

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047622.D
 Acq On : 17 Sep 2025 16:34
 Operator : JC/MD
 Sample : Q3095-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20250909

Quant Time: Sep 22 03:10:03 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)

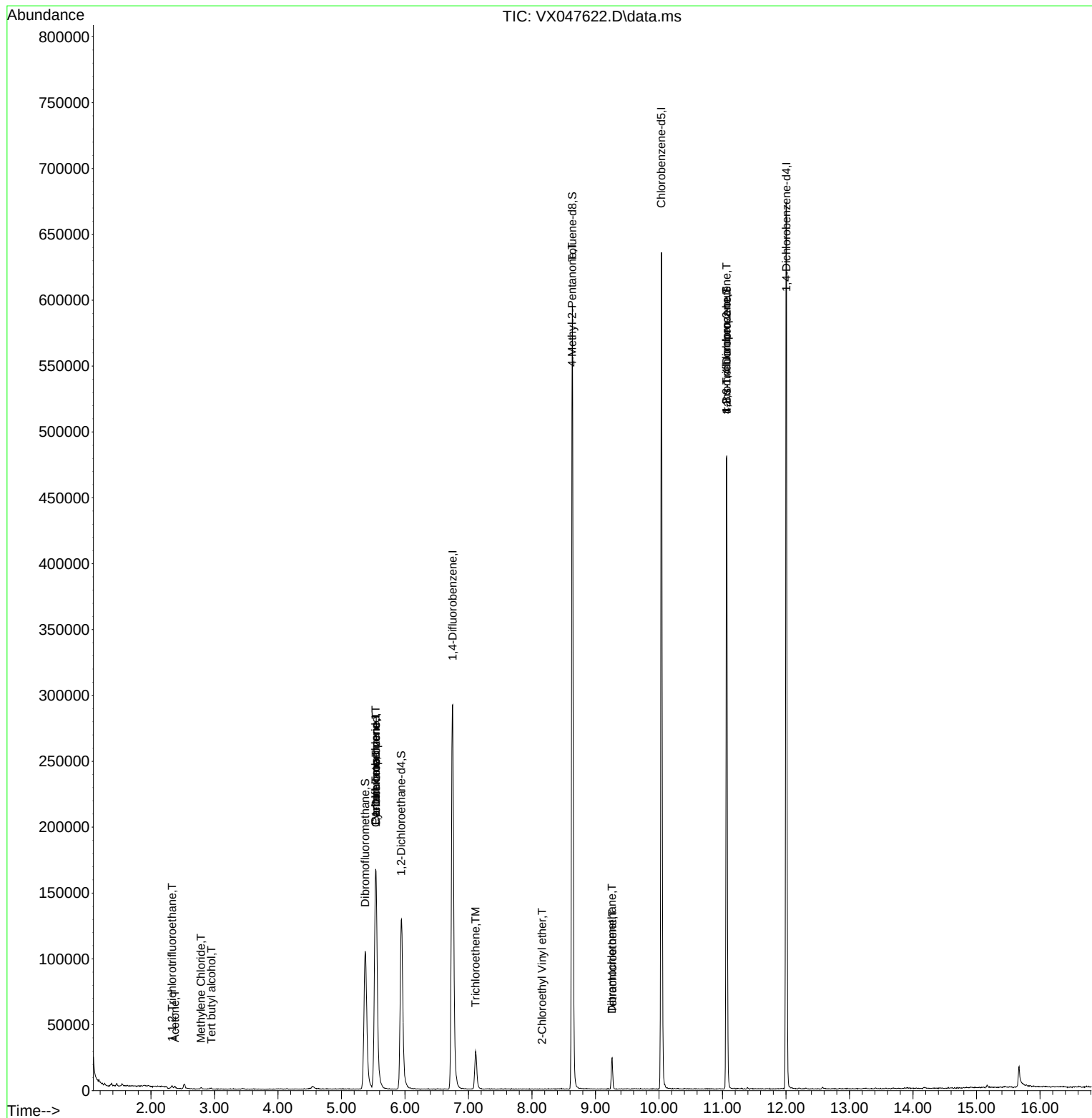
Internal Standards						
1) Pentafluorobenzene	5.538	168	170825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	321222	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143191	52.661	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.320%
35) Dibromofluoromethane	5.373	113	104468	48.493	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.980%
50) Toluene-d8	8.635	98	364924	48.955	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.920%
62) 4-Bromofluorobenzene	11.061	95	143039	50.561	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.120%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	798	0.404	ug/l #	84
11) Tert butyl alcohol	2.953	59	149	0.492	ug/l #	72
16) Acetone	2.380	43	2544	2.152	ug/l #	41
20) Methylene Chloride	2.788	84	530	0.212	ug/l #	89
31) Cyclohexane	5.544	56	3970	1.105	ug/l #	8
36) 1,1-Dichloropropene	5.544	75	15001	4.765	ug/l #	44
38) Carbon Tetrachloride	5.538	117	18103	5.293	ug/l #	19
44) Trichloroethene	7.111	130	12191	5.274	ug/l	89
51) 4-Methyl-2-Pentanone	8.629	43	1802	0.588	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.159	63	106	7.955	ug/l #	47
60) Dibromochloromethane	9.257	129	4938	1.887	ug/l #	11
64) Tetrachloroethene	9.263	164	4538	2.414	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	74518	26.163	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	74518	66.718	ug/l #	8

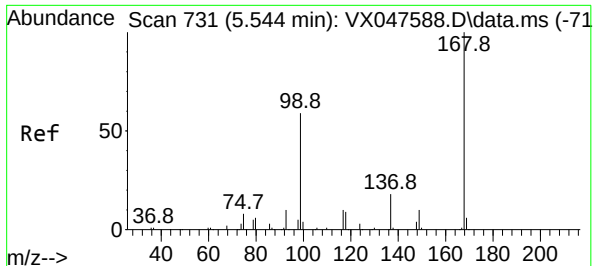
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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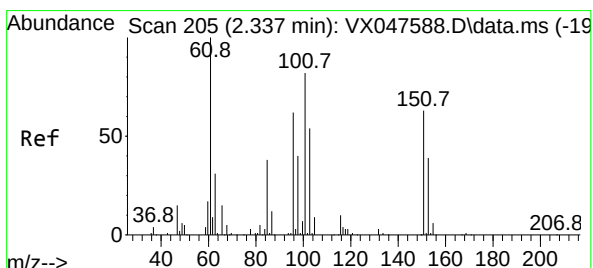
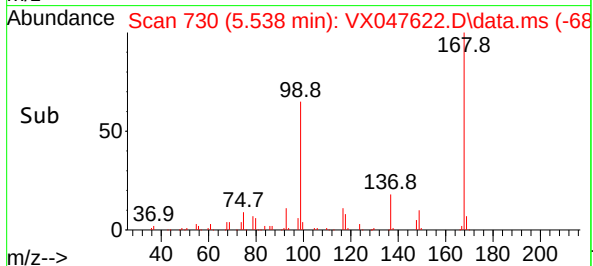
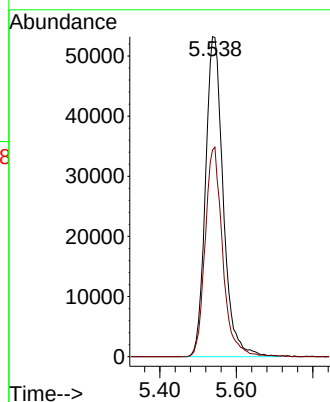
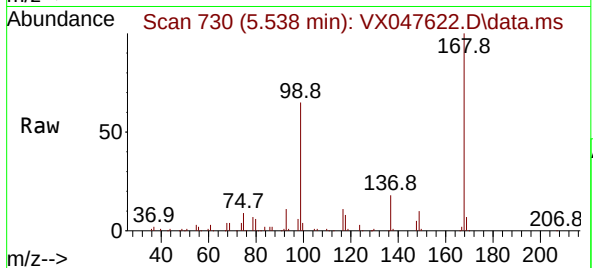




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

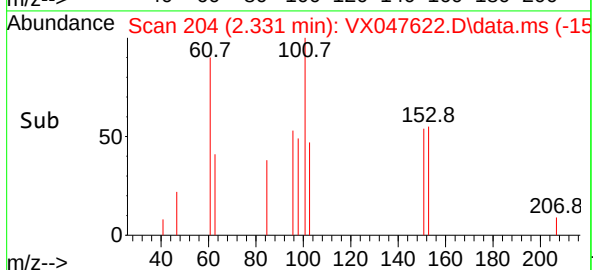
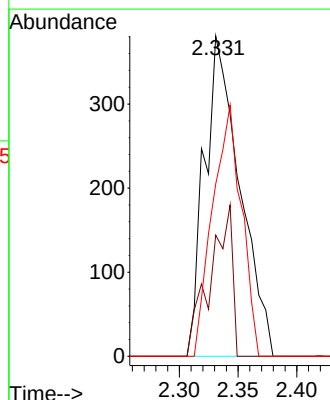
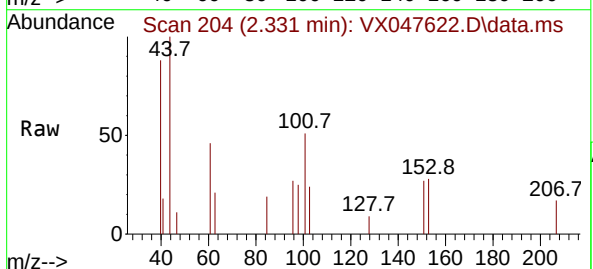
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

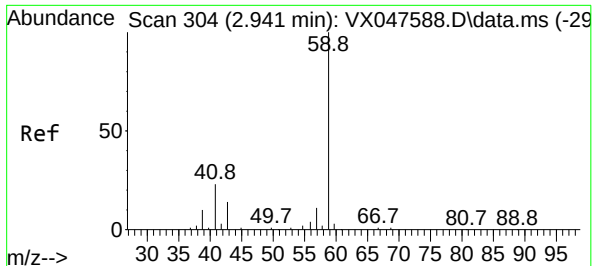
Tgt Ion:168 Resp: 170825
Ion Ratio Lower Upper
168 100
99 64.6 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.404 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion:101 Resp: 798
Ion Ratio Lower Upper
101 100
85 29.7 35.5 53.3#
151 63.9 59.4 89.0

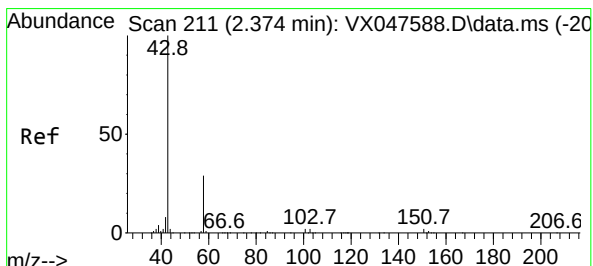
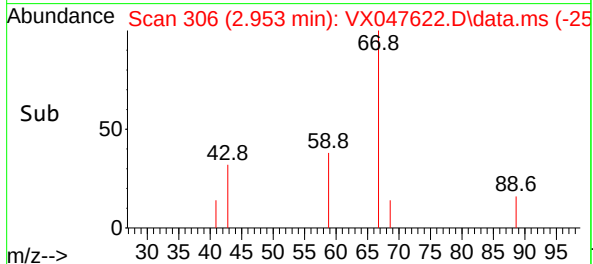
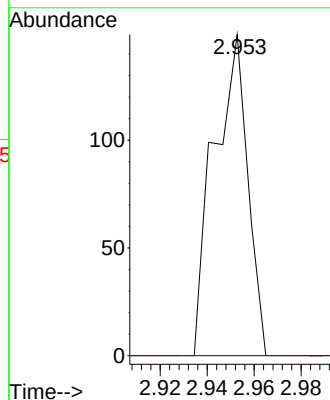
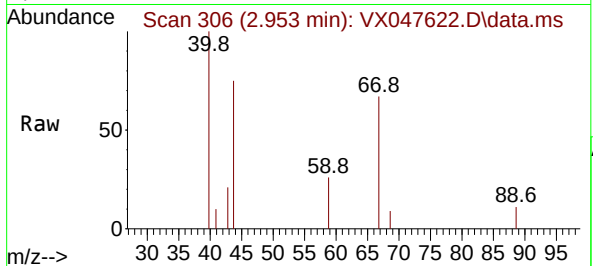




#11
Tert butyl alcohol
Concen: 0.492 ug/l
RT: 2.953 min Scan# 304
Delta R.T. 0.012 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

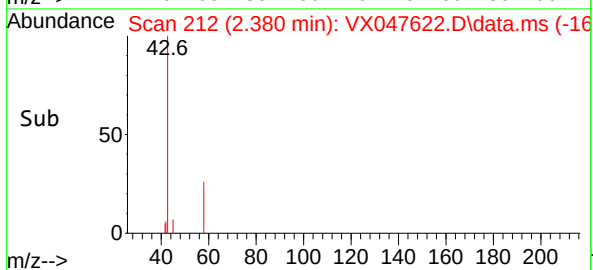
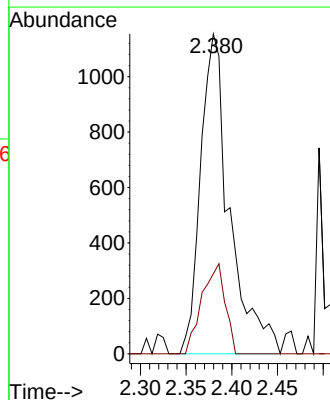
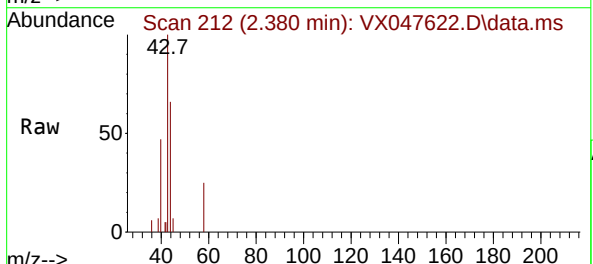
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

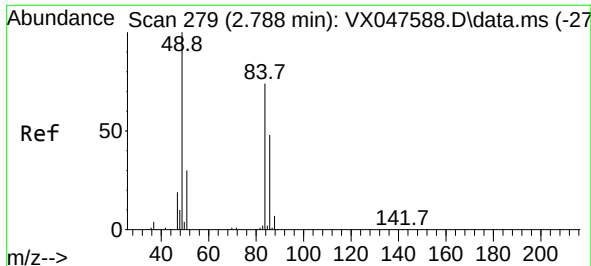
Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.152 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
58 60.6 23.4 35.0#

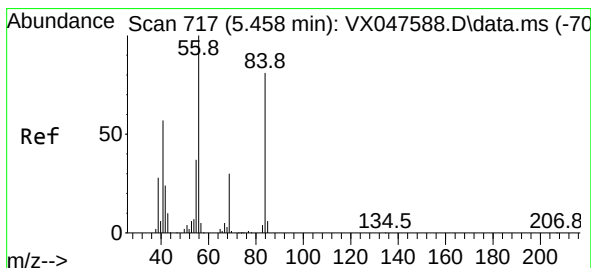
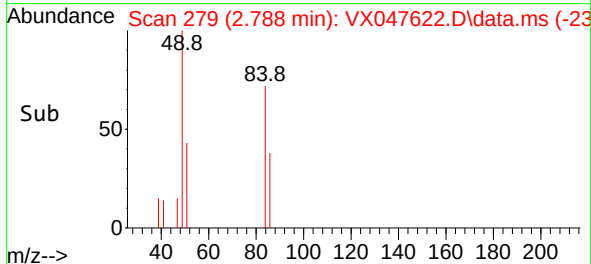
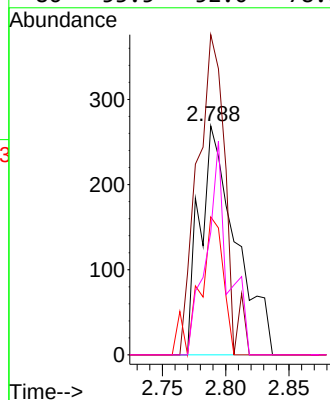
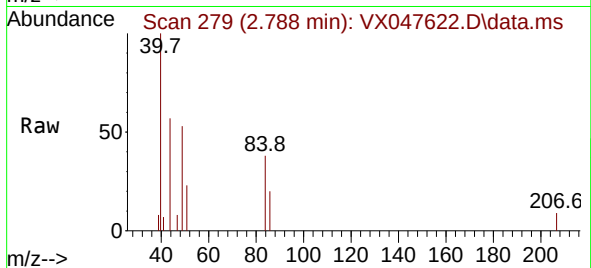




#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

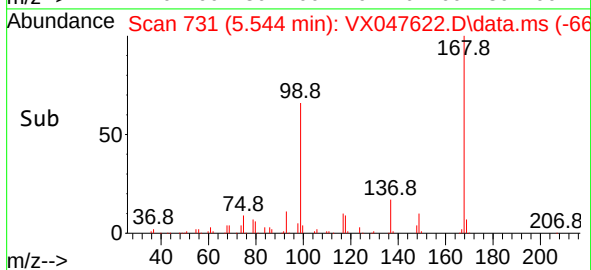
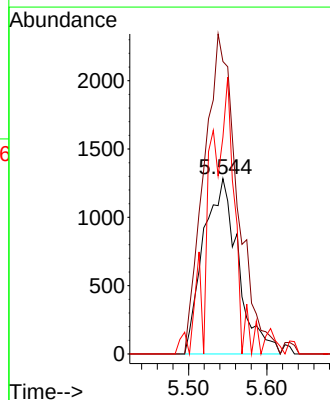
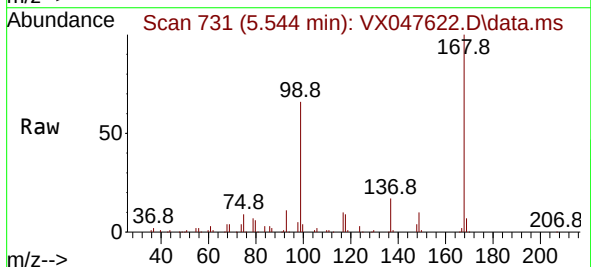
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

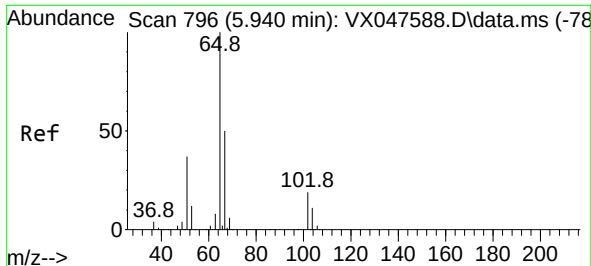
Tgt Ion:	84	Resp:	530
Ion	Ratio	Lower	Upper
84	100		
49	139.8	108.6	162.8
51	60.2	32.6	48.8#
86	53.5	52.0	78.0



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion:	56	Resp:	3970
Ion	Ratio	Lower	Upper
56	100		
69	159.1	23.8	35.8#
84	113.7	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.661 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047622.D

Acq: 17 Sep 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

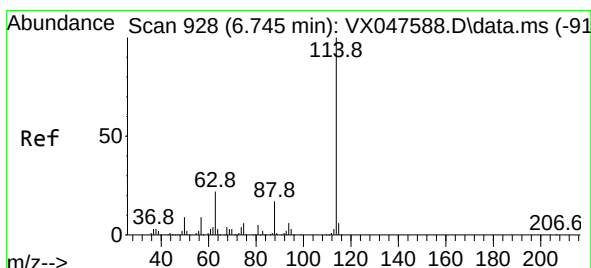
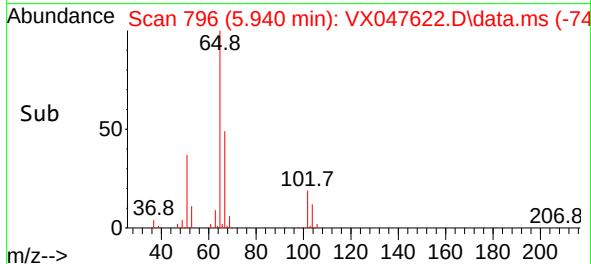
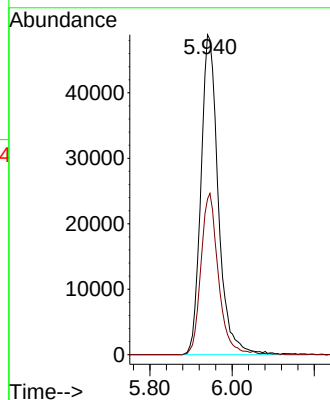
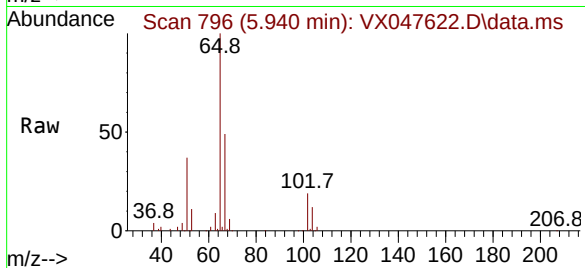
RE126D3-20250909

Tgt Ion: 65 Resp: 143191

Ion Ratio Lower Upper

65 100

67 50.6 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: VX047622.D

Acq: 17 Sep 2025 16:34

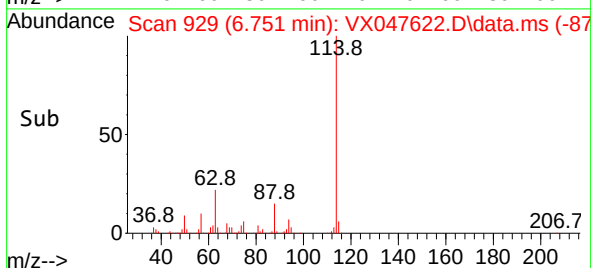
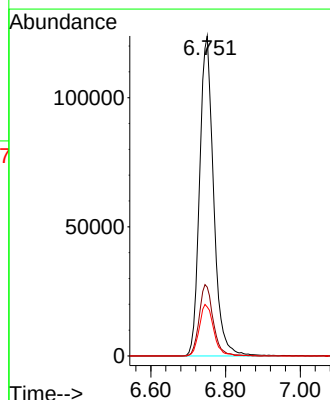
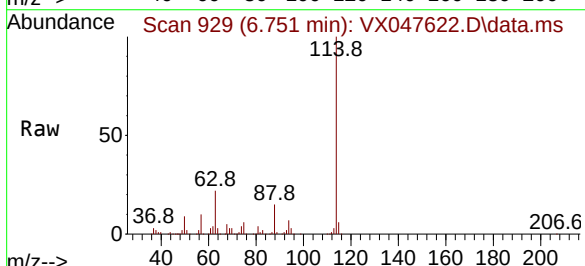
Tgt Ion: 114 Resp: 321222

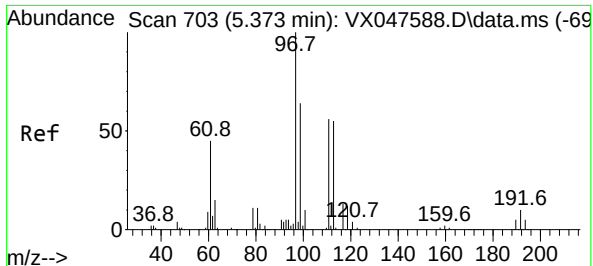
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 15.3 0.0 34.2

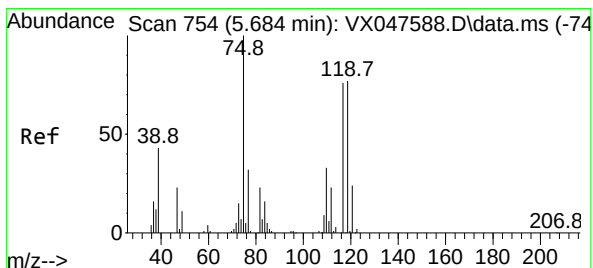
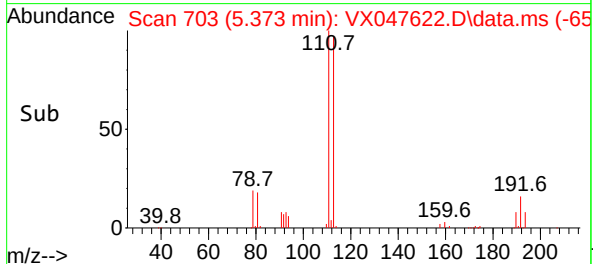
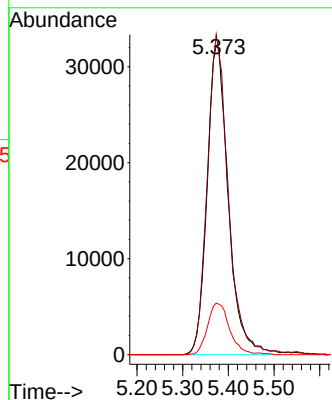
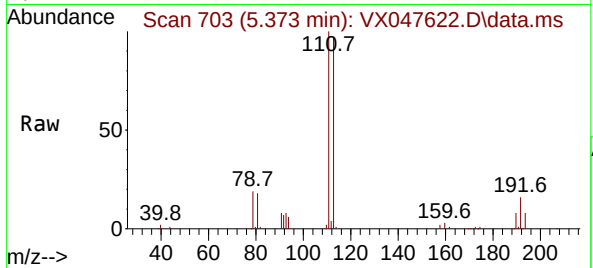




#35
Dibromofluoromethane
Concen: 48.493 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

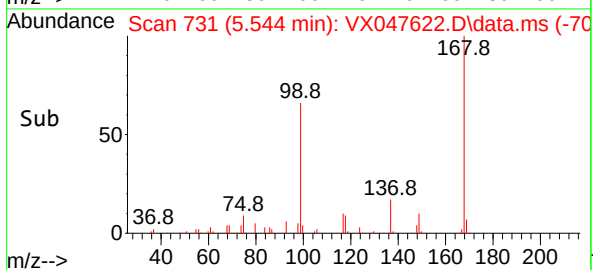
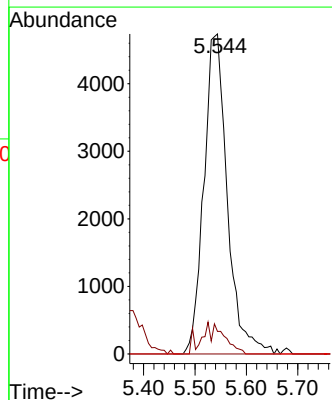
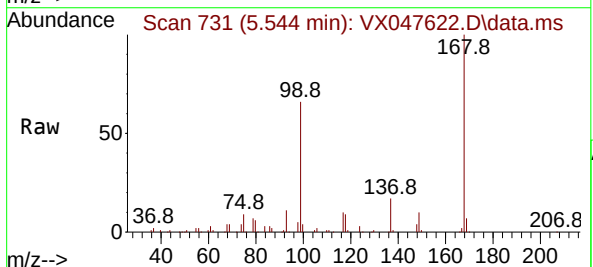
Instrument :
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ClientSampleId :
RE126D3-20250909

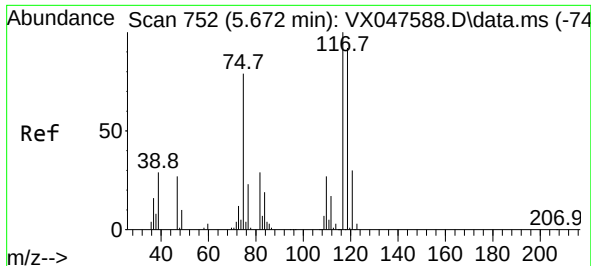
Tgt Ion:113 Resp: 104468
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 17.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

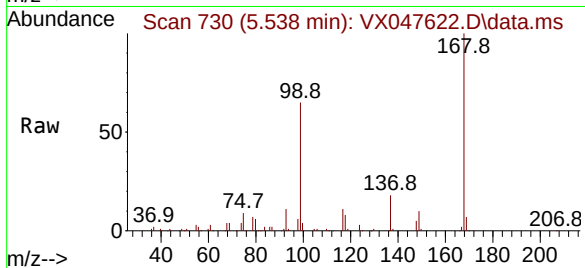
Tgt Ion: 75 Resp: 15001
Ion Ratio Lower Upper
75 100
110 1.7 16.7 50.1#
77 0.0 24.3 36.5#



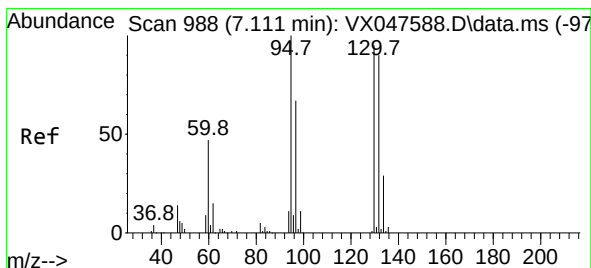
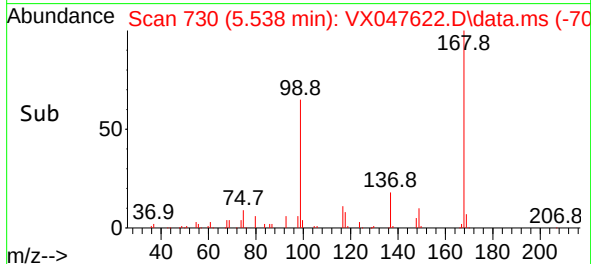
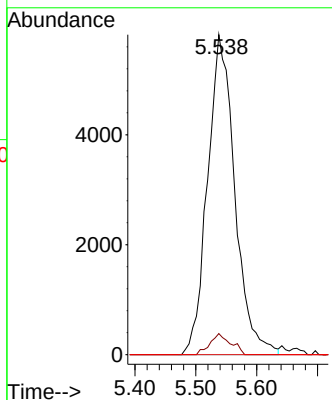


#38
Carbon Tetrachloride
Concen: 5.293 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Instrument :
MSVOA_X
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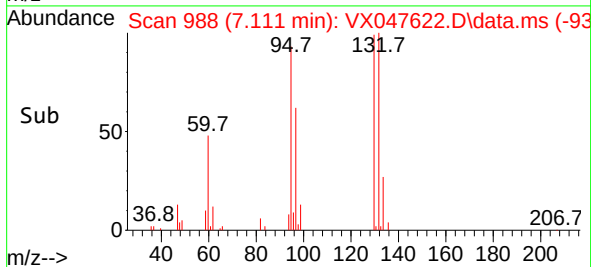
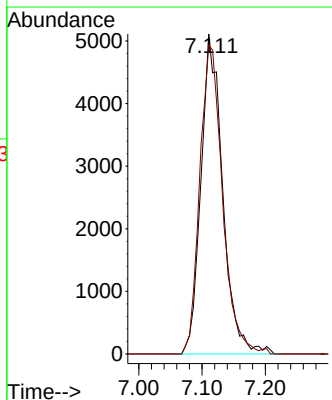
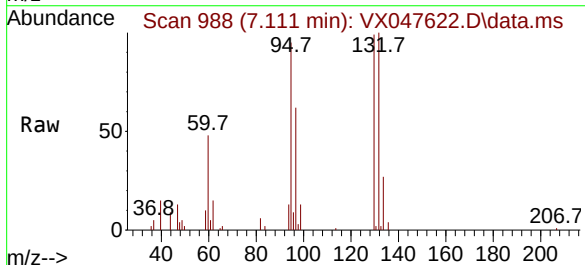


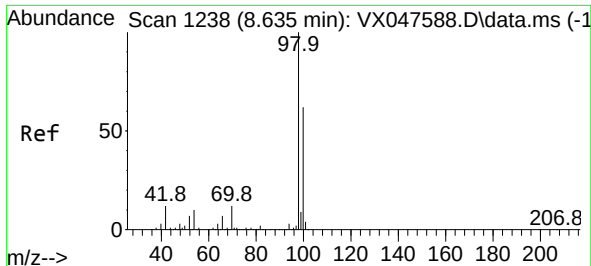
Tgt Ion:117 Resp: 18103
Ion Ratio Lower Upper
117 100
119 6.6 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 5.274 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion:130 Resp: 12191
Ion Ratio Lower Upper
130 100
95 94.2 0.0 210.8





#50

Toluene-d8

Concen: 48.955 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047622.D

Acq: 17 Sep 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

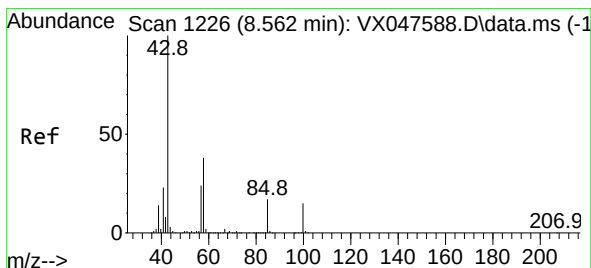
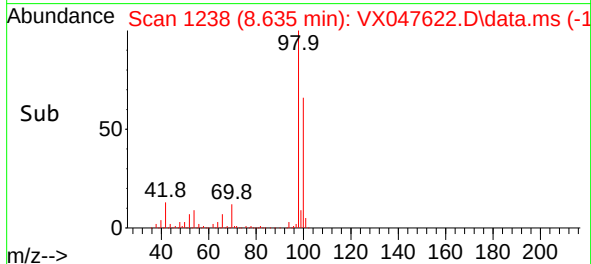
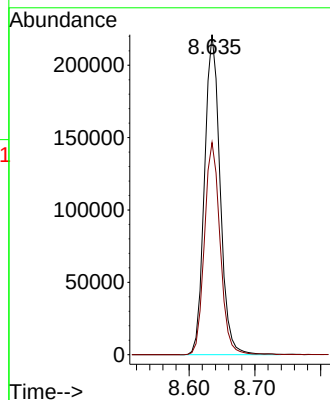
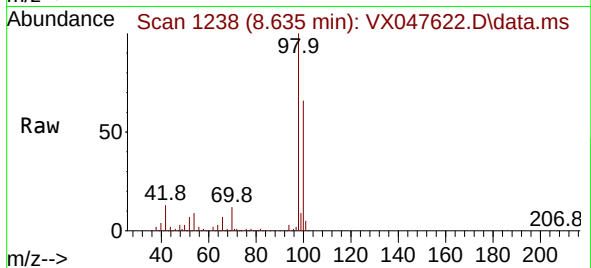
RE126D3-20250909

Tgt Ion: 98 Resp: 364924

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 0.588 ug/l

RT: 8.629 min Scan# 1237

Delta R.T. 0.067 min

Lab File: VX047622.D

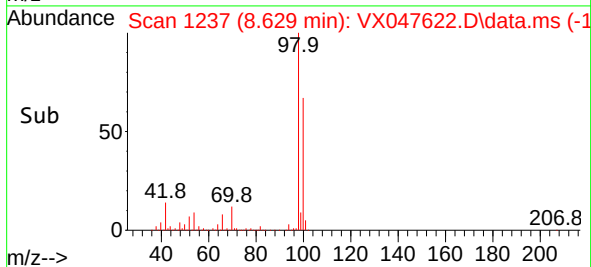
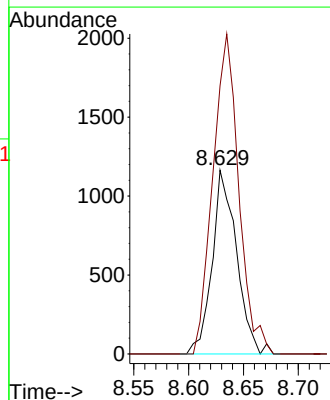
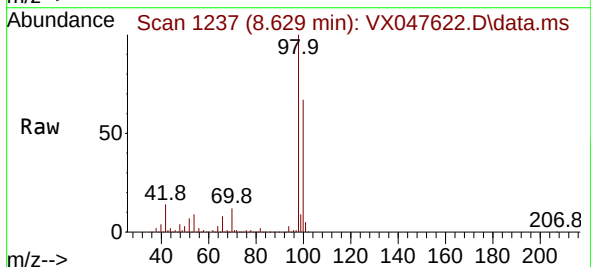
Acq: 17 Sep 2025 16:34

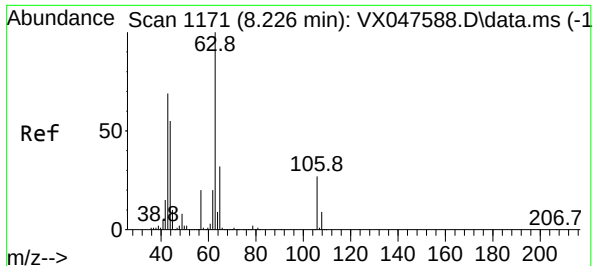
Tgt Ion: 43 Resp: 1802

Ion Ratio Lower Upper

43 100

58 185.1 30.3 45.5#

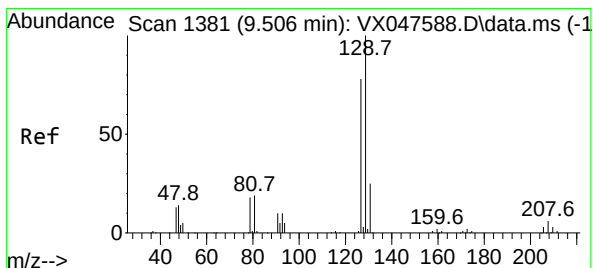
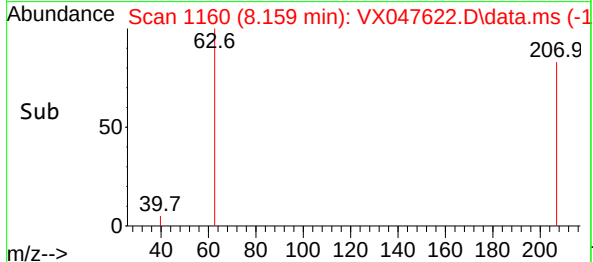
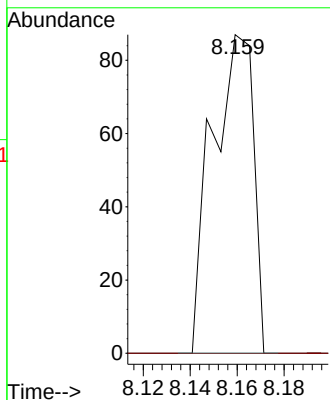
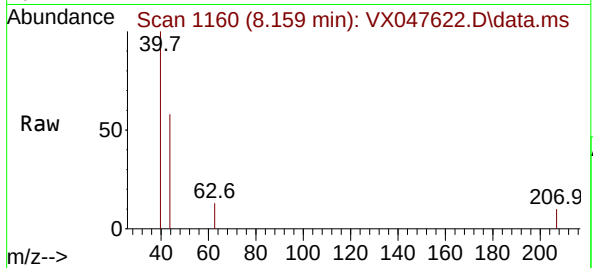




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.955 ug/l
 RT: 8.159 min Scan# 1160
 Delta R.T. -0.067 min
 Lab File: VX047622.D
 Acq: 17 Sep 2025 16:34

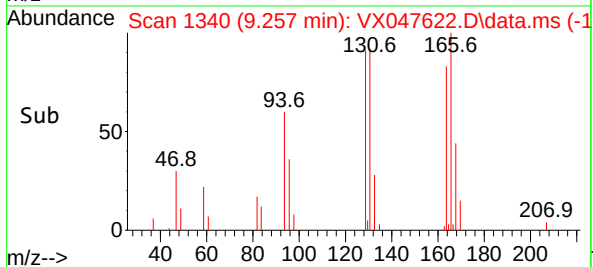
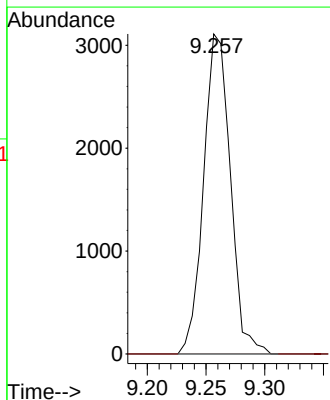
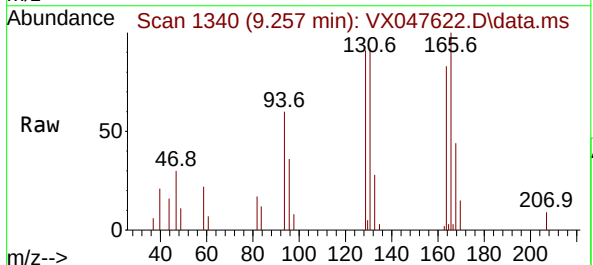
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20250909

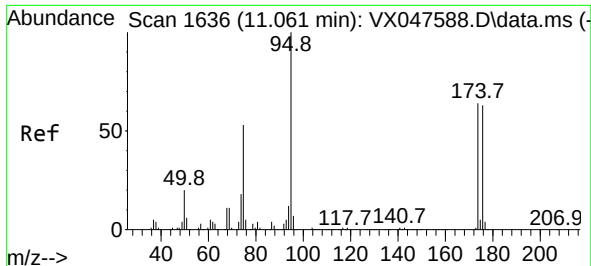
Tgt Ion: 63 Resp: 106
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.9 32.9#



#60
 Dibromochloromethane
 Concen: 1.887 ug/l
 RT: 9.257 min Scan# 1340
 Delta R.T. -0.250 min
 Lab File: VX047622.D
 Acq: 17 Sep 2025 16:34

Tgt Ion: 129 Resp: 4938
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 50.561 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047622.D

Acq: 17 Sep 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20250909

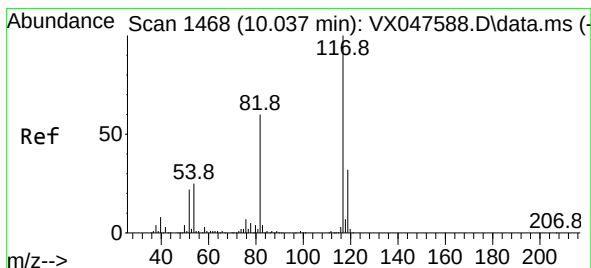
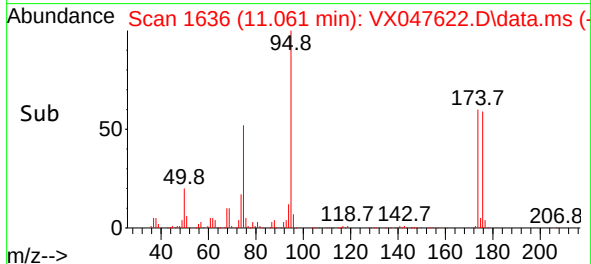
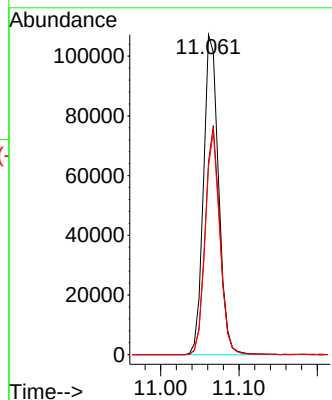
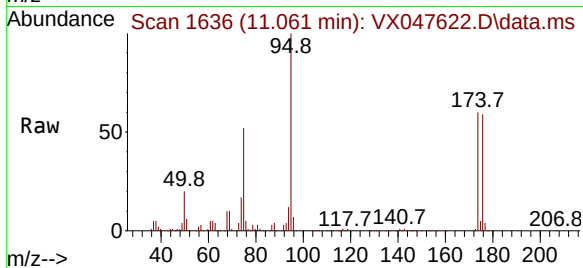
Tgt Ion: 95 Resp: 143039

Ion Ratio Lower Upper

95 100

174 69.9 0.0 141.6

176 67.6 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: VX047622.D

Acq: 17 Sep 2025 16:34

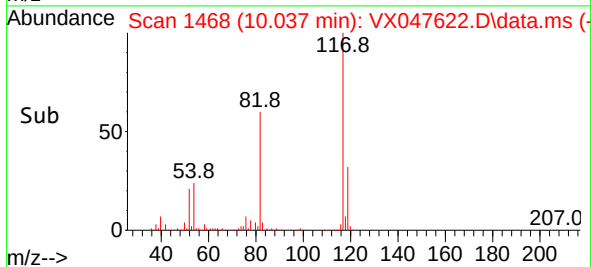
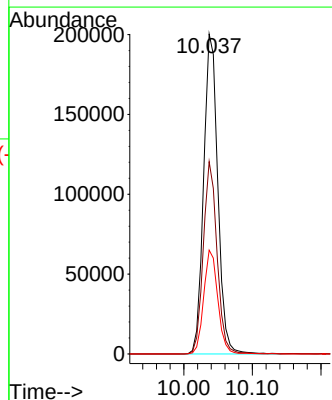
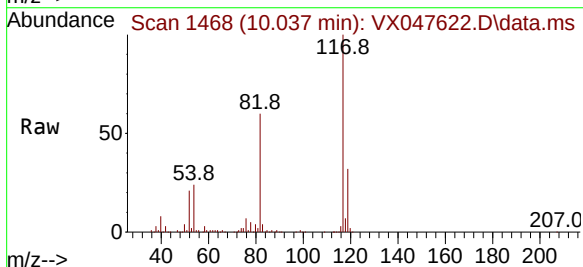
Tgt Ion: 117 Resp: 288338

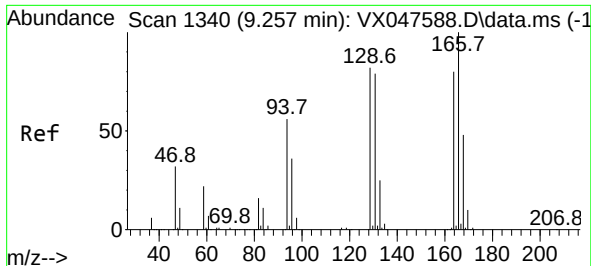
Ion Ratio Lower Upper

117 100

82 60.1 47.8 71.6

119 32.5 25.2 37.8

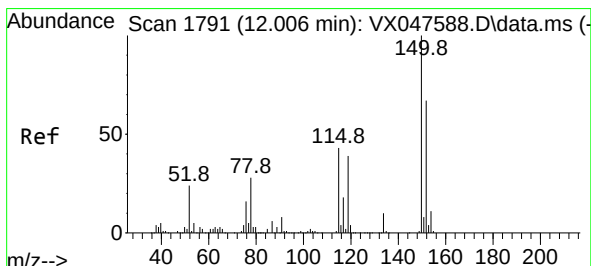
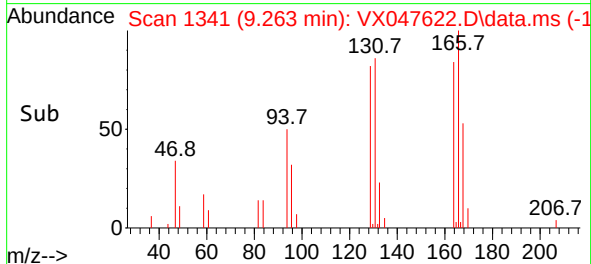
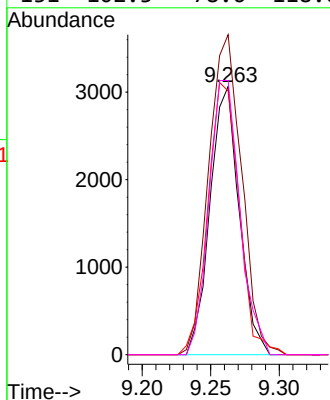
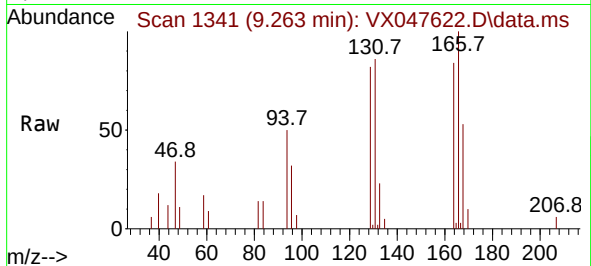




#64
Tetrachloroethene
Concen: 2.414 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

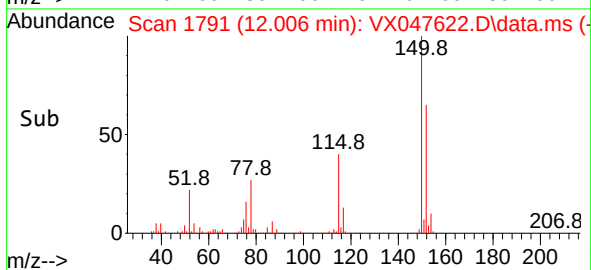
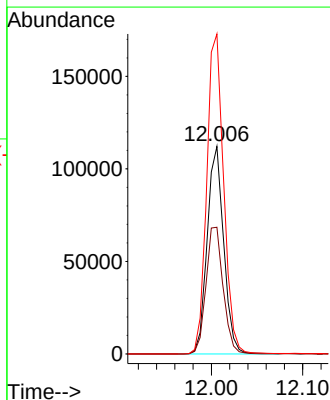
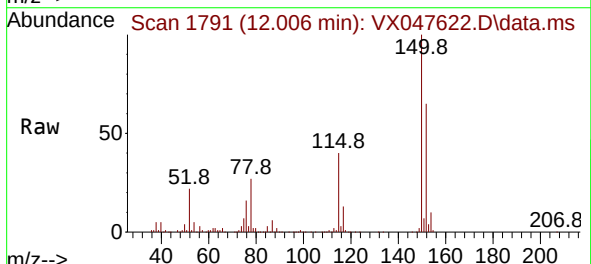
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

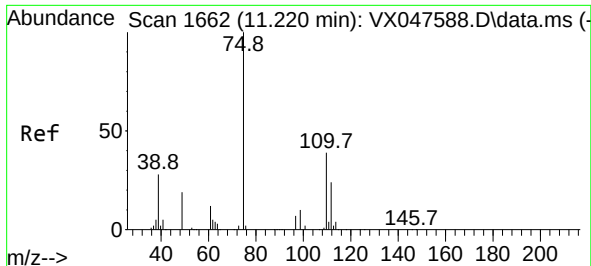
Tgt Ion:164	Resp:	4538
Ion	Ratio	Lower Upper
164	100	
166	119.4	100.2 150.2
129	98.4	81.8 122.6
131	102.3	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion:152	Resp:	140677
Ion	Ratio	Lower Upper
152	100	
115	63.4	44.9 134.5
150	157.3	0.0 352.0

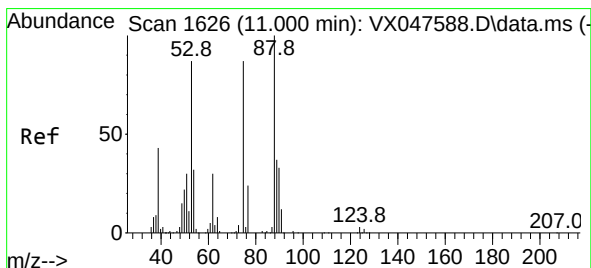
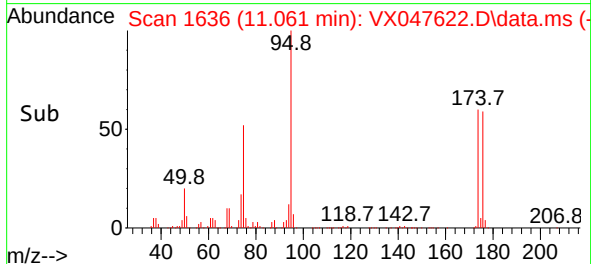
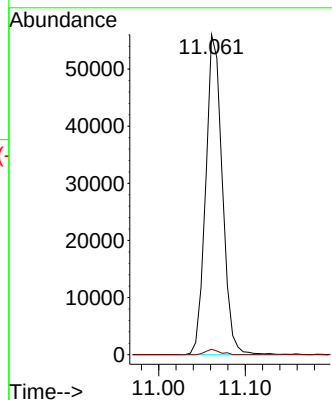
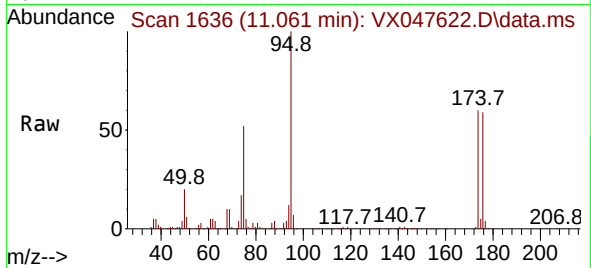




#76
1,2,3-Trichloropropane
Concen: 26.163 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion: 75 Resp: 74518
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.718 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047622.D
Acq: 17 Sep 2025 16:34

Tgt Ion: 75 Resp: 74518
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

