

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048217.D
 Acq On : 17 Oct 2025 16:54
 Operator : JC/MD
 Sample : Q3357-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1

Quant Time: Oct 18 00:21:20 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)

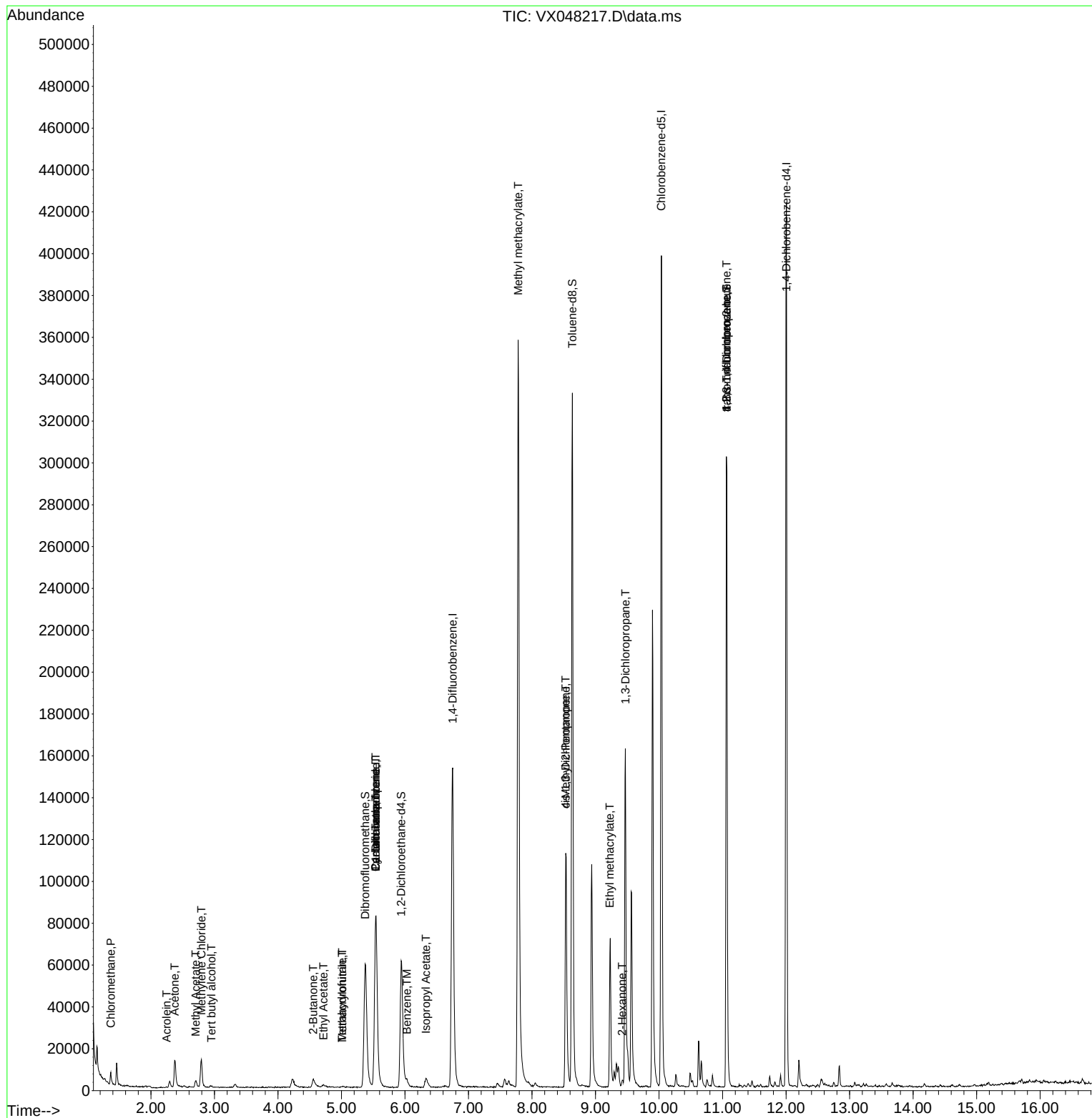
Internal Standards						
1) Pentafluorobenzene	5.538	168	84798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	170455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	184030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	95110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	67736	51.562	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.120%			
35) Dibromofluoromethane	5.373	113	58498	49.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.900%			
50) Toluene-d8	8.635	98	204246	47.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.840%			
62) 4-Bromofluorobenzene	11.061	95	90487	58.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.580%			
Target Compounds						Qvalue
3) Chloromethane	1.368	50	231	0.214	ug/l #	42
11) Tert butyl alcohol	2.953	59	750	8.604	ug/l #	72
13) Acrolein	2.245	56	132	0.721	ug/l #	1
16) Acetone	2.373	43	17381	38.785	ug/l	99
18) Methyl Acetate	2.703	43	5229	5.729	ug/l	95
20) Methylene Chloride	2.794	84	6698	6.135	ug/l	93
25) 2-Butanone	4.556	43	8704	16.671	ug/l	94
29) Tetrahydrofuran	5.007	42	88	0.287	ug/l #	69
31) Cyclohexane	5.538	56	1650	1.027	ug/l #	32
36) 1,1-Dichloropropene	5.538	75	6669	4.002	ug/l #	51
37) Ethyl Acetate	4.715	43	2902	2.179	ug/l #	85
38) Carbon Tetrachloride	5.538	117	9022	4.717	ug/l #	15
40) Benzene	6.031	78	3090	0.624	ug/l #	85
41) Methacrylonitrile	5.013	41	194	0.272	ug/l #	39
43) Isopropyl Acetate	6.330	43	6801	3.042	ug/l	97
48) Methyl methacrylate	7.781	41	35809	31.289	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	45028	36.194	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	20893	10.506	ug/l #	56
56) Ethyl methacrylate	9.226	69	365	0.242	ug/l #	1
57) 1,3-Dichloropropane	9.470	76	1594	0.822	ug/l #	43
59) 2-Hexanone	9.421	43	1958	2.250	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	47126	32.448	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.061	75	47126	79.453	ug/l #	10

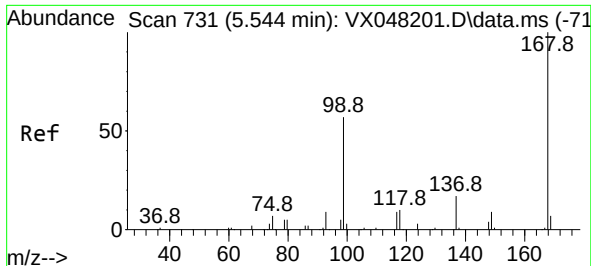
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 00:21:20 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

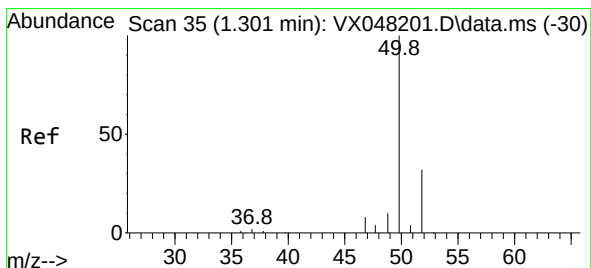
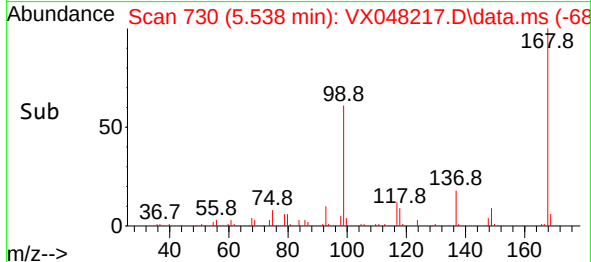
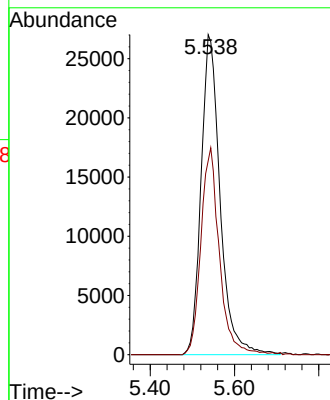
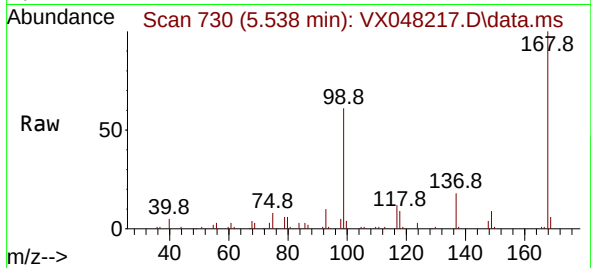




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

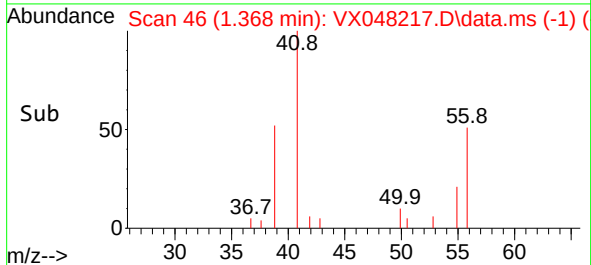
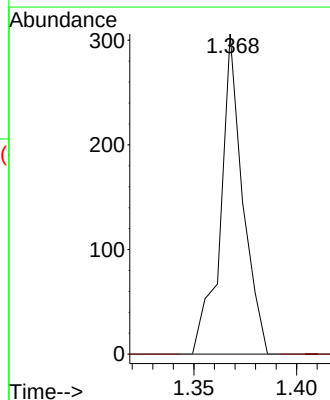
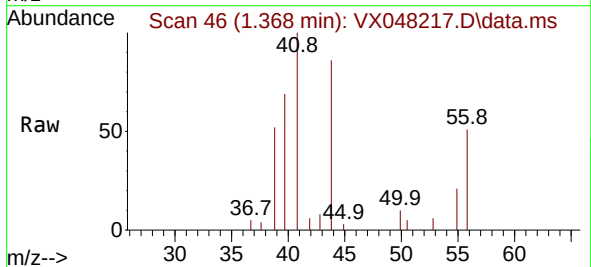
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

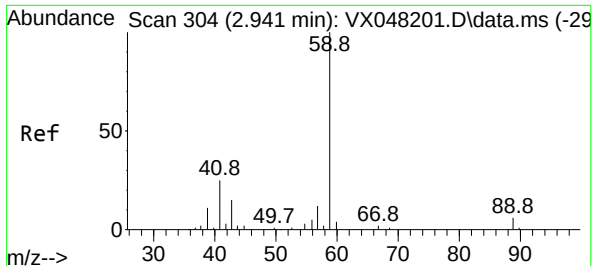
Tgt Ion:168 Resp: 84798
Ion Ratio Lower Upper
168 100
99 60.6 46.4 69.6



#3
Chloromethane
Concen: 0.214 ug/l
RT: 1.368 min Scan# 46
Delta R.T. 0.067 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 8.604 ug/l

RT: 2.953 min Scan# 304

Delta R.T. 0.012 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

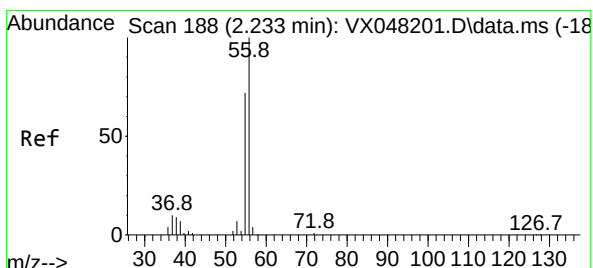
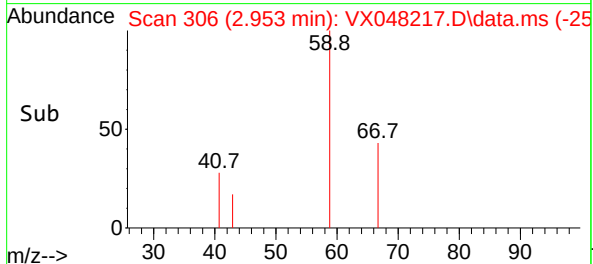
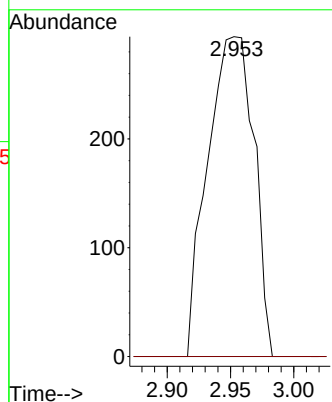
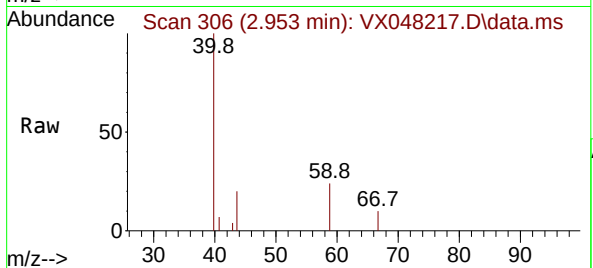
DRUM-1

Tgt Ion: 59 Resp: 750

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.721 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX048217.D

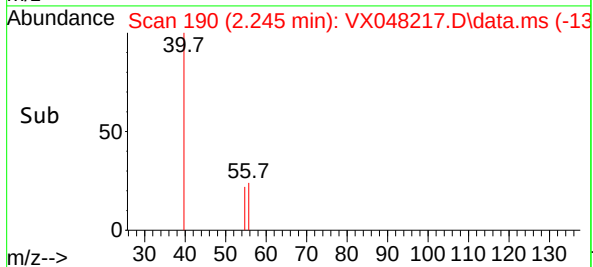
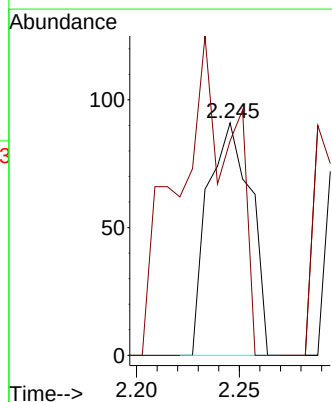
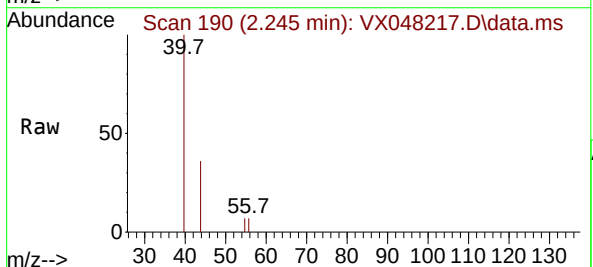
Acq: 17 Oct 2025 16:54

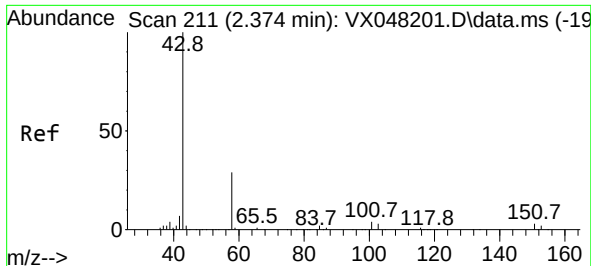
Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 177.3 56.1 84.1#

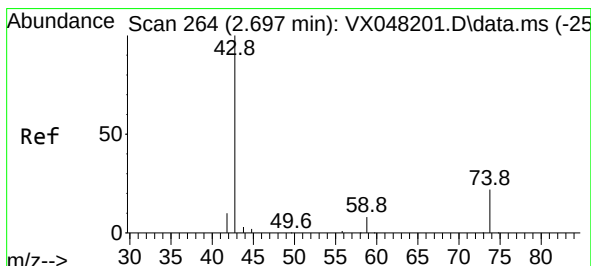
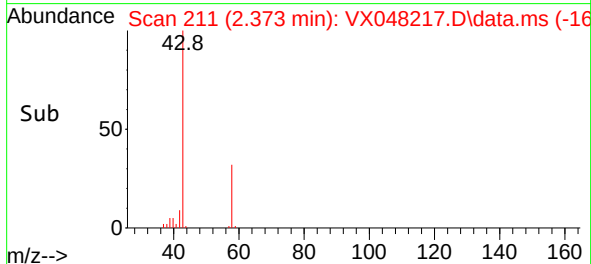
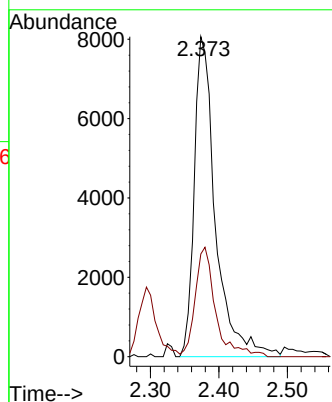
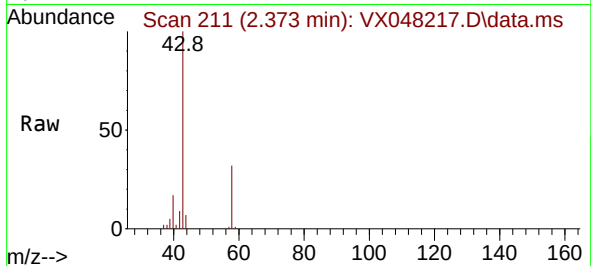




#16
Acetone
Concen: 38.785 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

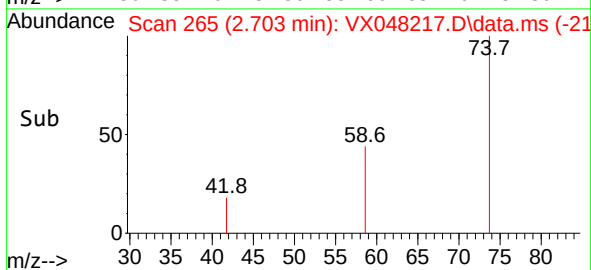
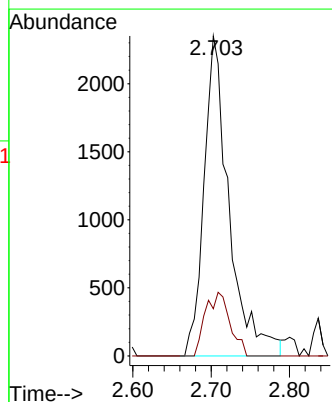
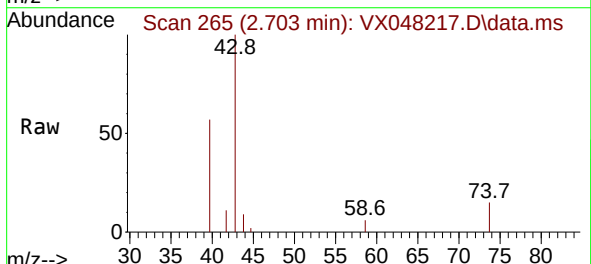
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

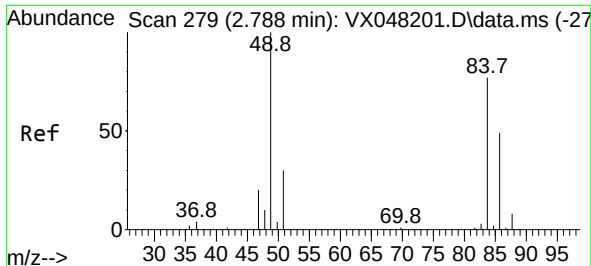
Tgt Ion: 43 Resp: 17381
Ion Ratio Lower Upper
43 100
58 30.1 23.4 35.2



#18
Methyl Acetate
Concen: 5.729 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 43 Resp: 5229
Ion Ratio Lower Upper
43 100
74 19.4 17.5 26.3





#20

Methylene Chloride

Concen: 6.135 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

Tgt Ion: 84 Resp: 6698

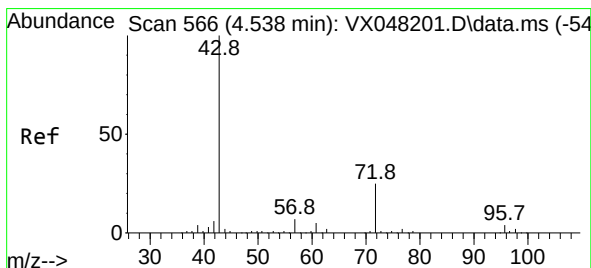
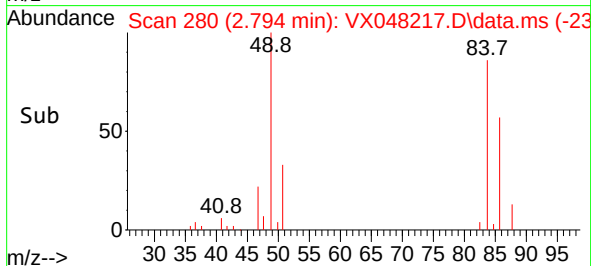
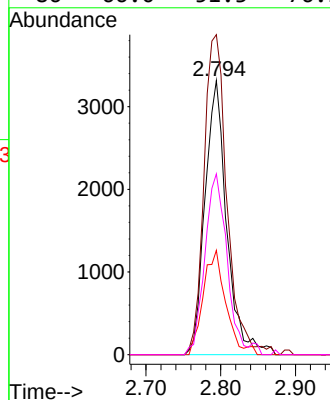
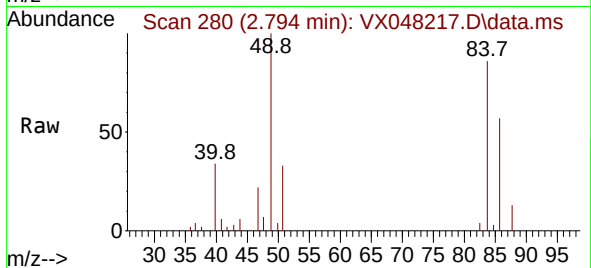
Ion Ratio Lower Upper

84 100

49 116.8 104.1 156.1

51 38.1 31.3 46.9

86 66.0 51.3 76.9



#25

2-Butanone

Concen: 16.671 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.018 min

Lab File: VX048217.D

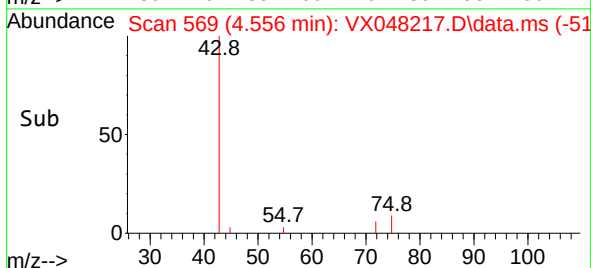
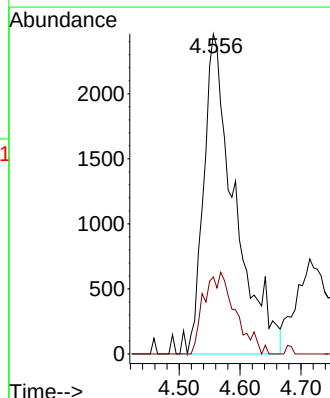
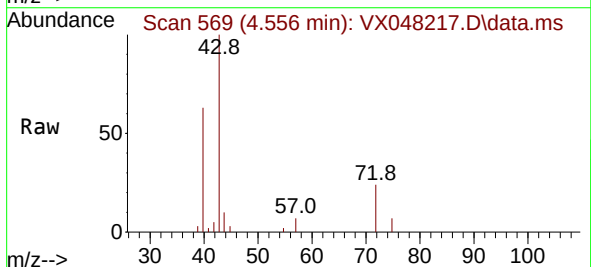
Acq: 17 Oct 2025 16:54

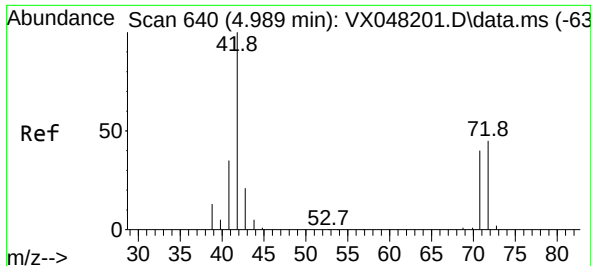
Tgt Ion: 43 Resp: 8704

Ion Ratio Lower Upper

43 100

72 21.8 19.9 29.9





#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

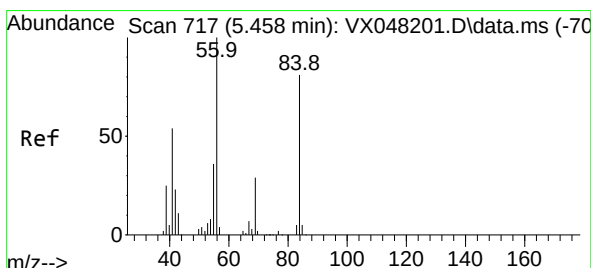
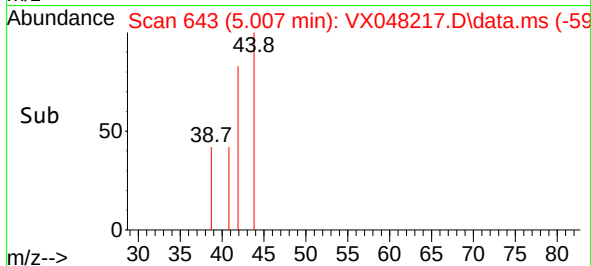
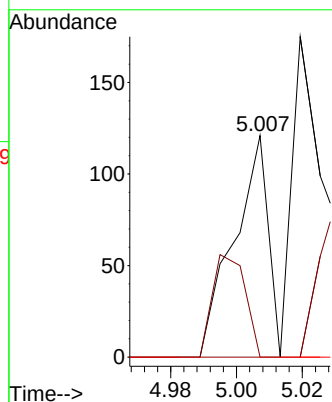
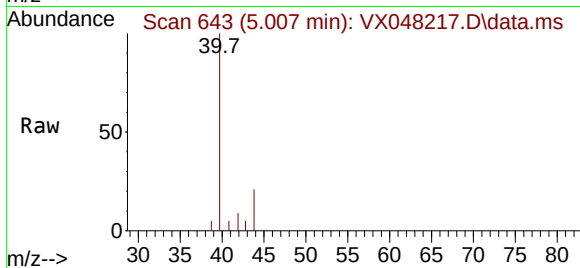
Tgt Ion: 42 Resp: 88

Ion Ratio Lower Upper

42 100

72 44.3 35.3 52.9

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

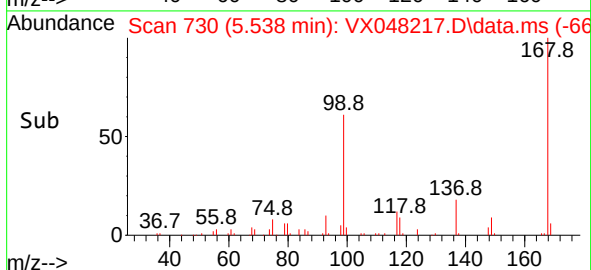
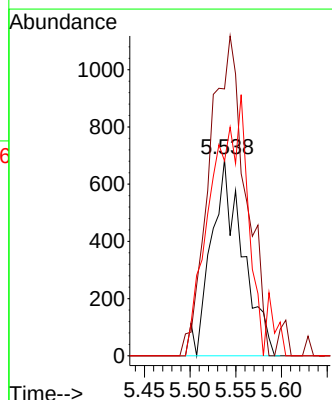
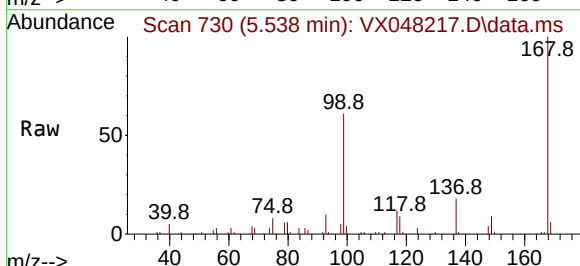
Tgt Ion: 56 Resp: 1650

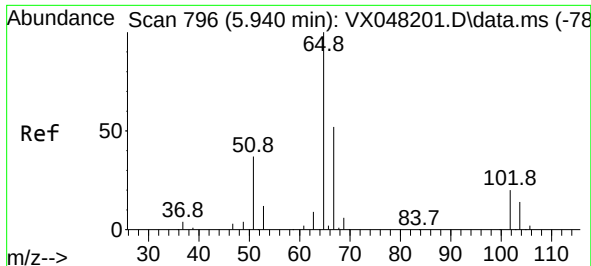
Ion Ratio Lower Upper

56 100

69 135.8 23.0 34.6#

84 99.1 64.6 97.0#

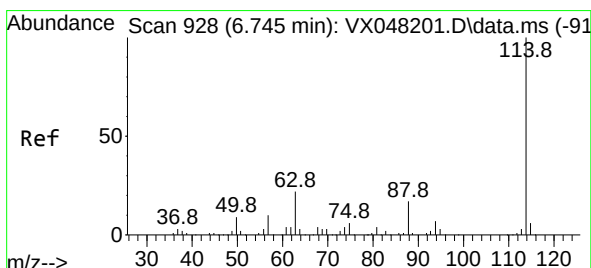
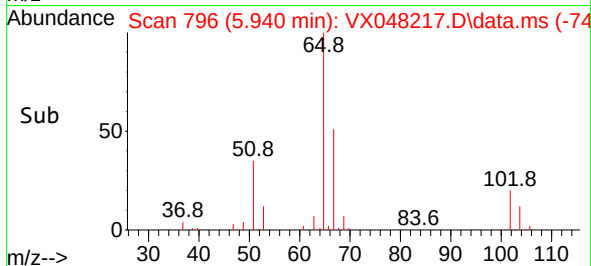
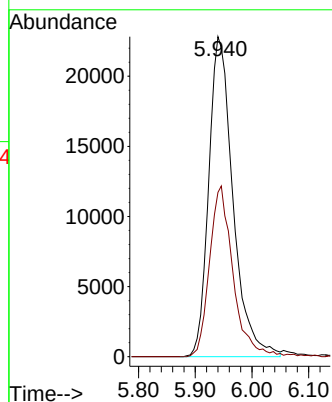
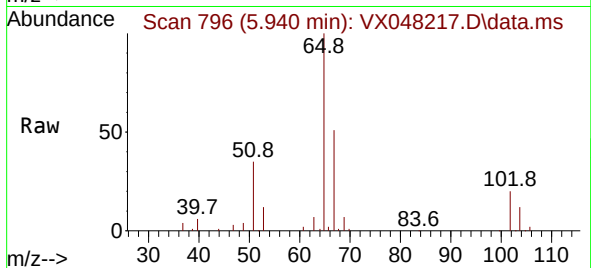




#33
 1,2-Dichloroethane-d4
 Concen: 51.562 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048217.D
 Acq: 17 Oct 2025 16:54

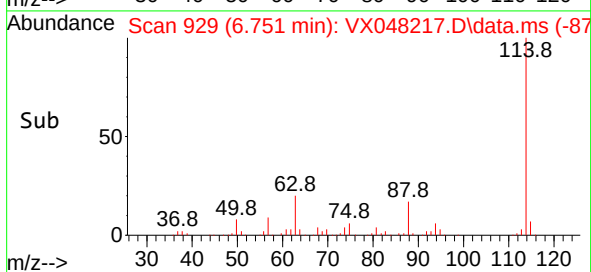
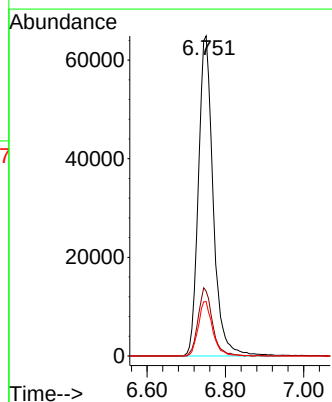
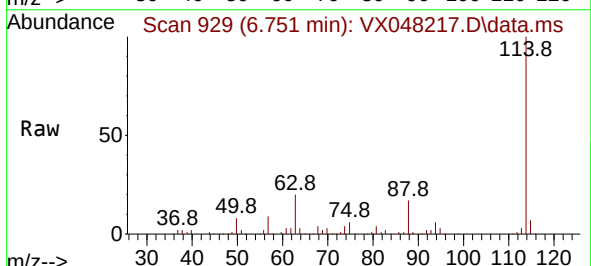
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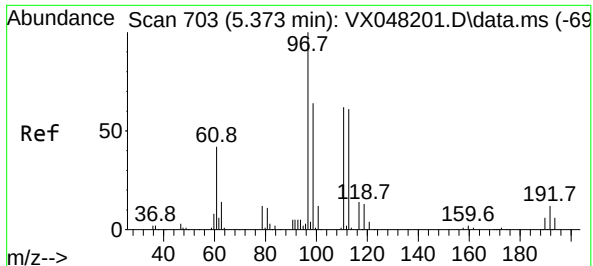
Tgt Ion: 65 Resp: 67736
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048217.D
 Acq: 17 Oct 2025 16:54

Tgt Ion: 114 Resp: 170455
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.2
 88 17.0 0.0 33.6

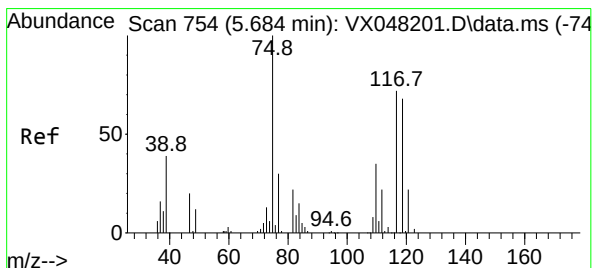
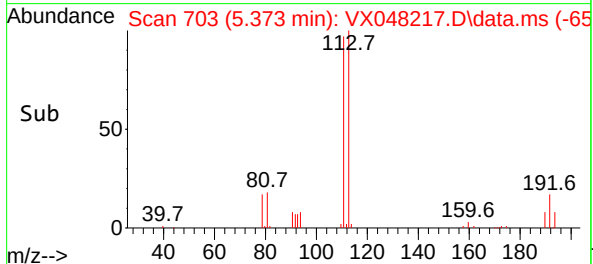
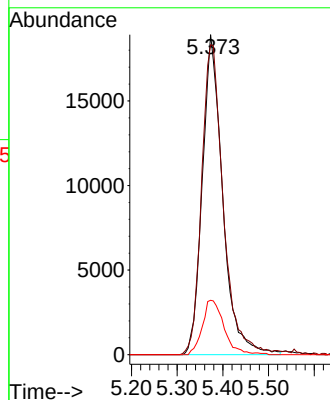
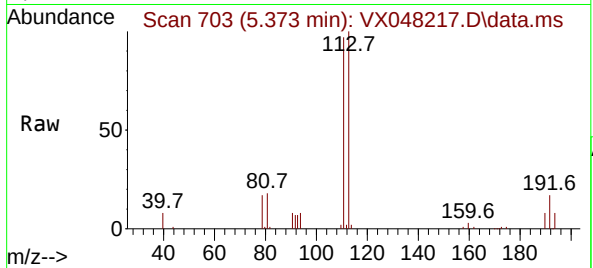




#35
Dibromofluoromethane
Concen: 49.449 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

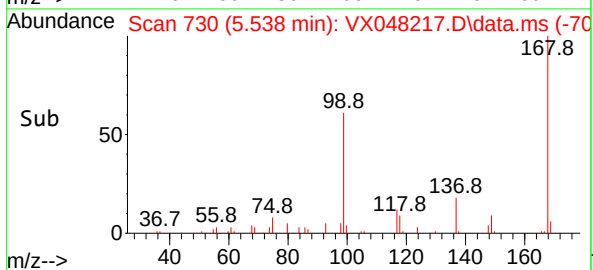
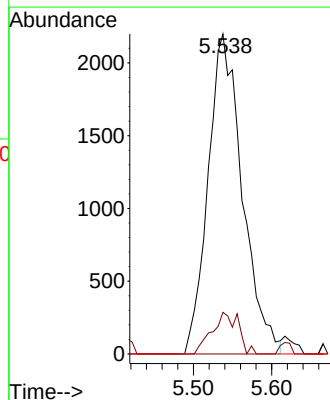
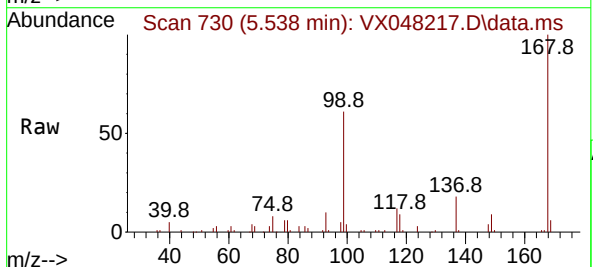
Instrument :
MSVOA_X
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DRUM-1

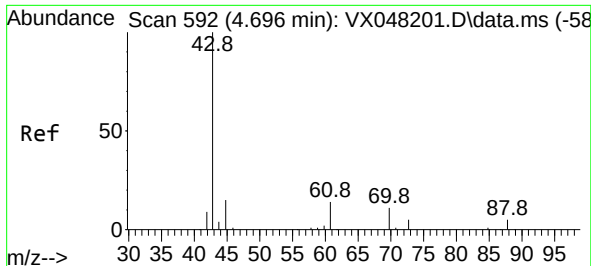
Tgt Ion:113 Resp: 58498
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.0 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.002 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 75 Resp: 6669
Ion Ratio Lower Upper
75 100
110 10.0 17.7 53.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 2.179 ug/l

RT: 4.715 min Scan# 592

Delta R.T. 0.018 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

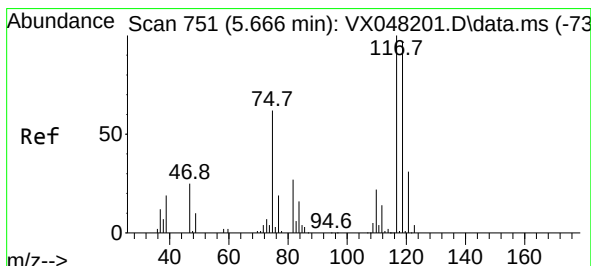
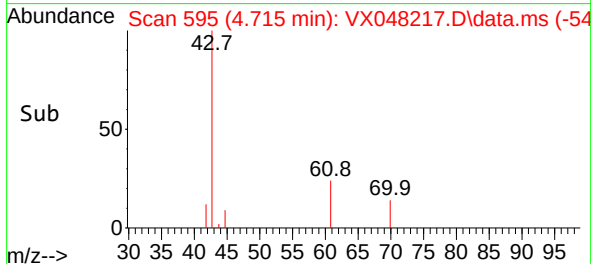
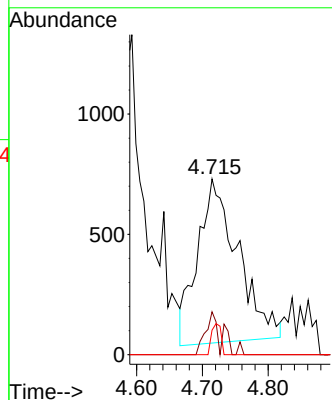
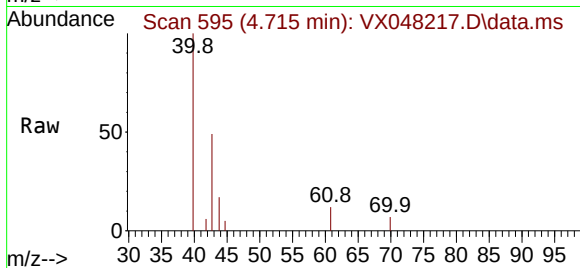
Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

43 100

61 7.1 10.6 15.8#

70 4.4 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.717 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

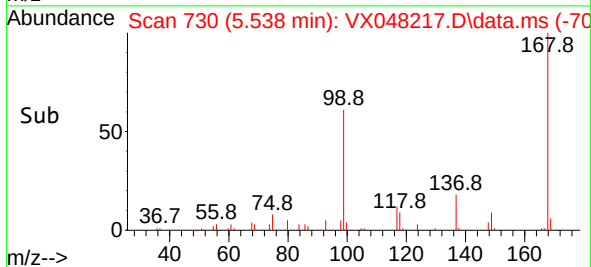
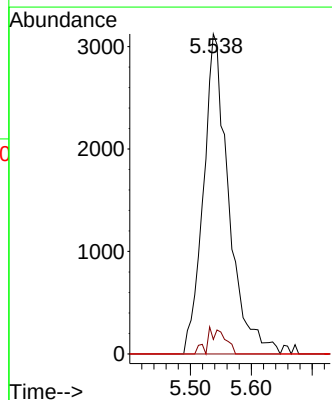
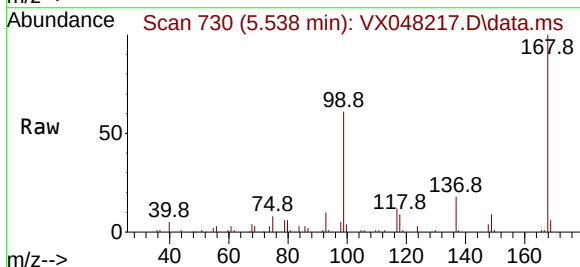
Tgt Ion: 117 Resp: 9022

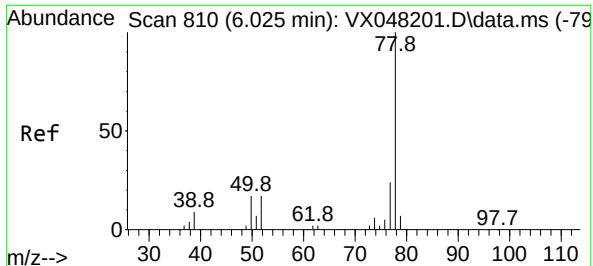
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 24.8 37.2#

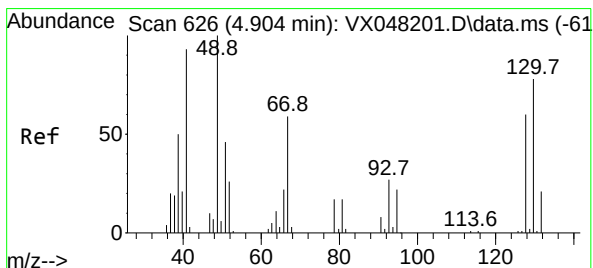
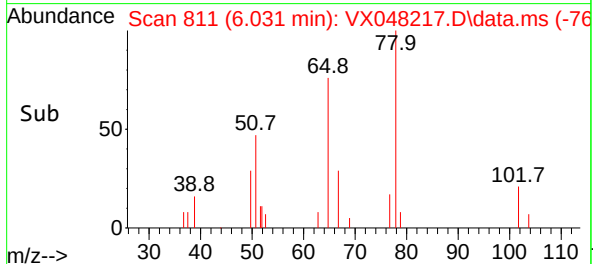
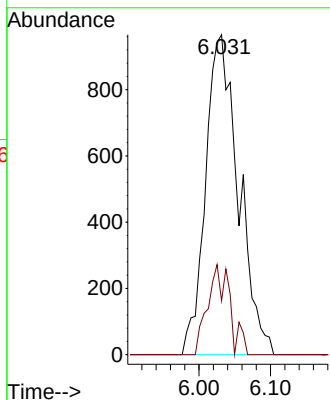
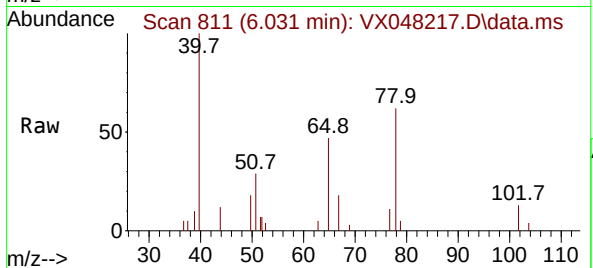




#40
Benzene
Concen: 0.624 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

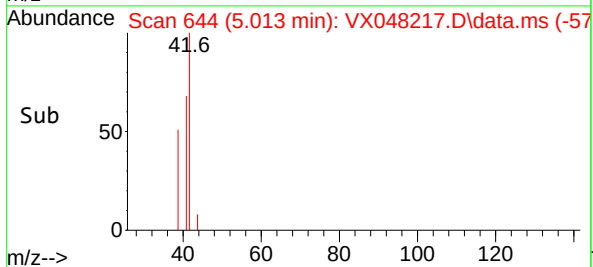
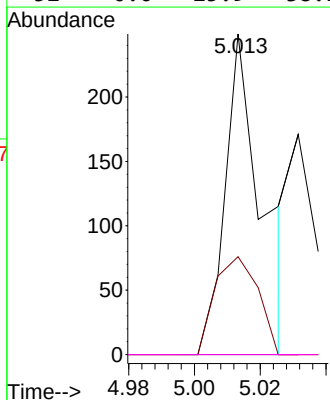
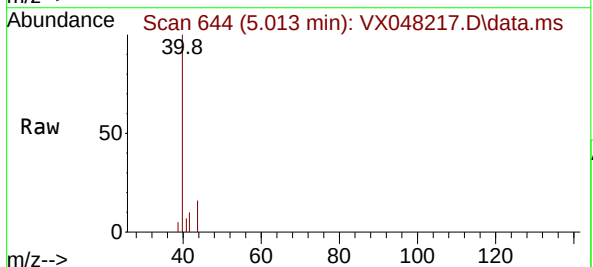
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

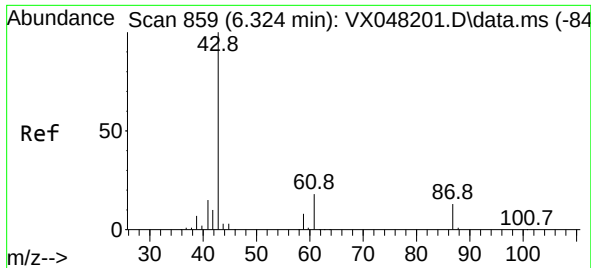
Tgt Ion: 78 Resp: 3090
Ion Ratio Lower Upper
78 100
77 16.9 19.3 28.9#



#41
Methacrylonitrile
Concen: 0.272 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 41 Resp: 194
Ion Ratio Lower Upper
41 100
39 35.6 44.0 66.0#
67 0.0 58.7 88.1#
52 0.0 25.9 38.9#

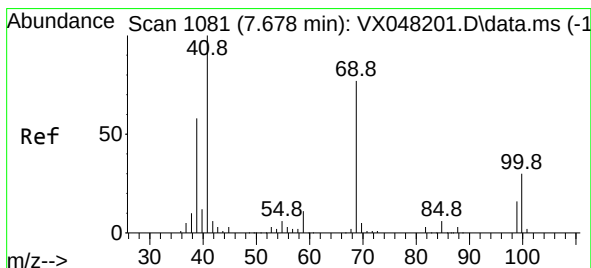
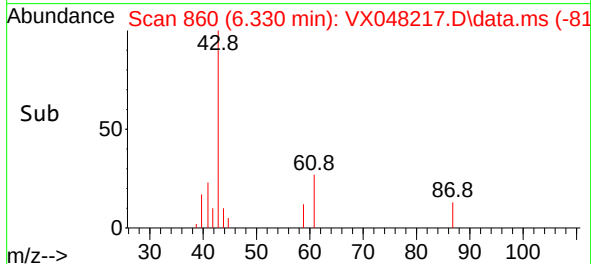
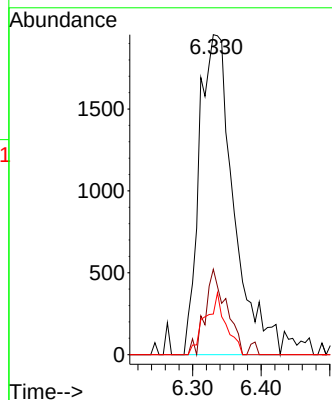
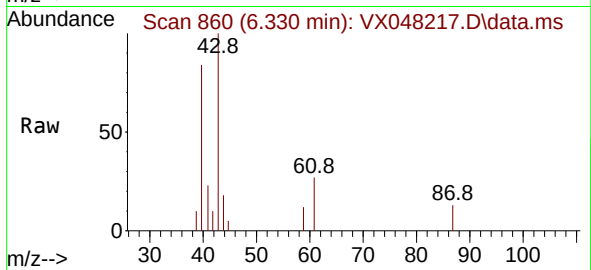




#43
Isopropyl Acetate
Concen: 3.042 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

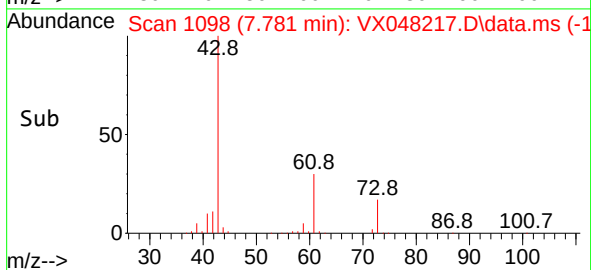
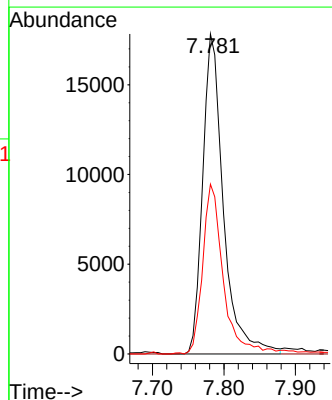
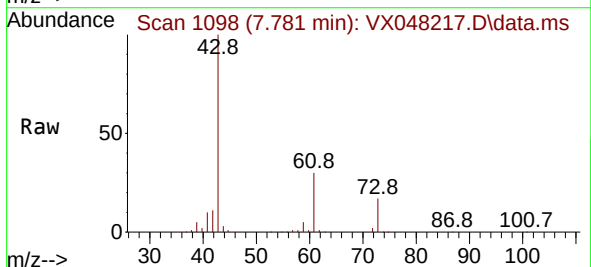
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

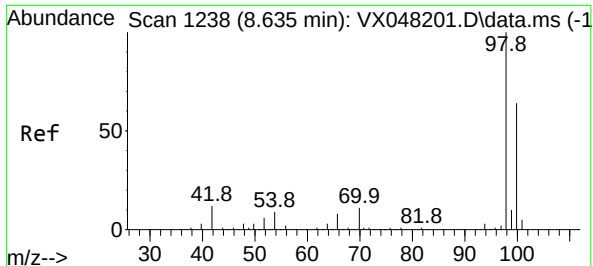
Tgt Ion: 43 Resp: 6801
Ion Ratio Lower Upper
43 100
61 16.5 14.9 22.3
87 11.6 9.4 14.2



#48
Methyl methacrylate
Concen: 31.289 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 41 Resp: 35809
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 54.1 47.1 70.7





#50

Toluene-d8

Concen: 47.924 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

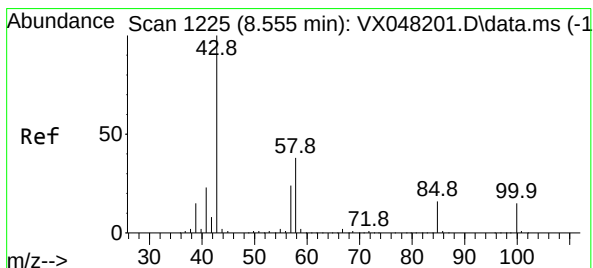
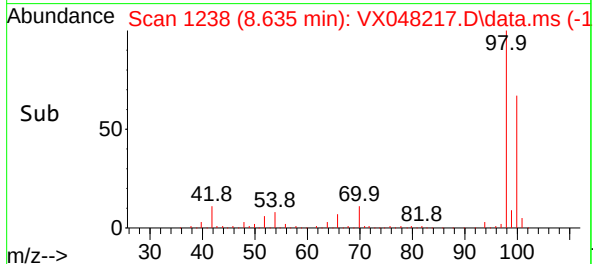
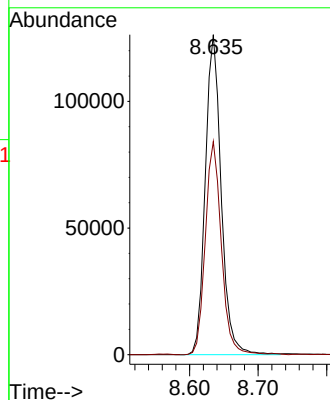
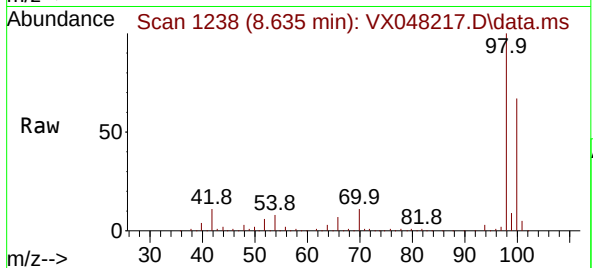
DRUM-1

Tgt Ion: 98 Resp: 204246

Ion Ratio Lower Upper

98 100

100 67.2 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 36.194 ug/l

RT: 8.531 min Scan# 1221

Delta R.T. -0.024 min

Lab File: VX048217.D

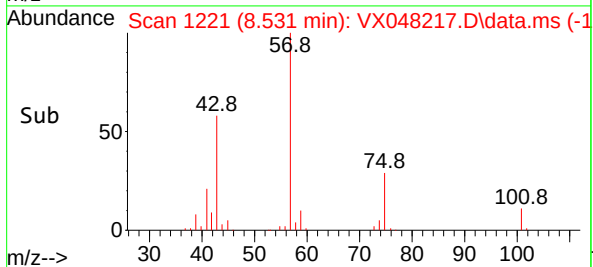
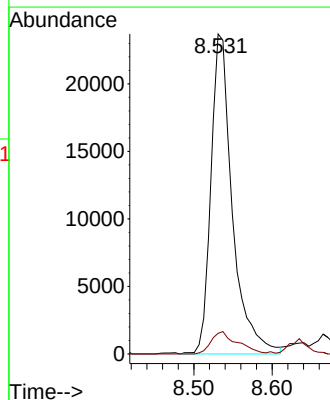
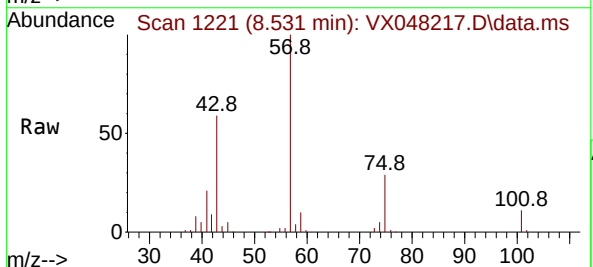
Acq: 17 Oct 2025 16:54

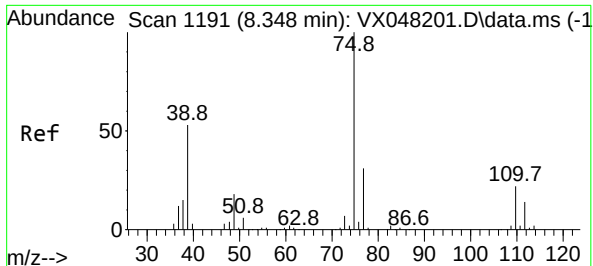
Tgt Ion: 43 Resp: 45028

Ion Ratio Lower Upper

43 100

58 8.6 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 10.506 ug/l

RT: 8.531 min Scan# 1191

Delta R.T. 0.183 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

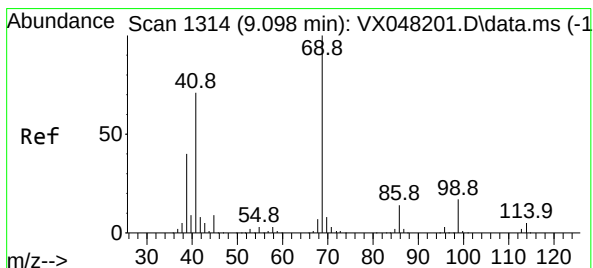
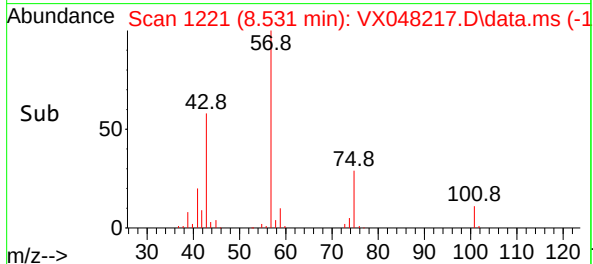
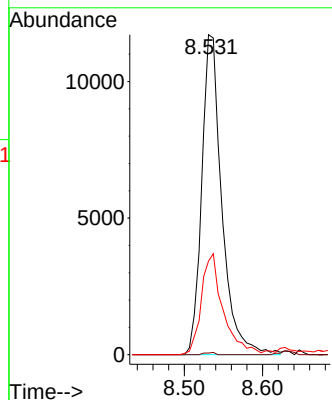
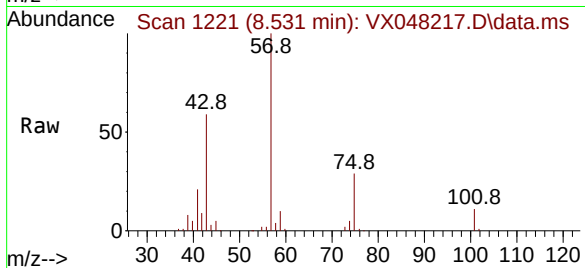
Tgt Ion: 75 Resp: 20893

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

39 27.3 42.6 64.0#



#56

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 9.226 min Scan# 1335

Delta R.T. 0.128 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

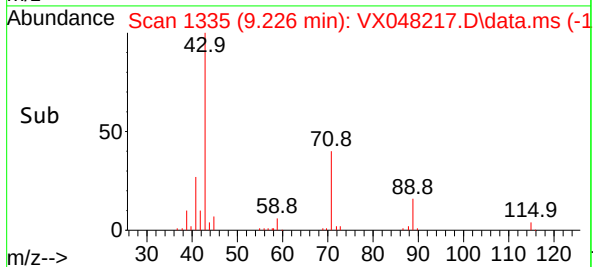
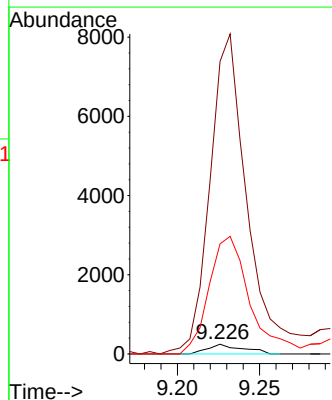
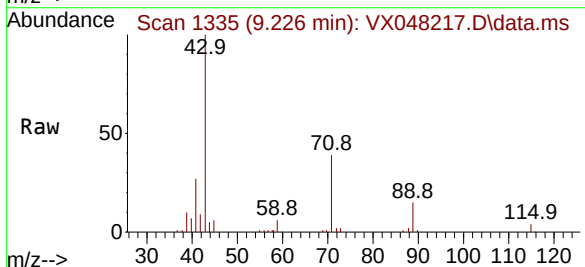
Tgt Ion: 69 Resp: 365

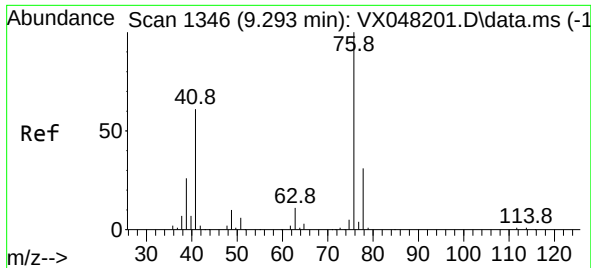
Ion Ratio Lower Upper

69 100

41 3532.9 56.0 84.0#

39 1401.1 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 0.822 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.177 min

Lab File: VX048217.D

Acq: 17 Oct 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

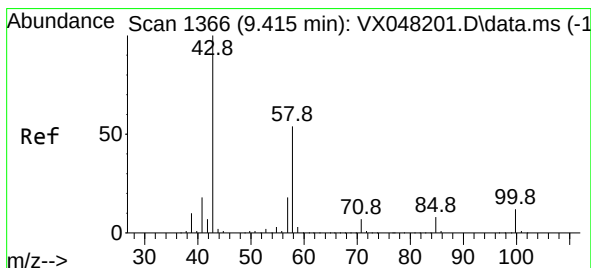
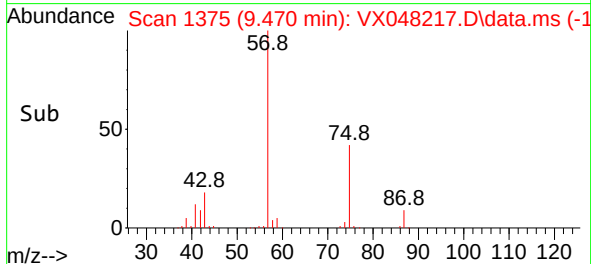
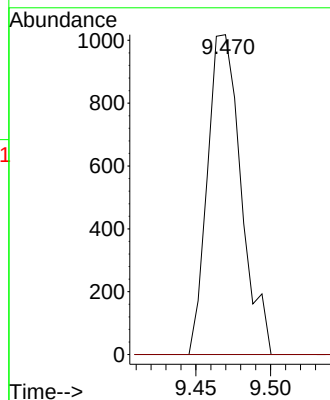
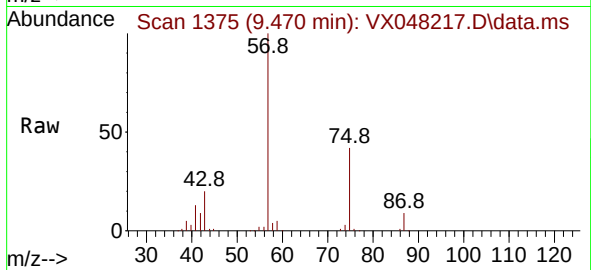
DRUM-1

Tgt Ion: 76 Resp: 1594

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 2.250 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VX048217.D

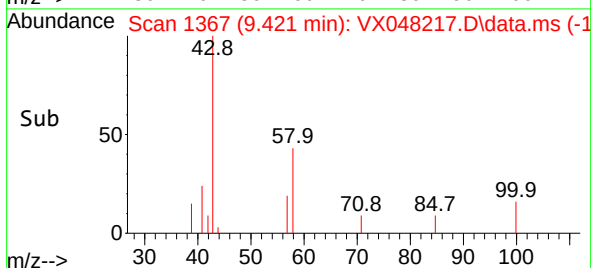
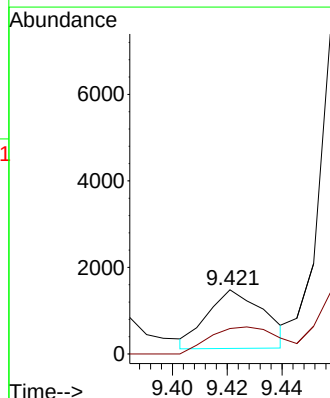
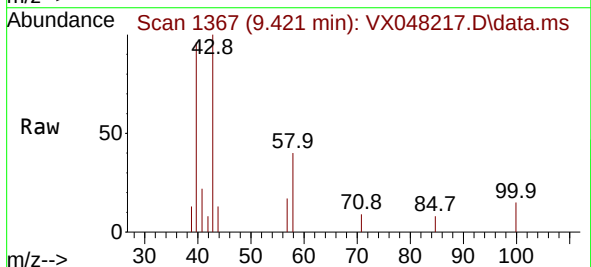
Acq: 17 Oct 2025 16:54

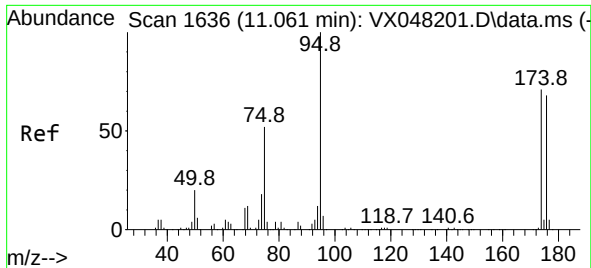
Tgt Ion: 43 Resp: 1958

Ion Ratio Lower Upper

43 100

58 56.7 26.3 78.8

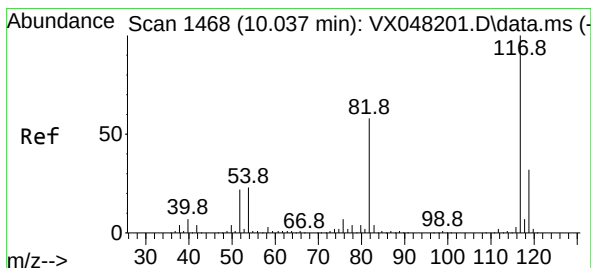
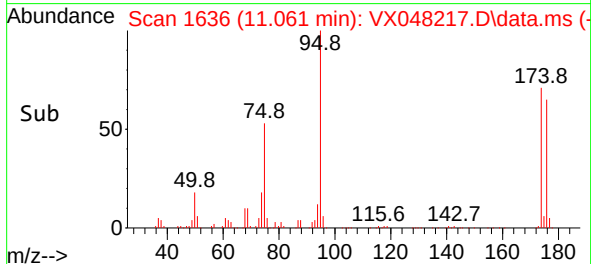
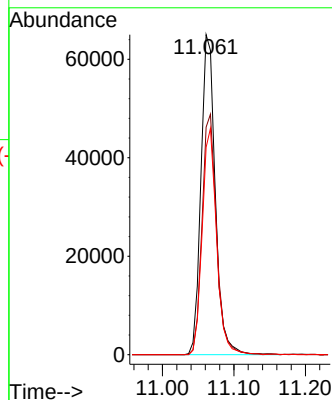
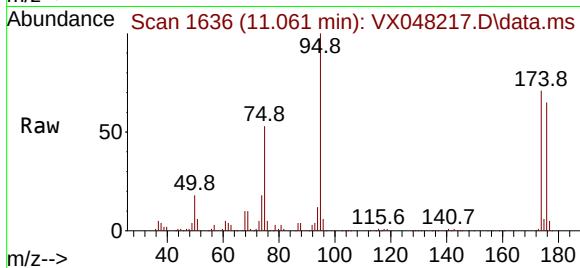




#62
4-Bromofluorobenzene
Concen: 58.293 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

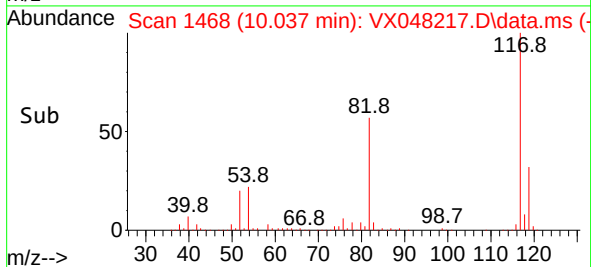
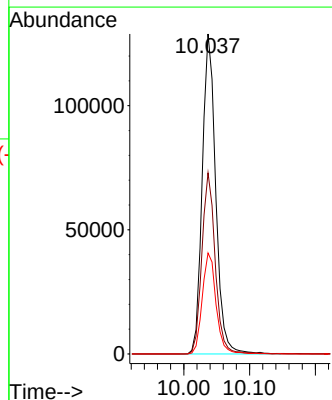
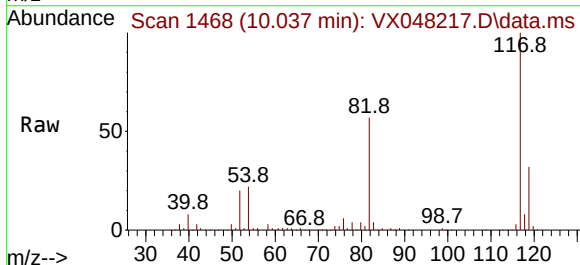
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

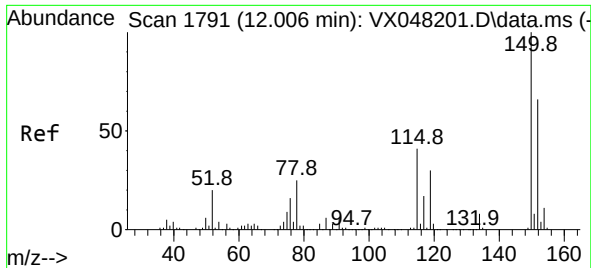
Tgt Ion: 95 Resp: 90487
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.8
176 71.0 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048217.D
Acq: 17 Oct 2025 16:54

Tgt Ion: 117 Resp: 184030
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 31.5 25.9 38.9

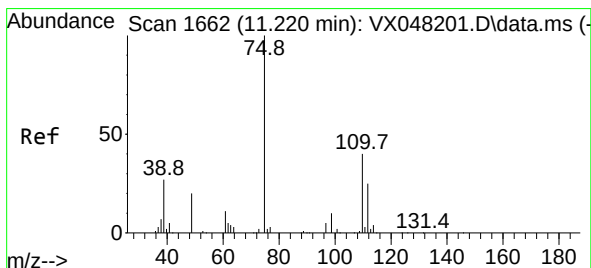
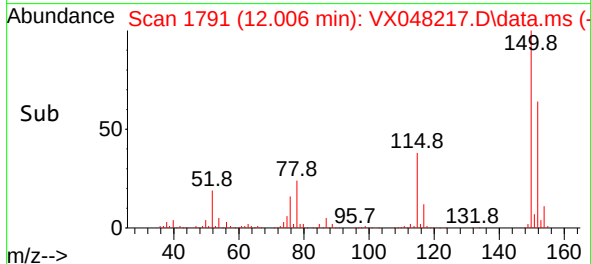
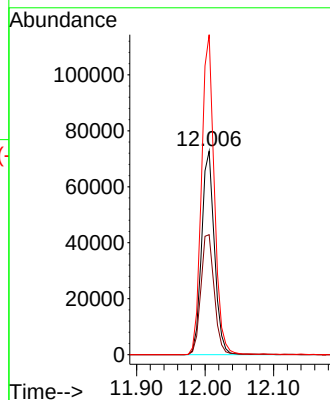
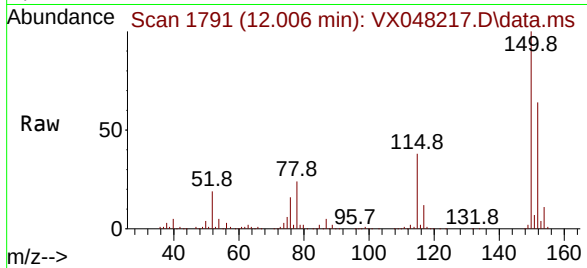




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048217.D
 Acq: 17 Oct 2025 16:54

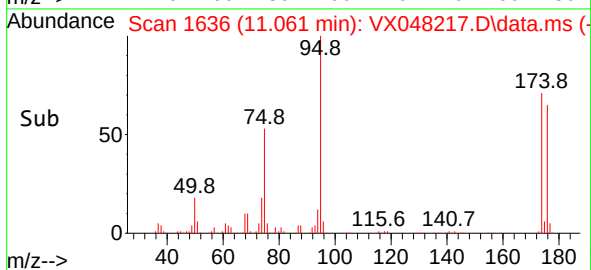
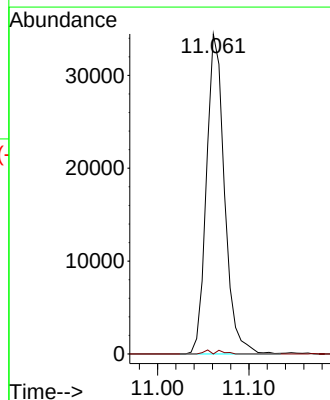
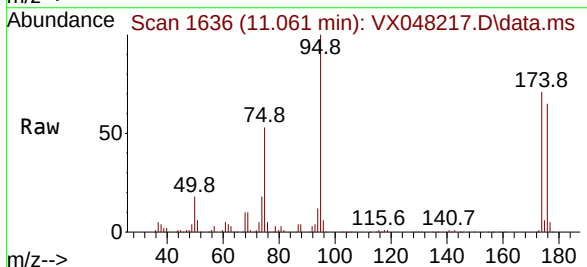
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1

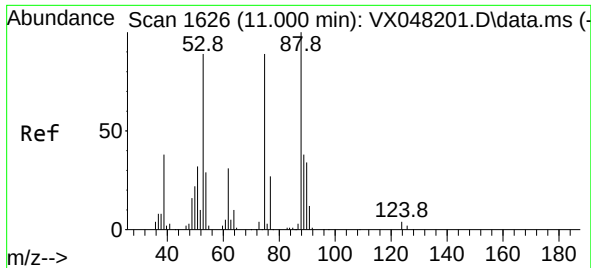
Tgt Ion:152 Resp: 95110
 Ion Ratio Lower Upper
 152 100
 115 61.4 43.1 129.4
 150 156.5 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 32.448 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048217.D
 Acq: 17 Oct 2025 16:54

Tgt Ion: 75 Resp: 47126
 Ion Ratio Lower Upper
 75 100
 77 0.4 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.453 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048217.D
 Acq: 17 Oct 2025 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1

Tgt Ion: 75 Resp: 47126
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 36.8 55.2#

