

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048852.D
 Acq On : 12 Dec 2025 14:15
 Operator : JC/MD
 Sample : Q3828-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-03-138-120925

Quant Time: Dec 12 22:13:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

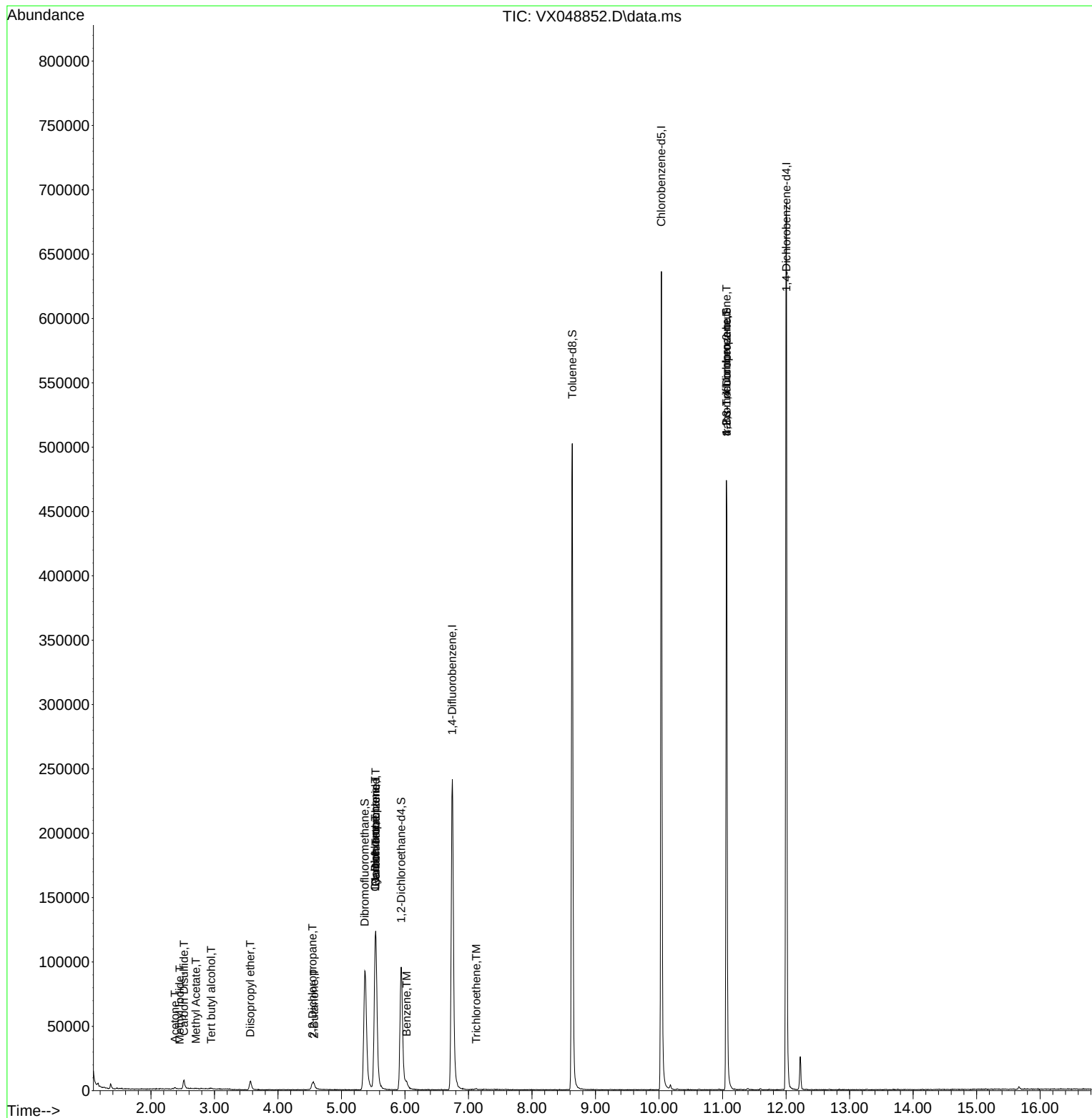
Internal Standards						
1) Pentafluorobenzene	5.538	168	127740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	268556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	295742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	104792	61.121	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.240%#			
35) Dibromofluoromethane	5.367	113	91905	49.702	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.400%			
50) Toluene-d8	8.635	98	312183	48.164	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.320%			
62) 4-Bromofluorobenzene	11.061	95	133658	59.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.600%			
Target Compounds						Qvalue
10) Methyl Iodide	2.453	142	466	0.225	ug/l #	80
11) Tert butyl alcohol	2.947	59	182	0.657	ug/l #	73
16) Acetone	2.380	43	1781	2.714	ug/l	98
17) Carbon Disulfide	2.520	76	934	0.217	ug/l	97
18) Methyl Acetate	2.709	43	812	0.440	ug/l #	57
22) Diisopropyl ether	3.562	45	3565	0.766	ug/l #	1
25) 2-Butanone	4.568	43	599	0.618	ug/l #	46
26) 2,2-Dichloropropane	4.544	77	552	0.240	ug/l #	52
31) Cyclohexane	5.531	56	2713	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	10219	4.035	ug/l #	40
38) Carbon Tetrachloride	5.538	117	13677	4.768	ug/l #	16
40) Benzene	6.025	78	5023	0.669	ug/l	91
44) Trichloroethene	7.123	130	437	0.223	ug/l	71
76) 1,2,3-Trichloropropane	11.061	75	67788	23.537	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	67788	55.909	ug/l #	3
95) Naphthalene	13.774	128	466	Below Cal	#	77

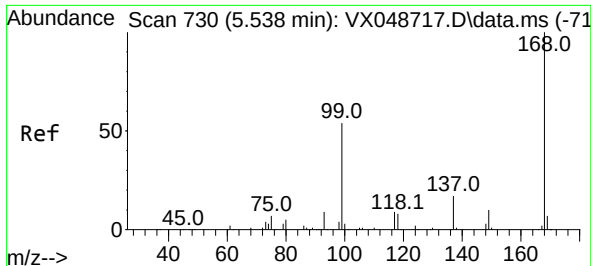
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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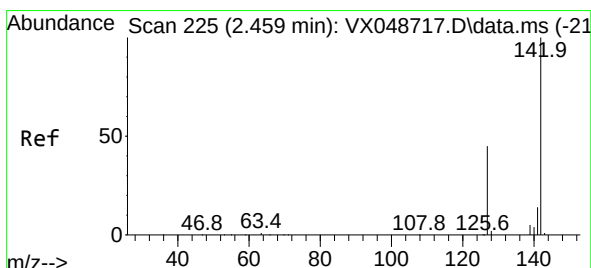
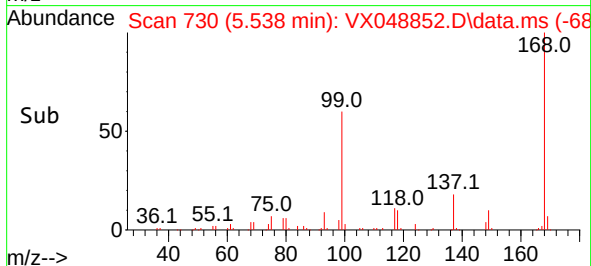
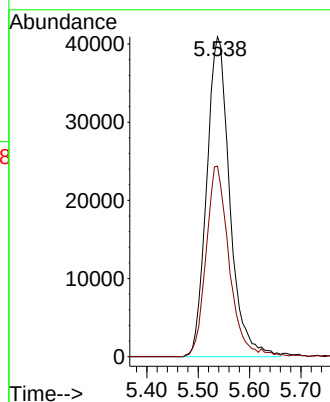
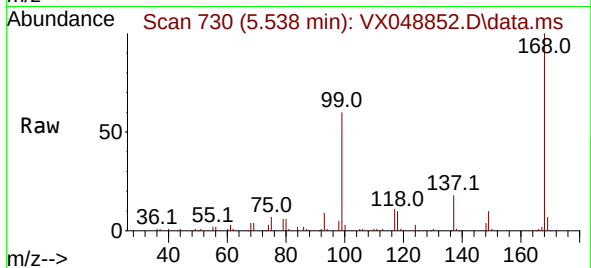




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

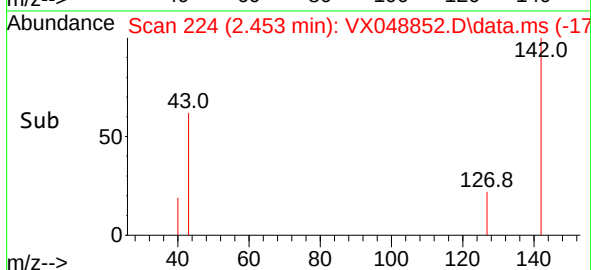
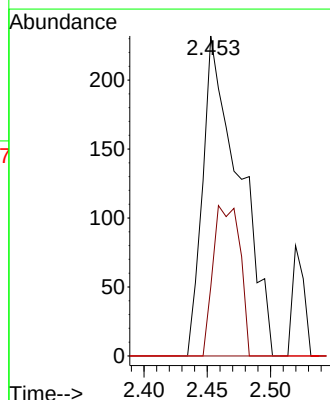
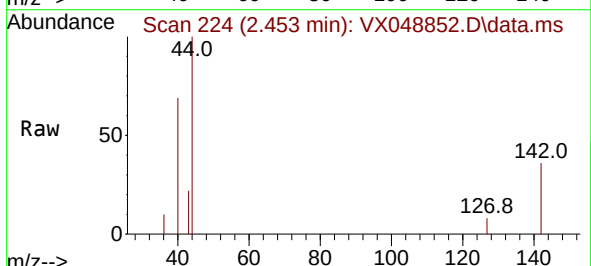
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

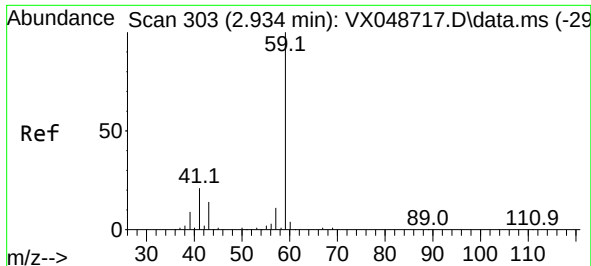
Tgt Ion:168 Resp: 127740
Ion Ratio Lower Upper
168 100
99 59.5 44.2 66.4



#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion:142 Resp: 466
Ion Ratio Lower Upper
142 100
127 34.5 35.8 53.6#
141 0.0 11.1 16.7#

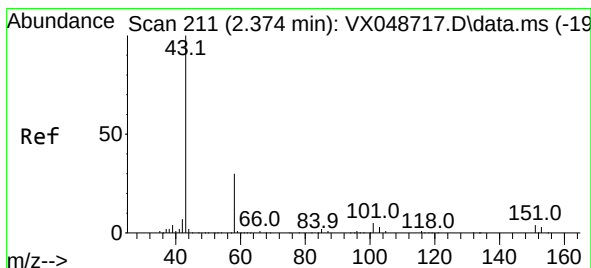
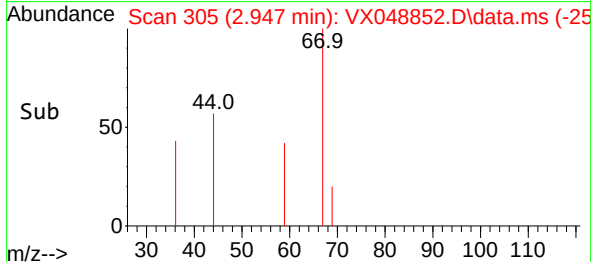
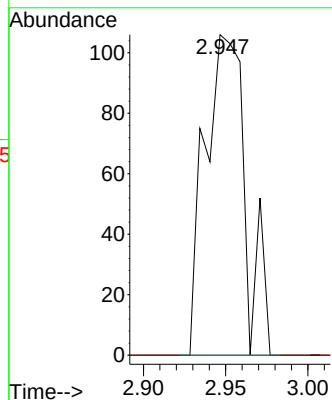
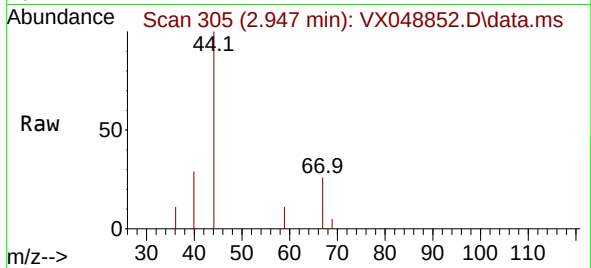




#11
Tert butyl alcohol
Concen: 0.657 ug/l
RT: 2.947 min Scan# 303
Delta R.T. 0.012 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

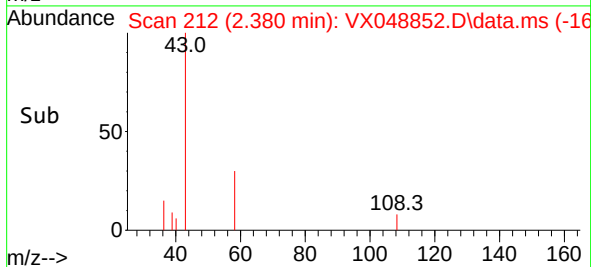
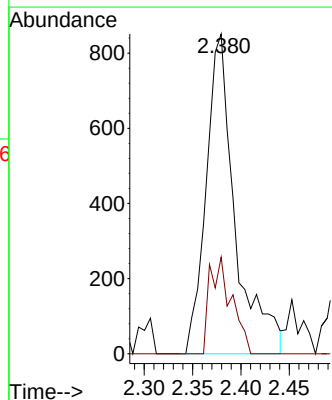
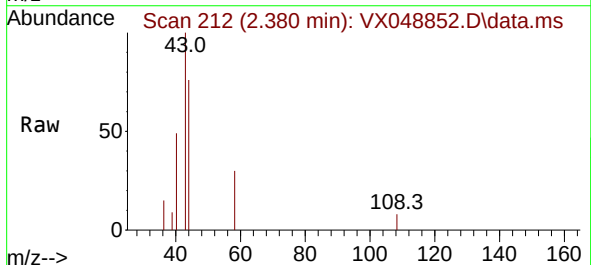
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

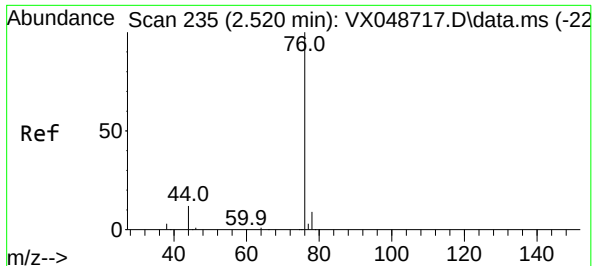
Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 2.714 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 30.2 25.0 37.4

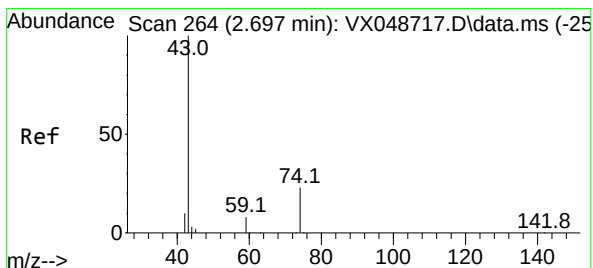
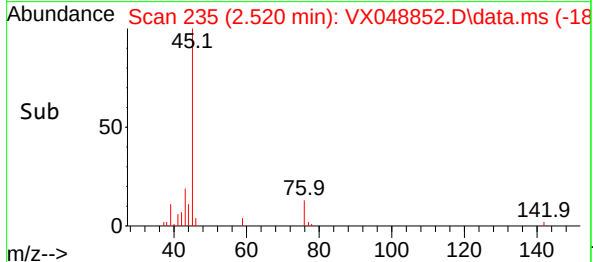
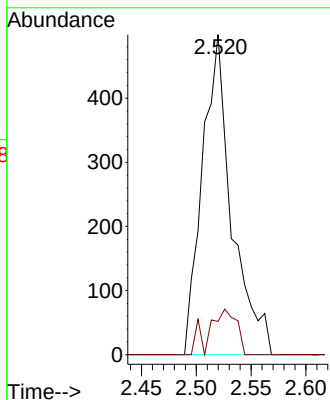
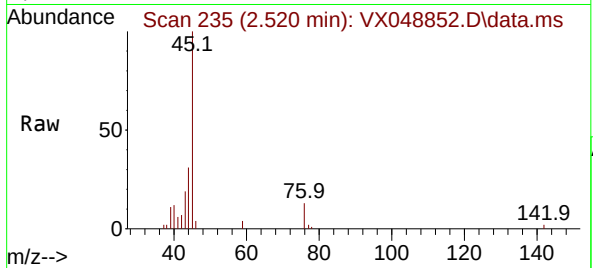




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

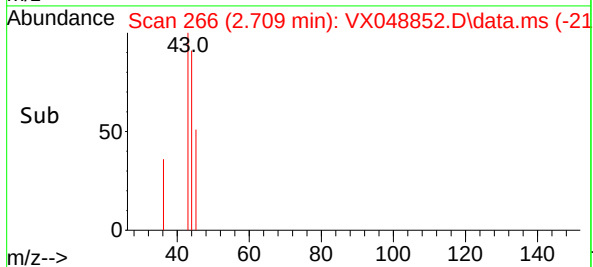
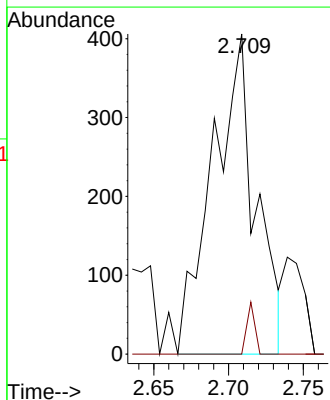
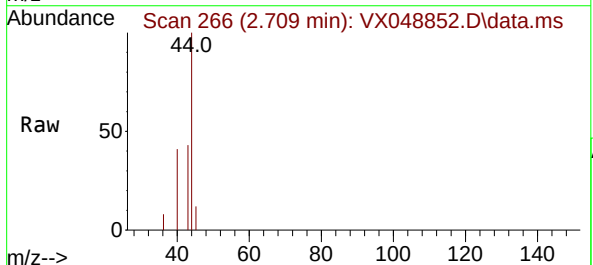
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

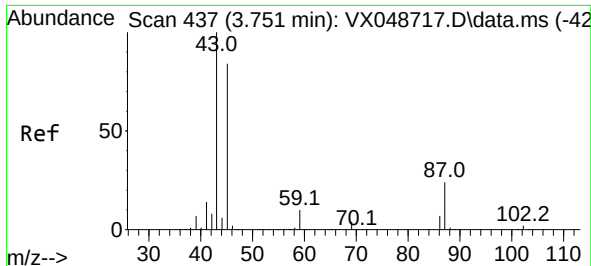
Tgt Ion: 76 Resp: 934
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2



#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
74 3.0 19.2 28.8#

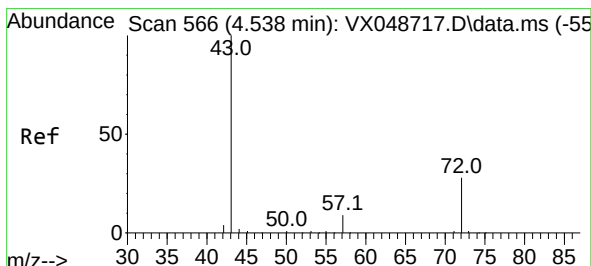
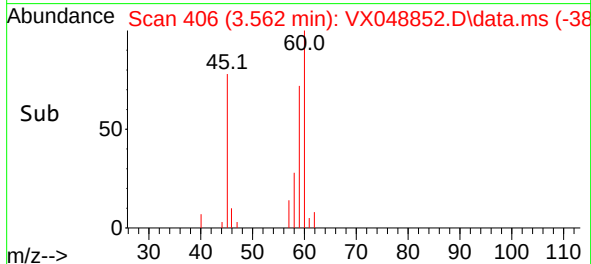
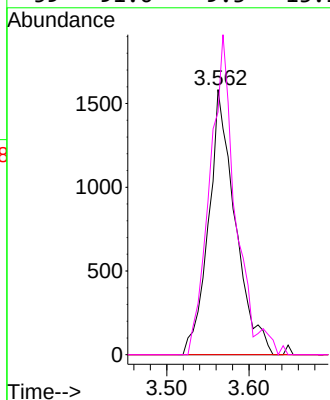
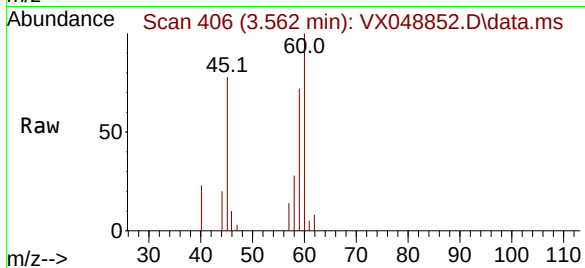




#22
Diisopropyl ether
Concen: 0.766 ug/l
RT: 3.562 min Scan# 406
Delta R.T. -0.189 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

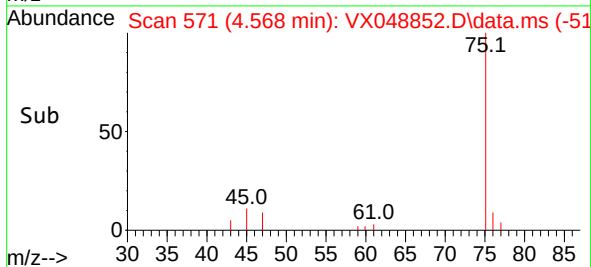
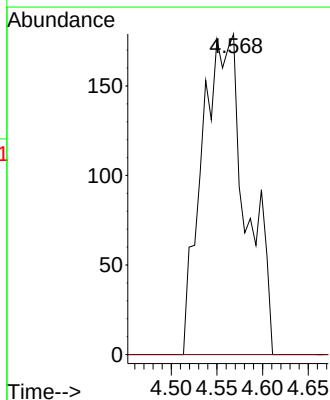
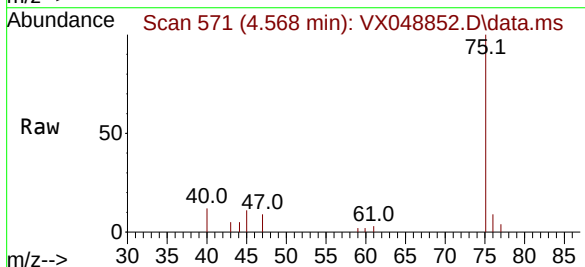
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

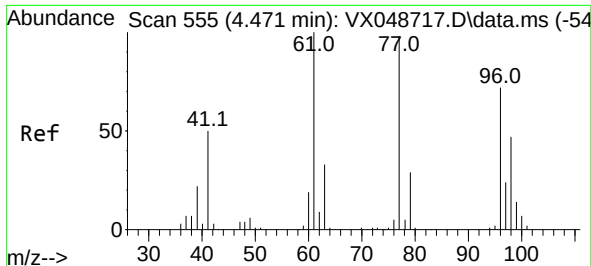
Tgt Ion:	45	Resp:	3565
Ion	Ratio	Lower	Upper
45	100		
43	0.0	94.9	142.3#
87	0.0	23.2	34.8#
59	91.6	9.3	13.9#



#25
2-Butanone
Concen: 0.618 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion:	43	Resp:	599
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#





#26

2,2-Dichloropropane

Concen: 0.240 ug/l

RT: 4.544 min Scan# 50

Delta R.T. 0.073 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

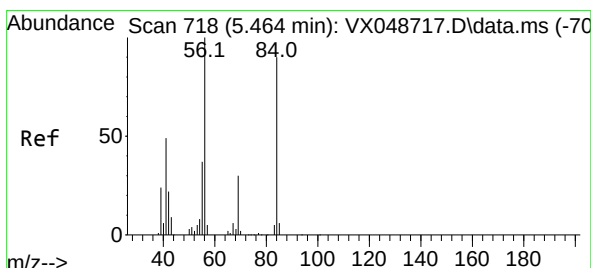
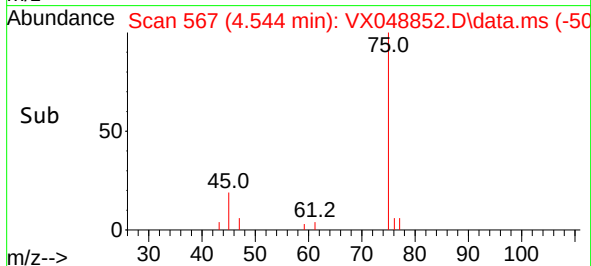
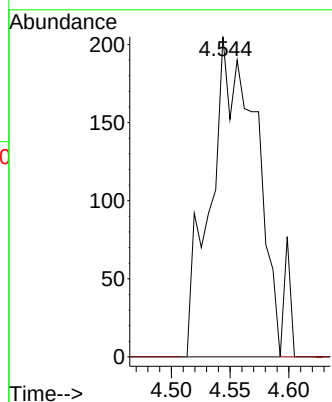
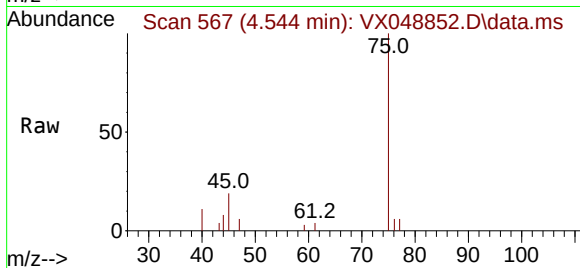
OWBR-03-138-120925

Tgt Ion: 77 Resp: 552

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.067 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

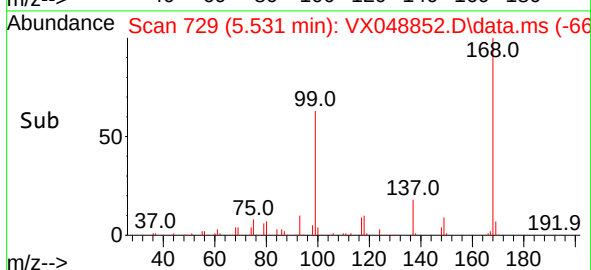
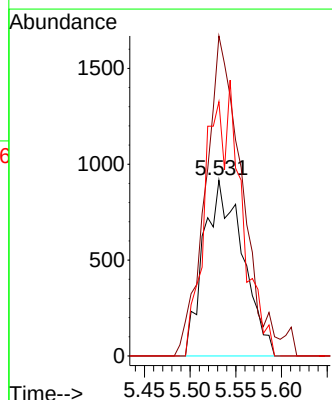
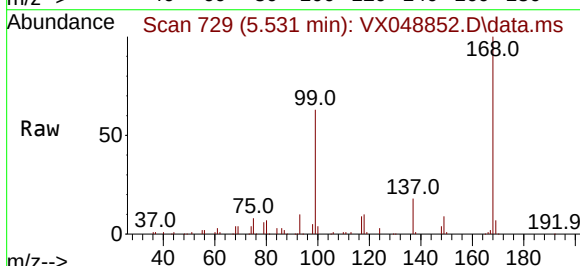
Tgt Ion: 56 Resp: 2713

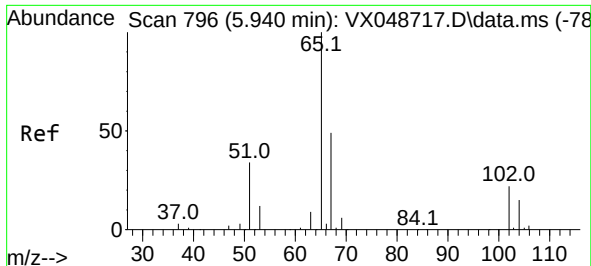
Ion Ratio Lower Upper

56 100

69 175.9 24.2 36.2#

84 144.8 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 61.121 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

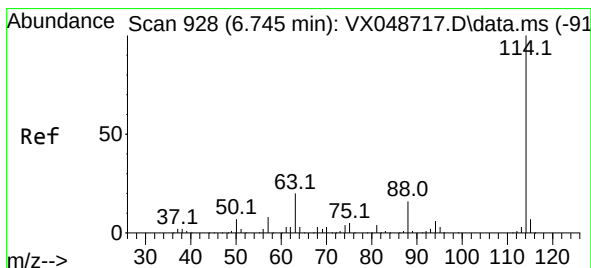
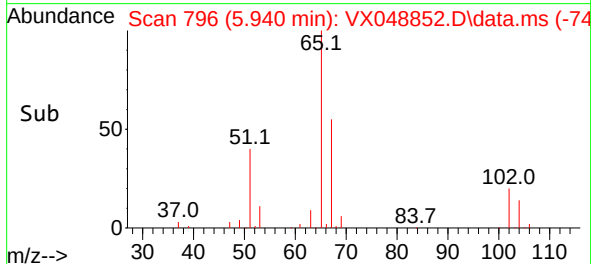
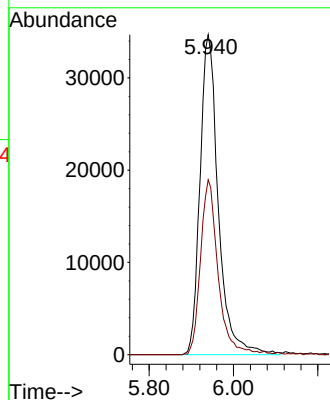
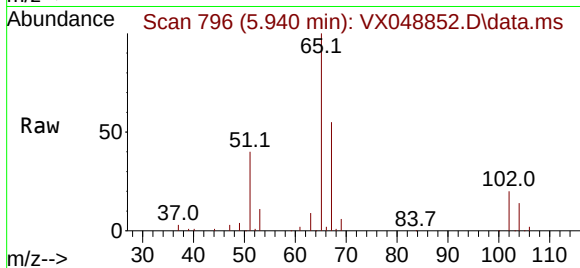
OWBR-03-138-120925

Tgt Ion: 65 Resp: 104792

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

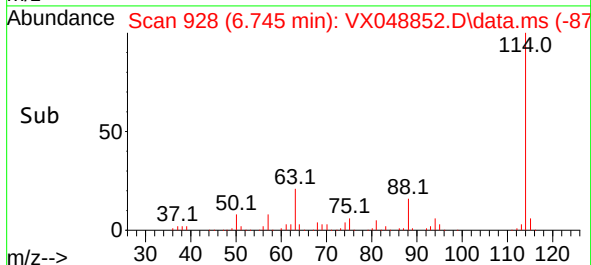
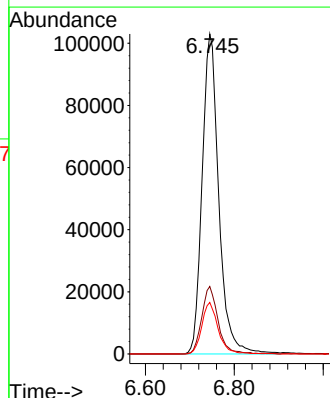
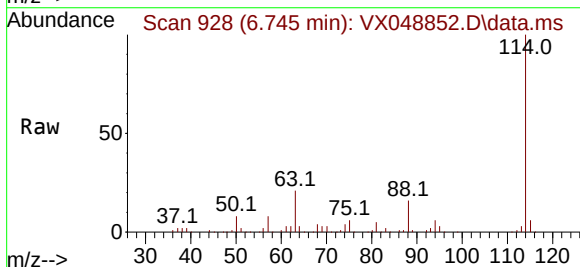
Tgt Ion: 114 Resp: 268556

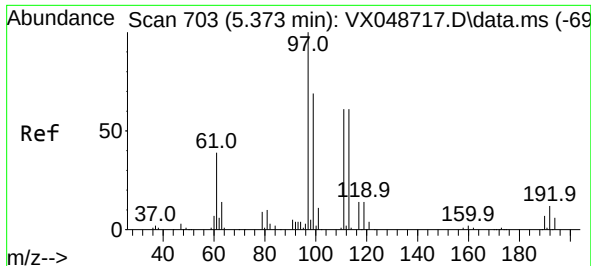
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 16.1 0.0 31.8

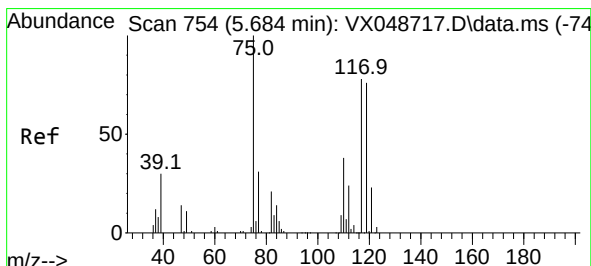
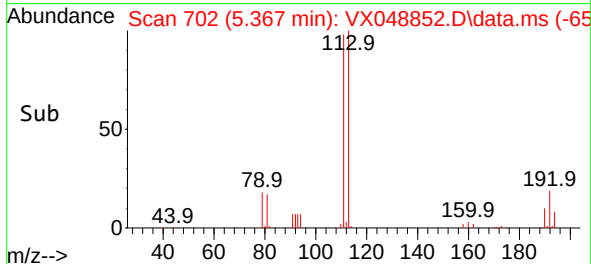
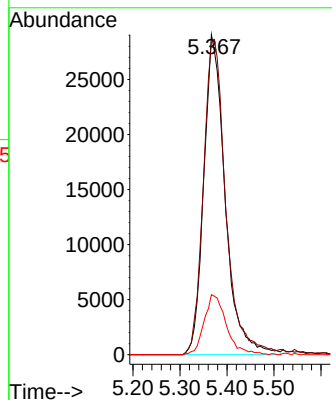
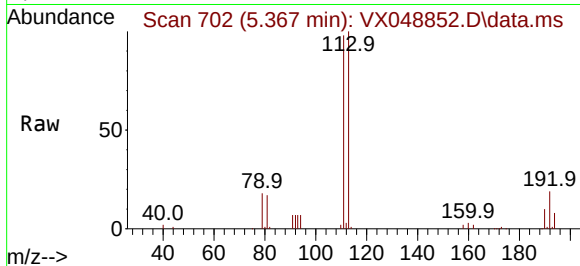




#35
Dibromofluoromethane
Concen: 49.702 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

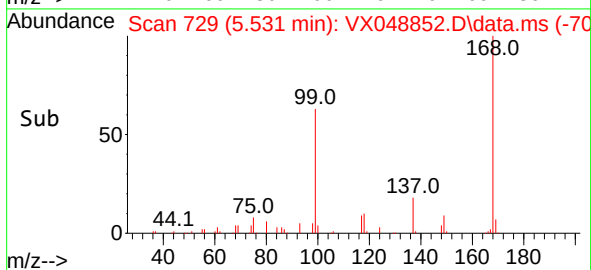
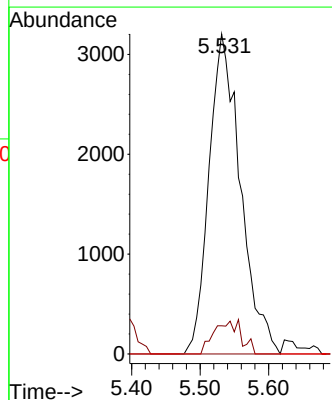
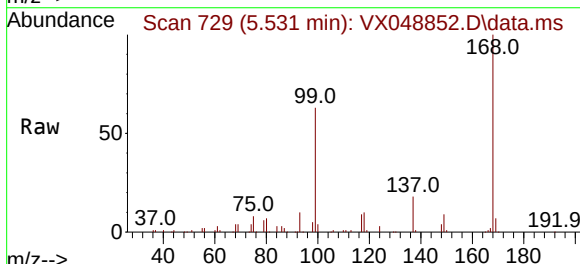
Instrument :
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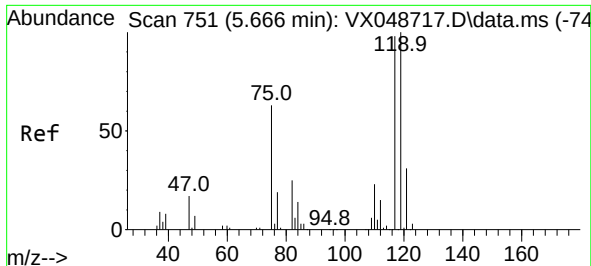
Tgt Ion:113 Resp: 91905
Ion Ratio Lower Upper
113 100
111 103.0 79.5 119.3
192 19.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.035 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

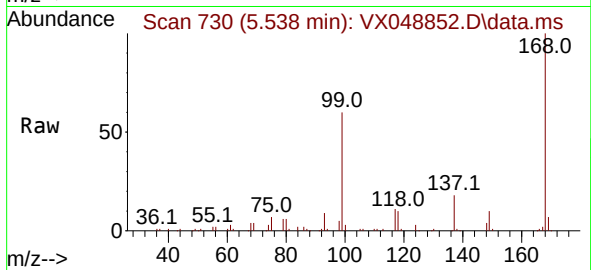
Tgt Ion: 75 Resp: 10219
Ion Ratio Lower Upper
75 100
110 0.0 18.6 55.8#
77 0.0 25.3 37.9#



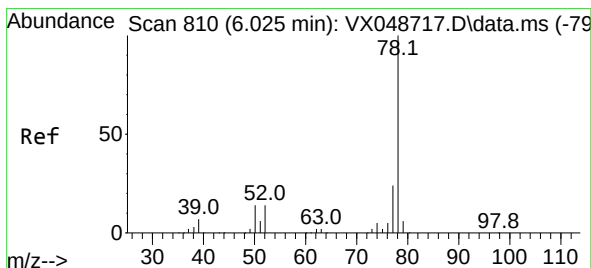
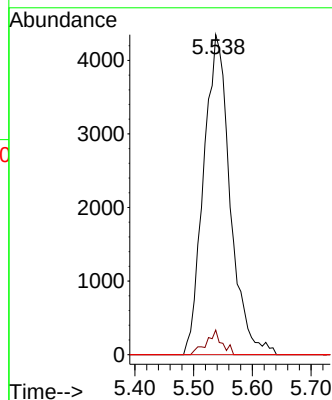
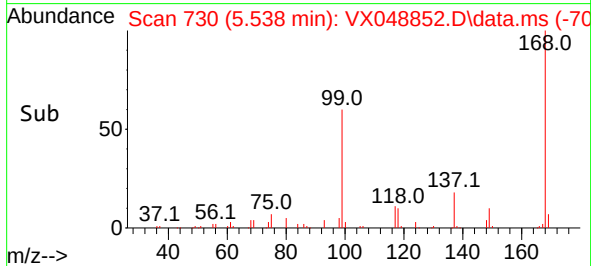


#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

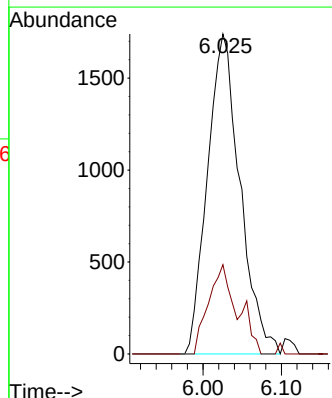
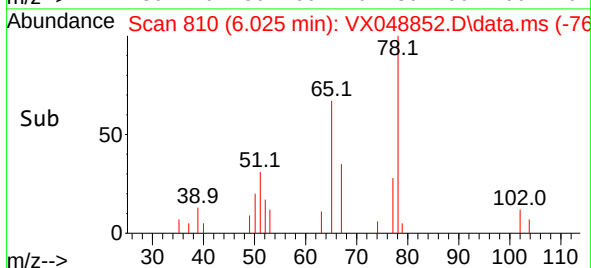
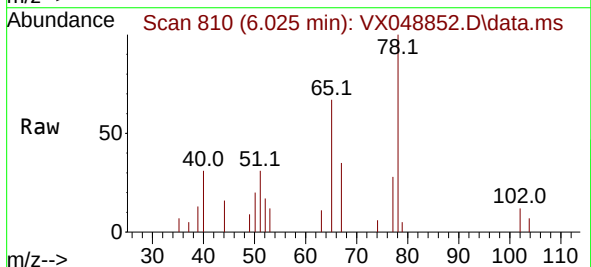


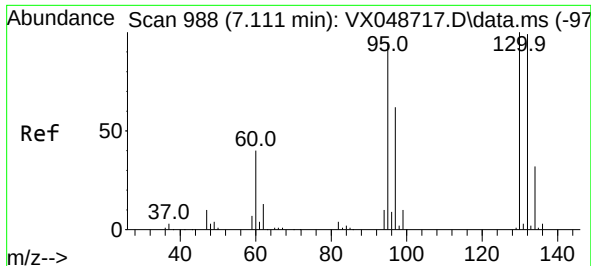
Tgt Ion:117 Resp: 13677
Ion Ratio Lower Upper
117 100
119 7.7 80.5 120.7#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 0.669 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 78 Resp: 5023
Ion Ratio Lower Upper
78 100
77 27.9 18.8 28.2

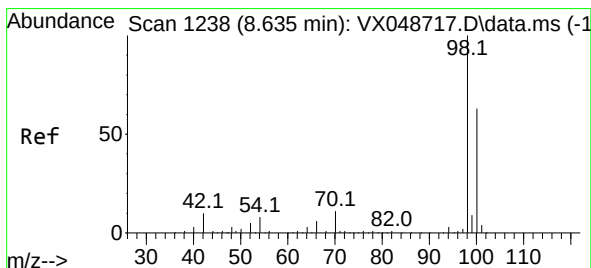
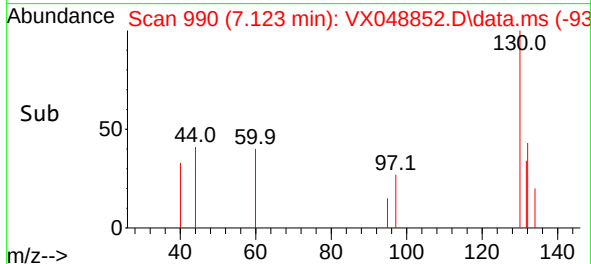
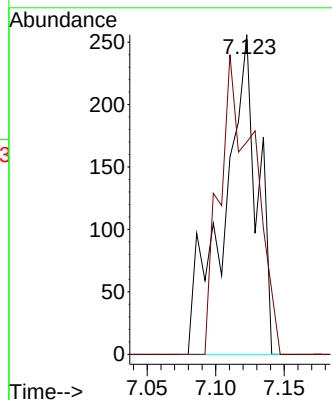
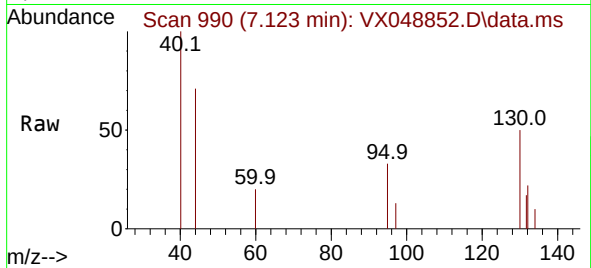




#44
Trichloroethene
Concen: 0.223 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

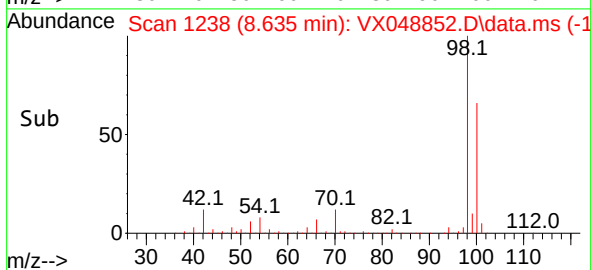
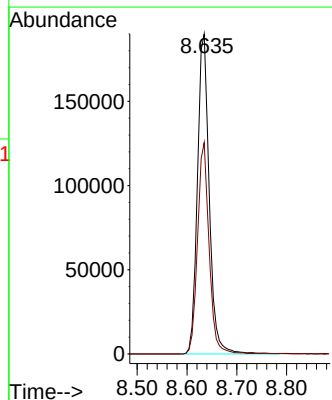
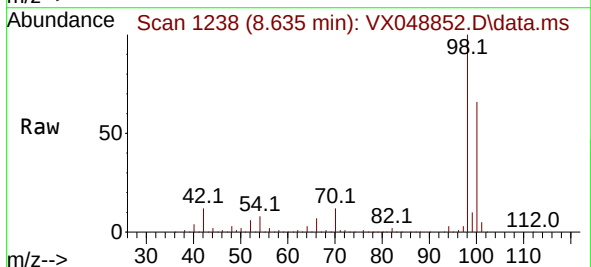
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

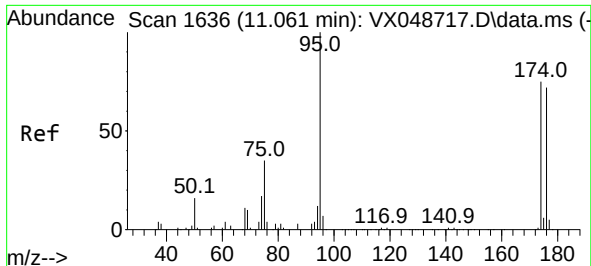
Tgt Ion:130 Resp: 437
Ion Ratio Lower Upper
130 100
95 66.4 0.0 189.6



#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 98 Resp: 312183
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0

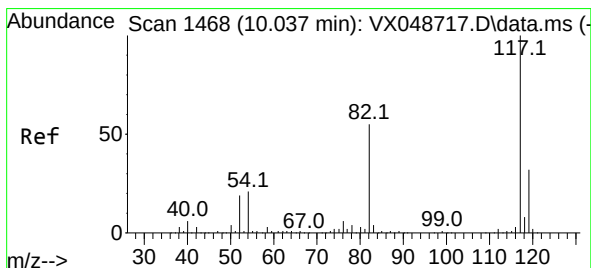
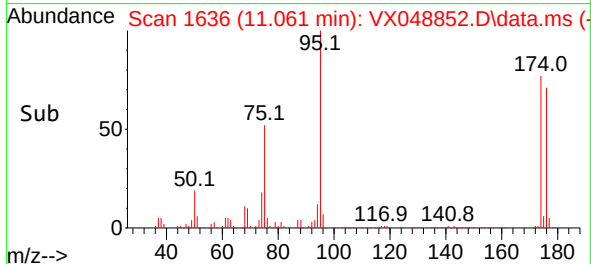
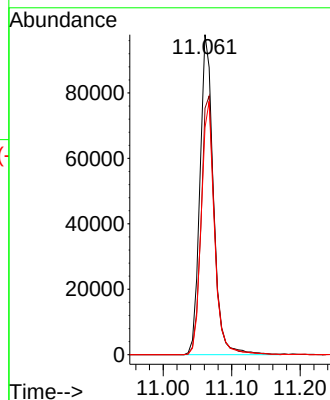
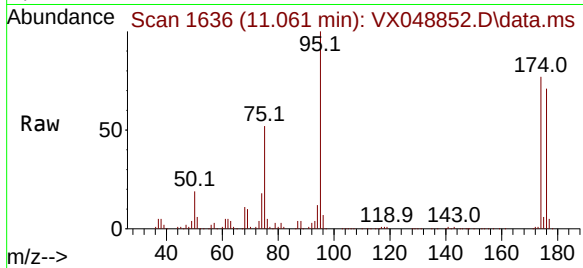




#62
4-Bromofluorobenzene
Concen: 59.800 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

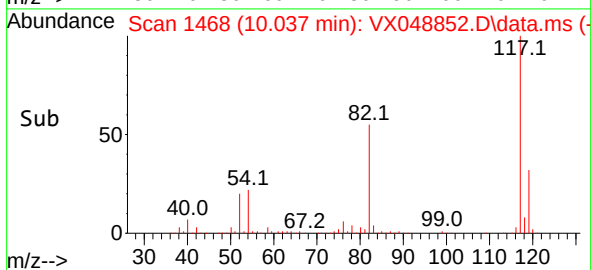
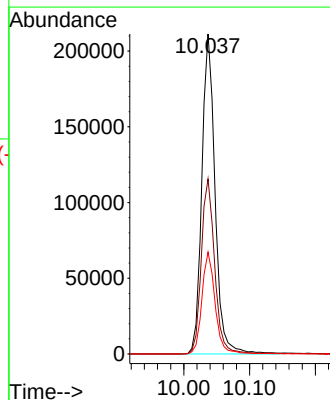
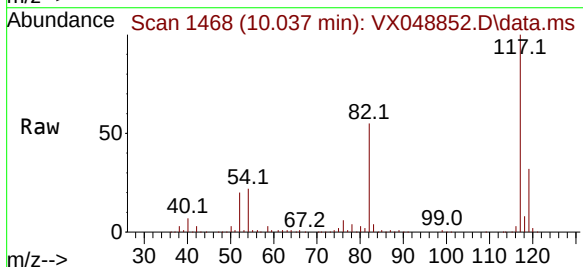
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

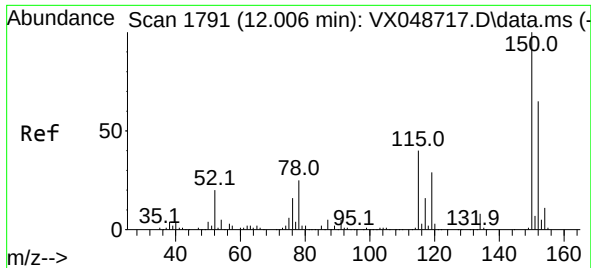
Tgt Ion: 95 Resp: 133658
Ion Ratio Lower Upper
95 100
174 82.1 0.0 157.8
176 78.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 117 Resp: 295742
Ion Ratio Lower Upper
117 100
82 54.7 44.1 66.1
119 31.9 25.2 37.8

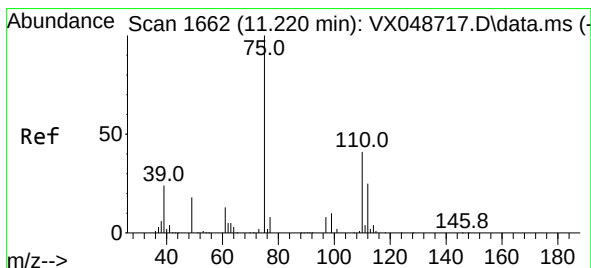
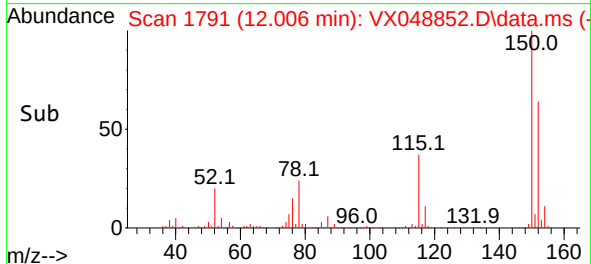
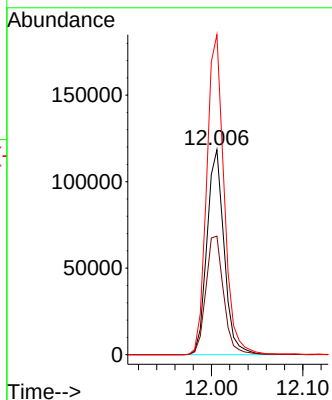
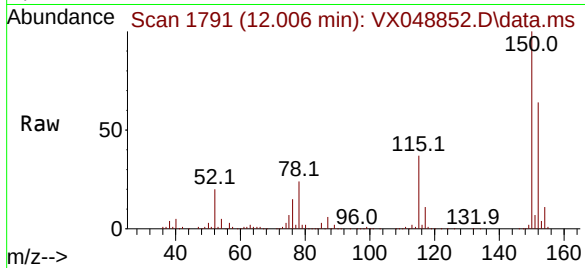




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048852.D
 Acq: 12 Dec 2025 14:15

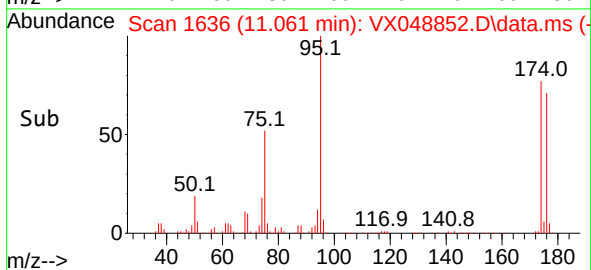
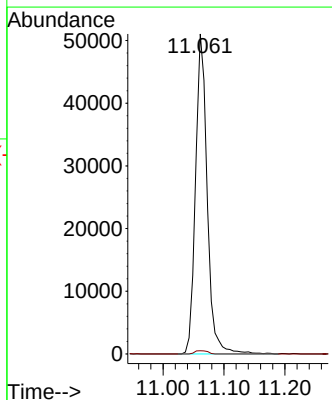
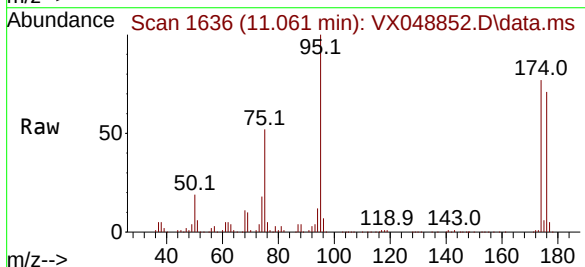
Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-03-138-120925

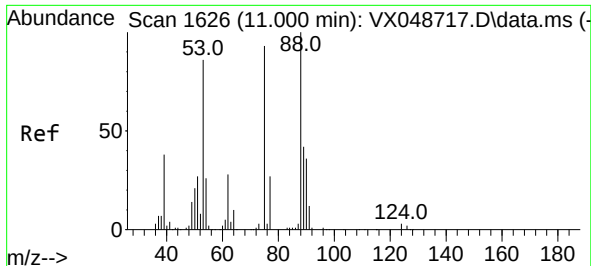
Tgt Ion:152 Resp: 154634
 Ion Ratio Lower Upper
 152 100
 115 60.1 42.1 126.4
 150 157.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.537 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048852.D
 Acq: 12 Dec 2025 14:15

Tgt Ion: 75 Resp: 67788
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 73.0#

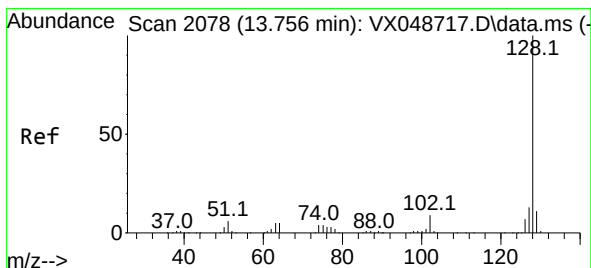
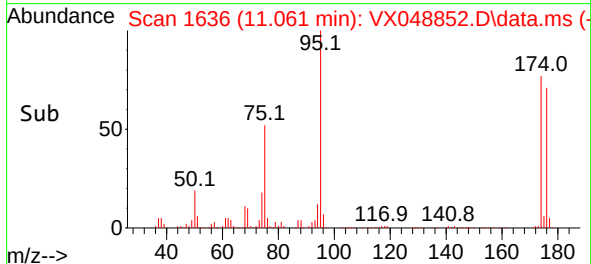
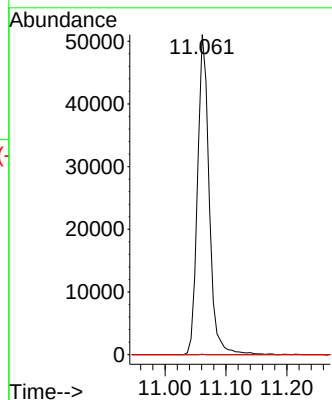
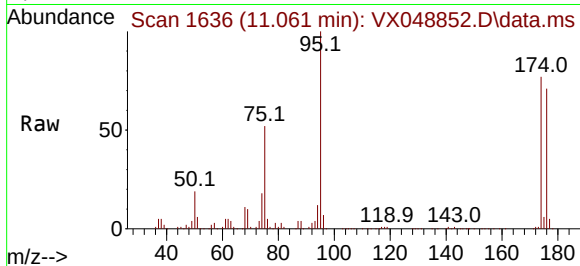




#81
trans-1,4-Dichloro-2-butene
Concen: 55.909 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

Tgt Ion: 75 Resp: 67788
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.774 min Scan# 2081
Delta R.T. 0.018 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion:128 Resp: 466
Ion Ratio Lower Upper
128 100
127 5.2 10.2 15.2#
129 0.0 8.6 13.0#

