

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047735.D
 Acq On : 23 Sep 2025 15:52
 Operator : JC/MD
 Sample : Q3097-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20250911

Quant Time: Sep 24 01:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

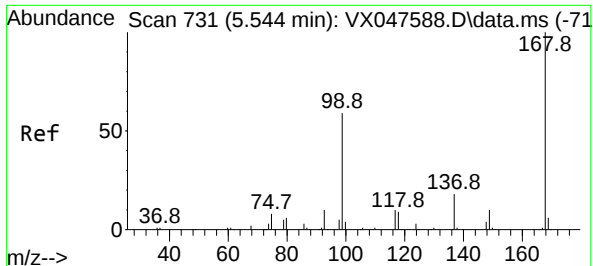
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	134799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	280775	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	282111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109748	51.149	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.300%	
35) Dibromofluoromethane	5.379	113	89571	47.567	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.140%	
50) Toluene-d8	8.635	98	318611	48.899	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	11.067	95	134736	54.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	80	0.335	ug/l #	72
16) Acetone	2.380	43	2333	2.501	ug/l	96
18) Methyl Acetate	2.715	43	479	0.231	ug/l #	54
20) Methylene Chloride	2.788	84	642	0.325	ug/l #	81
31) Cyclohexane	5.538	56	2906	1.025	ug/l #	25
36) 1,1-Dichloropropene	5.538	75	11139	4.048	ug/l #	49
38) Carbon Tetrachloride	5.538	117	14049	4.699	ug/l #	18
51) 4-Methyl-2-Pentanone	8.629	43	1517	0.566	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.165	63	151	7.994	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	68949	23.726	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	68949	60.504	ug/l #	8

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

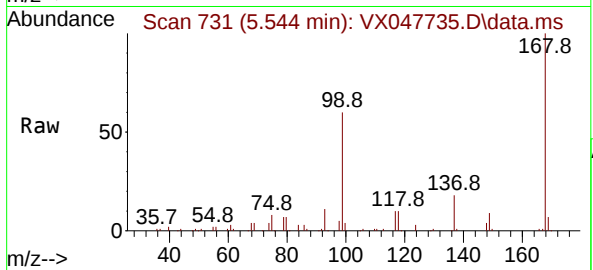
Quant Time: Sep 24 01:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



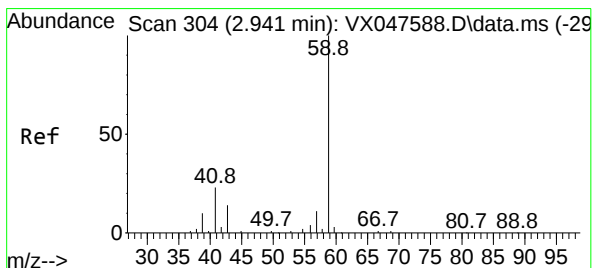
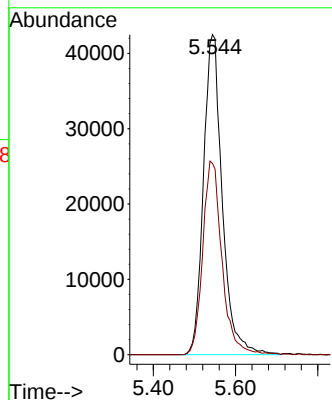
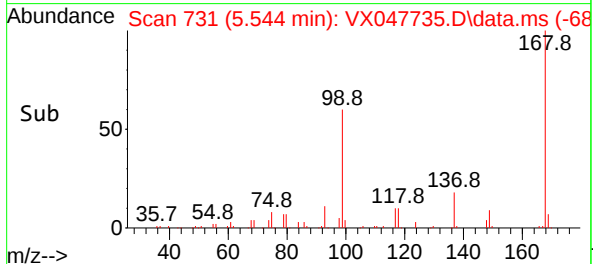


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

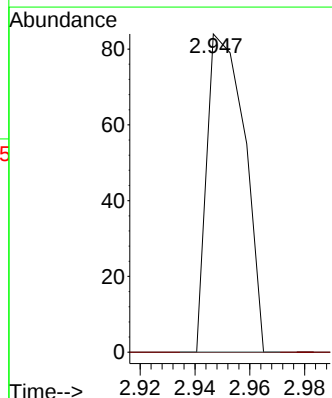
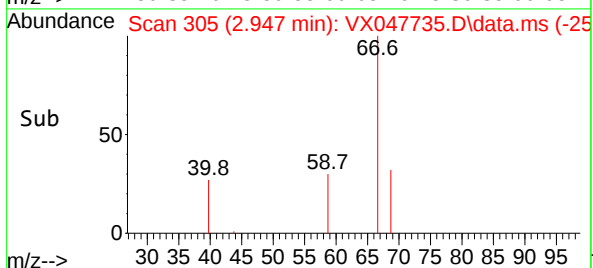
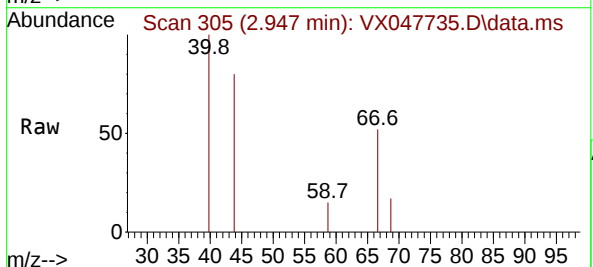


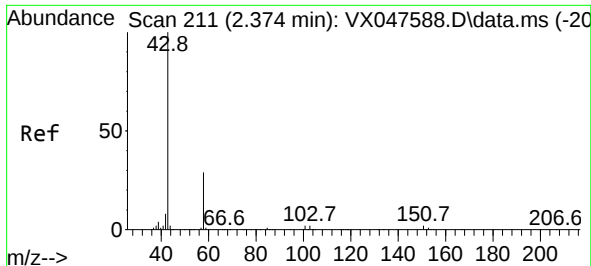
Tgt Ion:168 Resp: 134799
Ion Ratio Lower Upper
168 100
99 59.8 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.335 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

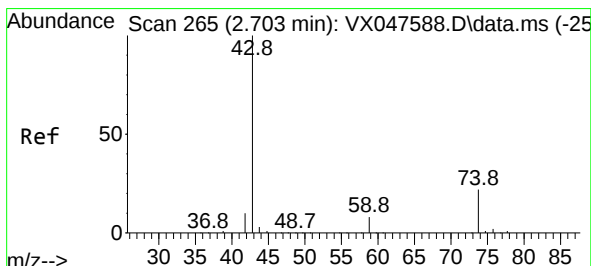
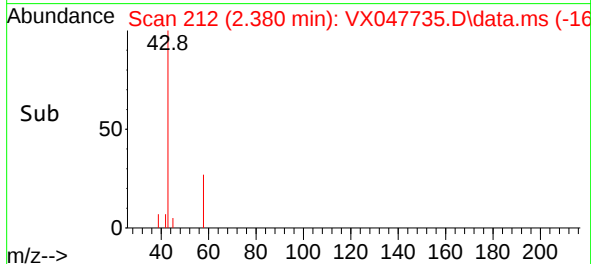
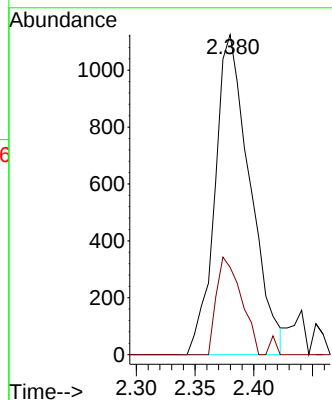
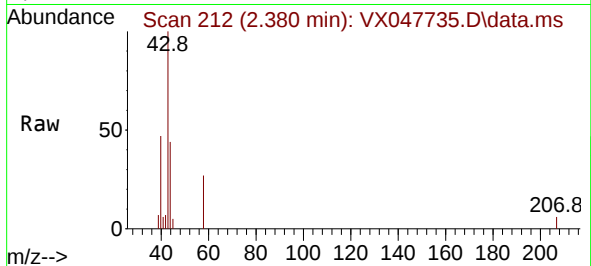




#16
Acetone
Concen: 2.501 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

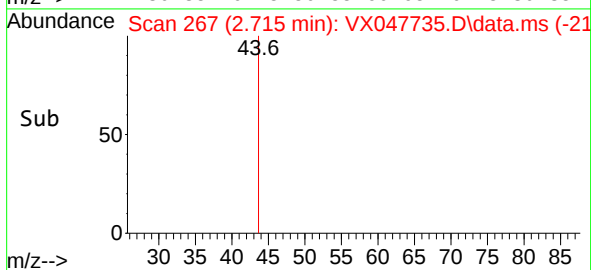
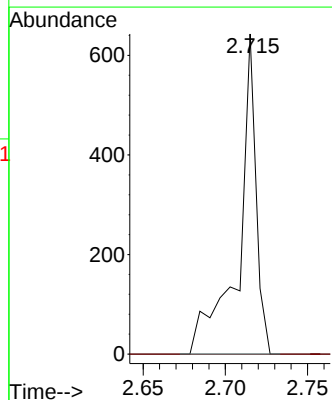
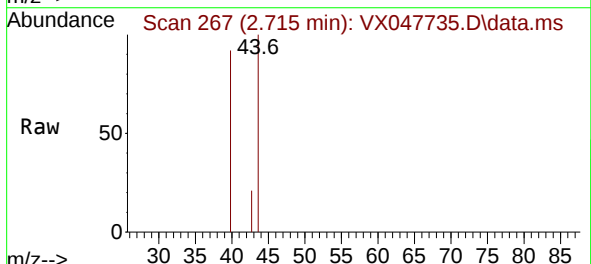
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

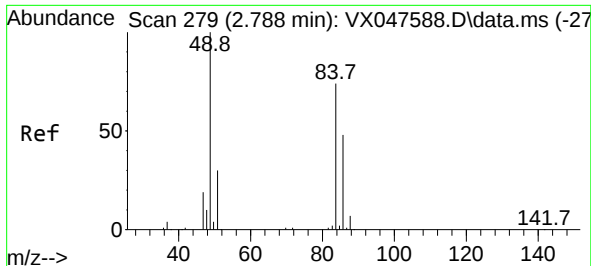
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
58 27.3 23.4 35.0



#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

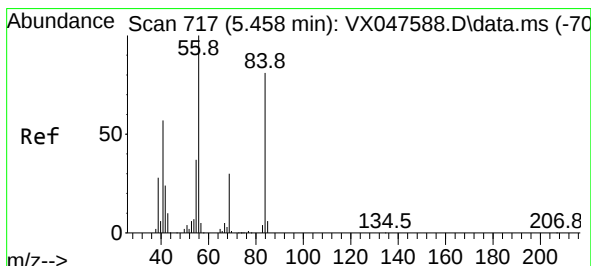
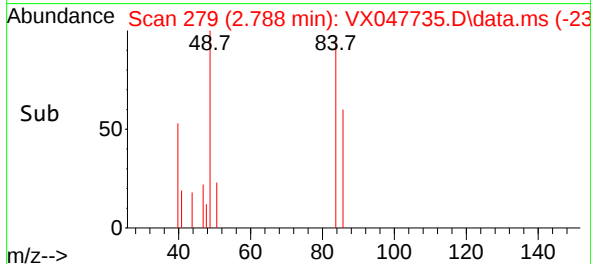
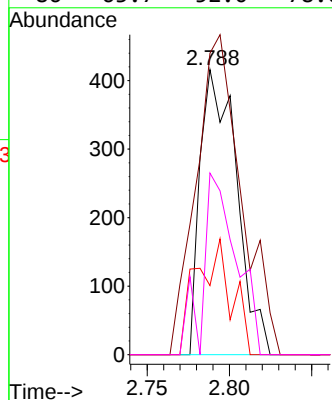
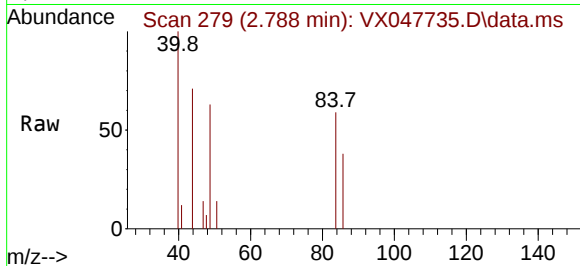




#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

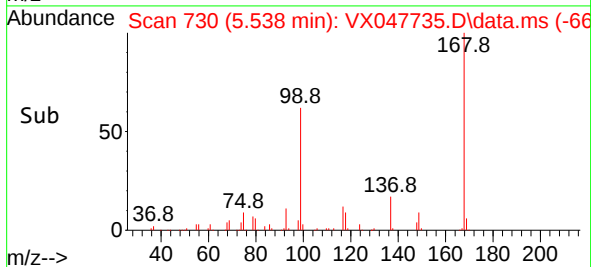
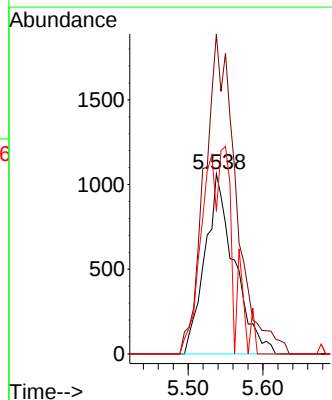
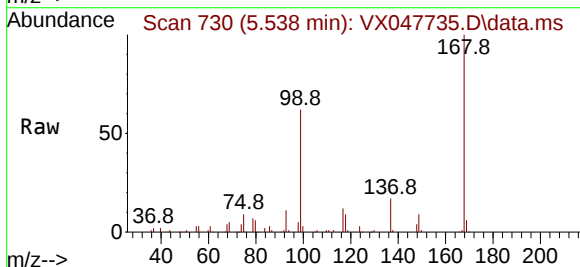
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

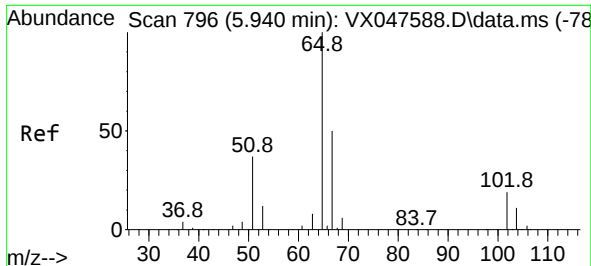
Tgt Ion:	84	Resp:	642
Ion	Ratio	Lower	Upper
84	100		
49	105.8	108.6	162.8#
51	24.3	32.6	48.8#
86	63.7	52.0	78.0



#31
Cyclohexane
Concen: 1.025 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion:	56	Resp:	2906
Ion	Ratio	Lower	Upper
56	100		
69	177.7	23.8	35.8#
84	79.1	64.6	97.0





#33

1,2-Dichloroethane-d4

Concen: 51.149 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047735.D

Acq: 23 Sep 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

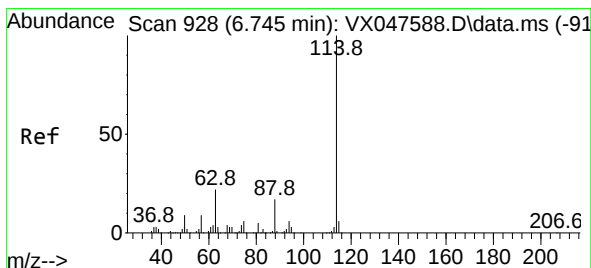
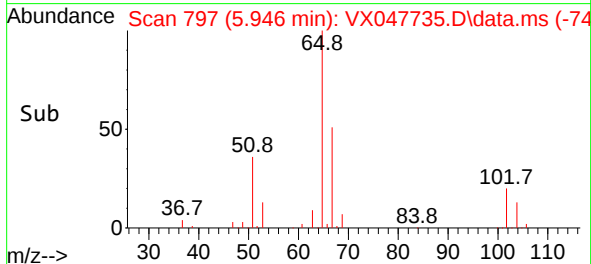
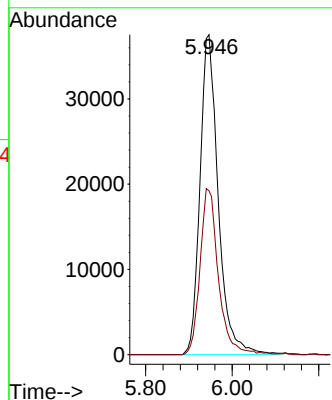
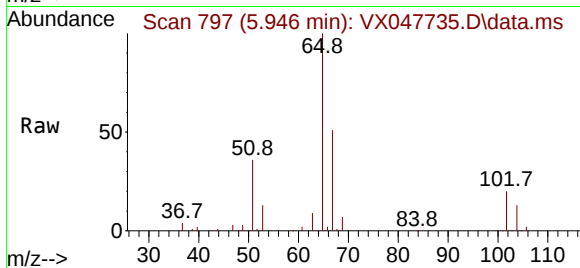
RE117D2-20250911

Tgt Ion: 65 Resp: 109748

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047735.D

Acq: 23 Sep 2025 15:52

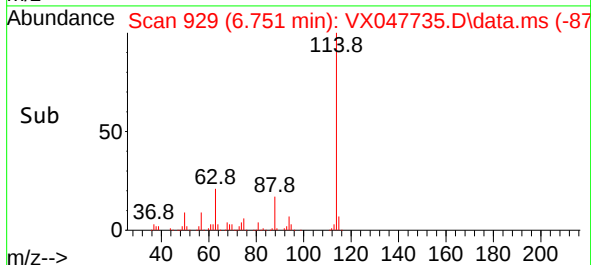
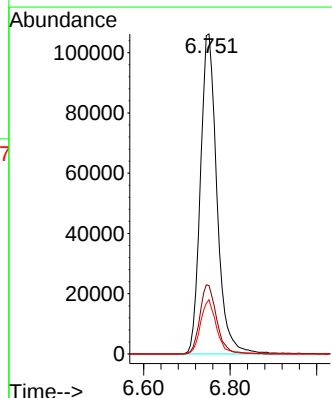
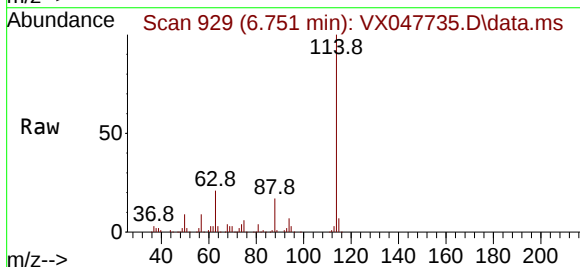
Tgt Ion: 114 Resp: 280775

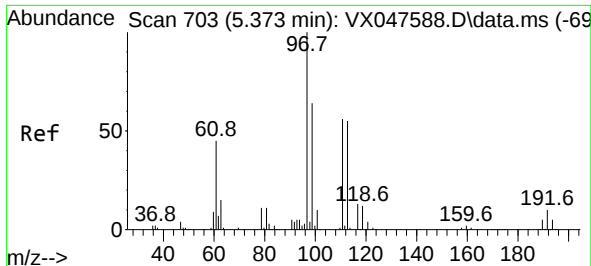
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 16.9 0.0 34.2

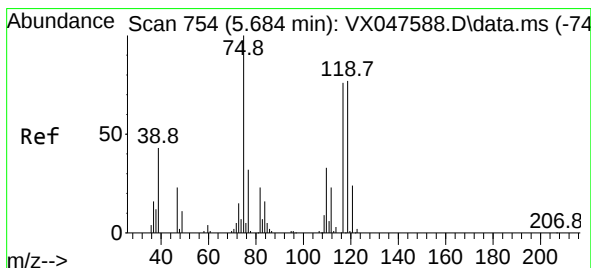
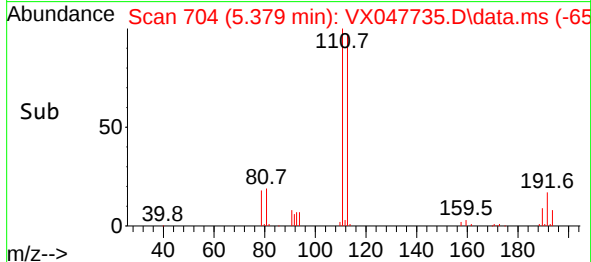
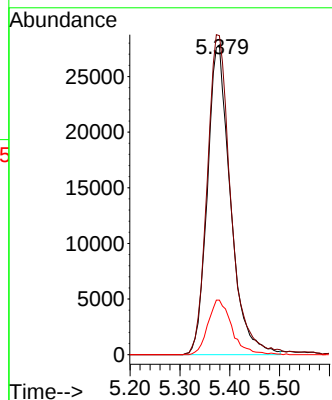
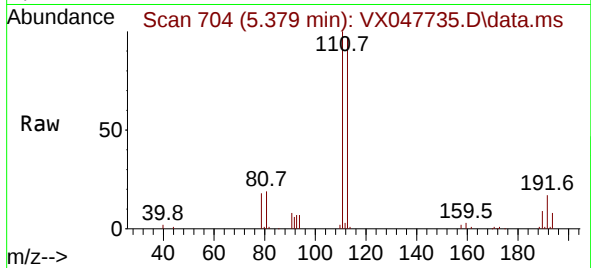




#35
Dibromofluoromethane
Concen: 47.567 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

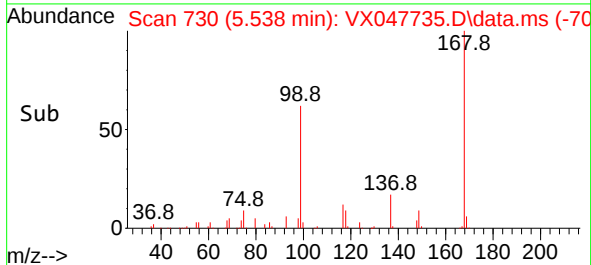
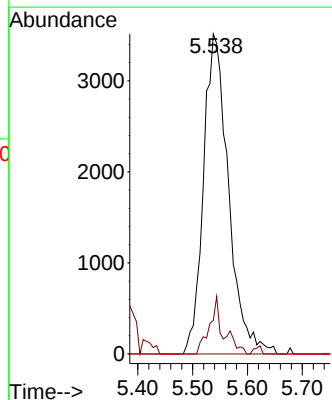
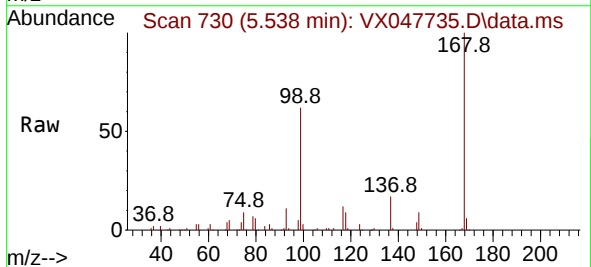
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

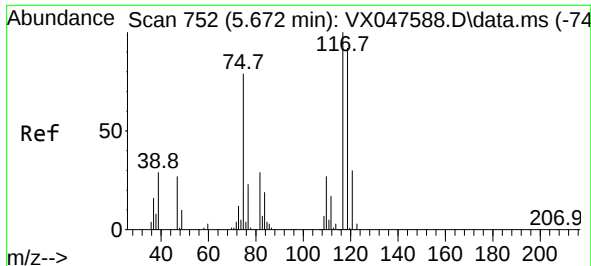
Tgt Ion:113 Resp: 89571
Ion Ratio Lower Upper
113 100
111 105.3 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.048 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 75 Resp: 11139
Ion Ratio Lower Upper
75 100
110 7.3 16.7 50.1#
77 0.0 24.3 36.5#

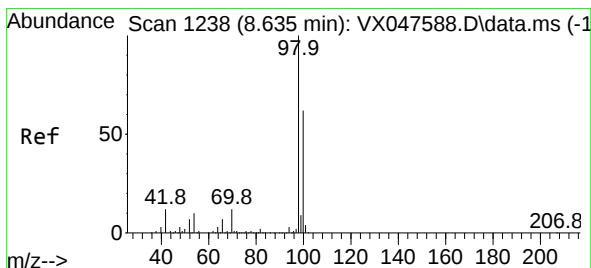
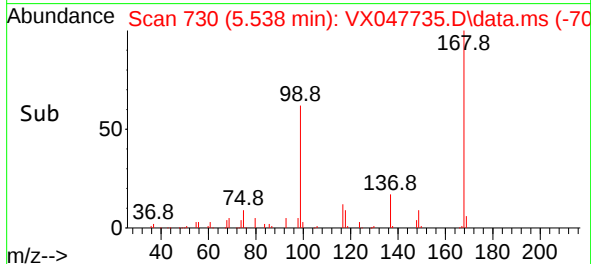
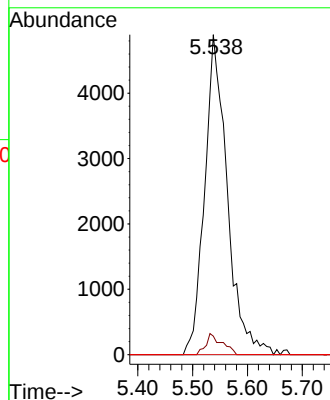
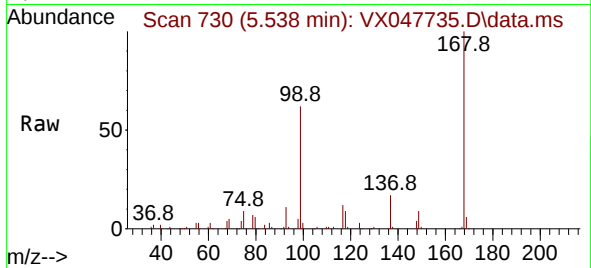




#38
Carbon Tetrachloride
Concen: 4.699 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

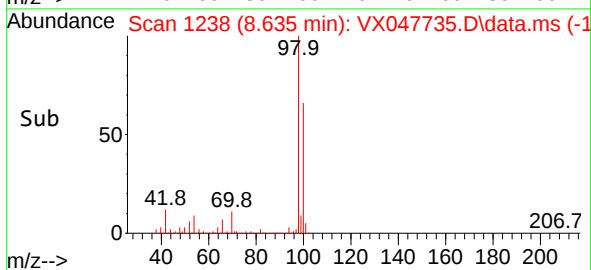
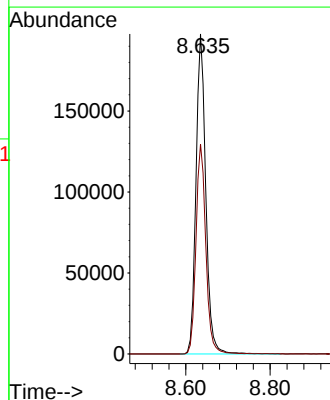
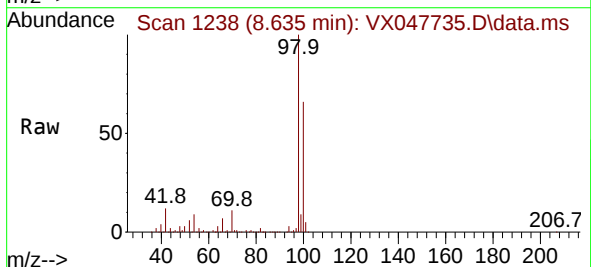
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

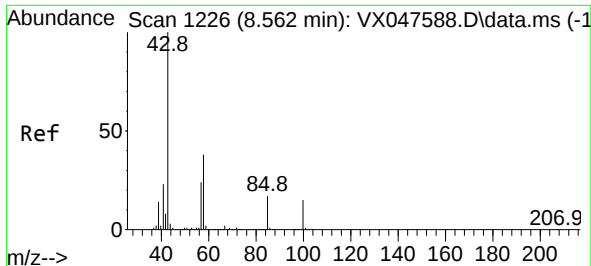
Tgt Ion:117 Resp: 14049
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.899 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 98 Resp: 318611
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

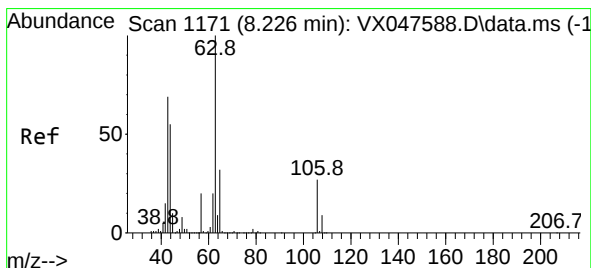
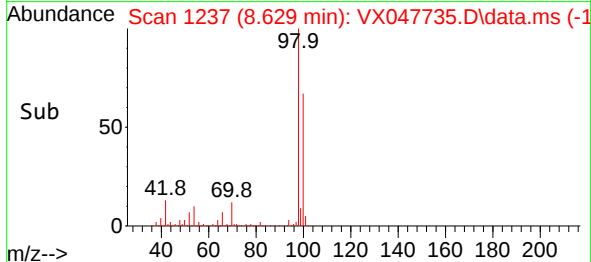
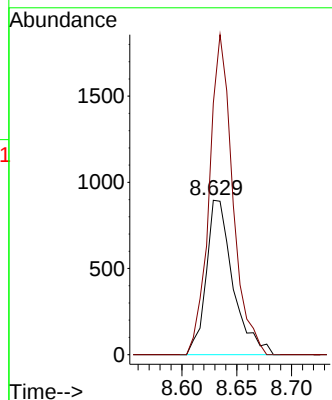
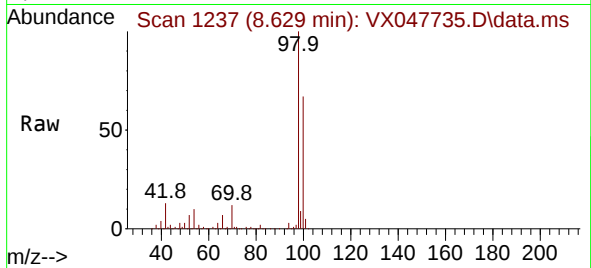




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.629 min Scan# 1161
Delta R.T. 0.067 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

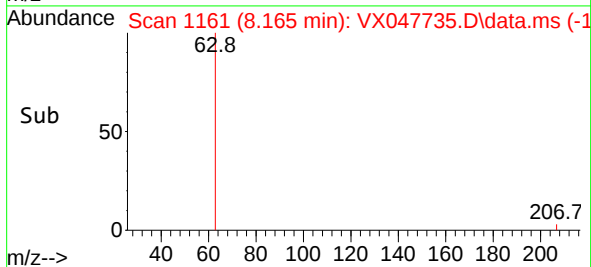
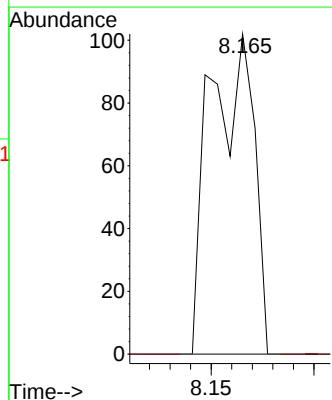
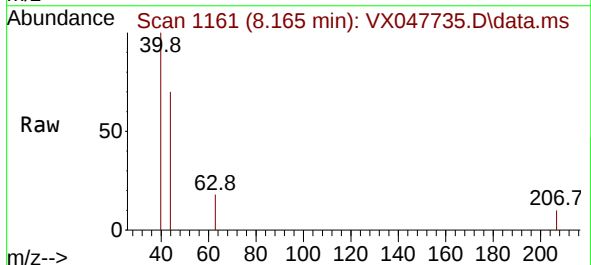
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

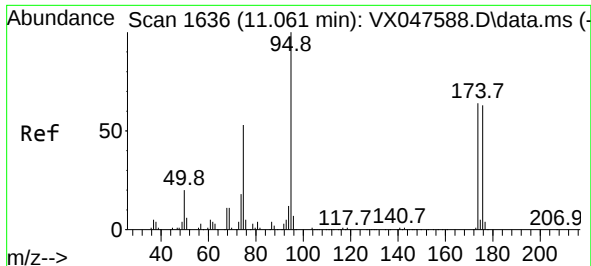
Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
58 183.1 30.3 45.5#



#58
2-Chloroethyl Vinyl ether
Concen: 7.994 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 63 Resp: 151
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

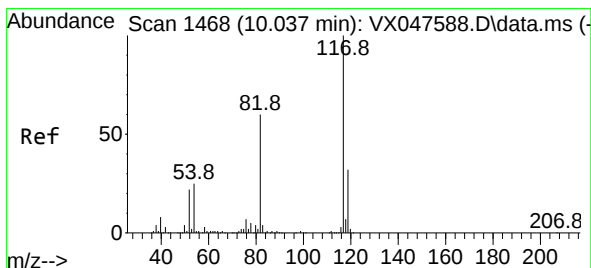
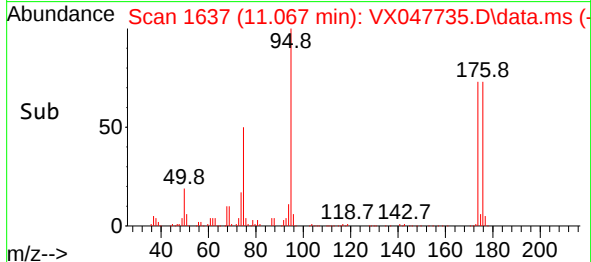
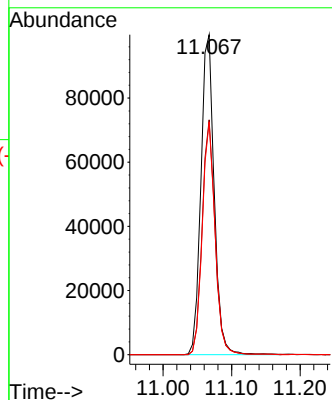
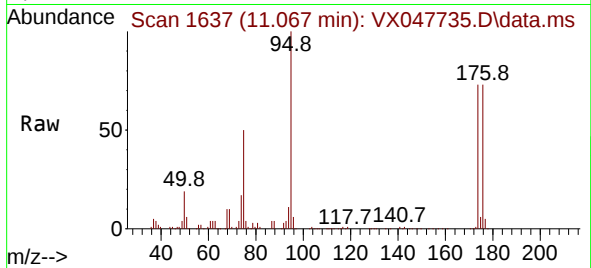




#62
4-Bromofluorobenzene
Concen: 54.487 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

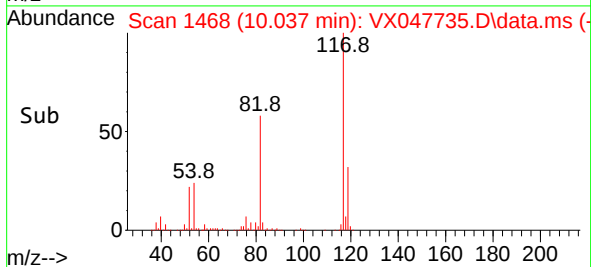
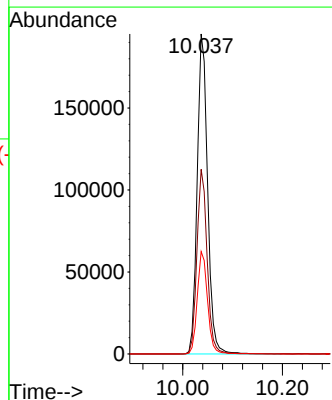
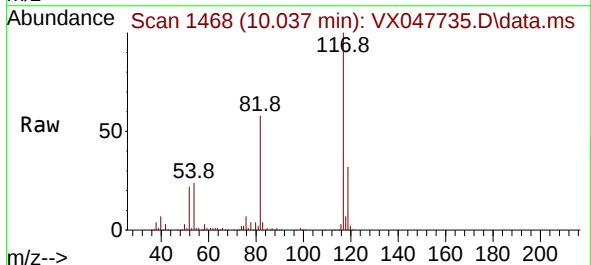
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250911

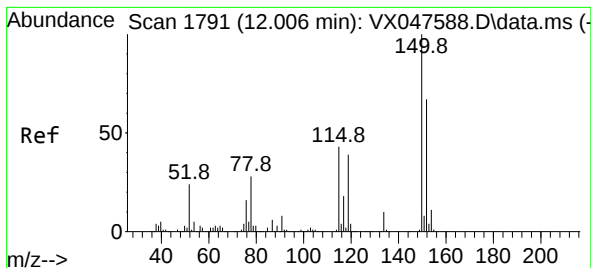
Tgt Ion: 95 Resp: 134736
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.6
176 70.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047735.D
Acq: 23 Sep 2025 15:52

Tgt Ion: 117 Resp: 282111
Ion Ratio Lower Upper
117 100
82 57.7 47.8 71.6
119 32.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047735.D

Acq: 23 Sep 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20250911

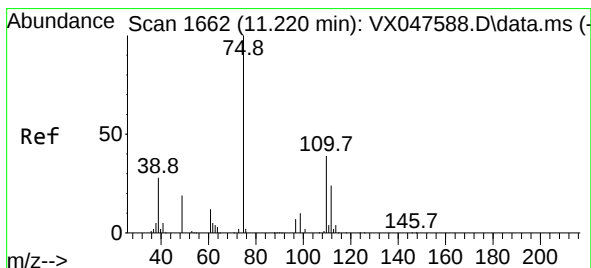
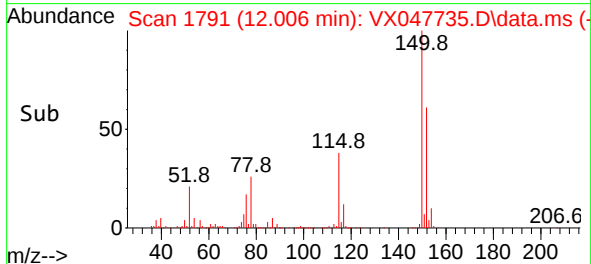
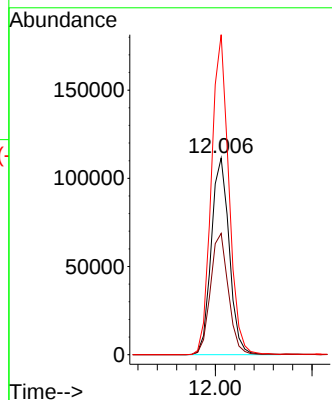
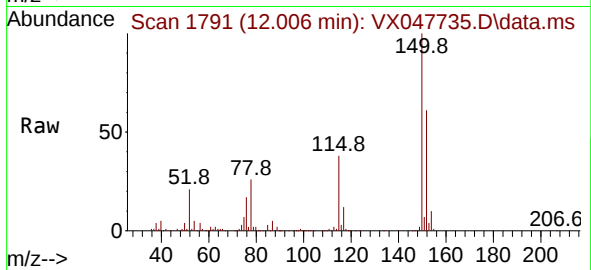
Tgt Ion:152 Resp: 143533

Ion Ratio Lower Upper

152 100

115 61.6 44.9 134.5

150 158.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.726 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047735.D

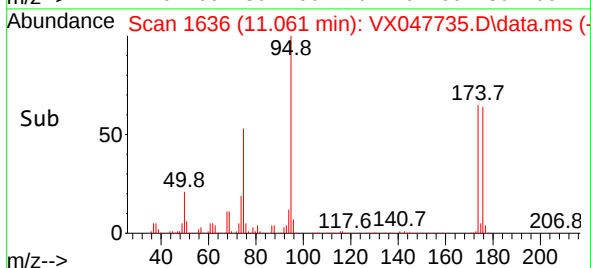
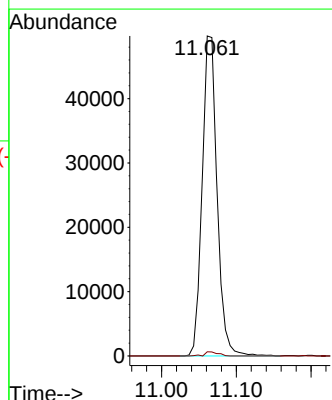
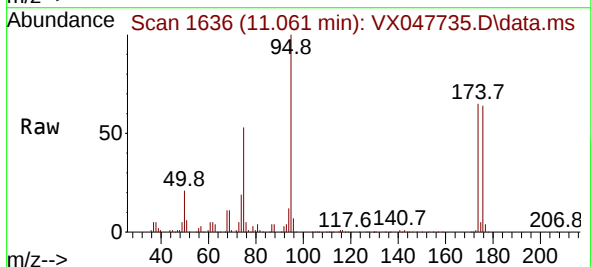
Acq: 23 Sep 2025 15:52

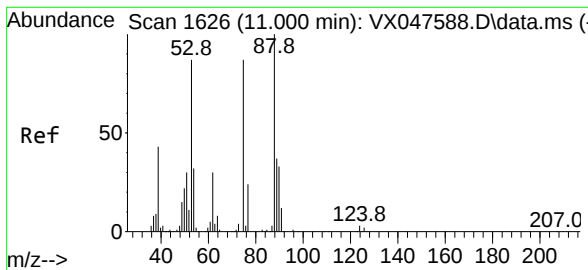
Tgt Ion: 75 Resp: 68949

Ion Ratio Lower Upper

75 100

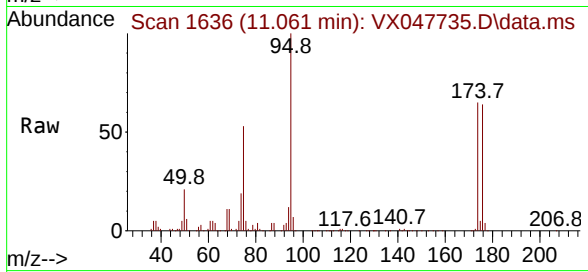
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.504 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047735.D
 Acq: 23 Sep 2025 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20250911



Tgt Ion: 75 Resp: 68949
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

