

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047741.D
 Acq On : 23 Sep 2025 17:57
 Operator : JC/MD
 Sample : Q3097-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20250912

Quant Time: Sep 24 01:37:36 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

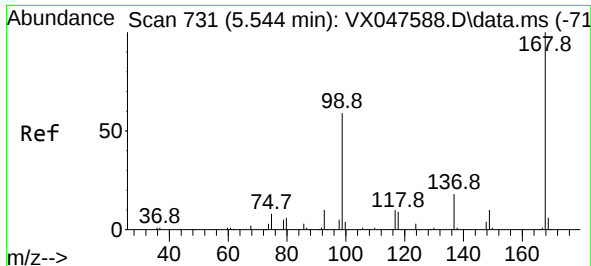
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	139747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109066	49.031	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.060%
35) Dibromofluoromethane	5.379	113	93054	47.746	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.500%
50) Toluene-d8	8.635	98	325685	48.294	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	11.061	95	138234	54.011	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	393	0.272	ug/l #	43
8) Diethyl Ether	2.337	74	417	0.369	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.337	101	697558	431.559	ug/l	99
11) Tert butyl alcohol	2.934	59	57	0.230	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	4100	2.469	ug/l #	79
16) Acetone	2.337	43	7165	7.408	ug/l #	88
20) Methylene Chloride	2.794	84	520	0.254	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	2410	1.101	ug/l	44
31) Cyclohexane	5.532	56	3315	1.128	ug/l #	20
36) 1,1-Dichloropropene	5.538	75	11233	3.944	ug/l #	51
42) 1,2-Dichloroethane	6.074	62	812	0.247	ug/l #	76
44) Trichloroethene	7.111	130	76703	36.679	ug/l	97
45) 1,2-Dichloropropane	7.415	63	2858	1.290	ug/l #	88
48) Methyl methacrylate	7.422	41	1554	0.624	ug/l #	36
49) 1,4-Dioxane	7.678	88	25	0.993	ug/l #	16
51) 4-Methyl-2-Pentanone	8.635	43	1620	0.584	ug/l #	1
60) Dibromochloromethane	9.257	129	57187	24.153	ug/l #	11
64) Tetrachloroethene	9.257	164	57189	30.235	ug/l	98
76) 1,2,3-Trichloropropane	11.061	75	70210	23.972	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	70210	61.131	ug/l #	8

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

Quant Time: Sep 24 01:37:36 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

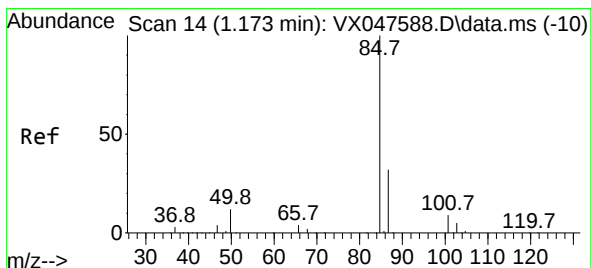
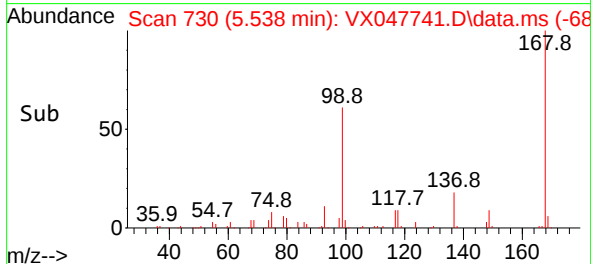
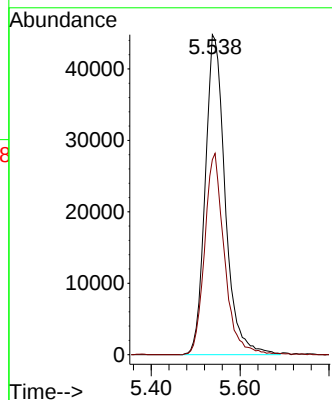
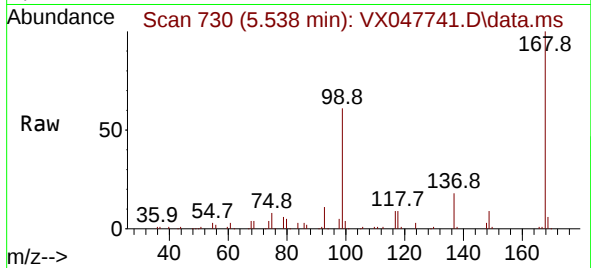




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

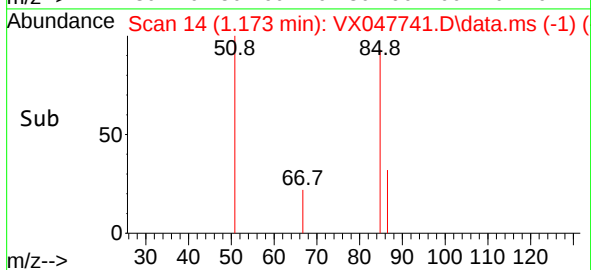
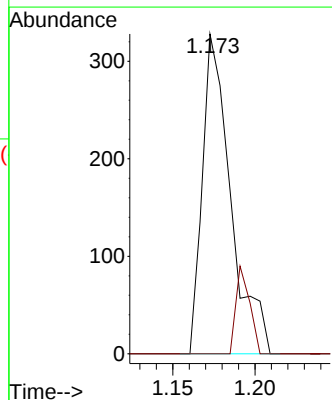
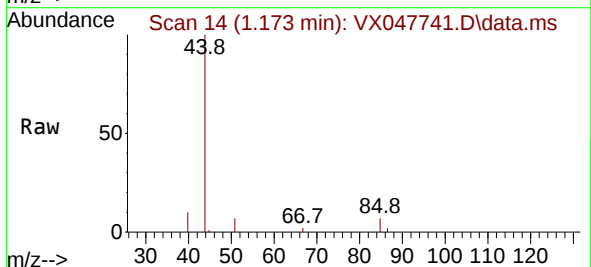
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

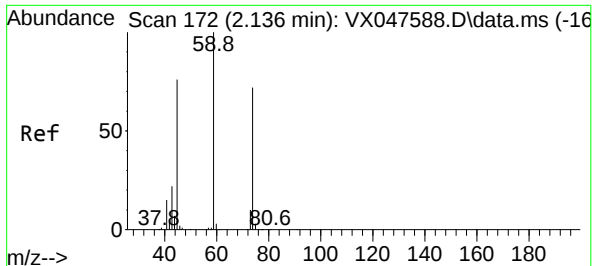
Tgt Ion:168 Resp: 139747
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.272 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

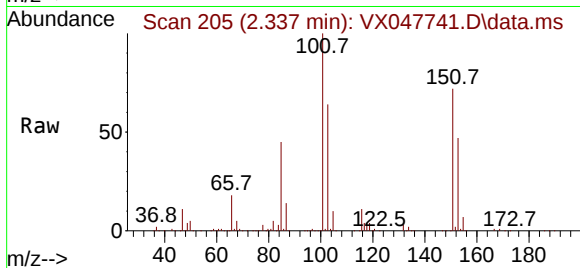
Tgt Ion: 85 Resp: 393
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.3#



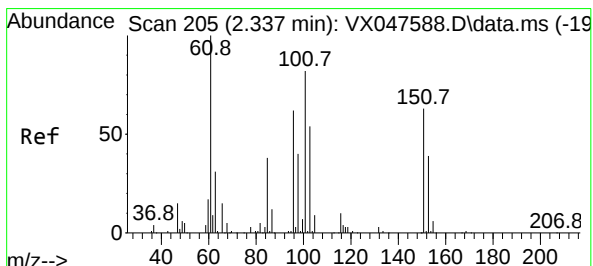
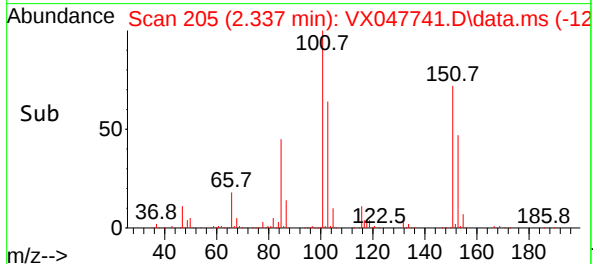
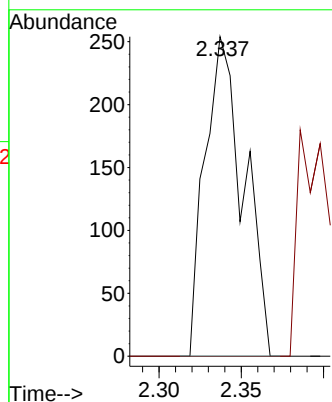


#8
Diethyl Ether
Concen: 0.369 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.201 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

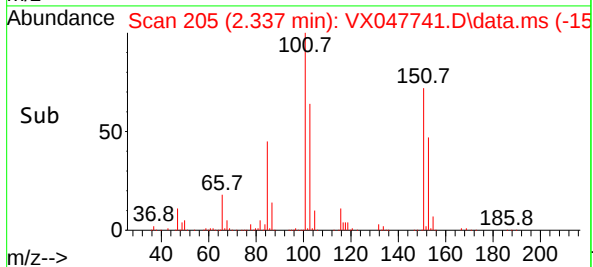
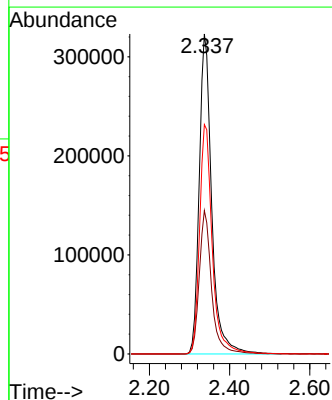
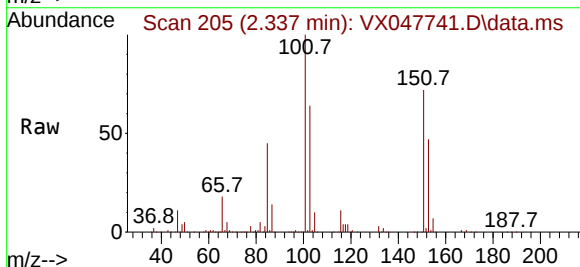


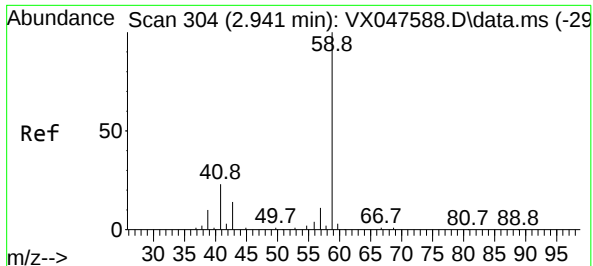
Tgt Ion: 74 Resp: 417
Ion Ratio Lower Upper
74 100
45 0.0 52.3 156.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 431.559 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion:101 Resp: 697558
Ion Ratio Lower Upper
101 100
85 44.3 35.5 53.3
151 73.3 59.4 89.0





#11

Tert butyl alcohol

Concen: 0.230 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

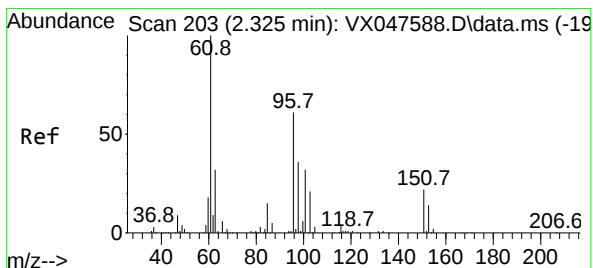
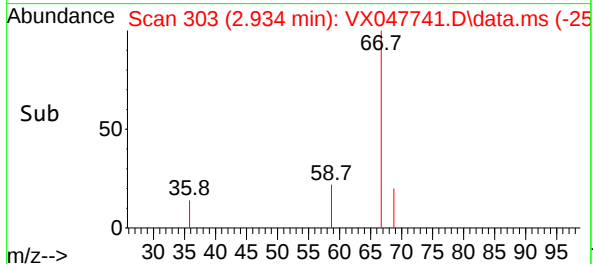
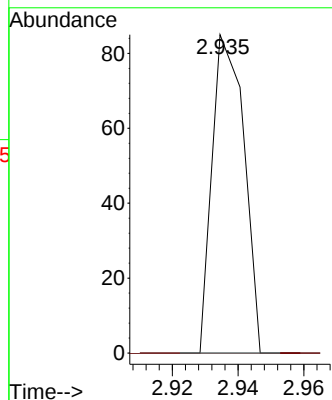
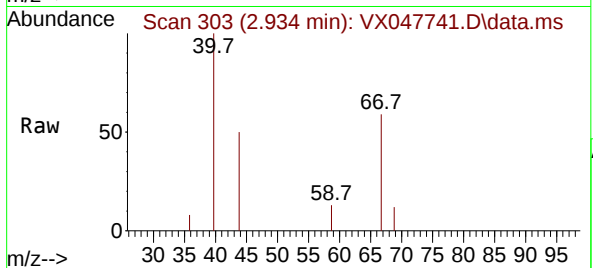
RE134D4-20250912

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 2.469 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

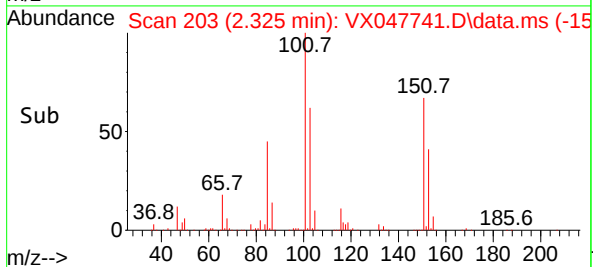
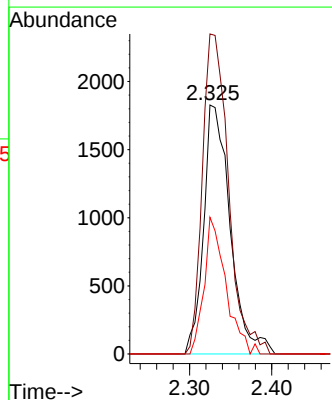
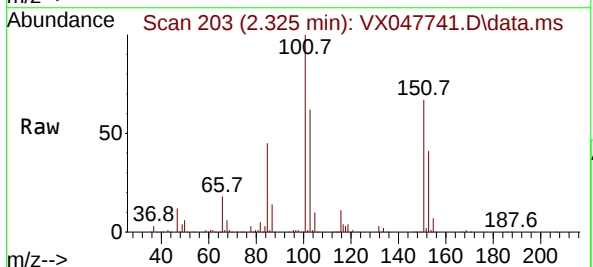
Tgt Ion: 96 Resp: 4100

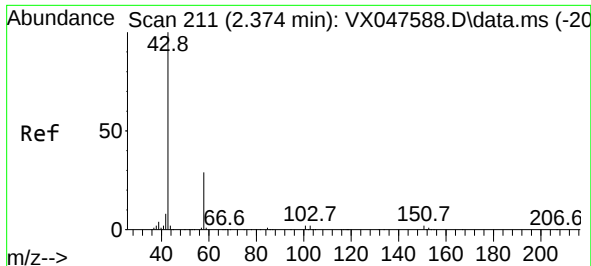
Ion Ratio Lower Upper

96 100

61 128.5 131.0 196.6#

98 54.9 47.7 71.5

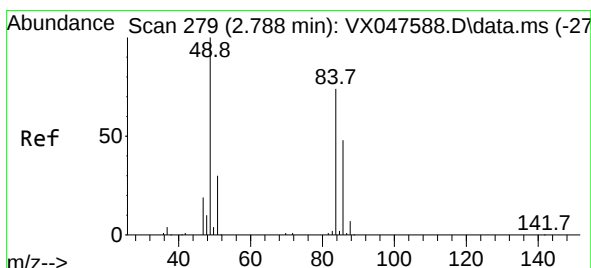
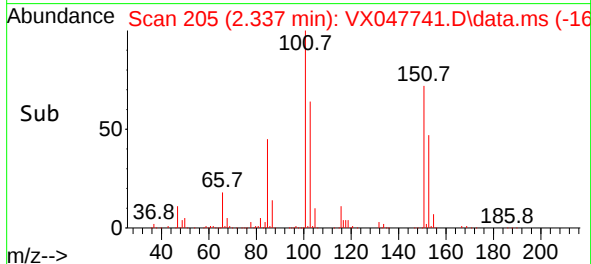
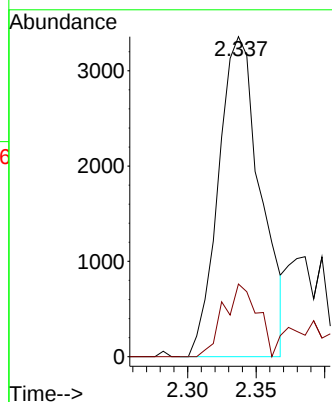
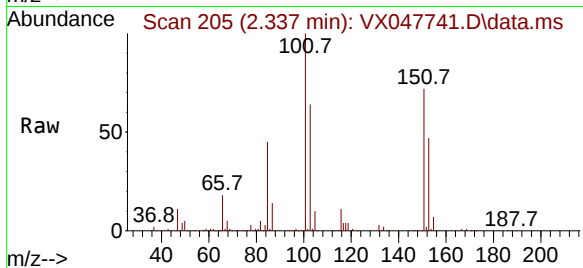




#16
Acetone
Concen: 7.408 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.037 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

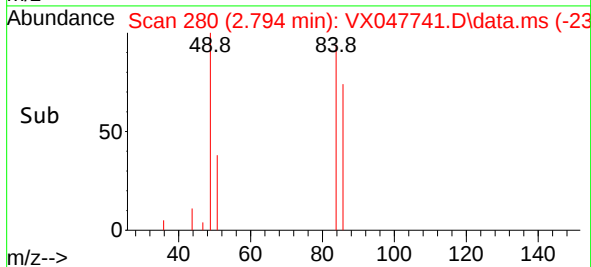
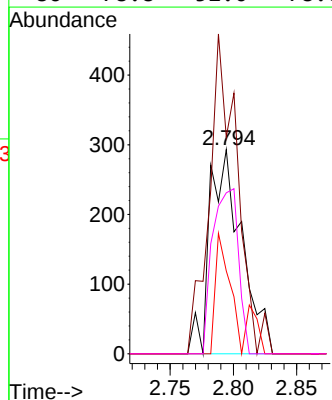
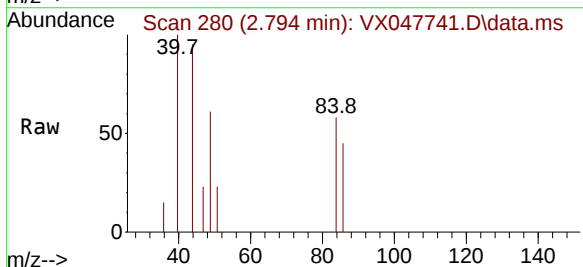
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

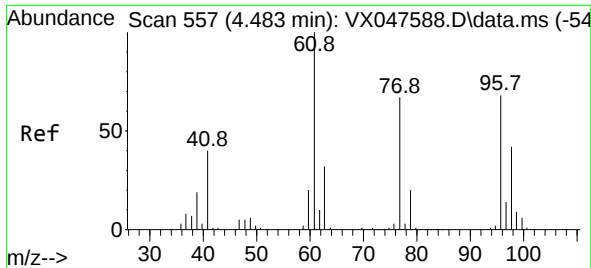
Tgt Ion: 43 Resp: 7165
Ion Ratio Lower Upper
43 100
58 22.7 23.4 35.0#



#20
Methylene Chloride
Concen: 0.254 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion: 84 Resp: 520
Ion Ratio Lower Upper
84 100
49 106.1 108.6 162.8#
51 40.6 32.6 48.8
86 78.8 52.0 78.0#

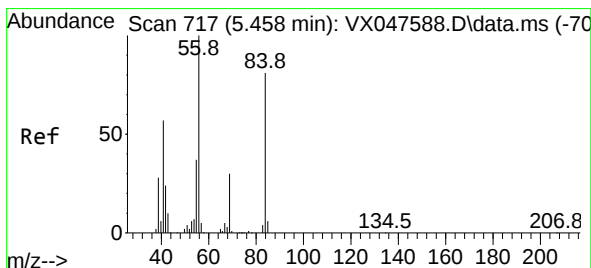
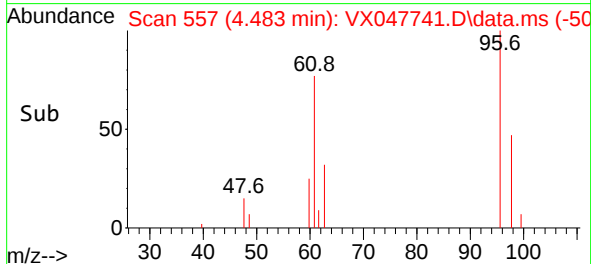
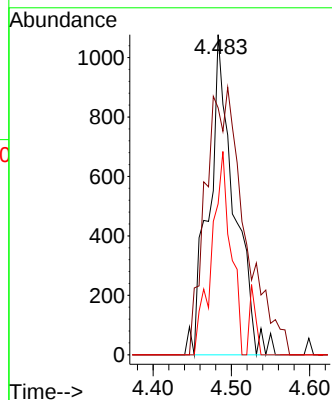
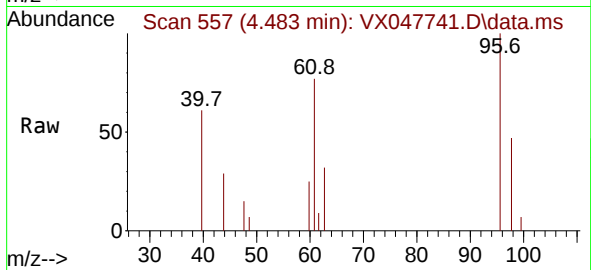




#27
 cis-1,2-Dichloroethene
 Concen: 1.101 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX047741.D
 Acq: 23 Sep 2025 17:57

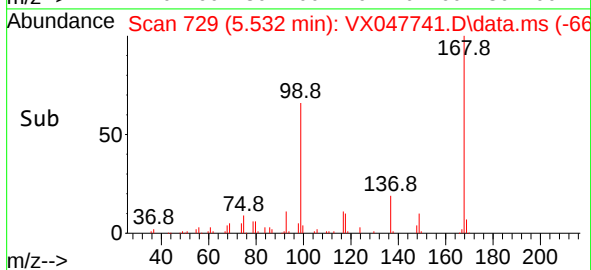
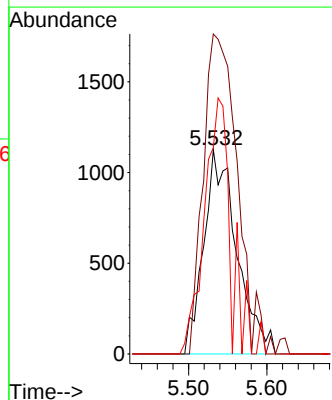
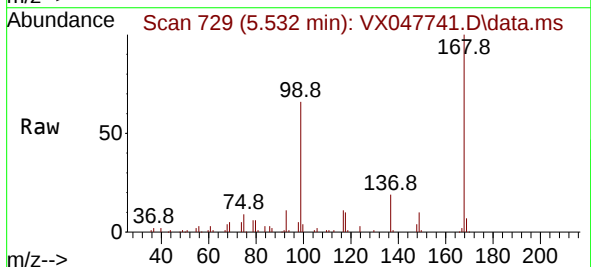
Instrument :
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 ClientSampleId :
 RE134D4-20250912

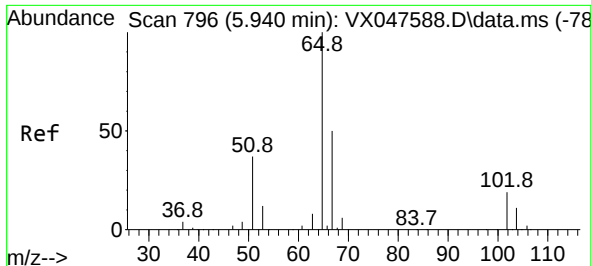
Tgt Ion: 96 Resp: 2410
 Ion Ratio Lower Upper
 96 100
 61 61.6 0.0 303.2
 98 48.2 0.0 127.8



#31
 Cyclohexane
 Concen: 1.128 ug/l
 RT: 5.532 min Scan# 729
 Delta R.T. 0.073 min
 Lab File: VX047741.D
 Acq: 23 Sep 2025 17:57

Tgt Ion: 56 Resp: 3315
 Ion Ratio Lower Upper
 56 100
 69 156.8 23.8 35.8#
 84 101.2 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.031 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

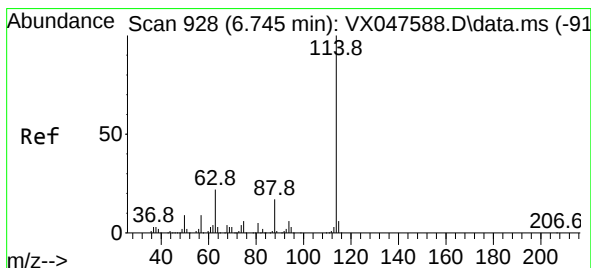
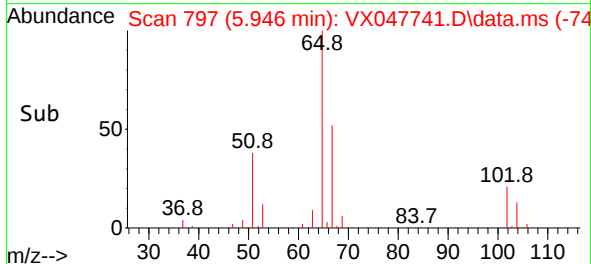
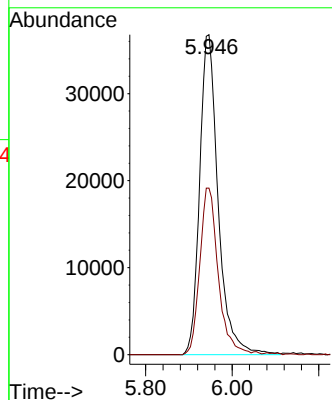
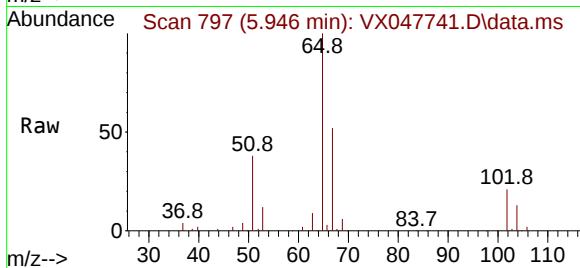
RE134D4-20250912

Tgt Ion: 65 Resp: 109066

Ion Ratio Lower Upper

65 100

67 51.8 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: VX047741.D

Acq: 23 Sep 2025 17:57

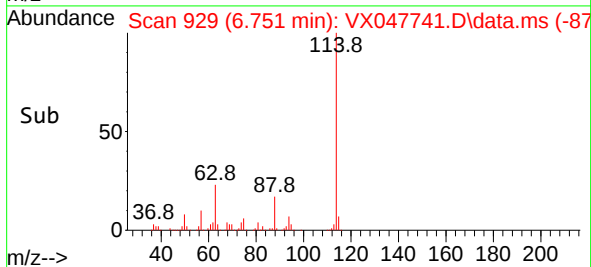
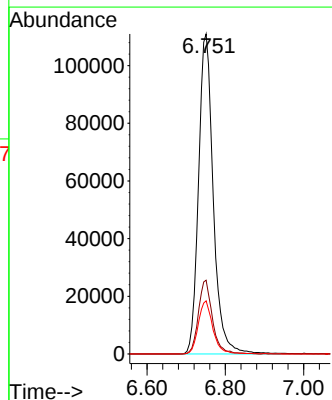
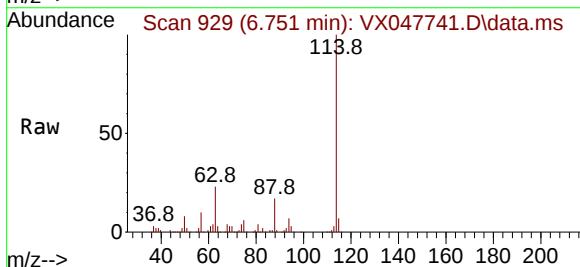
Tgt Ion: 114 Resp: 290603

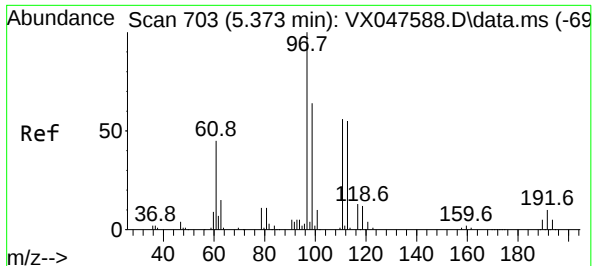
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.0

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.746 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

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ClientSampleId :

RE134D4-20250912

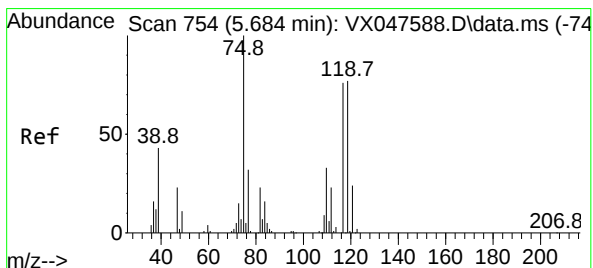
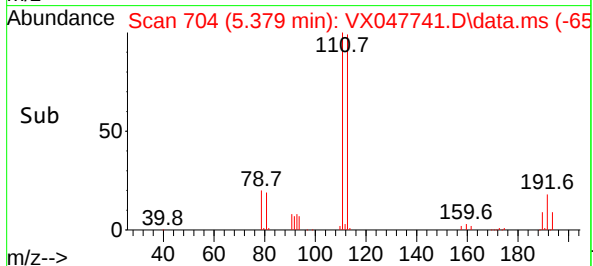
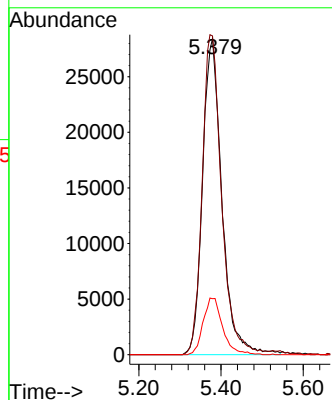
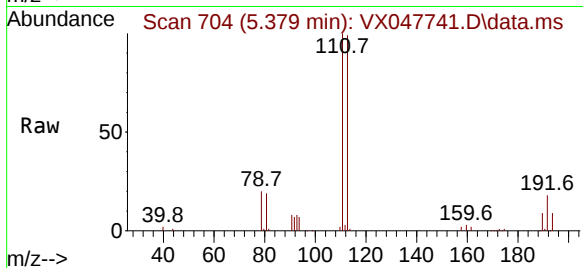
Tgt Ion:113 Resp: 93054

Ion Ratio Lower Upper

113 100

111 101.2 80.9 121.3

192 18.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 3.944 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

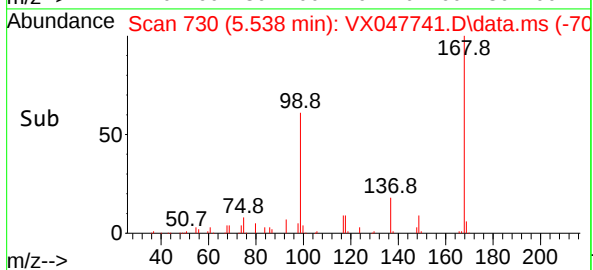
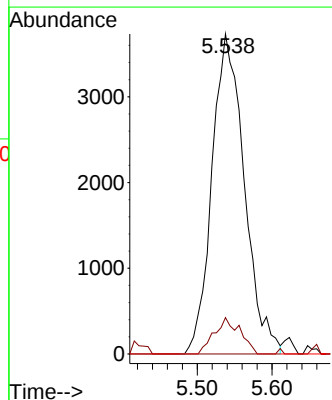
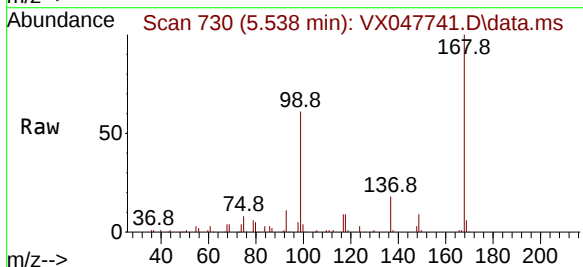
Tgt Ion: 75 Resp: 11233

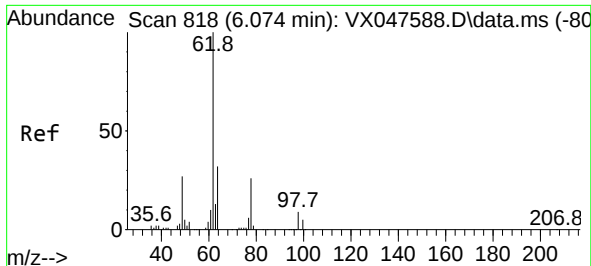
Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

77 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 6.074 min Scan# 818

Delta R.T. 0.000 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

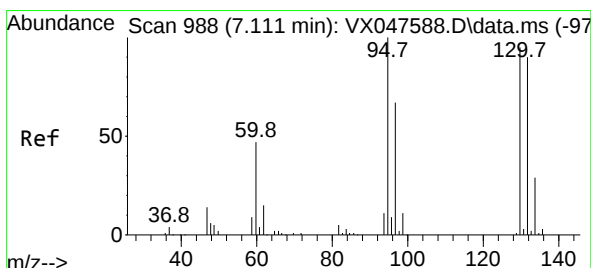
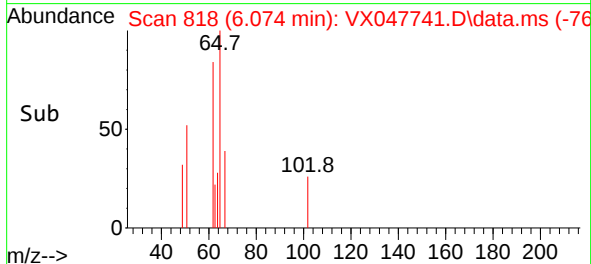
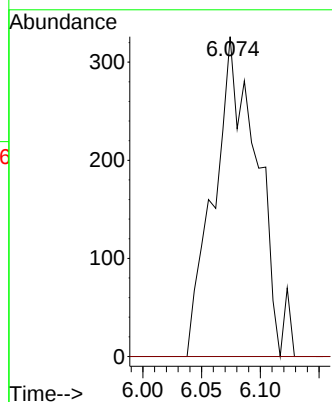
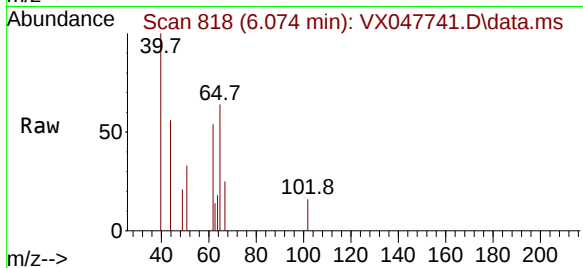
RE134D4-20250912

Tgt Ion: 62 Resp: 812

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 36.679 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX047741.D

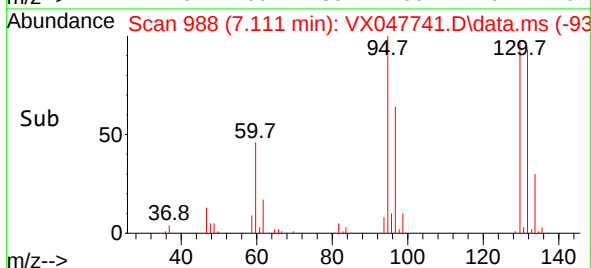
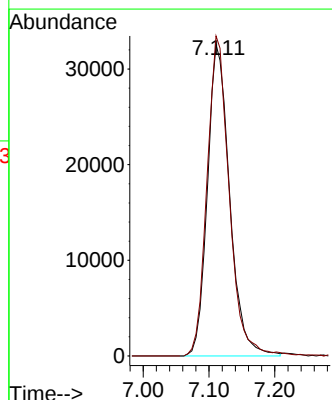
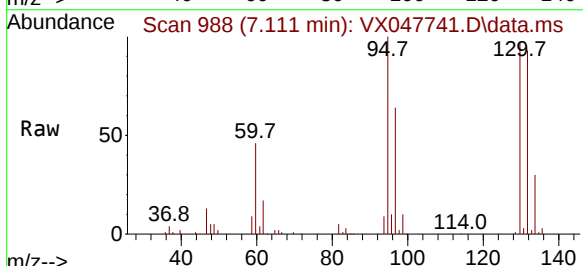
Acq: 23 Sep 2025 17:57

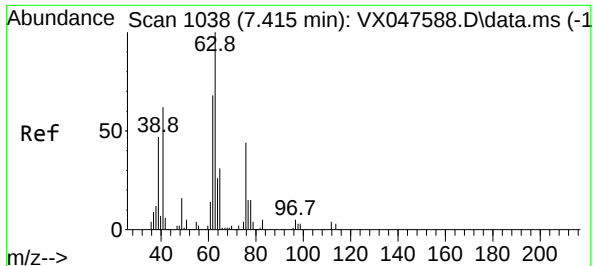
Tgt Ion:130 Resp: 76703

Ion Ratio Lower Upper

130 100

95 102.7 0.0 210.8





#45

1,2-Dichloropropane

Concen: 1.290 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

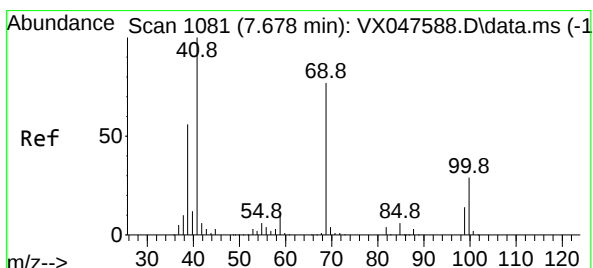
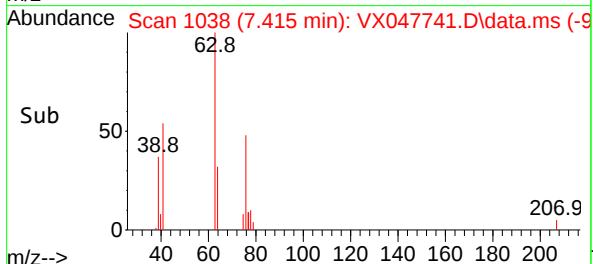
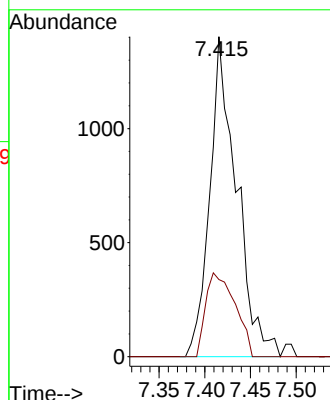
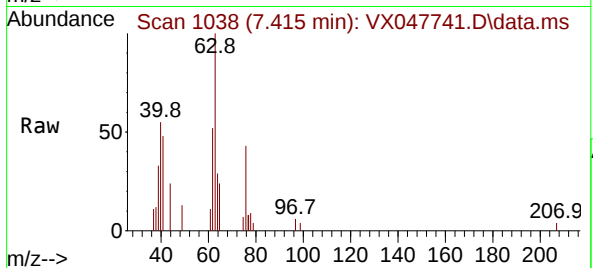
RE134D4-20250912

Tgt Ion: 63 Resp: 2858

Ion Ratio Lower Upper

63 100

65 24.1 24.7 37.1#



#48

Methyl methacrylate

Concen: 0.624 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.256 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

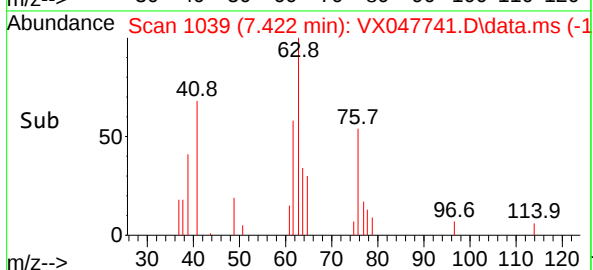
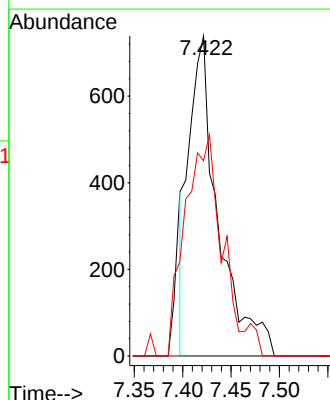
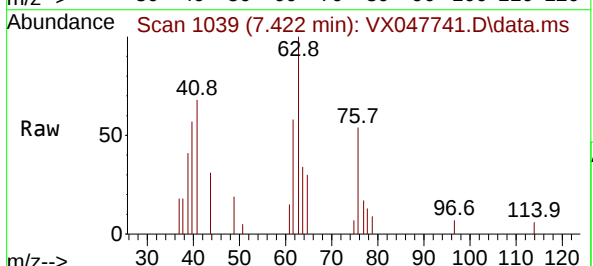
Tgt Ion: 41 Resp: 1554

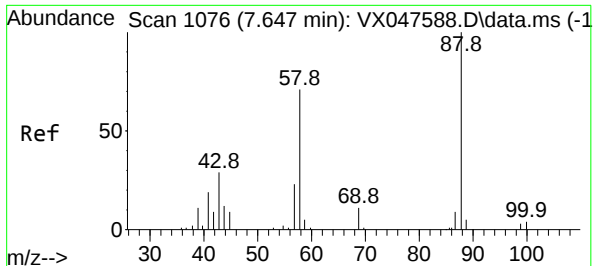
Ion Ratio Lower Upper

41 100

69 0.0 61.4 92.2#

39 79.9 45.8 68.6#





#49

1,4-Dioxane

Concen: 0.993 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.030 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

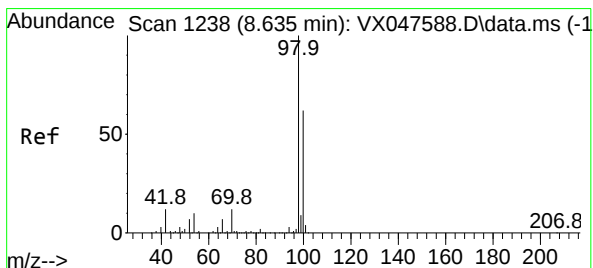
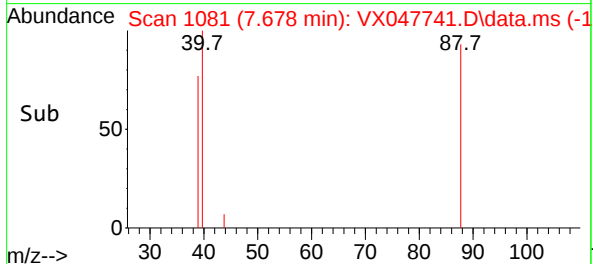
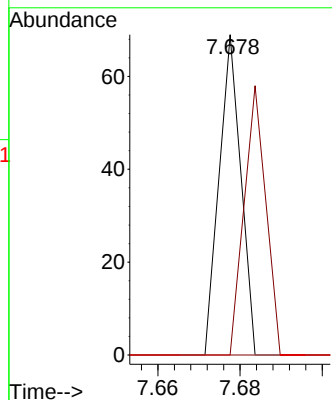
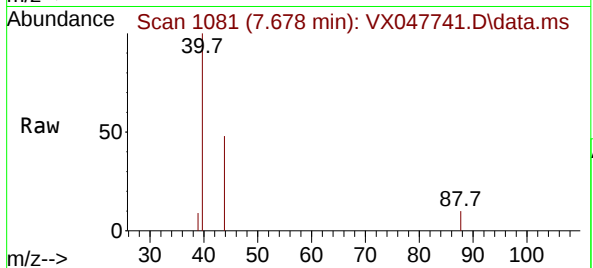
Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20250912

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	84.0	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 48.294 ug/l

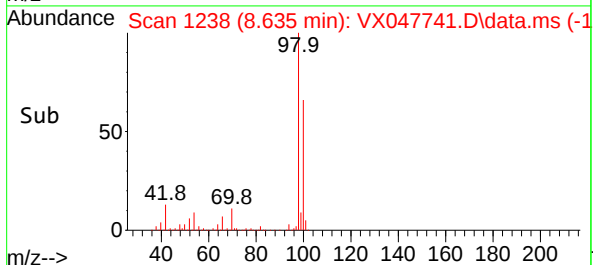
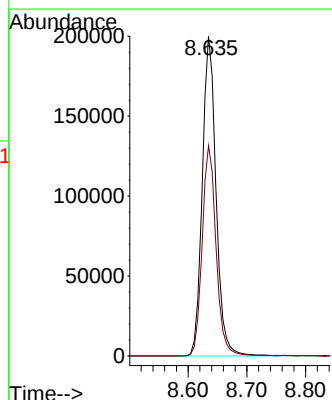
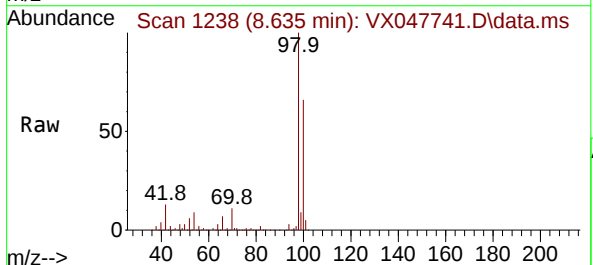
RT: 8.635 min Scan# 1238

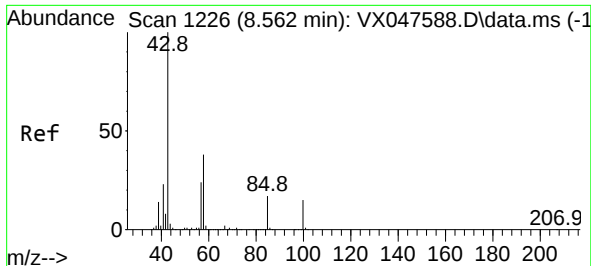
Delta R.T. 0.000 min

Lab File: VX047741.D

Acq: 23 Sep 2025 17:57

Tgt Ion:	98	Resp:	325685
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

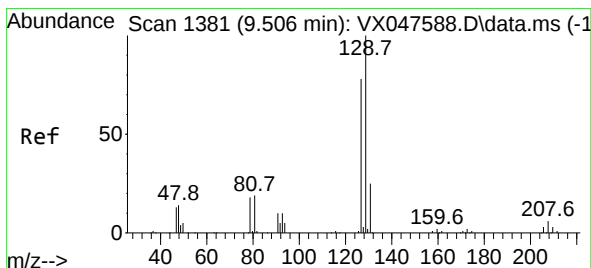
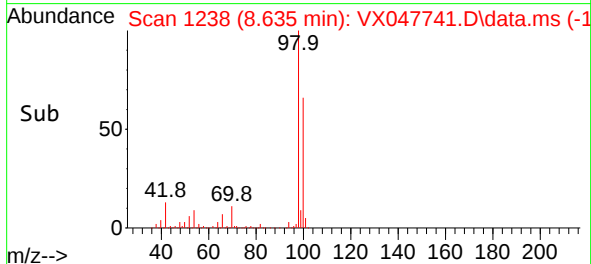
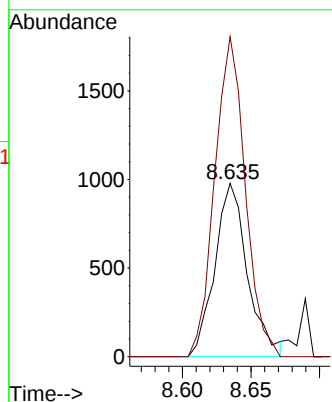
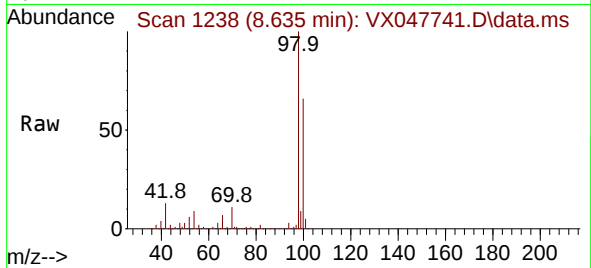




#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

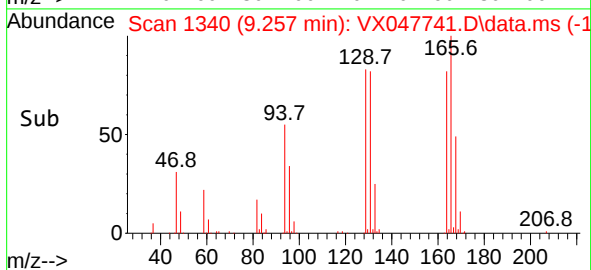
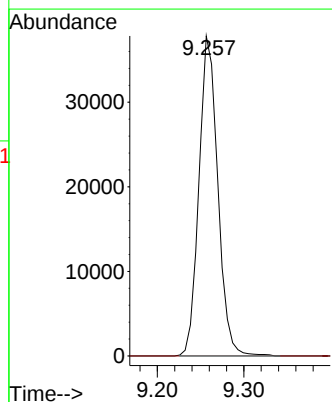
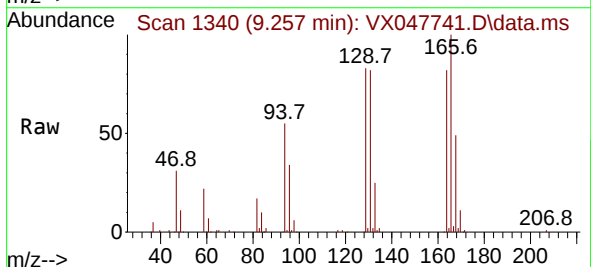
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

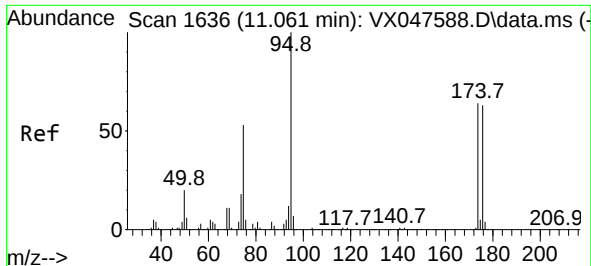
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 172.3 30.3 45.5#



#60
Dibromochloromethane
Concen: 24.153 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion: 129 Resp: 57187
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

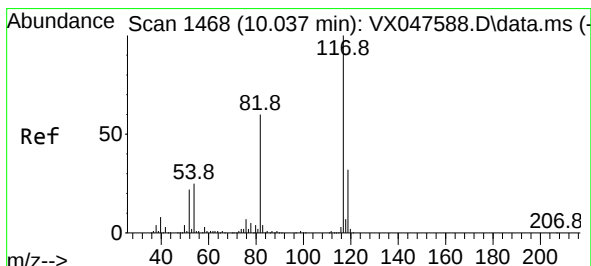
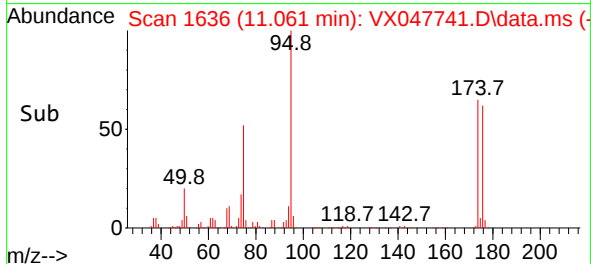
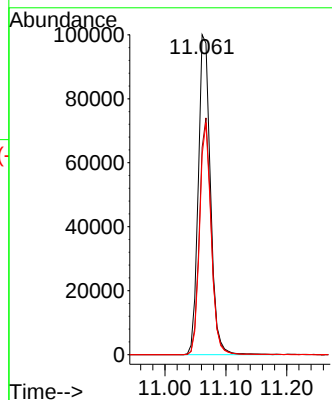
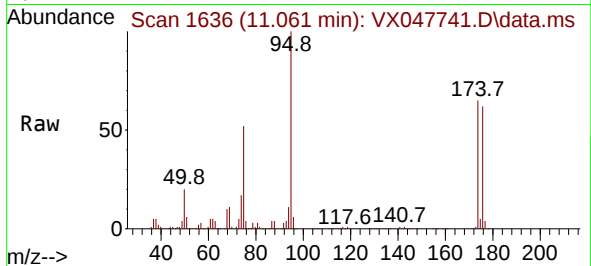




#62
4-Bromofluorobenzene
Concen: 54.011 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

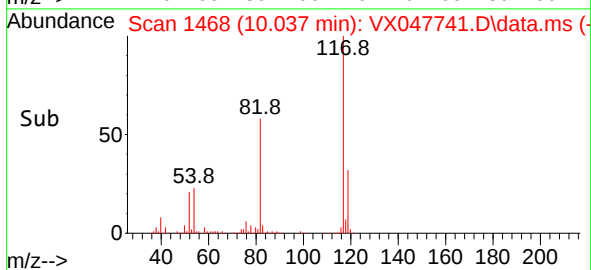
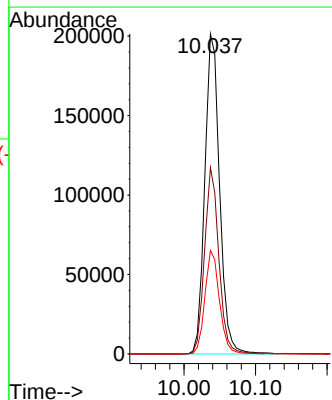
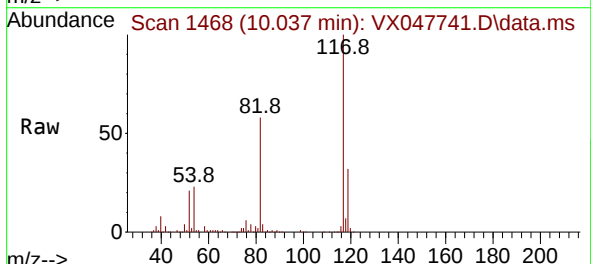
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

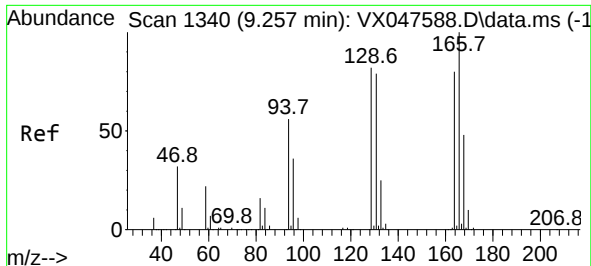
Tgt Ion: 95 Resp: 138234
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 68.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion: 117 Resp: 290148
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.6
119 32.4 25.2 37.8

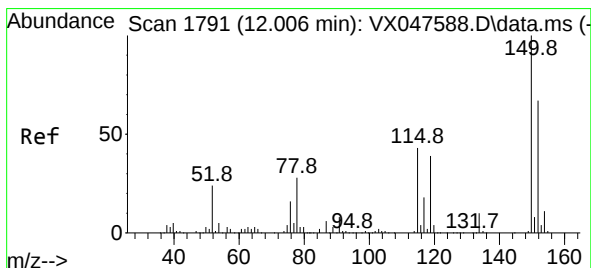
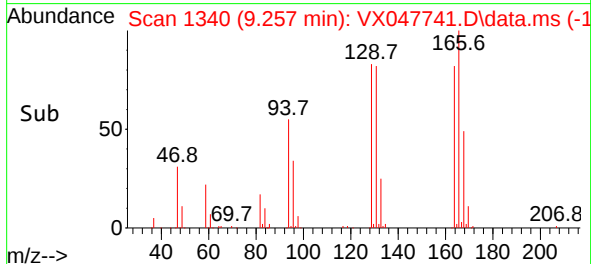
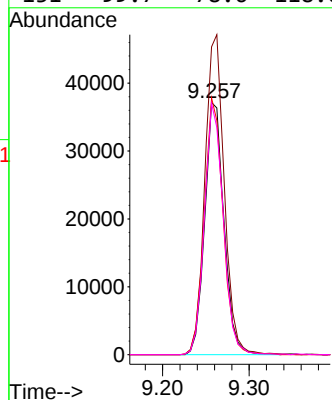
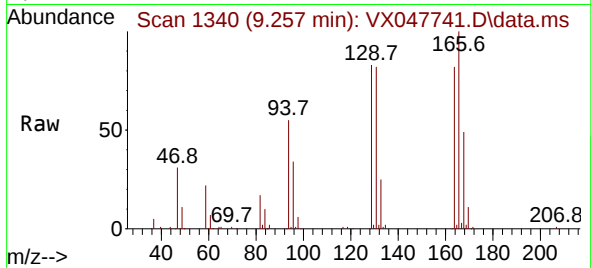




#64
Tetrachloroethene
Concen: 30.235 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

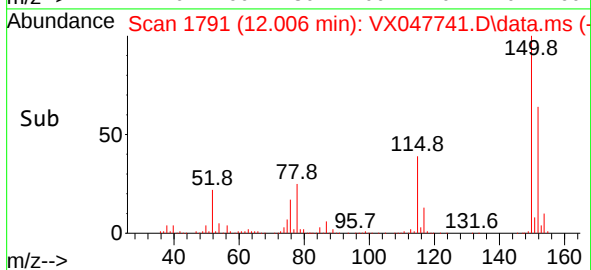
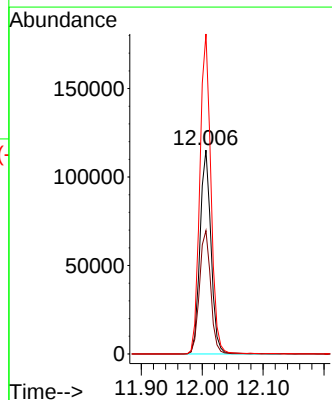
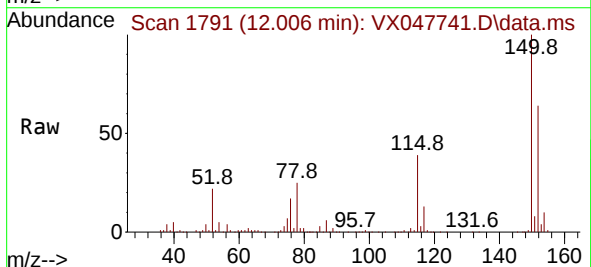
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

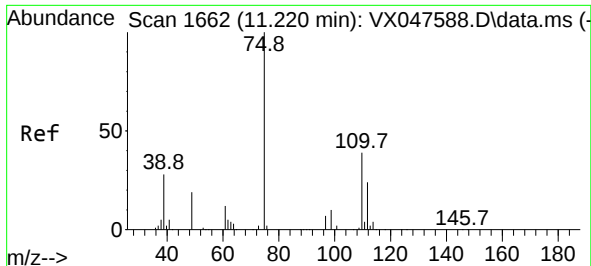
Tgt Ion:164 Resp: 57189
Ion Ratio Lower Upper
164 100
166 122.0 100.2 150.2
129 101.9 81.8 122.6
131 99.7 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion:152 Resp: 144658
Ion Ratio Lower Upper
152 100
115 61.6 44.9 134.5
150 157.4 0.0 352.0

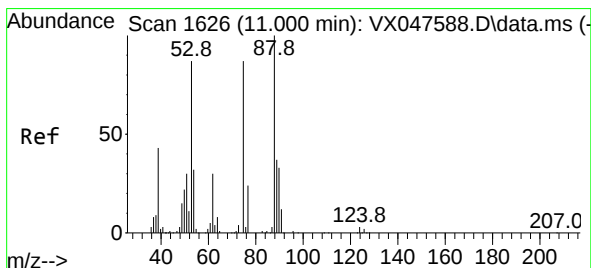
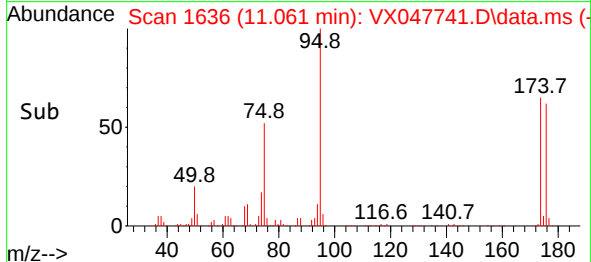
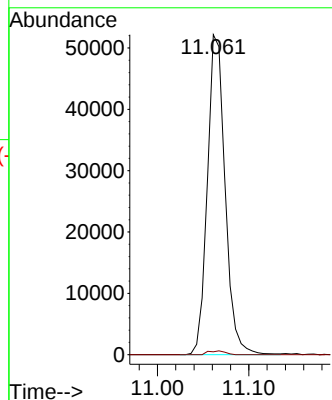
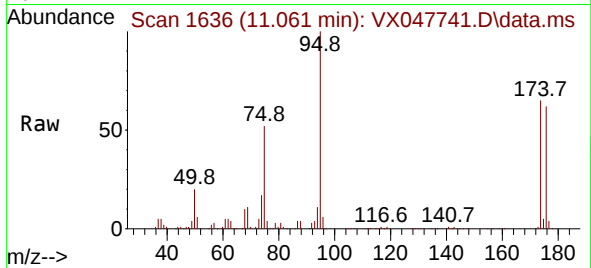




#76
1,2,3-Trichloropropane
Concen: 23.972 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20250912

Tgt Ion: 75 Resp: 70210
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.131 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047741.D
Acq: 23 Sep 2025 17:57

Tgt Ion: 75 Resp: 70210
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

