

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048392.D
 Acq On : 28 Oct 2025 12:33
 Operator : JC/MD
 Sample : Q3460-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

Quant Time: Oct 29 01:18:19 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)

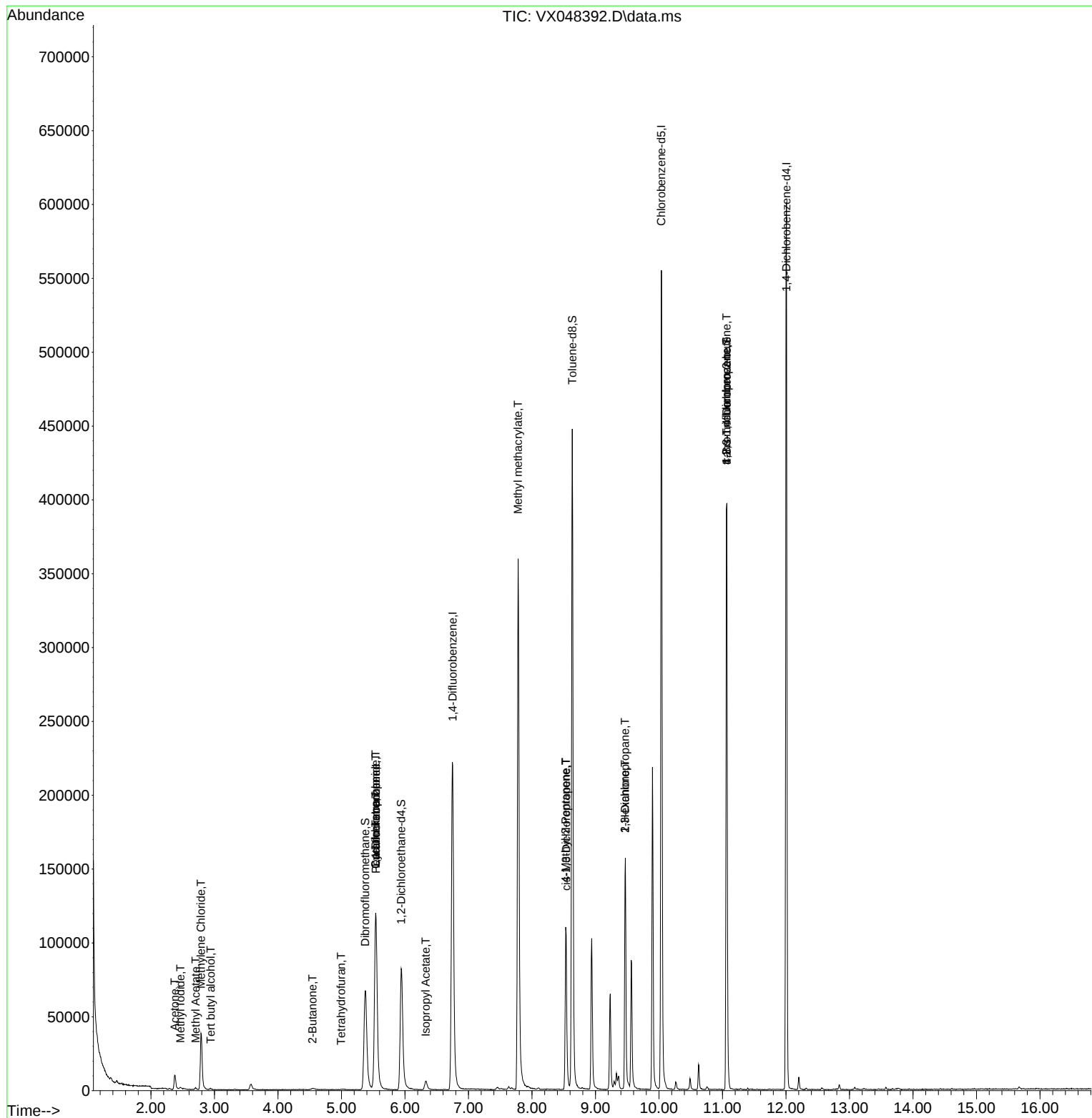
Internal Standards						
1) Pentafluorobenzene	5.544	168	119027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	246697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	92133	55.208	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.420%	
35) Dibromofluoromethane	5.373	113	67835	40.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 80.560%	
50) Toluene-d8	8.635	98	275954	46.746	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.500%	
62) 4-Bromofluorobenzene	11.061	95	117214	52.193	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.380%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1557	0.964	ug/l	92
11) Tert butyl alcohol	2.941	59	58	0.350	ug/l #	72
16) Acetone	2.374	43	13444	23.483	ug/l	95
18) Methyl Acetate	2.703	43	1839	1.538	ug/l	92
20) Methylene Chloride	2.788	84	19592	14.045	ug/l	97
25) 2-Butanone	4.544	43	367	0.506	ug/l #	80
29) Tetrahydrofuran	4.995	42	123	0.283	ug/l #	47
31) Cyclohexane	5.538	56	2465	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10031	4.190	ug/l #	50
38) Carbon Tetrachloride	5.538	117	12595	4.265	ug/l #	17
43) Isopropyl Acetate	6.324	43	9661	2.964	ug/l	96
48) Methyl methacrylate	7.781	41	35720	21.720	ug/l #	46
51) 4-Methyl-2-Pentanone	8.531	43	42318	22.520	ug/l #	51
54) cis-1,3-Dichloropropene	8.537	75	19087	6.605	ug/l #	60
57) 1,3-Dichloropropane	9.464	76	1260	0.449	ug/l #	43
59) 2-Hexanone	9.464	43	20207	15.422	ug/l #	54
76) 1,2,3-Trichloropropane	11.061	75	61976	30.144	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	61976	73.338	ug/l #	10

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
Data File : VX048392.D
Acq On : 28 Oct 2025 12:33
Operator : JC/MD
Sample : Q3460-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-5

Quant Time: Oct 29 01:18:19 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

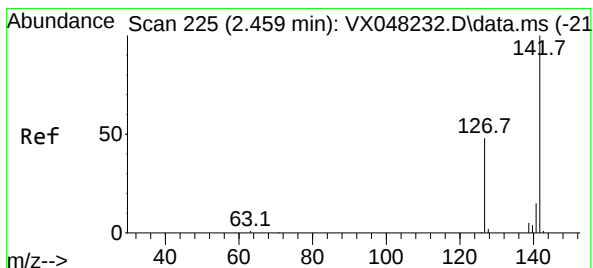
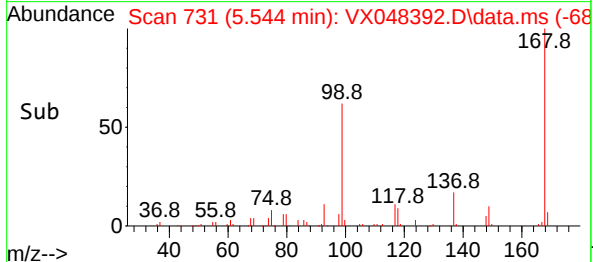
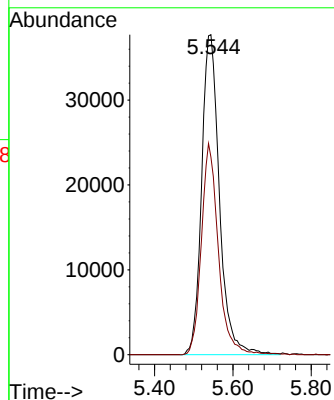
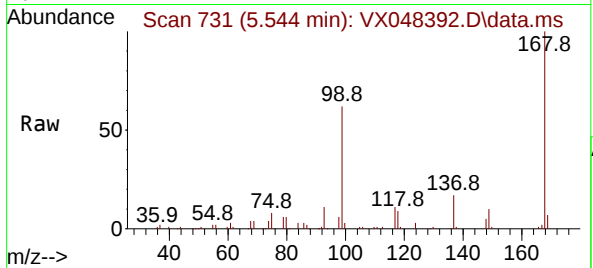




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

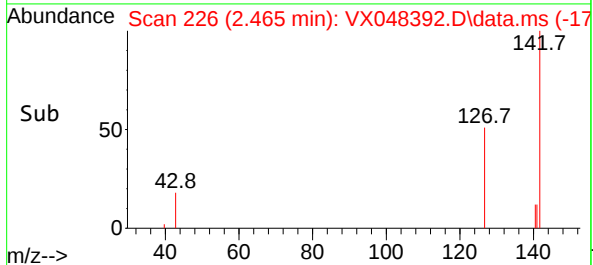
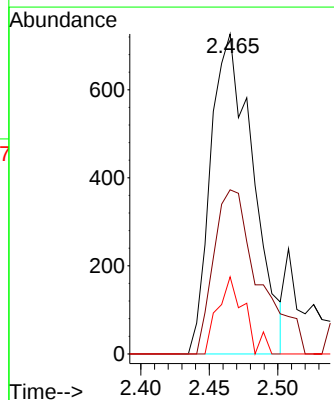
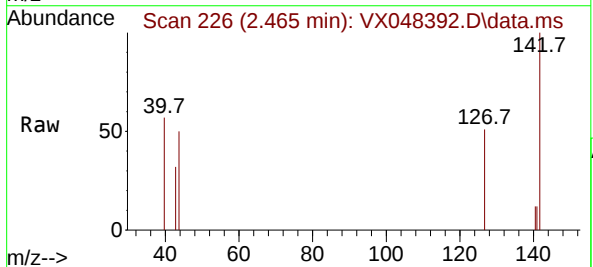
Instrument :
MSVOA_X
ClientSampleId :
WC-5

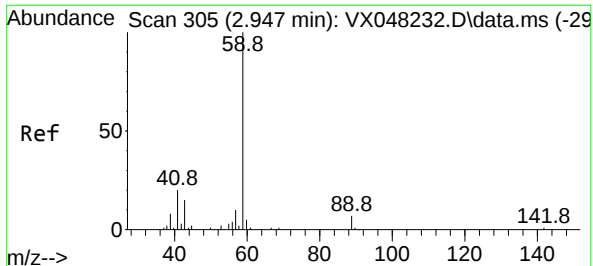
Tgt Ion:168 Resp: 119027
Ion Ratio Lower Upper
168 100
99 61.7 46.4 69.6



#10
Methyl Iodide
Concen: 0.964 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion:142 Resp: 1557
Ion Ratio Lower Upper
142 100
127 55.0 38.5 57.7
141 15.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 0.350 ug/l

RT: 2.941 min Scan# 305

Delta R.T. 0.000 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

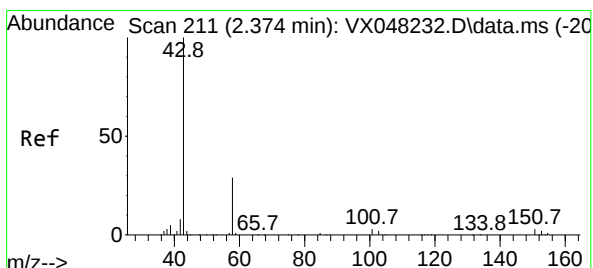
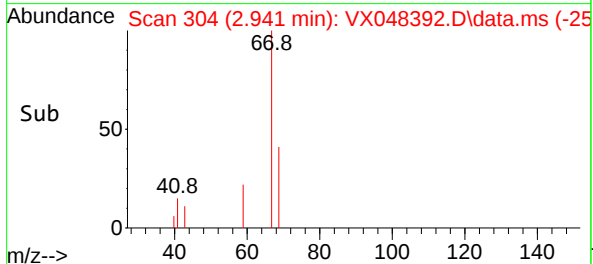
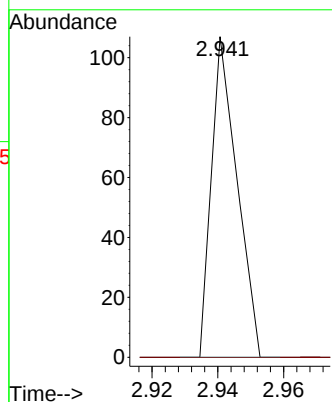
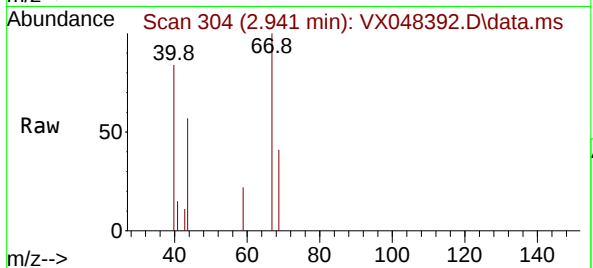
WC-5

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 23.483 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048392.D

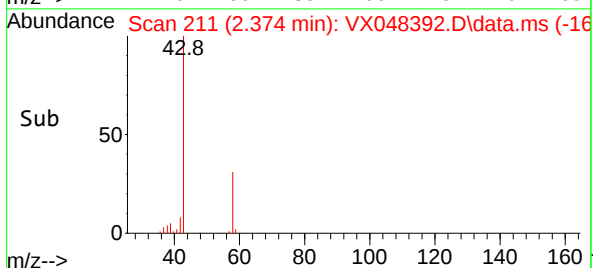
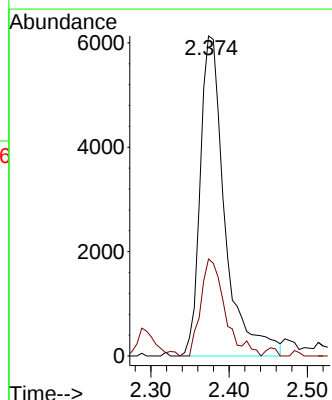
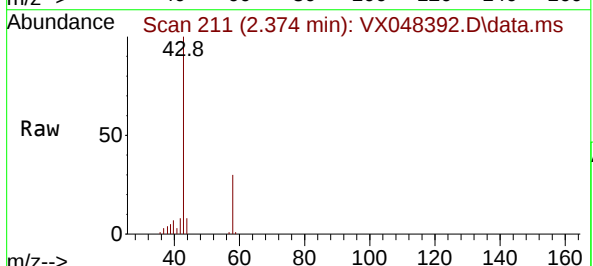
Acq: 28 Oct 2025 12:33

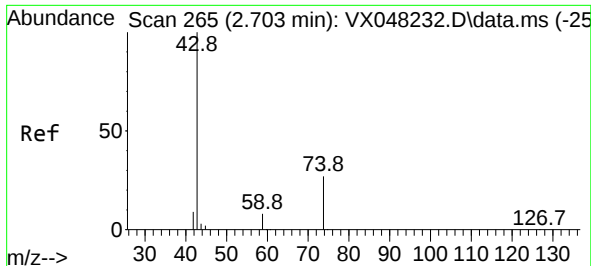
Tgt Ion: 43 Resp: 13444

Ion Ratio Lower Upper

43 100

58 32.2 23.4 35.2

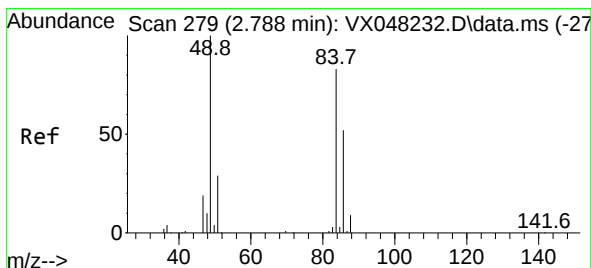
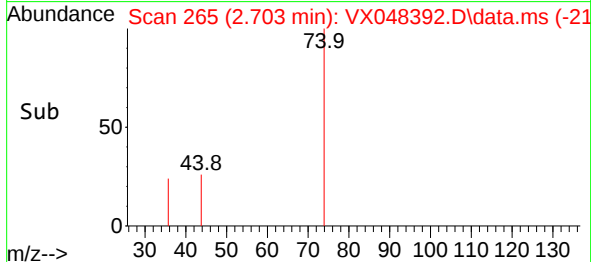
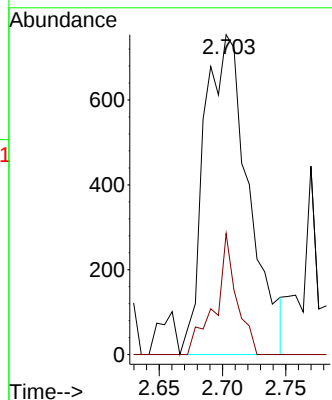
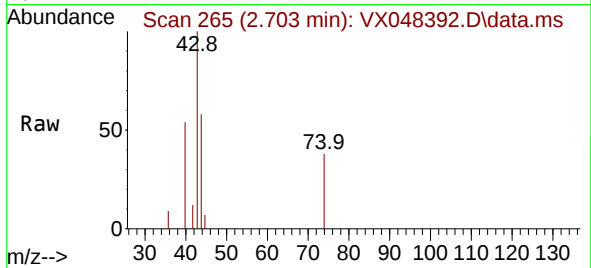




#18
Methyl Acetate
Concen: 1.538 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

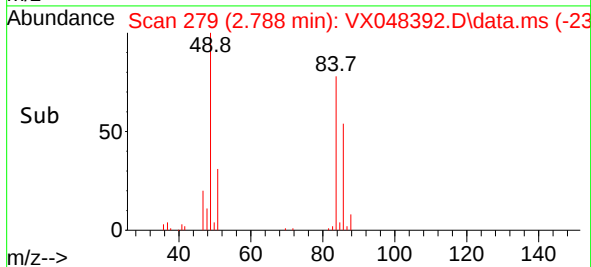
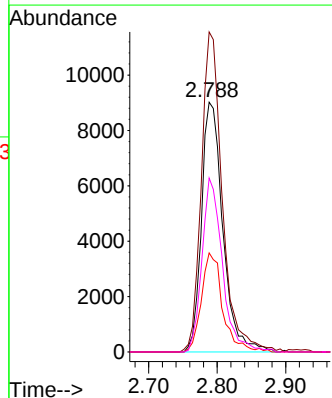
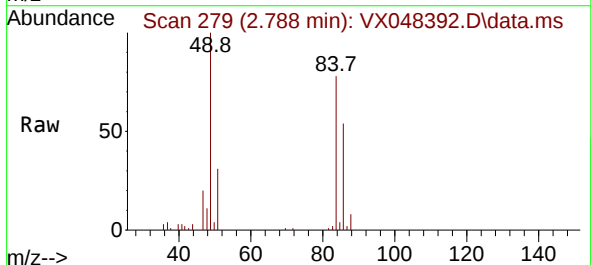
Instrument :
MSVOA_X
ClientSampleId :
WC-5

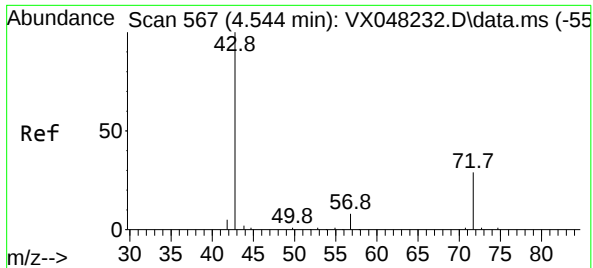
Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
74 18.2 17.5 26.3



#20
Methylene Chloride
Concen: 14.045 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion: 84 Resp: 19592
Ion Ratio Lower Upper
84 100
49 128.1 104.1 156.1
51 39.6 31.3 46.9
86 69.6 51.3 76.9

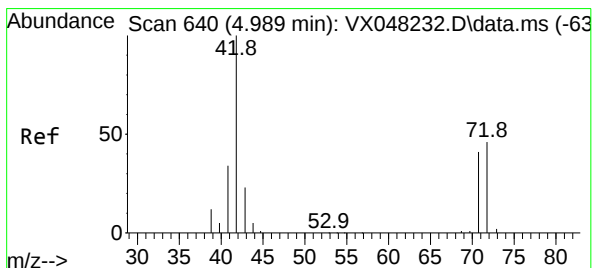
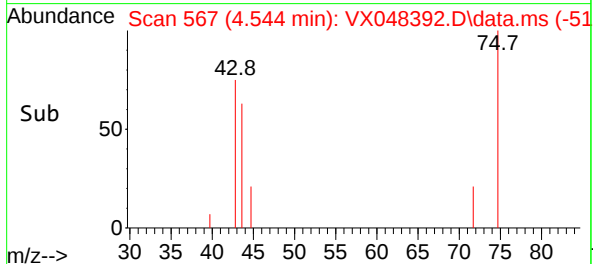
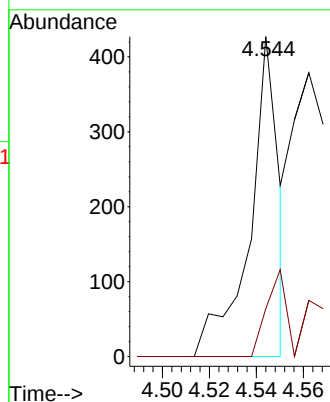
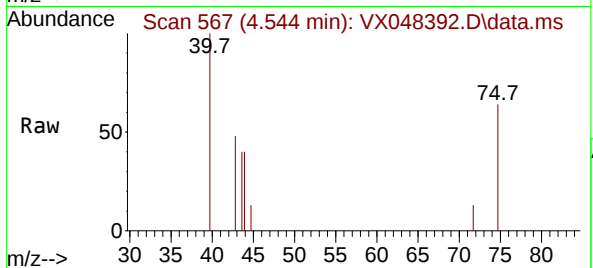




#25
2-Butanone
Concen: 0.506 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

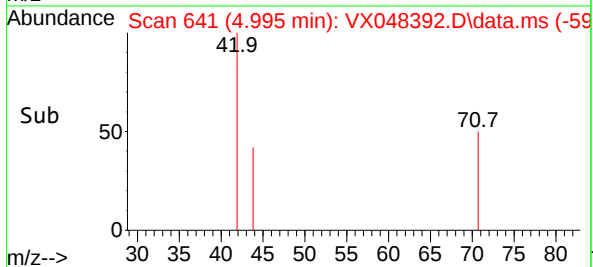
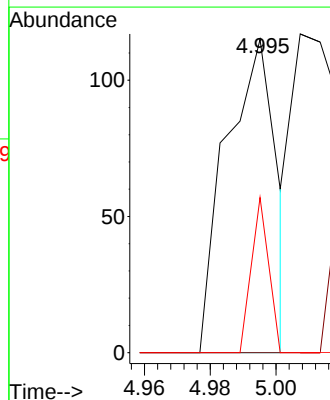
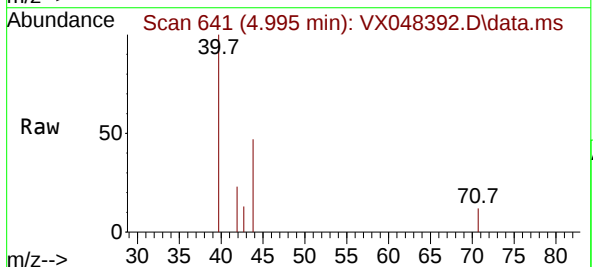
Instrument :
MSVOA_X
ClientSampleId :
WC-5

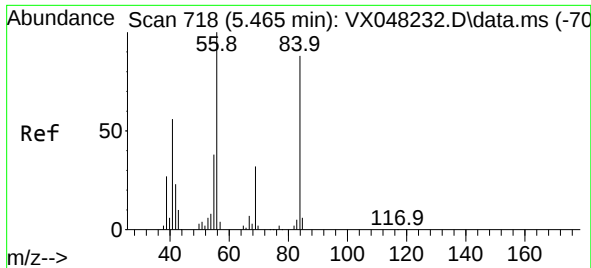
Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
72 15.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 4.995 min Scan# 641
Delta R.T. 0.006 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion: 42 Resp: 123
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 17.1 32.2 48.4#

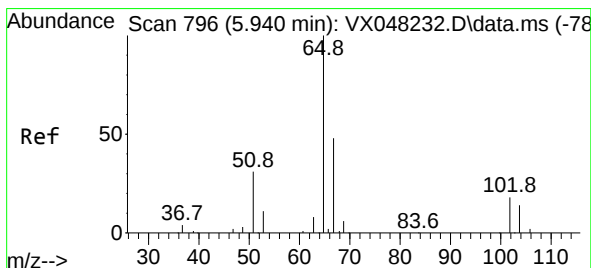
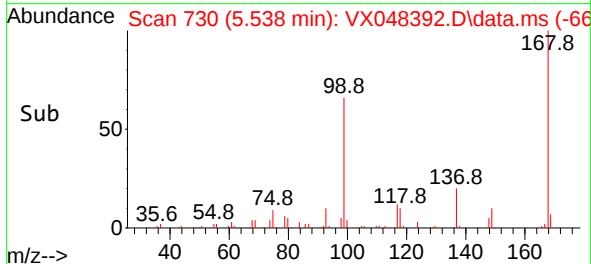
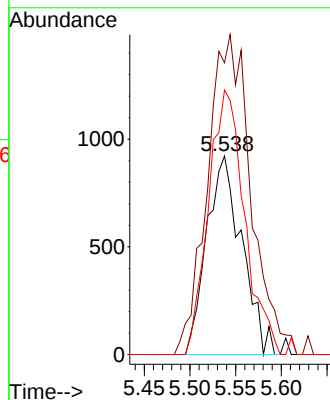
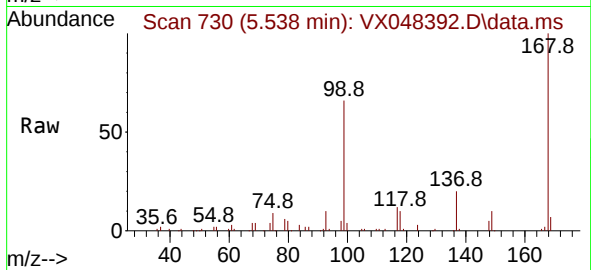




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

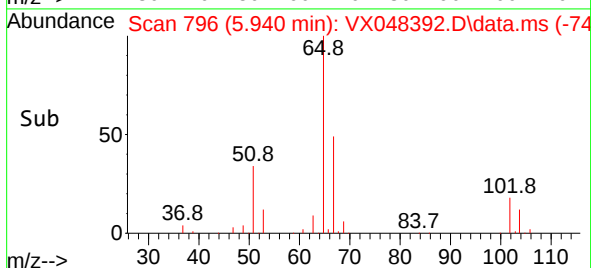
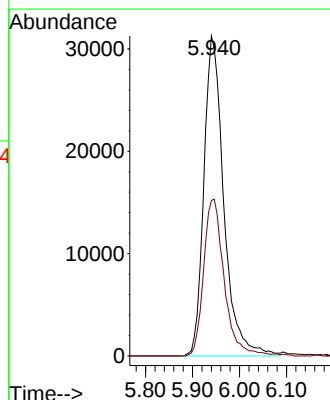
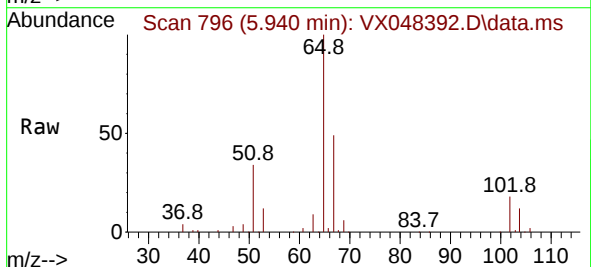
Instrument :
MSVOA_X
ClientSampleId :
WC-5

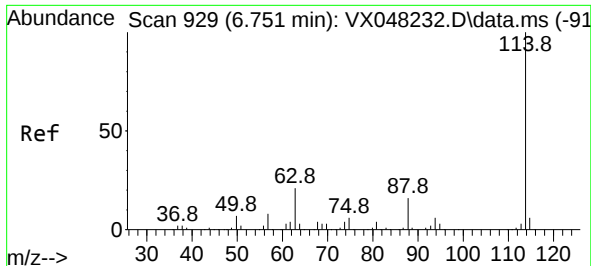
Tgt Ion: 56 Resp: 2465
Ion Ratio Lower Upper
56 100
69 140.3 23.0 34.6#
84 133.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.208 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion: 65 Resp: 92133
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.0

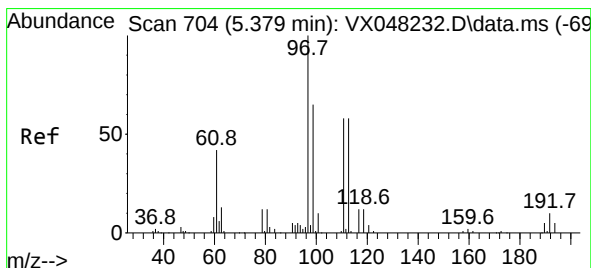
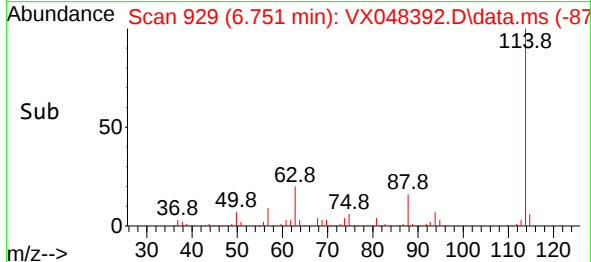
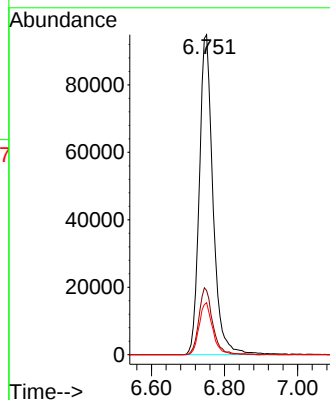
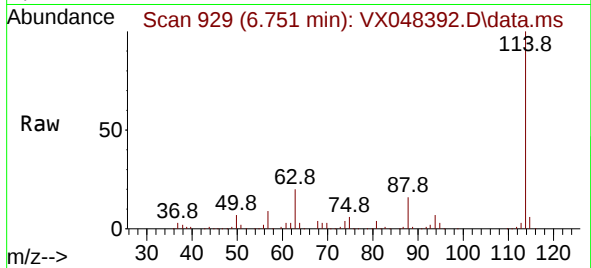




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

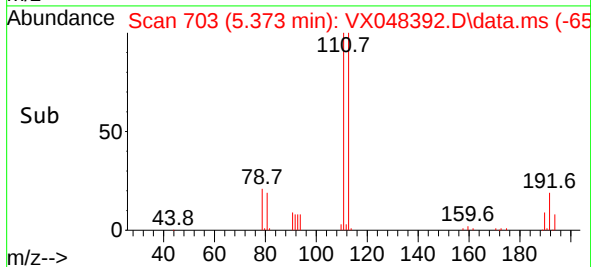
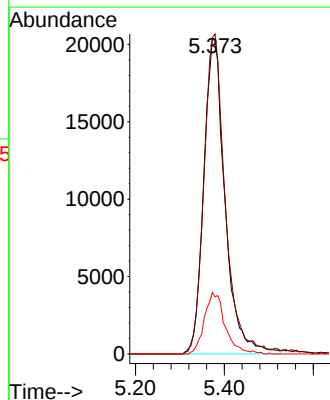
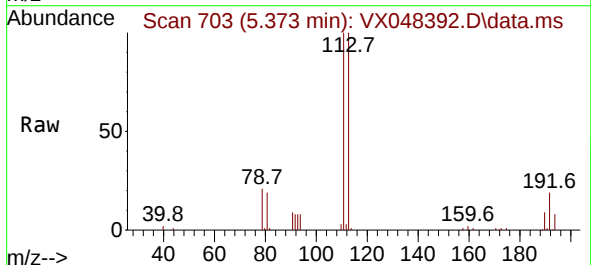
Instrument :
MSVOA_X
ClientSampleId :
WC-5

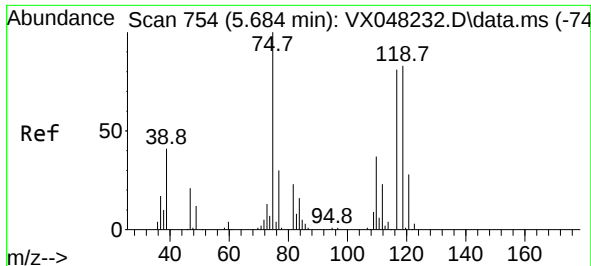
Tgt Ion:114 Resp: 246697
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 40.278 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion:113 Resp: 67835
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 19.0 15.1 22.7

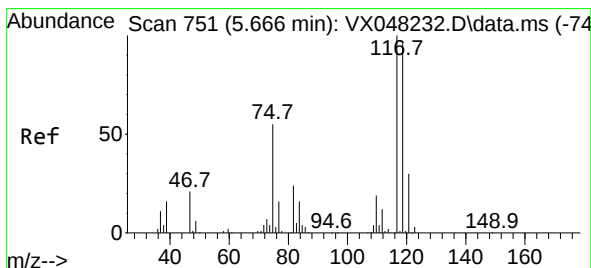
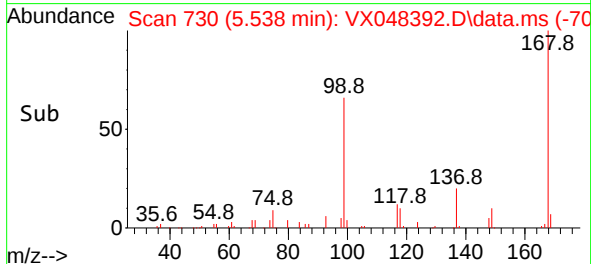
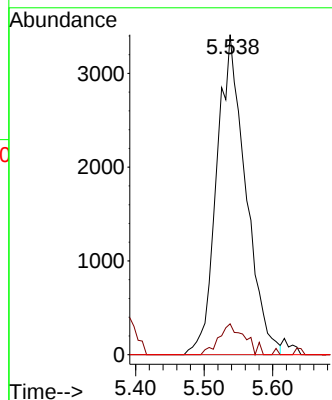
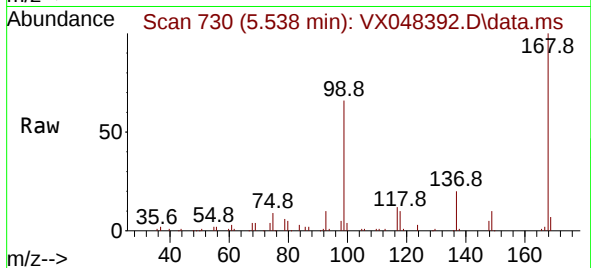




#36
1,1-Dichloropropene
Concen: 4.190 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

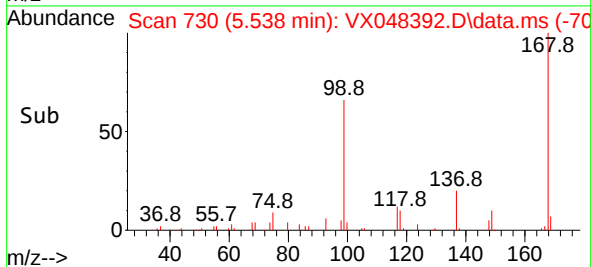
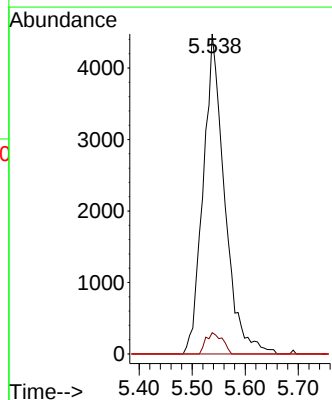
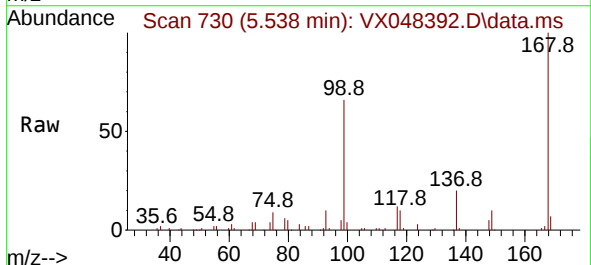
Instrument :
MSVOA_X
ClientSampleId :
WC-5

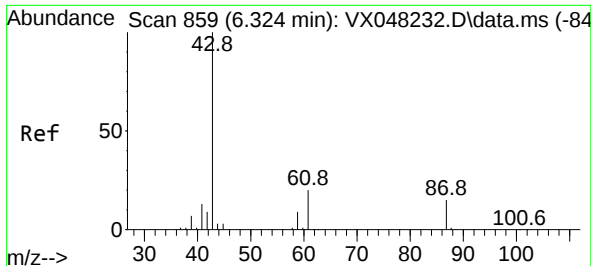
Tgt Ion: 75 Resp: 10031
Ion Ratio Lower Upper
75 100
110 8.6 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.265 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion: 117 Resp: 12595
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 24.8 37.2#

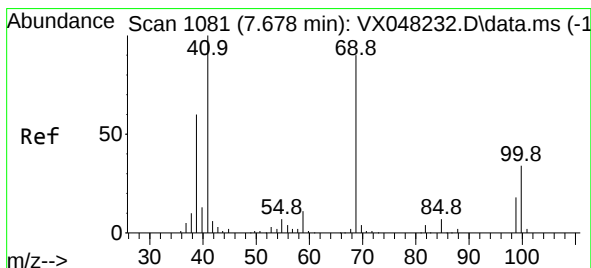
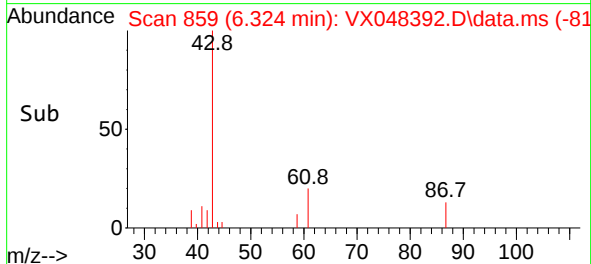
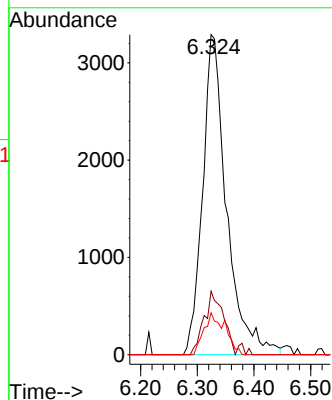
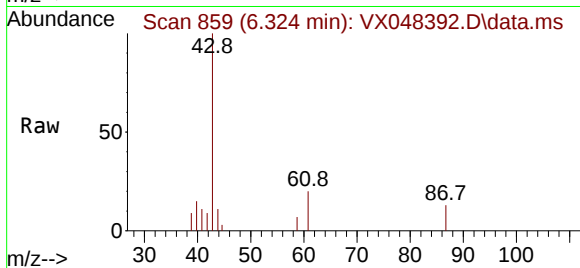




#43
Isopropyl Acetate
Concen: 2.964 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

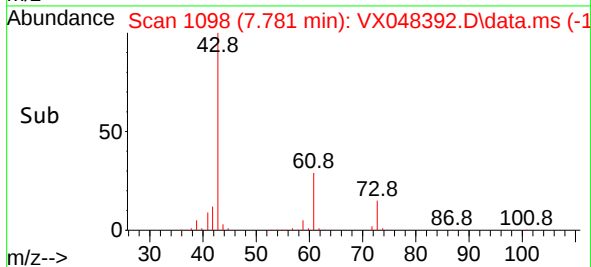
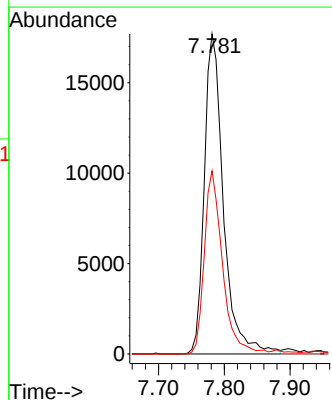
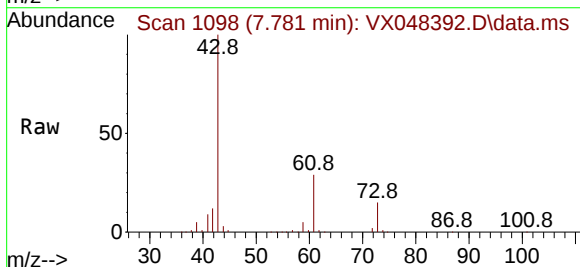
Instrument :
MSVOA_X
ClientSampleId :
WC-5

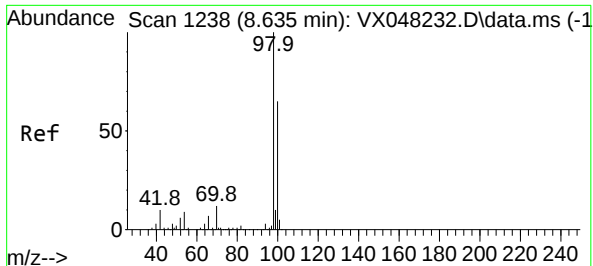
Tgt Ion:	43	Resp:	9661
Ion	Ratio	Lower	Upper
43	100		
61	16.0	14.9	22.3
87	11.5	9.4	14.2



#48
Methyl methacrylate
Concen: 21.720 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion:	41	Resp:	35720
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.4	95.0#
39	54.6	47.1	70.7





#50

Toluene-d8

Concen: 46.746 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

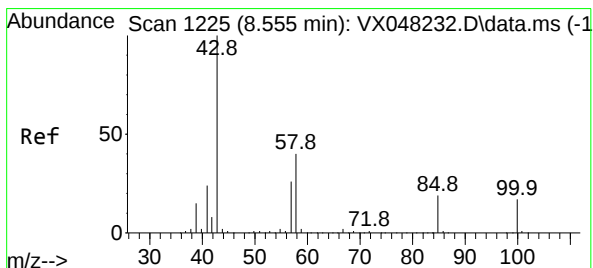
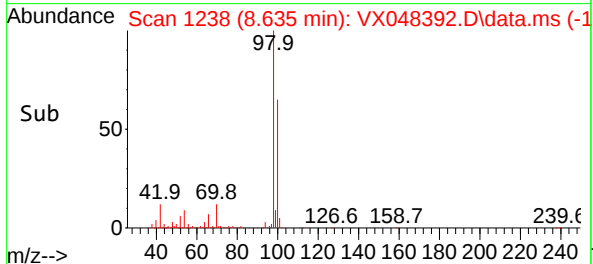
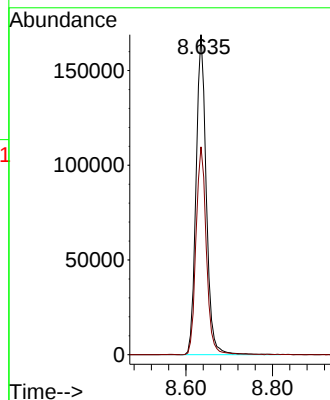
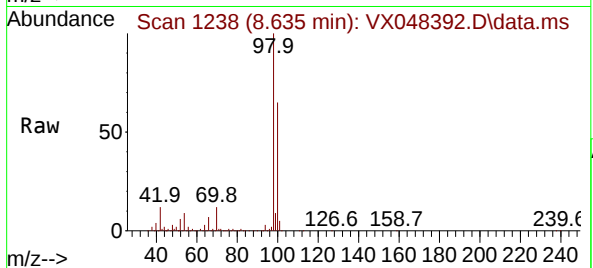
WC-5

Tgt Ion: 98 Resp: 275954

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 22.520 ug/l

RT: 8.531 min Scan# 1221

Delta R.T. -0.024 min

Lab File: VX048392.D

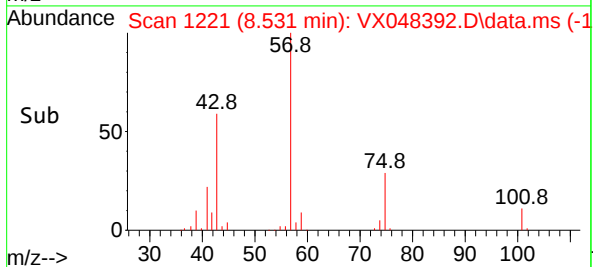
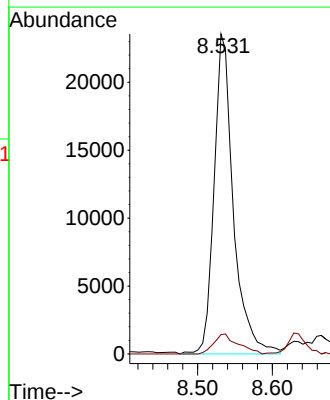
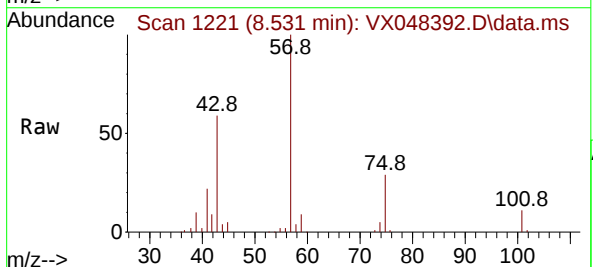
Acq: 28 Oct 2025 12:33

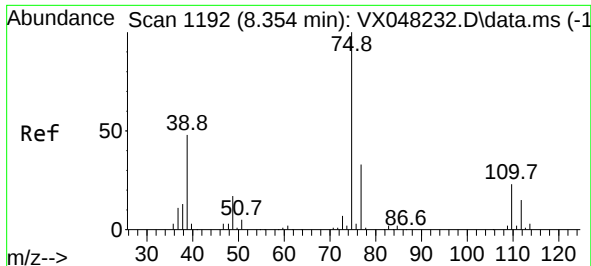
Tgt Ion: 43 Resp: 42318

Ion Ratio Lower Upper

43 100

58 7.8 29.5 44.3#

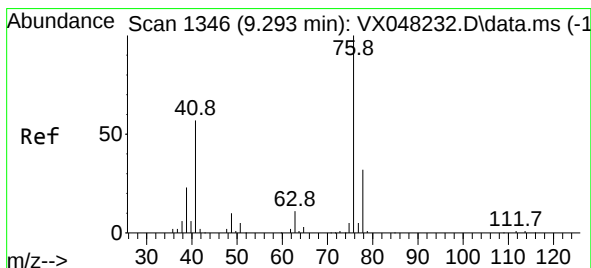
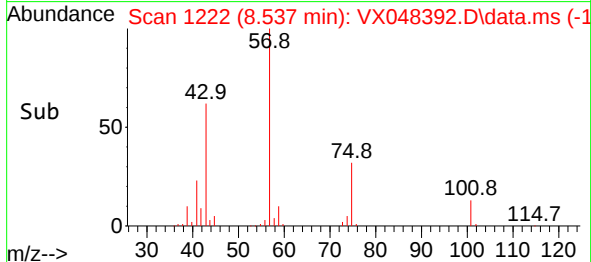
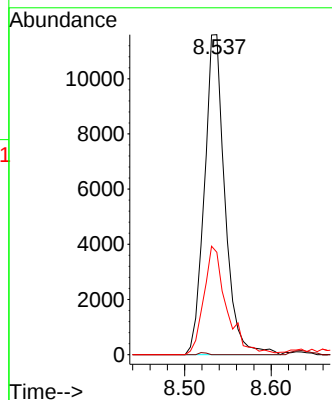
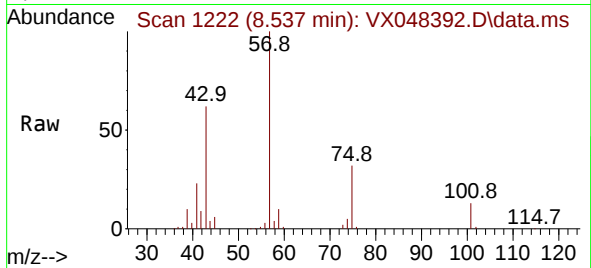




#54
 cis-1,3-Dichloropropene
 Concen: 6.605 ug/l
 RT: 8.537 min Scan# 1192
 Delta R.T. 0.189 min
 Lab File: VX048392.D
 Acq: 28 Oct 2025 12:33

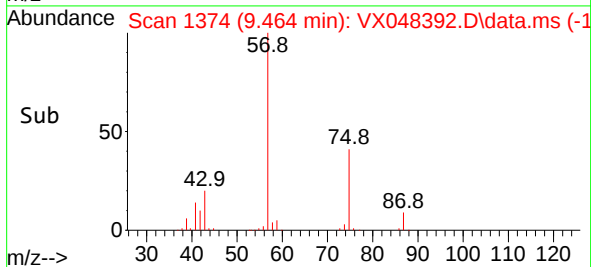
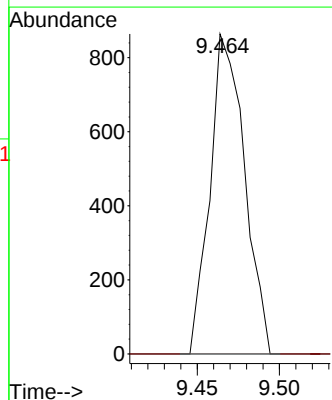
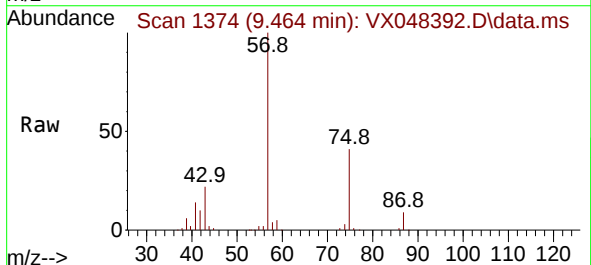
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

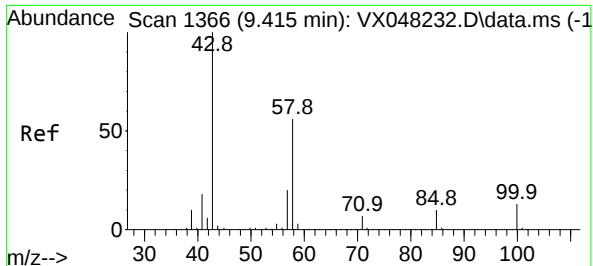
Tgt Ion: 75 Resp: 19087
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 31.3 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.449 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.171 min
 Lab File: VX048392.D
 Acq: 28 Oct 2025 12:33

Tgt Ion: 76 Resp: 1260
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 15.422 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

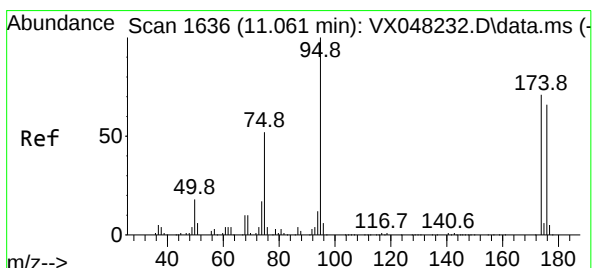
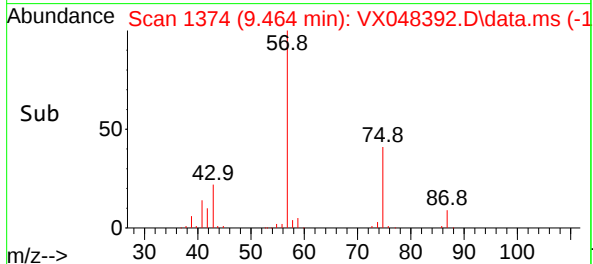
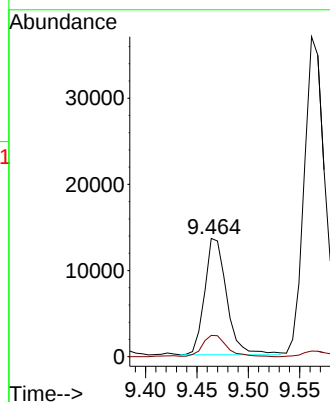
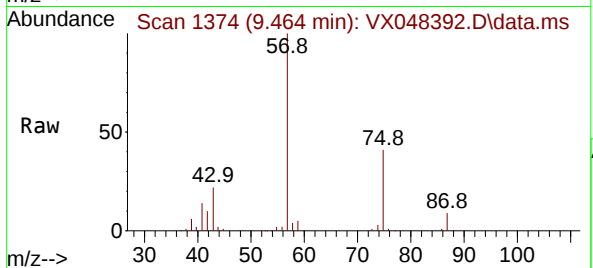
WC-5

Tgt Ion: 43 Resp: 20207

Ion Ratio Lower Upper

43 100

58 20.2 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 52.193 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

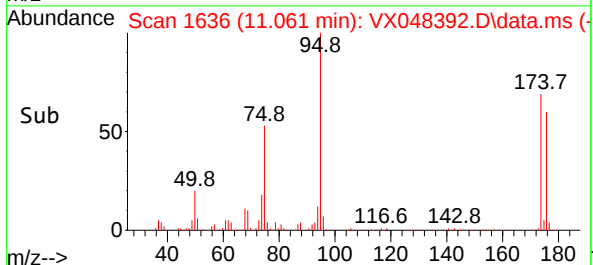
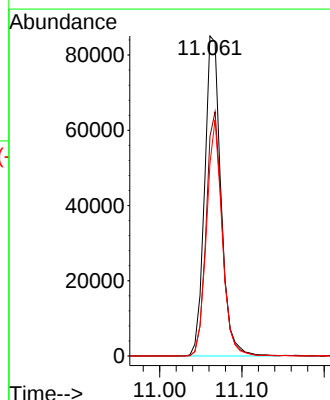
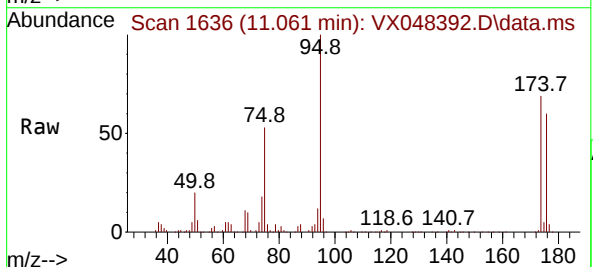
Tgt Ion: 95 Resp: 117214

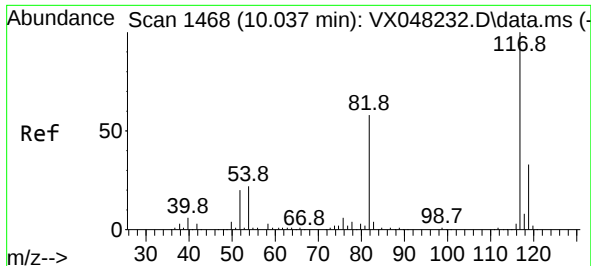
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.8

176 70.6 0.0 142.8

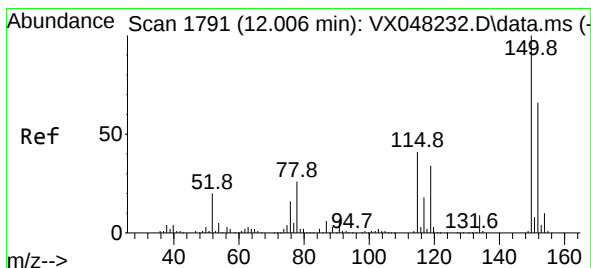
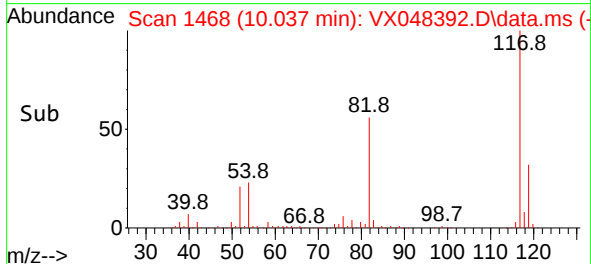
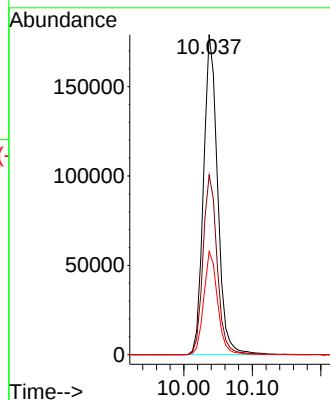
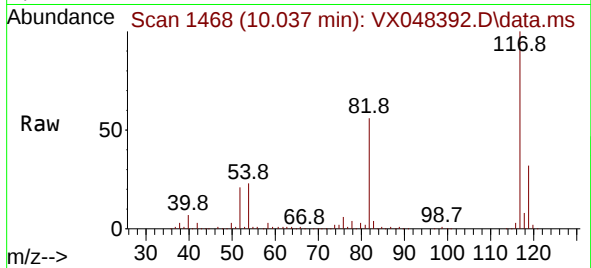




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

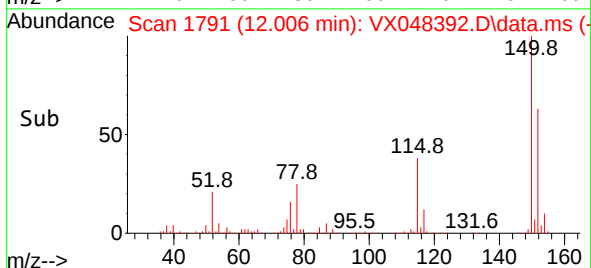
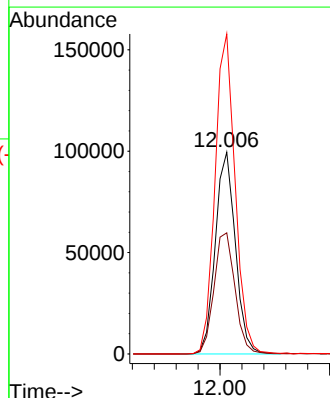
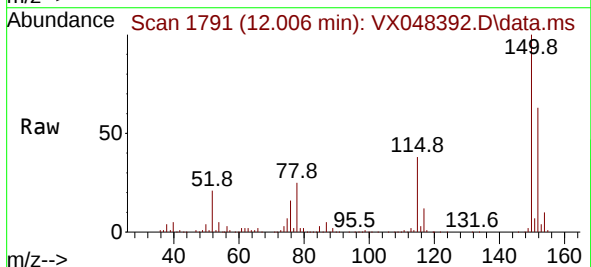
Instrument :
MSVOA_X
ClientSampleId :
WC-5

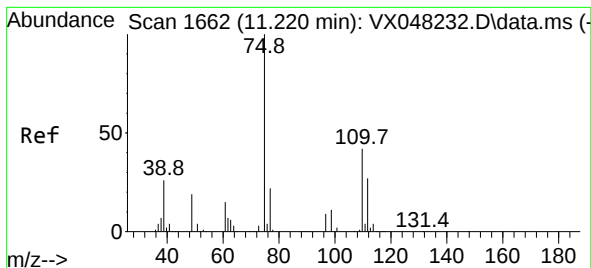
Tgt Ion:117 Resp: 257009
Ion Ratio Lower Upper
117 100
82 56.1 46.5 69.7
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048392.D
Acq: 28 Oct 2025 12:33

Tgt Ion:152 Resp: 126783
Ion Ratio Lower Upper
152 100
115 62.9 43.1 129.4
150 158.6 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 30.144 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

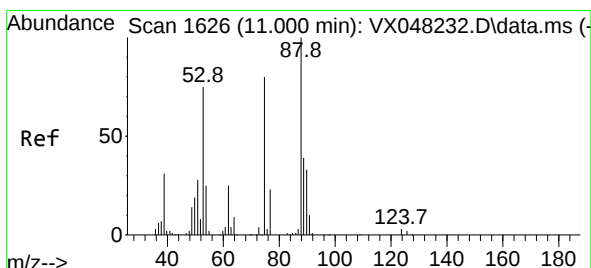
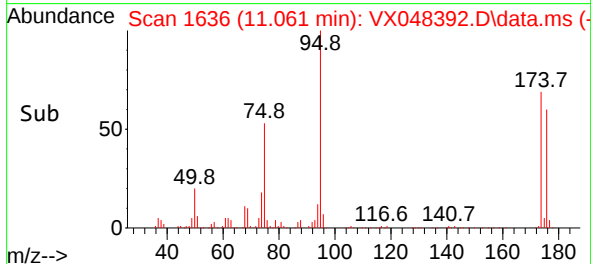
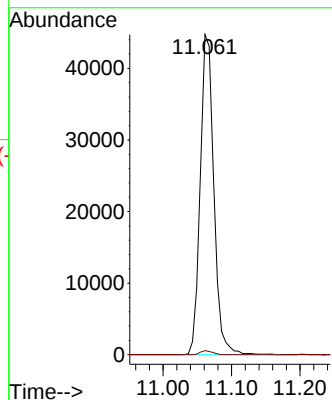
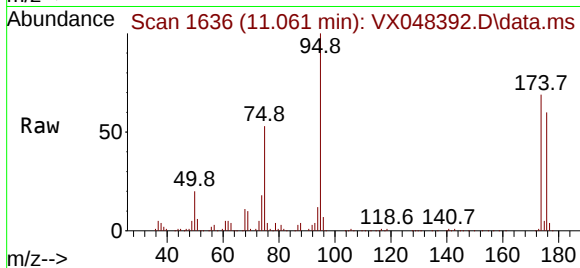
WC-5

Tgt Ion: 75 Resp: 61976

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.338 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048392.D

Acq: 28 Oct 2025 12:33

Tgt Ion: 75 Resp: 61976

Ion Ratio Lower Upper

75 100

53 0.1 79.5 119.3#

89 0.0 36.8 55.2#

