

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047976.D
 Acq On : 02 Oct 2025 17:56
 Operator : JC/MD
 Sample : Q3194-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW11-MW01S-20250922

Quant Time: Oct 03 03:34:55 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)

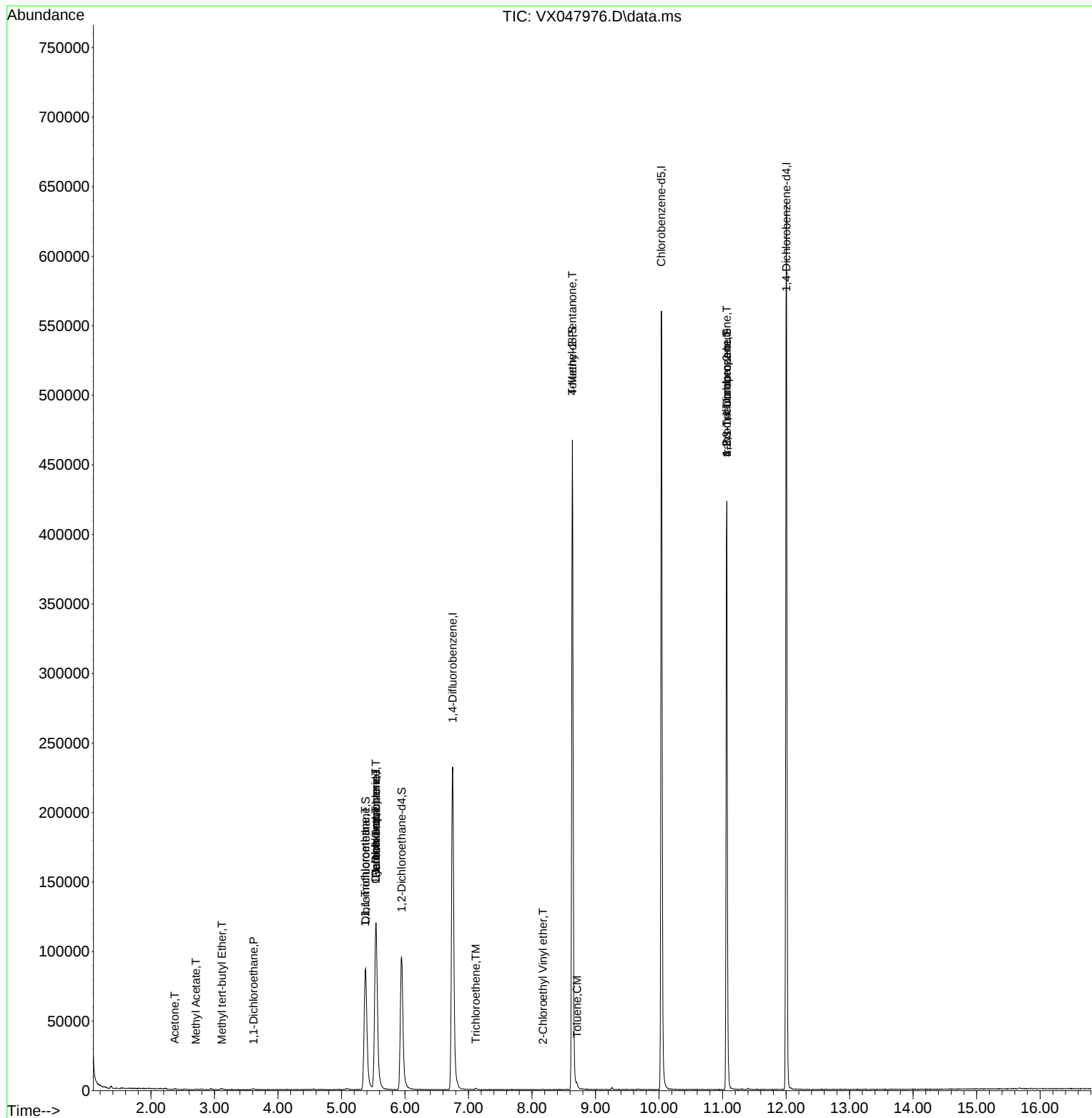
Internal Standards						
1) Pentafluorobenzene	5.544	168	119521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	250300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105665	55.541	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.080%
35) Dibromofluoromethane	5.379	113	84455	50.311	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.620%
50) Toluene-d8	8.634	98	283891	48.875	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.760%
62) 4-Bromofluorobenzene	11.067	95	120098	54.481	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.960%
Target Compounds					Qvalue	
16) Acetone	2.373	43	861	1.041	ug/l #	75
18) Methyl Acetate	2.709	43	387	0.210	ug/l #	54
19) Methyl tert-butyl Ether	3.117	73	1131	0.218	ug/l #	85
24) 1,1-Dichloroethane	3.617	63	1112	0.368	ug/l #	81
31) Cyclohexane	5.537	56	2765	1.100	ug/l #	3
32) 1,1,1-Trichloroethane	5.373	97	566	0.219	ug/l #	24
36) 1,1-Dichloropropene	5.537	75	10166	4.144	ug/l #	51
38) Carbon Tetrachloride	5.544	117	12914	4.846	ug/l #	17
44) Trichloroethene	7.116	130	453	0.252	ug/l	77
51) 4-Methyl-2-Pentanone	8.634	43	1386	0.580	ug/l #	1
52) Toluene	8.708	92	1281	0.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.171	63	217	8.057	ug/l #	47
76) 1,2,3-Trichloropropane	11.067	75	65394	24.599	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	65394	62.730	ug/l #	8

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

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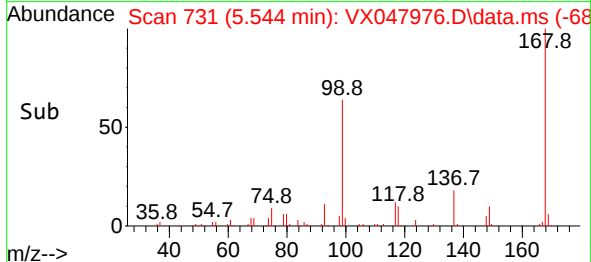
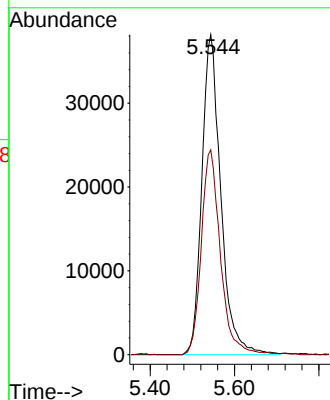
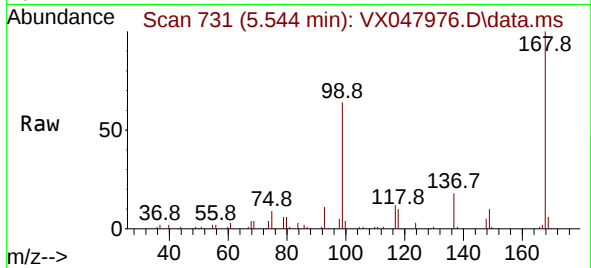




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

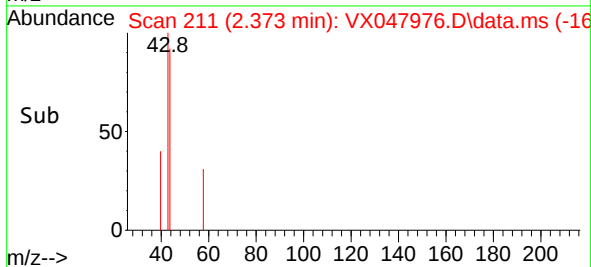
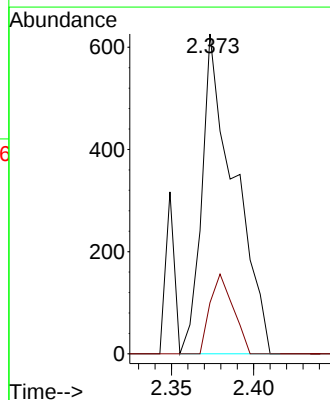
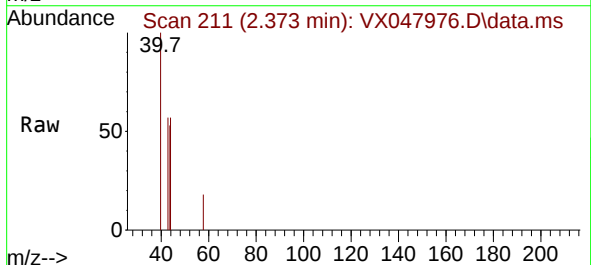
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

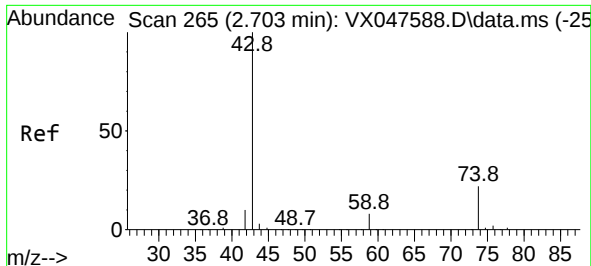
Tgt Ion:168 Resp: 119521
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2



#16
Acetone
Concen: 1.041 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 16.0 23.4 35.0#

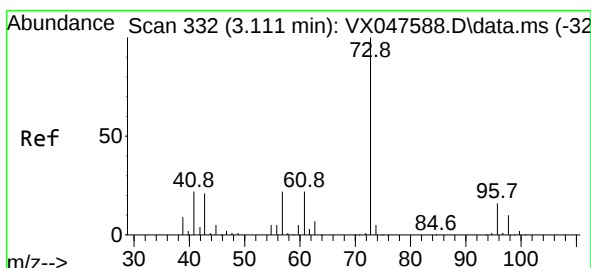
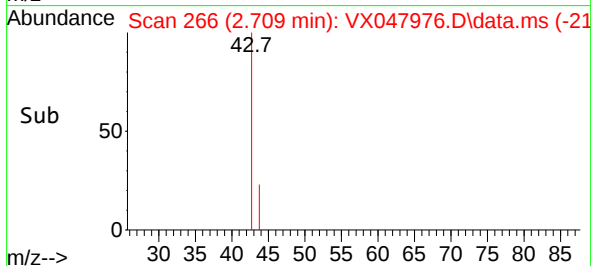
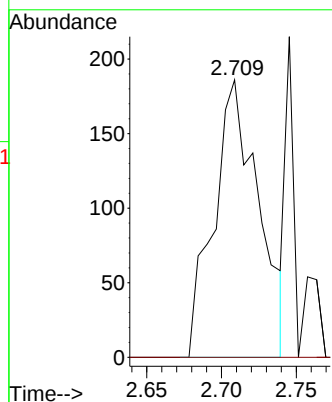
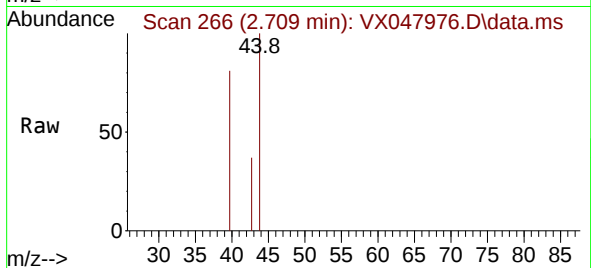




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

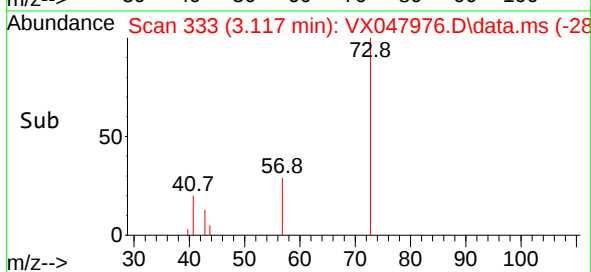
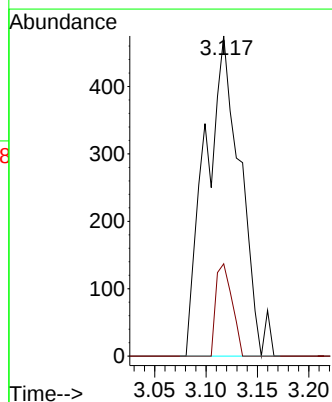
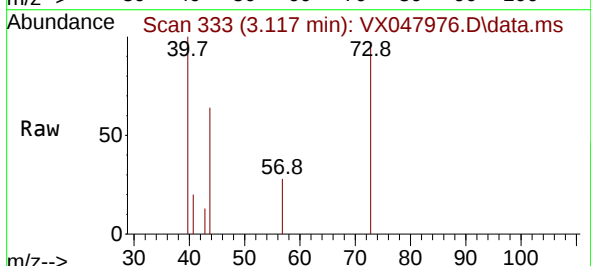
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

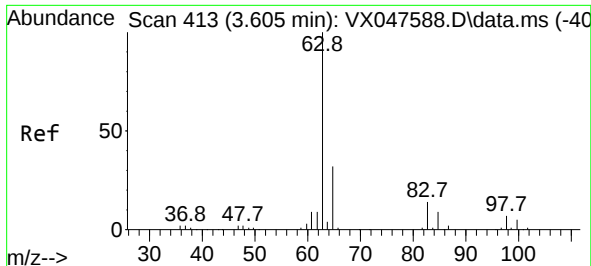
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 0.218 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 73 Resp: 1131
Ion Ratio Lower Upper
73 100
57 28.8 17.4 26.2#

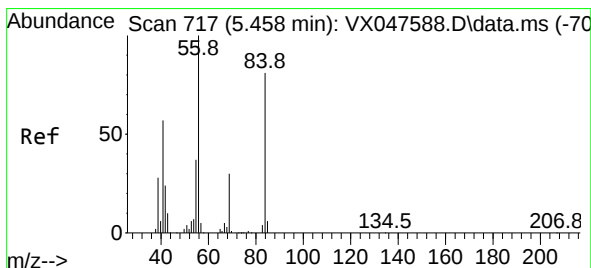
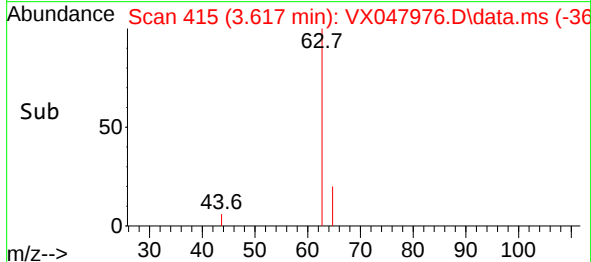
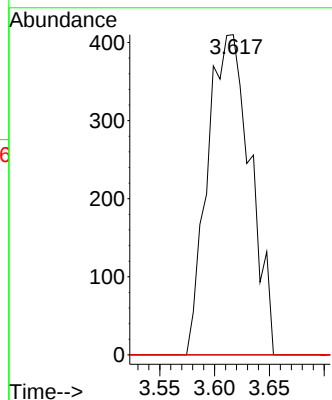
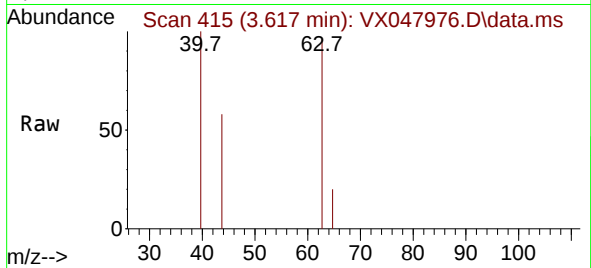




#24
1,1-Dichloroethane
Concen: 0.368 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

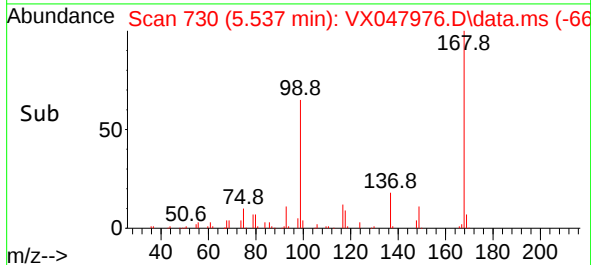
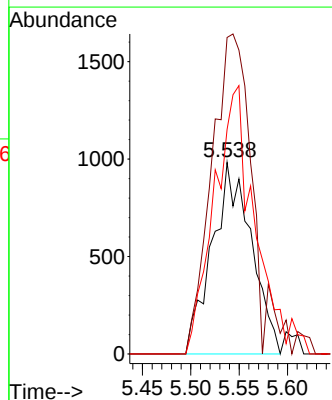
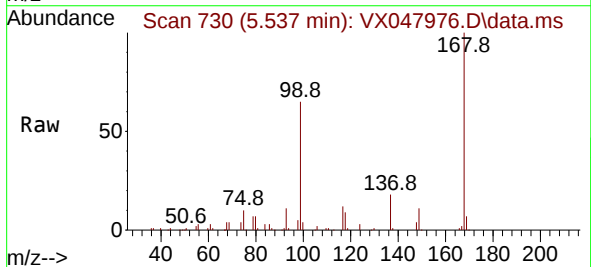
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

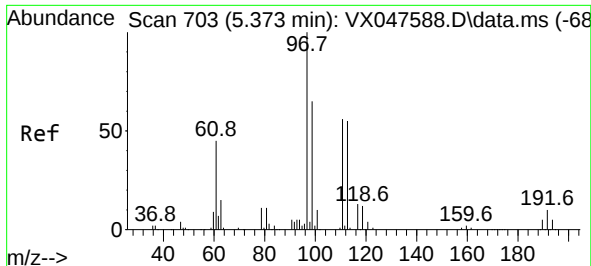
Tgt Ion: 63 Resp: 1112
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 56 Resp: 2765
Ion Ratio Lower Upper
56 100
69 165.2 23.8 35.8#
84 117.2 64.6 97.0#





#32

1,1,1-Trichloroethane

Concen: 0.219 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047976.D

Acq: 02 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

RW11-MW01S-20250922

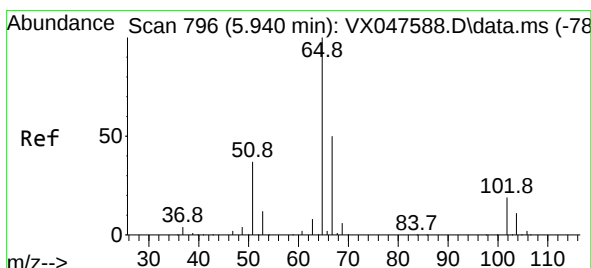
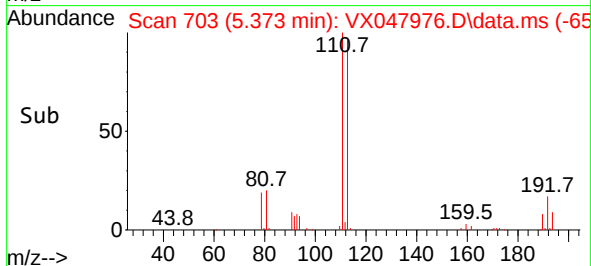
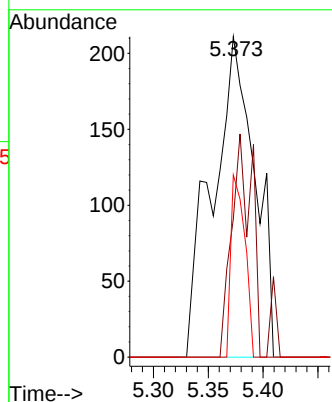
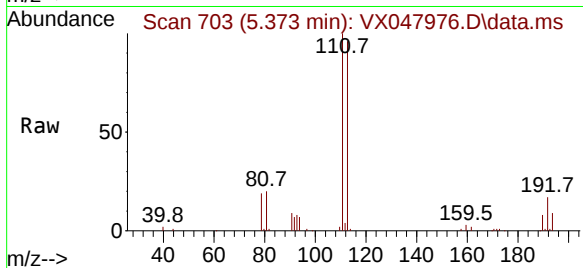
Tgt Ion: 97 Resp: 566

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 0.0 35.8 53.8#



#33

1,2-Dichloroethane-d4

Concen: 55.541 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047976.D

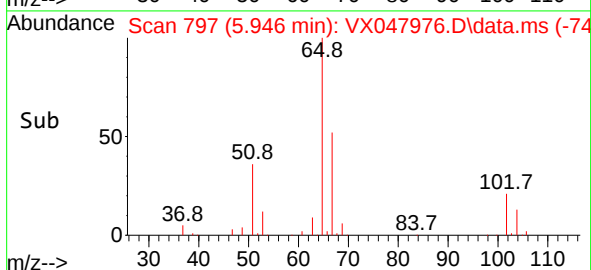
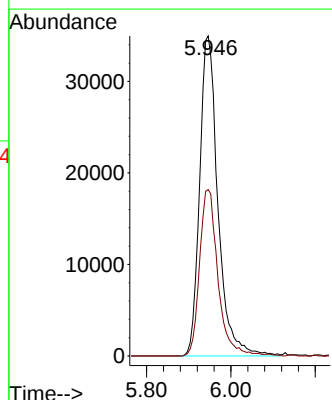
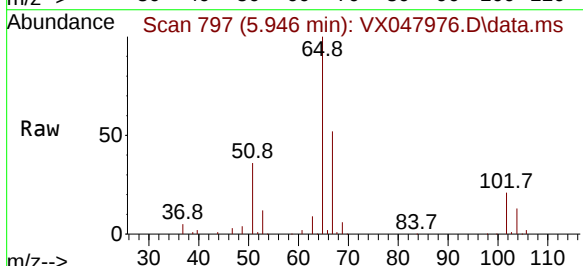
Acq: 02 Oct 2025 17:56

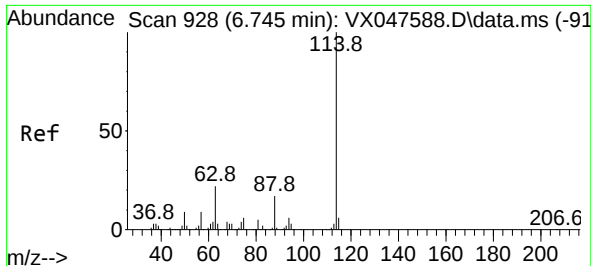
Tgt Ion: 65 Resp: 105665

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0

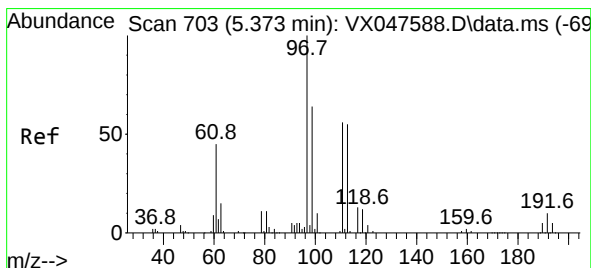
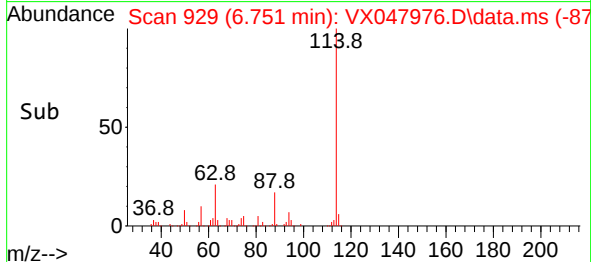
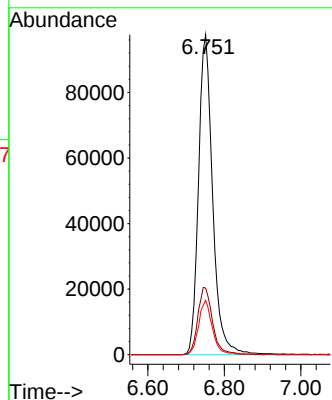
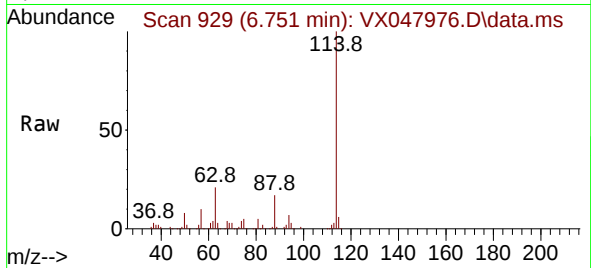




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

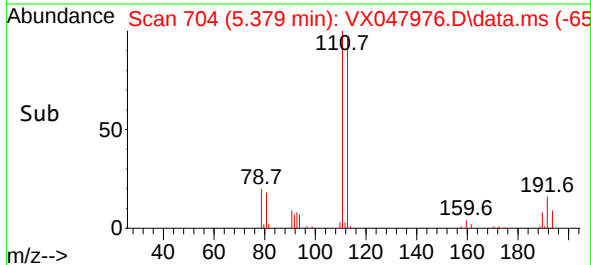
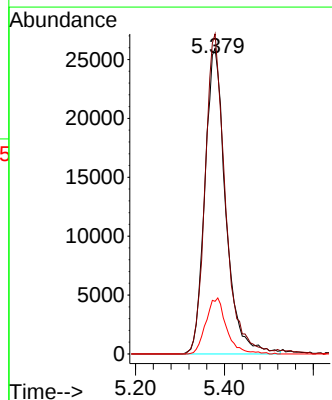
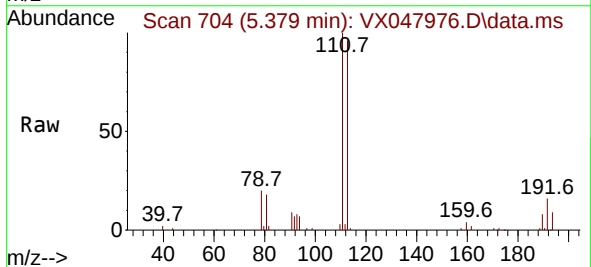
Instrument :
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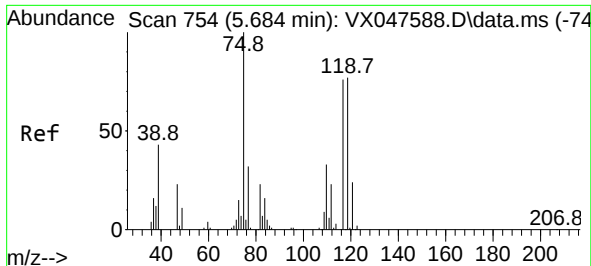
Tgt Ion:114 Resp: 250300
Ion Ratio Lower Upper
114 100
63 20.8 0.0 44.0
88 17.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.311 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

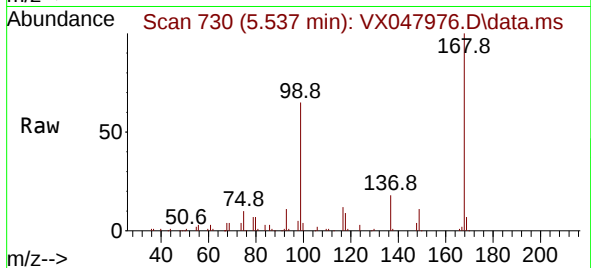
Tgt Ion:113 Resp: 84455
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 18.2 14.2 21.4



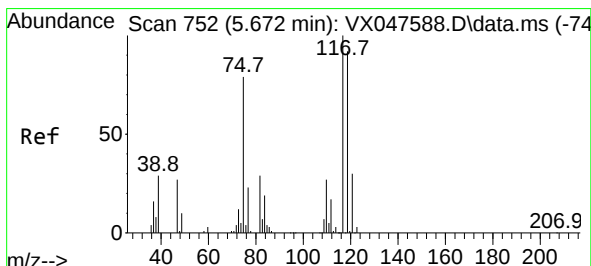
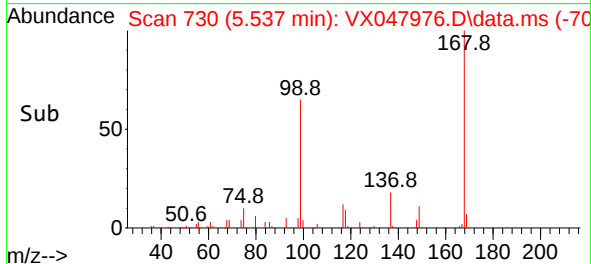
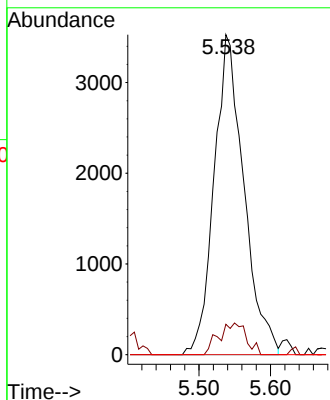


#36
1,1-Dichloropropene
Concen: 4.144 ug/l
RT: 5.537 min Scan# 710
Delta R.T. -0.147 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Instrument :
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ClientSampleId :
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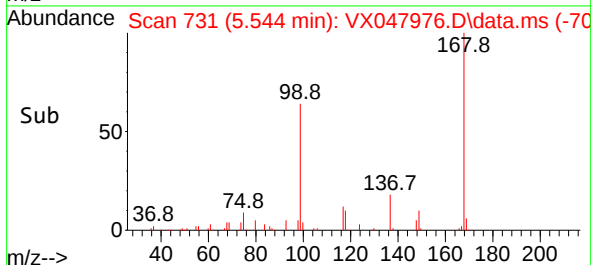
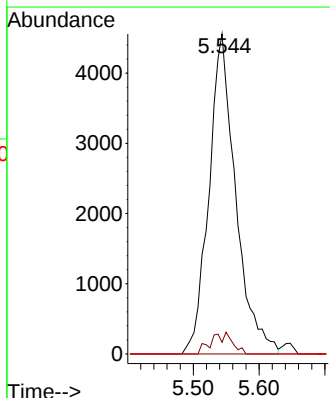
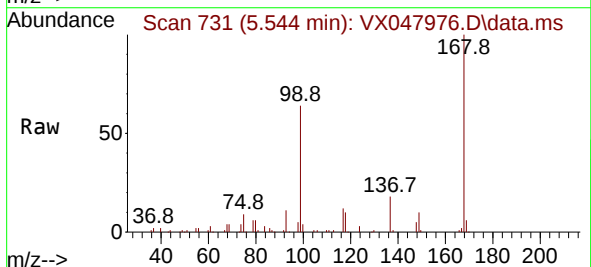


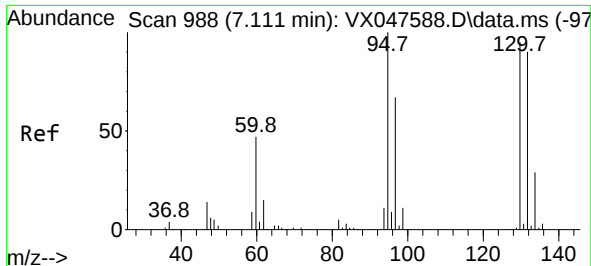
Tgt Ion: 75 Resp: 10166
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.846 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 117 Resp: 12914
Ion Ratio Lower Upper
117 100
119 3.6 73.4 110.2#
121 0.0 23.8 35.6#

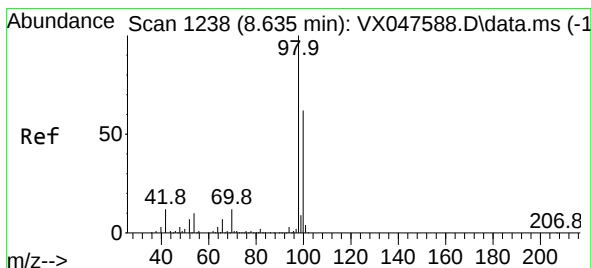
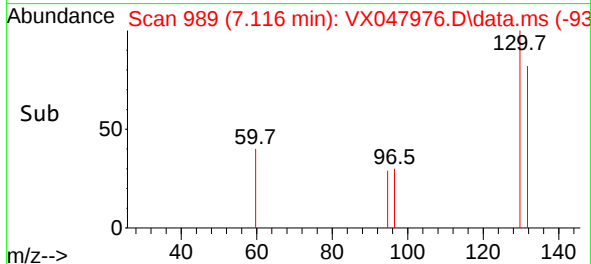
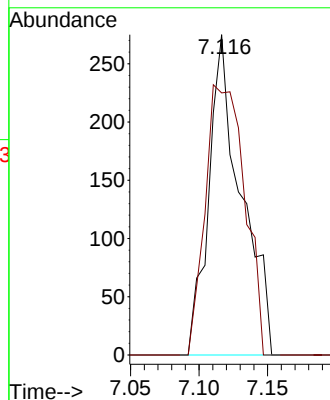
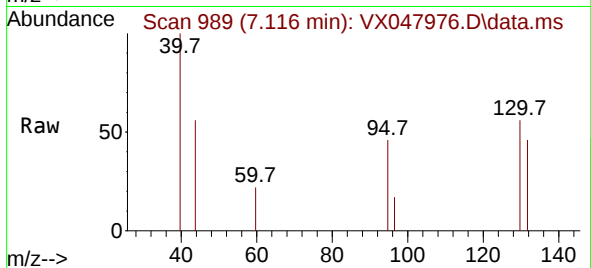




#44
Trichloroethene
Concen: 0.252 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

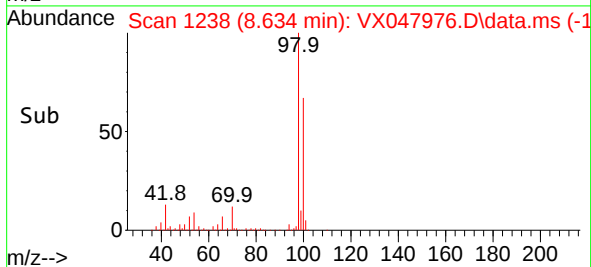
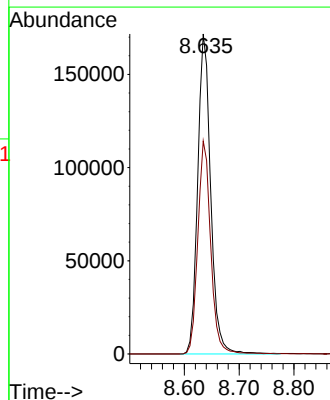
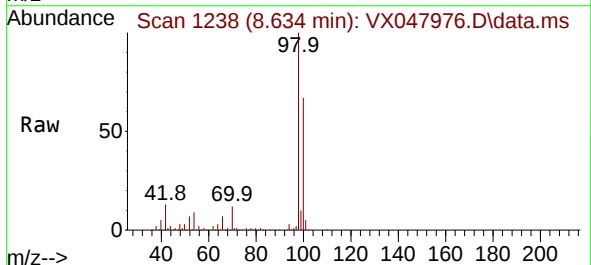
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

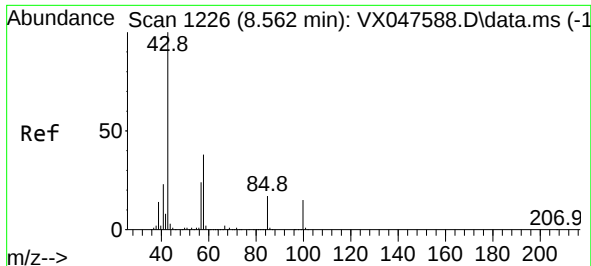
Tgt Ion:130 Resp: 453
Ion Ratio Lower Upper
130 100
95 81.8 0.0 210.8



#50
Toluene-d8
Concen: 48.875 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 98 Resp: 283891
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

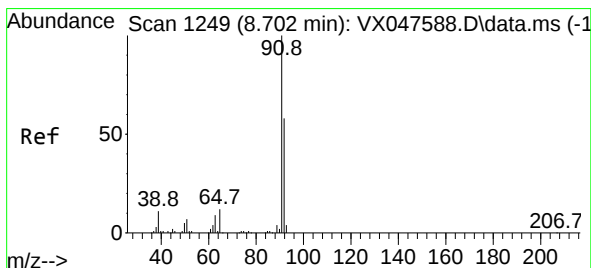
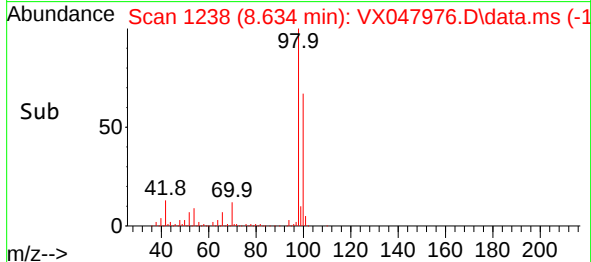
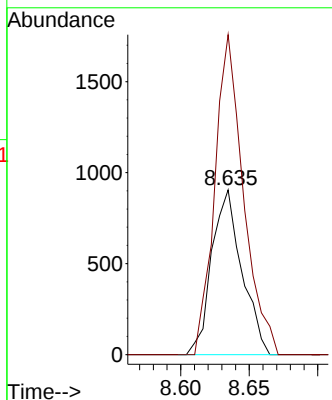
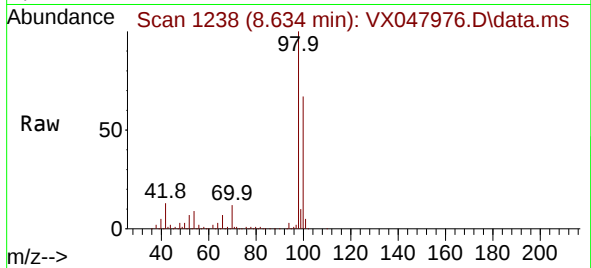




#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.634 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

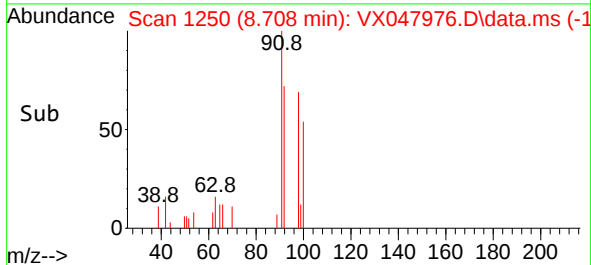
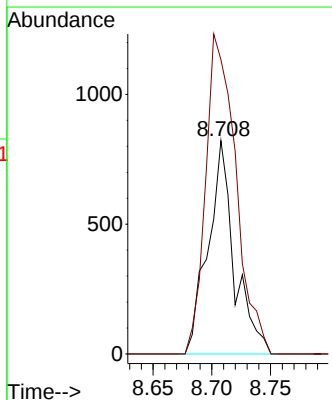
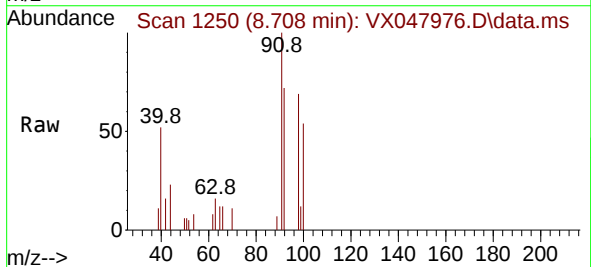
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

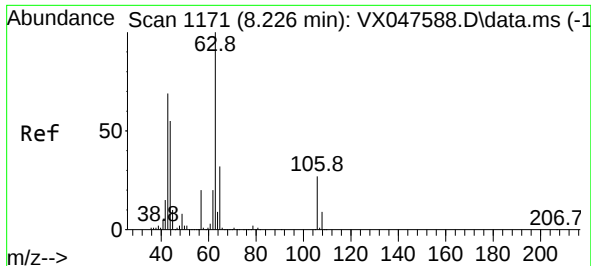
Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
58 184.6 30.3 45.5#



#52
Toluene
Concen: 0.279 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 92 Resp: 1281
Ion Ratio Lower Upper
92 100
91 172.3 137.1 205.7

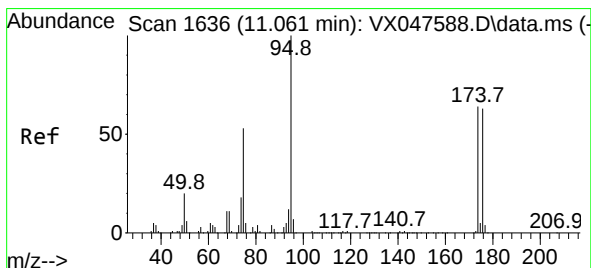
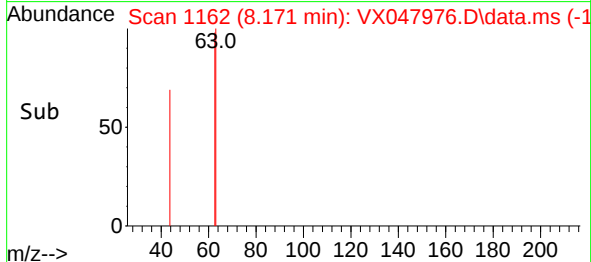
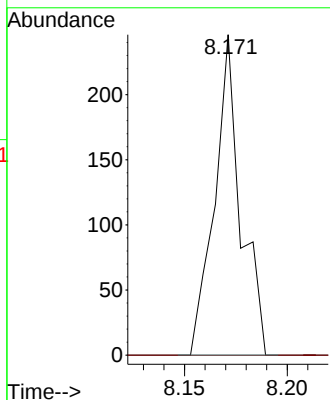
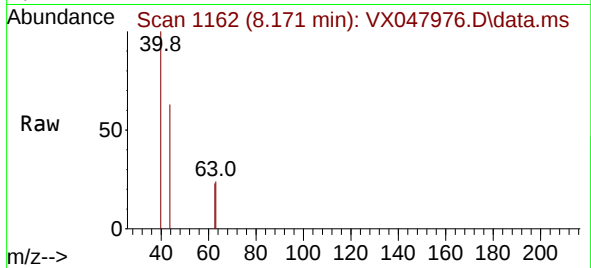




#58
2-Chloroethyl Vinyl ether
Concen: 8.057 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.055 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

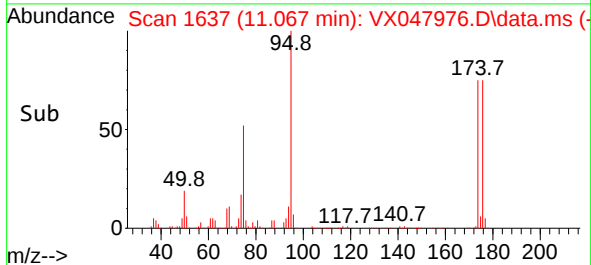
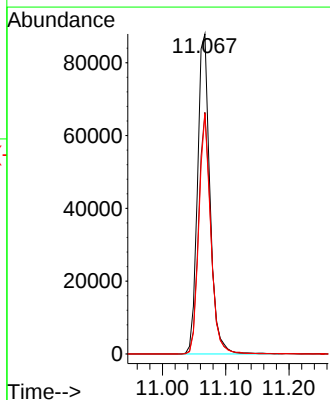
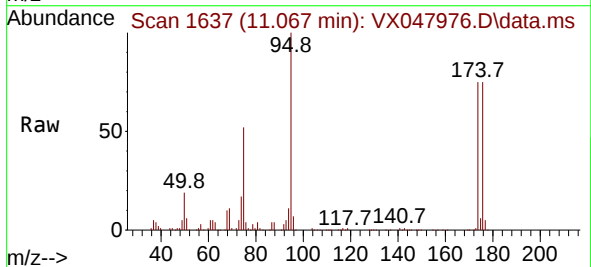
Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

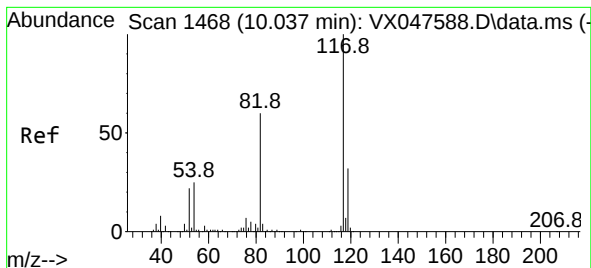
Tgt Ion: 63 Resp: 217
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 54.481 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 95 Resp: 120098
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.6
176 71.8 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: VX047976.D

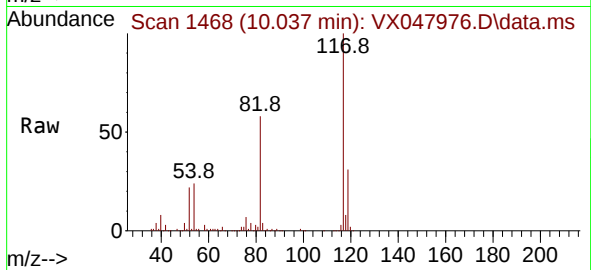
Acq: 02 Oct 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

RW11-MW01S-20250922



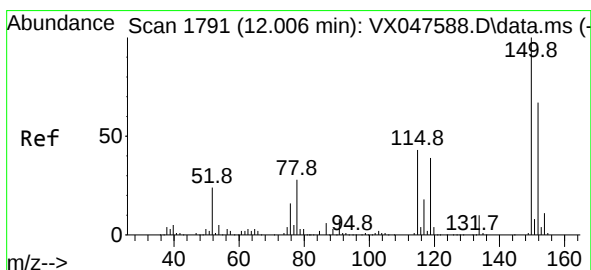
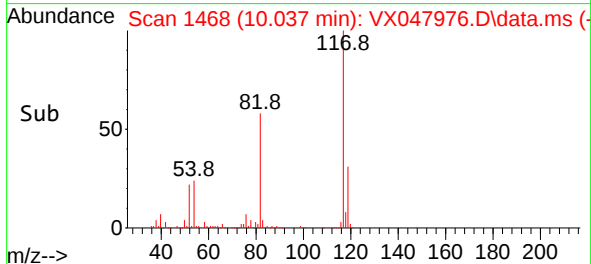
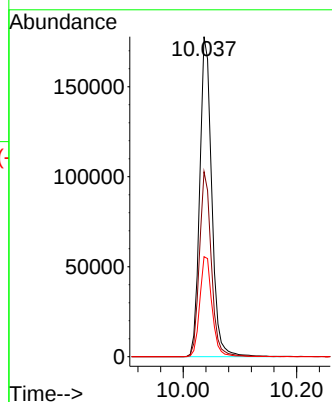
Tgt Ion:117 Resp: 260092

Ion	Ratio	Lower	Upper
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117	100		
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82	57.8	47.8	71.6
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119	31.3	25.2	37.8
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047976.D

Acq: 02 Oct 2025 17:56

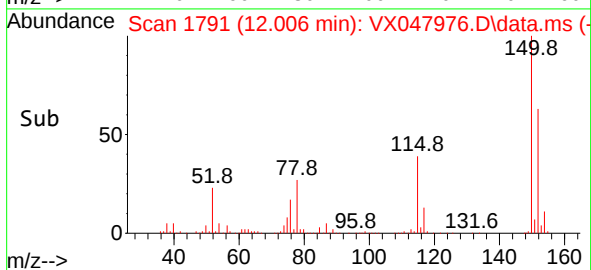
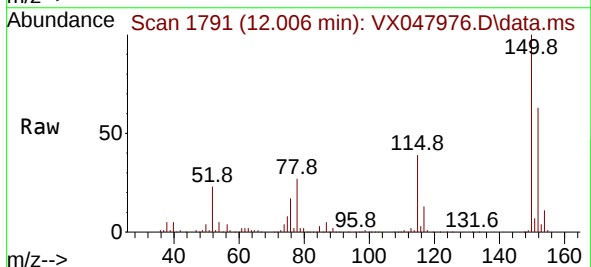
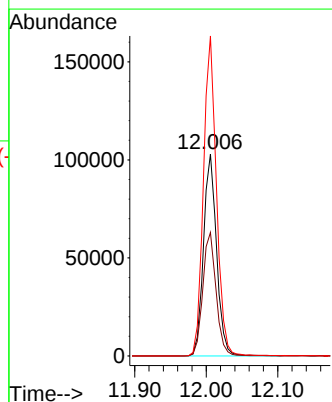
Tgt Ion:152 Resp: 131301

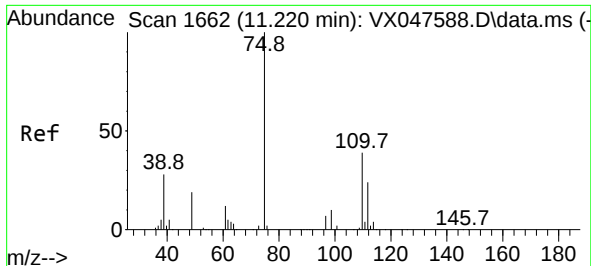
Ion	Ratio	Lower	Upper
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152	100		
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115	62.1	44.9	134.5
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150	157.4	0.0	352.0
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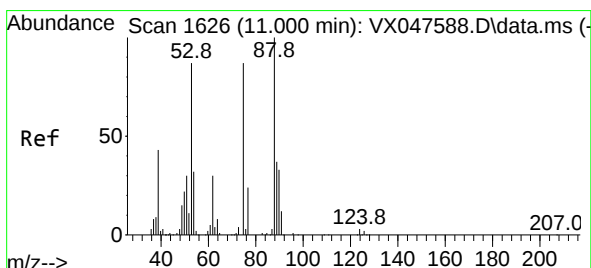
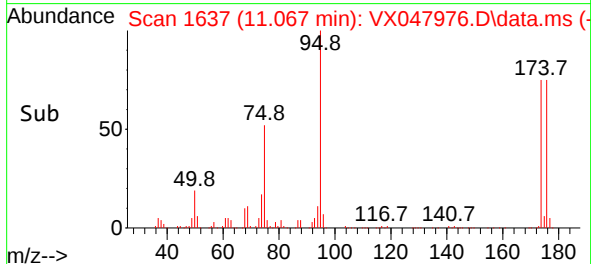
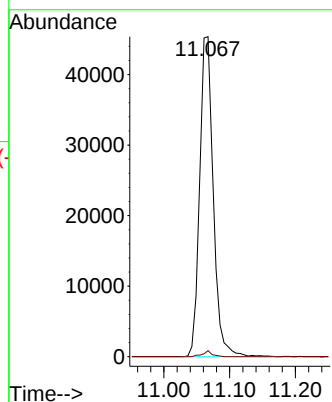
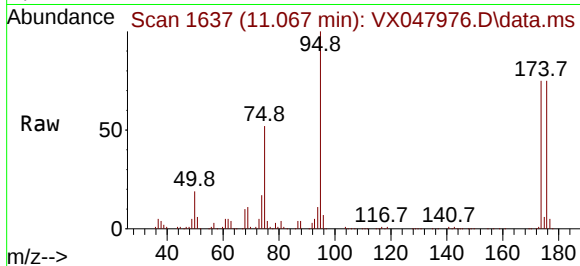




#76
1,2,3-Trichloropropane
Concen: 24.599 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250922

Tgt Ion: 75 Resp: 65394
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.730 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047976.D
Acq: 02 Oct 2025 17:56

Tgt Ion: 75 Resp: 65394
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

