

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047617.D
 Acq On : 17 Sep 2025 14:48
 Operator : JC/MD
 Sample : Q3095-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D1-20250909

Quant Time: Sep 22 03:08:03 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)

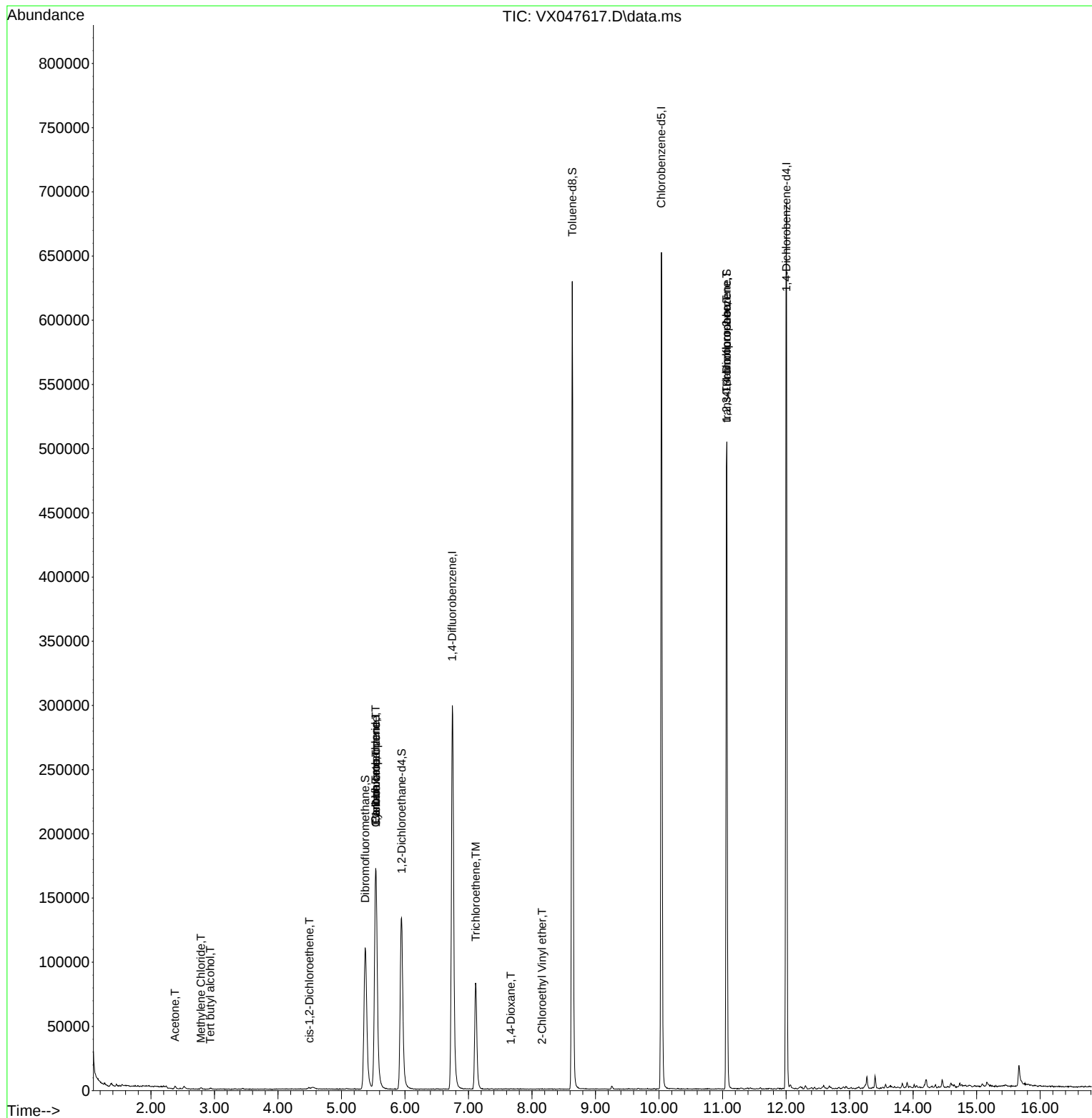
Internal Standards						
1) Pentafluorobenzene	5.537	168	176033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	325545	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	148263	52.913	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.820%			
35) Dibromofluoromethane	5.373	113	107388	49.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	8.634	98	379045	50.174	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.067	95	145431	50.724	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	158	0.506	ug/l #	72
16) Acetone	2.379	43	2393	1.964	ug/l #	81
20) Methylene Chloride	2.788	84	610	0.237	ug/l #	90
27) cis-1,2-Dichloroethene	4.495	96	712	0.258	ug/l	86
31) Cyclohexane	5.544	56	3670	0.991	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	15169	4.755	ug/l #	46
38) Carbon Tetrachloride	5.537	117	19053	5.497	ug/l #	18
44) Trichloroethene	7.116	130	35374	15.100	ug/l	92
49) 1,4-Dioxane	7.665	88	79	2.801	ug/l #	37
58) 2-Chloroethyl Vinyl ether	8.159	63	127	7.966	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	75606	26.205	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	75606	66.825	ug/l #	8

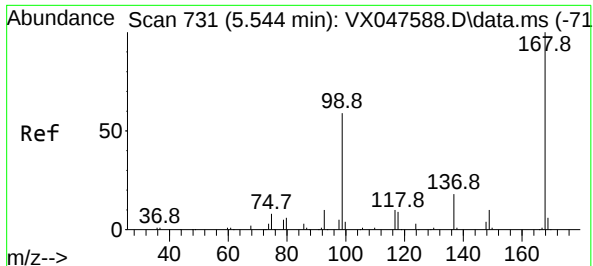
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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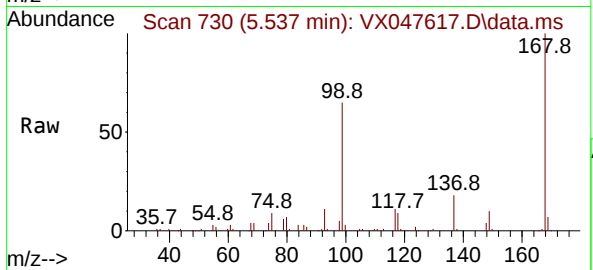
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



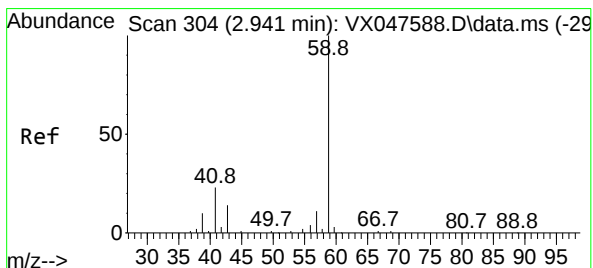
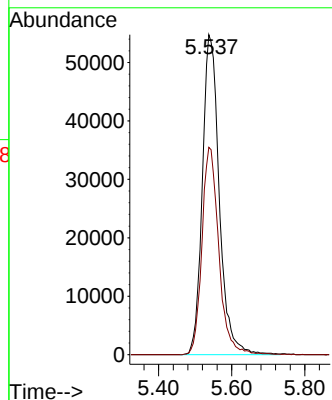
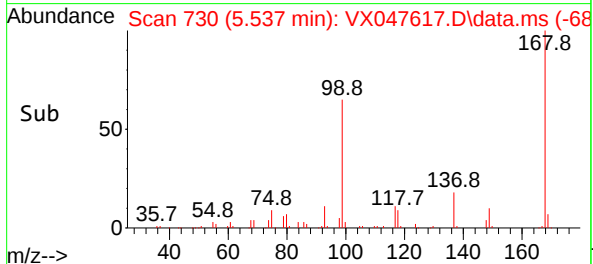


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

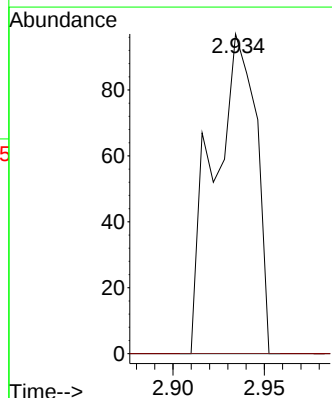
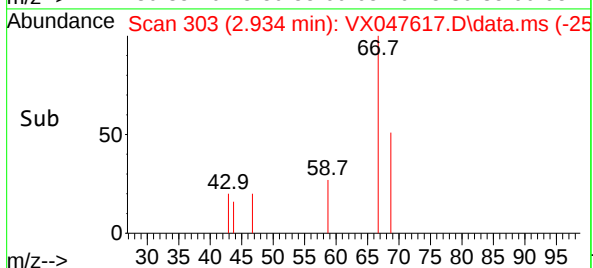
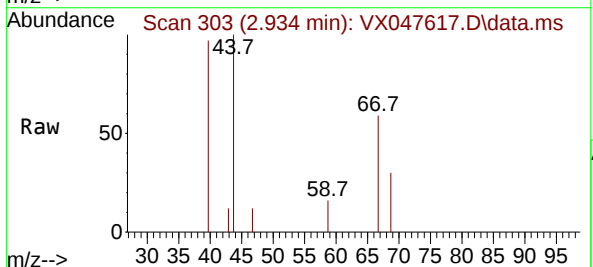


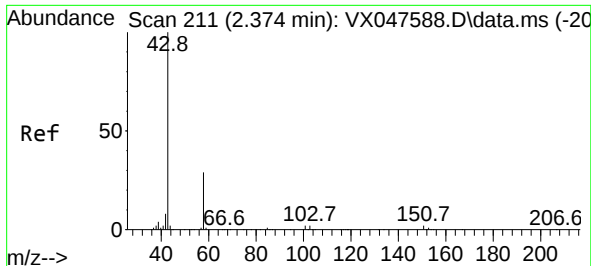
Tgt Ion:168 Resp: 176033
Ion Ratio Lower Upper
168 100
99 64.8 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.506 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

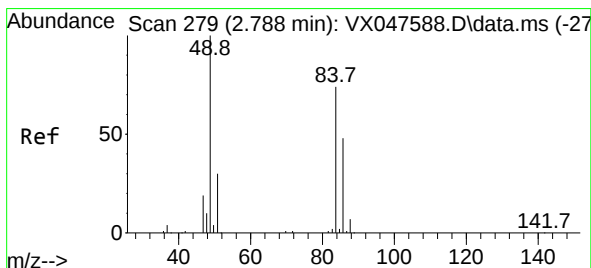
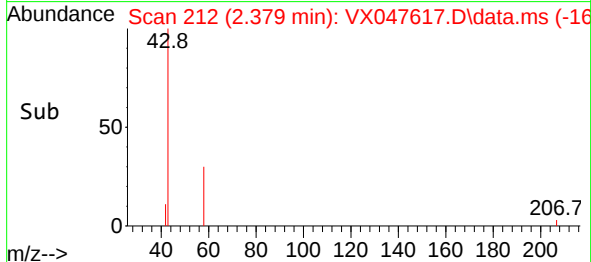
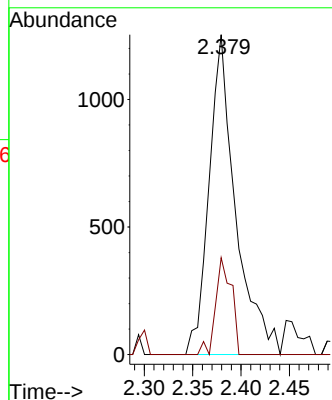
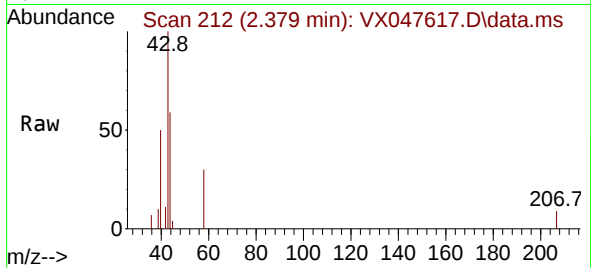




#16
Acetone
Concen: 1.964 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

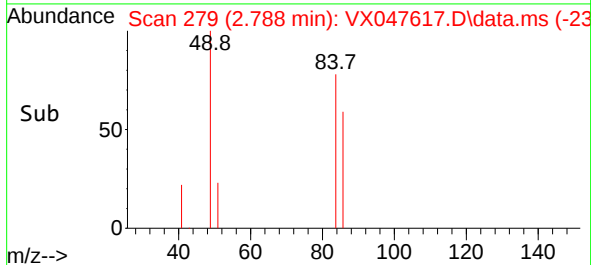
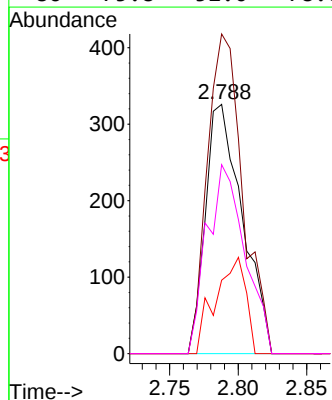
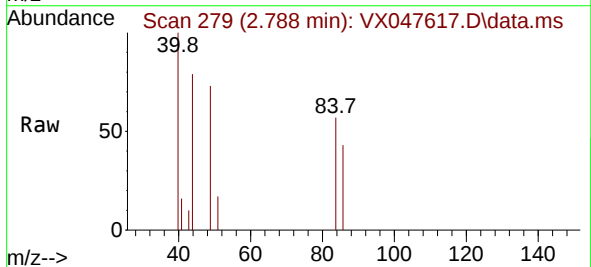
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

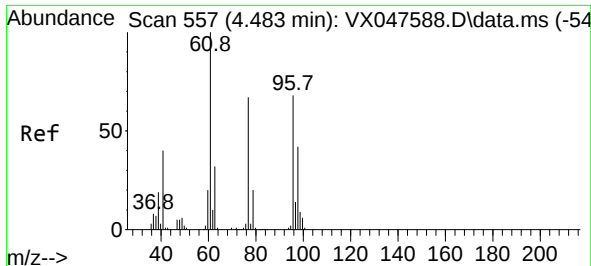
Tgt Ion: 43 Resp: 2393
Ion Ratio Lower Upper
43 100
58 19.0 23.4 35.0#



#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 128.2 108.6 162.8
51 29.4 32.6 48.8#
86 75.8 52.0 78.0

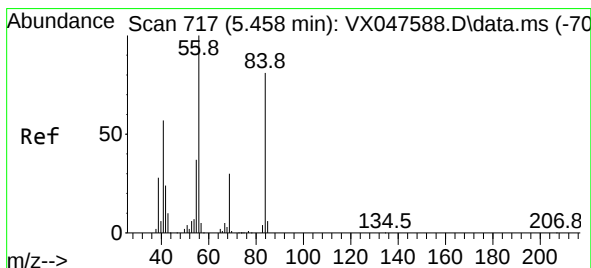
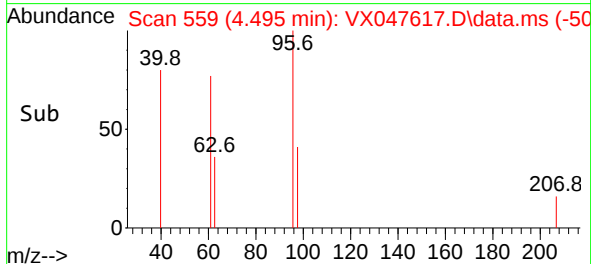
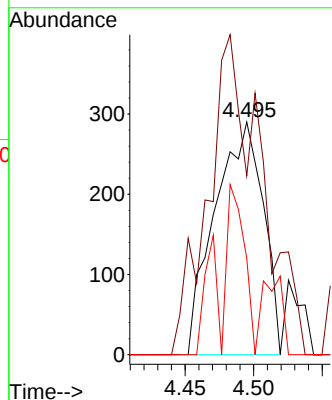
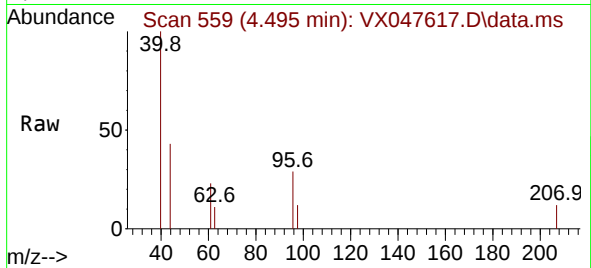




#27
 cis-1,2-Dichloroethene
 Concen: 0.258 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.012 min
 Lab File: VX047617.D
 Acq: 17 Sep 2025 14:48

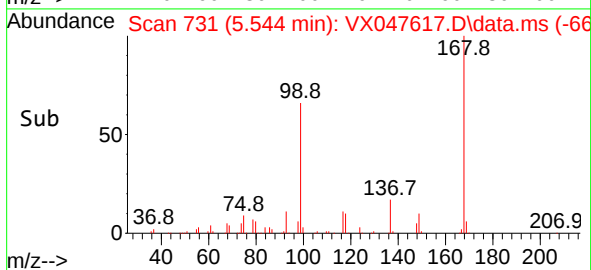
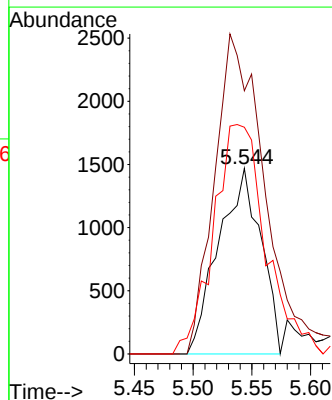
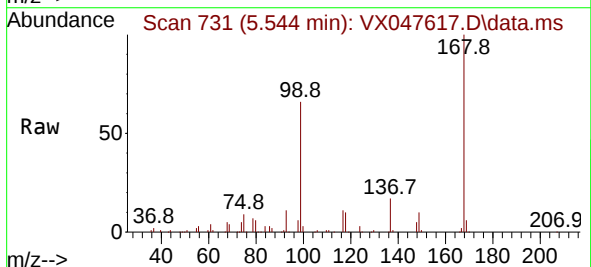
Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D1-20250909

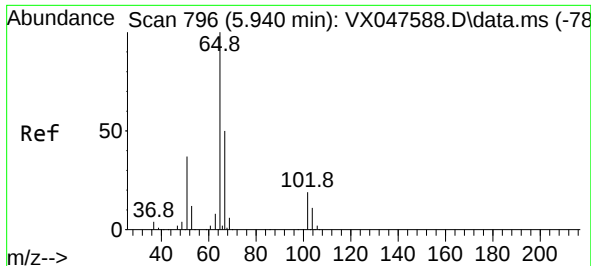
Tgt Ion:	96	Resp:	712
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	303.2
98	26.4	0.0	127.8



#31
 Cyclohexane
 Concen: 0.991 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.085 min
 Lab File: VX047617.D
 Acq: 17 Sep 2025 14:48

Tgt Ion:	56	Resp:	3670
Ion	Ratio	Lower	Upper
56	100		
69	141.9	23.8	35.8#
84	114.9	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.913 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047617.D

Acq: 17 Sep 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

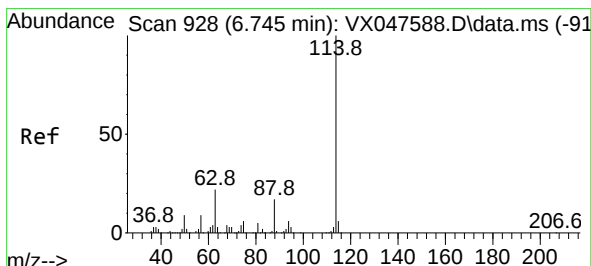
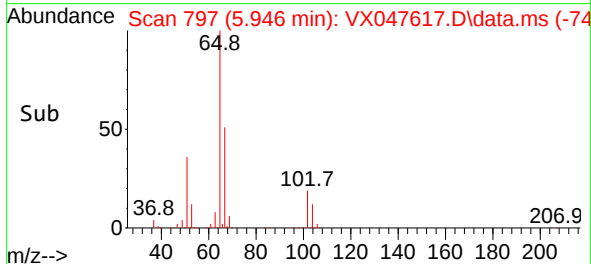
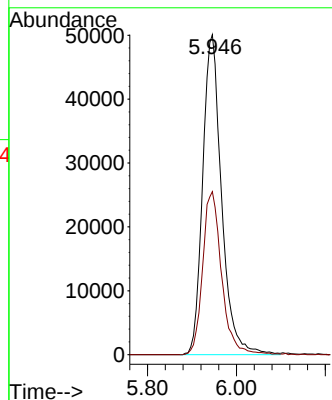
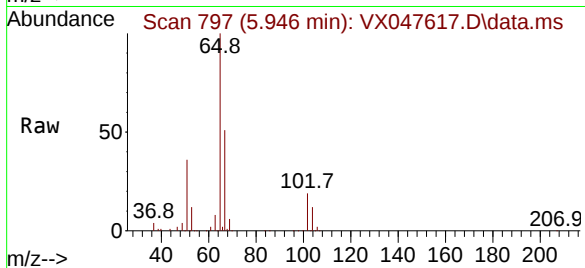
RE123D1-20250909

Tgt Ion: 65 Resp: 148263

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047617.D

Acq: 17 Sep 2025 14:48

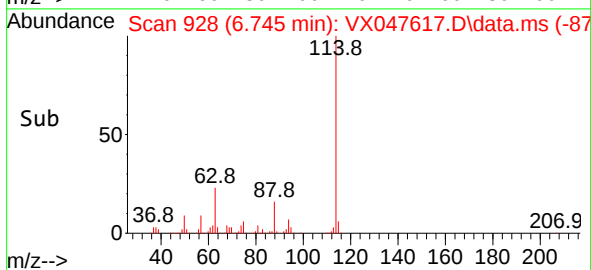
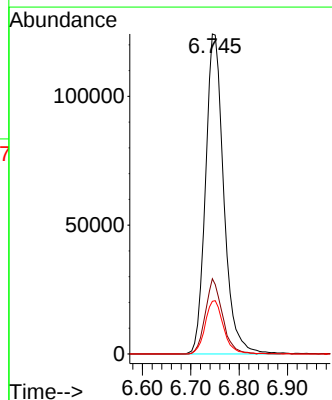
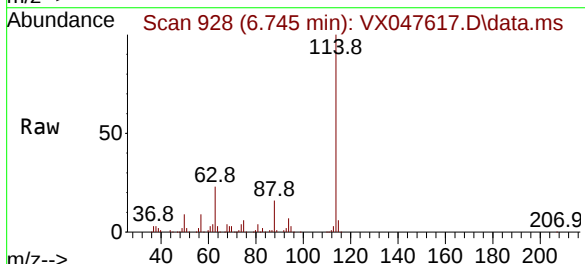
Tgt Ion: 114 Resp: 325545

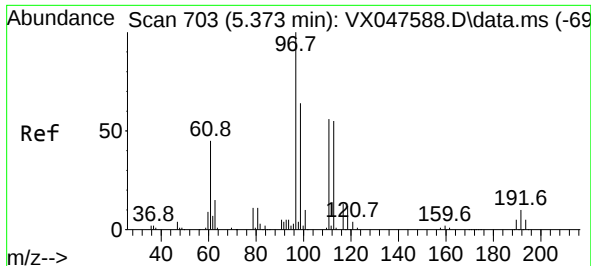
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.0

88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.186 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047617.D

Acq: 17 Sep 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

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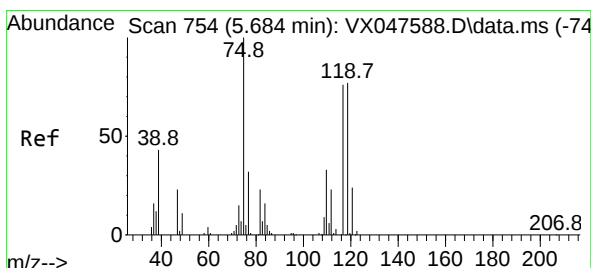
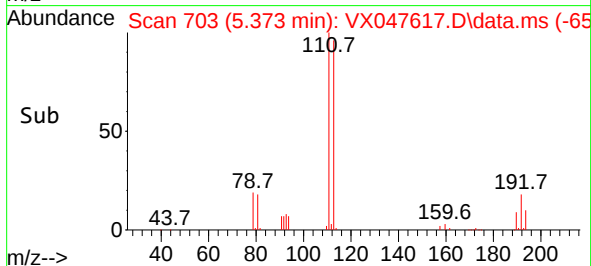
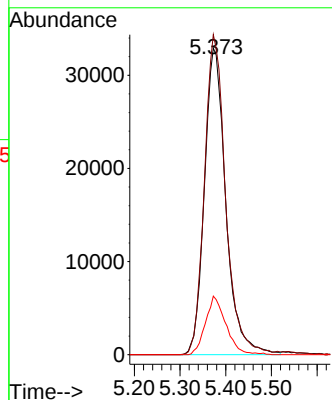
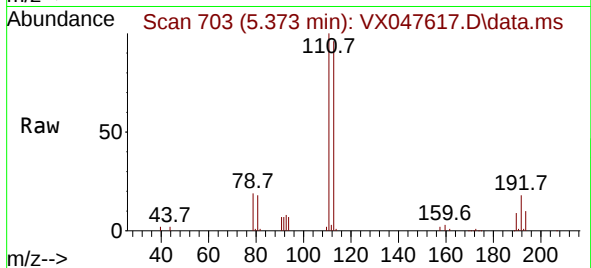
Tgt Ion:113 Resp: 107388

Ion Ratio Lower Upper

113 100

111 103.1 80.9 121.3

192 18.3 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX047617.D

Acq: 17 Sep 2025 14:48

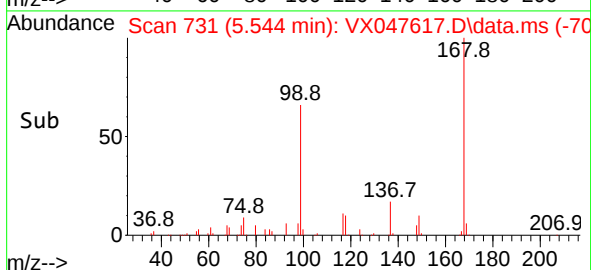
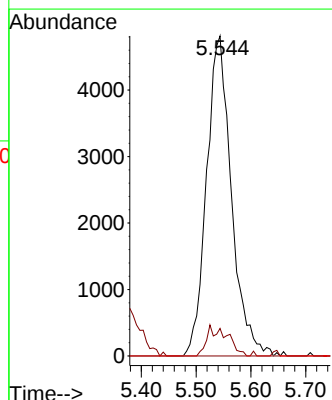
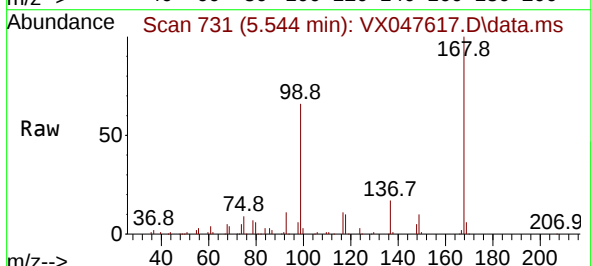
Tgt Ion: 75 Resp: 15169

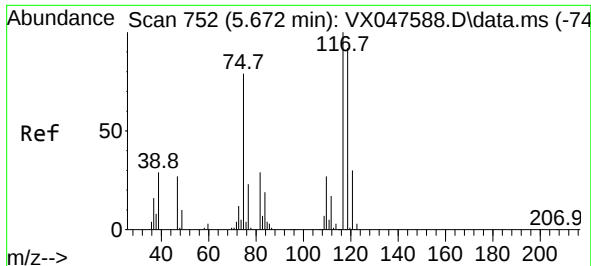
Ion Ratio Lower Upper

75 100

110 3.6 16.7 50.1#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX047617.D

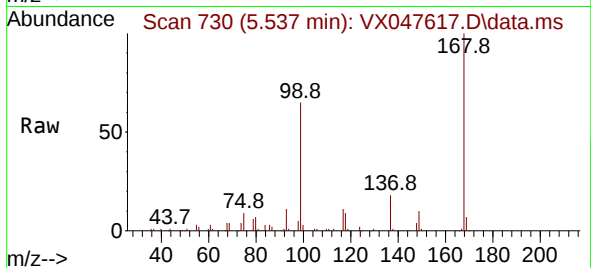
Acq: 17 Sep 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE123D1-20250909



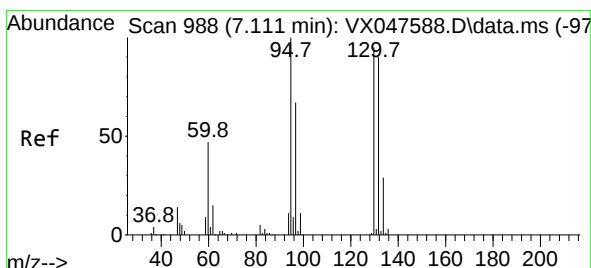
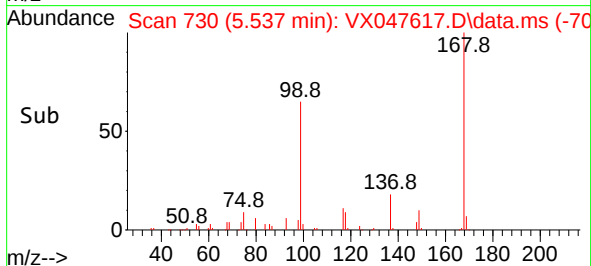
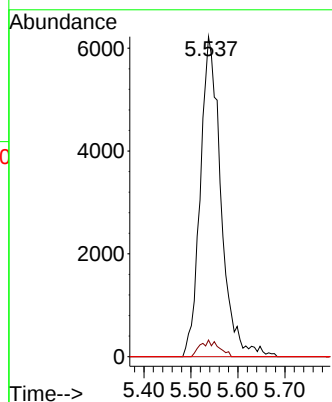
Tgt Ion:117 Resp: 19053

Ion Ratio Lower Upper

117 100

119 5.2 73.4 110.2#

121 0.0 23.8 35.6#



#44

Trichloroethene

Concen: 15.100 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX047617.D

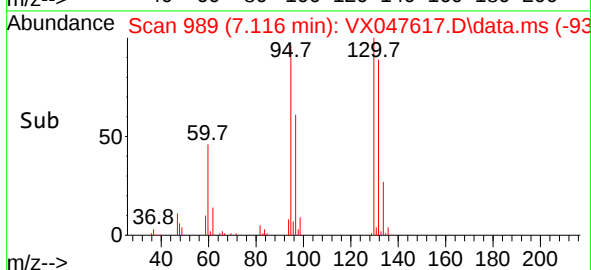
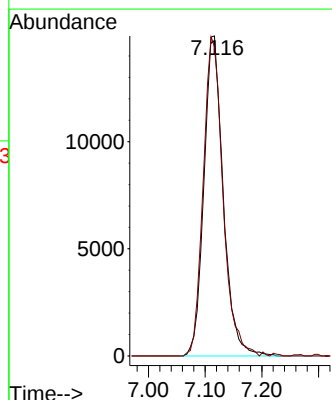
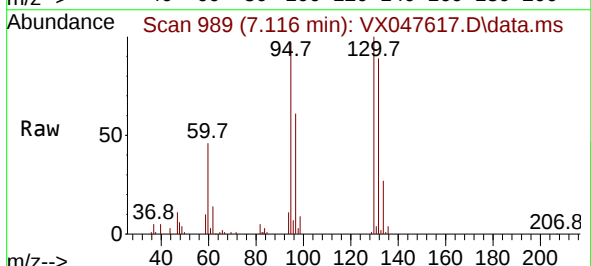
Acq: 17 Sep 2025 14:48

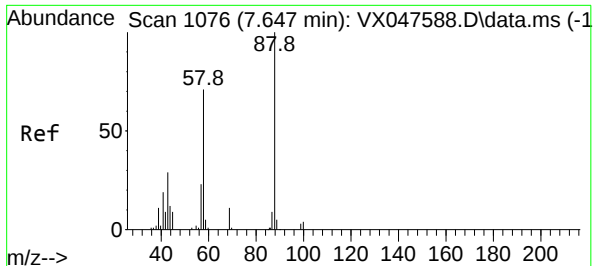
Tgt Ion:130 Resp: 35374

Ion Ratio Lower Upper

130 100

95 96.7 0.0 210.8





#49

1,4-Dioxane

Concen: 2.801 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047617.D

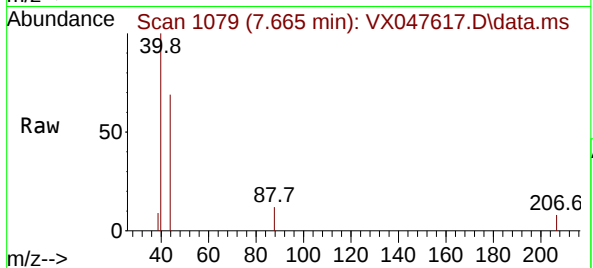
Acq: 17 Sep 2025 14:48

Instrument :

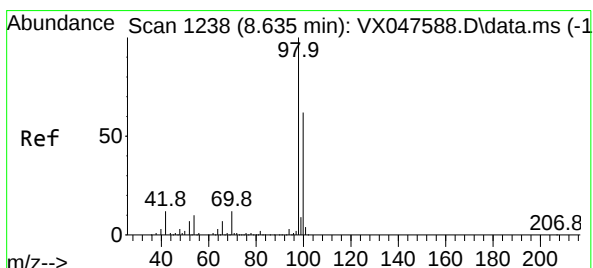
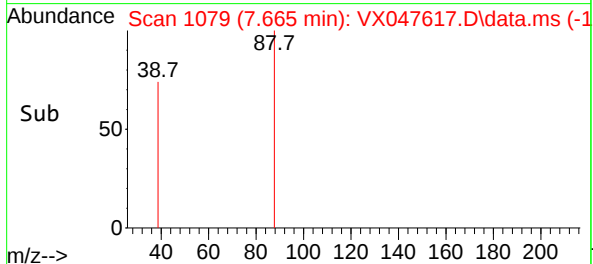
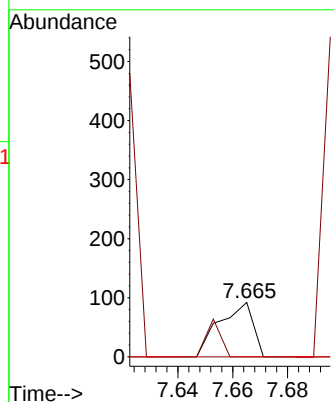
MSVOA_X

ClientSampleId :

RE123D1-20250909



Tgt Ion:	88	Resp:	79
Ion	Ratio	Lower	Upper
88	100		
43	29.1	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 50.174 ug/l

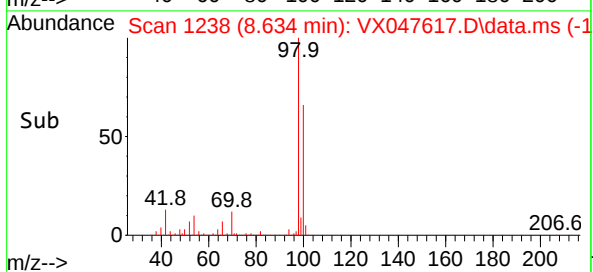
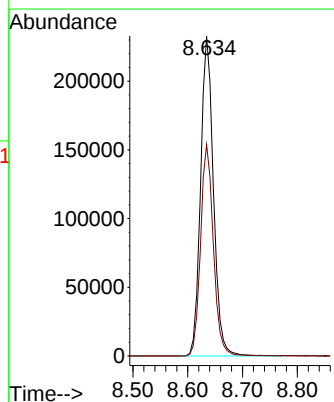
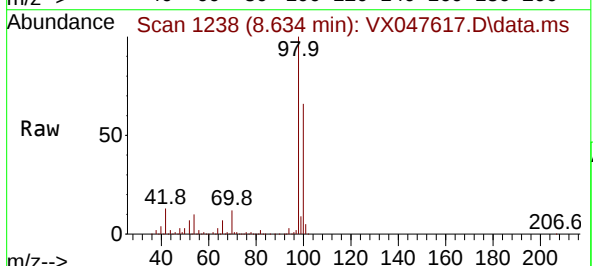
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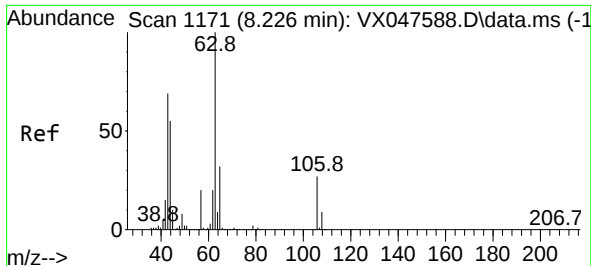
Delta R.T. -0.000 min

Lab File: VX047617.D

Acq: 17 Sep 2025 14:48

Tgt Ion:	98	Resp:	379045
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

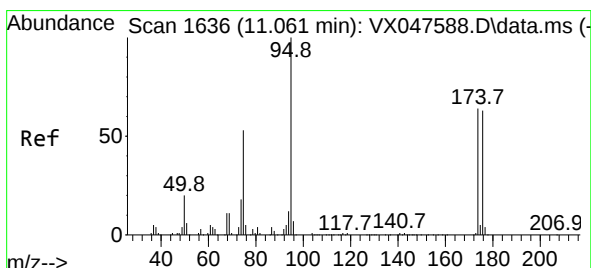
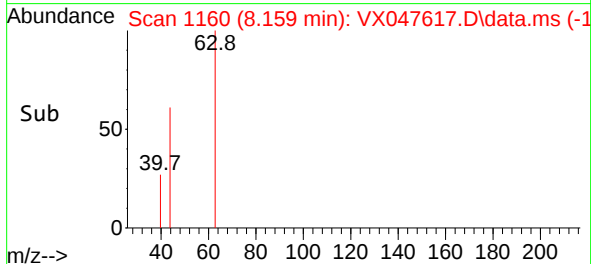
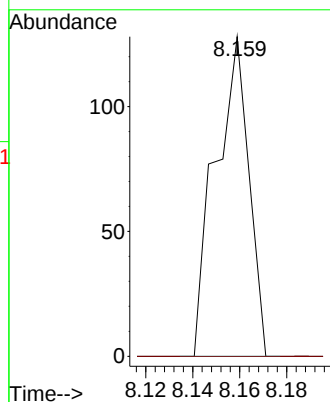
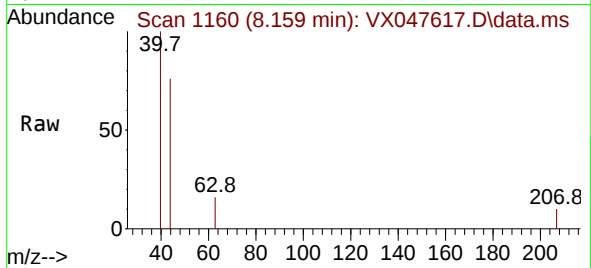




#58
2-Chloroethyl Vinyl ether
Concen: 7.966 ug/l
RT: 8.159 min Scan# 1171
Delta R.T. -0.067 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

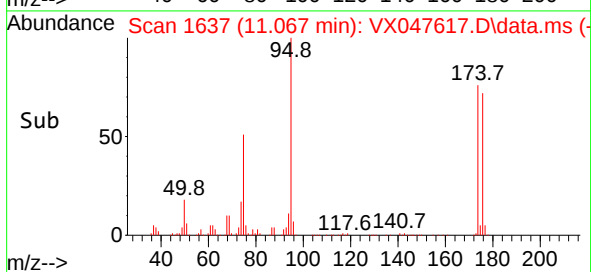
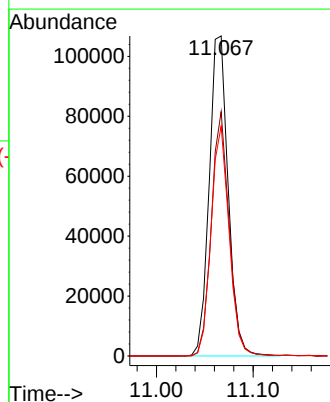
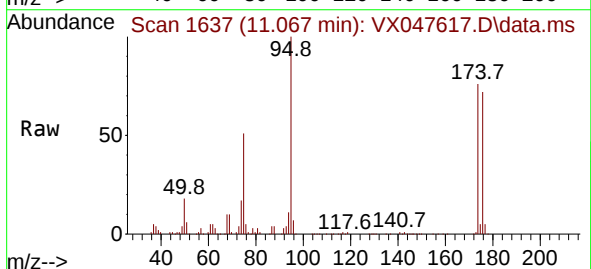
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

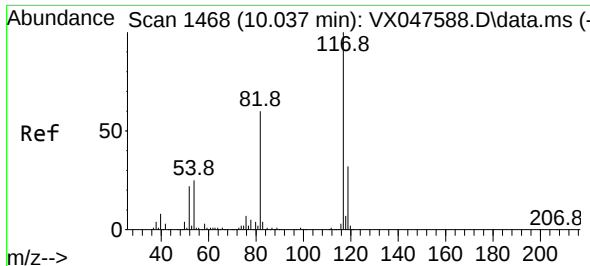
Tgt Ion: 63 Resp: 127
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 50.724 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Tgt Ion: 95 Resp: 145431
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 68.6 0.0 138.4

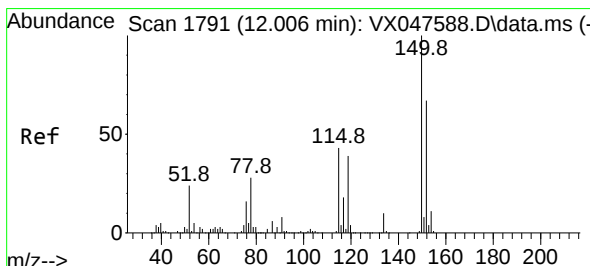
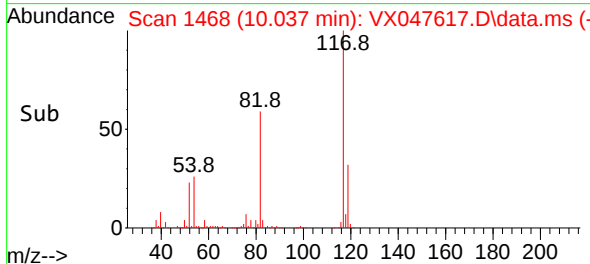
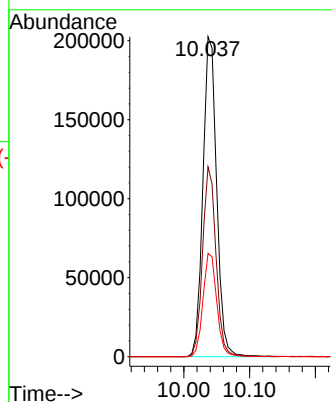
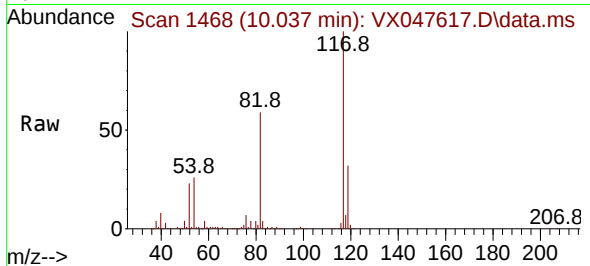




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

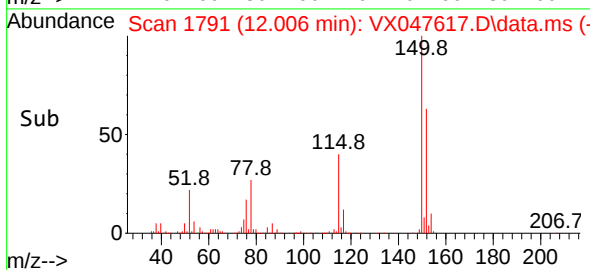
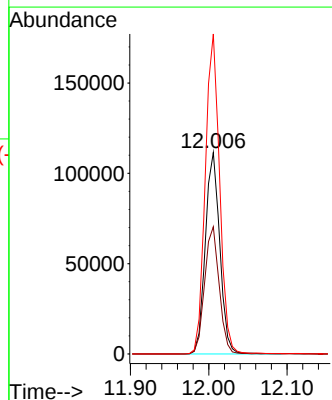
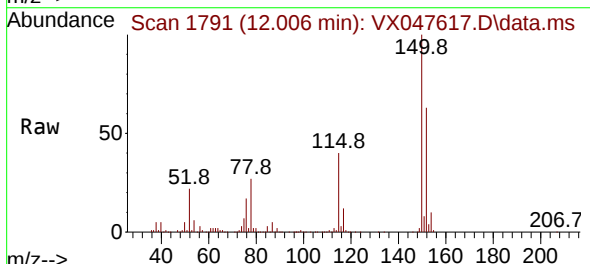
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

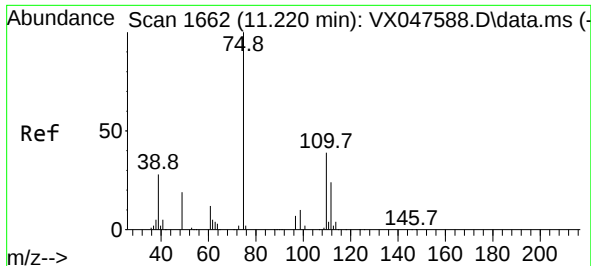
Tgt Ion:117 Resp: 293744
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.6
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Tgt Ion:152 Resp: 142502
Ion Ratio Lower Upper
152 100
115 63.9 44.9 134.5
150 158.2 0.0 352.0

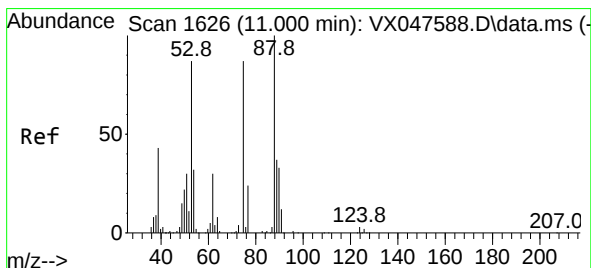
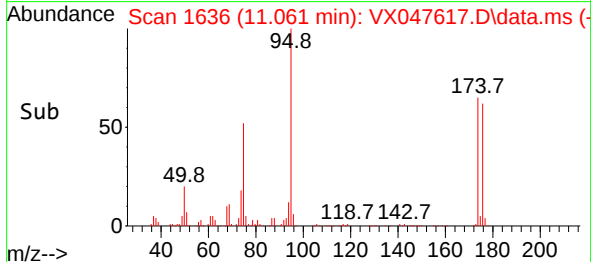
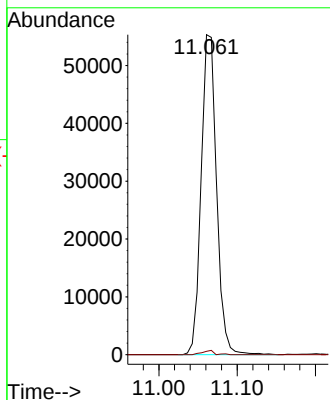
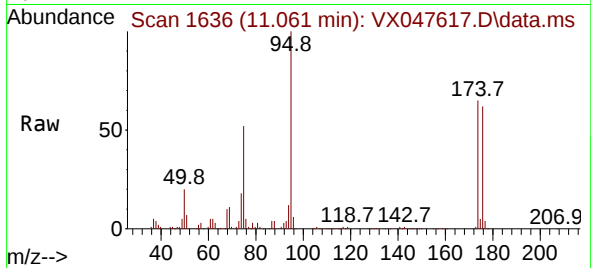




#76
1,2,3-Trichloropropane
Concen: 26.205 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion: 75 Resp: 75606
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.825 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047617.D
Acq: 17 Sep 2025 14:48

Tgt Ion: 75 Resp: 75606
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

