

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047714.D
 Acq On : 22 Sep 2025 18:37
 Operator : JC/MD
 Sample : Q3097-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20250911

Quant Time: Sep 23 01:41:10 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

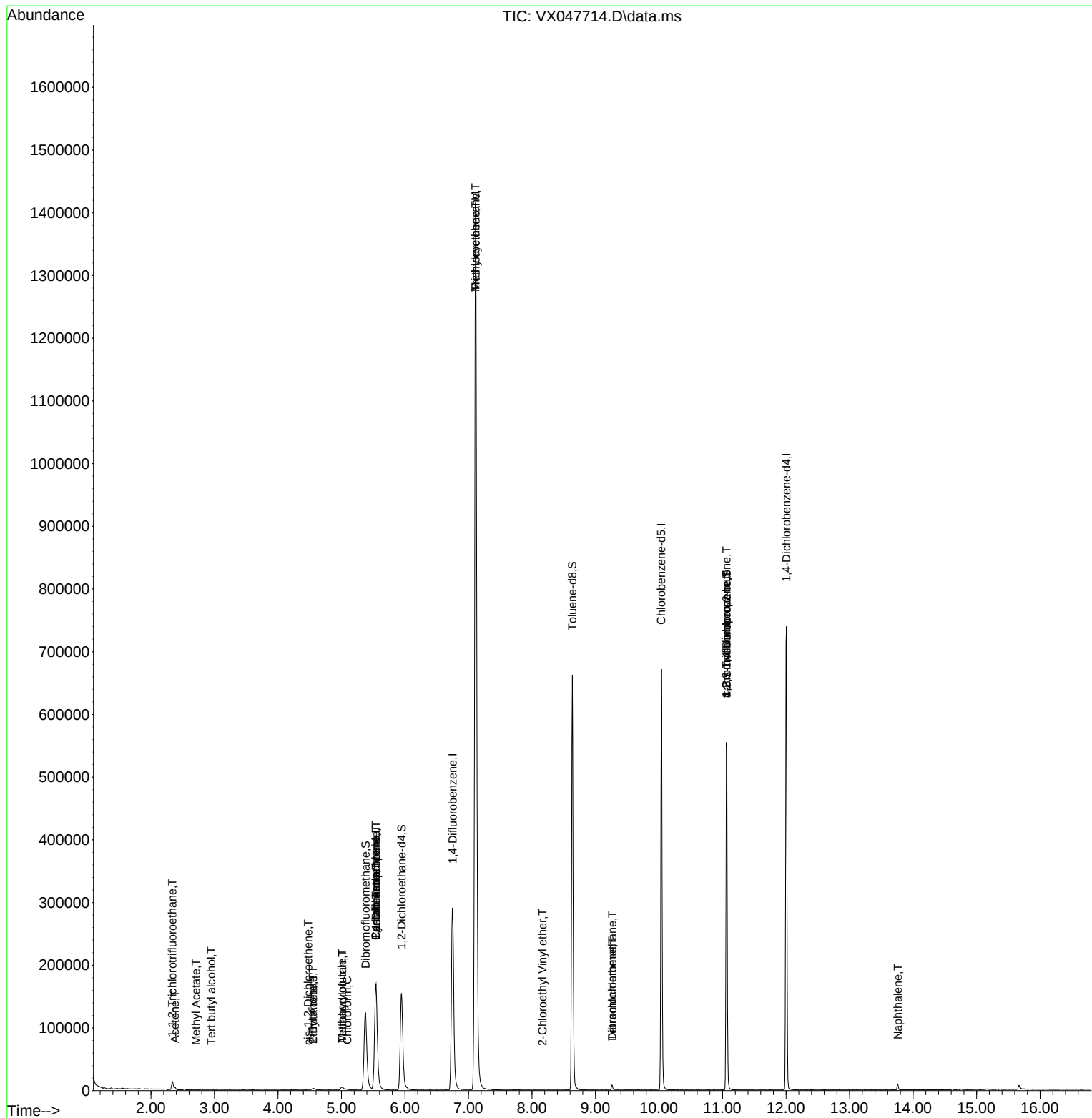
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	170097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	165106	60.981	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 121.960%#	
35) Dibromofluoromethane	5.379	113	120701	55.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.600%	
50) Toluene-d8	8.635	98	401455	53.156	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.320%	
62) 4-Bromofluorobenzene	11.061	95	163320	56.980	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.960%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	5948	3.023	ug/l	99
11) Tert butyl alcohol	2.947	59	162	0.537	ug/l #	72
16) Acetone	2.380	43	4180	3.551	ug/l #	86
18) Methyl Acetate	2.709	43	991	0.378	ug/l #	84
25) 2-Butanone	4.550	43	4251	2.895	ug/l #	78
27) cis-1,2-Dichloroethene	4.477	96	622	0.233	ug/l	74
29) Tetrahydrofuran	5.013	42	5930	6.713	ug/l	90
30) Chloroform	5.092	83	1101	0.254	ug/l	94
31) Cyclohexane	5.544	56	3859	1.079	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	13944	4.372	ug/l #	52
37) Ethyl Acetate	4.550	43	4251	1.245	ug/l #	71
38) Carbon Tetrachloride	5.544	117	18484	5.334	ug/l #	17
39) Methylcyclohexane	7.110	83	6839	1.889	ug/l #	1
41) Methacrylonitrile	5.007	41	3384	1.920	ug/l #	42
44) Trichloroethene	7.110	130	587164	250.718	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.165	63	250	8.038	ug/l #	47
60) Dibromochloromethane	9.262	129	1610	0.607	ug/l #	11
64) Tetrachloroethene	9.262	164	1713	0.870	ug/l #	92
76) 1,2,3-Trichloropropane	11.061	75	85108	26.943	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	85108	68.708	ug/l #	8
95) Naphthalene	13.762	128	6878	0.672	ug/l	97

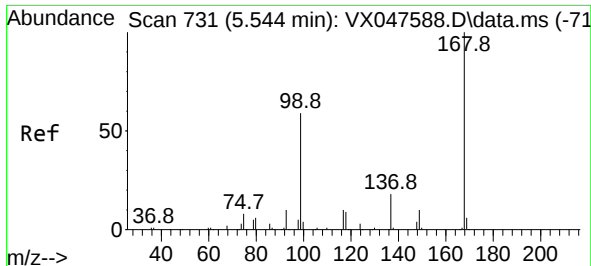
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
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MSVOA_X
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RE103D2-20250911

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

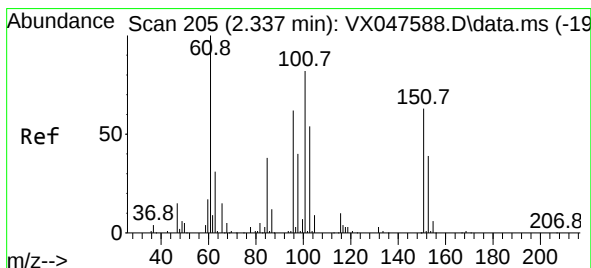
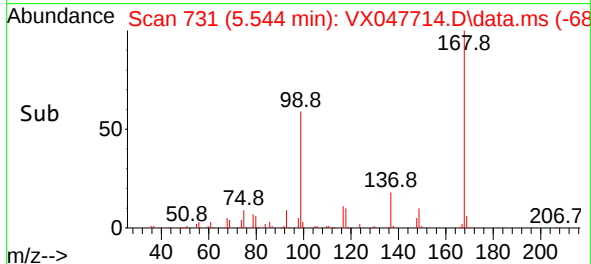
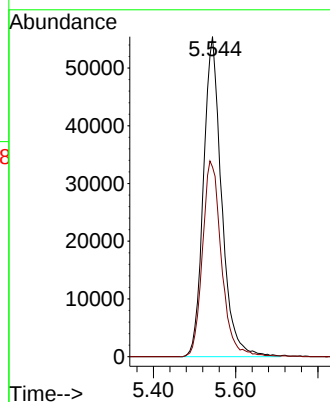
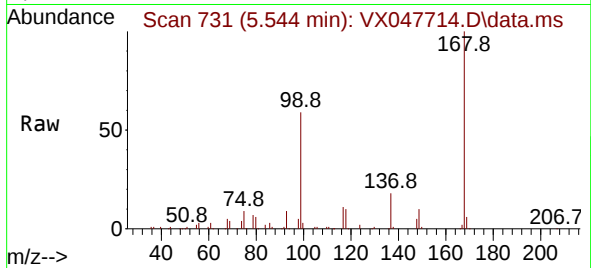




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

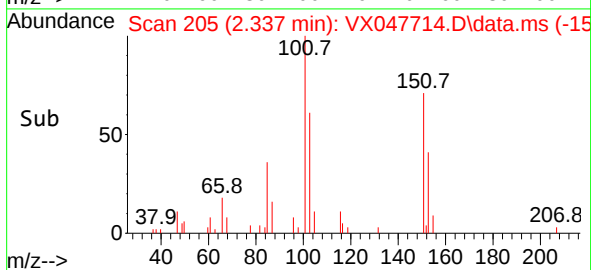
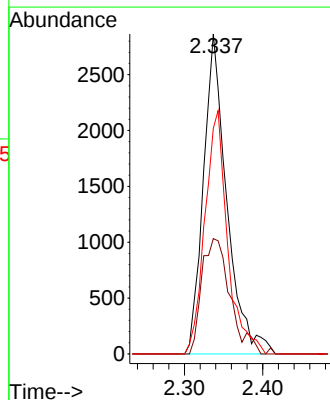
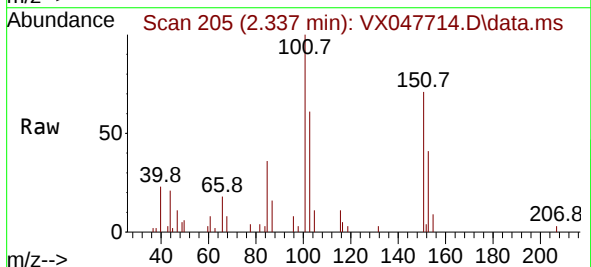
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

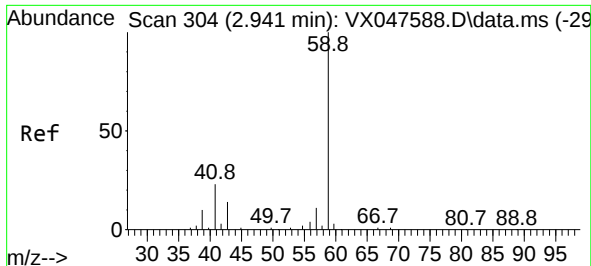
Tgt Ion:168 Resp: 170097
Ion Ratio Lower Upper
168 100
99 59.2 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.023 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion:101 Resp: 5948
Ion Ratio Lower Upper
101 100
85 43.5 35.5 53.3
151 73.6 59.4 89.0

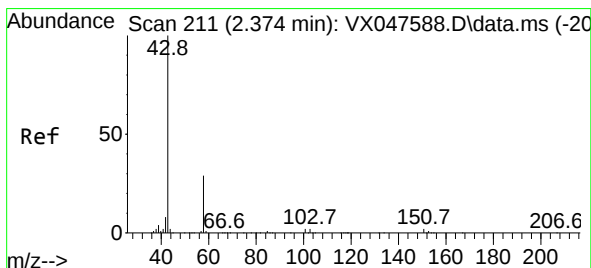
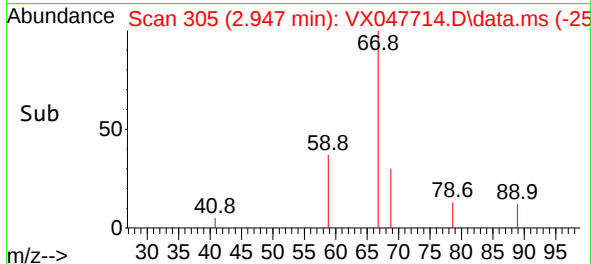
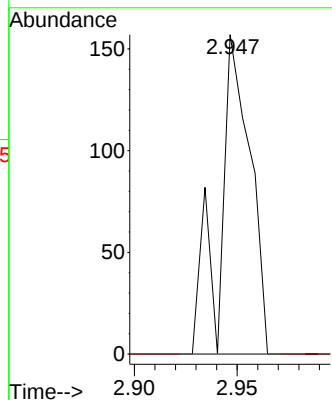
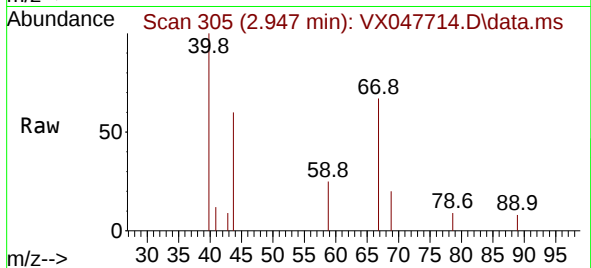




#11
Tert butyl alcohol
Concen: 0.537 ug/l
RT: 2.947 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

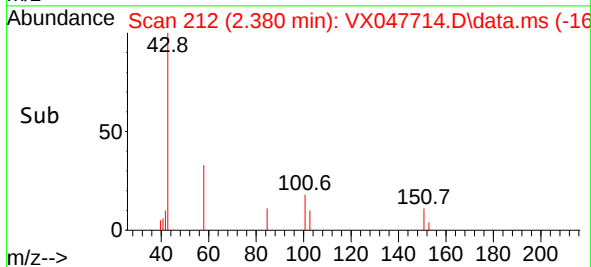
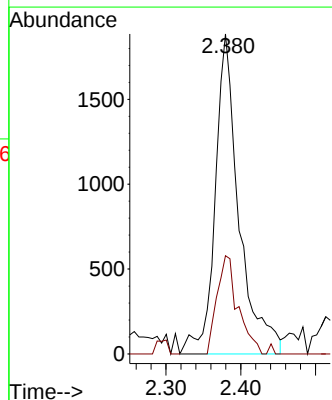
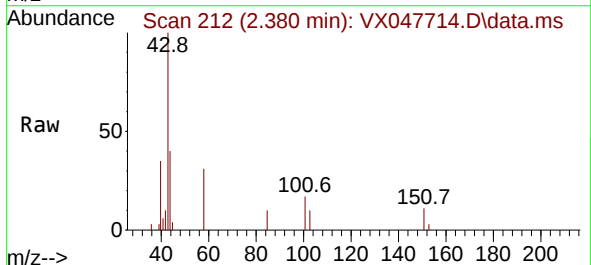
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

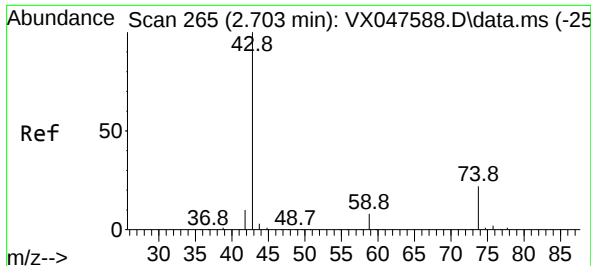
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.551 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
58 21.9 23.4 35.0#





#18

Methyl Acetate

Concen: 0.378 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

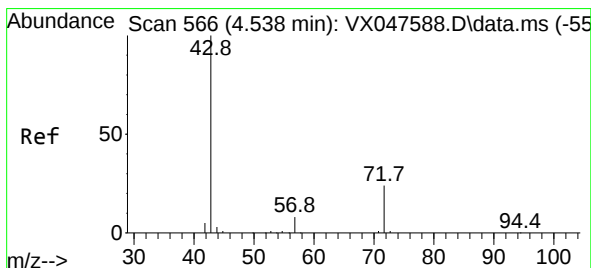
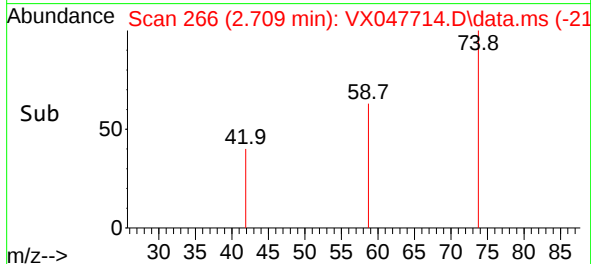
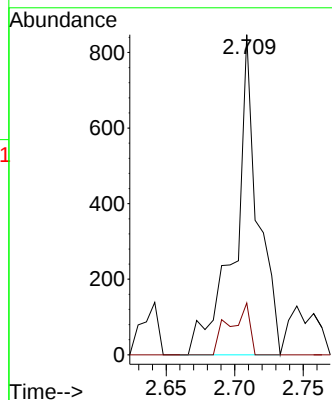
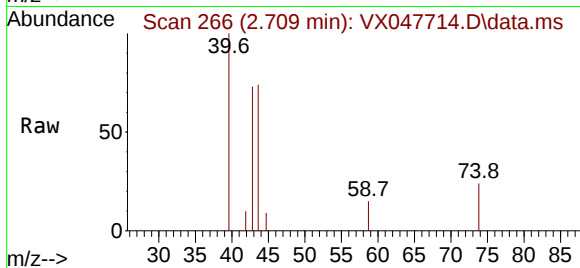
RE103D2-20250911

Tgt Ion: 43 Resp: 991

Ion Ratio Lower Upper

43 100

74 14.1 17.4 26.2#



#25

2-Butanone

Concen: 2.895 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.012 min

Lab File: VX047714.D

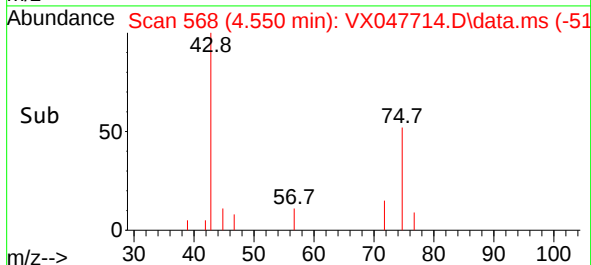
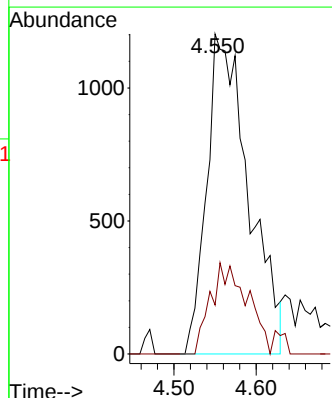
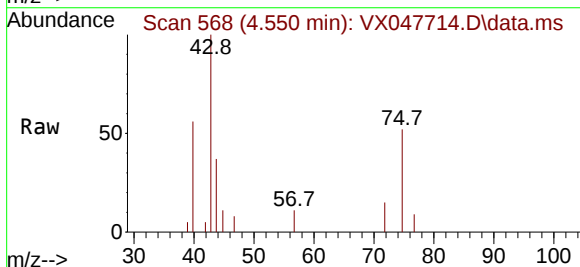
Acq: 22 Sep 2025 18:37

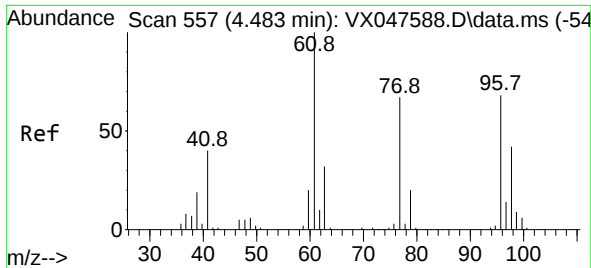
Tgt Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

72 14.2 20.1 30.1#





#27

cis-1,2-Dichloroethene

Concen: 0.233 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20250911

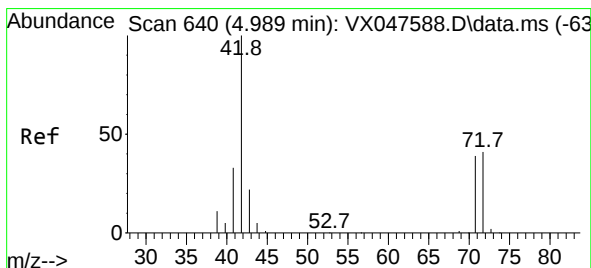
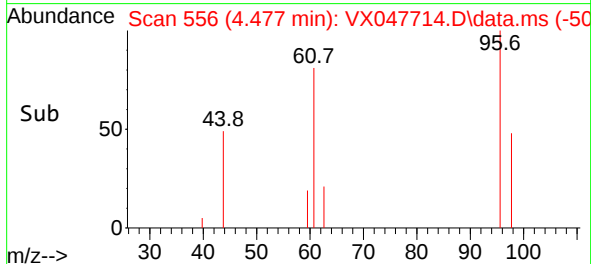
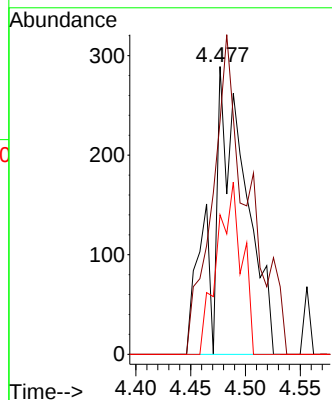
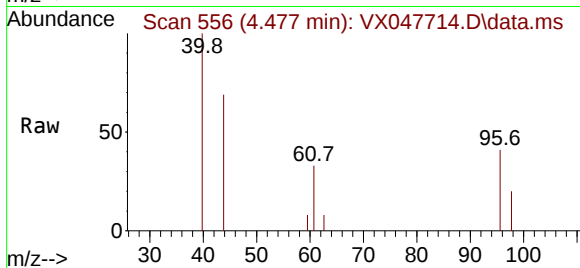
Tgt Ion: 96 Resp: 622

Ion Ratio Lower Upper

96 100

61 118.3 0.0 303.2

98 43.9 0.0 127.8



#29

Tetrahydrofuran

Concen: 6.713 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

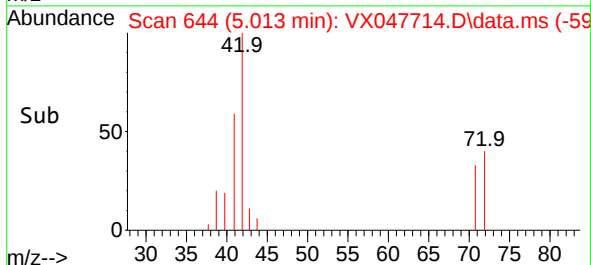
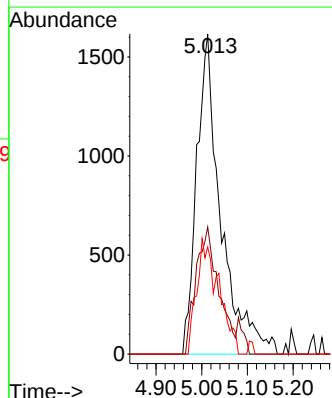
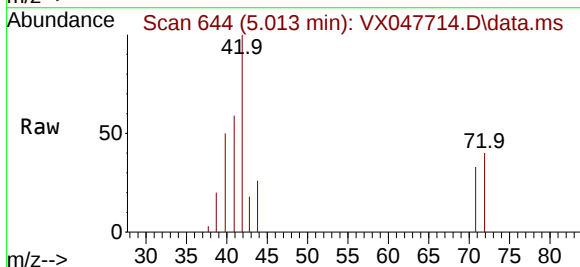
Tgt Ion: 42 Resp: 5930

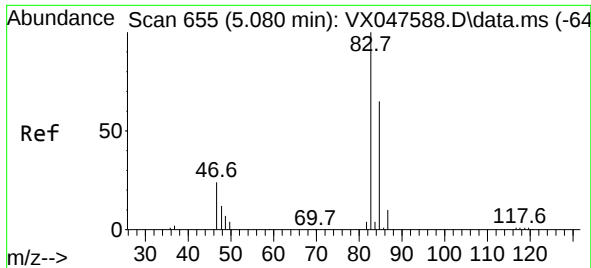
Ion Ratio Lower Upper

42 100

72 37.3 34.2 51.2

71 33.1 31.9 47.9

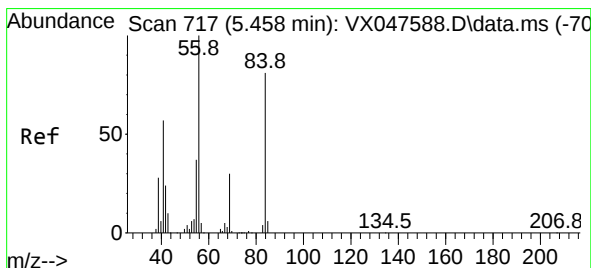
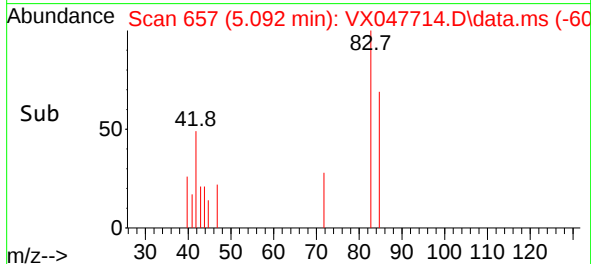
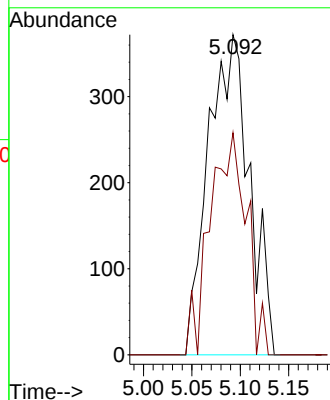
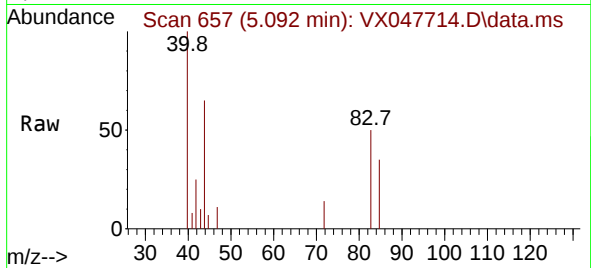




#30
Chloroform
Concen: 0.254 ug/l
RT: 5.092 min Scan# 610
Delta R.T. 0.012 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

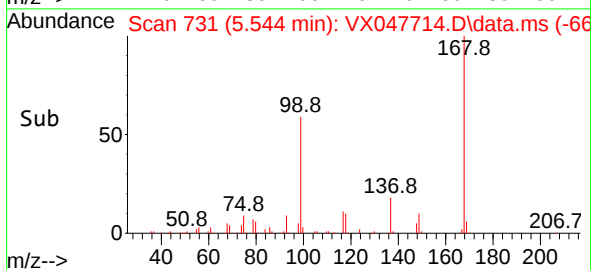
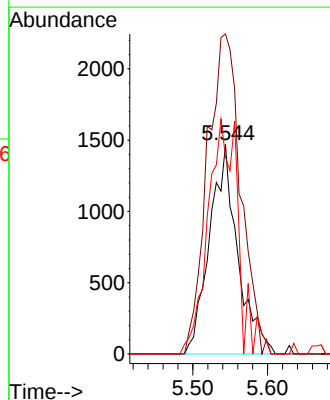
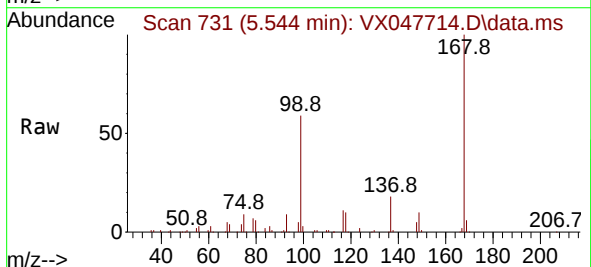
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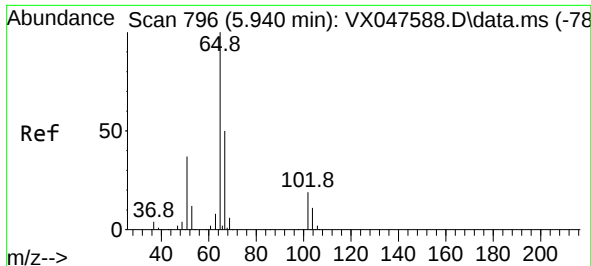
Tgt Ion: 83 Resp: 1101
Ion Ratio Lower Upper
83 100
85 69.4 51.8 77.6



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 56 Resp: 3859
Ion Ratio Lower Upper
56 100
69 152.7 23.8 35.8#
84 93.9 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 60.981 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

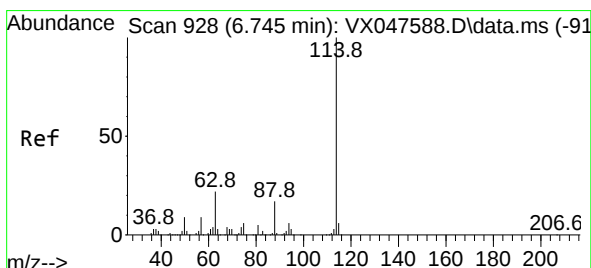
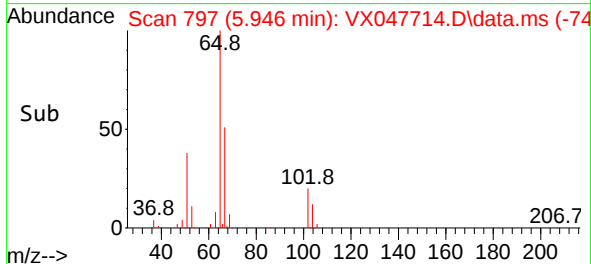
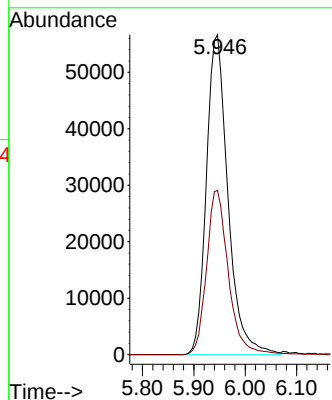
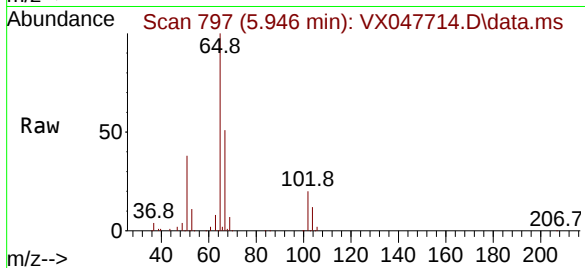
RE103D2-20250911

Tgt Ion: 65 Resp: 165106

Ion Ratio Lower Upper

65 100

67 52.1 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: VX047714.D

Acq: 22 Sep 2025 18:37

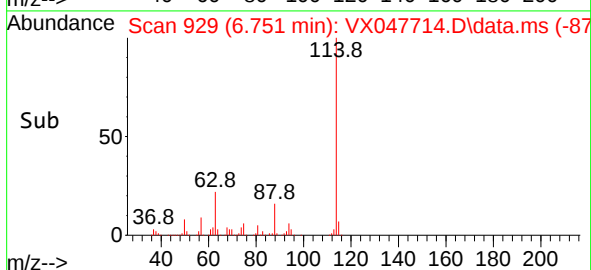
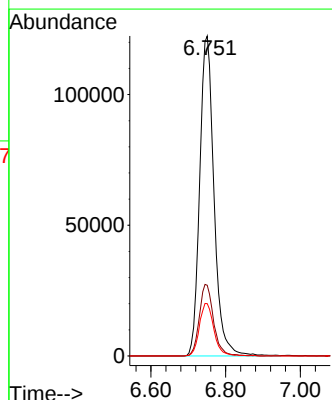
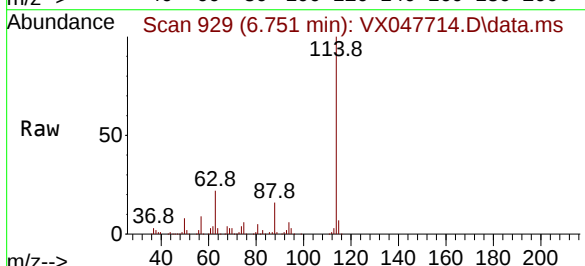
Tgt Ion: 114 Resp: 325449

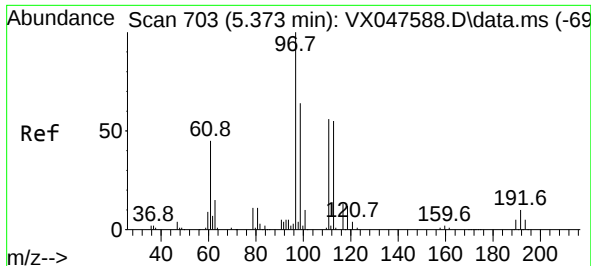
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.3 0.0 34.2

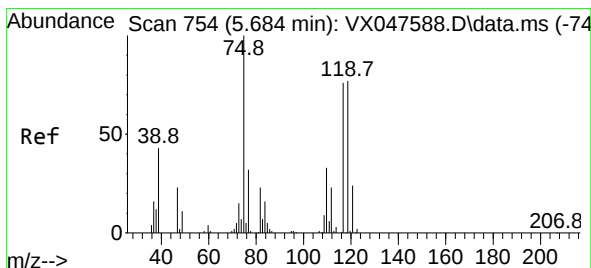
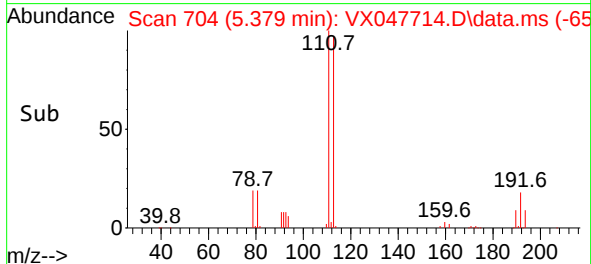
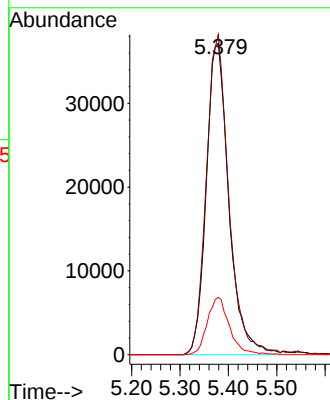
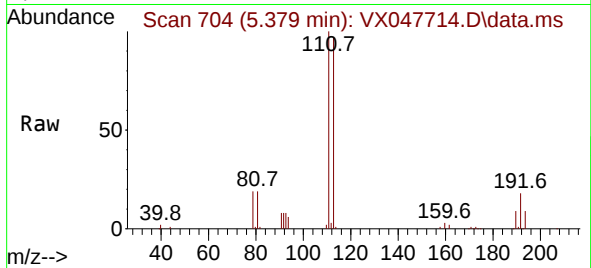




#35
Dibromofluoromethane
Concen: 55.300 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

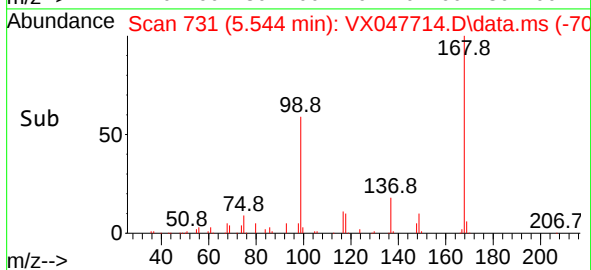
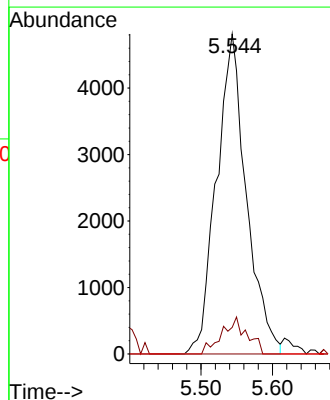
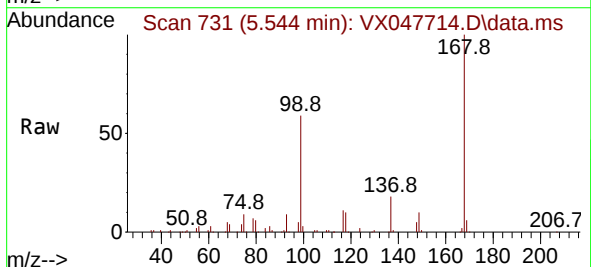
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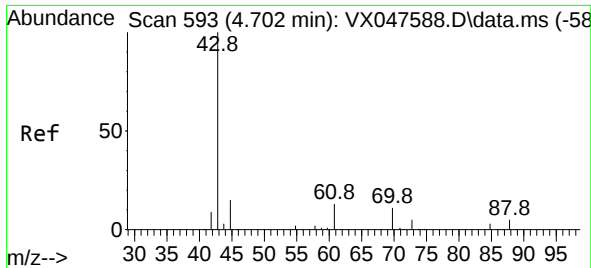
Tgt Ion:113 Resp: 120701
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 75 Resp: 13944
Ion Ratio Lower Upper
75 100
110 9.6 16.7 50.1#
77 0.0 24.3 36.5#

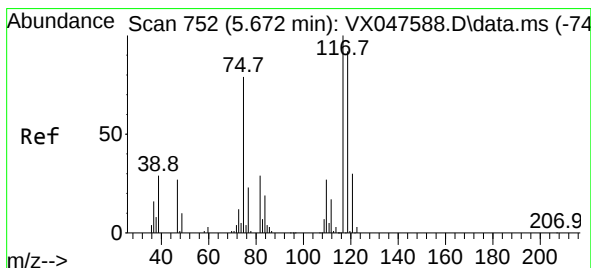
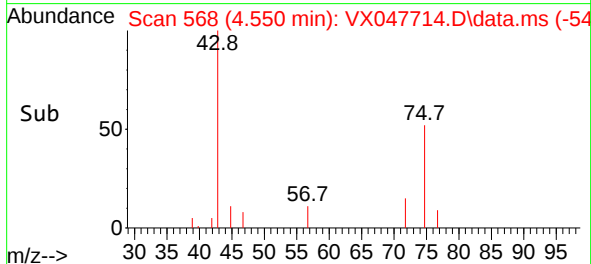
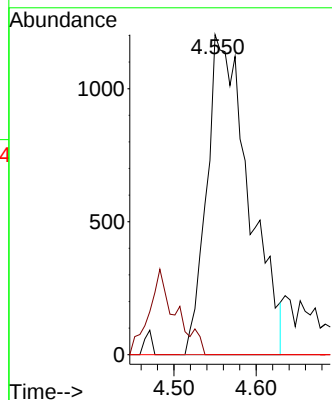
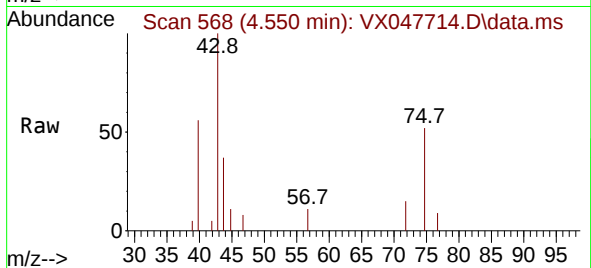




#37
Ethyl Acetate
Concen: 1.245 ug/l
RT: 4.550 min Scan# 509
Delta R.T. -0.153 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

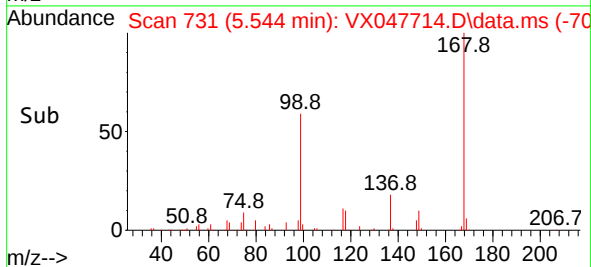
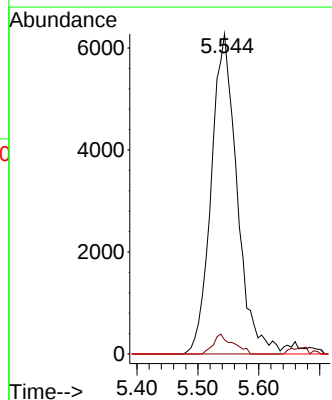
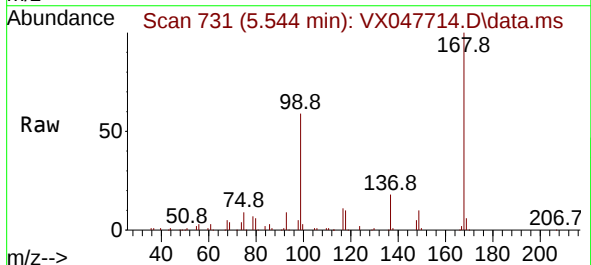
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

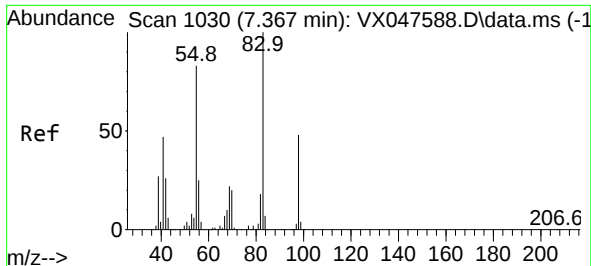
Tgt Ion: 43 Resp: 4251
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 117 Resp: 18484
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 23.8 35.6#

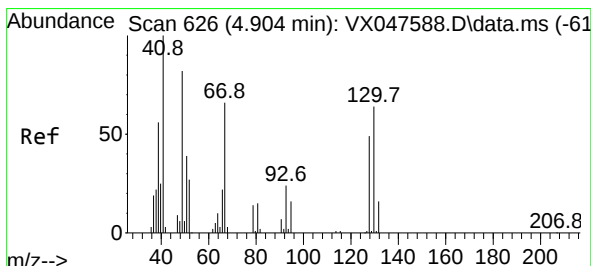
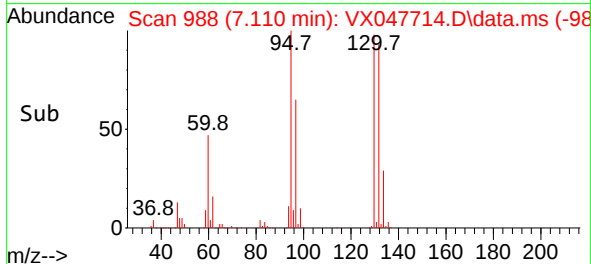
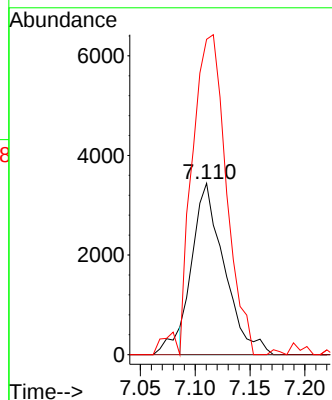
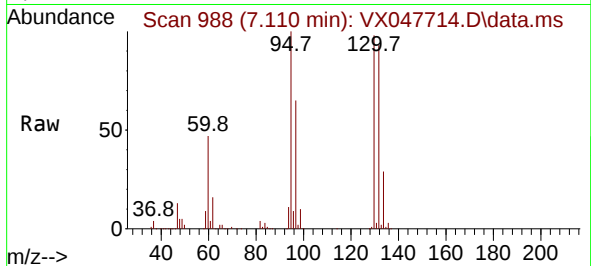




#39
Methylcyclohexane
Concen: 1.889 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

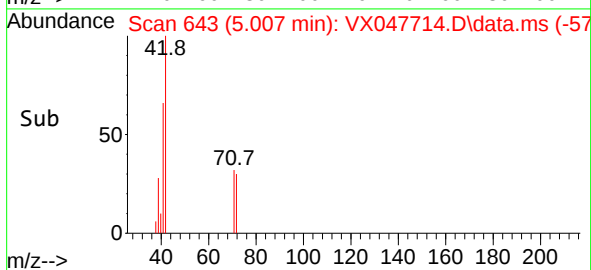
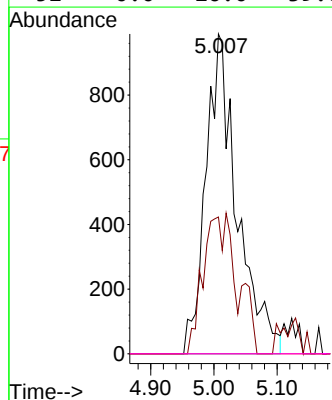
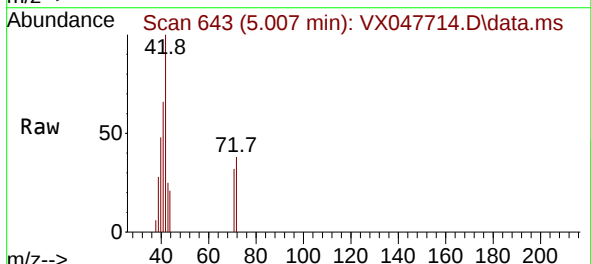
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

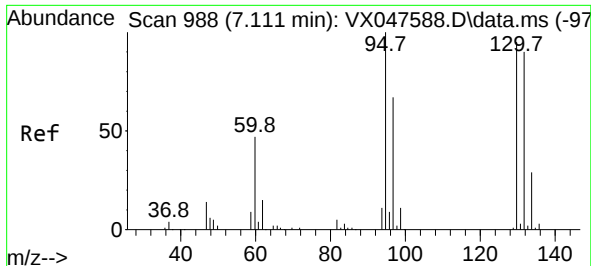
Tgt Ion: 83 Resp: 6839
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 285.0 38.1 57.1#



#41
Methacrylonitrile
Concen: 1.920 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.103 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 41 Resp: 3384
Ion Ratio Lower Upper
41 100
39 39.7 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

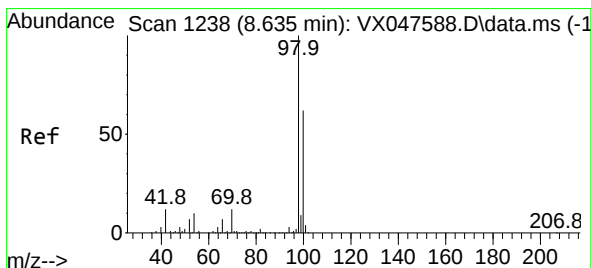
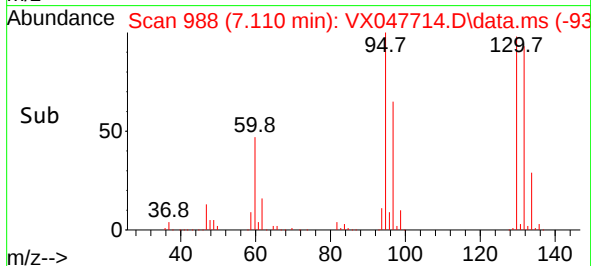
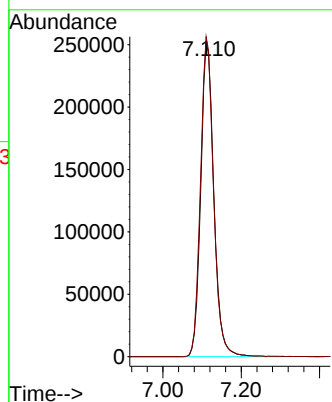
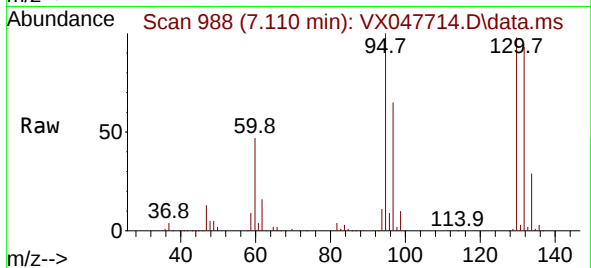




#44
Trichloroethene
Concen: 250.718 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

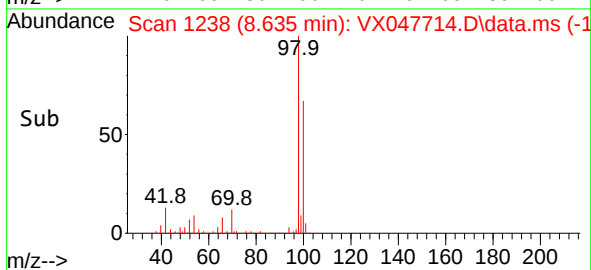
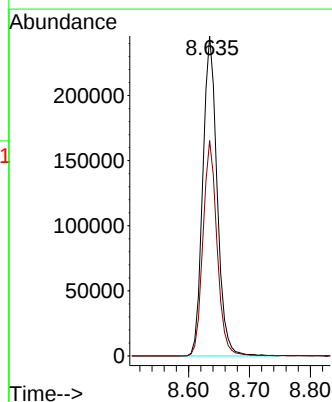
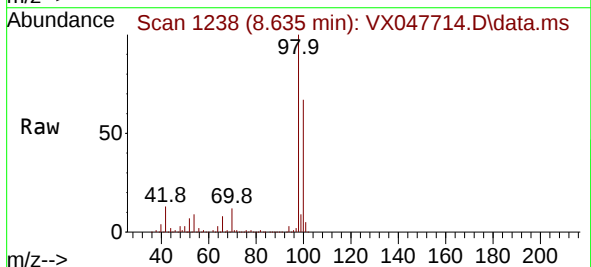
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

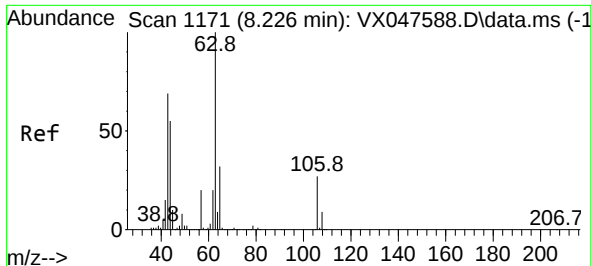
Tgt Ion:130 Resp: 587164
Ion Ratio Lower Upper
130 100
95 101.7 0.0 210.8



#50
Toluene-d8
Concen: 53.156 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 98 Resp: 401455
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

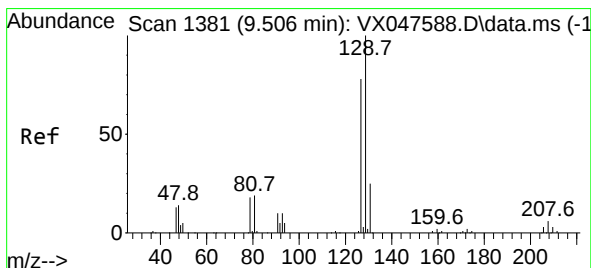
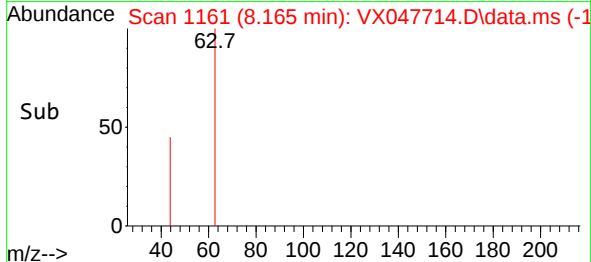
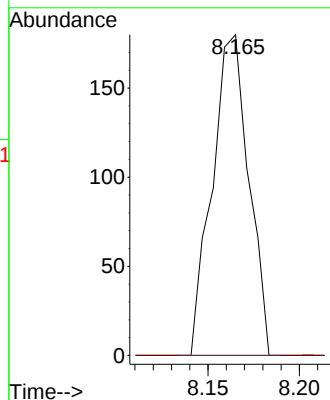
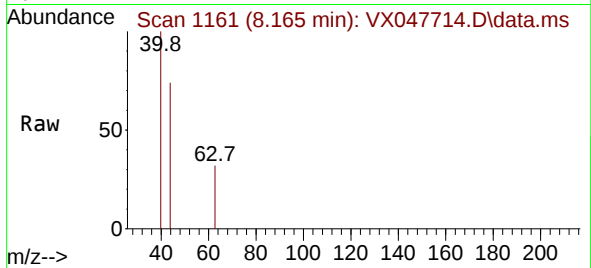




#58
2-Chloroethyl Vinyl ether
Concen: 8.038 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

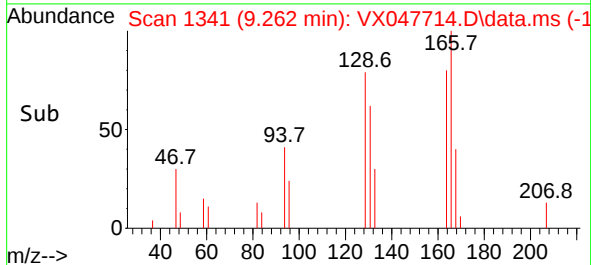
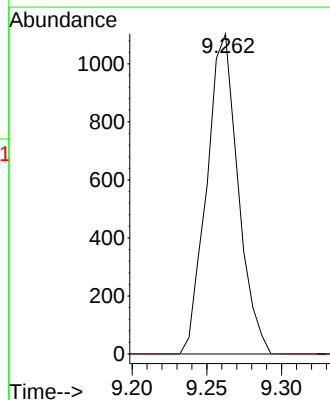
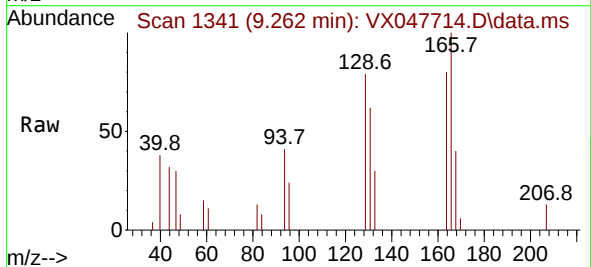
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

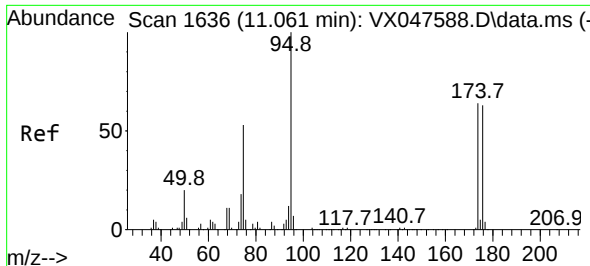
Tgt Ion: 63 Resp: 250
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#60
Dibromochloromethane
Concen: 0.607 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 129 Resp: 1610
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

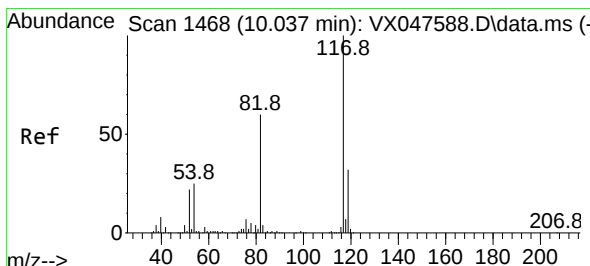
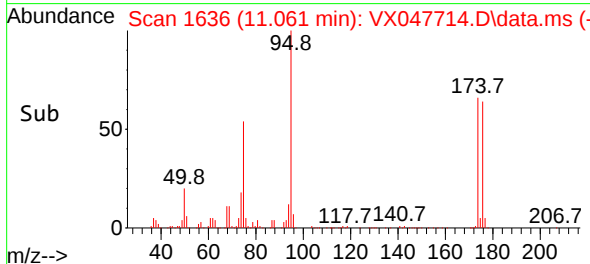
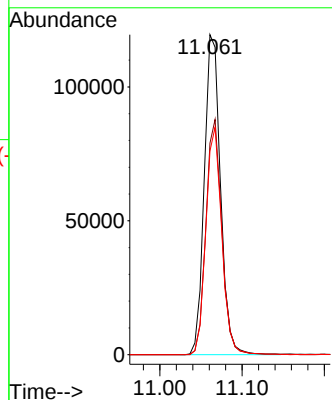
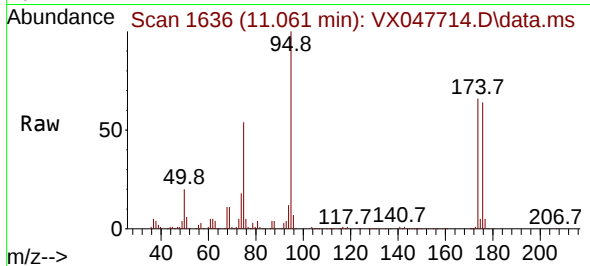




#62
4-Bromofluorobenzene
Concen: 56.980 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

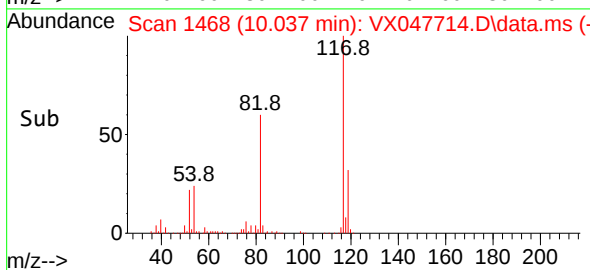
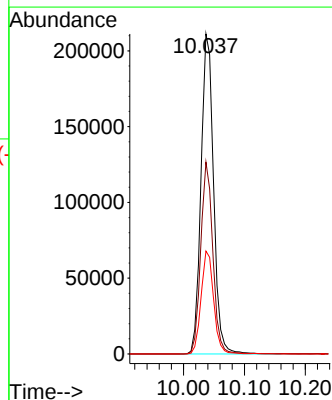
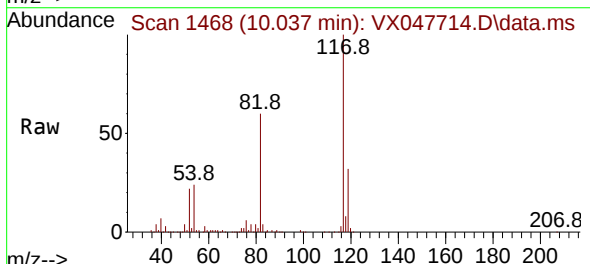
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

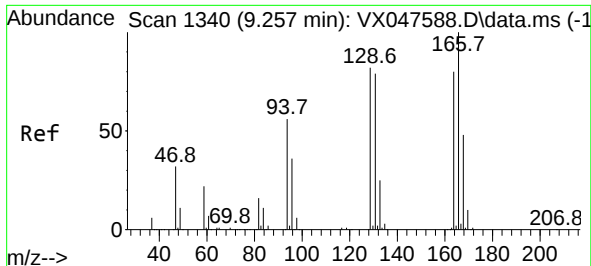
Tgt Ion: 95 Resp: 163320
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.6
176 69.9 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 117 Resp: 301928
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.6
119 32.1 25.2 37.8

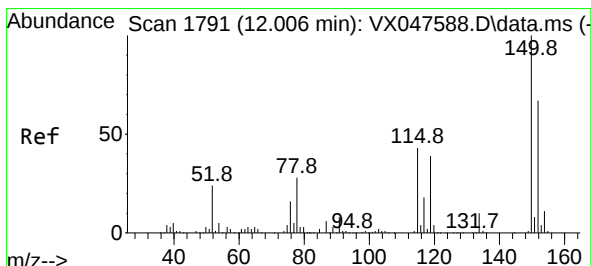
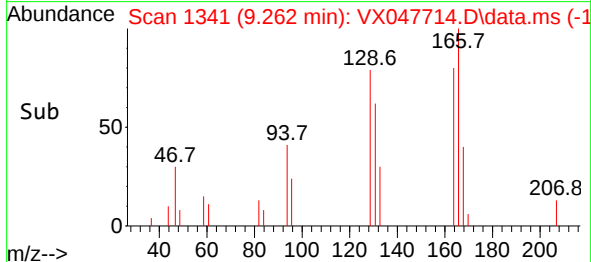
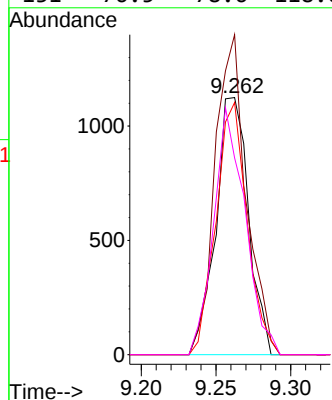
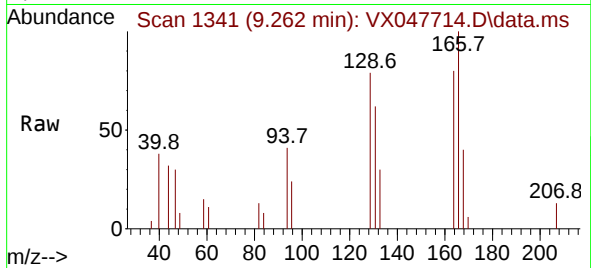




#64
Tetrachloroethene
Concen: 0.870 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

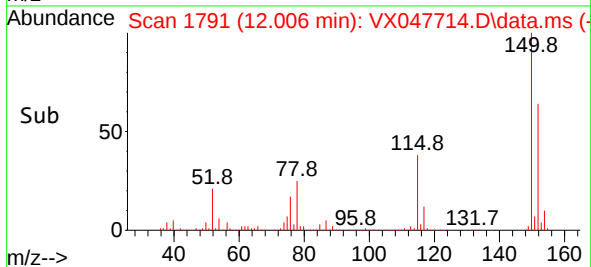
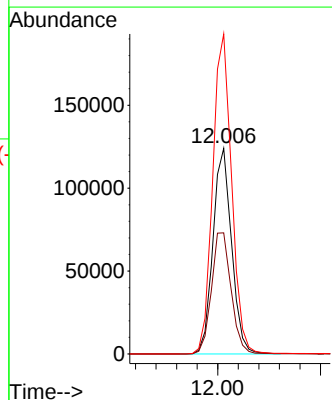
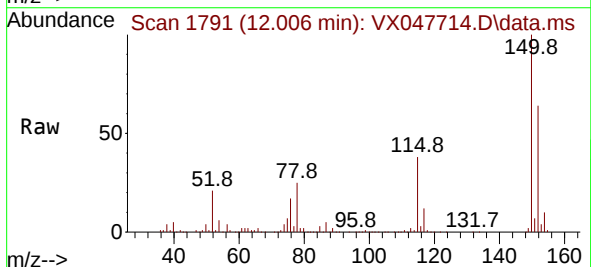
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

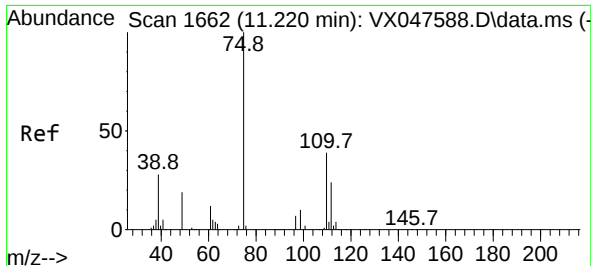
Tgt Ion:164 Resp: 1713
Ion Ratio Lower Upper
164 100
166 124.4 100.2 150.2
129 98.0 81.8 122.6
131 76.5 78.6 118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion:152 Resp: 156017
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 158.1 0.0 352.0

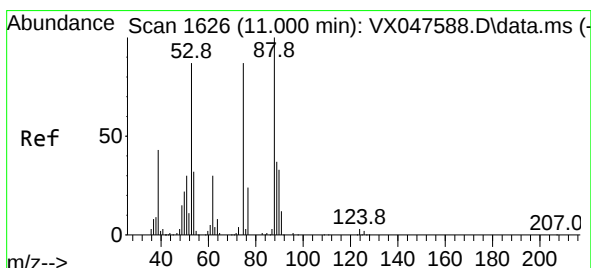
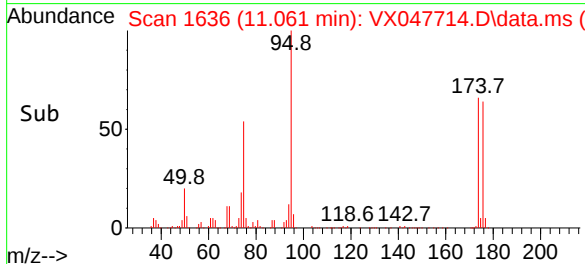
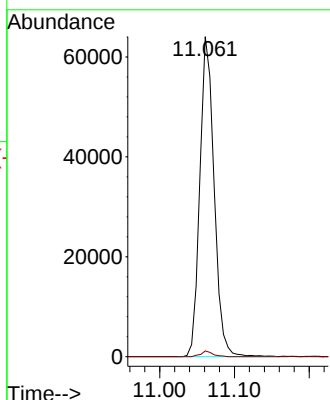
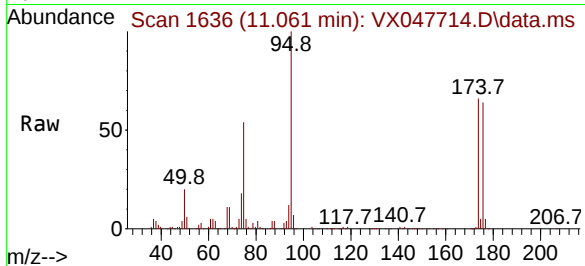




#76
1,2,3-Trichloropropane
Concen: 26.943 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

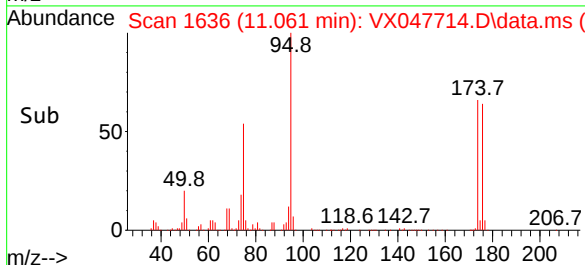
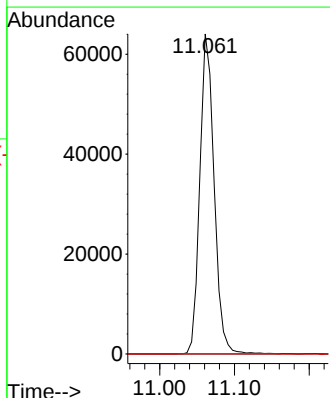
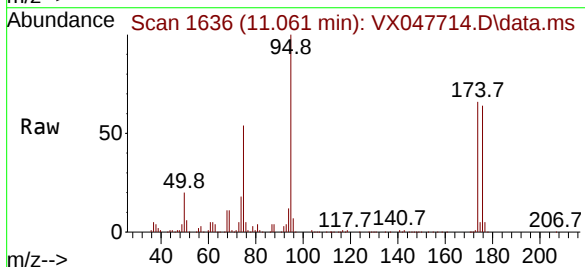
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

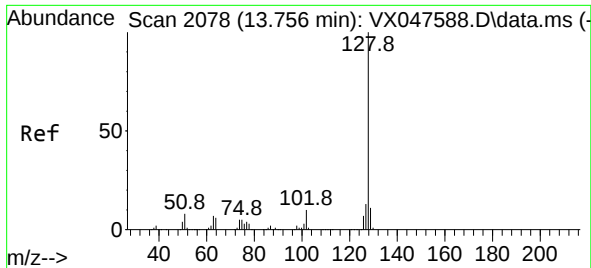
Tgt Ion: 75 Resp: 85108
Ion Ratio Lower Upper
75 100
77 1.5 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.708 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 75 Resp: 85108
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#95

Naphthalene

Concen: 0.672 ug/l

RT: 13.762 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047714.D

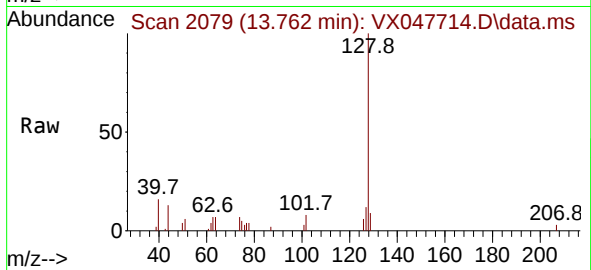
Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20250911



Tgt Ion:128 Resp: 6878

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 9.2 8.8 13.2

