

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048816.D
 Acq On : 10 Dec 2025 16:54
 Operator : JC/MD
 Sample : Q3788-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B-87.5-120525RE

Quant Time: Dec 11 00:26:40 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

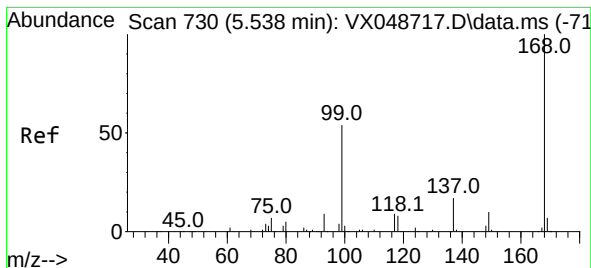
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	145186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297607	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	320506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	183436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109578	56.232	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.460%			
35) Dibromofluoromethane	5.373	113	97169	47.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.840%			
50) Toluene-d8	8.634	98	341748	47.578	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	11.061	95	151134	61.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.040%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	640	0.343	ug/l	92
11) Tert butyl alcohol	2.953	59	830	2.638	ug/l #	73
16) Acetone	2.373	43	14606	19.579	ug/l	95
17) Carbon Disulfide	2.514	76	1735	0.354	ug/l #	89
18) Methyl Acetate	2.697	43	994	0.474	ug/l #	78
20) Methylene Chloride	2.794	84	499	0.268	ug/l #	85
22) Diisopropyl ether	3.568	45	4167	0.788	ug/l #	1
31) Cyclohexane	5.537	56	2847	1.081	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	11153	3.974	ug/l #	48
38) Carbon Tetrachloride	5.537	117	15130	4.759	ug/l #	13
76) 1,2,3-Trichloropropane	11.061	75	75360	22.057	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	75360	52.395	ug/l #	3
83) tert-Butylbenzene	11.957	119	6256	0.593	ug/l #	1
85) sec-Butylbenzene	11.957	105	9531	0.745	ug/l	94
86) p-Isopropyltoluene	11.988	119	19589	1.791	ug/l	99
89) n-Butylbenzene	12.219	91	17645	1.723	ug/l #	75
90) Hexachloroethane	12.512	117	589	0.264	ug/l #	13
95) Naphthalene	13.762	128	570	Below Cal	#	1

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

Quant Time: Dec 11 00:26:40 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

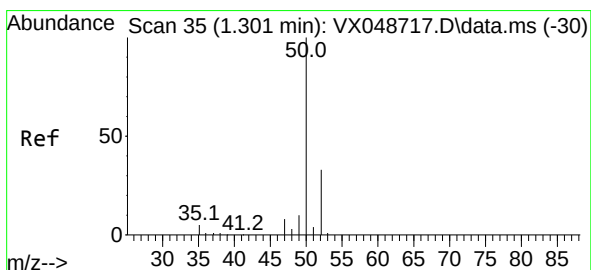
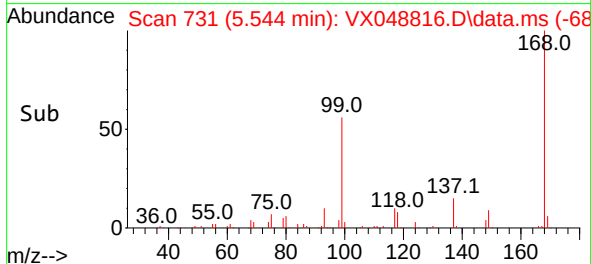
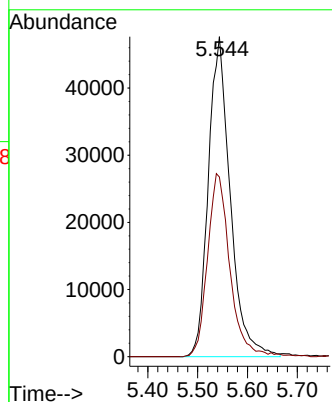
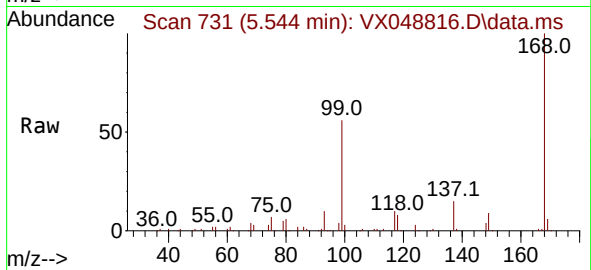
MW-16B-87.5-120525RE

Tgt Ion:168 Resp: 145186

Ion Ratio Lower Upper

168 100

99 56.2 44.2 66.4



#3

Chloromethane

Concen: 0.343 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX048816.D

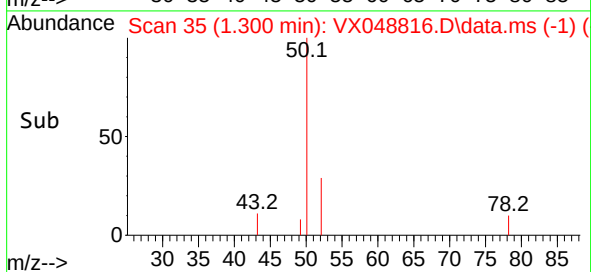
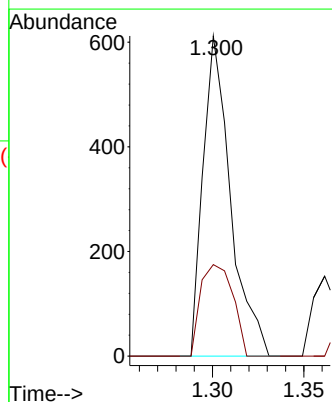
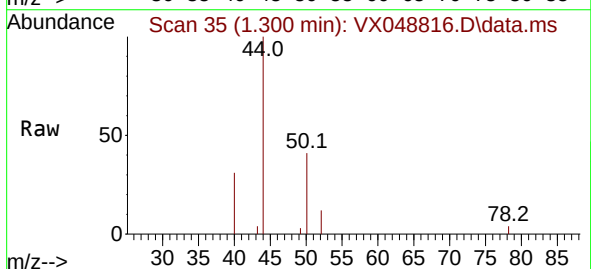
Acq: 10 Dec 2025 16:54

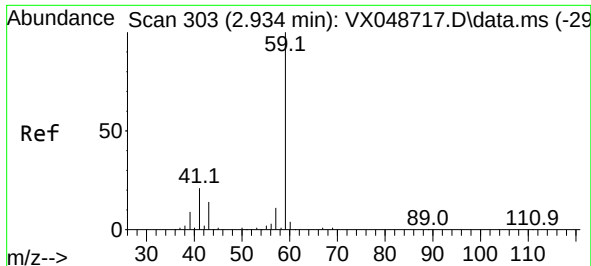
Tgt Ion: 50 Resp: 640

Ion Ratio Lower Upper

50 100

52 28.6 26.4 39.6

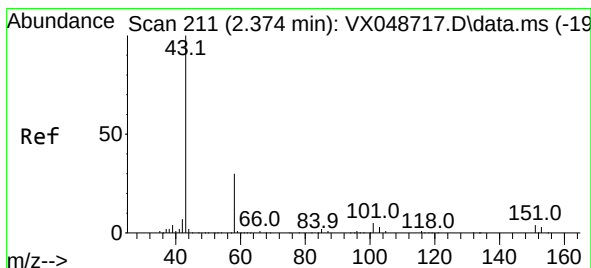
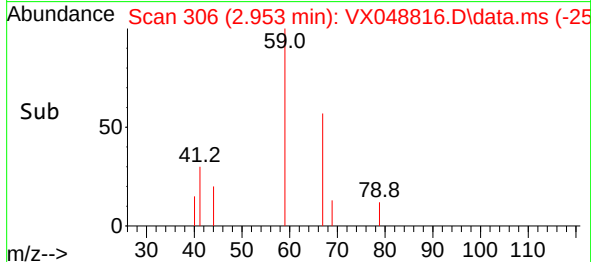
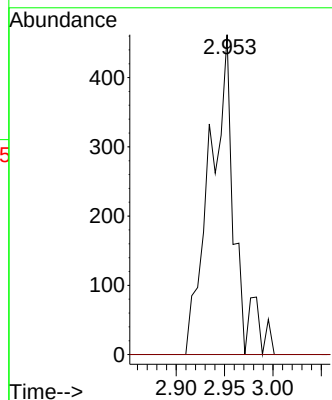
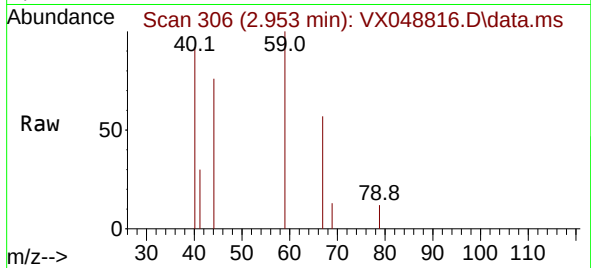




#11
Tert butyl alcohol
Concen: 2.638 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.018 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

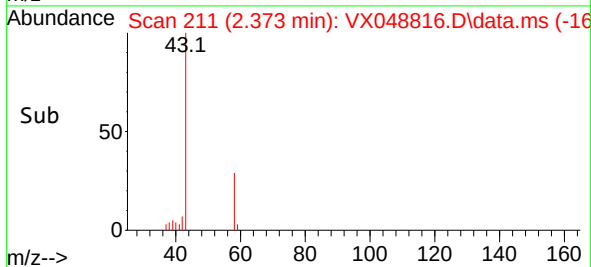
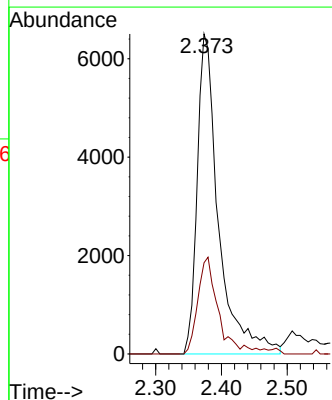
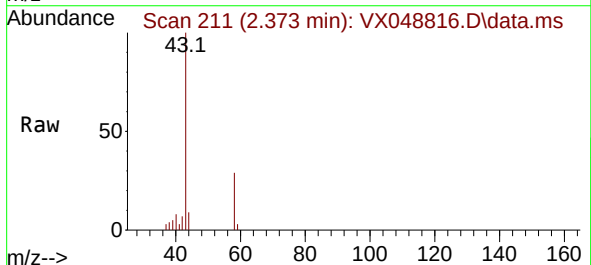
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

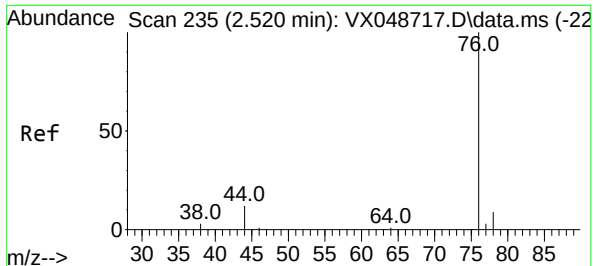
Tgt Ion: 59 Resp: 830
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 19.579 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 43 Resp: 14606
Ion Ratio Lower Upper
43 100
58 28.5 25.0 37.4

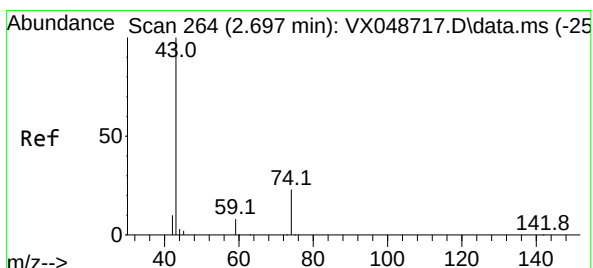
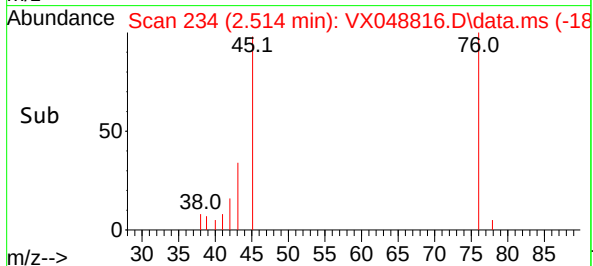
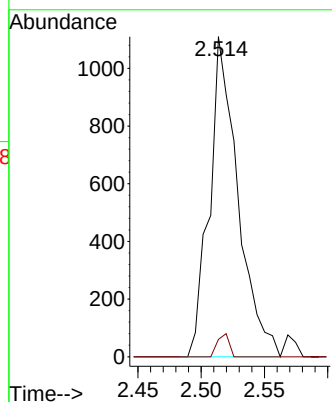
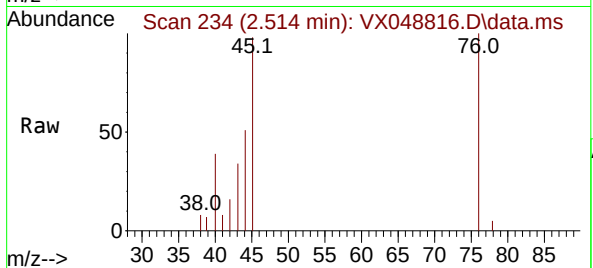




#17
Carbon Disulfide
Concen: 0.354 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

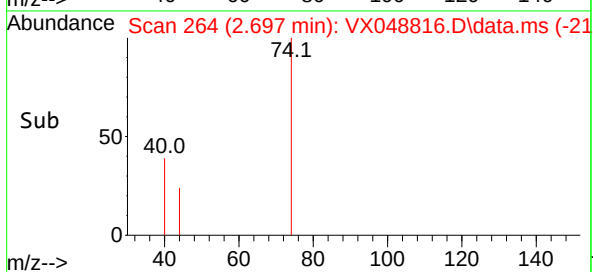
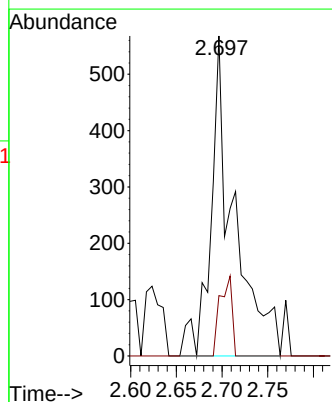
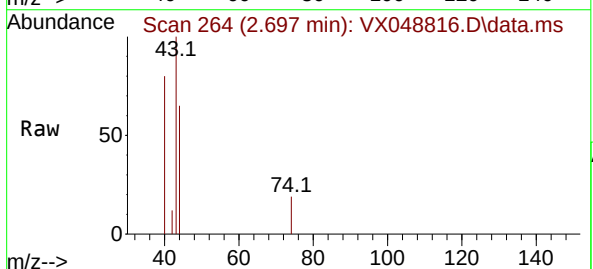
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

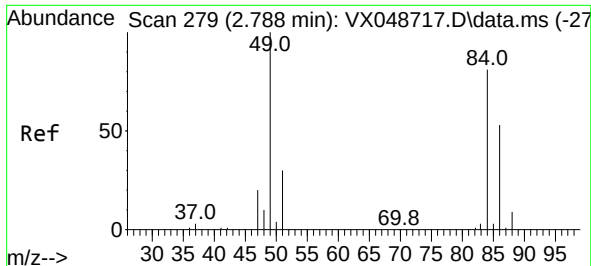
Tgt Ion: 76 Resp: 1735
Ion Ratio Lower Upper
76 100
78 5.4 7.4 11.2#



#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
74 13.1 19.2 28.8#

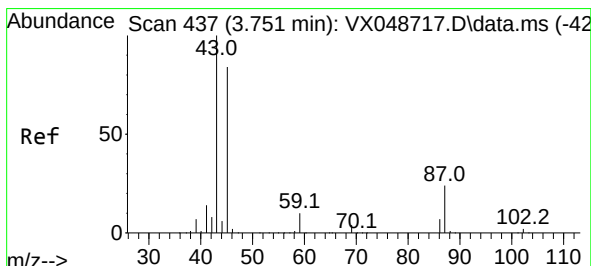
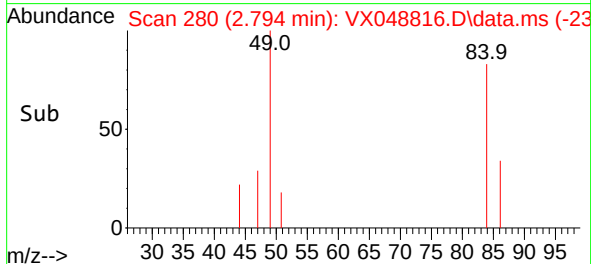
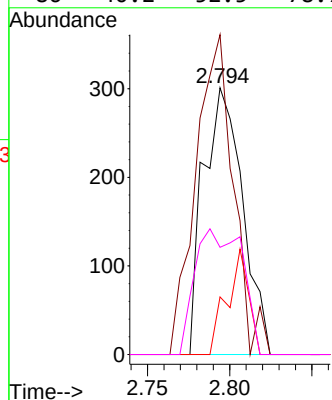
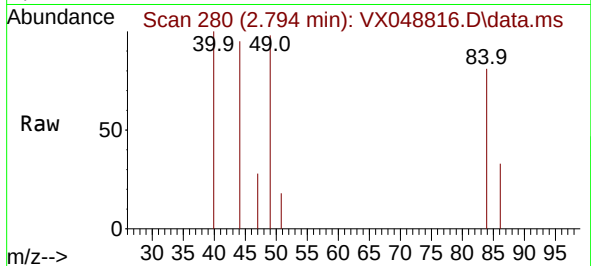




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

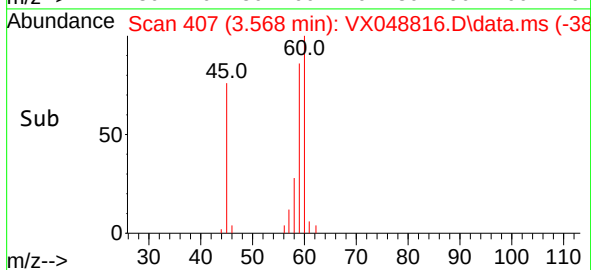
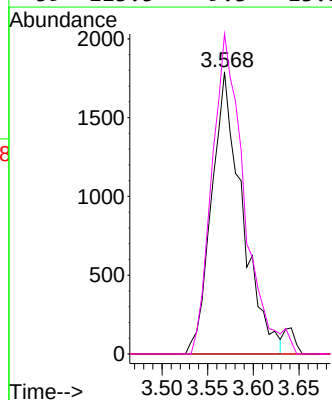
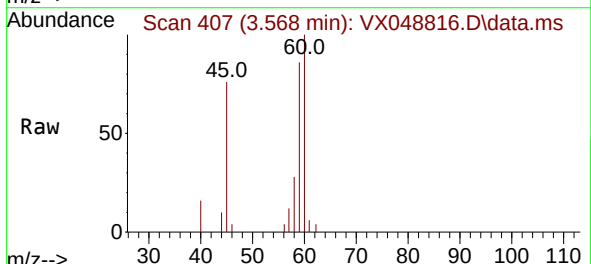
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

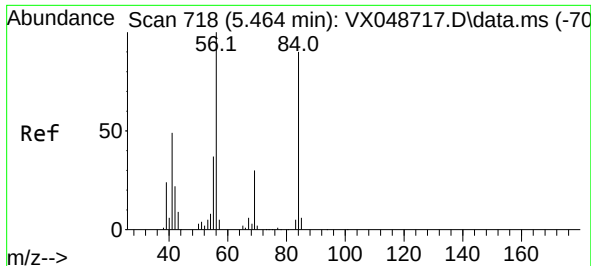
Tgt Ion:	84	Resp:	499
Ion	Ratio	Lower	Upper
84	100		
49	119.9	98.7	148.1
51	21.6	29.4	44.2#
86	40.2	52.5	78.7#



#22
Diisopropyl ether
Concen: 0.788 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.183 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

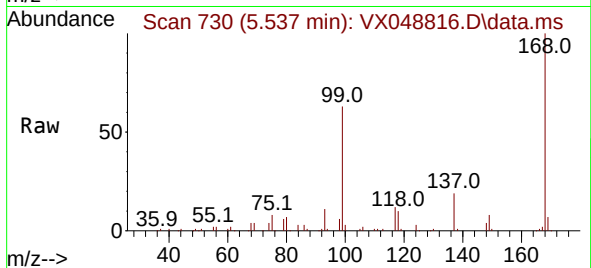
Tgt Ion:	45	Resp:	4167
Ion	Ratio	Lower	Upper
45	100		
43	0.0	94.9	142.3#
87	0.0	23.2	34.8#
59	113.5	9.3	13.9#



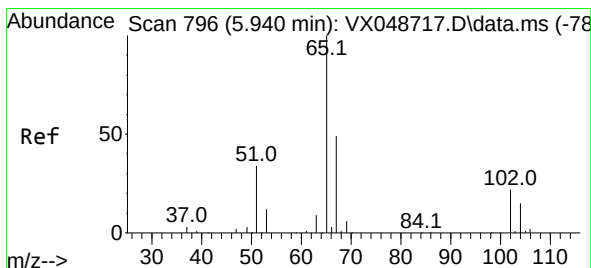
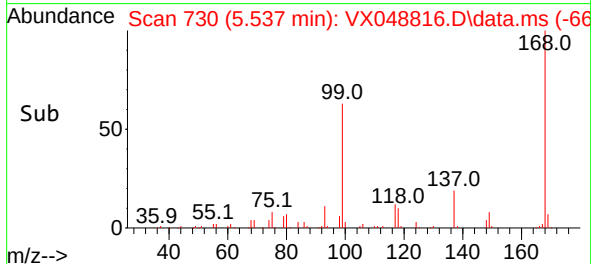
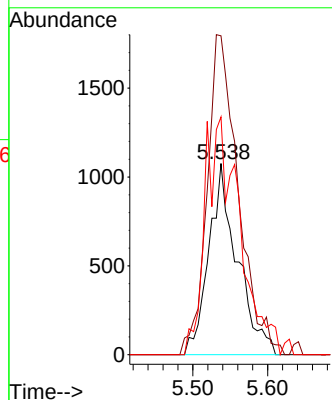


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

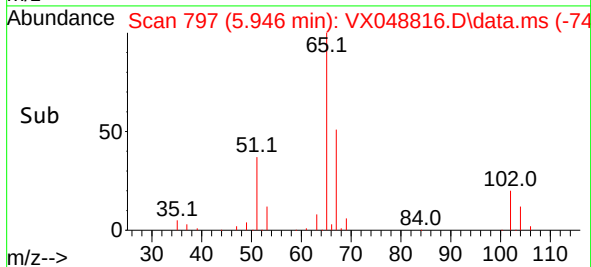
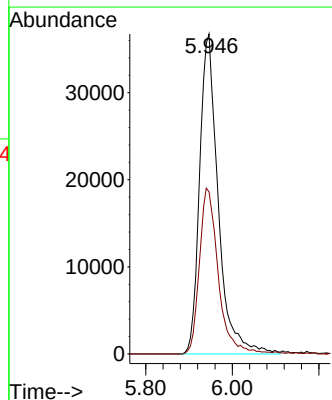
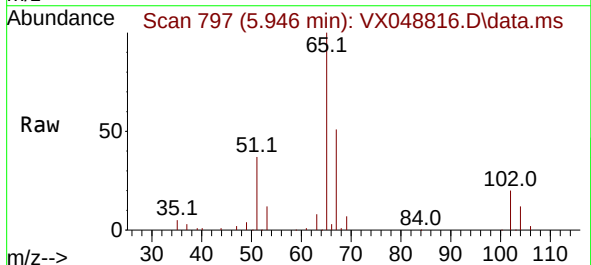


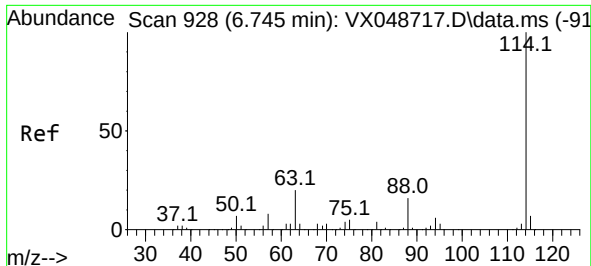
Tgt Ion: 56 Resp: 2847
Ion Ratio Lower Upper
56 100
69 166.8 24.2 36.2#
84 124.3 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 56.232 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 65 Resp: 109578
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

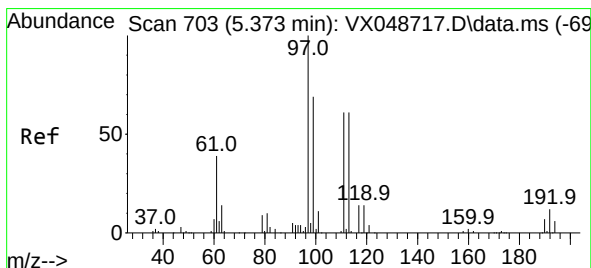
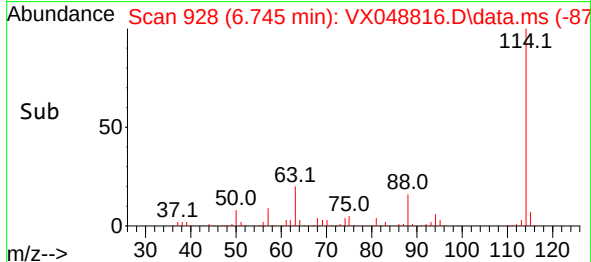
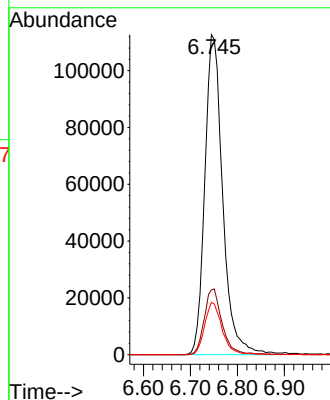
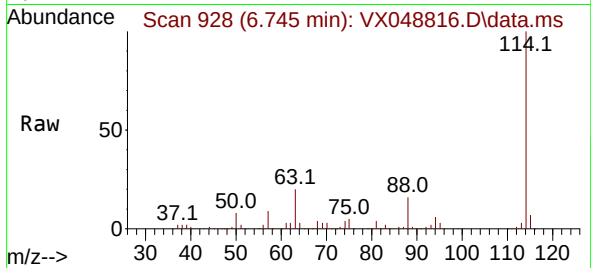




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

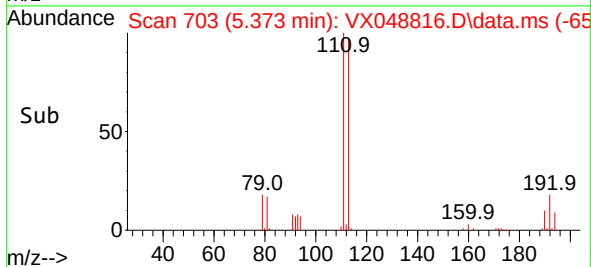
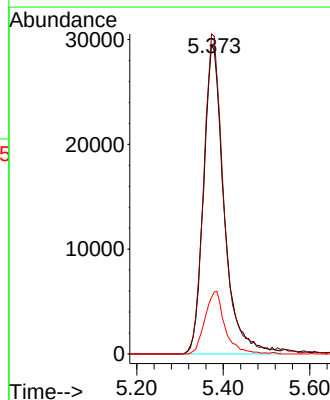
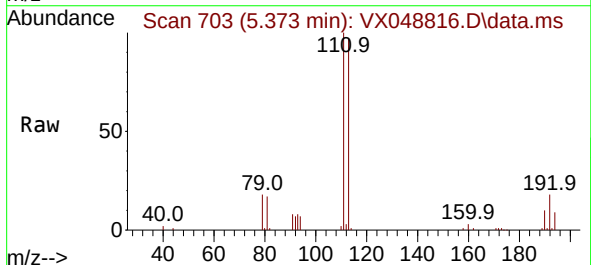
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

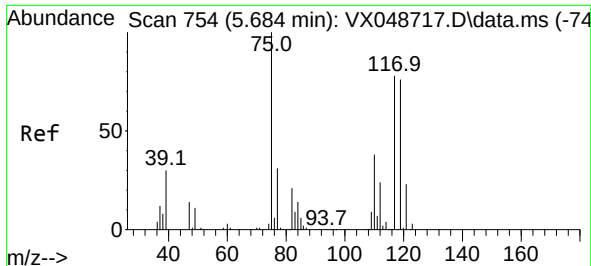
Tgt Ion:114 Resp: 297607
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.0
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.419 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion:113 Resp: 97169
Ion Ratio Lower Upper
113 100
111 101.5 79.5 119.3
192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 3.974 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525RE

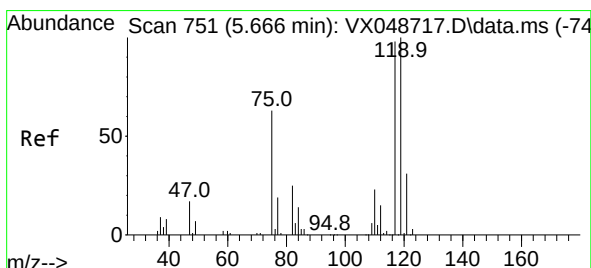
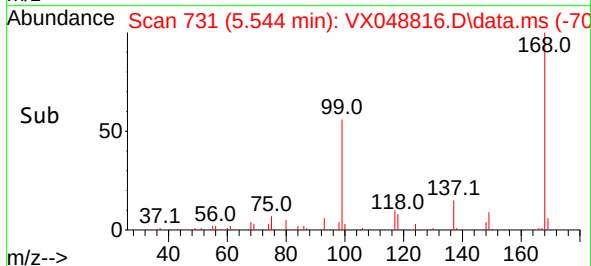
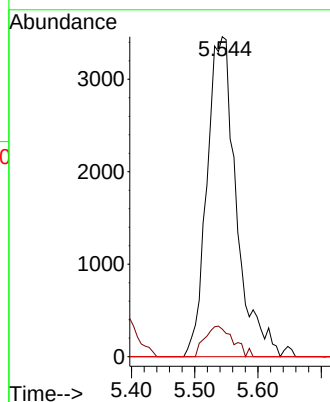
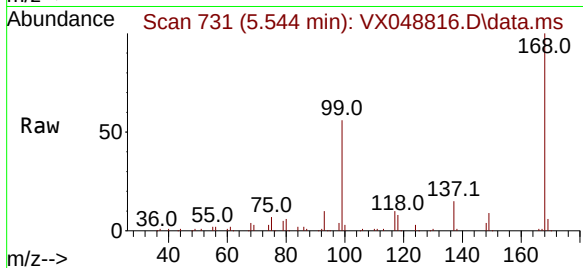
Tgt Ion: 75 Resp: 11153

Ion Ratio Lower Upper

75 100

110 9.1 18.6 55.8#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.759 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

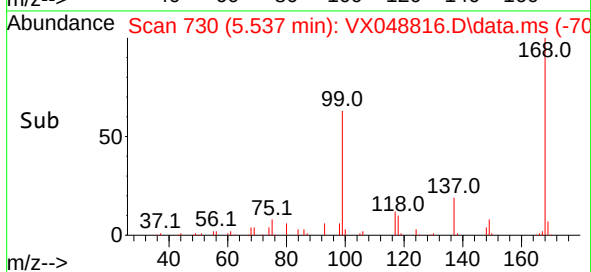
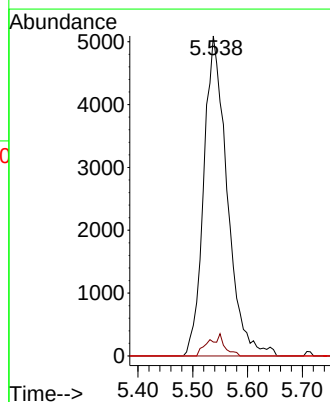
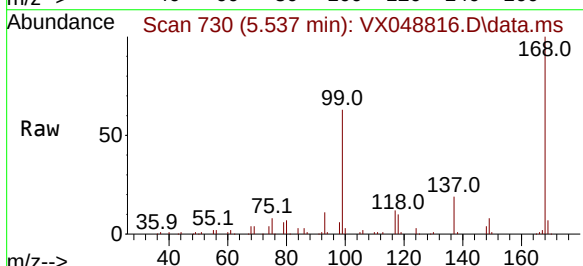
Tgt Ion: 117 Resp: 15130

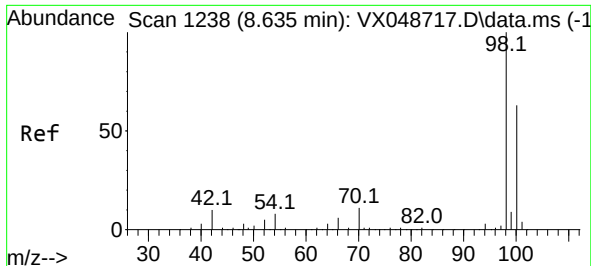
Ion Ratio Lower Upper

117 100

119 4.3 80.5 120.7#

121 0.0 25.4 38.0#

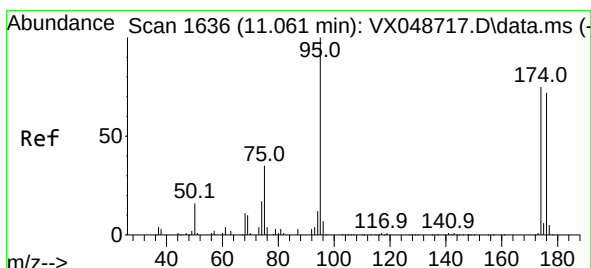
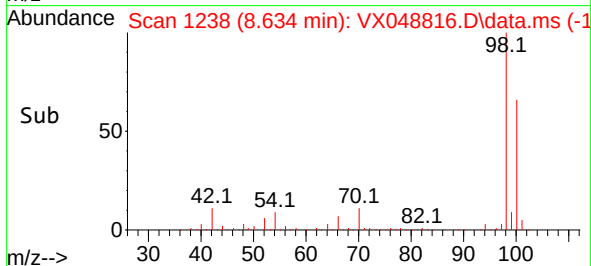
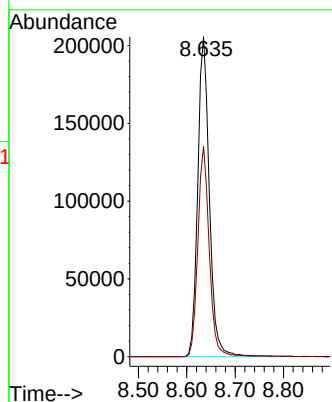
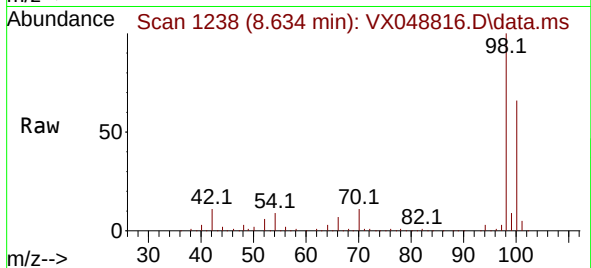




#50
Toluene-d8
Concen: 47.578 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

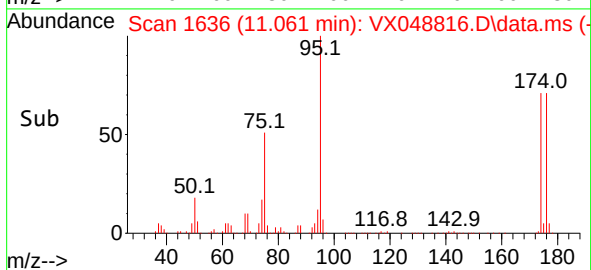
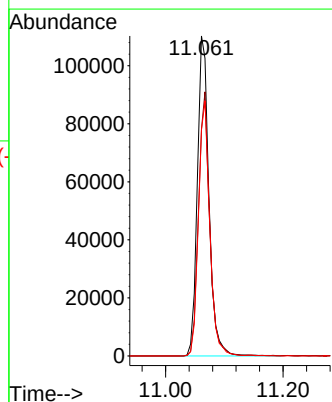
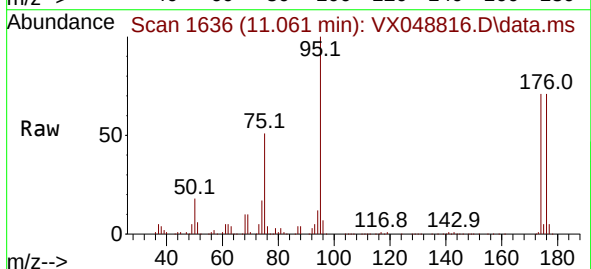
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

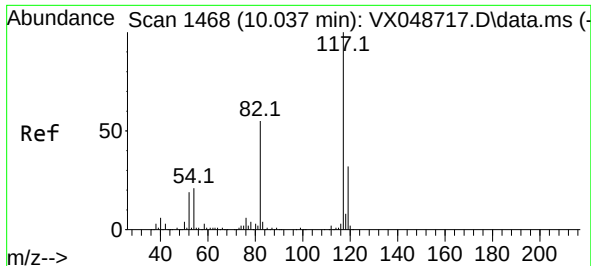
Tgt Ion: 98 Resp: 341748
Ion Ratio Lower Upper
98 100
100 64.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 61.018 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 95 Resp: 151134
Ion Ratio Lower Upper
95 100
174 79.5 0.0 157.8
176 77.9 0.0 154.0

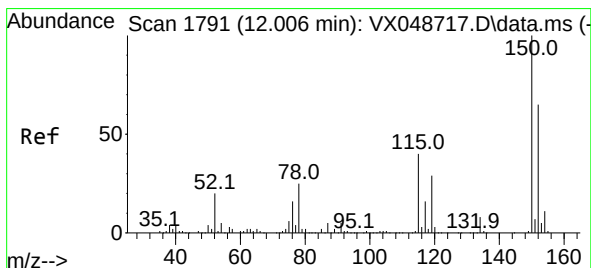
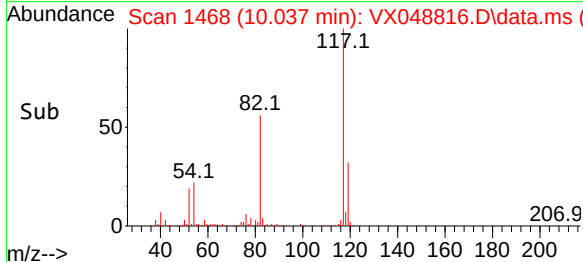
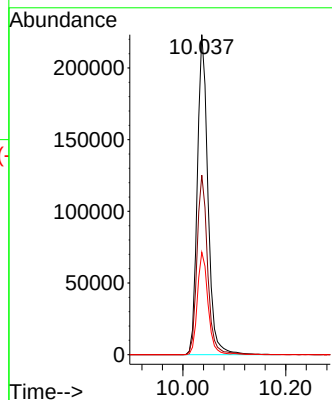
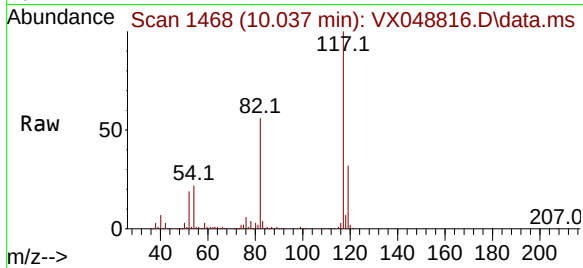




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

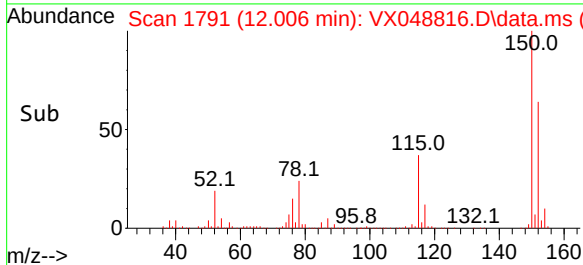
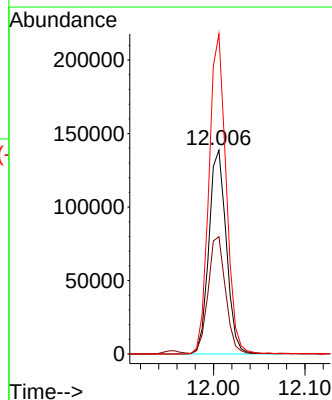
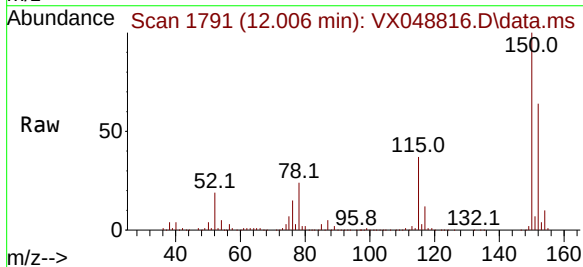
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

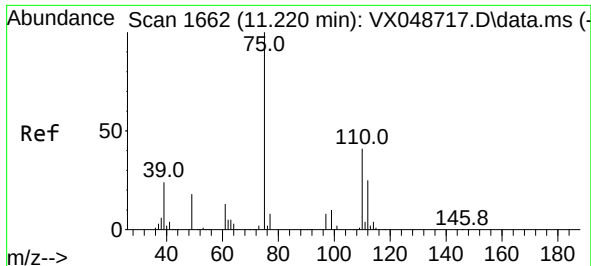
Tgt Ion:117 Resp: 320506
Ion Ratio Lower Upper
117 100
82 56.1 44.1 66.1
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion:152 Resp: 183436
Ion Ratio Lower Upper
152 100
115 57.7 42.1 126.4
150 154.6 0.0 347.8

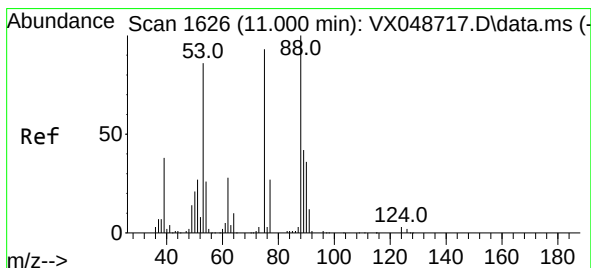
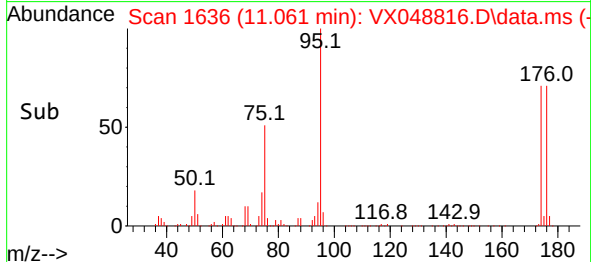
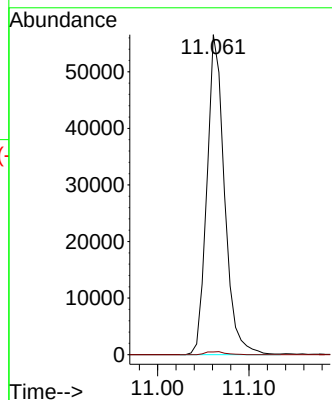
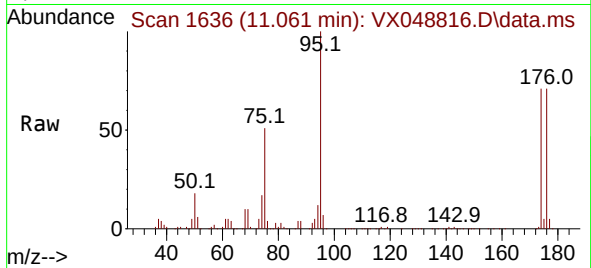




#76
1,2,3-Trichloropropane
Concen: 22.057 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

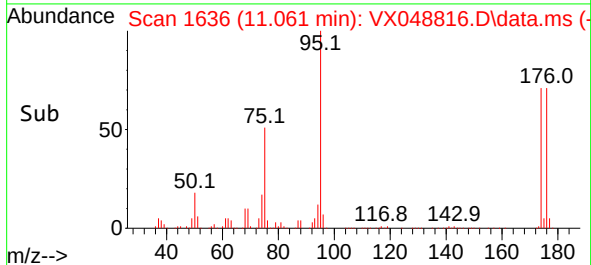
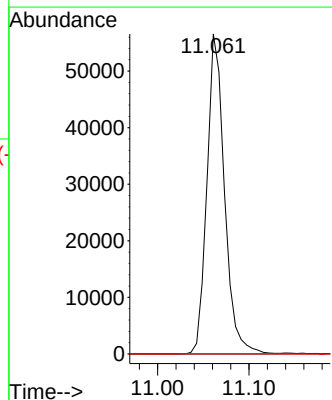
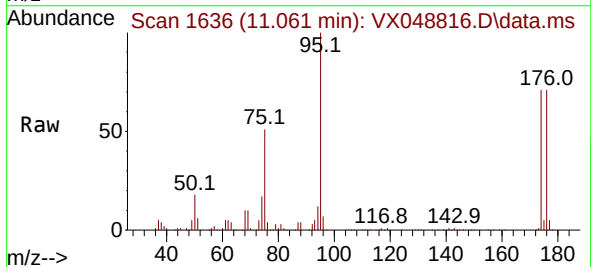
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

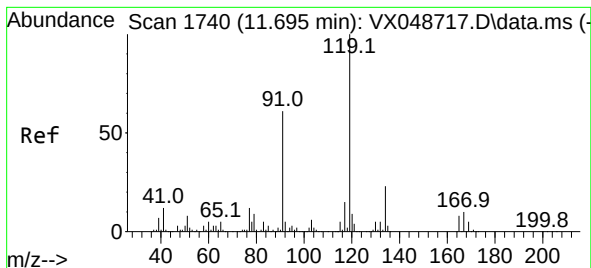
Tgt Ion: 75 Resp: 75360
Ion Ratio Lower Upper
75 100
77 1.0 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.395 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 75 Resp: 75360
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#





#83

tert-Butylbenzene

Concen: 0.593 ug/l

RT: 11.957 min Scan# 1783

Delta R.T. 0.262 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525RE

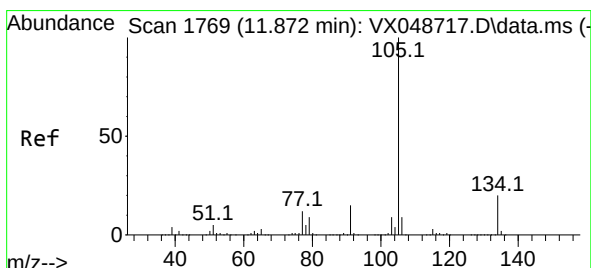
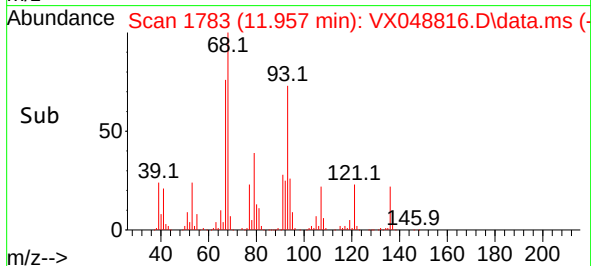
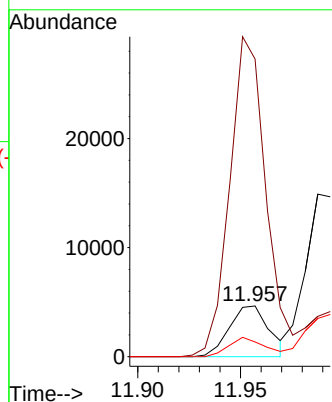
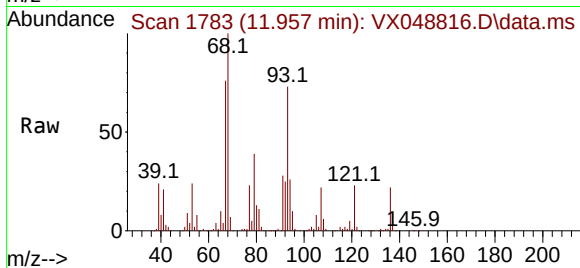
Tgt Ion:119 Resp: 6256

Ion Ratio Lower Upper

119 100

91 562.6 28.4 85.2#

134 34.3 11.2 33.5#



#85

sec-Butylbenzene

Concen: 0.745 ug/l

RT: 11.957 min Scan# 1783

Delta R.T. 0.085 min

Lab File: VX048816.D

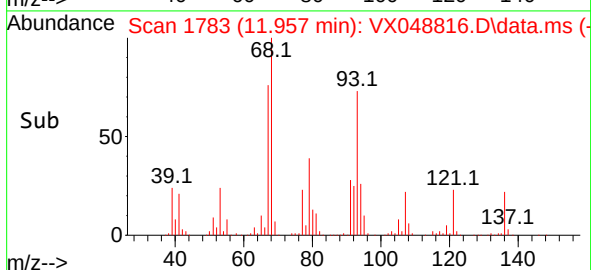
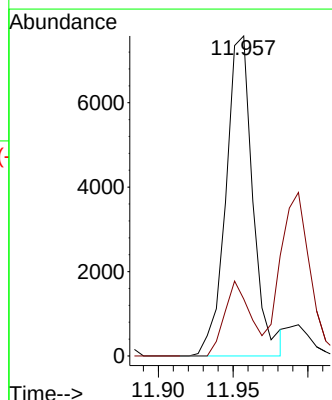
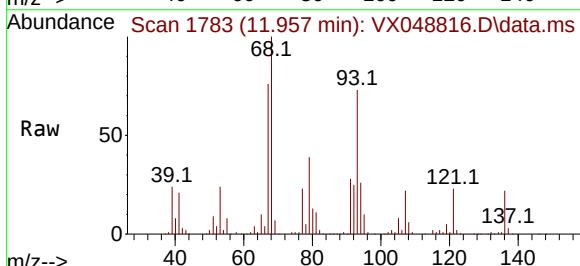
Acq: 10 Dec 2025 16:54

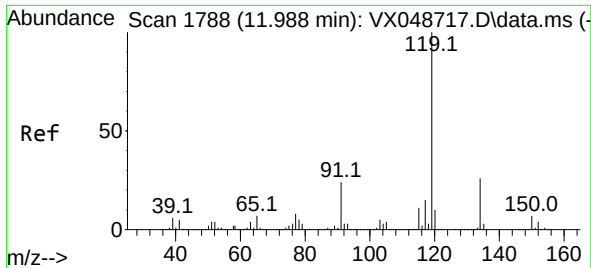
Tgt Ion:105 Resp: 9531

Ion Ratio Lower Upper

105 100

134 22.5 9.8 29.5

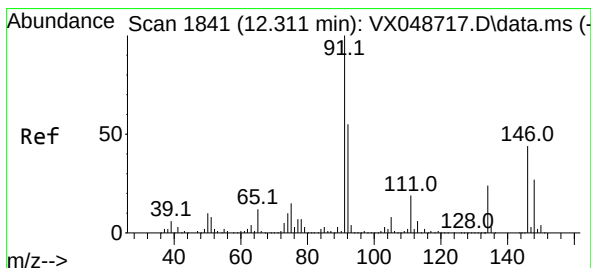
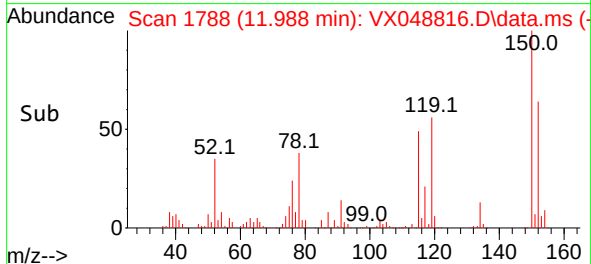
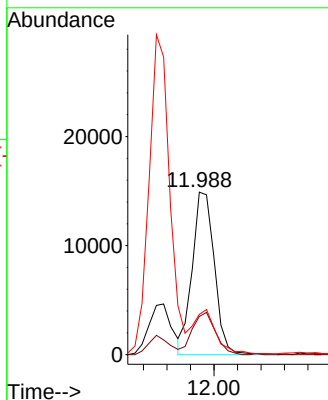
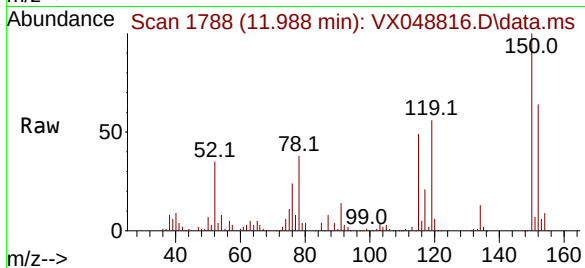




#86
p-Isopropyltoluene
Concen: 1.791 ug/l
RT: 11.988 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

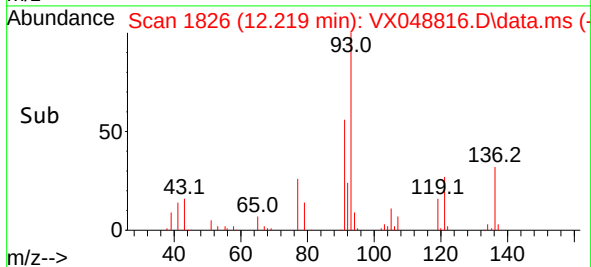
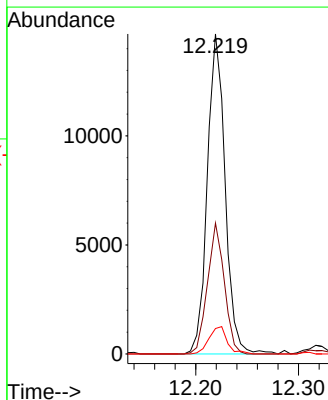
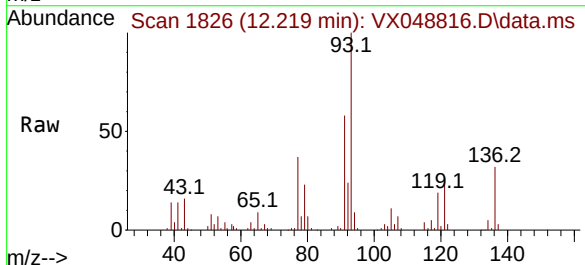
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

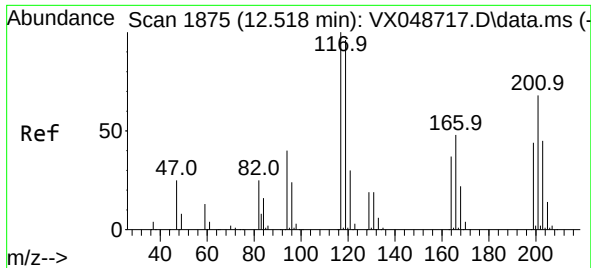
Tgt Ion:119 Resp: 19589
Ion Ratio Lower Upper
119 100
134 27.1 13.1 39.3
91 23.2 11.8 35.4



#89
n-Butylbenzene
Concen: 1.723 ug/l
RT: 12.219 min Scan# 1826
Delta R.T. -0.092 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 91 Resp: 17645
Ion Ratio Lower Upper
91 100
92 38.7 27.1 81.3
134 8.7 12.9 38.6#

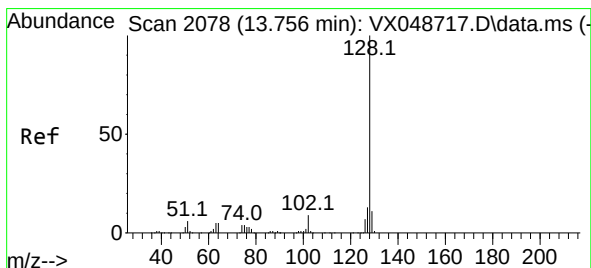
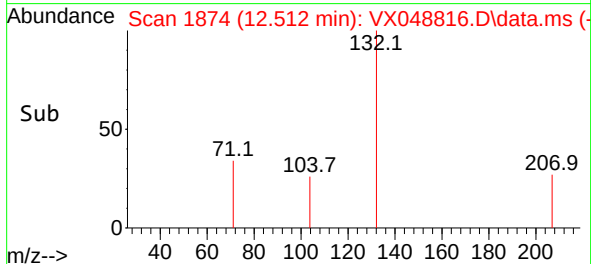
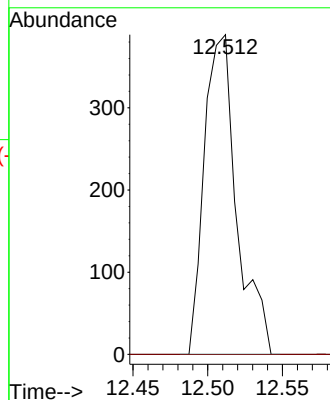
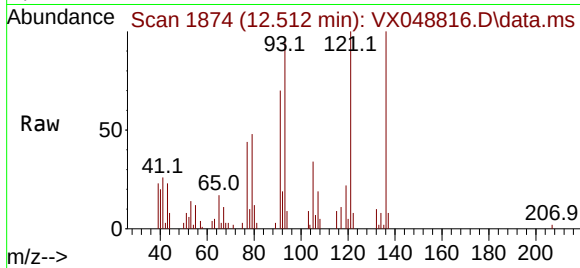




#90
Hexachloroethane
Concen: 0.264 ug/l
RT: 12.512 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

Tgt Ion:117 Resp: 589
Ion Ratio Lower Upper
117 100
201 0.0 36.4 109.1#



#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion:128 Resp: 570
Ion Ratio Lower Upper
128 100
127 99.6 10.2 15.2#
129 0.0 8.6 13.0#

