

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048218.D
 Acq On : 17 Oct 2025 17:15
 Operator : JC/MD
 Sample : Q3357-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-2

Quant Time: Oct 18 00:21:53 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

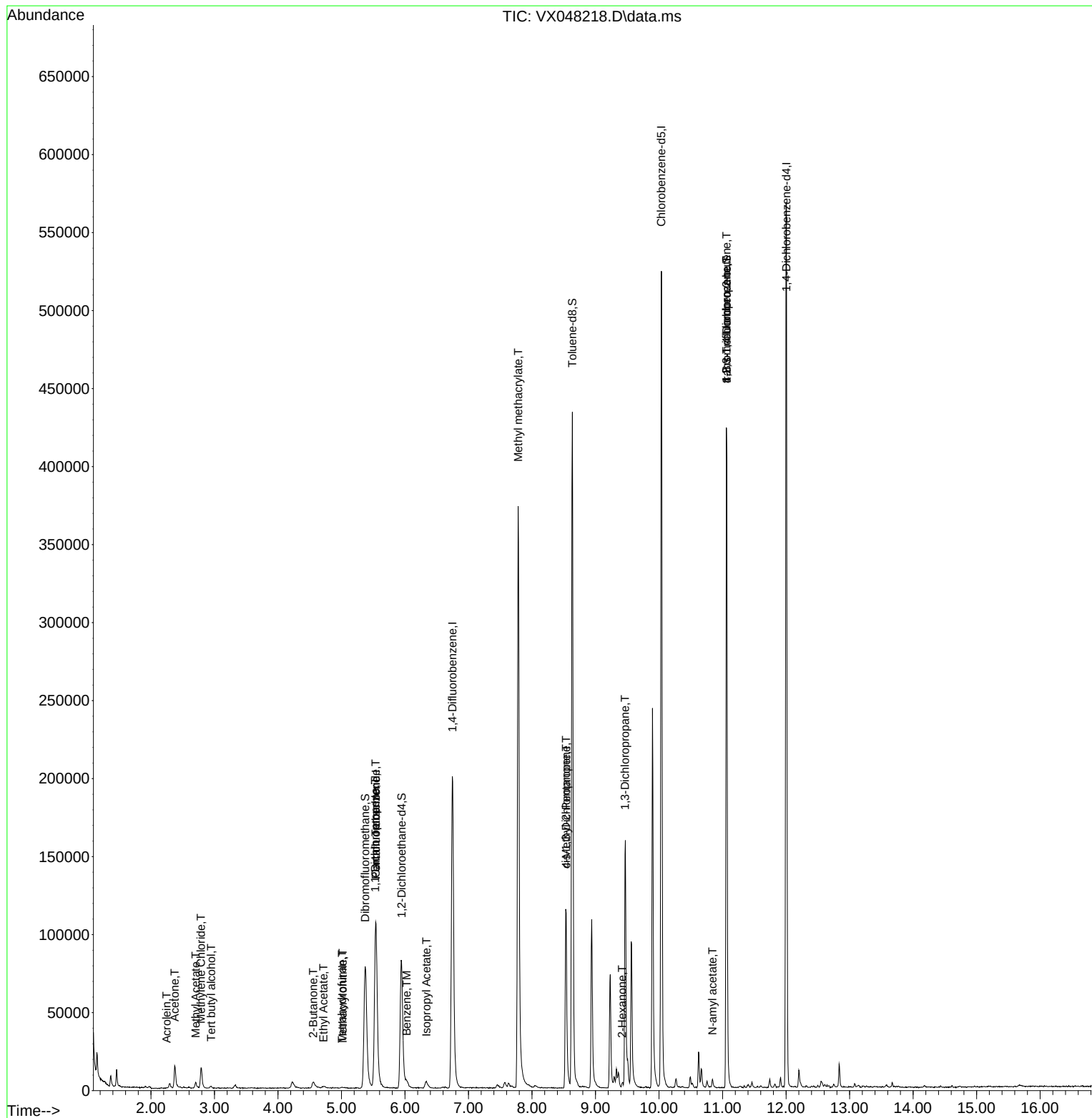
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	128439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89844	52.372	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.740%	
35) Dibromofluoromethane	5.373	113	78199	50.496	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.000%	
50) Toluene-d8	8.635	98	270471	48.480	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	11.061	95	122577	60.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.640%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	743	6.527	ug/l #	72
13) Acrolein	2.246	56	105	0.439	ug/l #	1
16) Acetone	2.374	43	18281	31.238	ug/l	100
18) Methyl Acetate	2.703	43	5107	4.285	ug/l	100
20) Methylene Chloride	2.788	84	6824	4.787	ug/l	94
25) 2-Butanone	4.556	43	8687	12.741	ug/l #	89
29) Tetrahydrofuran	5.007	42	218	0.544	ug/l #	33
36) 1,1-Dichloropropene	5.532	75	8818	4.042	ug/l #	51
37) Ethyl Acetate	4.715	43	2082	1.194	ug/l #	95
38) Carbon Tetrachloride	5.538	117	11193	4.470	ug/l #	17
40) Benzene	6.025	78	3734	0.576	ug/l #	87
41) Methacrylonitrile	5.019	41	228	0.244	ug/l #	46
43) Isopropyl Acetate	6.336	43	6875	2.349	ug/l	97
48) Methyl methacrylate	7.781	41	36872	24.612	ug/l #	44
51) 4-Methyl-2-Pentanone	8.537	43	45065	27.672	ug/l #	54
54) cis-1,3-Dichloropropene	8.537	75	21179	8.135	ug/l #	59
57) 1,3-Dichloropropane	9.464	76	1549	0.610	ug/l #	43
59) 2-Hexanone	9.421	43	1985	1.743	ug/l	98
74) N-amyl acetate	10.842	43	1158	0.347	ug/l #	20
76) 1,2,3-Trichloropropane	11.061	75	62774	32.006	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.061	75	62774	78.371	ug/l #	10

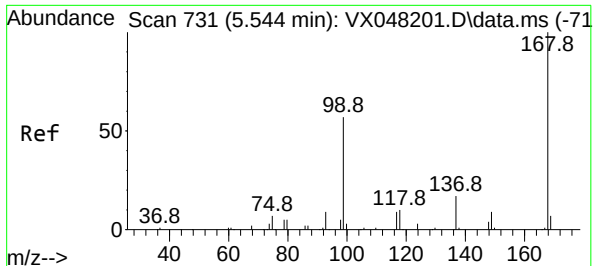
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

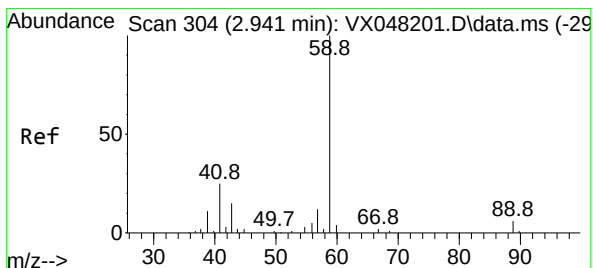
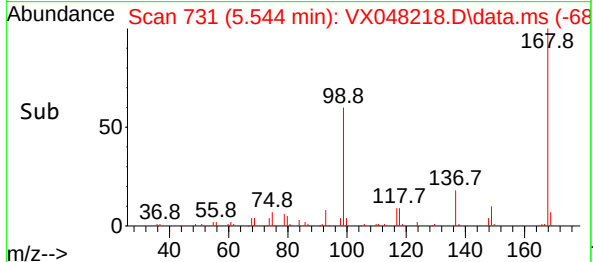
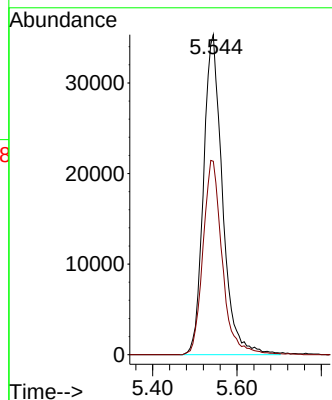
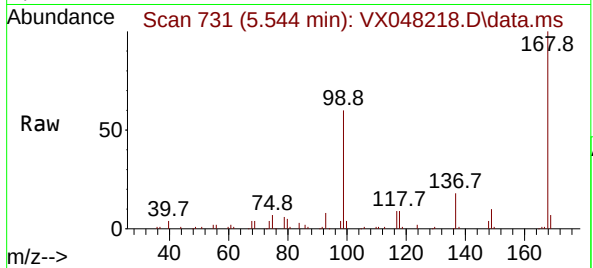




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

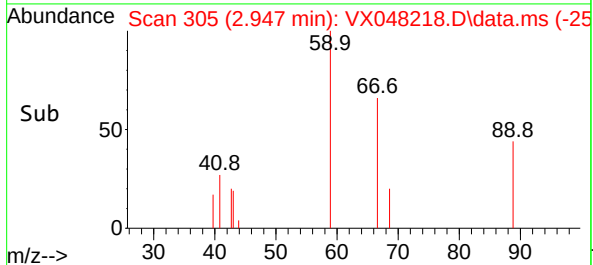
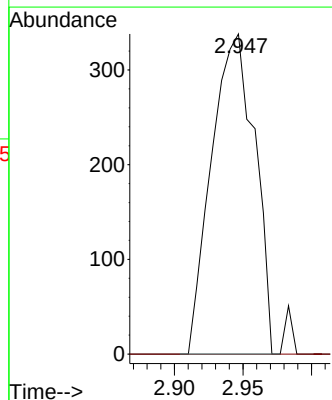
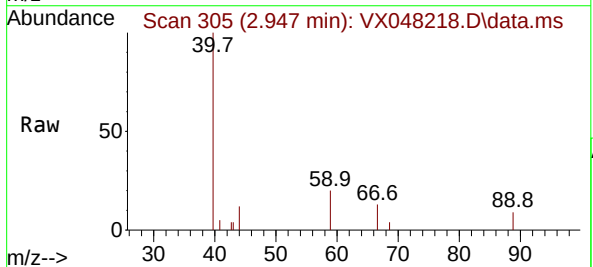
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

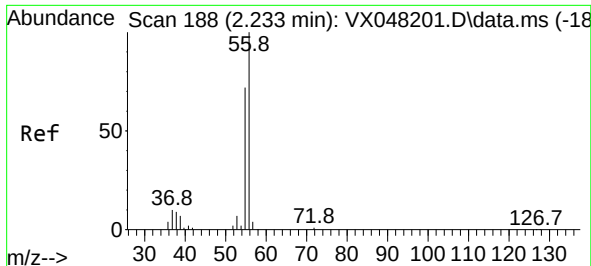
Tgt Ion:168 Resp: 110735
Ion Ratio Lower Upper
168 100
99 60.5 46.4 69.6



#11
Tert butyl alcohol
Concen: 6.527 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

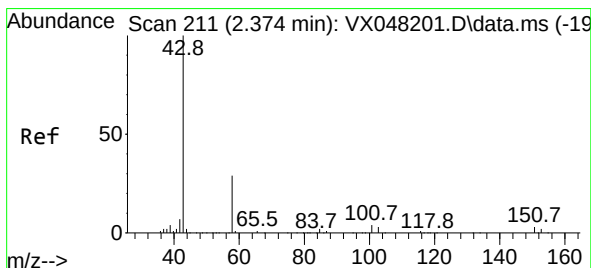
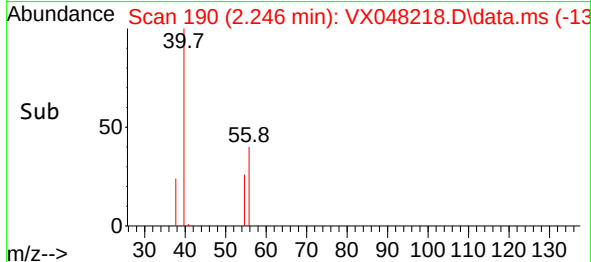
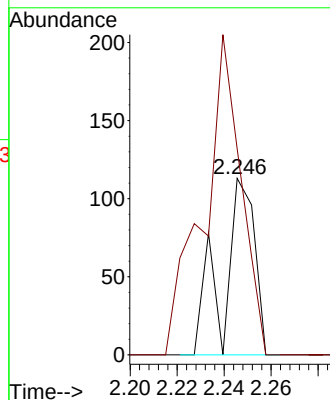
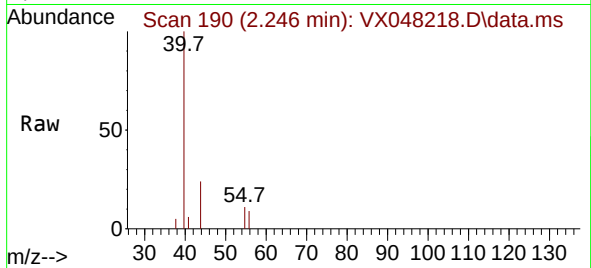




#13
Acrolein
Concen: 0.439 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

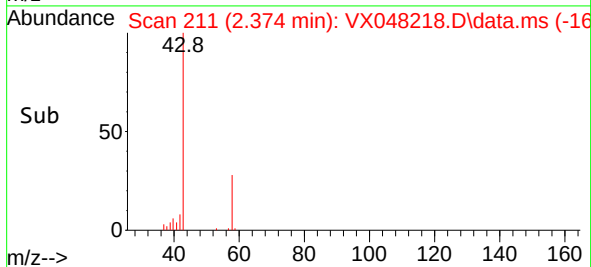
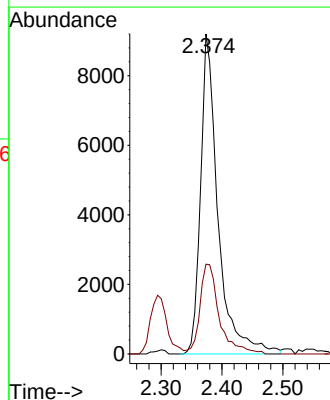
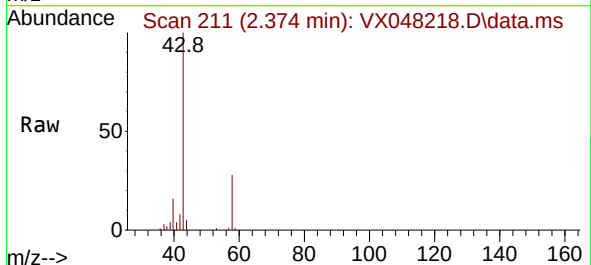
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

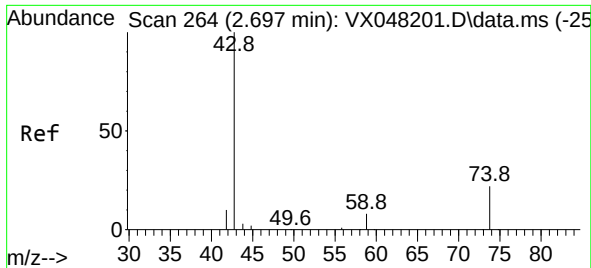
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 217.1 56.1 84.1#



#16
Acetone
Concen: 31.238 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 43 Resp: 18281
Ion Ratio Lower Upper
43 100
58 29.4 23.4 35.2

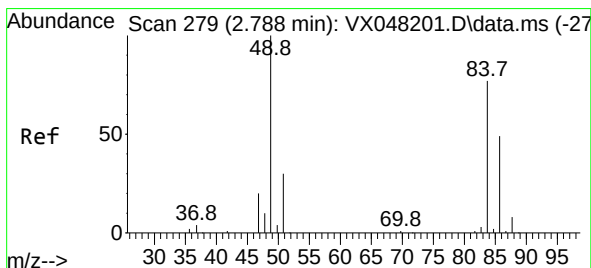
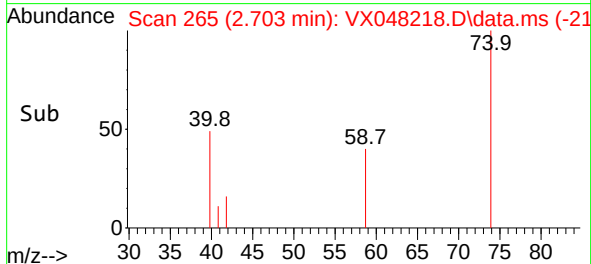
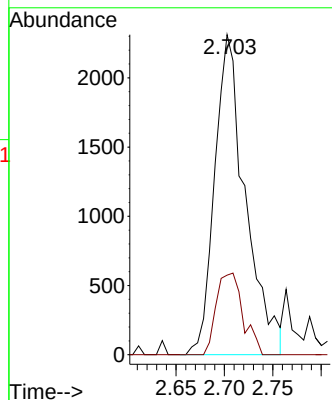
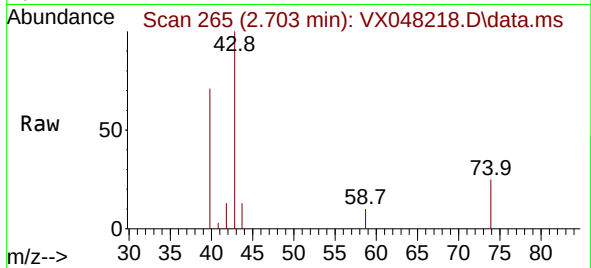




#18
Methyl Acetate
Concen: 4.285 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

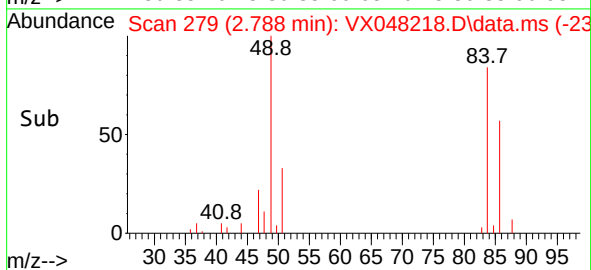
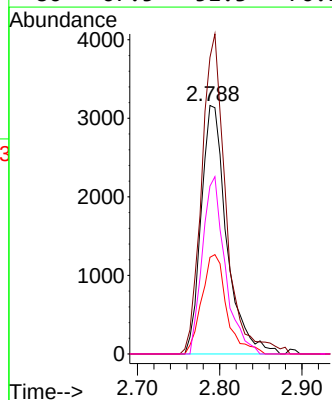
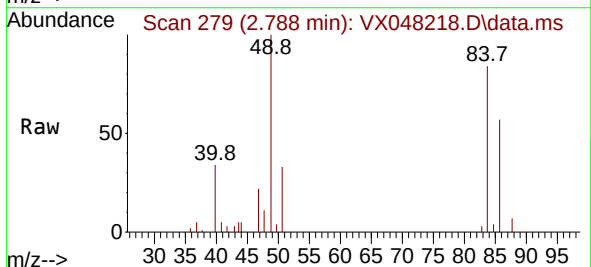
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

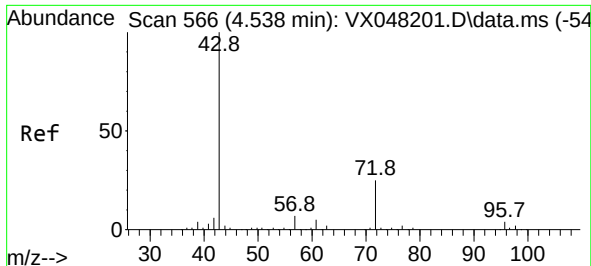
Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#20
Methylene Chloride
Concen: 4.787 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 84 Resp: 6824
Ion Ratio Lower Upper
84 100
49 119.3 104.1 156.1
51 38.9 31.3 46.9
86 67.5 51.3 76.9





#25

2-Butanone

Concen: 12.741 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX048218.D

Acq: 17 Oct 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

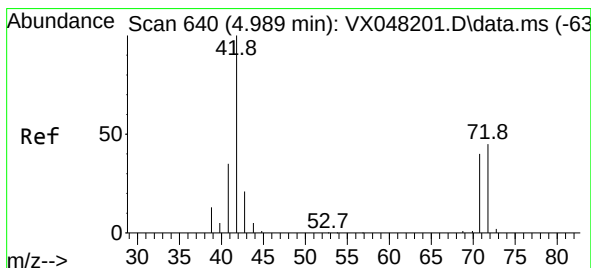
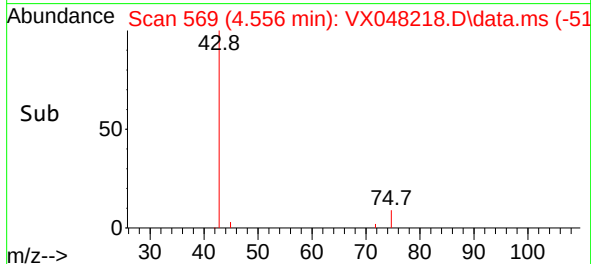
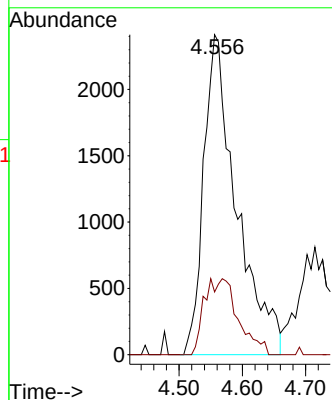
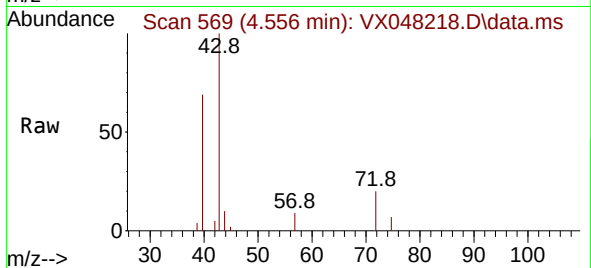
DRUM-2

Tgt Ion: 43 Resp: 8687

Ion Ratio Lower Upper

43 100

72 19.6 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.544 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX048218.D

Acq: 17 Oct 2025 17:15

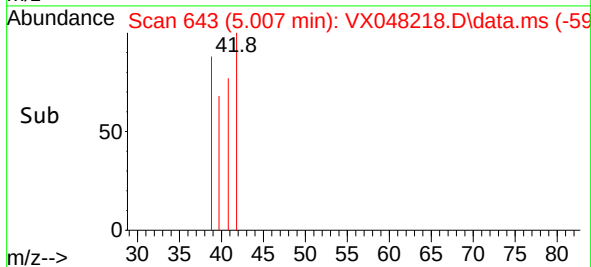
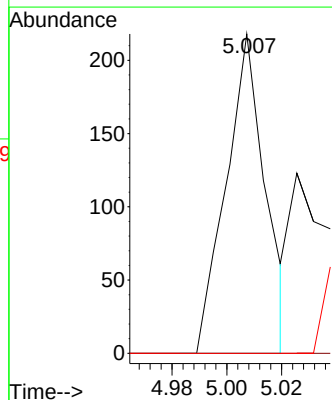
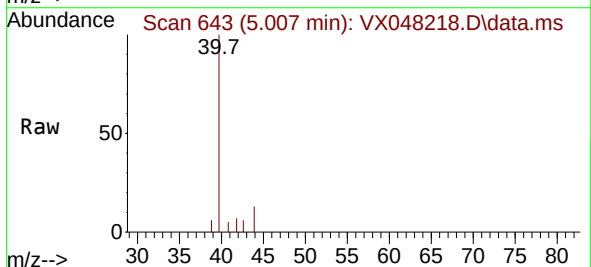
Tgt Ion: 42 Resp: 218

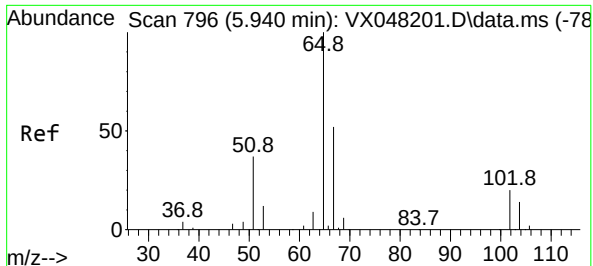
Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 0.0 32.2 48.4#

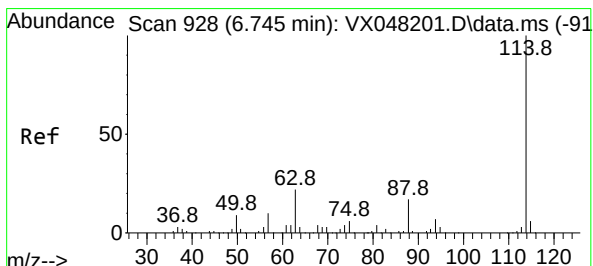
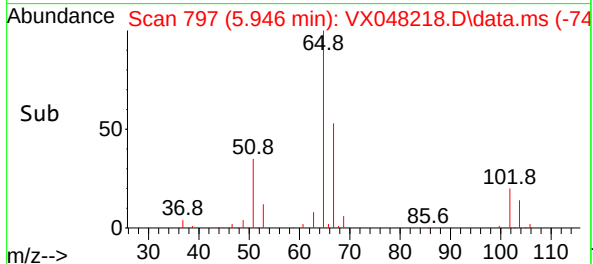
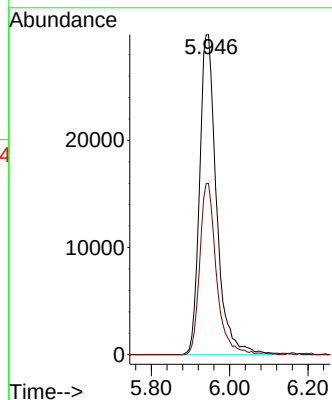
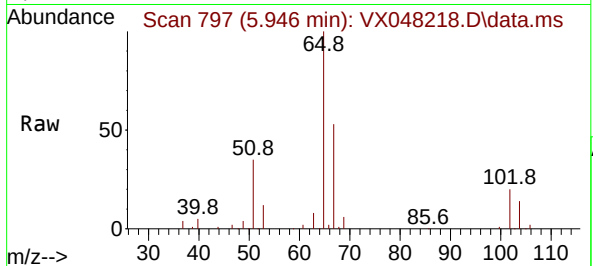




#33
 1,2-Dichloroethane-d4
 Concen: 52.372 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048218.D
 Acq: 17 Oct 2025 17:15

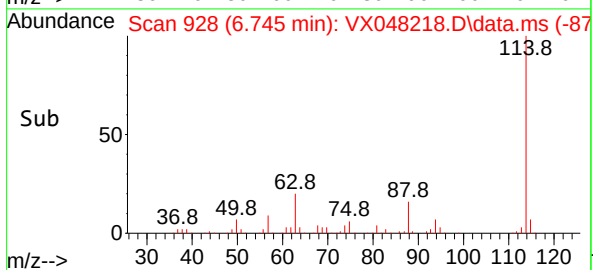
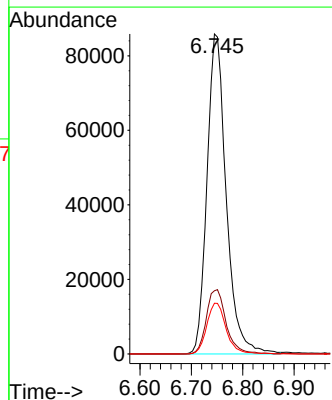
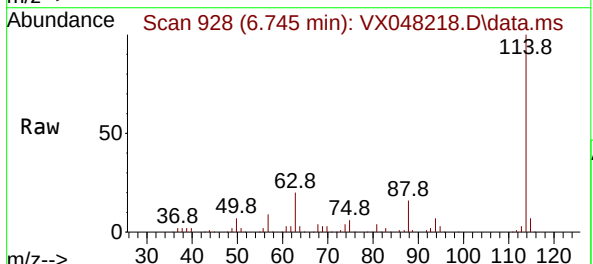
Instrument :
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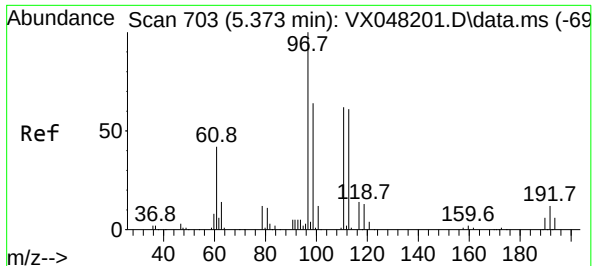
Tgt Ion: 65 Resp: 89844
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048218.D
 Acq: 17 Oct 2025 17:15

Tgt Ion: 114 Resp: 223135
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.2
 88 15.9 0.0 33.6

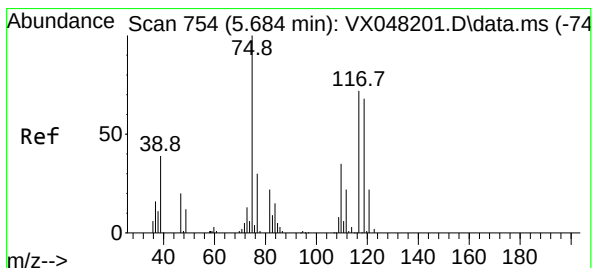
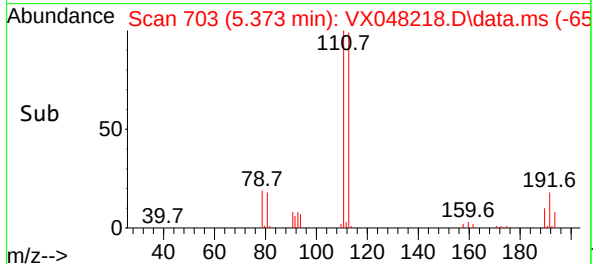
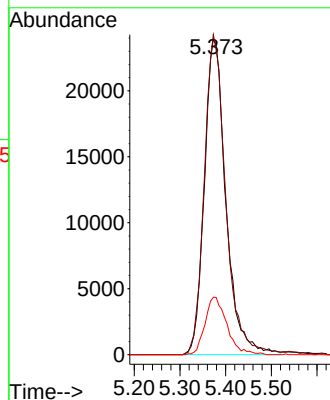
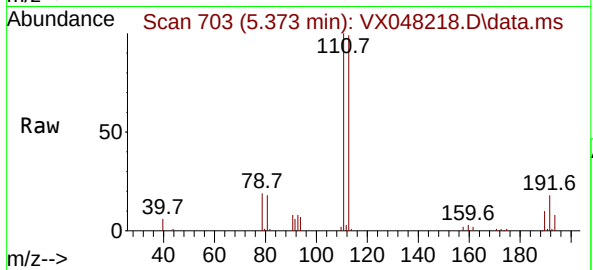




#35
Dibromofluoromethane
Concen: 50.496 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

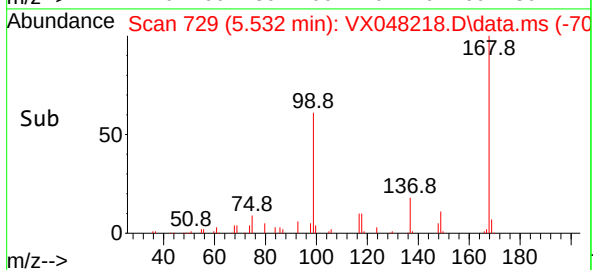
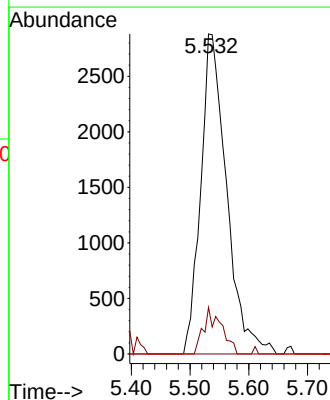
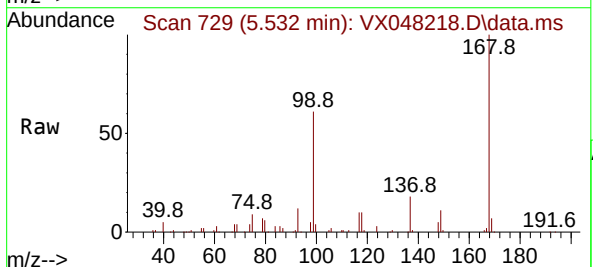
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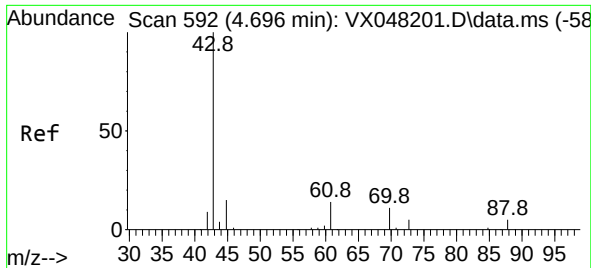
Tgt Ion:113 Resp: 78199
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 18.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.042 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 75 Resp: 8818
Ion Ratio Lower Upper
75 100
110 10.1 17.7 53.1#
77 0.0 24.3 36.5#

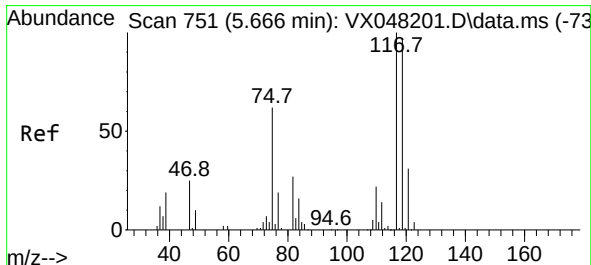
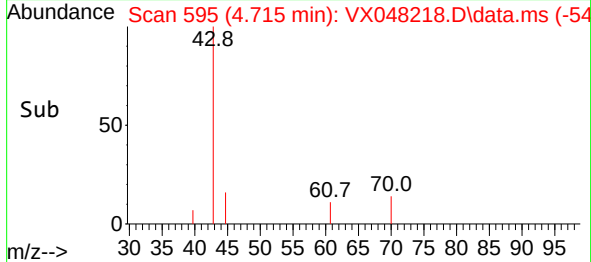
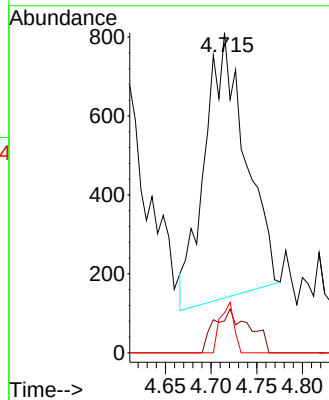
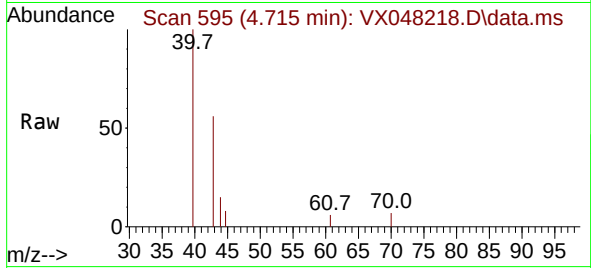




#37
Ethyl Acetate
Concen: 1.194 ug/l
RT: 4.715 min Scan# 592
Delta R.T. 0.018 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

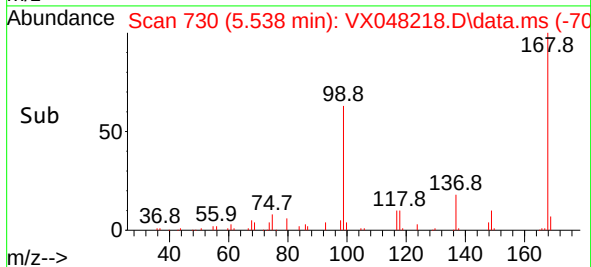
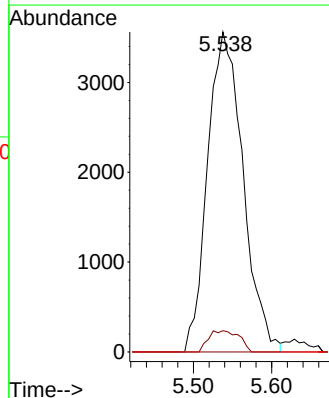
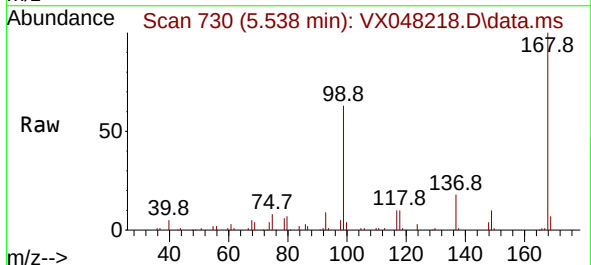
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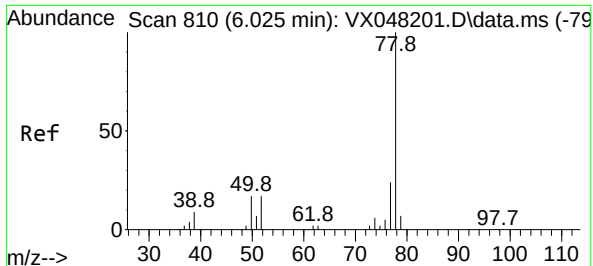
Tgt Ion: 43	Resp:	2082
Ion	Ratio	Lower Upper
43	100	
61	14.1	10.6 15.8
70	6.4	7.8 11.6#



#38
Carbon Tetrachloride
Concen: 4.470 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 117	Resp:	11193
Ion	Ratio	Lower Upper
117	100	
119	6.7	77.2 115.8#
121	0.0	24.8 37.2#

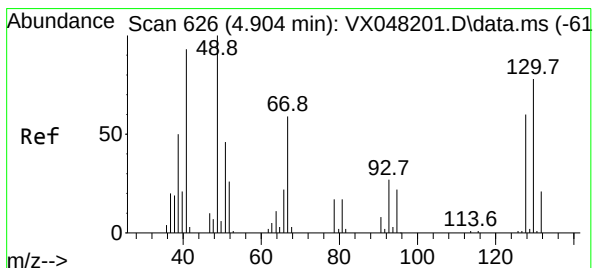
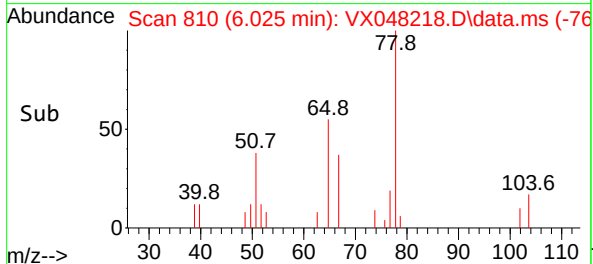
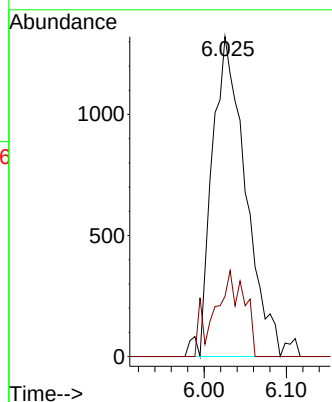
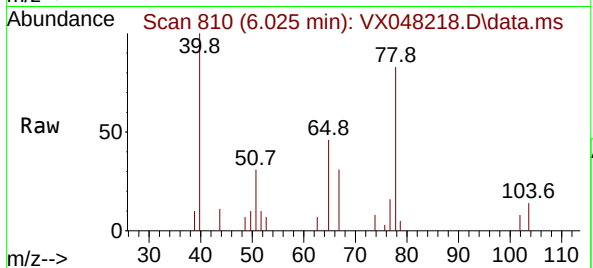




#40
Benzene
Concen: 0.576 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

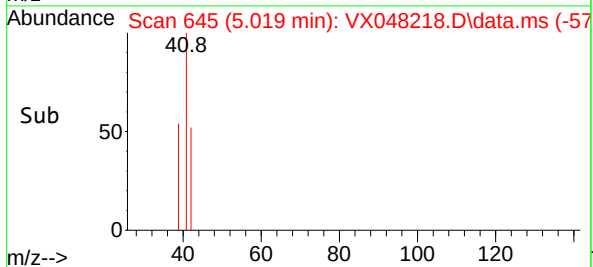
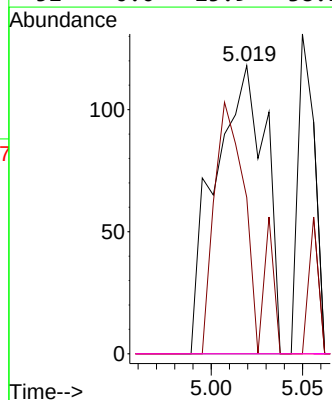
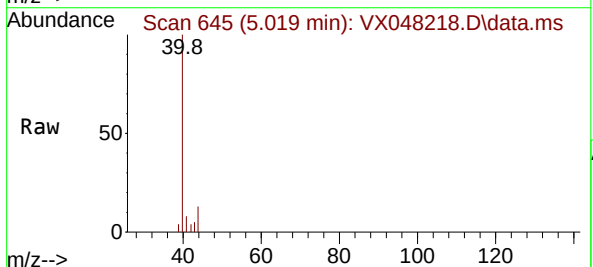
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

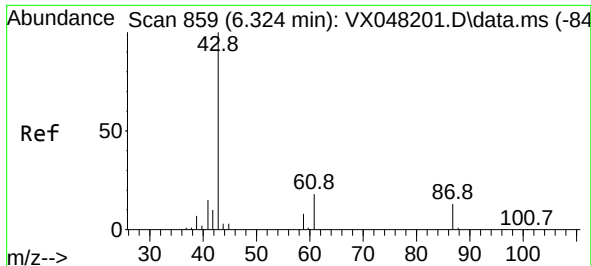
Tgt Ion: 78 Resp: 3734
Ion Ratio Lower Upper
78 100
77 17.7 19.3 28.9#



#41
Methacrylonitrile
Concen: 0.244 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.116 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 41 Resp: 228
Ion Ratio Lower Upper
41 100
39 59.6 44.0 66.0
67 0.0 58.7 88.1#
52 0.0 25.9 38.9#

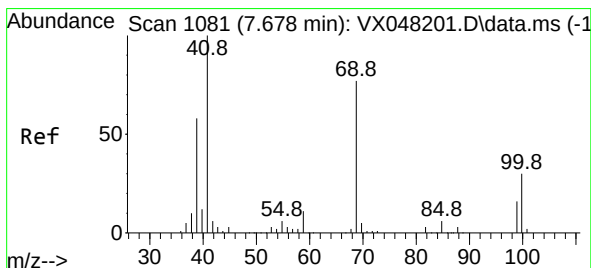
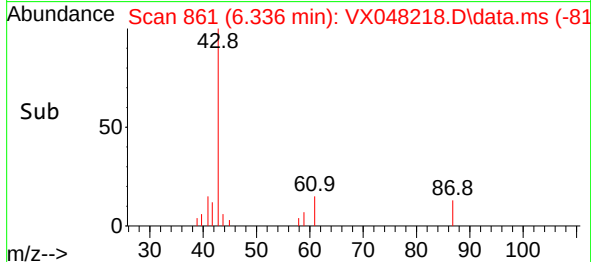
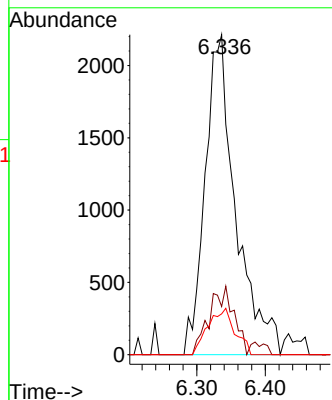
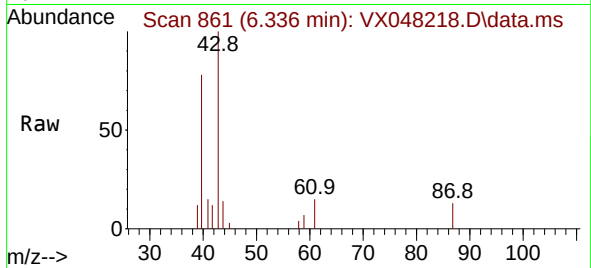




#43
Isopropyl Acetate
Concen: 2.349 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

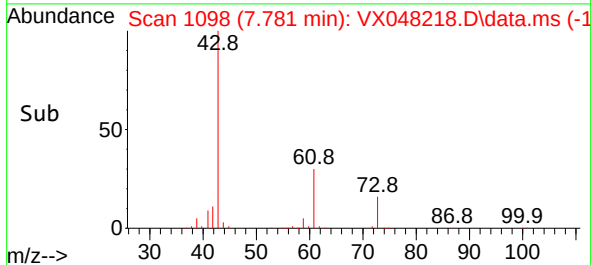
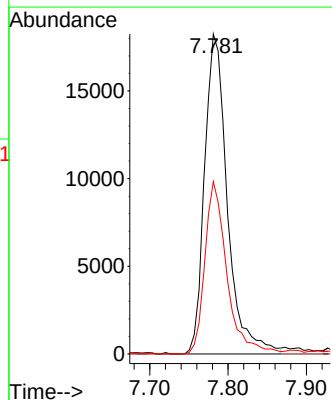
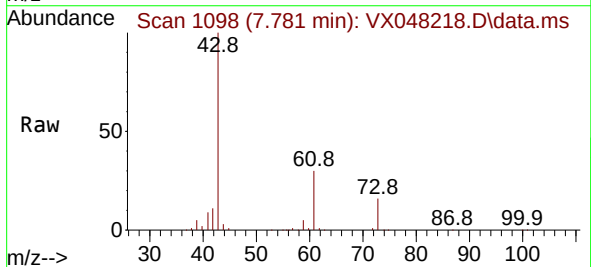
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

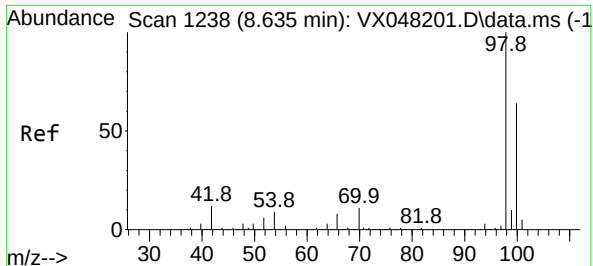
Tgt Ion:	43	Resp:	6875
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.9	22.3
87	12.8	9.4	14.2



#48
Methyl methacrylate
Concen: 24.612 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion:	41	Resp:	36872
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.4	95.0#
39	51.9	47.1	70.7

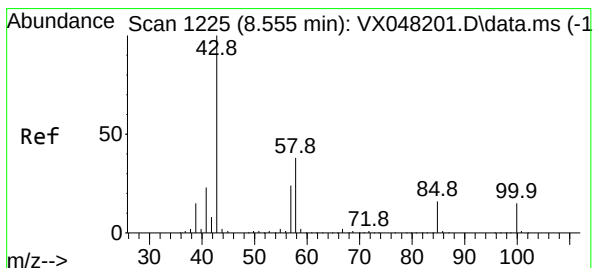
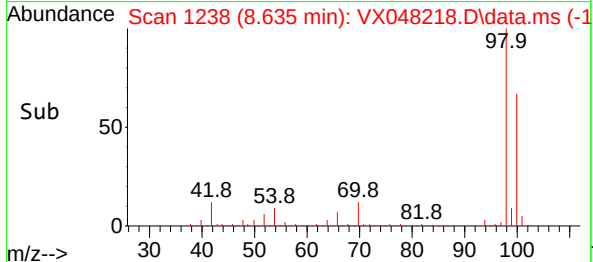
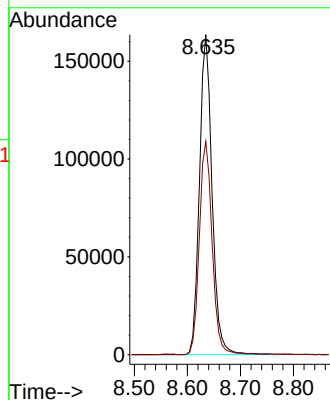
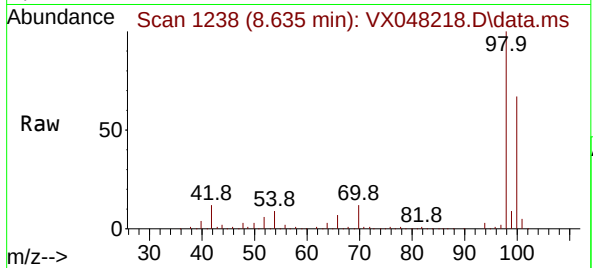




#50
Toluene-d8
Concen: 48.480 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

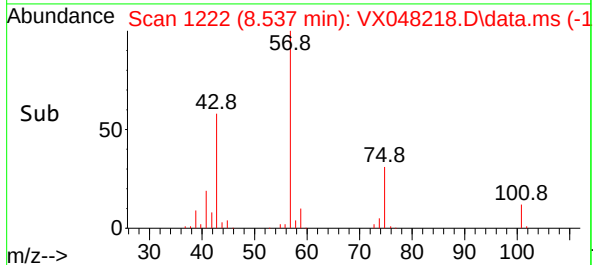
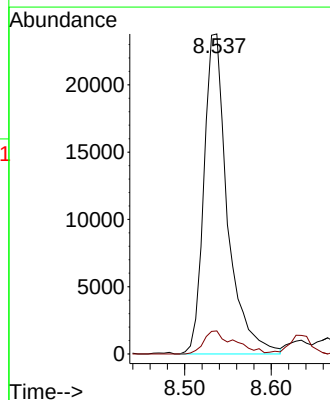
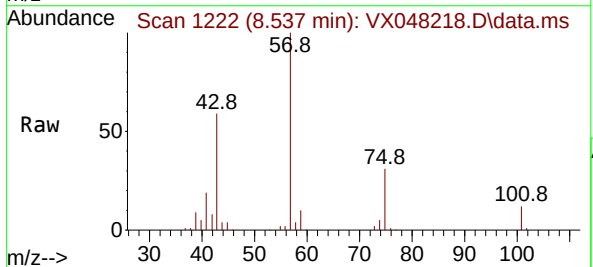
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

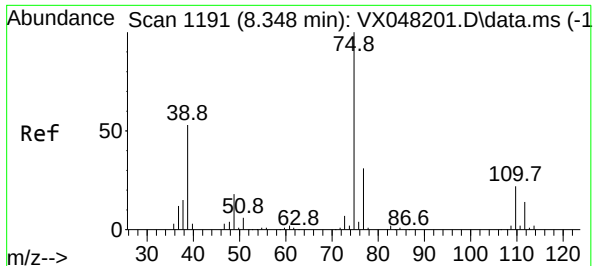
Tgt Ion: 98 Resp: 270471
Ion Ratio Lower Upper
98 100
100 67.6 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 27.672 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. -0.018 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 43 Resp: 45065
Ion Ratio Lower Upper
43 100
58 9.4 29.5 44.3#

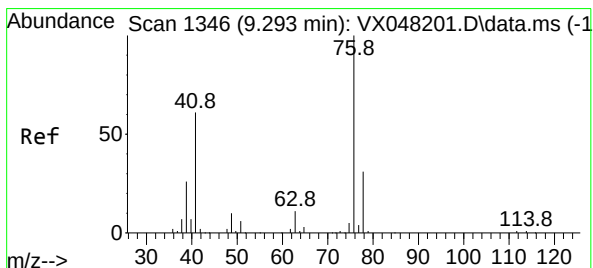
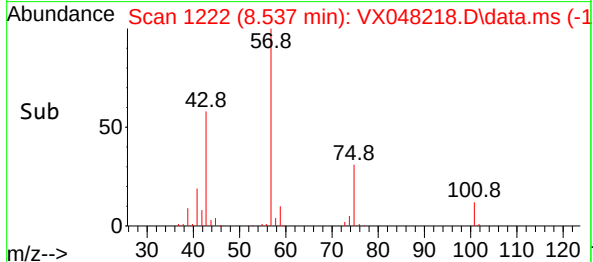
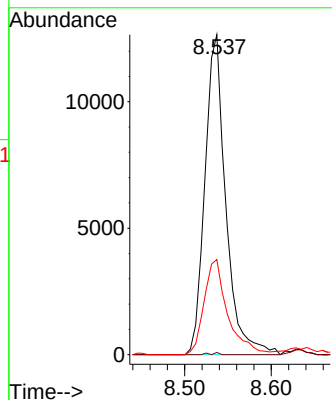
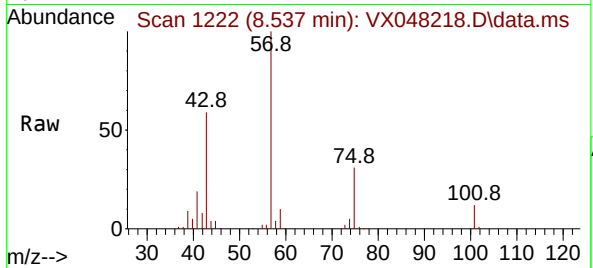




#54
 cis-1,3-Dichloropropene
 Concen: 8.135 ug/l
 RT: 8.537 min Scan# 1191
 Delta R.T. 0.189 min
 Lab File: VX048218.D
 Acq: 17 Oct 2025 17:15

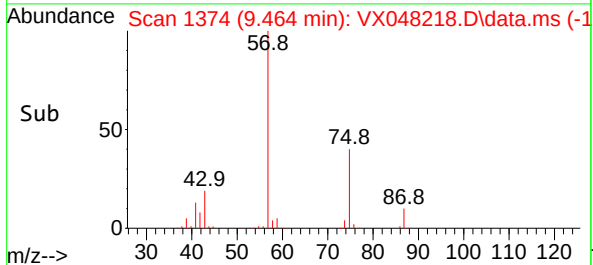
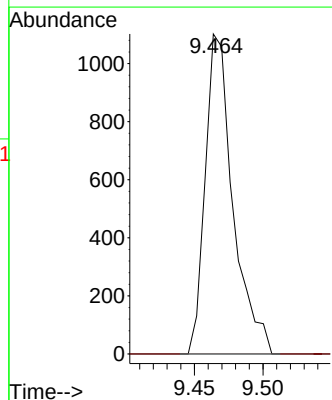
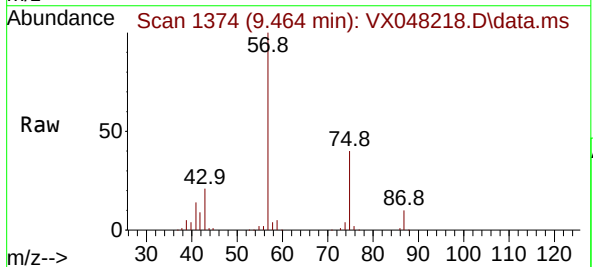
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-2

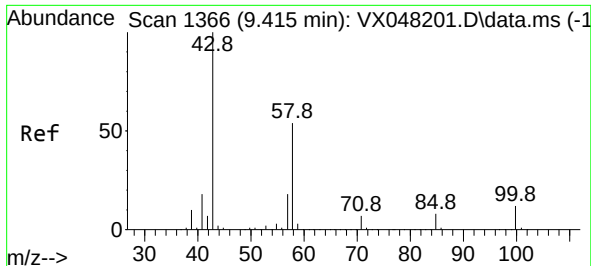
Tgt Ion: 75 Resp: 21179
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 29.7 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.610 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.171 min
 Lab File: VX048218.D
 Acq: 17 Oct 2025 17:15

Tgt Ion: 76 Resp: 1549
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 1.743 ug/l

RT: 9.421 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048218.D

Acq: 17 Oct 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

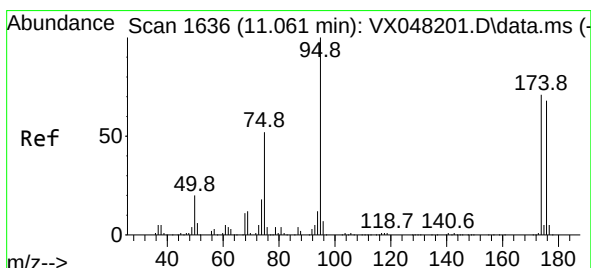
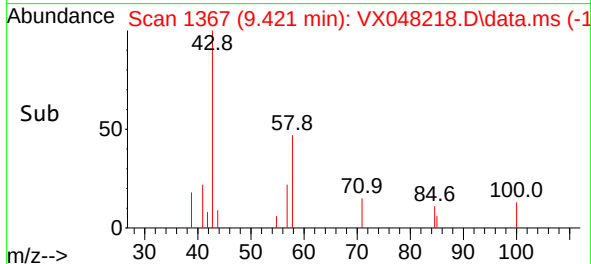
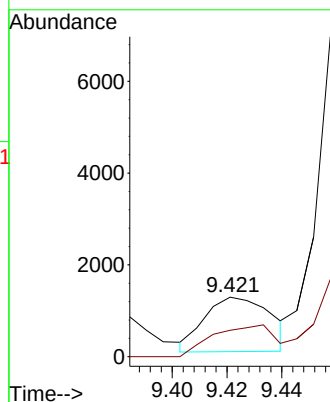
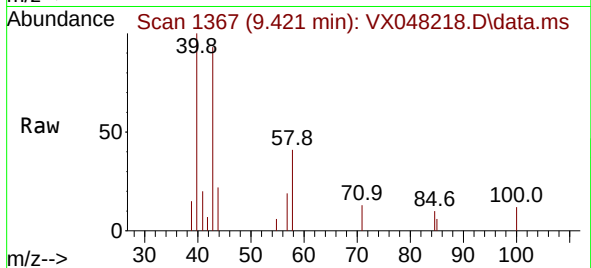
DRUM-2

Tgt Ion: 43 Resp: 1985

Ion Ratio Lower Upper

43 100

58 54.2 26.3 78.8



#62

4-Bromofluorobenzene

Concen: 60.323 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048218.D

Acq: 17 Oct 2025 17:15

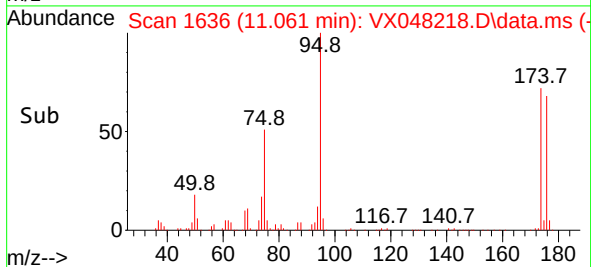
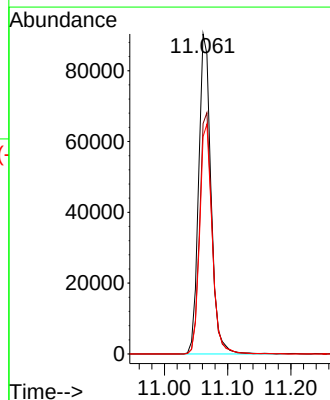
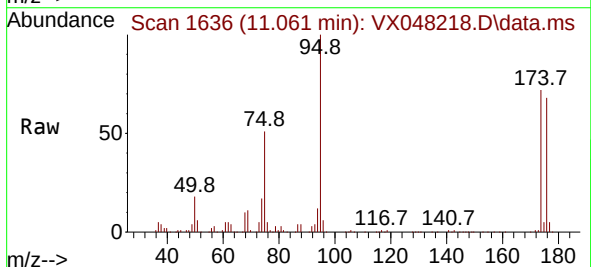
Tgt Ion: 95 Resp: 122577

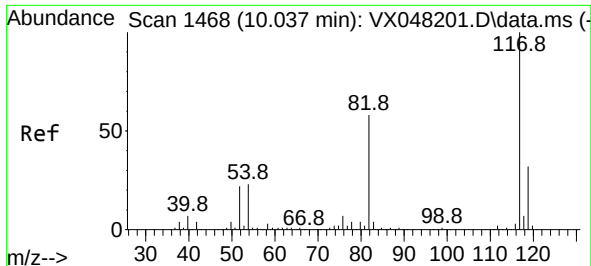
Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.8

176 72.9 0.0 142.8

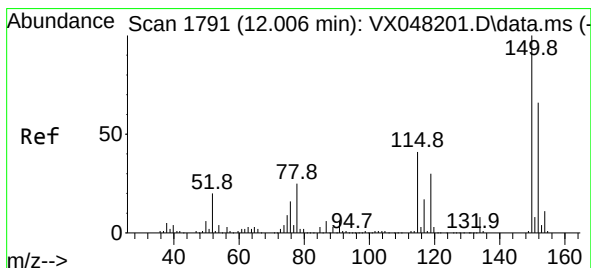
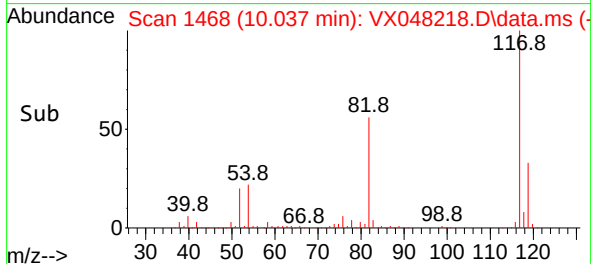
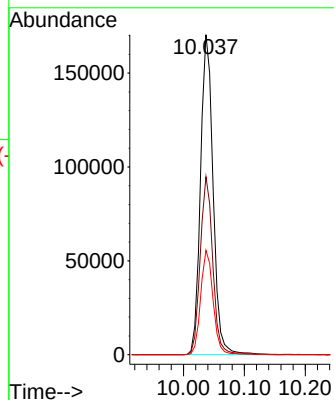
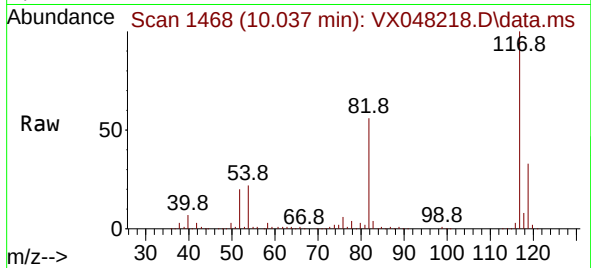




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

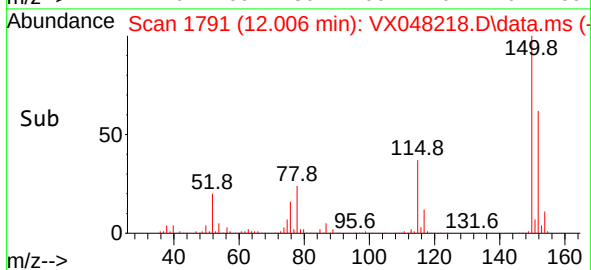
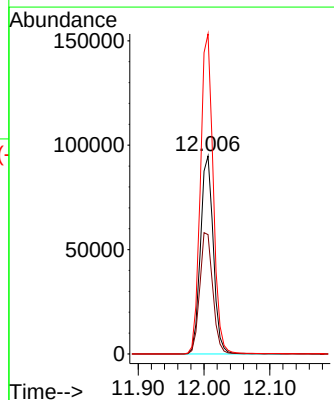
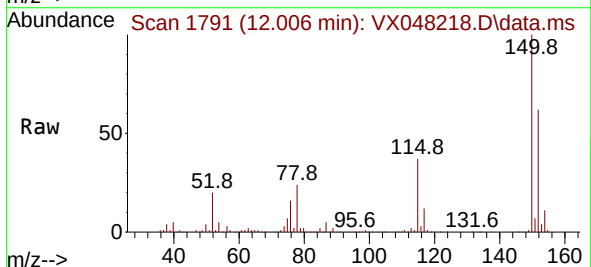
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

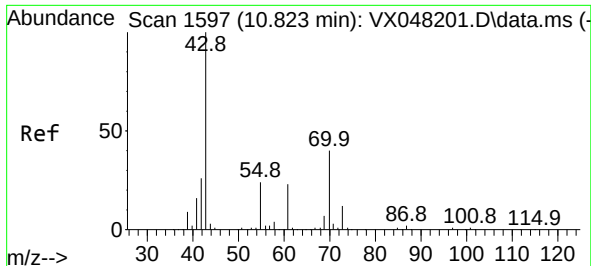
Tgt Ion:117 Resp: 244815
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion:152 Resp: 128439
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 161.2 0.0 353.0

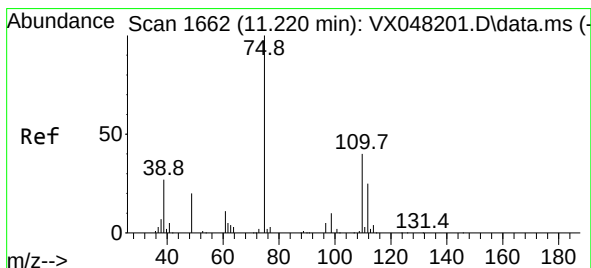
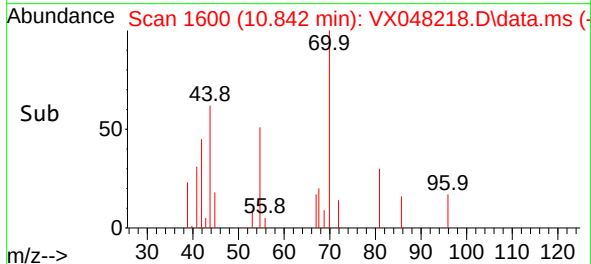
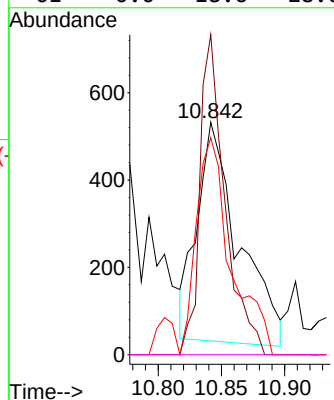
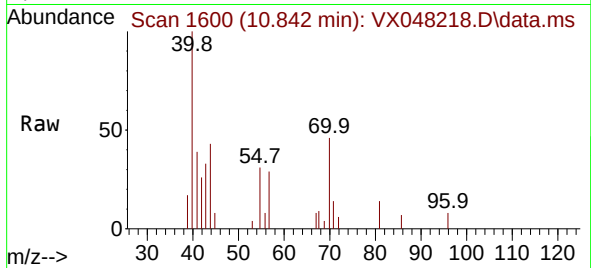




#74
N-amy1 acetate
Concen: 0.347 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

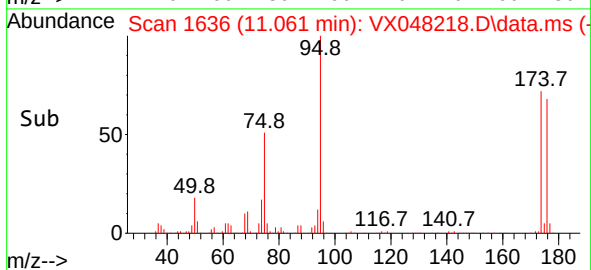
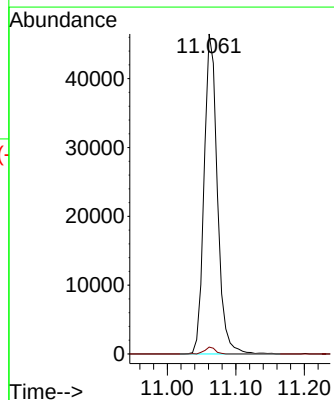
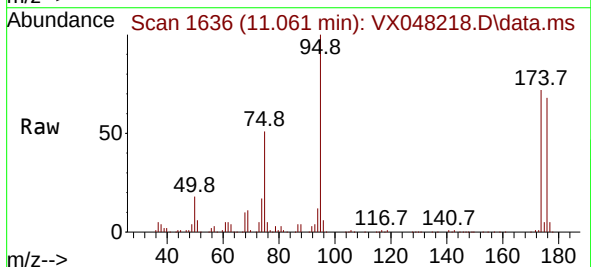
Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

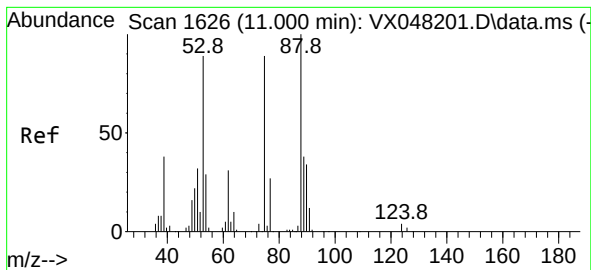
Tgt Ion: 43	Resp:	1158
Ion Ratio	Lower	Upper
43	100	
70	87.3	32.2 48.2#
55	81.6	19.1 28.7#
61	0.0	18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 32.006 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Tgt Ion: 75	Resp:	62774
Ion Ratio	Lower	Upper
75	100	
77	1.7	22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.371 ug/l
RT: 11.061 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX048218.D
Acq: 17 Oct 2025 17:15

Instrument :
MSVOA_X
ClientSampleId :
DRUM-2

Tgt Ion: 75 Resp: 62774
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

