

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047742.D
 Acq On : 23 Sep 2025 18:18
 Operator : JC/MD
 Sample : Q3097-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20250912

Quant Time: Sep 24 01:38:04 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

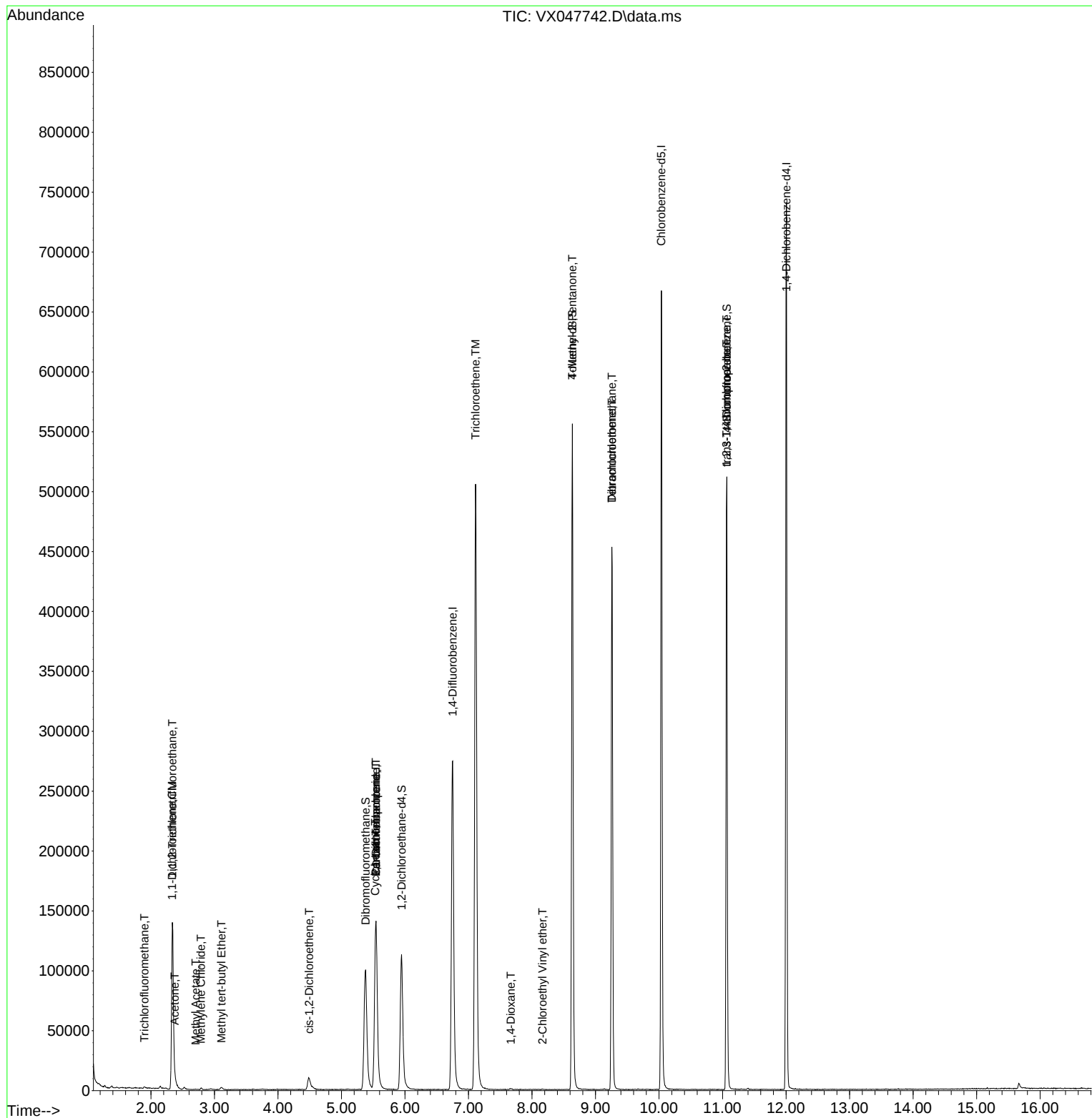
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	144829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	302539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	155005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120988	52.482	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.960%	
35) Dibromofluoromethane	5.379	113	99412	48.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	8.635	98	340487	48.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	11.067	95	146947	55.150	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.300%	
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.898	101	742	0.259	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	65221	38.934	ug/l	98
12) 1,1-Dichloroethene	2.331	96	1047	0.608	ug/l #	38
16) Acetone	2.374	43	1912	1.908	ug/l #	89
18) Methyl Acetate	2.703	43	484	0.217	ug/l #	54
19) Methyl tert-butyl Ether	3.111	73	2090	0.333	ug/l	91
20) Methylene Chloride	2.788	84	607	0.286	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	7569	3.336	ug/l	84
31) Cyclohexane	5.531	56	2742	0.900	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12263	4.136	ug/l #	46
38) Carbon Tetrachloride	5.544	117	15074	4.679	ug/l #	16
44) Trichloroethene	7.110	130	213493	98.064	ug/l	96
49) 1,4-Dioxane	7.665	88	595	22.703	ug/l #	80
51) 4-Methyl-2-Pentanone	8.635	43	1630	0.565	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.165	63	308	8.085	ug/l #	47
60) Dibromochloromethane	9.256	129	89722	36.400	ug/l #	11
64) Tetrachloroethene	9.256	164	90424	45.612	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	75685	24.116	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	75685	61.499	ug/l #	8

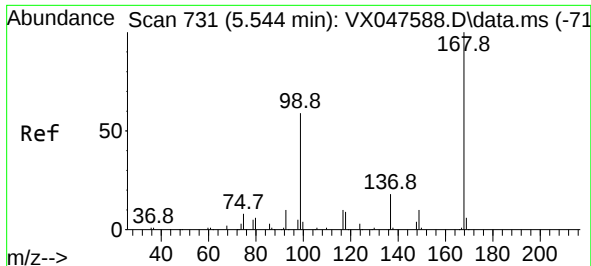
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

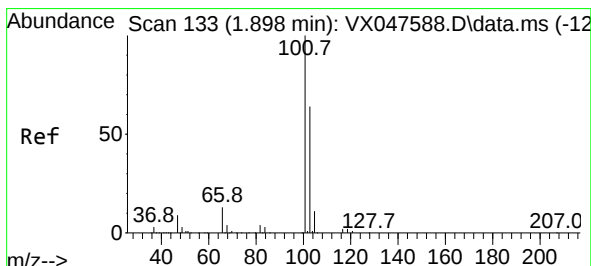
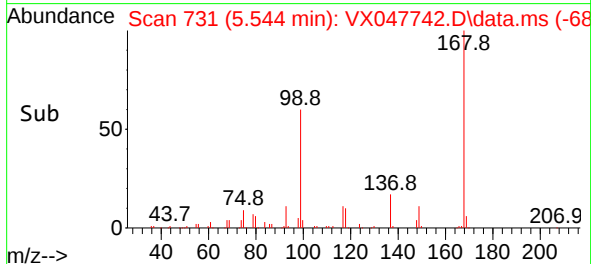
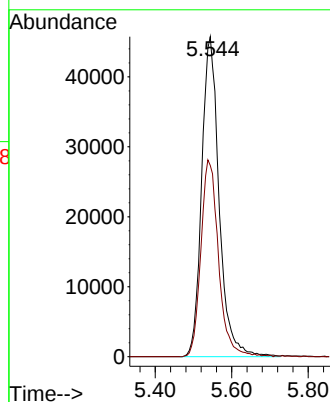
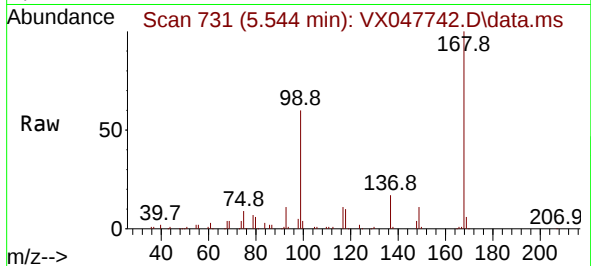




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

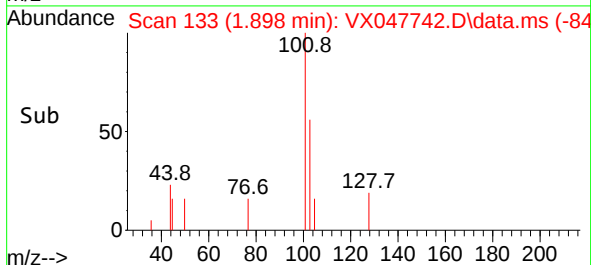
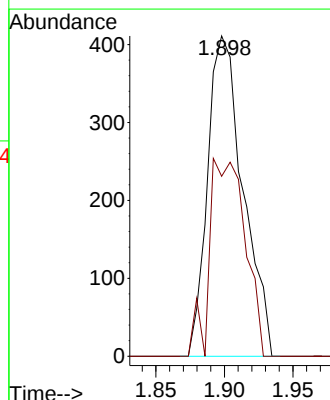
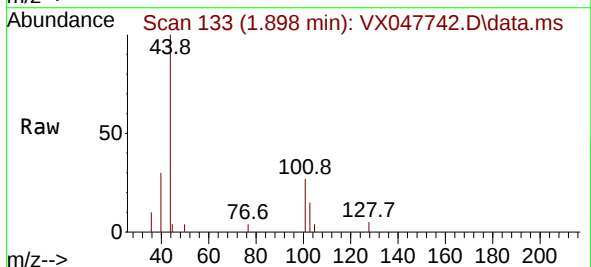
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

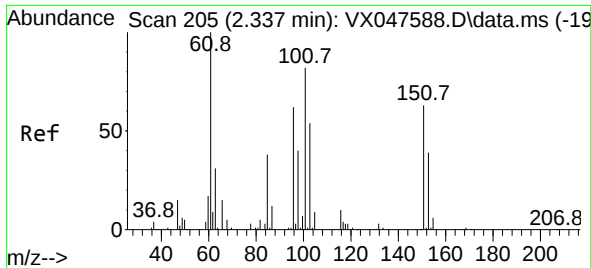
Tgt Ion:168 Resp: 144829
Ion Ratio Lower Upper
168 100
99 59.7 48.8 73.2



#7
Trichlorofluoromethane
Concen: 0.259 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:101 Resp: 742
Ion Ratio Lower Upper
101 100
103 56.2 51.4 77.2

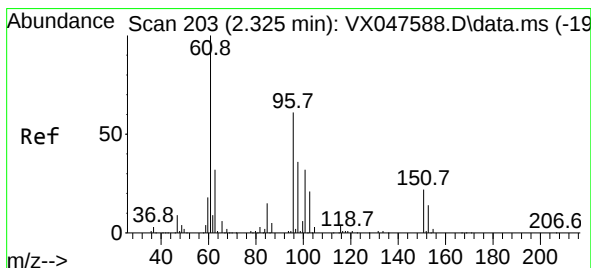
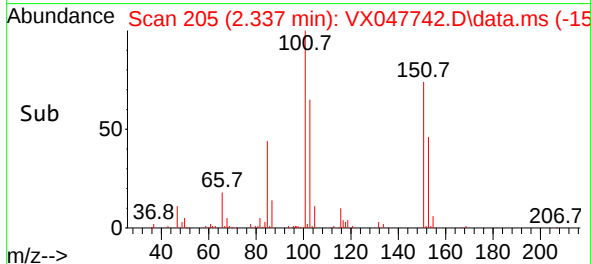
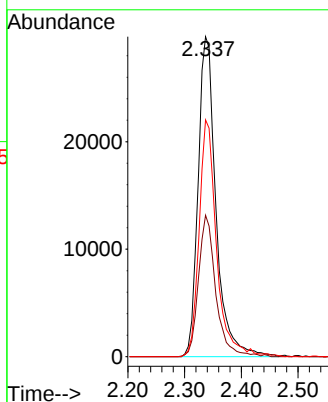
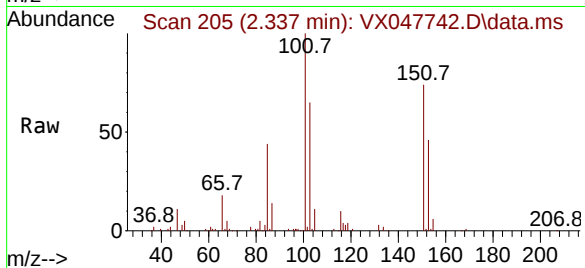




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 38.934 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

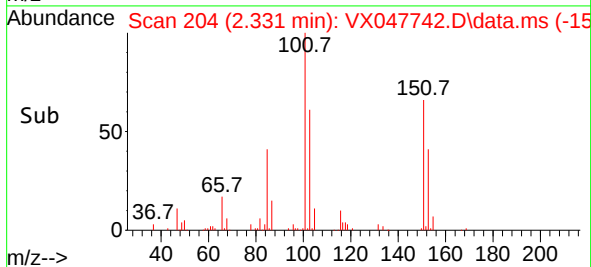
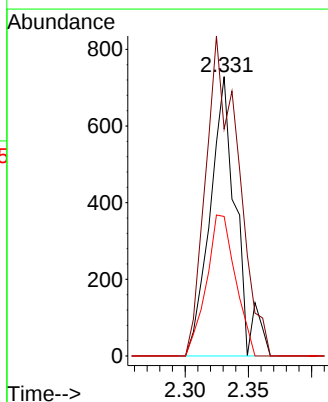
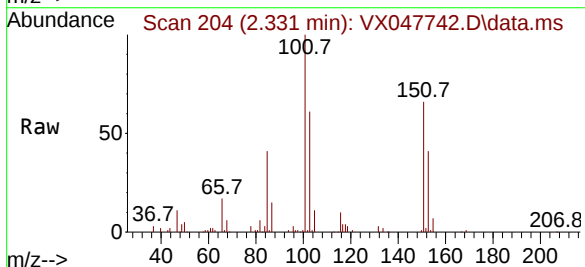
Instrument :
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 ClientSampleId :
 RE134D2-20250912

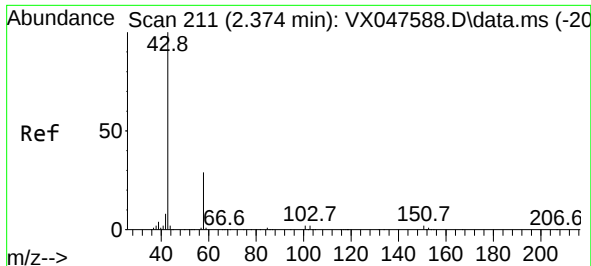
Tgt Ion: 101 Resp: 65221
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.5 53.3
 151 72.6 59.4 89.0



#12
 1,1-Dichloroethene
 Concen: 0.608 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

Tgt Ion: 96 Resp: 1047
 Ion Ratio Lower Upper
 96 100
 61 58.1 131.0 196.6#
 98 46.8 47.7 71.5#

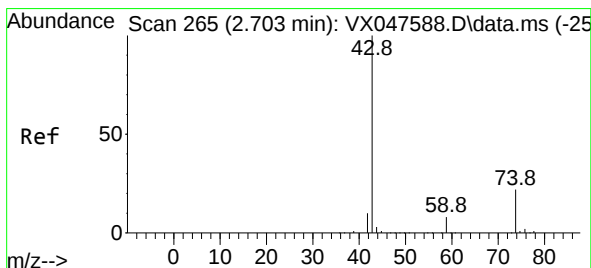
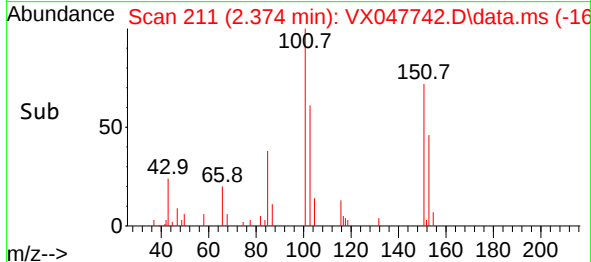
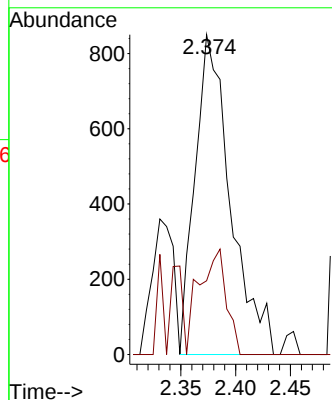
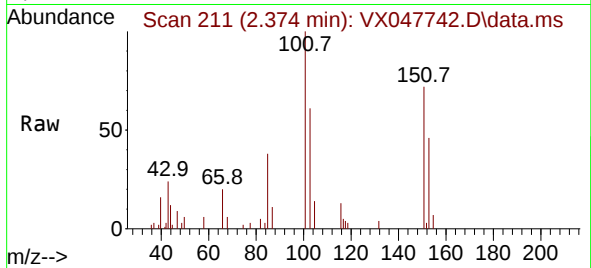




#16
Acetone
Concen: 1.908 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

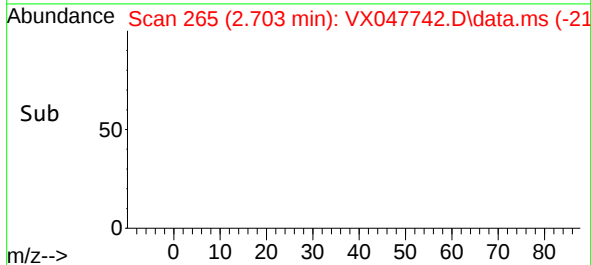
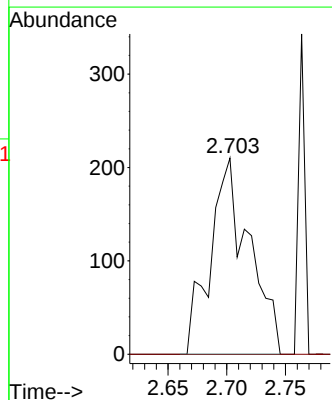
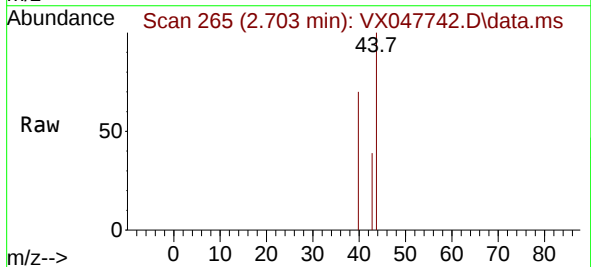
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

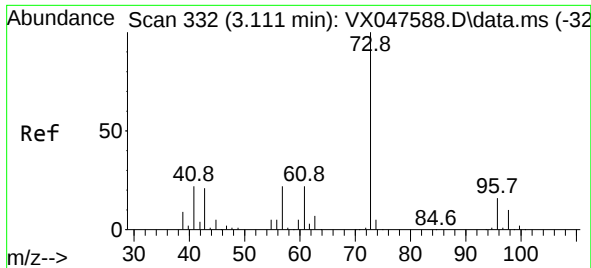
Tgt Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
58 23.1 23.4 35.0#



#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

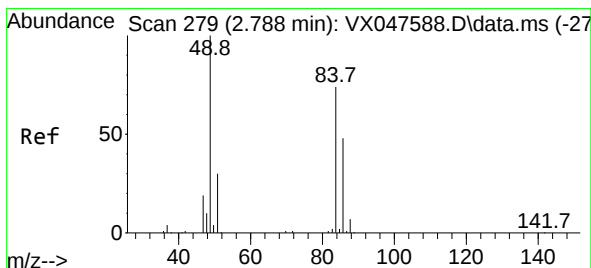
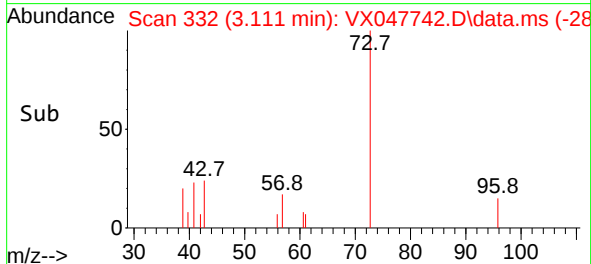
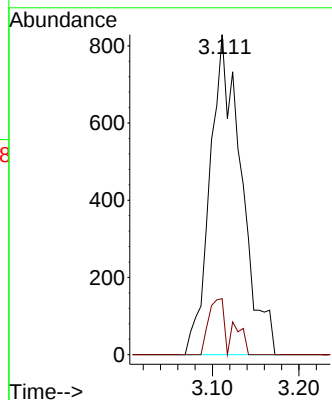
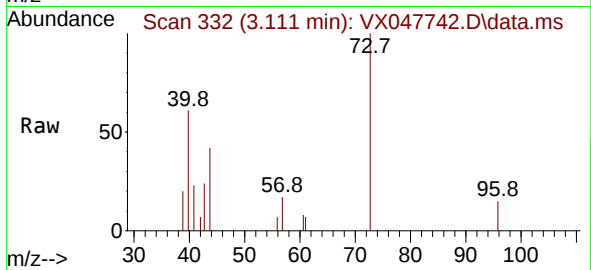




#19
Methyl tert-butyl Ether
Concen: 0.333 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

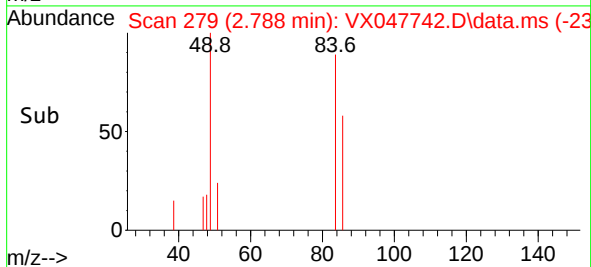
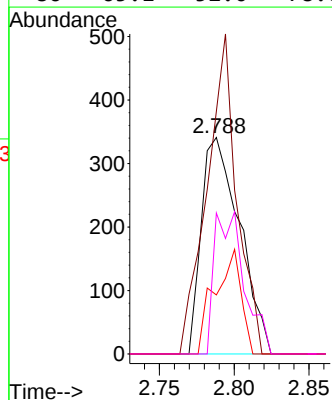
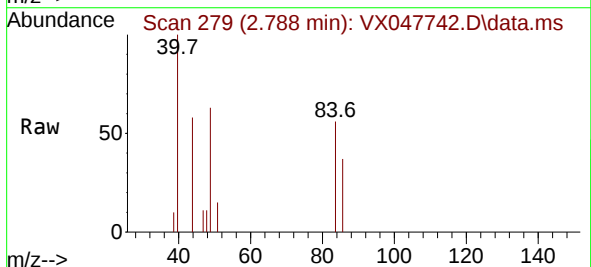
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

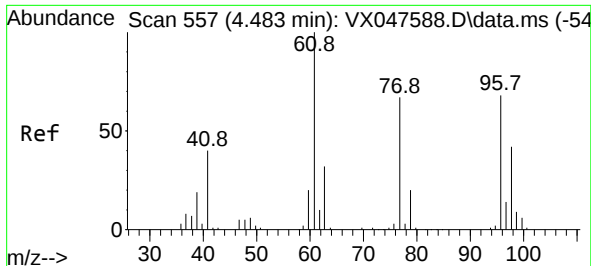
Tgt Ion: 73 Resp: 2090
Ion Ratio Lower Upper
73 100
57 17.5 17.4 26.2



#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 84 Resp: 607
Ion Ratio Lower Upper
84 100
49 112.0 108.6 162.8
51 27.3 32.6 48.8#
86 65.1 52.0 78.0

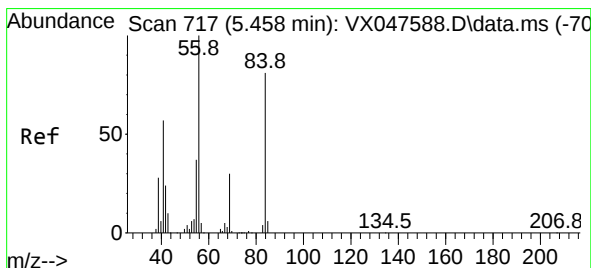
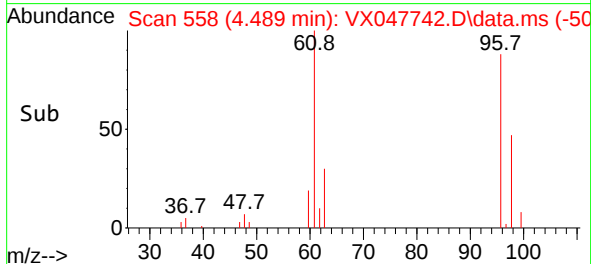
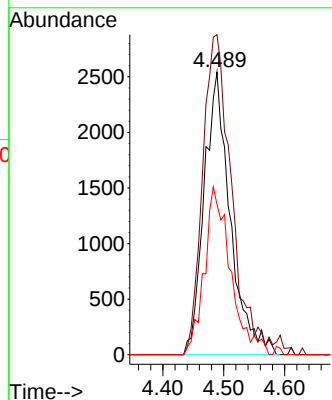
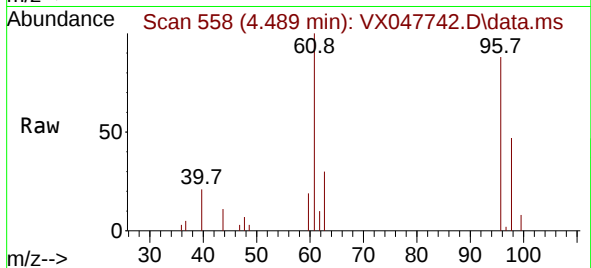




#27
 cis-1,2-Dichloroethene
 Concen: 3.336 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

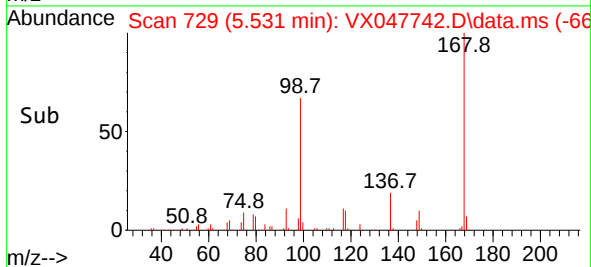
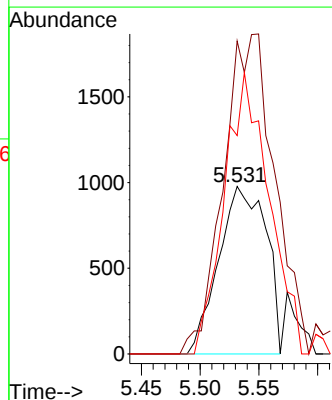
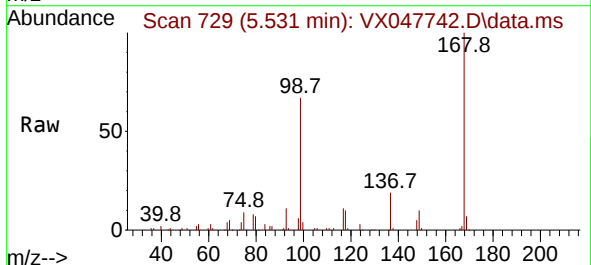
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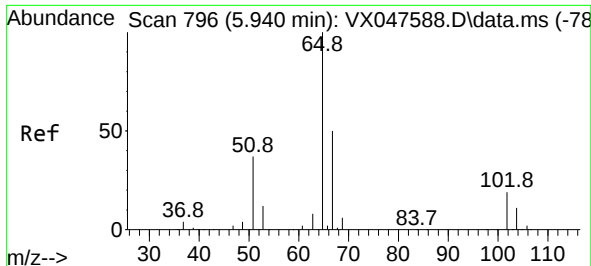
Tgt Ion: 96 Resp: 7569
 Ion Ratio Lower Upper
 96 100
 61 125.0 0.0 303.2
 98 59.4 0.0 127.8



#31
 Cyclohexane
 Concen: 0.900 ug/l
 RT: 5.531 min Scan# 729
 Delta R.T. 0.073 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

Tgt Ion: 56 Resp: 2742
 Ion Ratio Lower Upper
 56 100
 69 186.9 23.8 35.8#
 84 130.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.482 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047742.D

Acq: 23 Sep 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

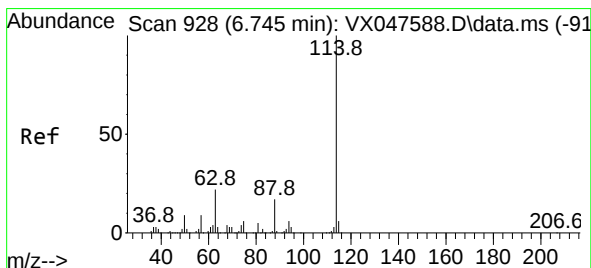
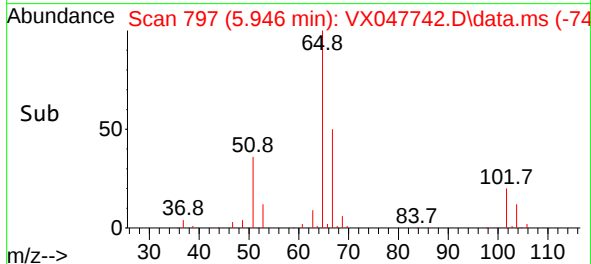
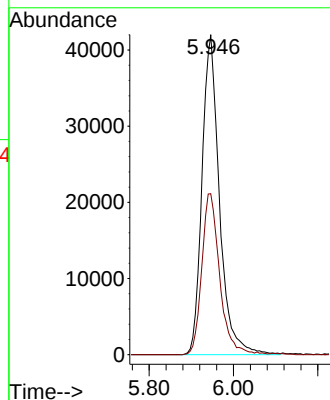
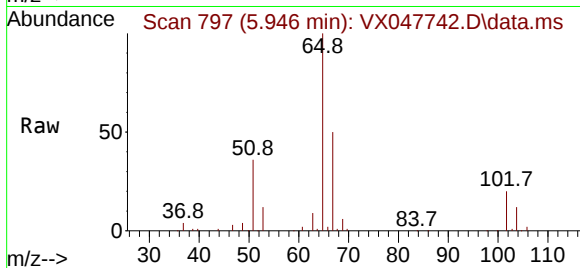
RE134D2-20250912

Tgt Ion: 65 Resp: 120988

Ion Ratio Lower Upper

65 100

67 51.7 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: VX047742.D

Acq: 23 Sep 2025 18:18

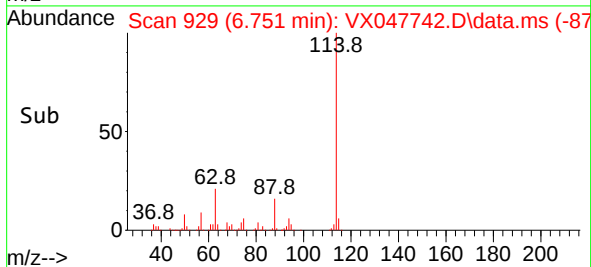
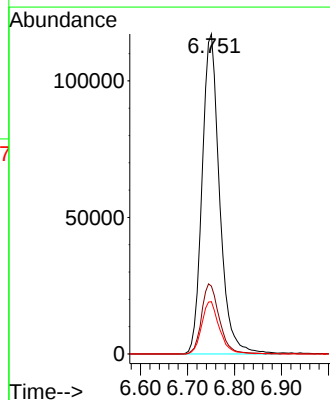
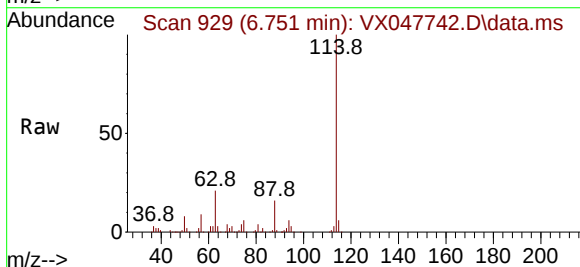
Tgt Ion: 114 Resp: 302539

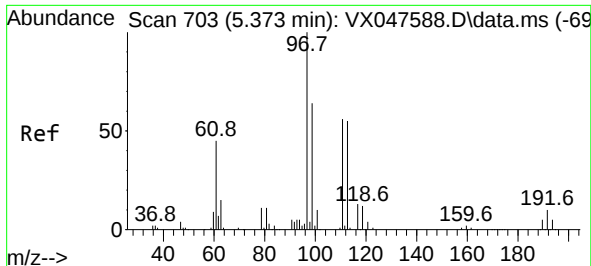
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.4 0.0 34.2

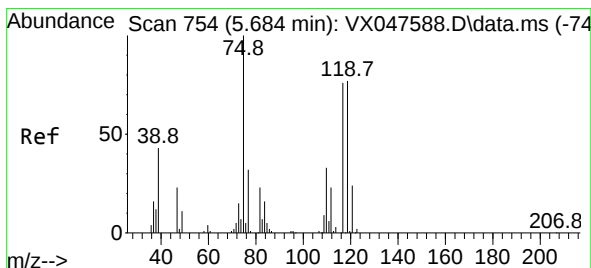
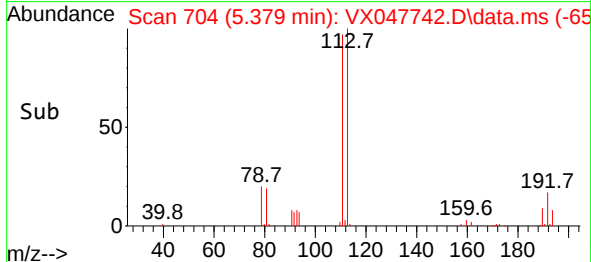
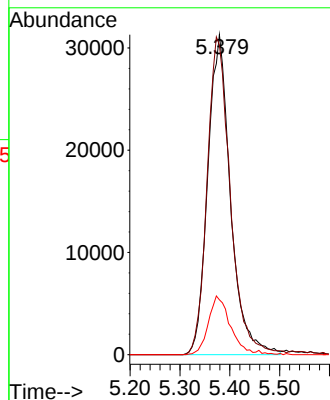
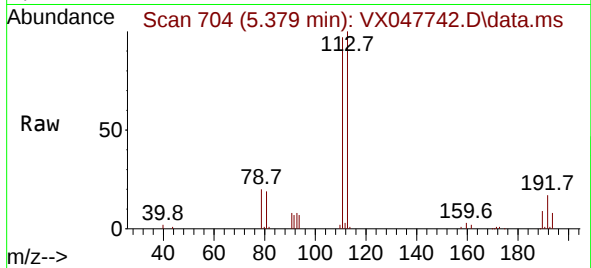




#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

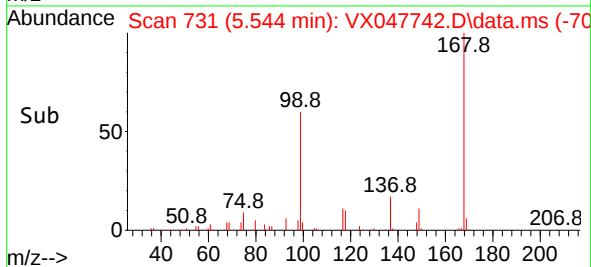
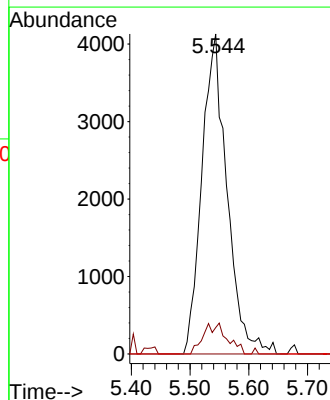
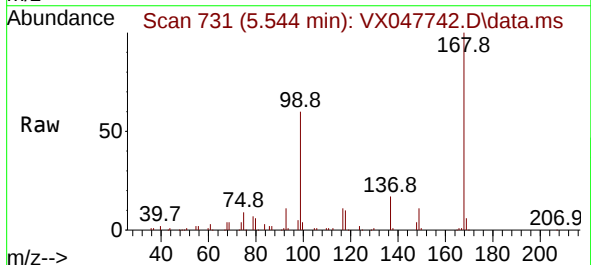
Instrument :
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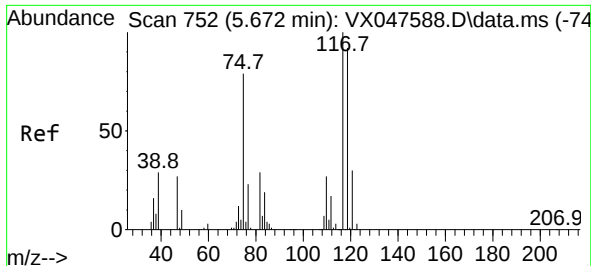
Tgt Ion:113 Resp: 99412
Ion Ratio Lower Upper
113 100
111 100.8 80.9 121.3
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.136 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

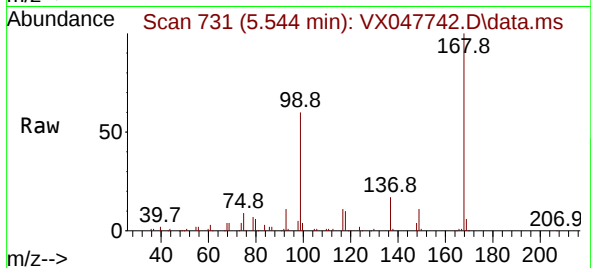
Tgt Ion: 75 Resp: 12263
Ion Ratio Lower Upper
75 100
110 4.0 16.7 50.1#
77 0.0 24.3 36.5#



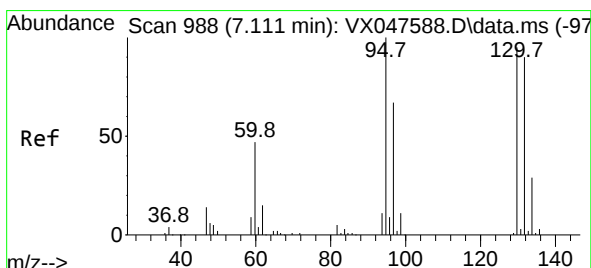
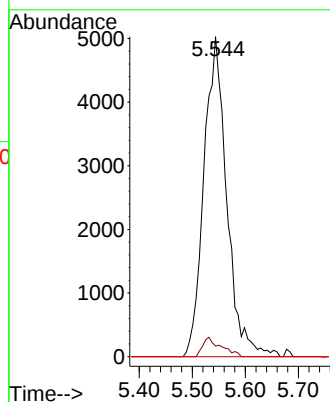
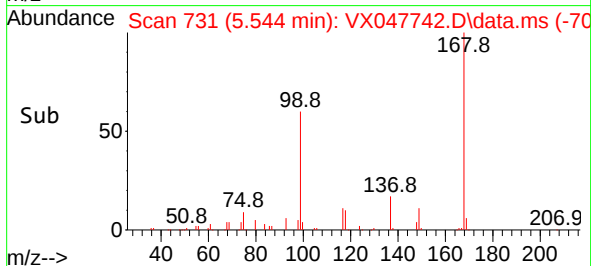


#38
Carbon Tetrachloride
Concen: 4.679 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

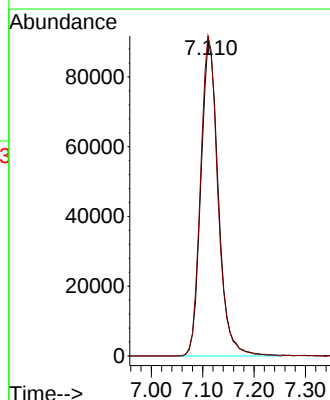
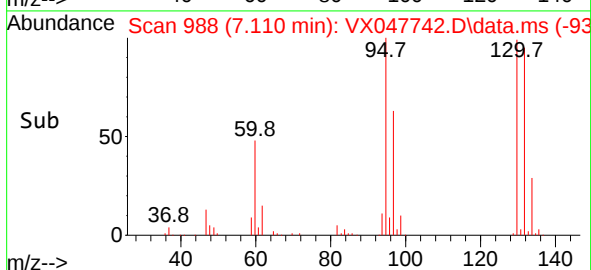
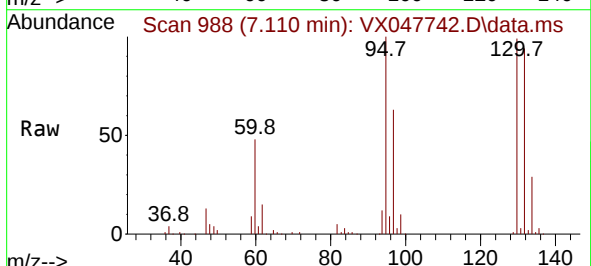


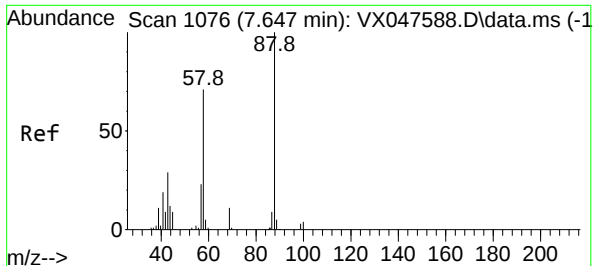
Tgt Ion:117 Resp: 15074
Ion Ratio Lower Upper
117 100
119 3.3 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 98.064 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:130 Resp: 213493
Ion Ratio Lower Upper
130 100
95 101.0 0.0 210.8





#49

1,4-Dioxane

Concen: 22.703 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047742.D

Acq: 23 Sep 2025 18:18

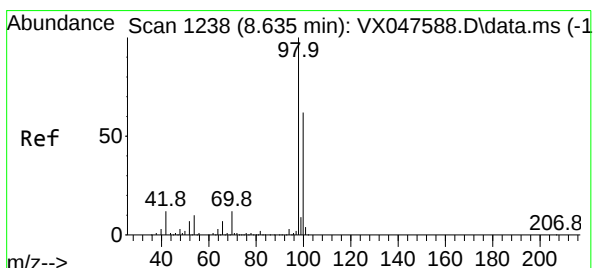
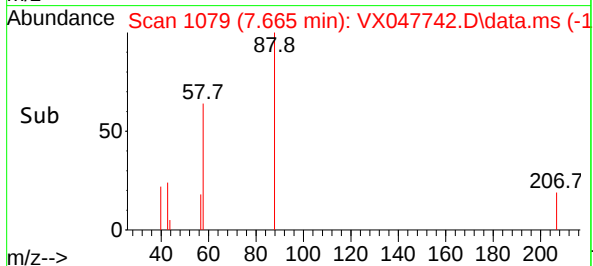
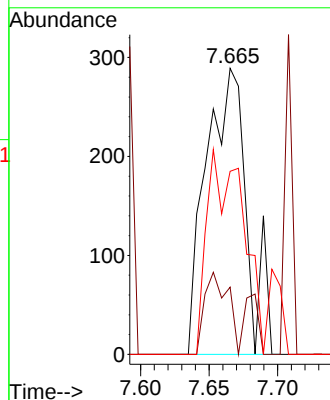
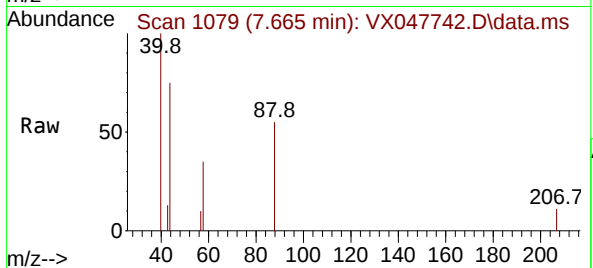
Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20250912

Tgt Ion: 88	Resp:	595
Ion	Ratio	Lower Upper
88	100	
43	16.5	30.2 45.2#
58	64.2	59.5 89.3



#50

Toluene-d8

Concen: 48.497 ug/l

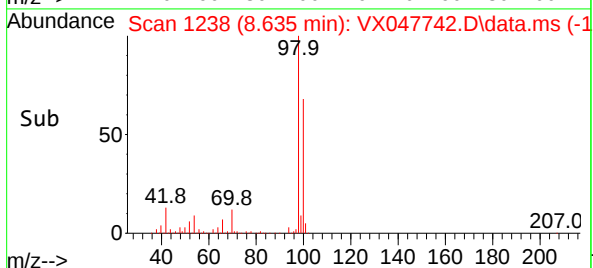
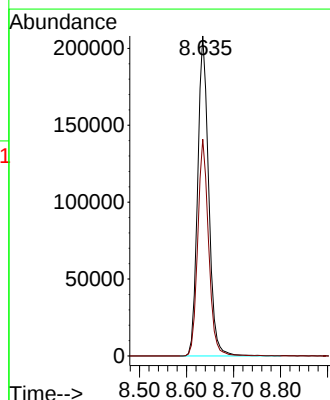
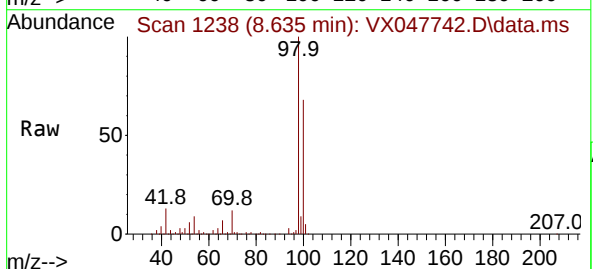
RT: 8.635 min Scan# 1238

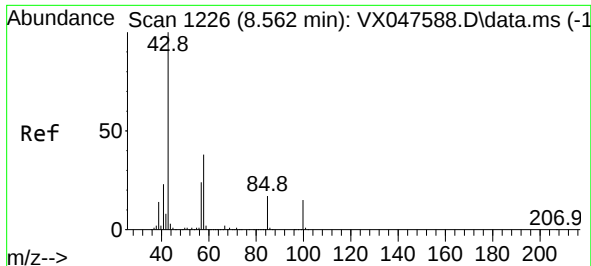
Delta R.T. -0.000 min

Lab File: VX047742.D

Acq: 23 Sep 2025 18:18

Tgt Ion: 98	Resp:	340487
Ion	Ratio	Lower Upper
98	100	
100	66.8	53.0 79.4

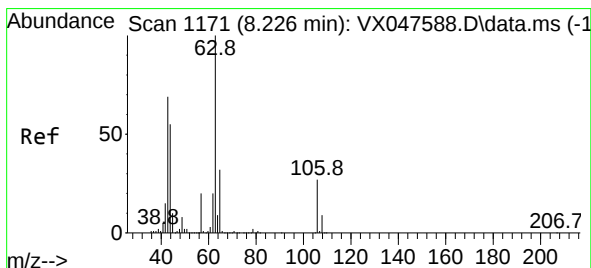
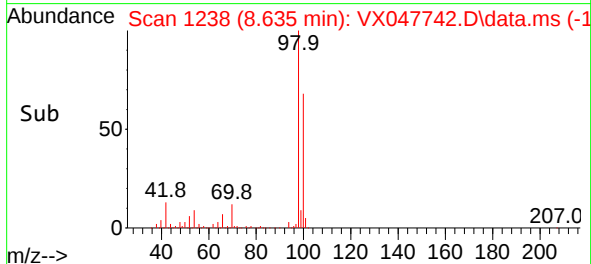
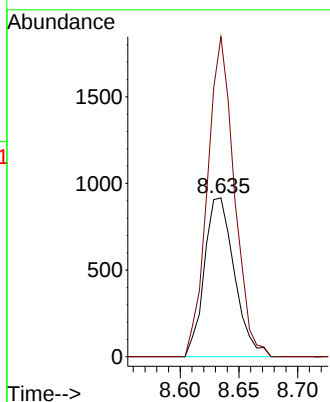
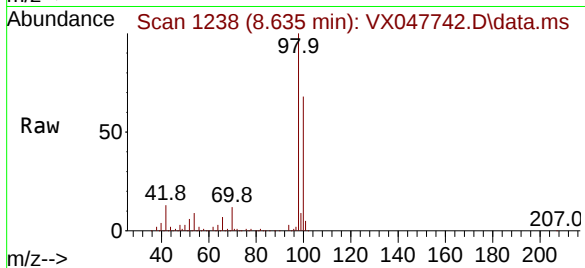




#51
4-Methyl-2-Pentanone
Concen: 0.565 ug/l
RT: 8.635 min Scan# 1161
Delta R.T. 0.073 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

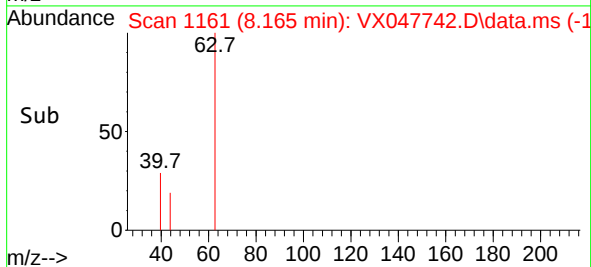
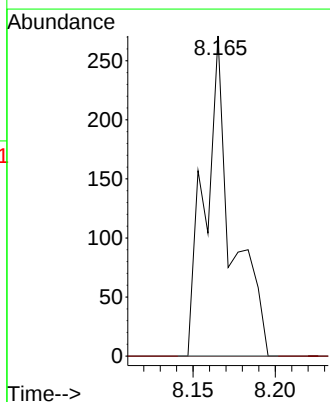
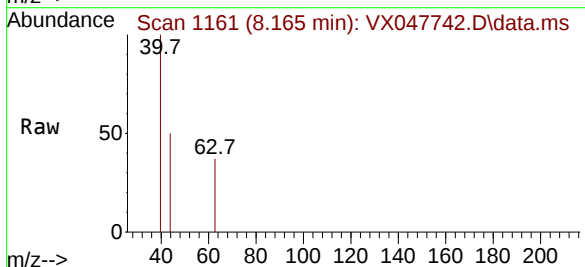
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

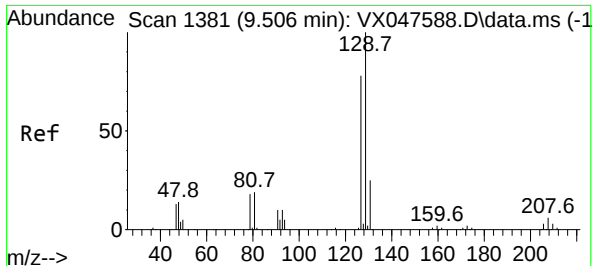
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
58 180.6 30.3 45.5#



#58
2-Chloroethyl Vinyl ether
Concen: 8.085 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 63 Resp: 308
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

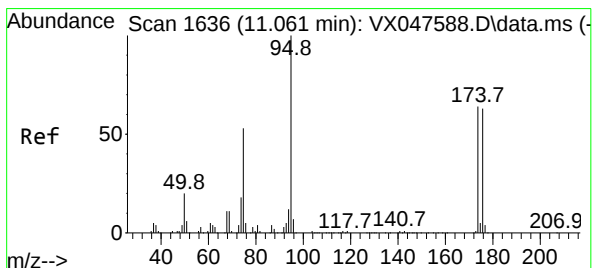
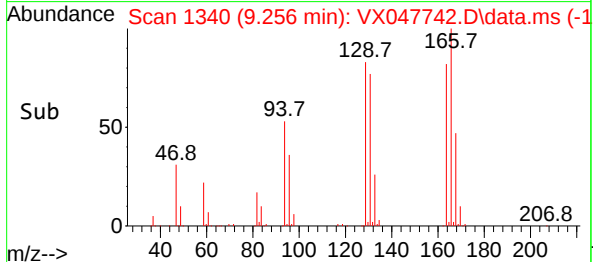
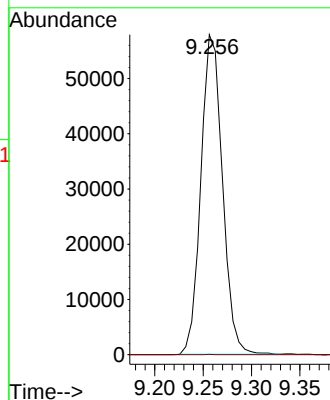
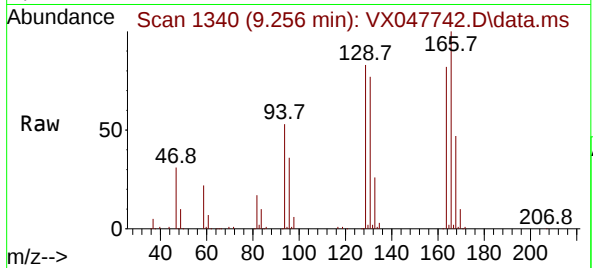




#60
Dibromochloromethane
Concen: 36.400 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

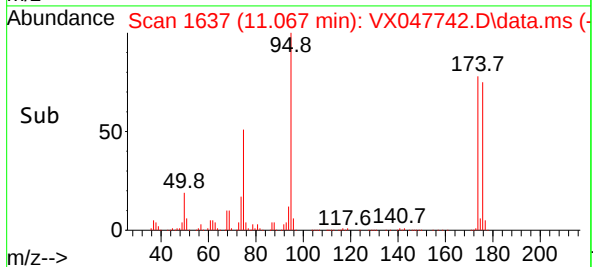
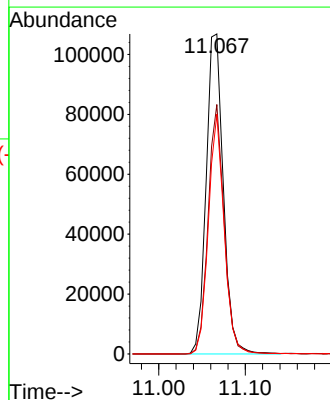
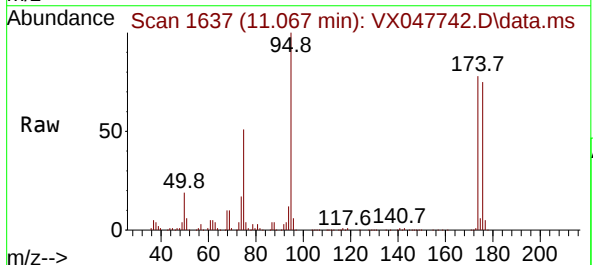
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

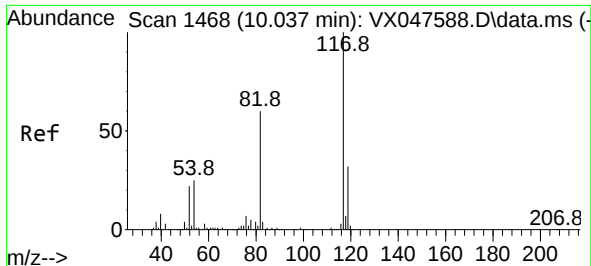
Tgt Ion:129 Resp: 89722
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 55.150 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion: 95 Resp: 146947
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.4 0.0 138.4

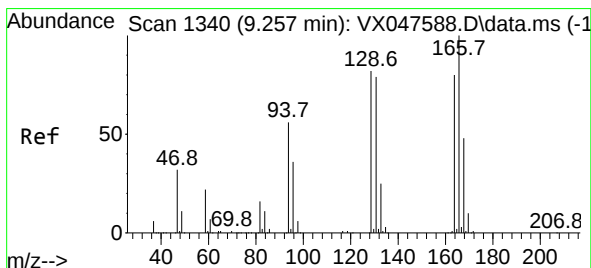
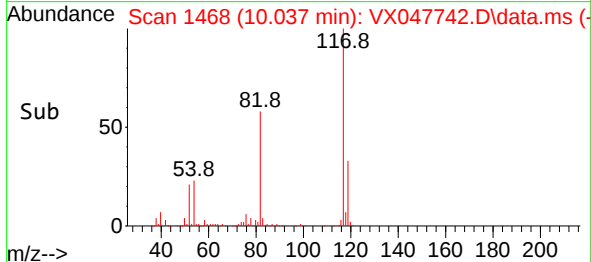
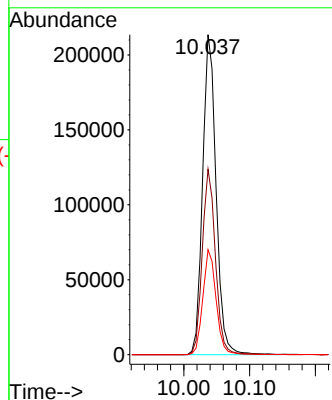
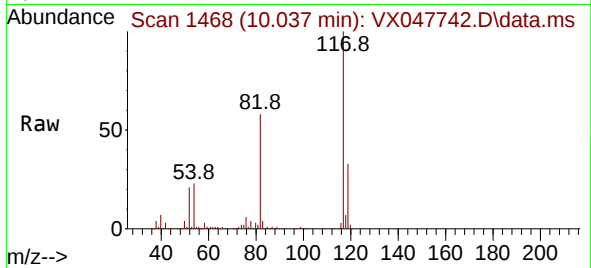




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

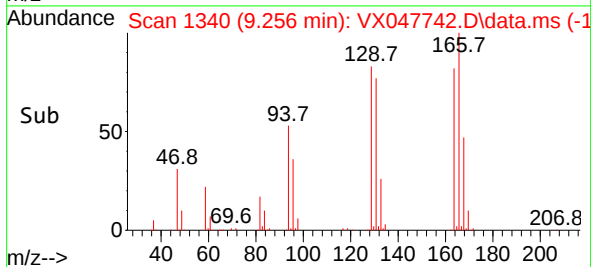
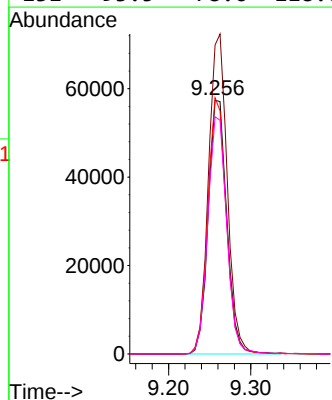
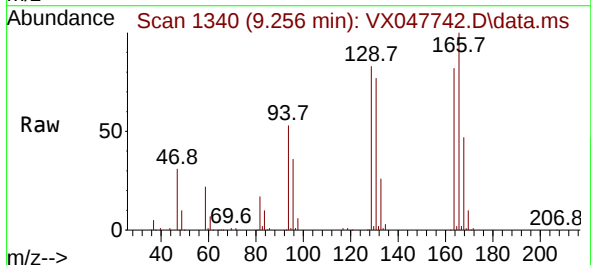
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20250912

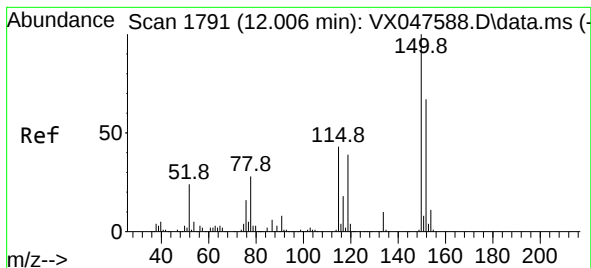
Tgt Ion:117 Resp: 304106
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.8 25.2 37.8



#64
Tetrachloroethene
Concen: 45.612 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047742.D
Acq: 23 Sep 2025 18:18

Tgt Ion:164 Resp: 90424
Ion Ratio Lower Upper
164 100
166 121.8 100.2 150.2
129 101.0 81.8 122.6
131 93.5 78.6 118.0

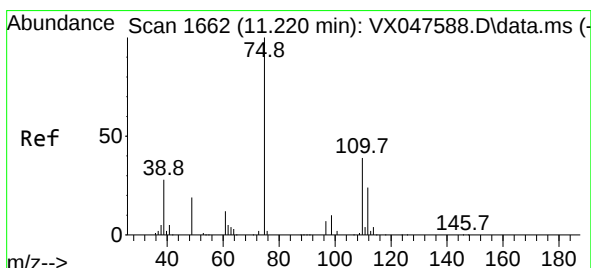
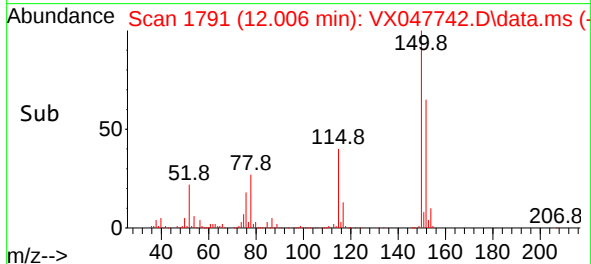
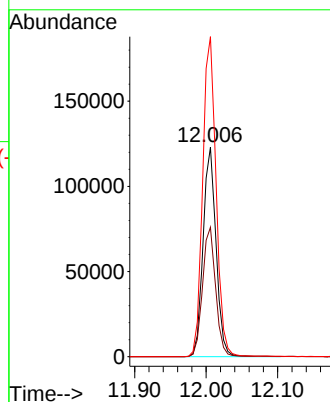
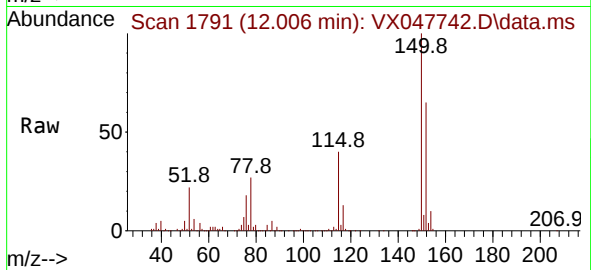




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

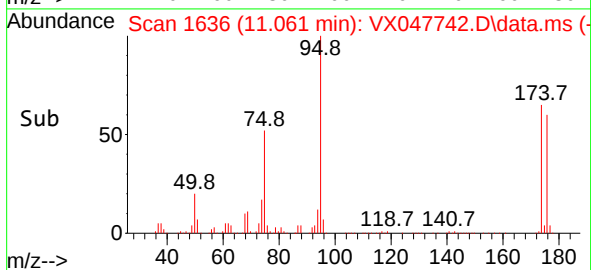
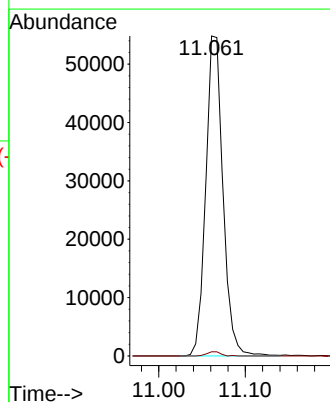
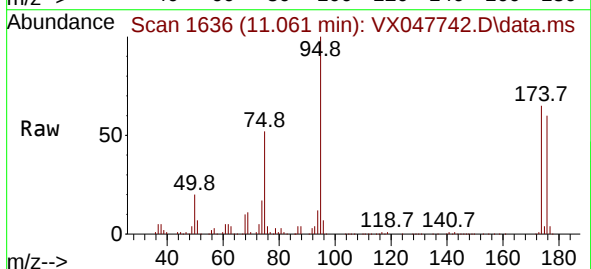
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20250912

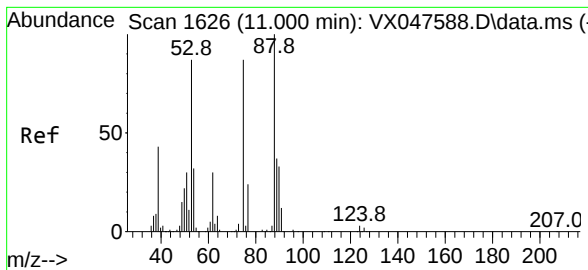
Tgt Ion:152 Resp: 155005
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.9 134.5
 150 158.1 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.116 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

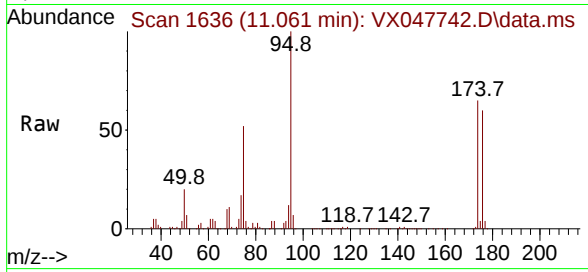
Tgt Ion: 75 Resp: 75685
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.499 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047742.D
 Acq: 23 Sep 2025 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20250912



Tgt Ion: 75 Resp: 75685
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

