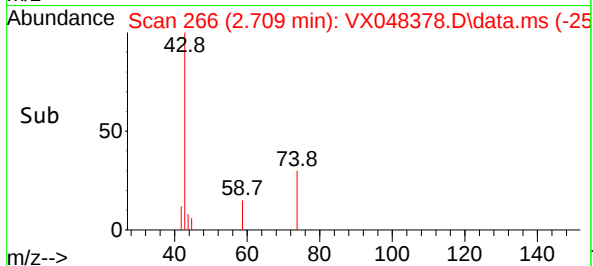
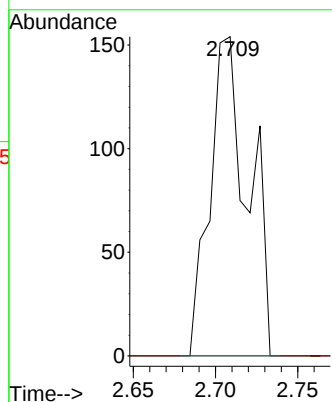


Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 33.586 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048378.D

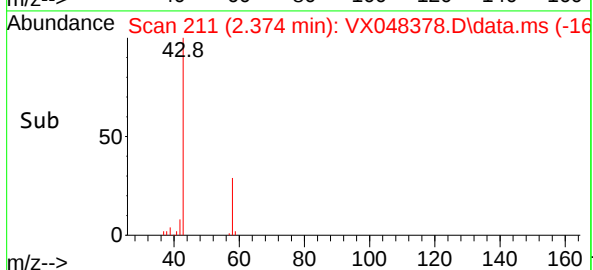
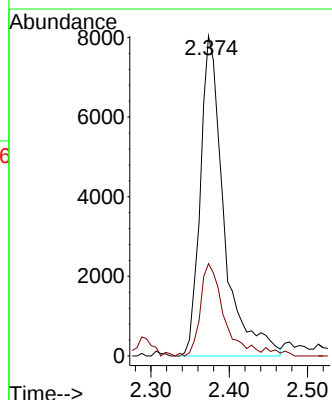
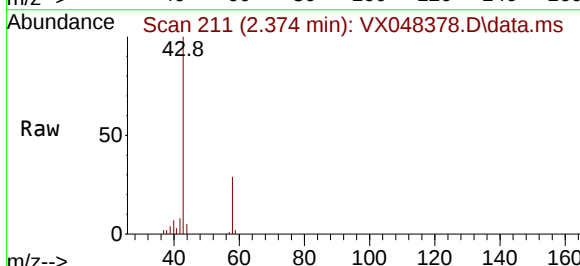
Acq: 27 Oct 2025 17:26

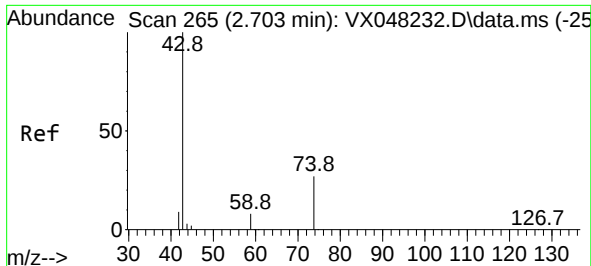
Tgt Ion: 43 Resp: 16829

Ion Ratio Lower Upper

43 100

58 28.0 23.4 35.2

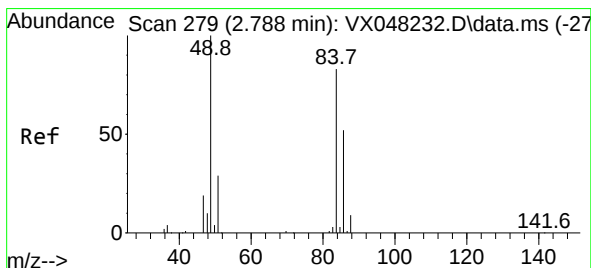
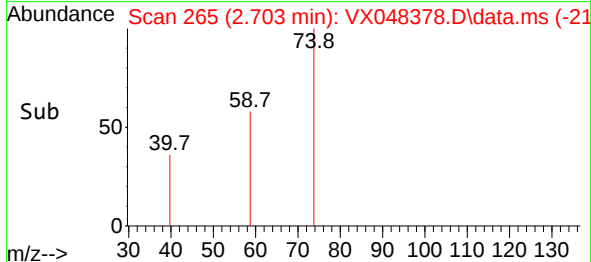
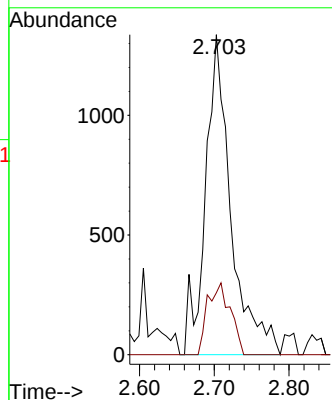
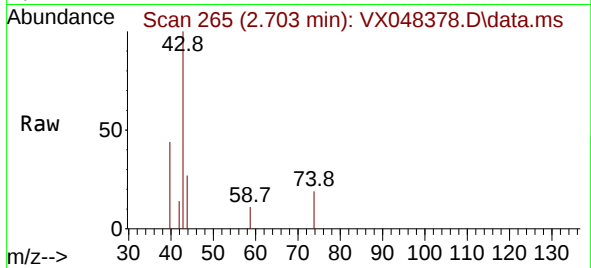




#18
Methyl Acetate
Concen: 3.031 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

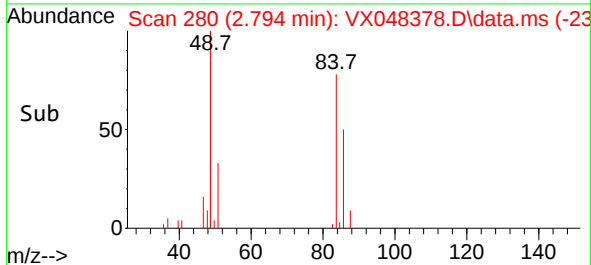
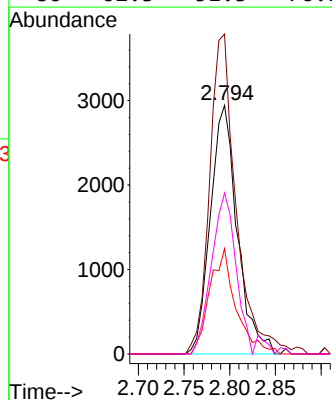
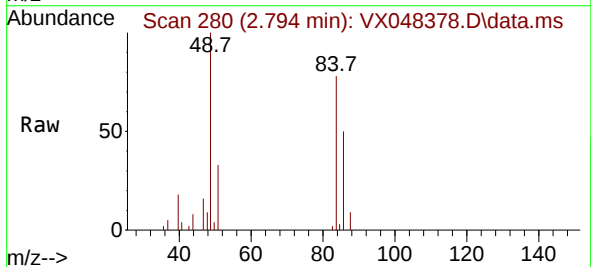
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

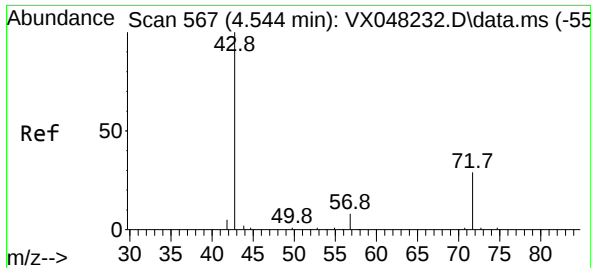
Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3



#20
Methylene Chloride
Concen: 4.925 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 84 Resp: 6013
Ion Ratio Lower Upper
84 100
49 123.9 104.1 156.1
51 40.8 31.3 46.9
86 62.3 51.3 76.9

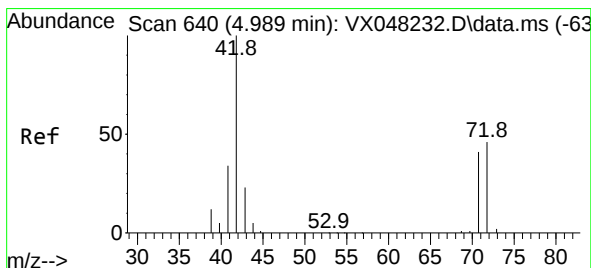
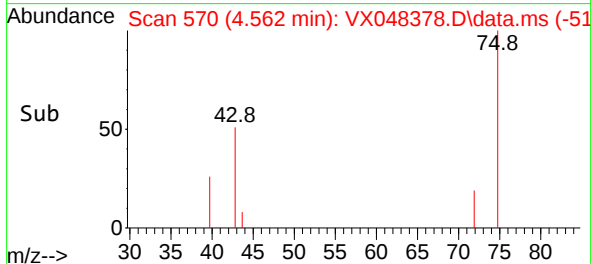
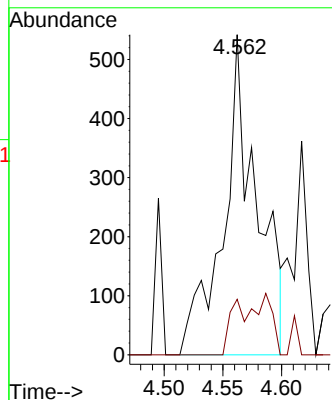
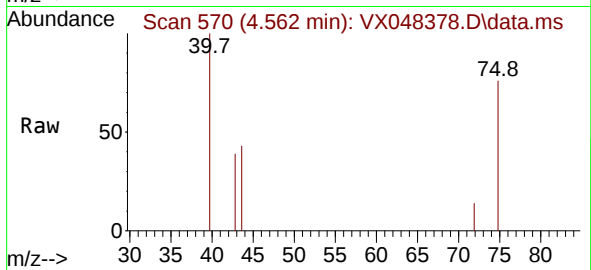




#25
2-Butanone
Concen: 1.686 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

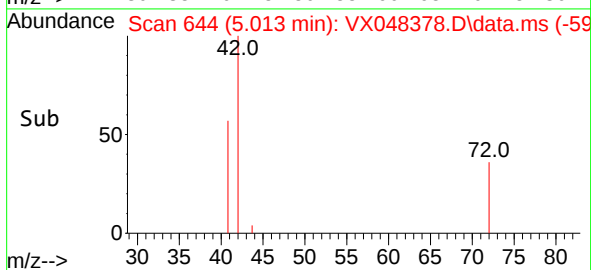
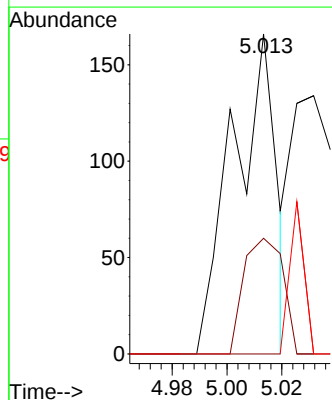
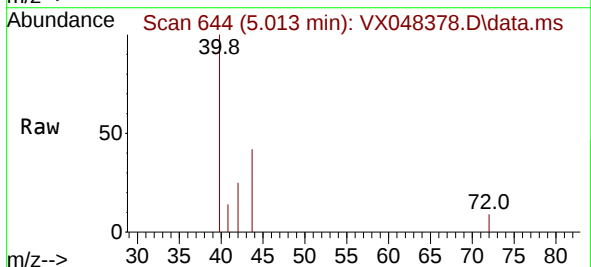
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

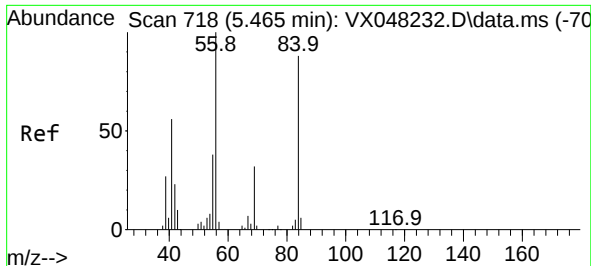
Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
72 17.3 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 42 Resp: 183
Ion Ratio Lower Upper
42 100
72 32.8 35.3 52.9#
71 15.8 32.2 48.4#

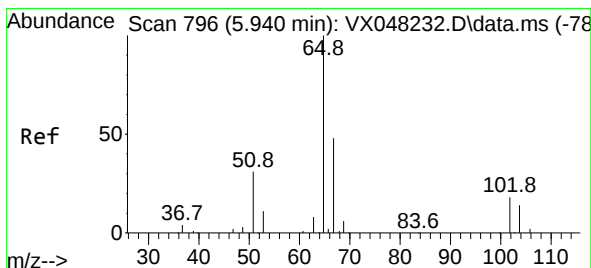
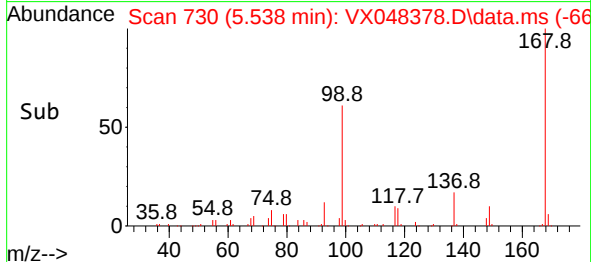
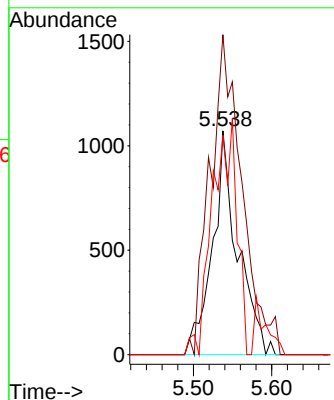
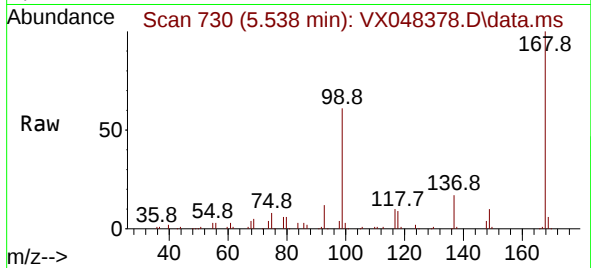




#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

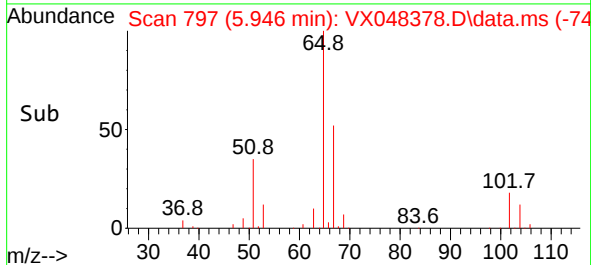
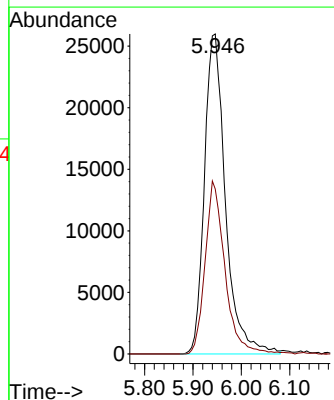
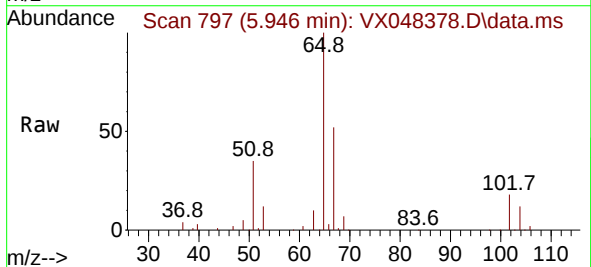
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

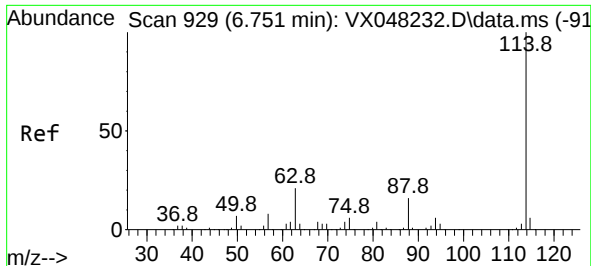
Tgt Ion: 56 Resp: 2400
Ion Ratio Lower Upper
56 100
69 142.9 23.0 34.6#
84 97.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.734 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 65 Resp: 78485
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048378.D

Acq: 27 Oct 2025 17:26

Instrument :

MSVOA_X

ClientSampleId :

P001-TW3-251023-01

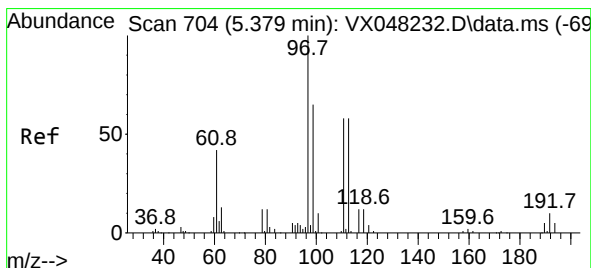
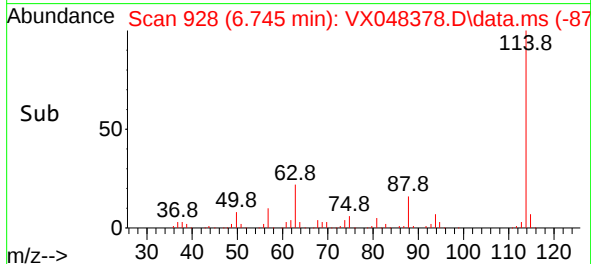
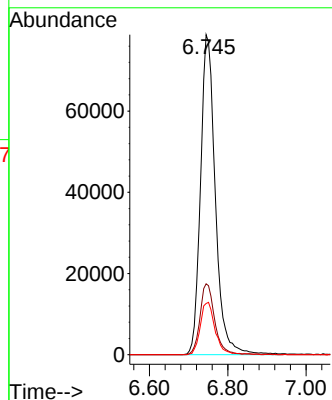
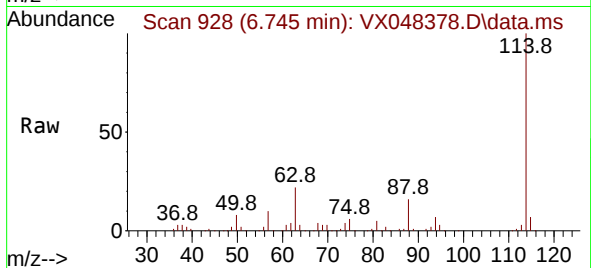
Tgt Ion:114 Resp: 207774

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

88 16.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 39.012 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048378.D

Acq: 27 Oct 2025 17:26

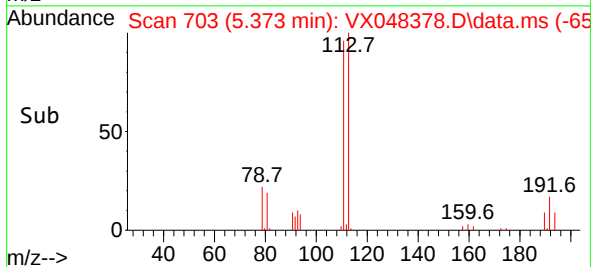
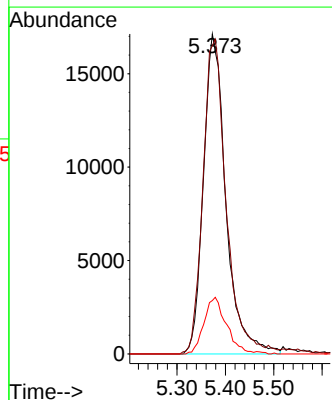
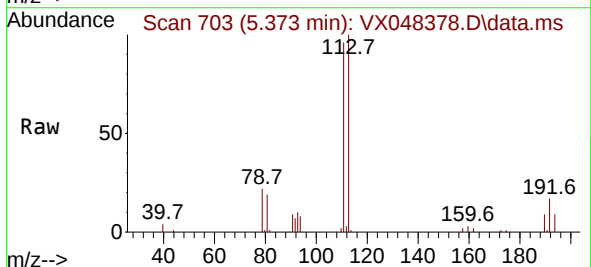
Tgt Ion:113 Resp: 55337

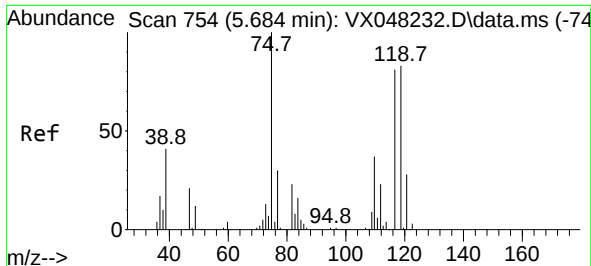
Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

192 17.6 15.1 22.7

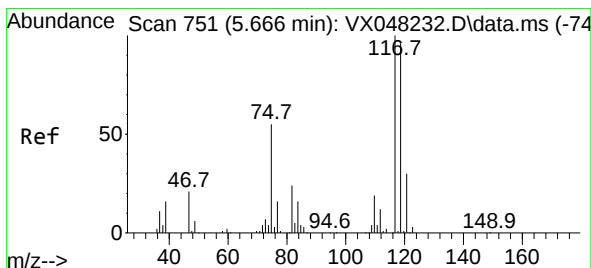
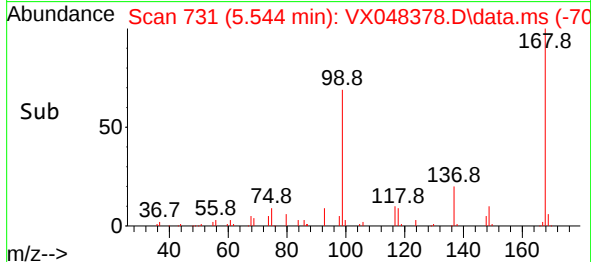
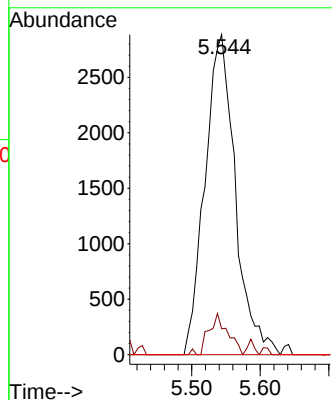
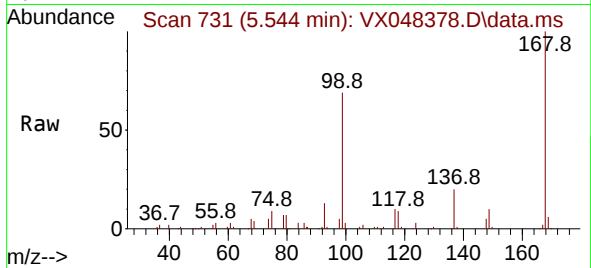




#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

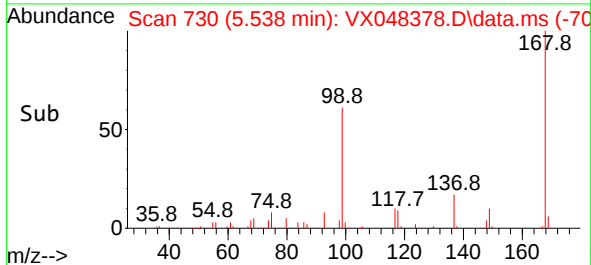
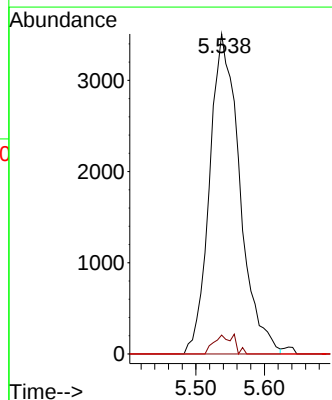
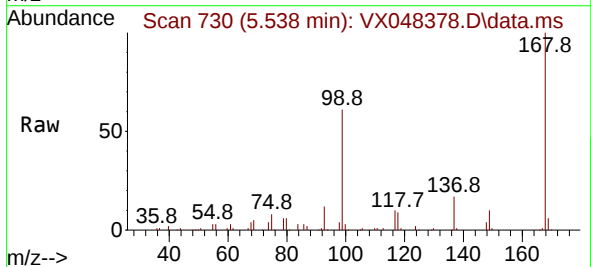
Instrument :
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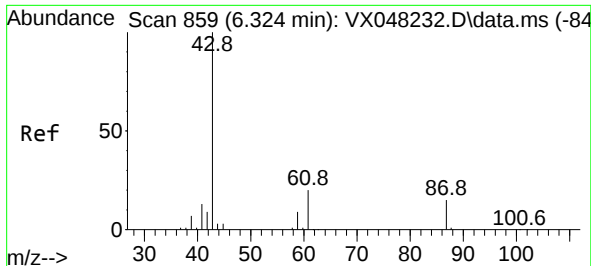
Tgt Ion: 75 Resp: 8860
Ion Ratio Lower Upper
75 100
110 8.1 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.321 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 117 Resp: 10747
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 24.8 37.2#

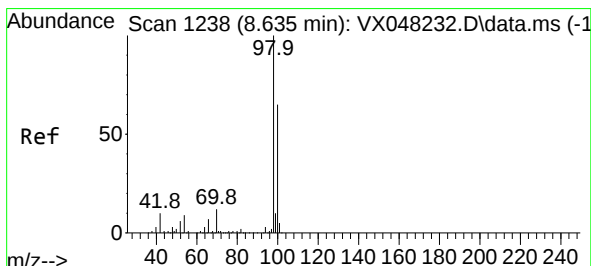
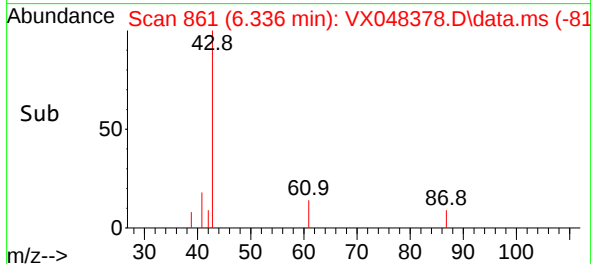
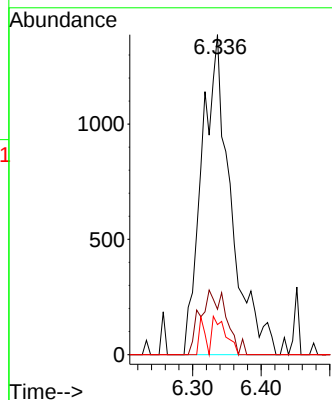
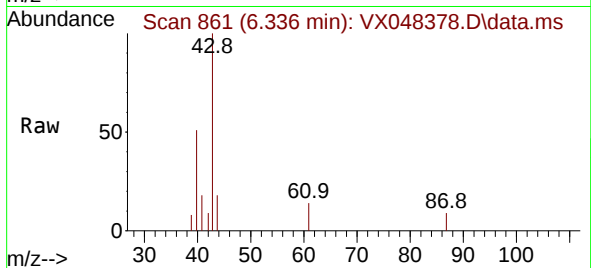




#43
Isopropyl Acetate
Concen: 1.490 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

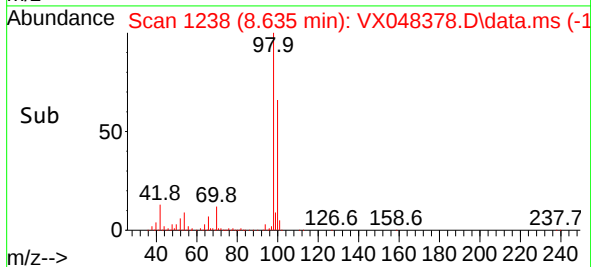
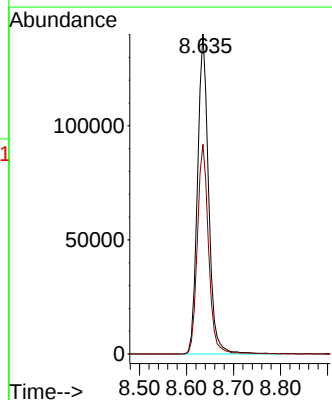
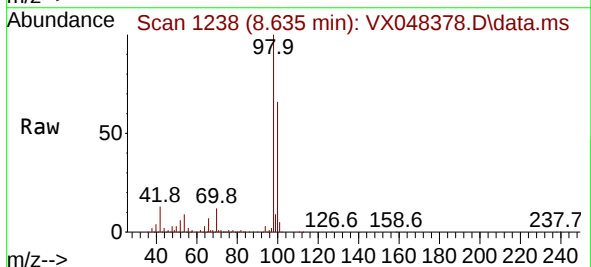
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

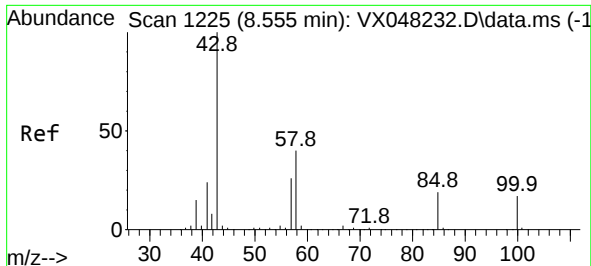
Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
61 18.0 14.9 22.3
87 5.7 9.4 14.2#



#50
Toluene-d8
Concen: 46.388 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 98 Resp: 230634
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

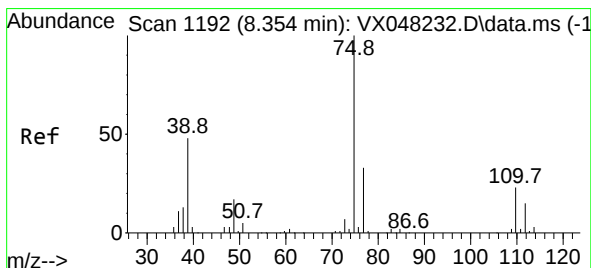
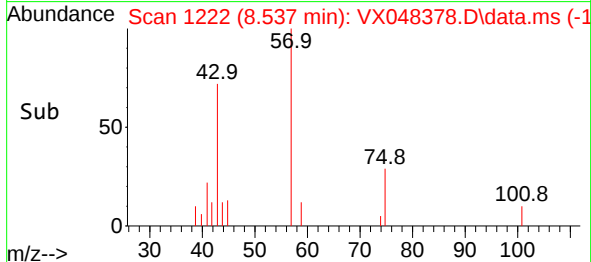
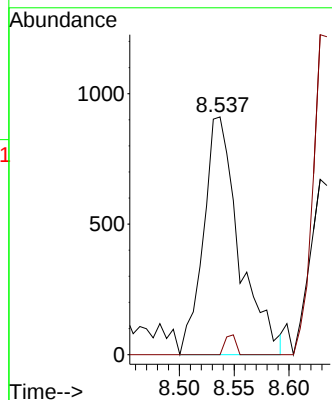
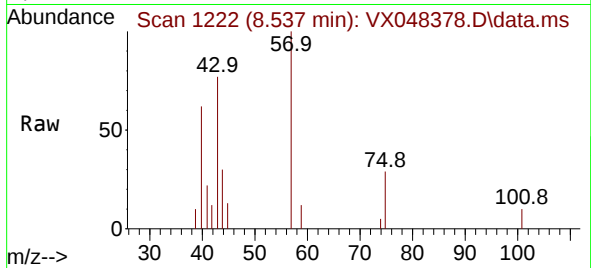




#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 8.537 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

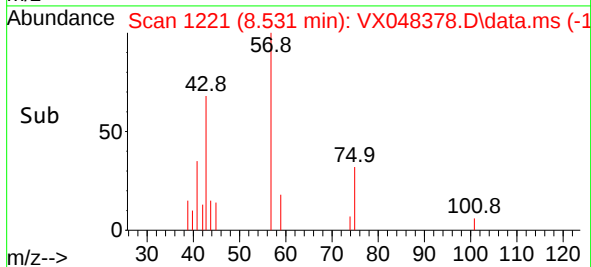
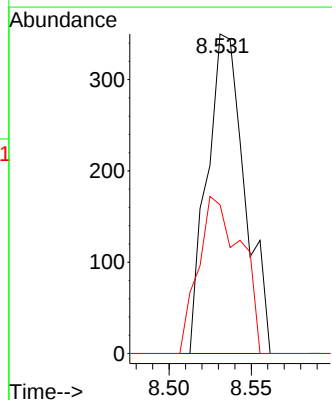
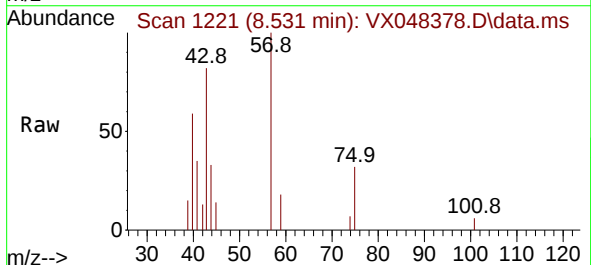
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

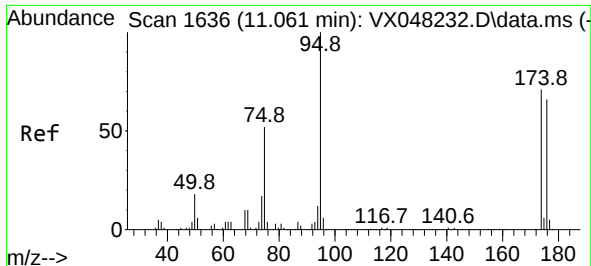
Tgt Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 75 Resp: 557
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 0.0 42.6 64.0#

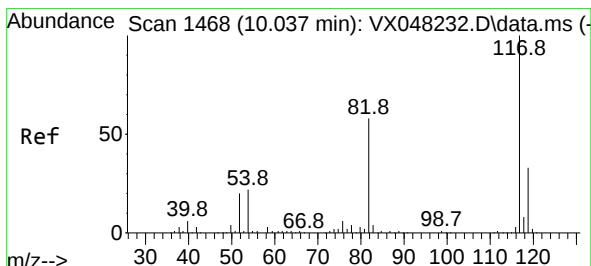
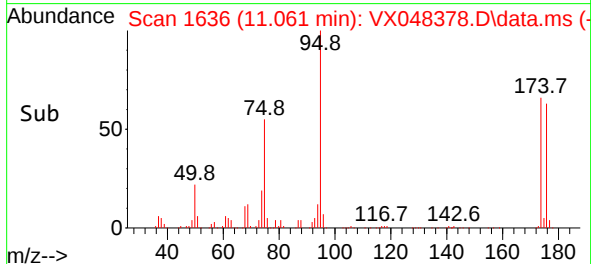
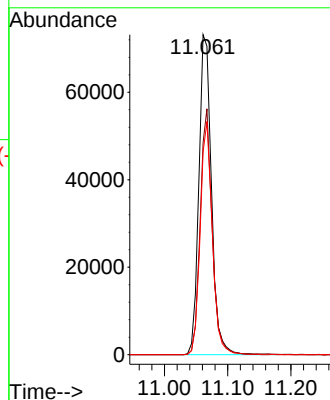
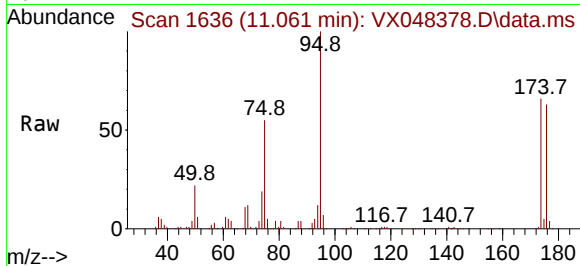




#62
4-Bromofluorobenzene
Concen: 53.741 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

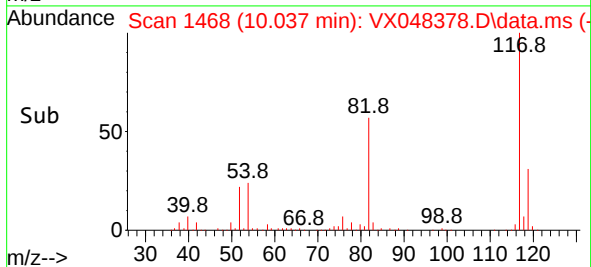
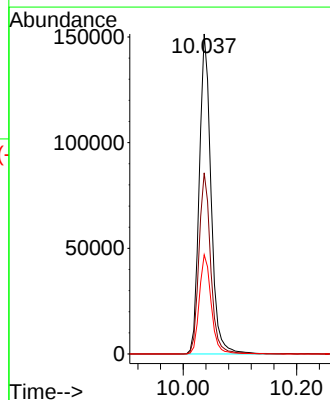
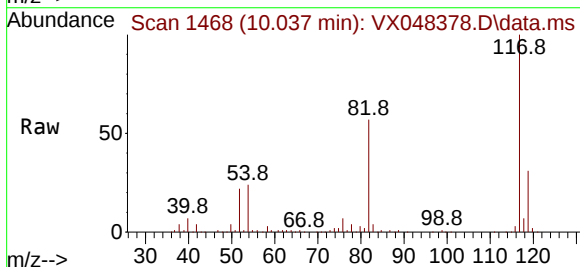
Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

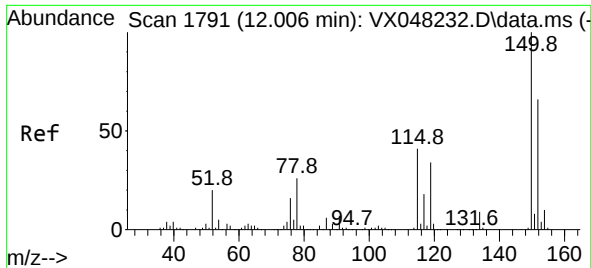
Tgt Ion: 95 Resp: 101648
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.8
176 70.1 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 117 Resp: 217355
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 31.0 25.9 38.9

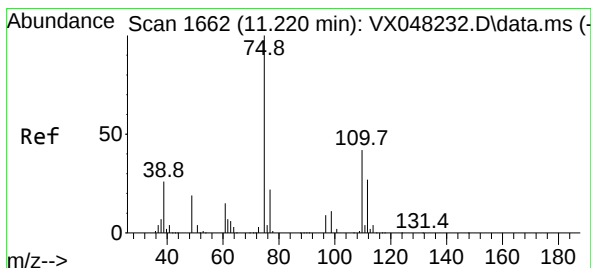
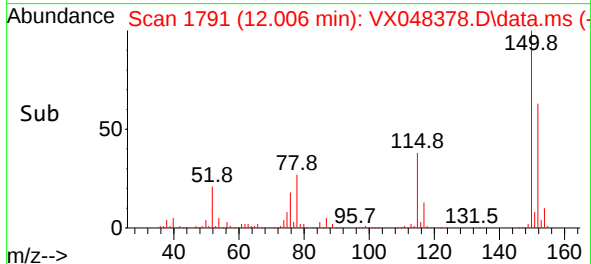
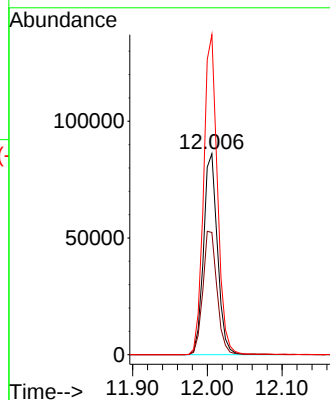
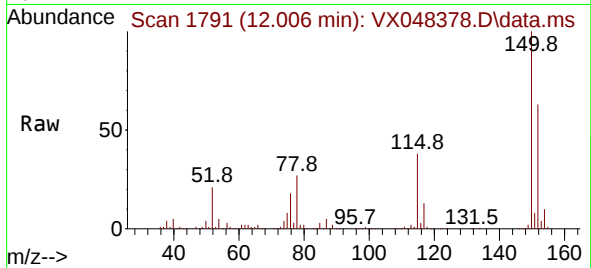




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048378.D
 Acq: 27 Oct 2025 17:26

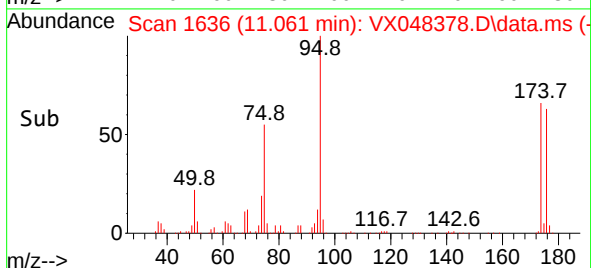
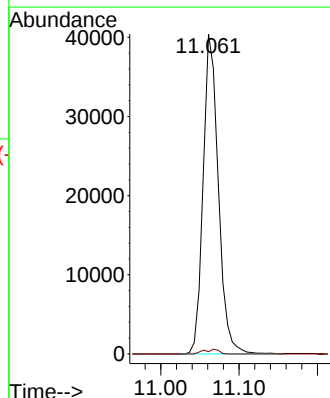
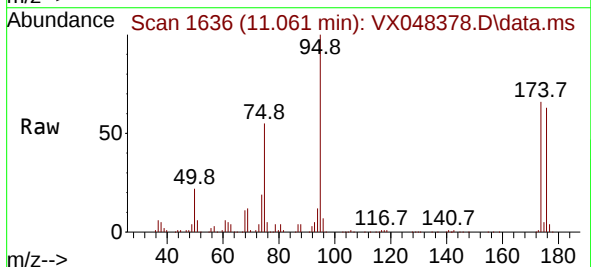
Instrument :
 MSVOA_X
 ClientSampleId :
 P001-TW3-251023-01

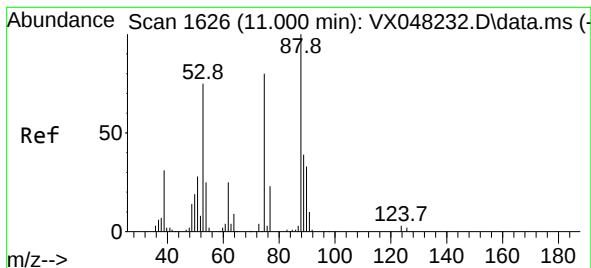
Tgt Ion:152 Resp: 111222
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.1 129.4
 150 157.8 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 30.189 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048378.D
 Acq: 27 Oct 2025 17:26

Tgt Ion: 75 Resp: 54451
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.4 67.2#

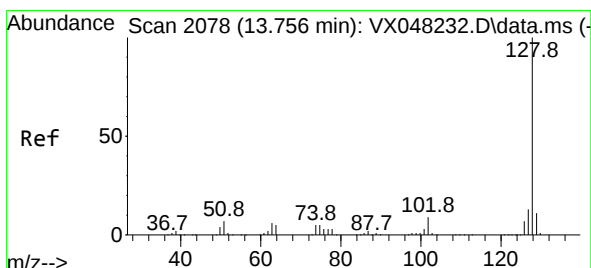
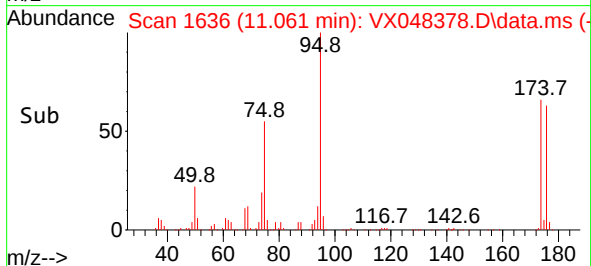
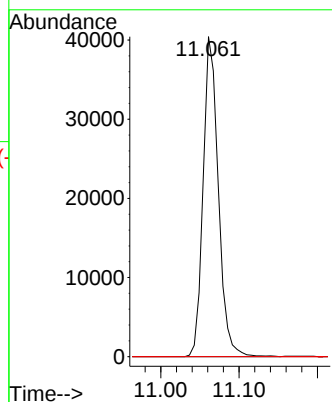
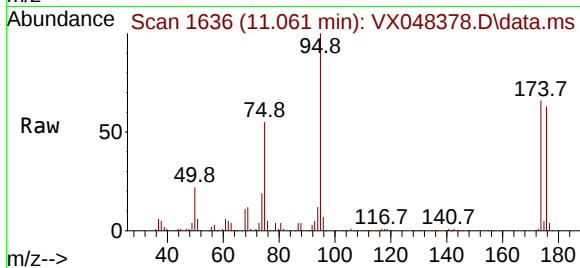




#81
trans-1,4-Dichloro-2-butene
Concen: 73.449 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
P001-TW3-251023-01

Tgt Ion: 75 Resp: 54451
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 0.660 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048378.D
Acq: 27 Oct 2025 17:26

Tgt Ion: 128 Resp: 4261
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 9.2 8.6 12.8

