

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047672.D
 Acq On : 19 Sep 2025 13:52
 Operator : JC/MD
 Sample : Q3095-30RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20250910

Quant Time: Sep 20 00:31:42 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

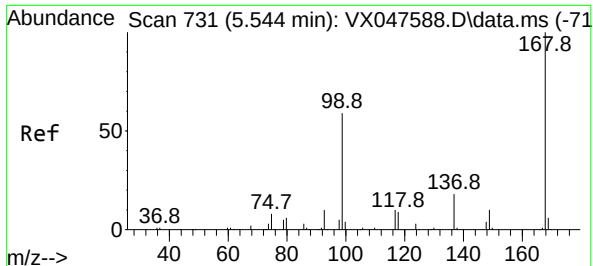
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	172904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	321637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	158328	57.528	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.060%	
35) Dibromofluoromethane	5.373	113	119999	55.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.260%	
50) Toluene-d8	8.635	98	412746	55.299	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.600%	
62) 4-Bromofluorobenzene	11.061	95	157423	55.574	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.140%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	1904	0.952	ug/l #	89
11) Tert butyl alcohol	2.940	59	104	0.339	ug/l #	72
16) Acetone	2.380	43	2073	1.732	ug/l #	88
20) Methylene Chloride	2.794	84	867	0.342	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	1029	0.380	ug/l	83
31) Cyclohexane	5.550	56	3949	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14864	4.716	ug/l #	51
38) Carbon Tetrachloride	5.544	117	18528	5.410	ug/l #	19
44) Trichloroethene	7.110	130	104006	44.937	ug/l	94
49) 1,4-Dioxane	7.665	88	229	8.219	ug/l #	60
60) Dibromochloromethane	9.262	129	4831	1.844	ug/l #	11
64) Tetrachloroethene	9.262	164	5115	2.691	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	82284	29.004	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	82284	73.964	ug/l #	8

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

Quant Time: Sep 20 00:31:42 2025
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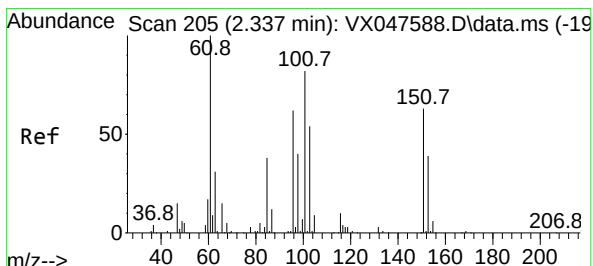
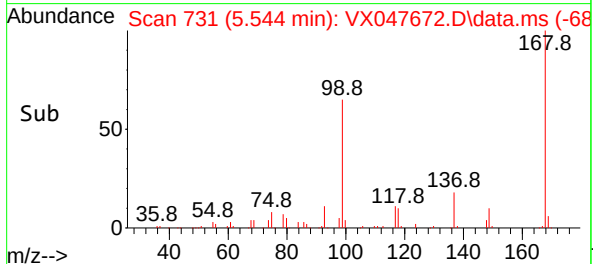
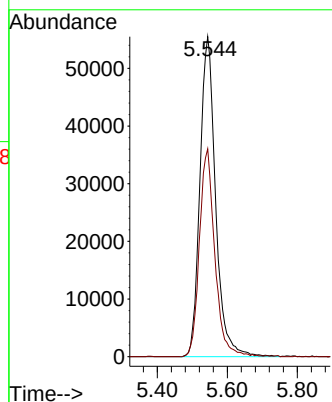
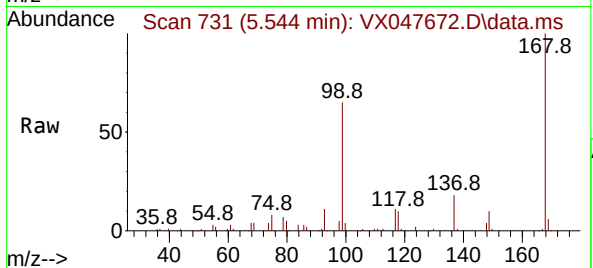




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

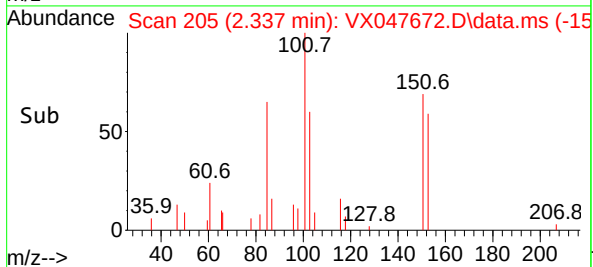
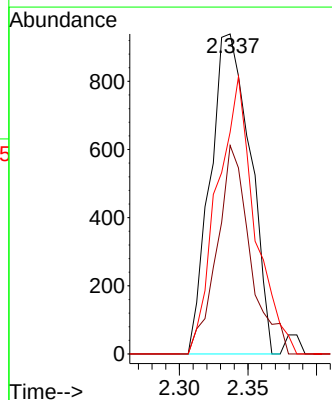
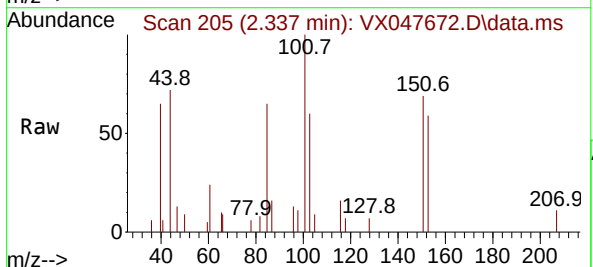
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

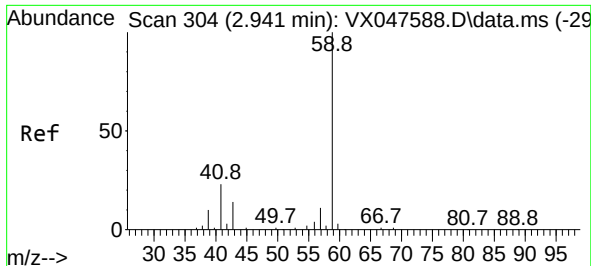
Tgt Ion:168 Resp: 172904
Ion Ratio Lower Upper
168 100
99 65.0 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.952 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:101 Resp: 1904
Ion Ratio Lower Upper
101 100
85 54.1 35.5 53.3#
151 81.5 59.4 89.0

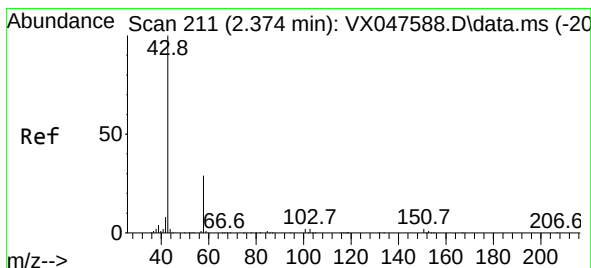
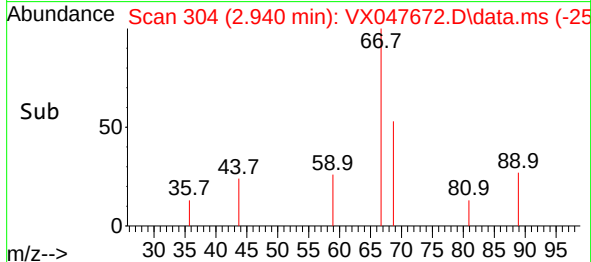
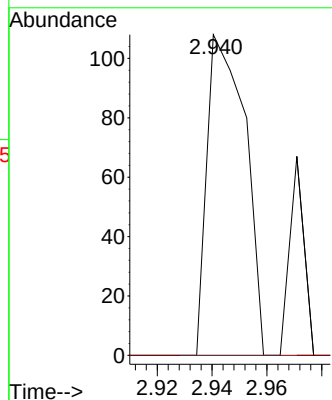
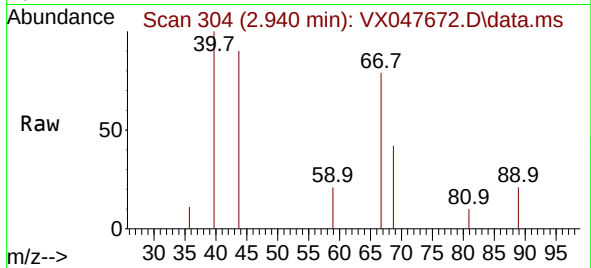




#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

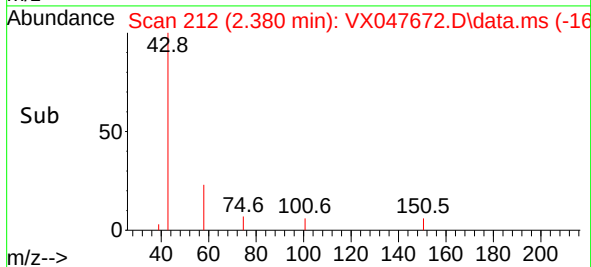
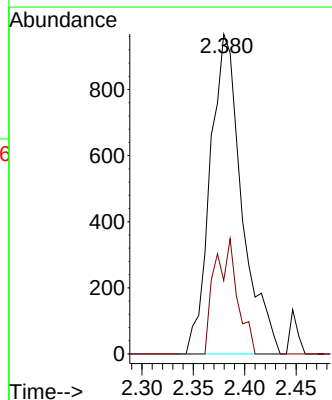
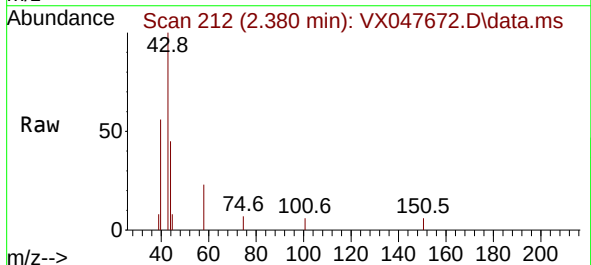
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

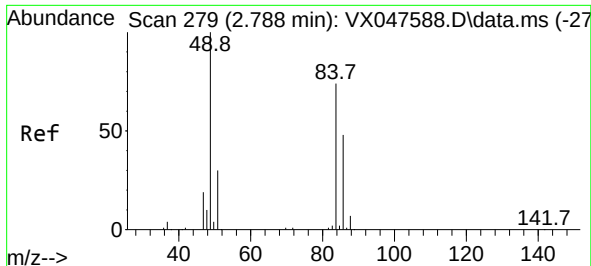
Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.732 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 22.9 23.4 35.0#

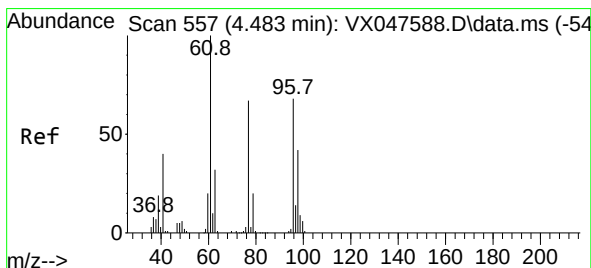
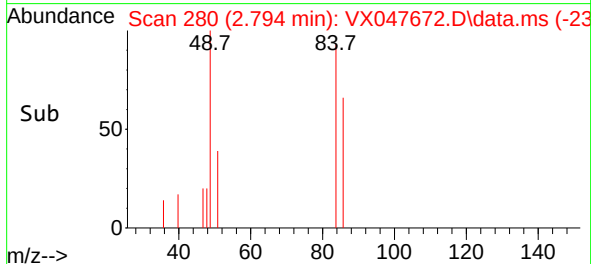
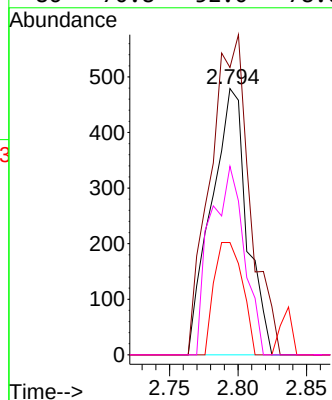
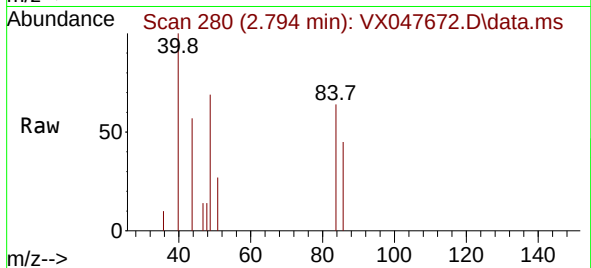




#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

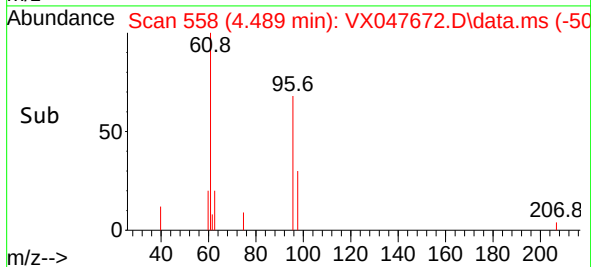
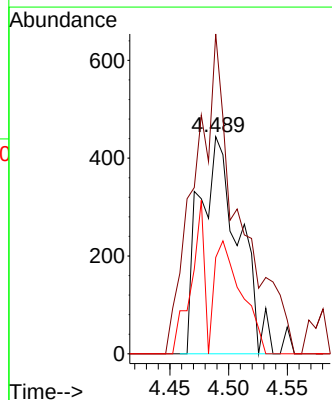
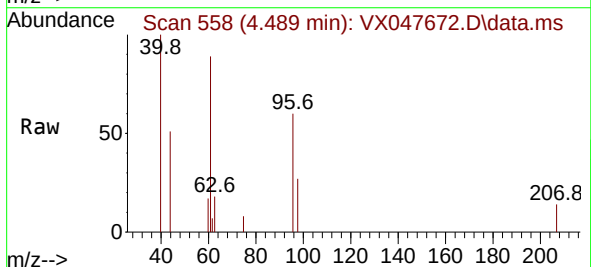
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

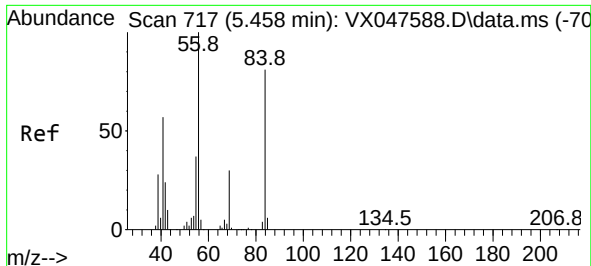
Tgt Ion:	84	Resp:	867
Ion	Ratio	Lower	Upper
84	100		
49	107.9	108.6	162.8#
51	42.2	32.6	48.8
86	70.8	52.0	78.0



#27
cis-1,2-Dichloroethene
Concen: 0.380 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:	96	Resp:	1029
Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	303.2
98	36.0	0.0	127.8

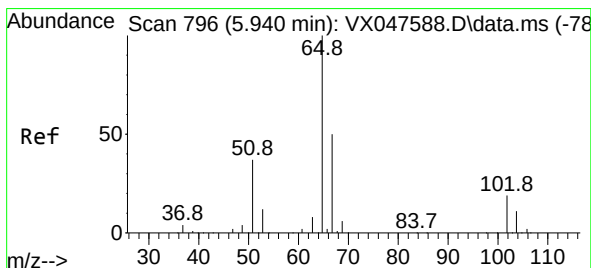
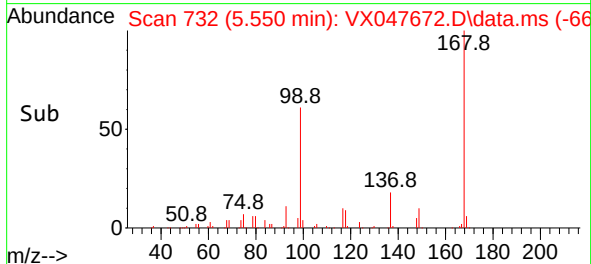
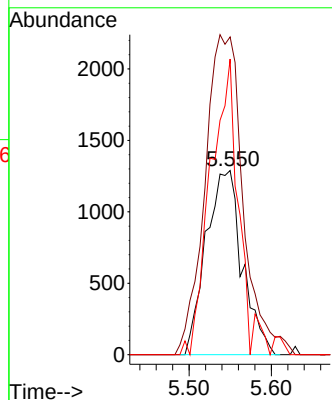
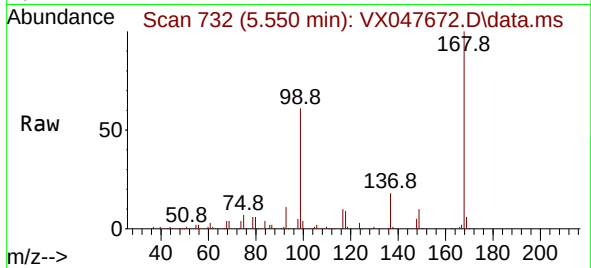




#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.091 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

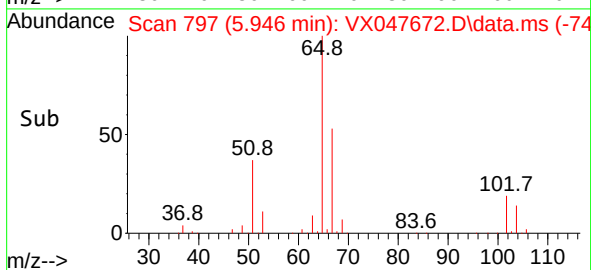
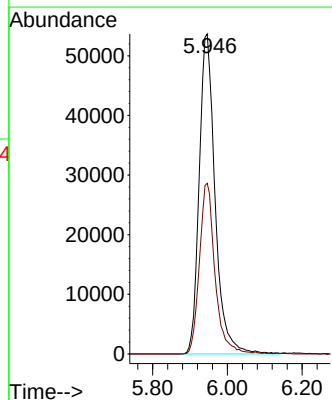
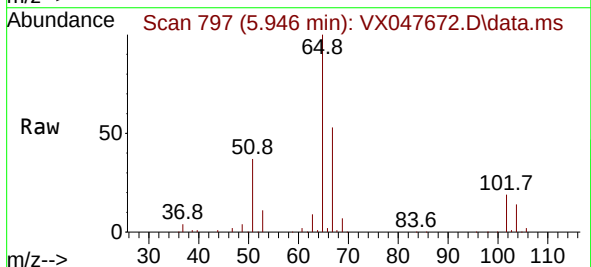
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

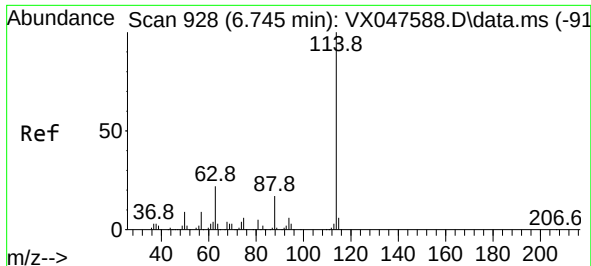
Tgt Ion: 56 Resp: 3949
Ion Ratio Lower Upper
56 100
69 167.3 23.8 35.8#
84 160.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 57.528 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 65 Resp: 158328
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0

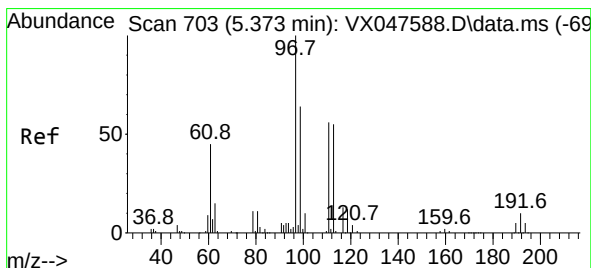
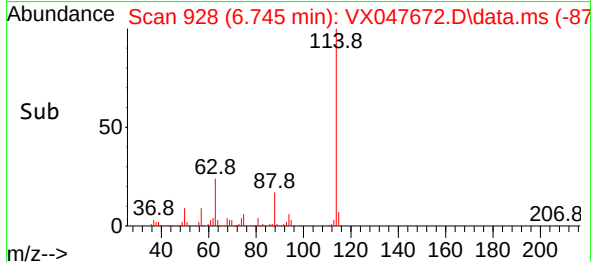
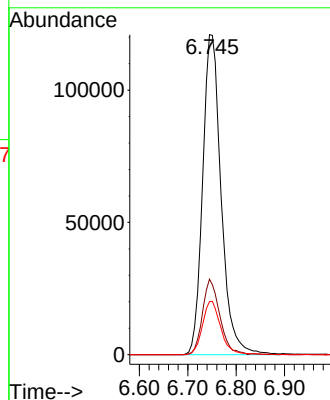
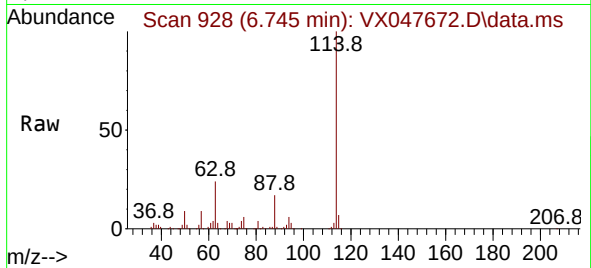




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

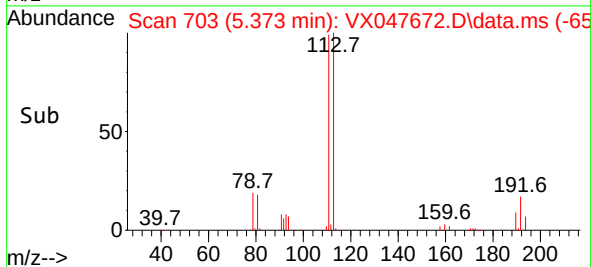
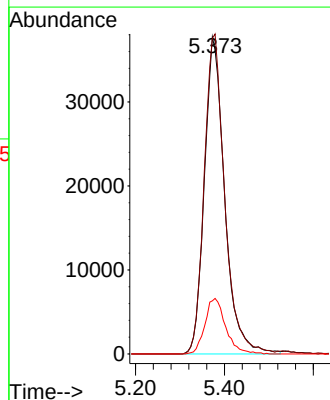
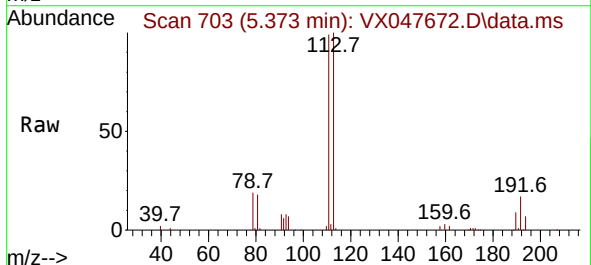
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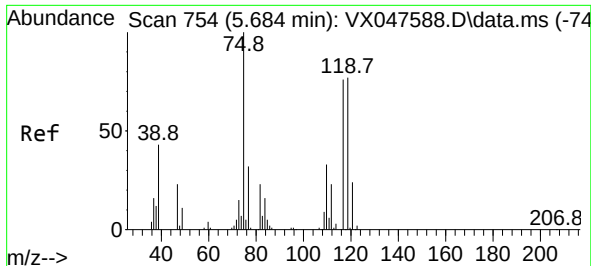
Tgt Ion:114 Resp: 321637
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.0
88 16.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 55.630 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:113 Resp: 119999
Ion Ratio Lower Upper
113 100
111 101.7 80.9 121.3
192 17.9 14.2 21.4

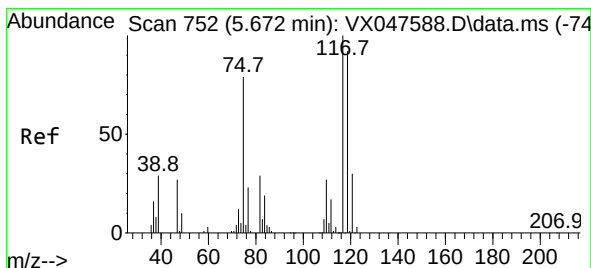
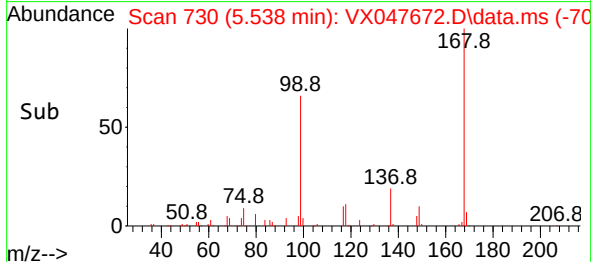
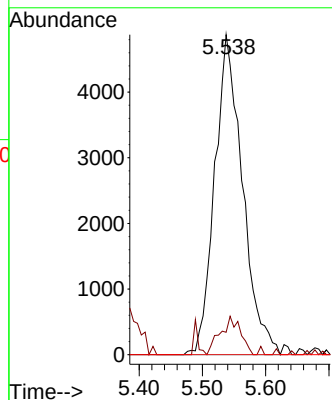
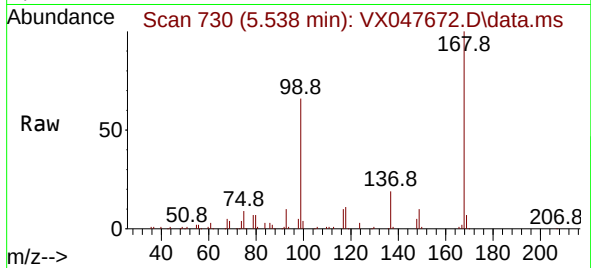




#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

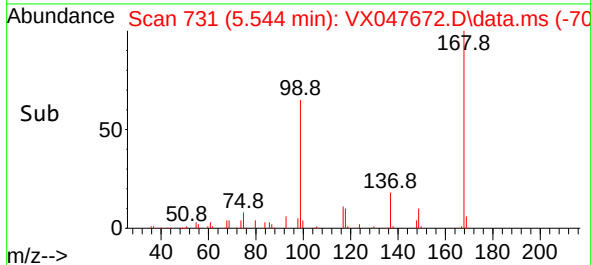
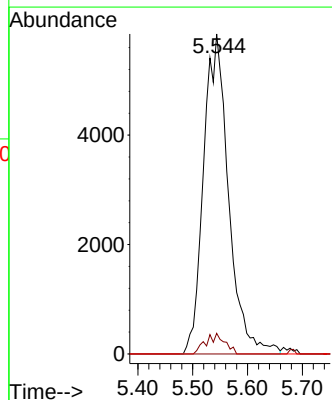
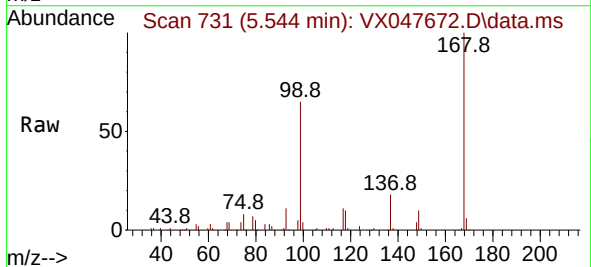
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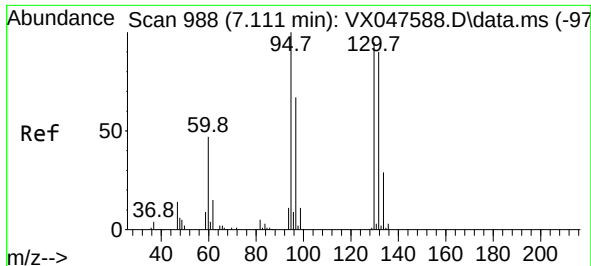
Tgt Ion: 75 Resp: 14864
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.410 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 117 Resp: 18528
Ion Ratio Lower Upper
117 100
119 6.4 73.4 110.2#
121 0.0 23.8 35.6#

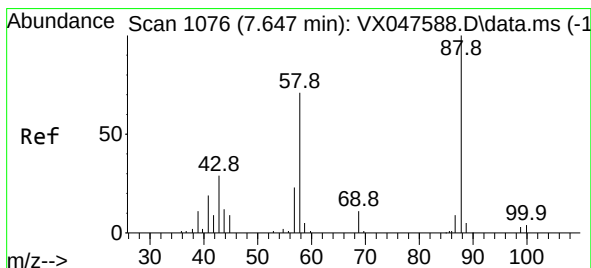
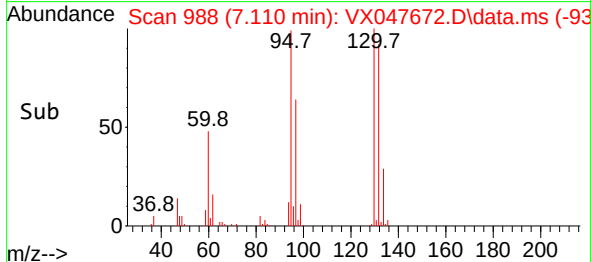
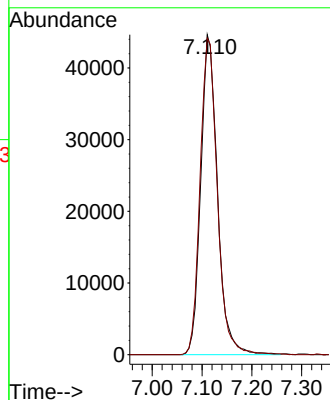
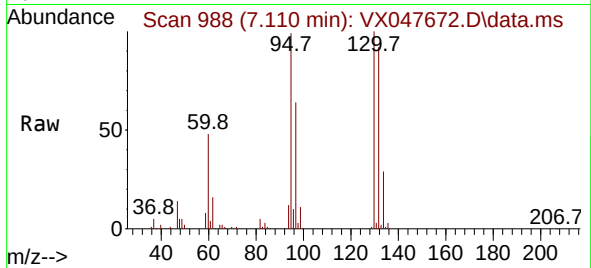




#44
Trichloroethene
Concen: 44.937 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

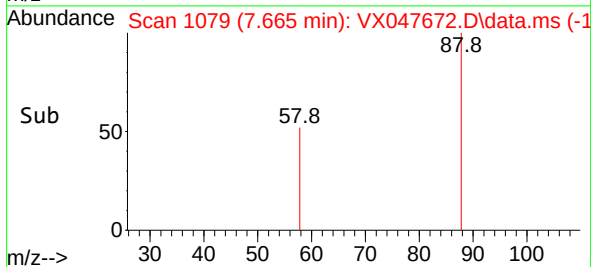
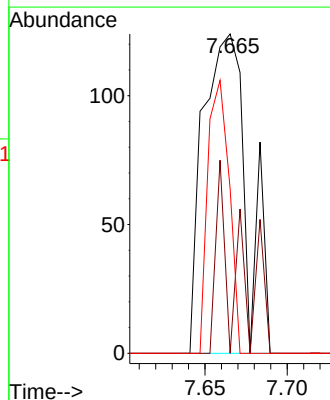
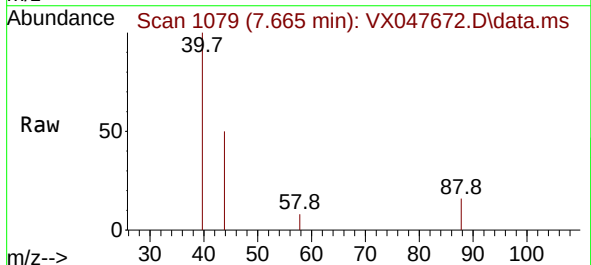
Instrument :
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RE104D1-20250910

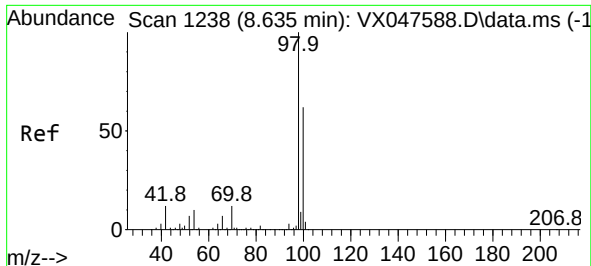
Tgt Ion:130 Resp: 104006
Ion Ratio Lower Upper
130 100
95 98.9 0.0 210.8



#49
1,4-Dioxane
Concen: 8.219 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 11.8 30.2 45.2#
58 41.5 59.5 89.3#

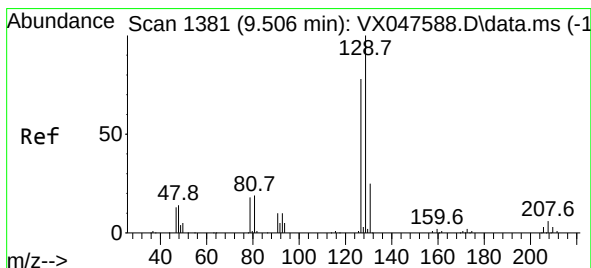
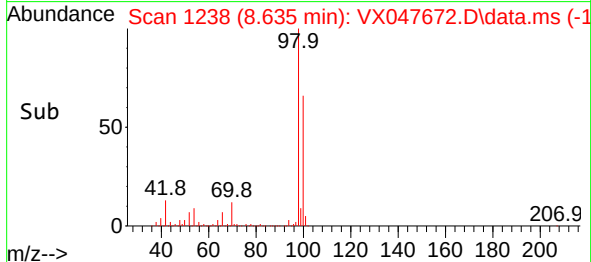
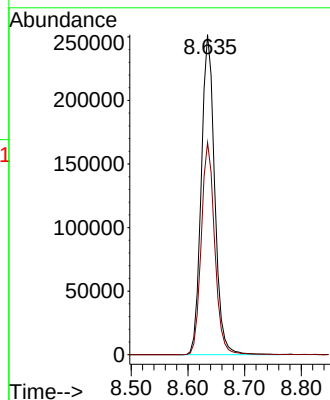
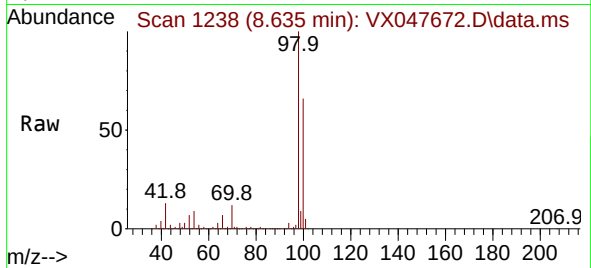




#50
Toluene-d8
Concen: 55.299 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

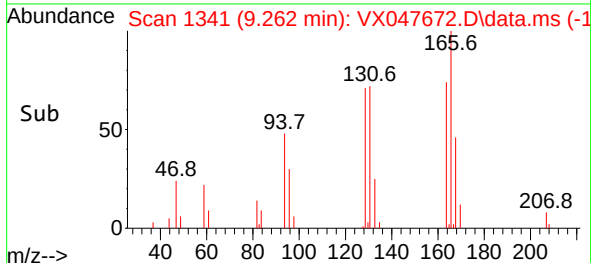
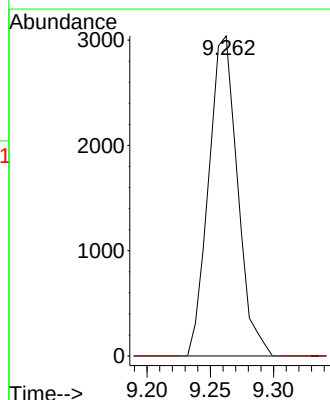
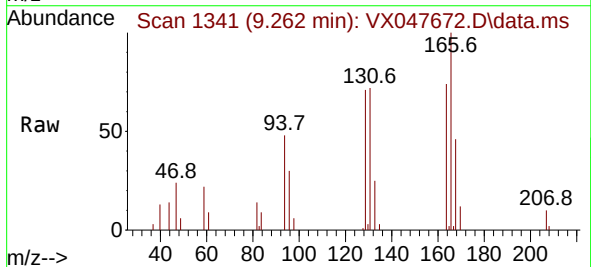
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

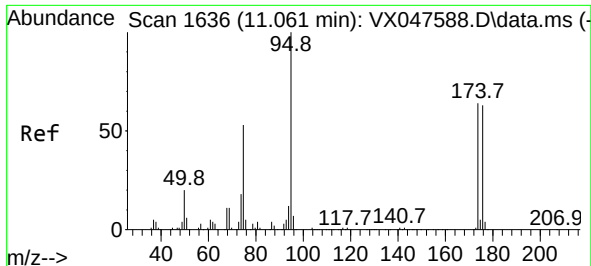
Tgt Ion: 98 Resp: 412746
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#60
Dibromochloromethane
Concen: 1.844 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 129 Resp: 4831
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

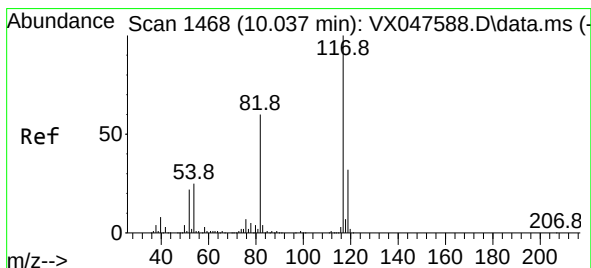
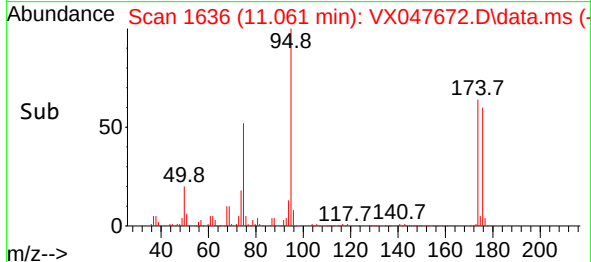
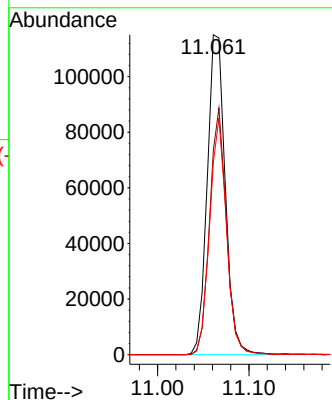
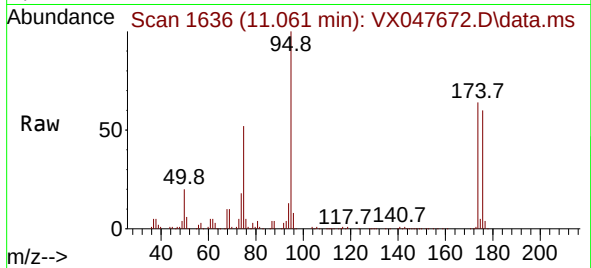




#62
4-Bromofluorobenzene
Concen: 55.574 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

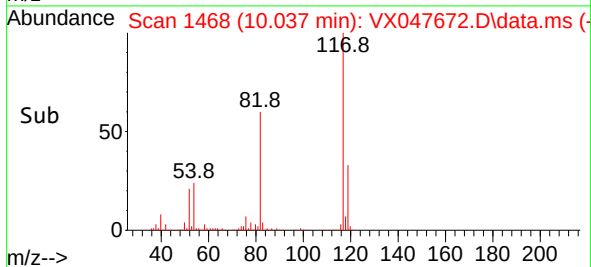
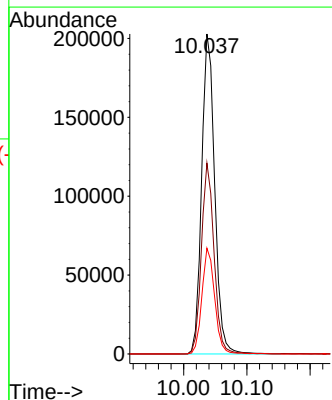
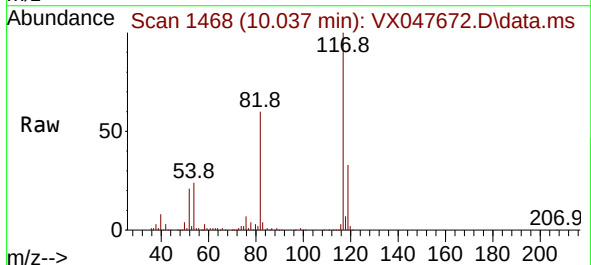
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

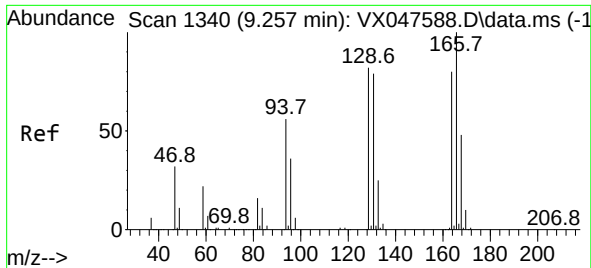
Tgt Ion: 95 Resp: 157423
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 69.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 117 Resp: 291592
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.6
119 33.0 25.2 37.8

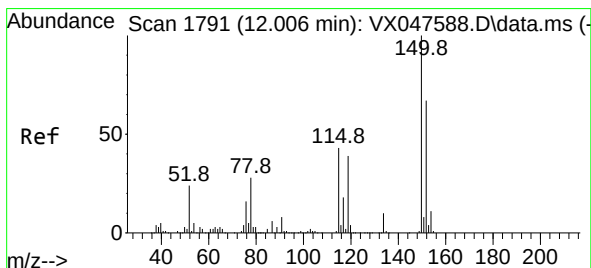
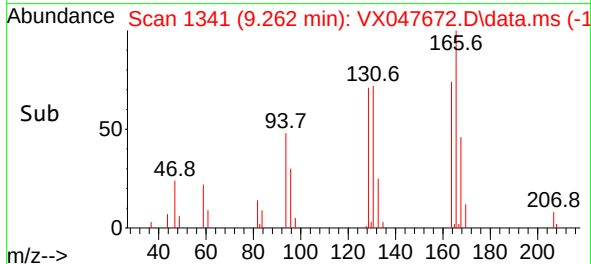
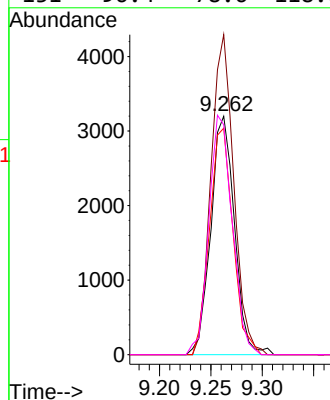
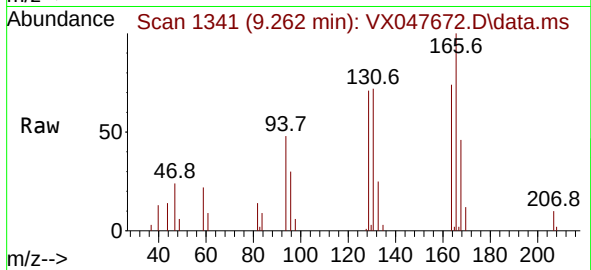




#64
Tetrachloroethene
Concen: 2.691 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

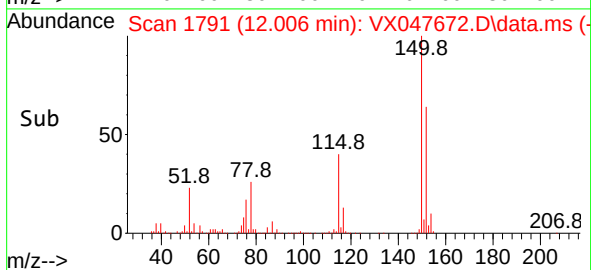
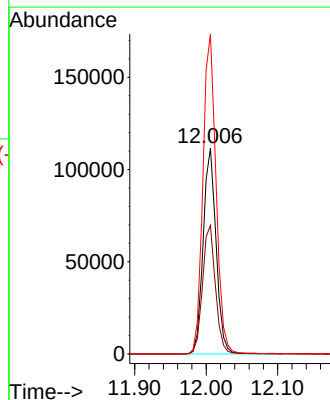
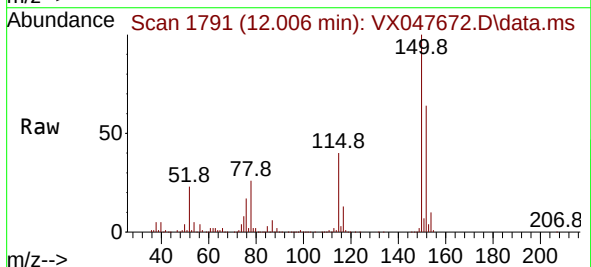
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

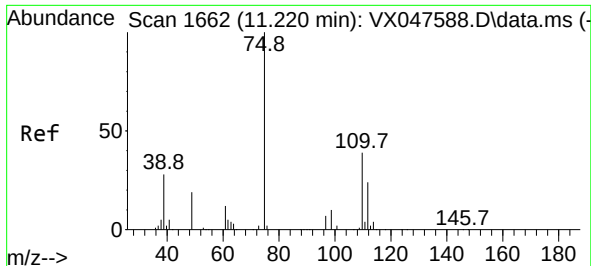
Tgt Ion:164	Resp:	5115
Ion	Ratio	Lower Upper
164	100	
166	134.2	100.2 150.2
129	95.1	81.8 122.6
131	96.4	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:152	Resp:	140121
Ion	Ratio	Lower Upper
152	100	
115	62.5	44.9 134.5
150	158.0	0.0 352.0

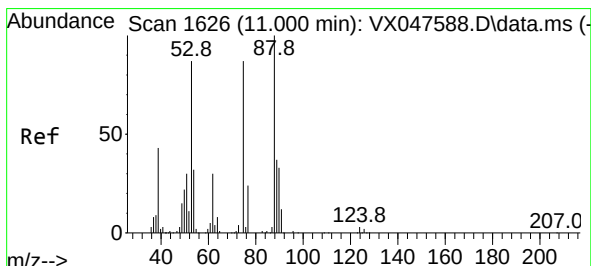
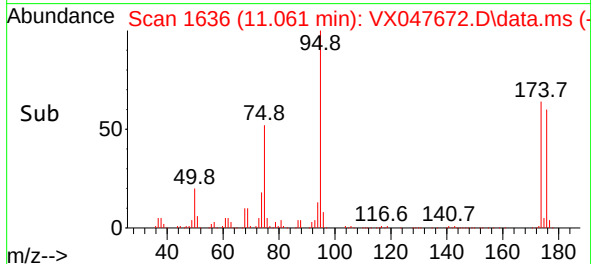
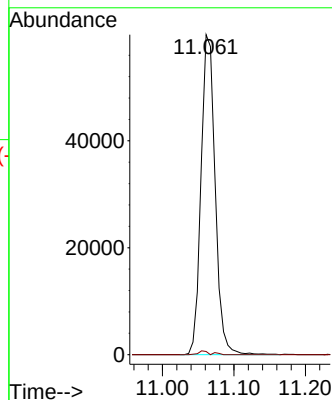
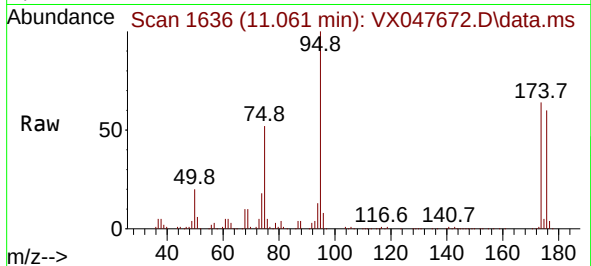




#76
1,2,3-Trichloropropane
Concen: 29.004 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion: 75 Resp: 82284
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.964 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 75 Resp: 82284
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

