

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048220.D
 Acq On : 17 Oct 2025 17:56
 Operator : JC/MD
 Sample : Q3357-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-4

Quant Time: Oct 18 00:22:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

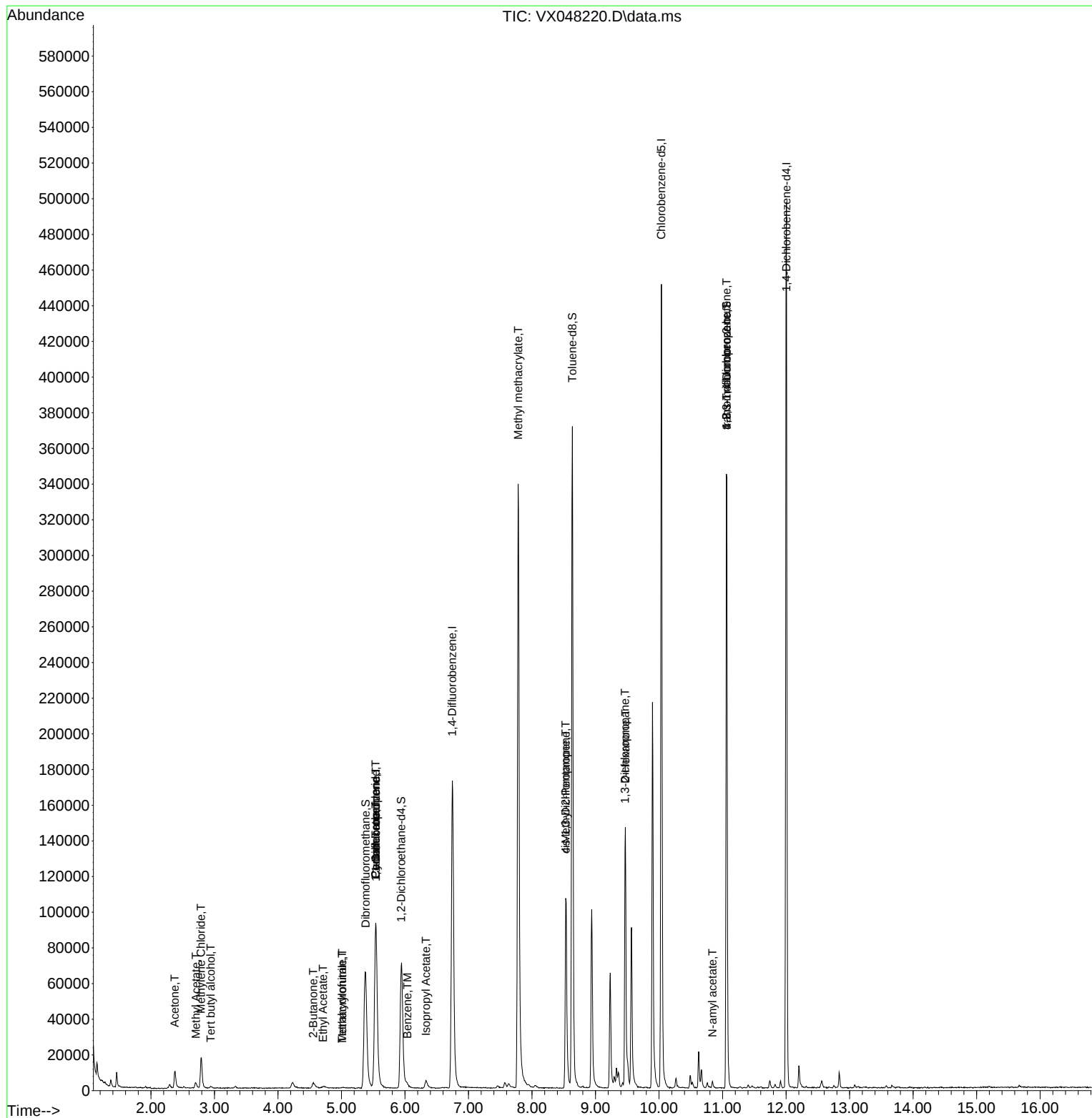
Internal Standards						
1) Pentafluorobenzene	5.538	168	95945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	190078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	79374	53.401	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.800%
35) Dibromofluoromethane	5.379	113	65435	49.602	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.200%
50) Toluene-d8	8.635	98	228173	48.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.020%
62) 4-Bromofluorobenzene	11.061	95	100967	58.330	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	593	6.013	ug/l #	72
16) Acetone	2.374	43	12355	24.366	ug/l	95
18) Methyl Acetate	2.709	43	4726	4.576	ug/l	98
20) Methylene Chloride	2.788	84	8754	7.087	ug/l	95
25) 2-Butanone	4.556	43	5643	9.553	ug/l #	76
29) Tetrahydrofuran	5.007	42	101	0.291	ug/l #	48
31) Cyclohexane	5.538	56	1973	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7561	4.069	ug/l #	49
37) Ethyl Acetate	4.708	43	2889	1.945	ug/l #	71
38) Carbon Tetrachloride	5.538	117	9861	4.623	ug/l #	15
40) Benzene	6.038	78	2054	0.372	ug/l	99
41) Methacrylonitrile	5.013	41	206	0.259	ug/l #	29
43) Isopropyl Acetate	6.330	43	6383	2.560	ug/l #	93
48) Methyl methacrylate	7.781	41	34108	26.726	ug/l #	46
51) 4-Methyl-2-Pentanone	8.531	43	42491	30.629	ug/l #	53
54) cis-1,3-Dichloropropene	8.531	75	19730	8.897	ug/l #	60
57) 1,3-Dichloropropane	9.464	76	1425	0.659	ug/l #	43
59) 2-Hexanone	9.470	43	20155	20.770	ug/l #	56
74) N-amyl acetate	10.842	43	952	0.341	ug/l #	48
76) 1,2,3-Trichloropropane	11.061	75	52160	31.702	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	52160	77.625	ug/l #	10

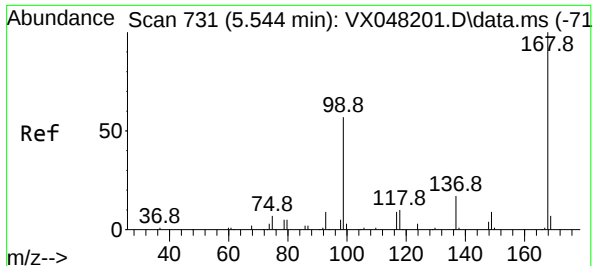
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048220.D
Acq On : 17 Oct 2025 17:56
Operator : JC/MD
Sample : Q3357-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

Quant Time: Oct 18 00:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

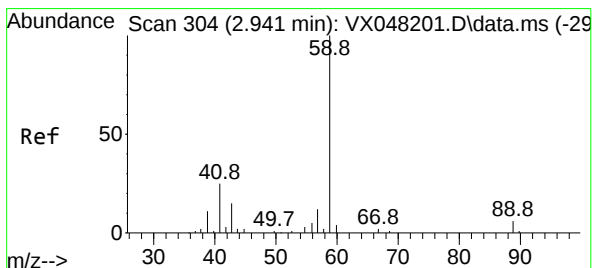
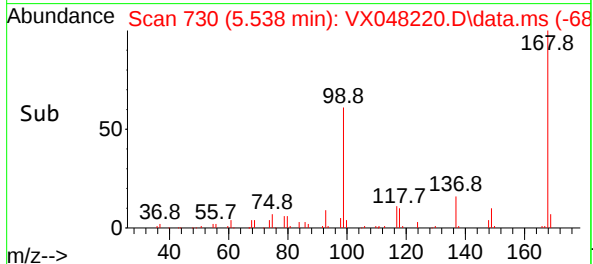
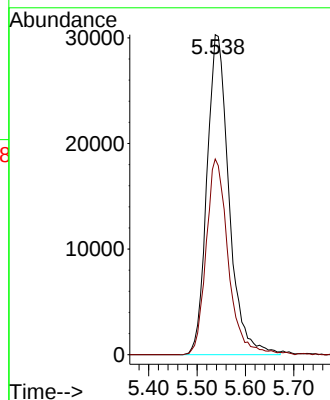
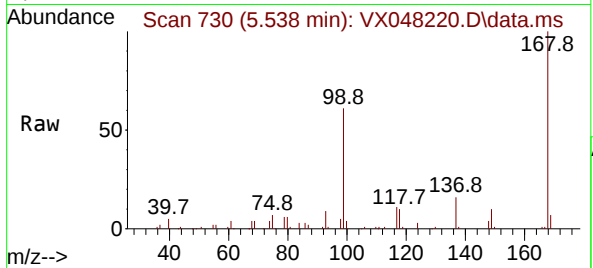




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

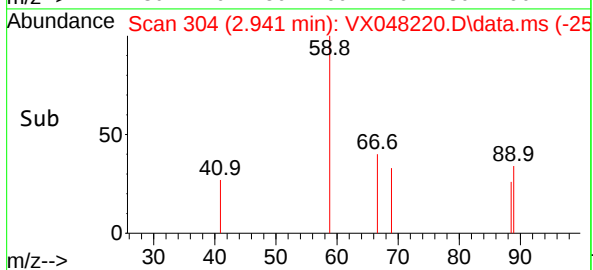
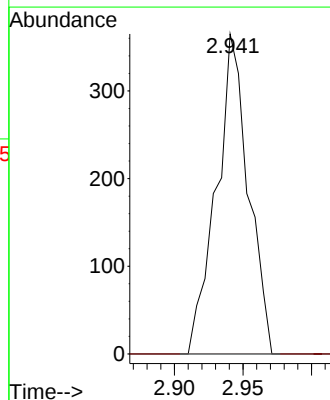
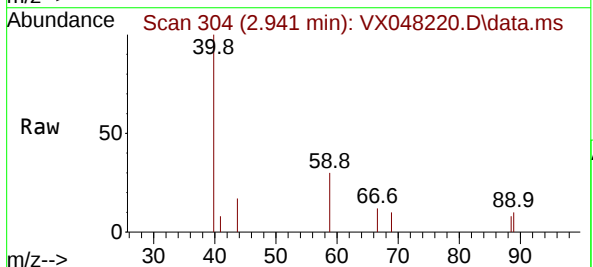
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

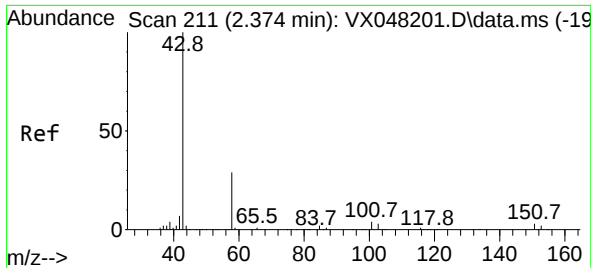
Tgt Ion:168 Resp: 95945
Ion Ratio Lower Upper
168 100
99 61.2 46.4 69.6



#11
Tert butyl alcohol
Concen: 6.013 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

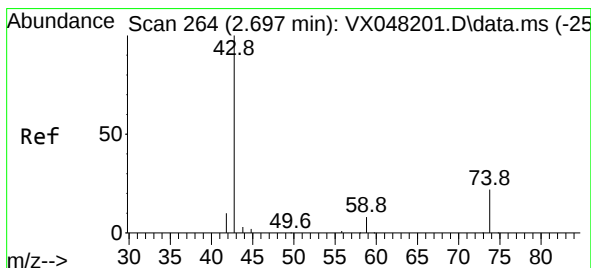
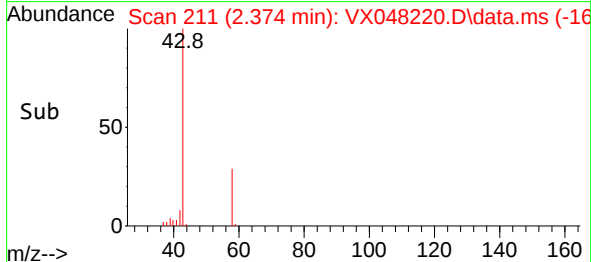
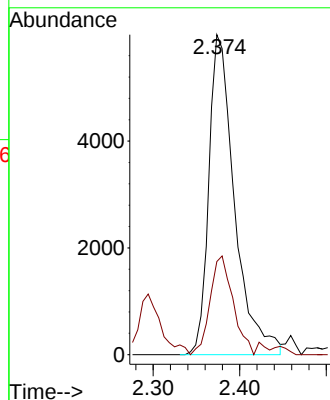
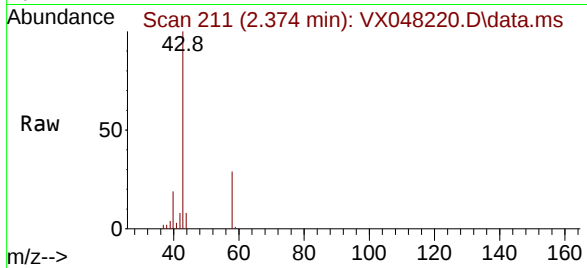




#16
Acetone
Concen: 24.366 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

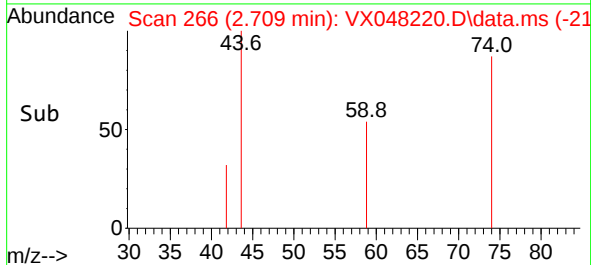
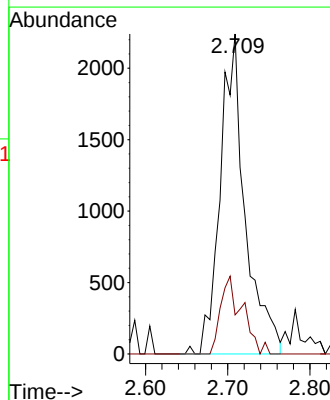
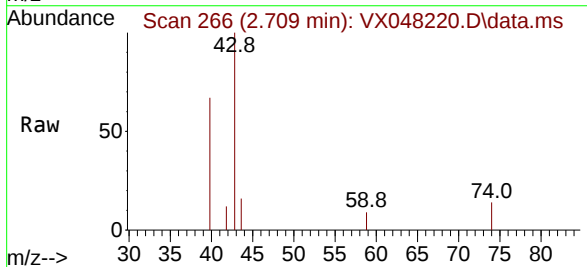
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

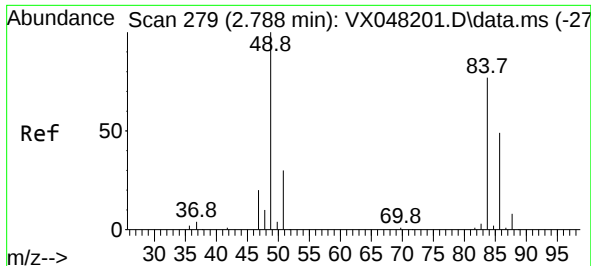
Tgt Ion: 43 Resp: 12355
Ion Ratio Lower Upper
43 100
58 26.5 23.4 35.2



#18
Methyl Acetate
Concen: 4.576 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 43 Resp: 4726
Ion Ratio Lower Upper
43 100
74 21.1 17.5 26.3

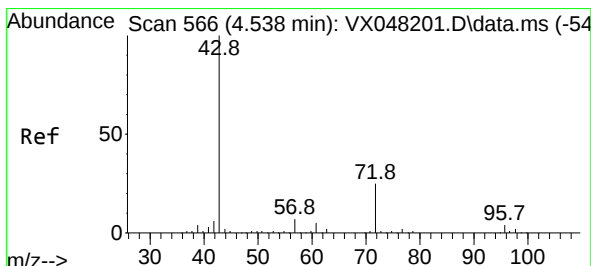
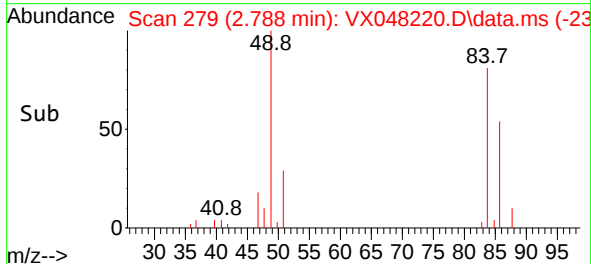
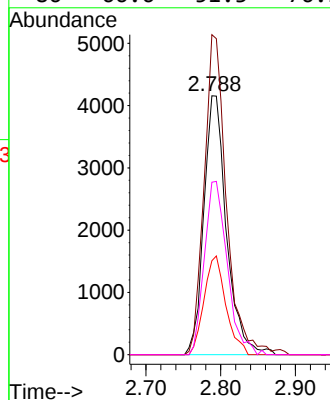
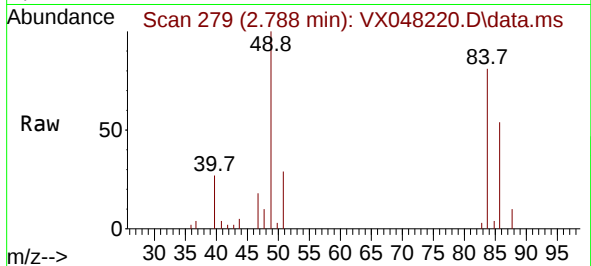




#20
Methylene Chloride
Concen: 7.087 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

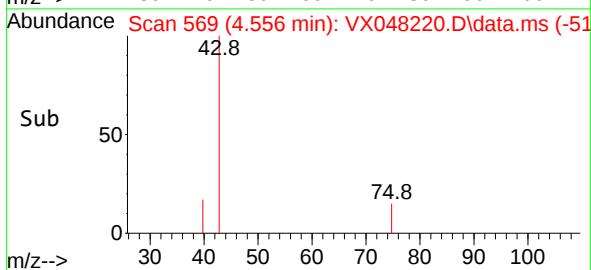
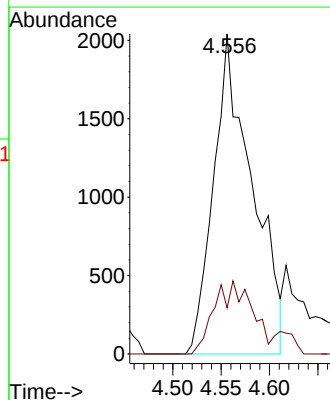
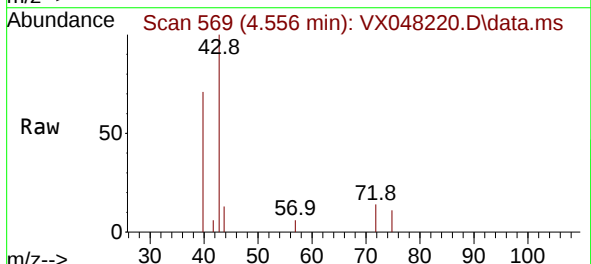
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

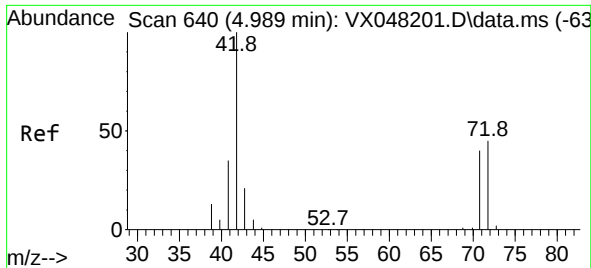
Tgt Ion:	84	Resp:	8754
Ion	Ratio	Lower	Upper
84	100		
49	123.6	104.1	156.1
51	36.3	31.3	46.9
86	66.6	51.3	76.9



#25
2-Butanone
Concen: 9.553 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion:	43	Resp:	5643
Ion	Ratio	Lower	Upper
43	100		
72	12.8	19.9	29.9#

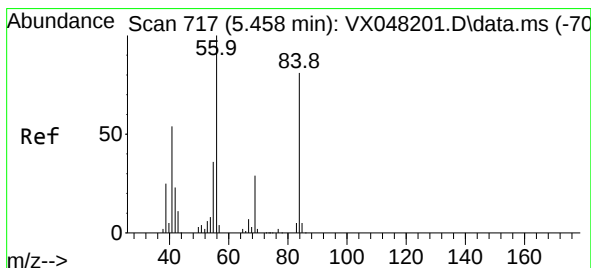
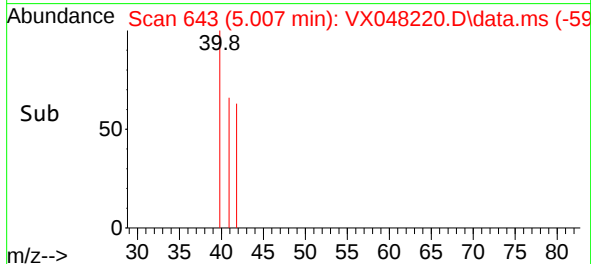
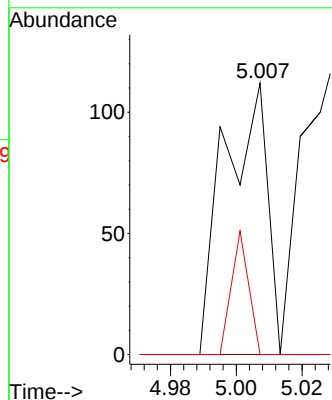
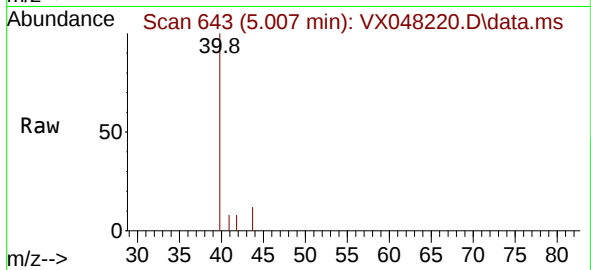




#29
Tetrahydrofuran
Concen: 0.291 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

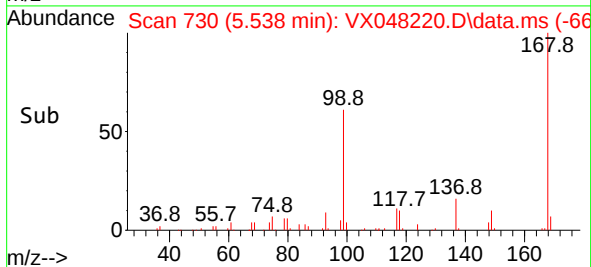
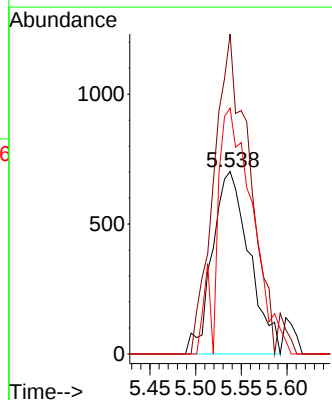
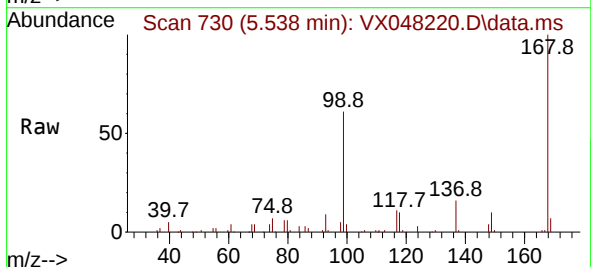
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

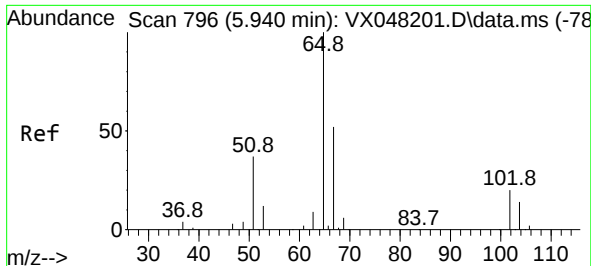
Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 18.8 32.2 48.4#



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 56 Resp: 1973
Ion Ratio Lower Upper
56 100
69 175.5 23.0 34.6#
84 134.9 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.401 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

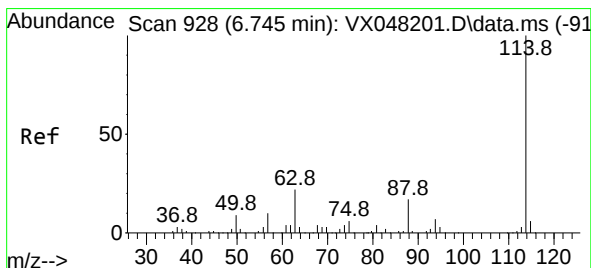
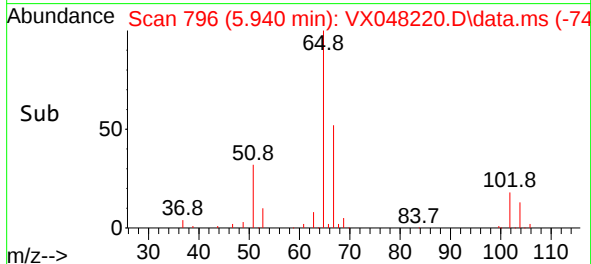
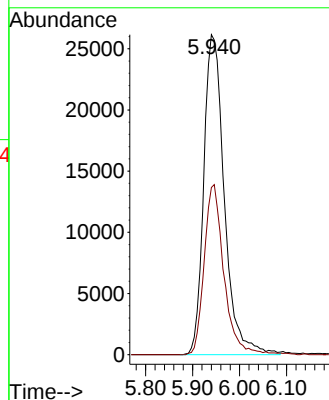
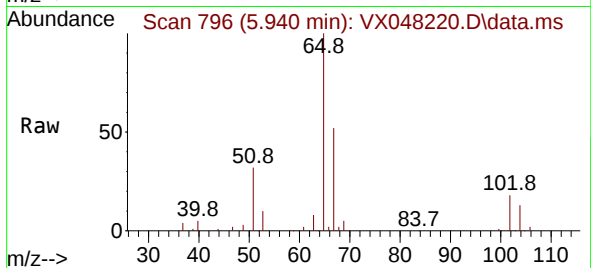
DRUM-4

Tgt Ion: 65 Resp: 79374

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

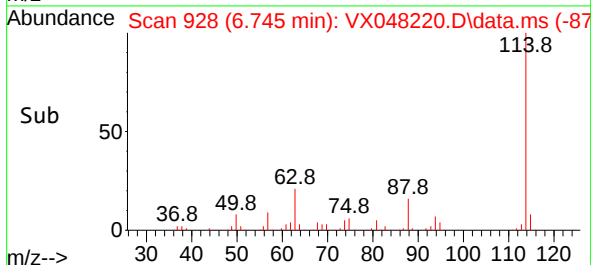
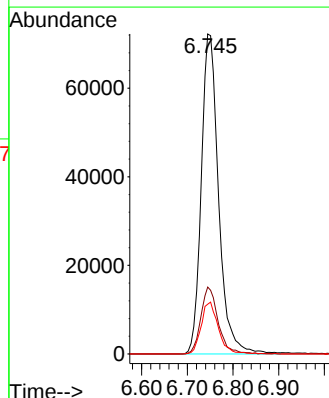
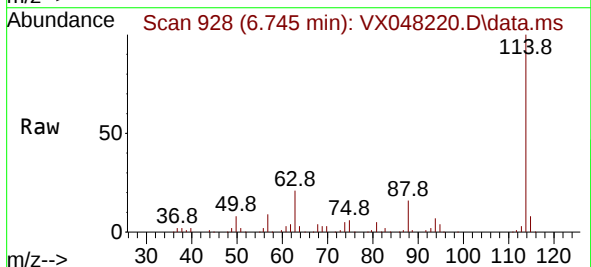
Tgt Ion: 114 Resp: 190078

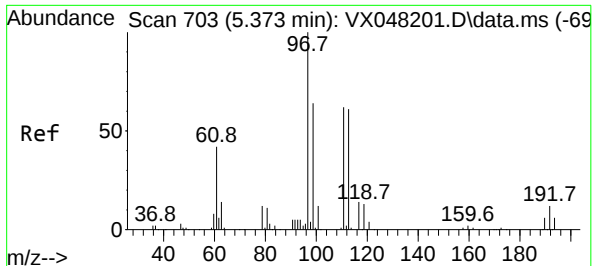
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.5 0.0 33.6

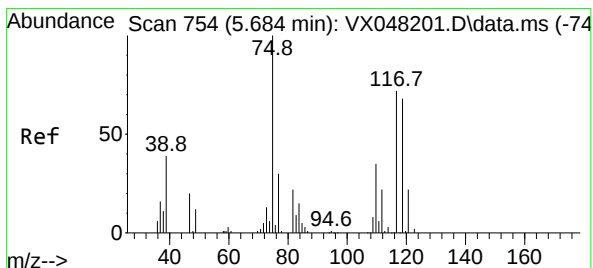
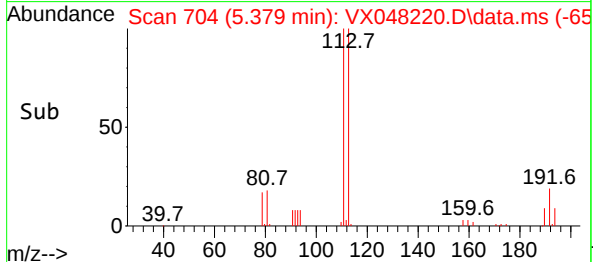
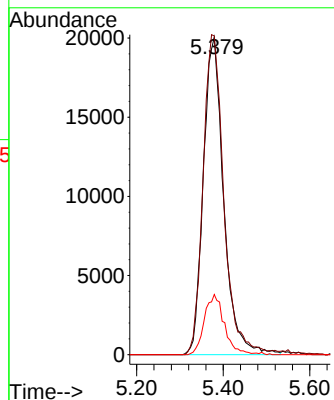
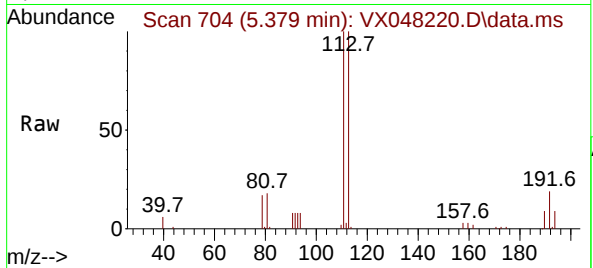




#35
Dibromofluoromethane
Concen: 49.602 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

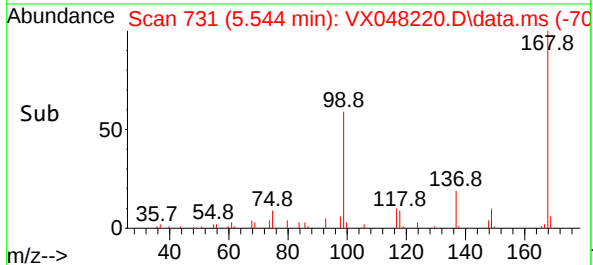
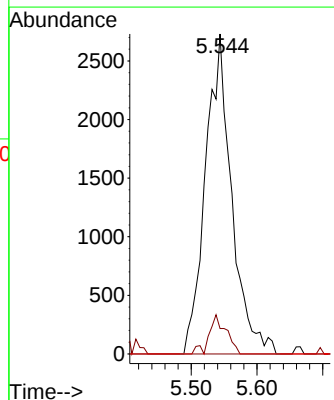
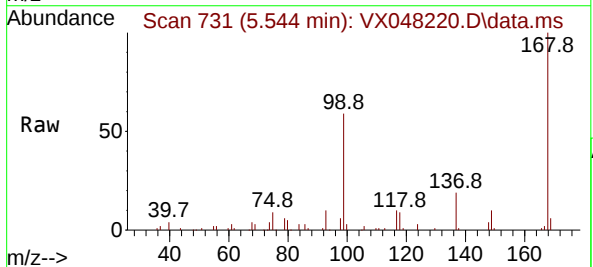
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

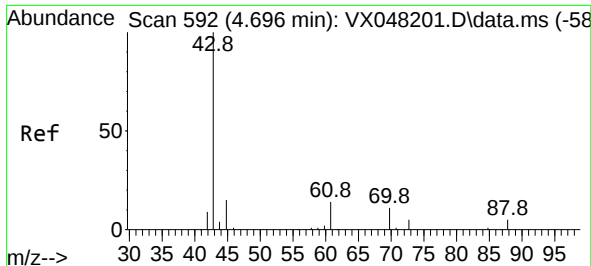
Tgt Ion:113 Resp: 65435
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 18.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.069 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 75 Resp: 7561
Ion Ratio Lower Upper
75 100
110 8.0 17.7 53.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.945 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

DRUM-4

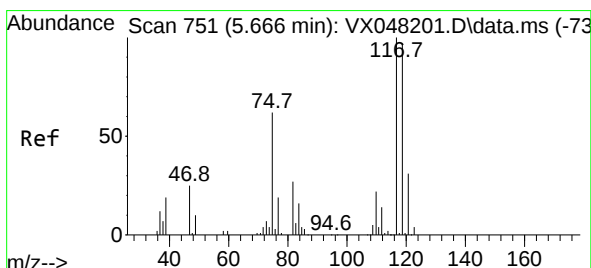
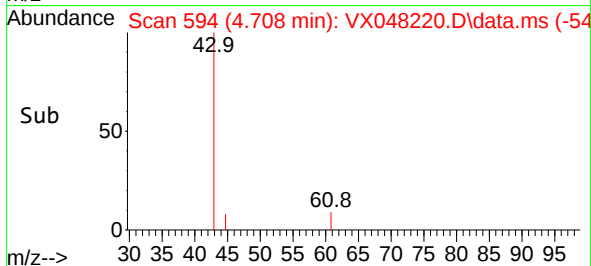
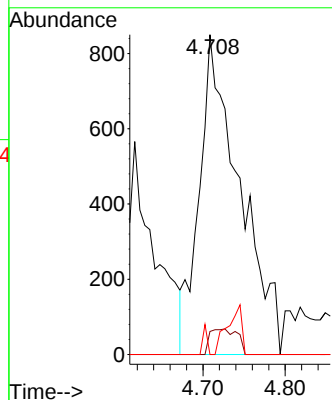
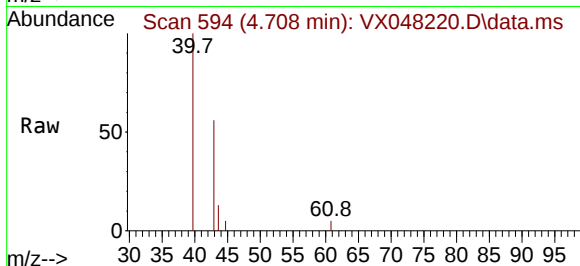
Tgt Ion: 43 Resp: 2889

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 1.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.623 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

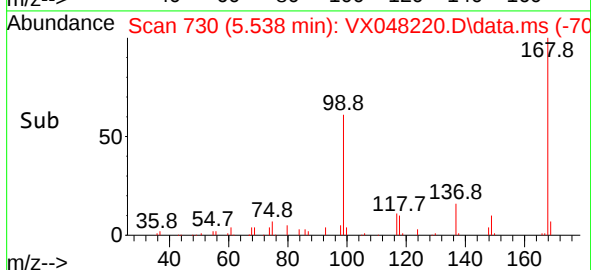
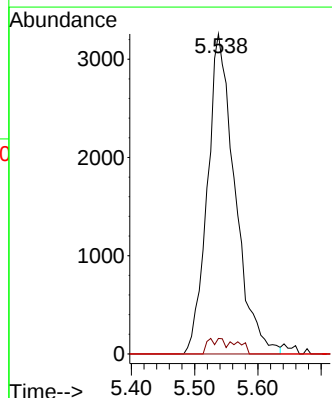
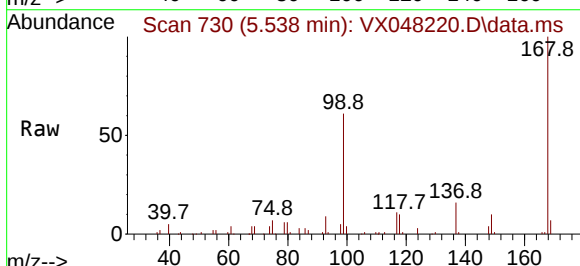
Tgt Ion:117 Resp: 9861

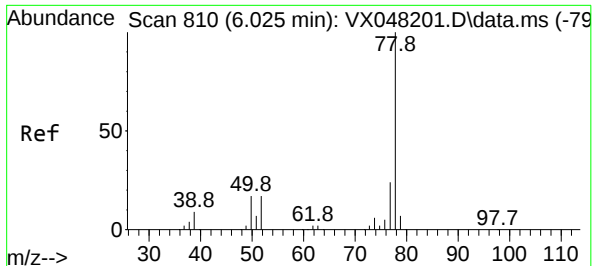
Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

121 0.0 24.8 37.2#

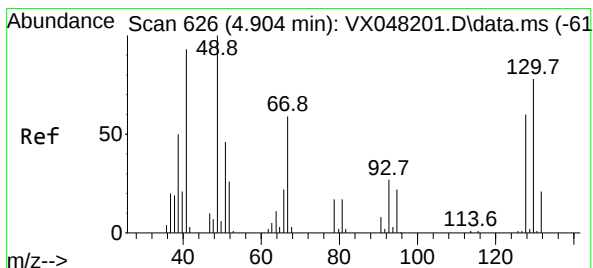
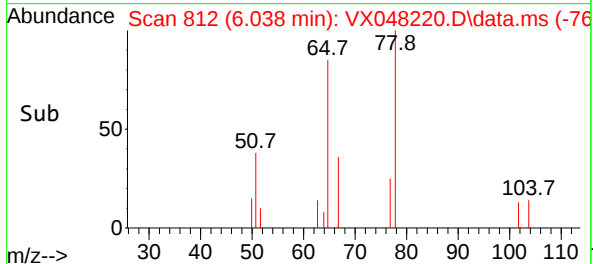
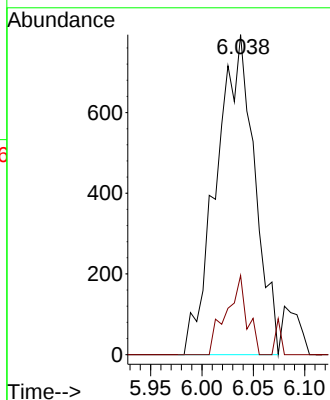
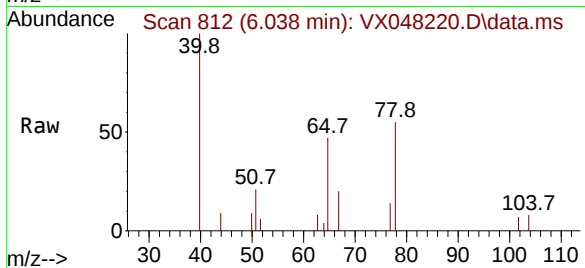




#40
Benzene
Concen: 0.372 ug/l
RT: 6.038 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

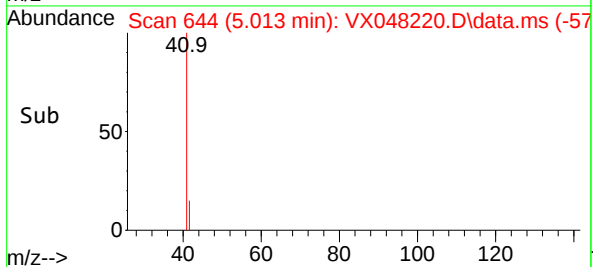
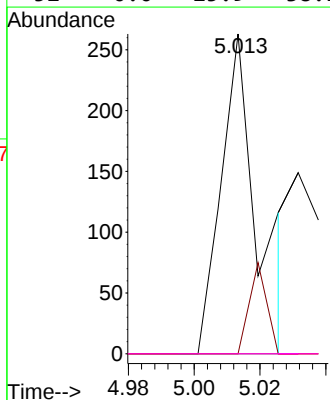
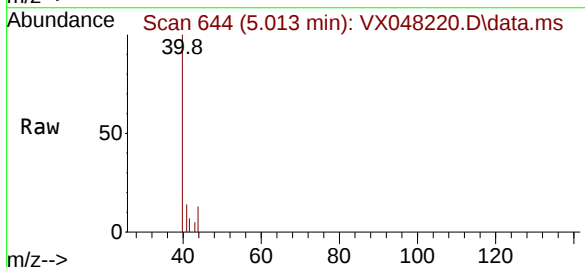
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

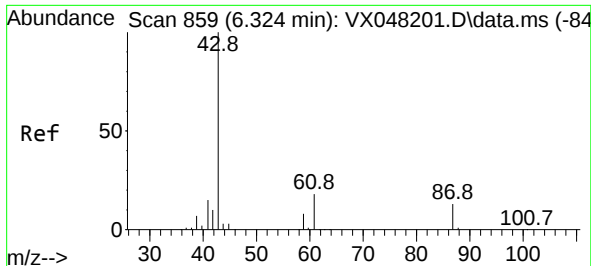
Tgt Ion: 78 Resp: 2054
Ion Ratio Lower Upper
78 100
77 24.7 19.3 28.9



#41
Methacrylonitrile
Concen: 0.259 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
39 13.1 44.0 66.0#
67 0.0 58.7 88.1#
52 0.0 25.9 38.9#

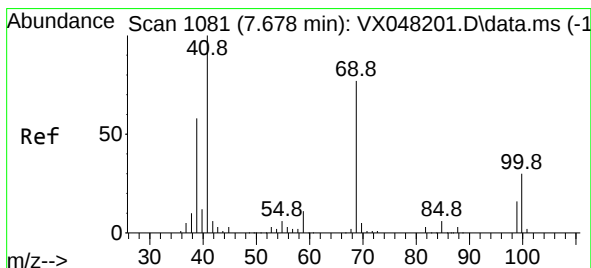
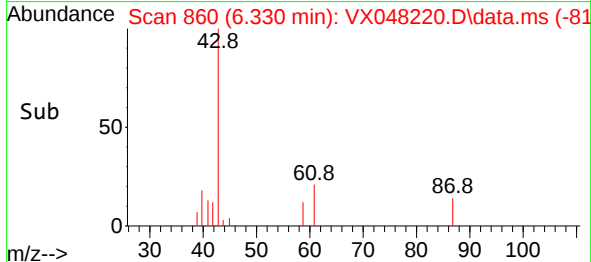
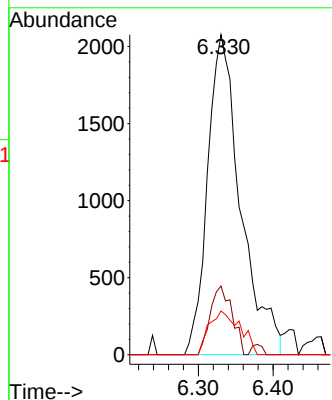
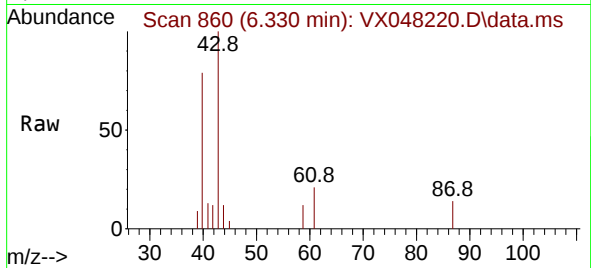




#43
Isopropyl Acetate
Concen: 2.560 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

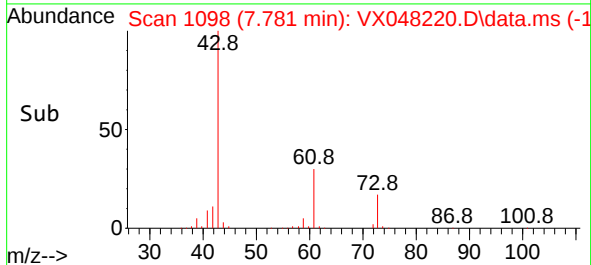
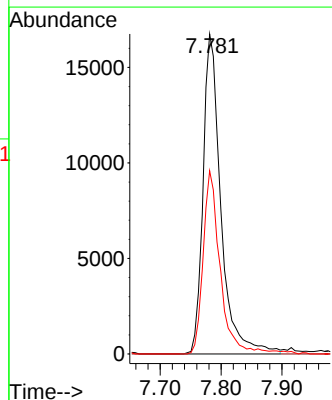
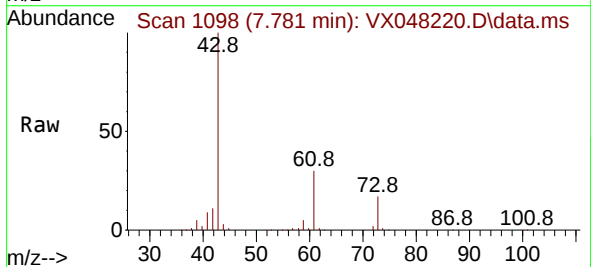
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

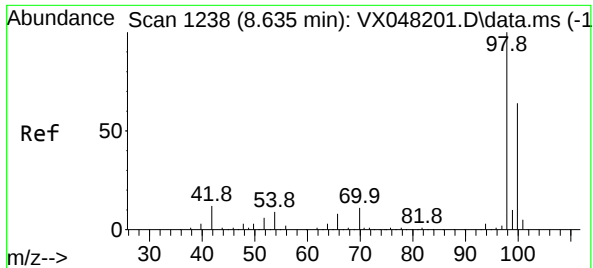
Tgt Ion: 43 Resp: 6383
Ion Ratio Lower Upper
43 100
61 14.2 14.9 22.3#
87 12.8 9.4 14.2



#48
Methyl methacrylate
Concen: 26.726 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 41 Resp: 34108
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 55.1 47.1 70.7

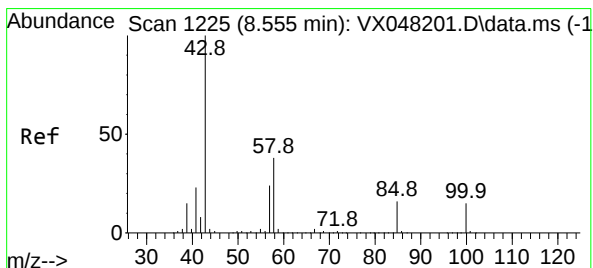
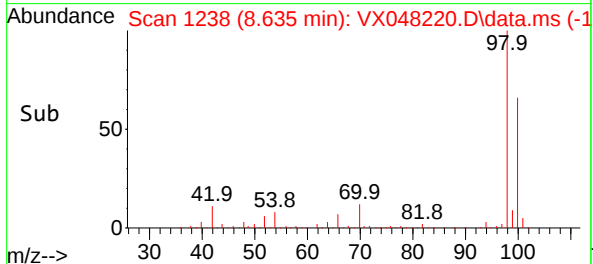
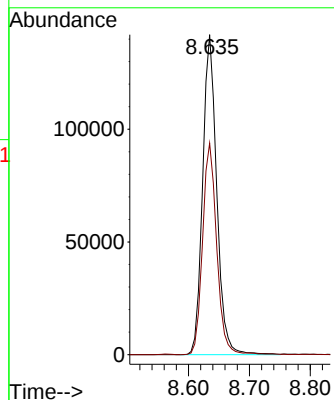
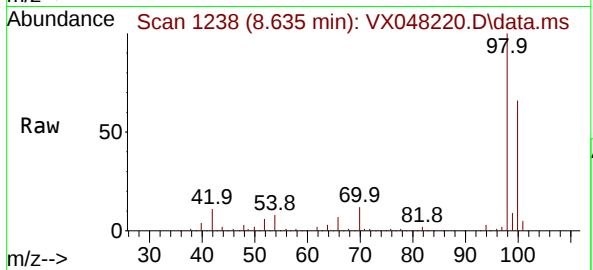




#50
Toluene-d8
Concen: 48.011 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

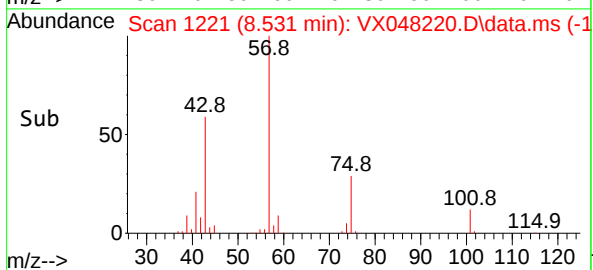
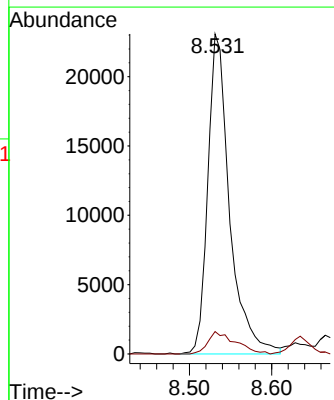
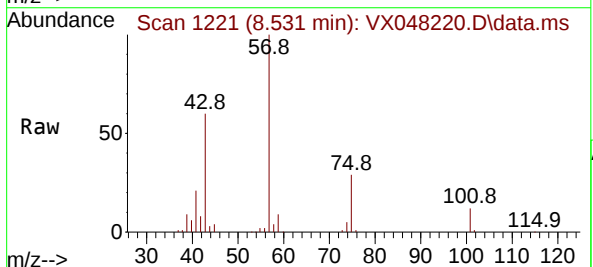
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

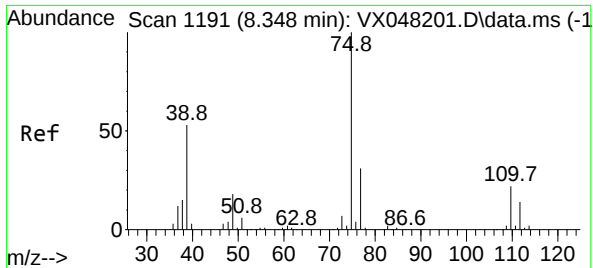
Tgt Ion: 98 Resp: 228173
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 30.629 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion: 43 Resp: 42491
Ion Ratio Lower Upper
43 100
58 8.9 29.5 44.3#

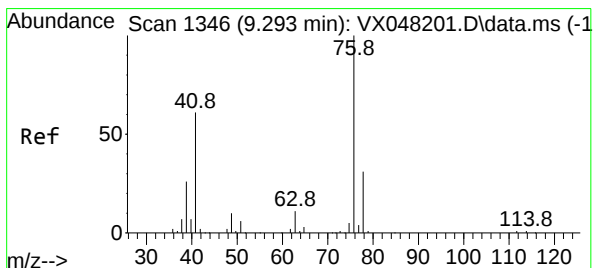
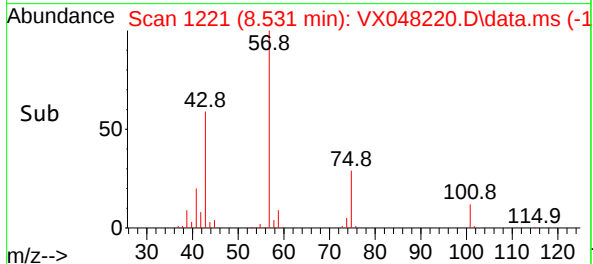
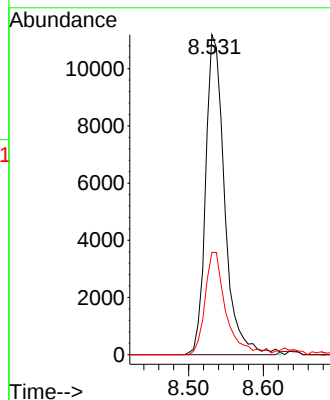
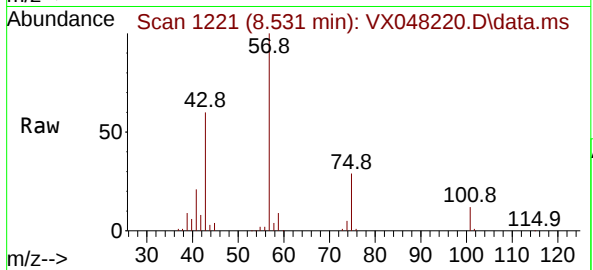




#54
 cis-1,3-Dichloropropene
 Concen: 8.897 ug/l
 RT: 8.531 min Scan# 1191
 Delta R.T. 0.183 min
 Lab File: VX048220.D
 Acq: 17 Oct 2025 17:56

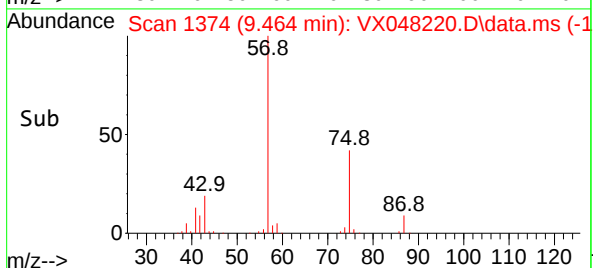
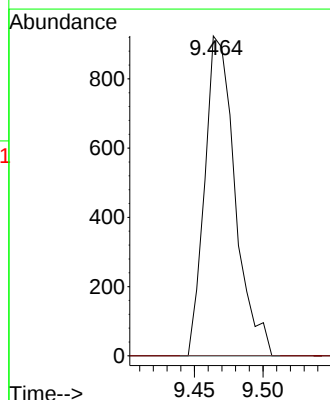
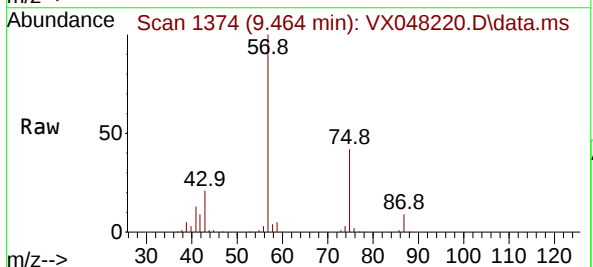
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-4

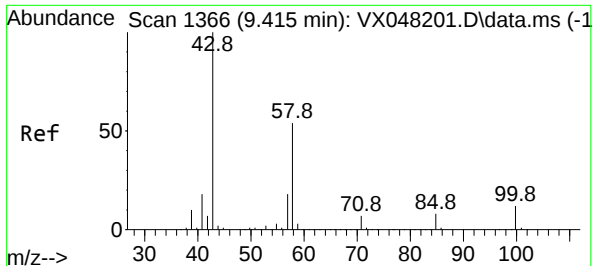
Tgt Ion: 75 Resp: 19730
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 32.0 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.659 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.171 min
 Lab File: VX048220.D
 Acq: 17 Oct 2025 17:56

Tgt Ion: 76 Resp: 1425
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 20.770 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

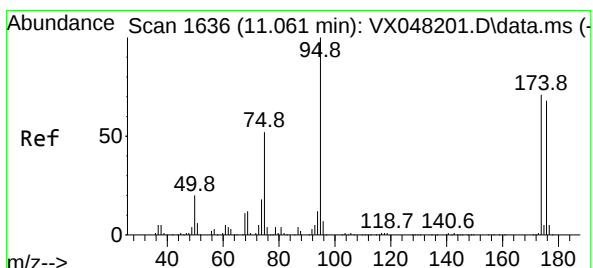
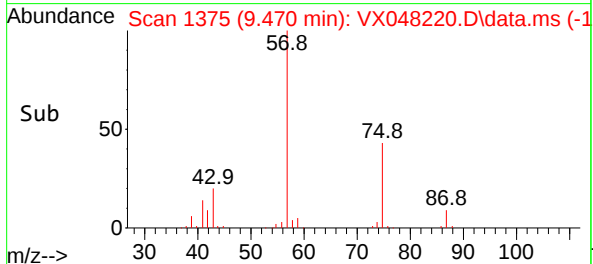
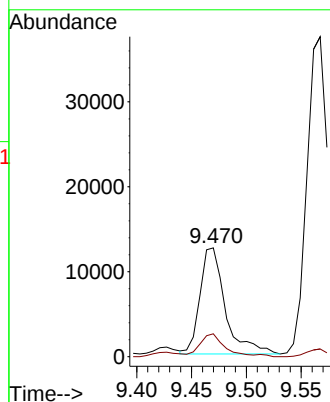
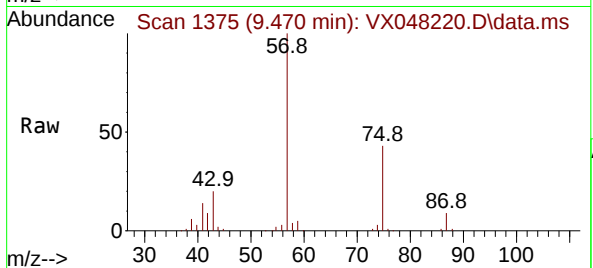
DRUM-4

Tgt Ion: 43 Resp: 20155

Ion Ratio Lower Upper

43 100

58 21.2 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 58.330 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

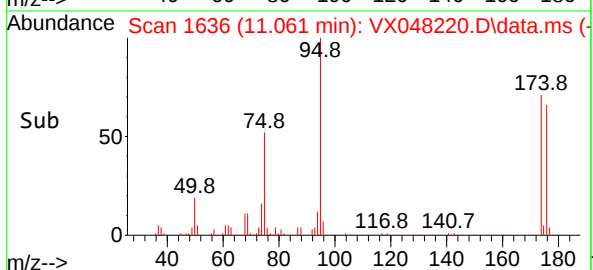
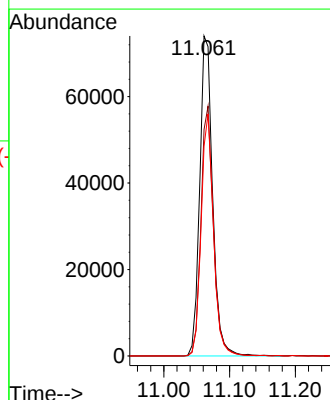
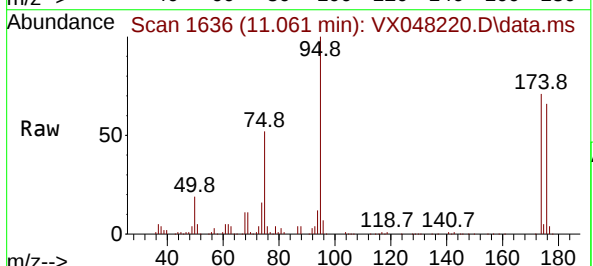
Tgt Ion: 95 Resp: 100967

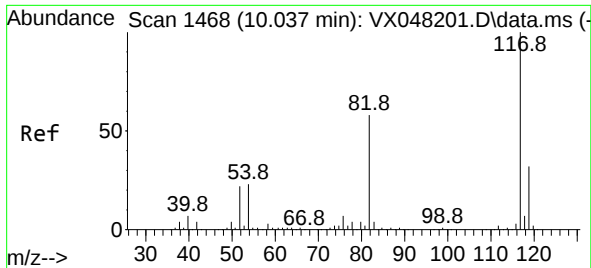
Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.8

176 72.8 0.0 142.8

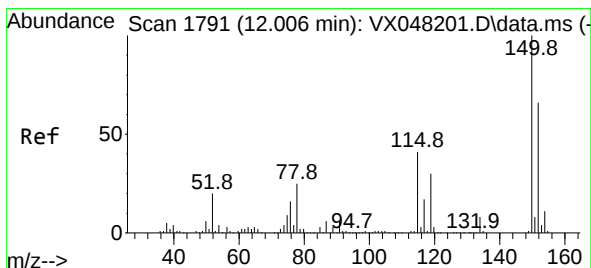
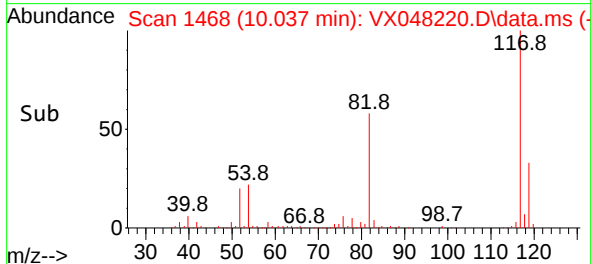
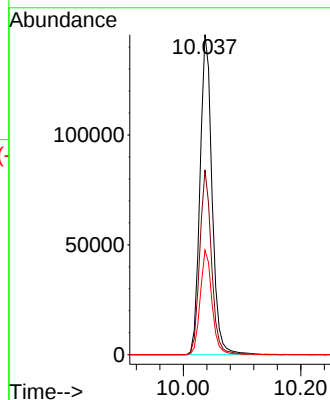
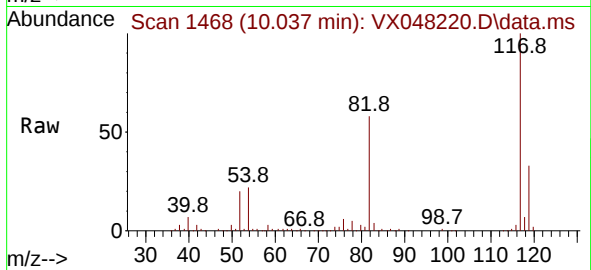




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

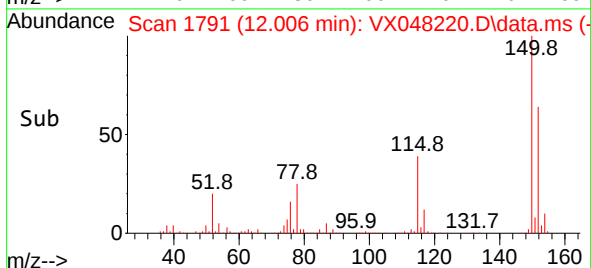
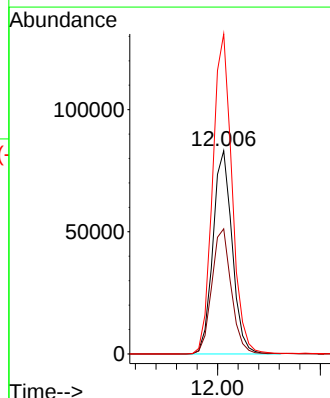
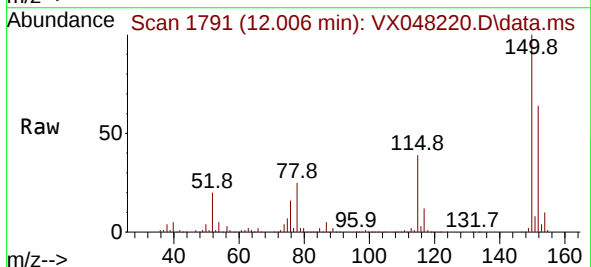
Instrument :
MSVOA_X
ClientSampleId :
DRUM-4

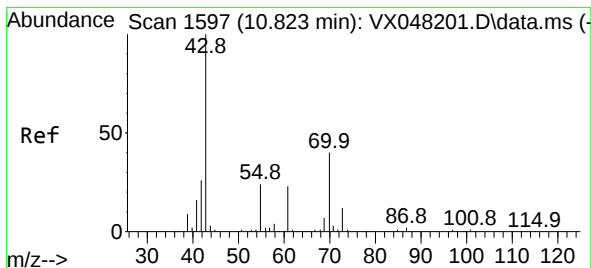
Tgt Ion:117 Resp: 207785
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048220.D
Acq: 17 Oct 2025 17:56

Tgt Ion:152 Resp: 107748
Ion Ratio Lower Upper
152 100
115 62.6 43.1 129.4
150 158.7 0.0 353.0





#74

N-amy1 acetate

Concen: 0.341 ug/l

RT: 10.842 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX048220.D

Acq: 17 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

DRUM-4

Tgt Ion: 43 Resp: 952

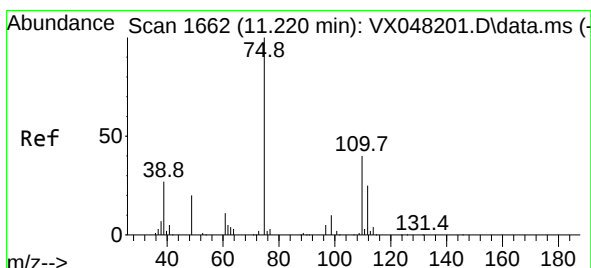
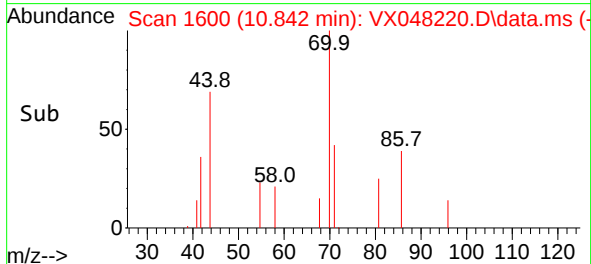
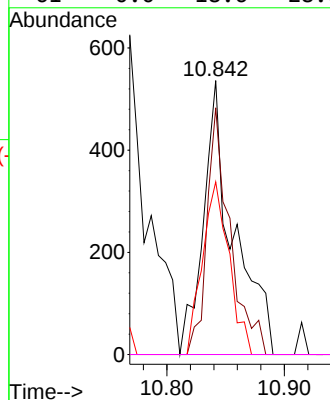
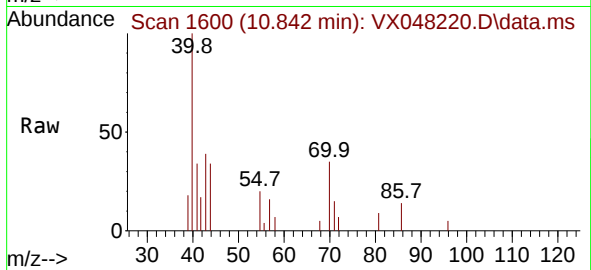
Ion Ratio Lower Upper

43 100

70 69.2 32.2 48.2#

55 55.9 19.1 28.7#

61 0.0 18.6 28.0#



#76

1,2,3-Trichloropropane

Concen: 31.702 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048220.D

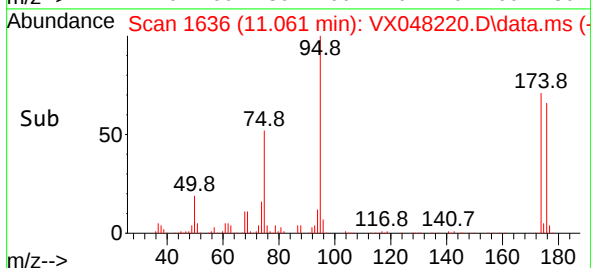
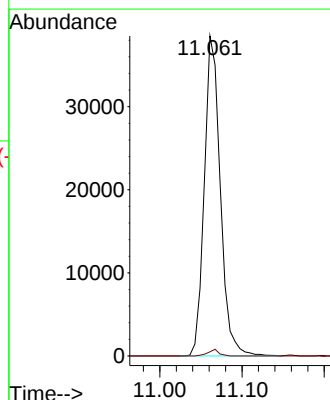
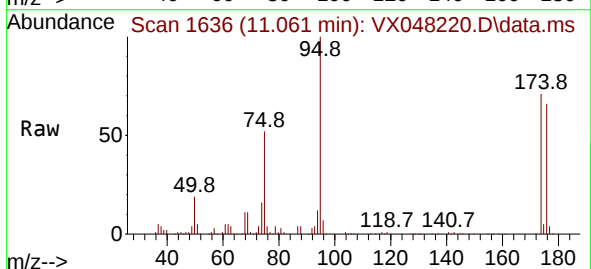
Acq: 17 Oct 2025 17:56

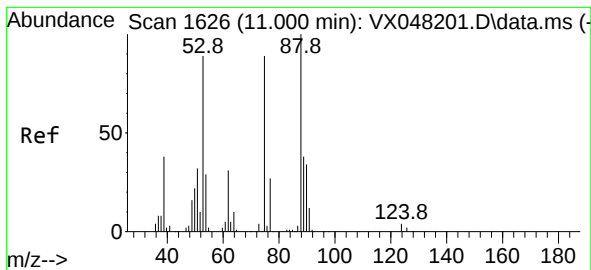
Tgt Ion: 75 Resp: 52160

Ion Ratio Lower Upper

75 100

77 1.4 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.625 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048220.D
 Acq: 17 Oct 2025 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-4

Tgt Ion: 75 Resp: 52160
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 36.8 55.2#

