

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048016.D
 Acq On : 06 Oct 2025 12:22
 Operator : JC/MD
 Sample : Q3279-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 07 02:11:22 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

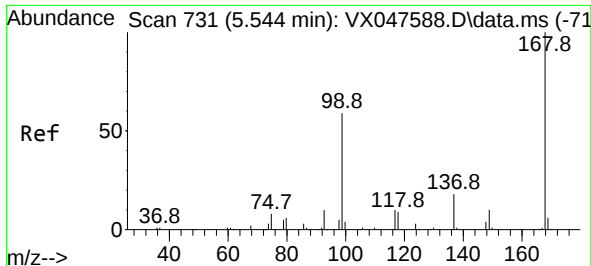
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	138424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	292026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116444	52.848	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.700%		
35) Dibromofluoromethane	5.373	113	93573	50.084	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.160%		
50) Toluene-d8	8.635	98	318945	49.336	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.680%		
62) 4-Bromofluorobenzene	11.061	95	138282	56.361	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 112.720%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	272	0.233	ug/l	89
10) Methyl Iodide	2.459	142	1213	0.486	ug/l #	86
11) Tert butyl alcohol	2.941	59	1427	5.815	ug/l #	72
13) Acrolein	2.246	56	107	0.473	ug/l #	72
16) Acetone	2.380	43	1677	1.750	ug/l	96
17) Carbon Disulfide	2.520	76	1237	0.275	ug/l #	76
18) Methyl Acetate	2.709	43	655	0.307	ug/l #	54
20) Methylene Chloride	2.794	84	785	0.387	ug/l #	82
36) 1,1-Dichloropropene	5.544	75	11871	4.348	ug/l #	43
38) Carbon Tetrachloride	5.538	117	14866	5.012	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	71797	23.836	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	71797	60.786	ug/l #	8
86) p-Isopropyltoluene	11.994	119	1977	0.207	ug/l #	77
89) n-Butylbenzene	12.317	91	2604	0.294	ug/l	99
93) 1,2,4-Trichlorobenzene	13.573	180	1186	0.370	ug/l	97
94) Hexachlorobutadiene	13.707	225	1311	1.205	ug/l	97
95) Naphthalene	13.762	128	3137	0.322	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.945	180	1271	0.426	ug/l	94

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

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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

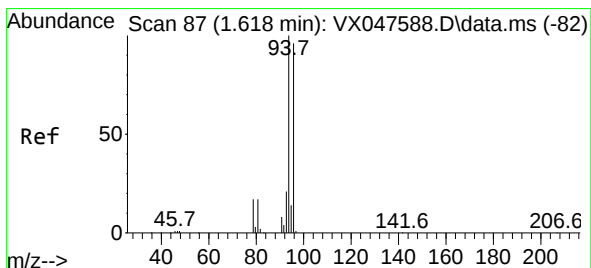
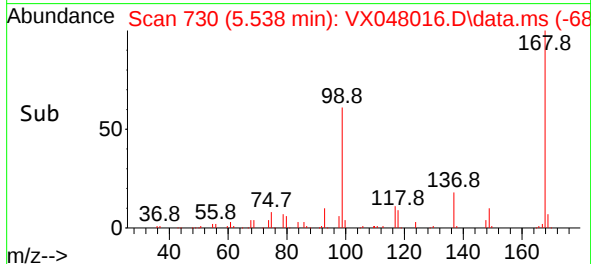
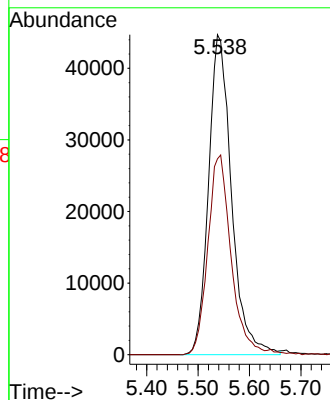
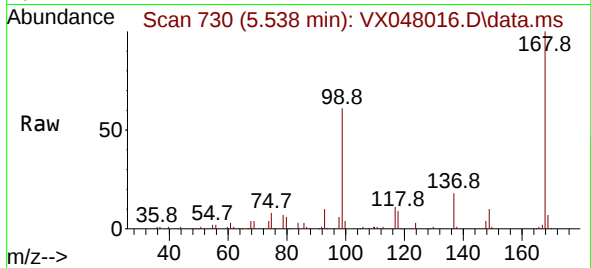




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

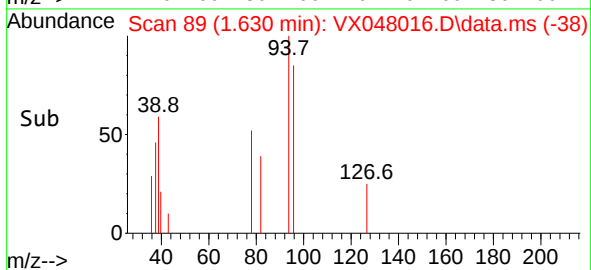
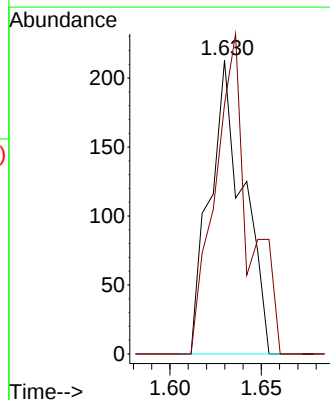
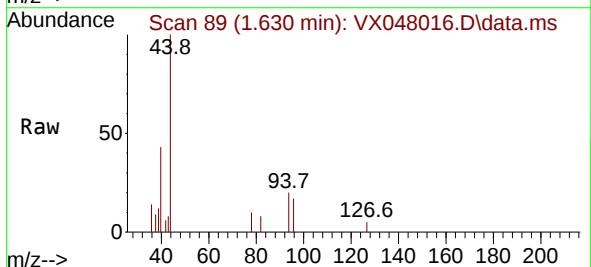
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MSVOA_X
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STORAGE-BLANK-SAMPLE-MANAGEMENT

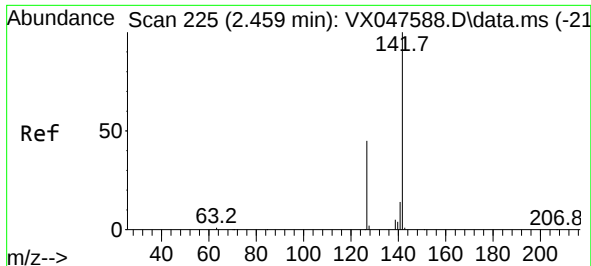
Tgt Ion:168 Resp: 138424
Ion Ratio Lower Upper
168 100
99 61.2 48.8 73.2



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 85.0 76.6 115.0

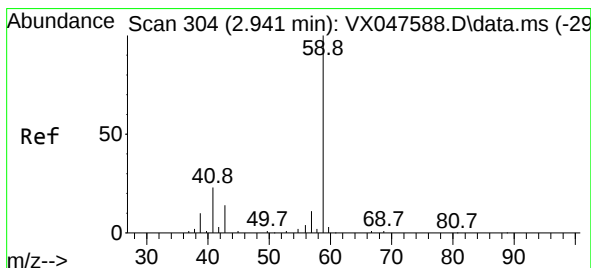
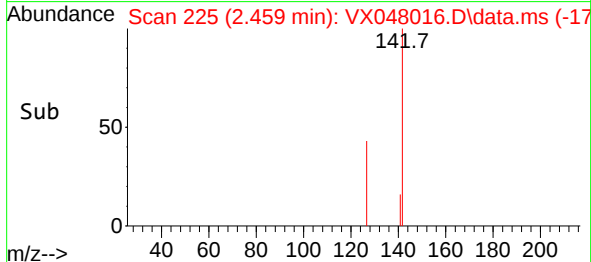
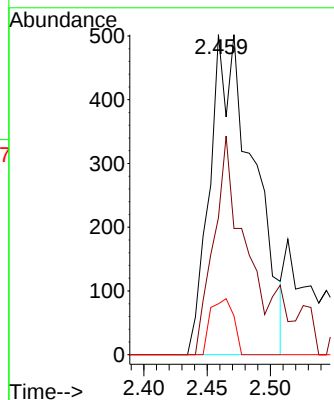
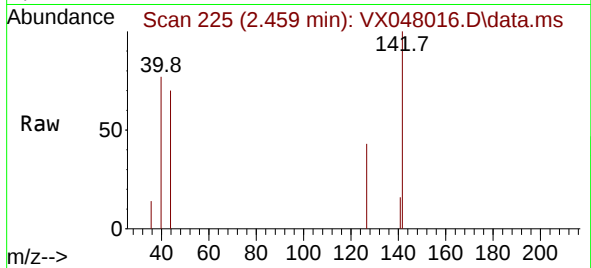




#10
Methyl Iodide
Concen: 0.486 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

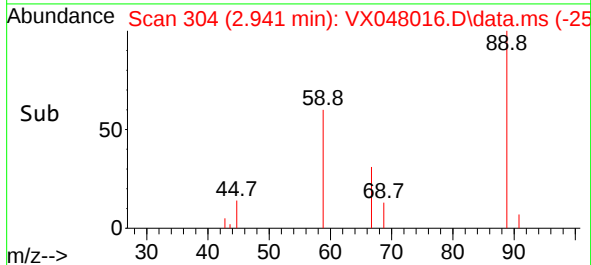
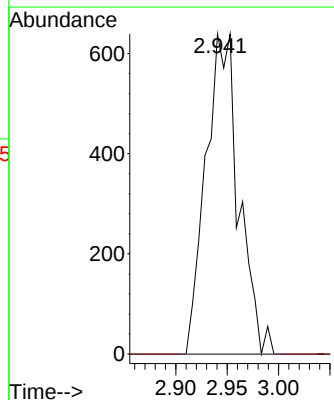
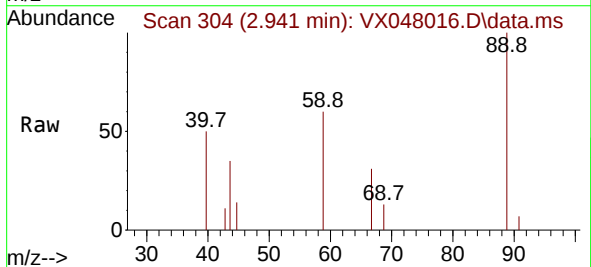
Instrument :
MSVOA_X
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STORAGE-BLANK-SAMPLE-MANAGEMENT

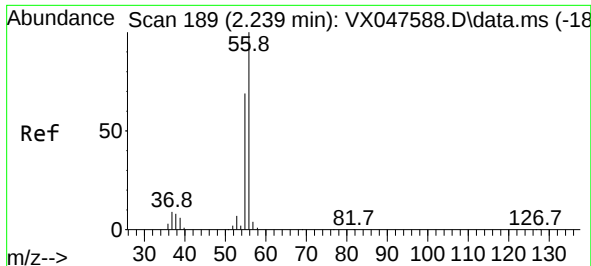
Tgt Ion:142 Resp: 1213
Ion Ratio Lower Upper
142 100
127 55.8 37.2 55.8#
141 9.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 5.815 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion: 59 Resp: 1427
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.473 ug/l

RT: 2.246 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

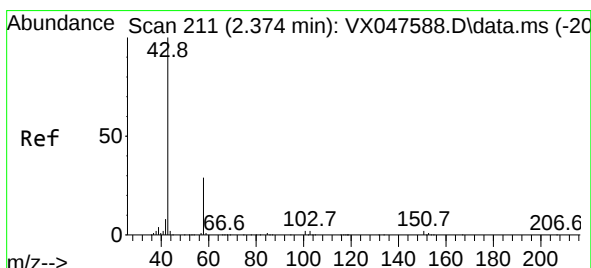
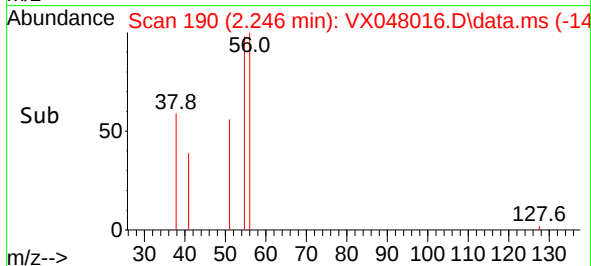
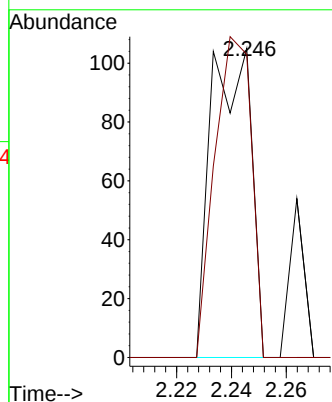
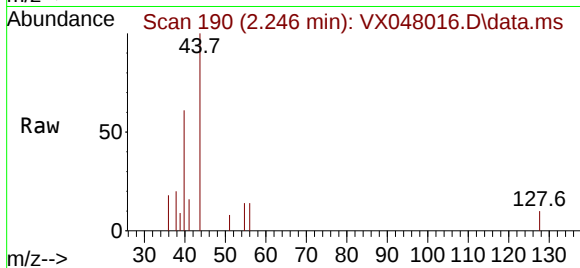
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Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 94.4 57.2 85.8#



#16

Acetone

Concen: 1.750 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX048016.D

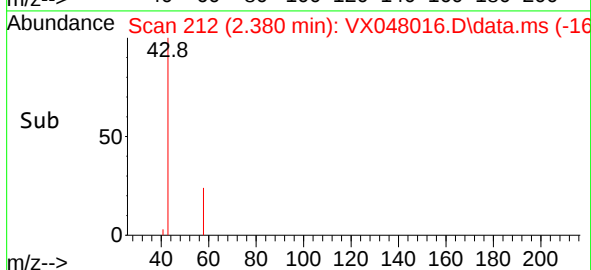
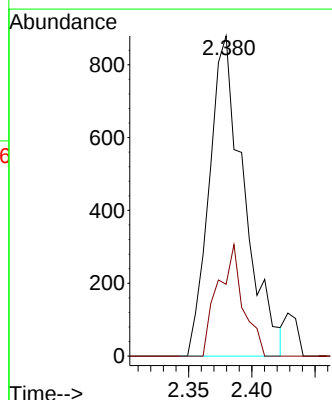
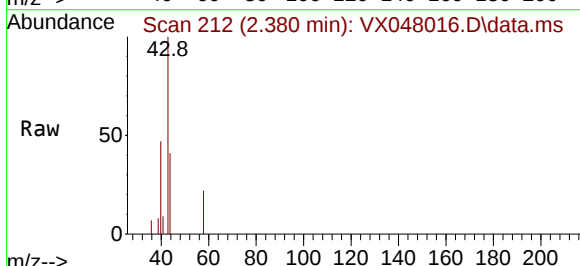
Acq: 06 Oct 2025 12:22

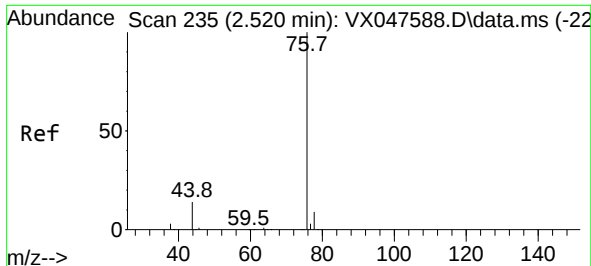
Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 27.0 23.4 35.0





#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

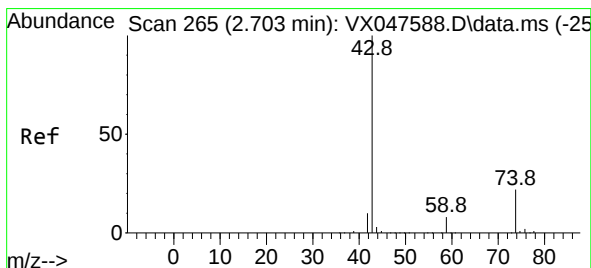
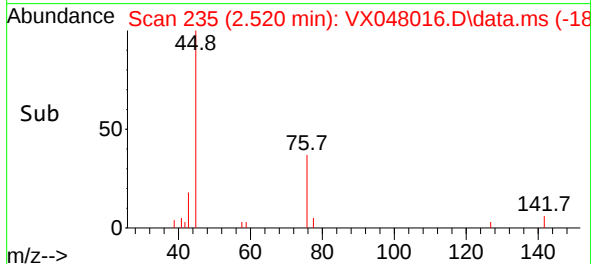
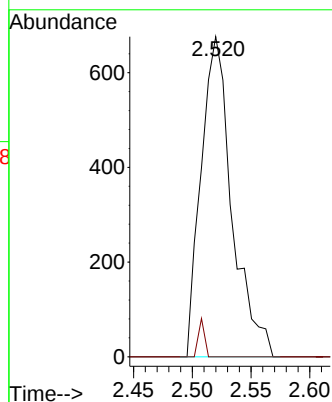
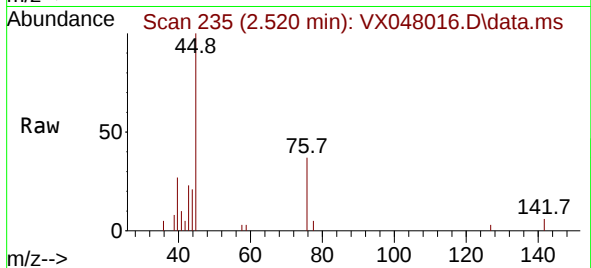
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 76 Resp: 1237

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#18

Methyl Acetate

Concen: 0.307 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX048016.D

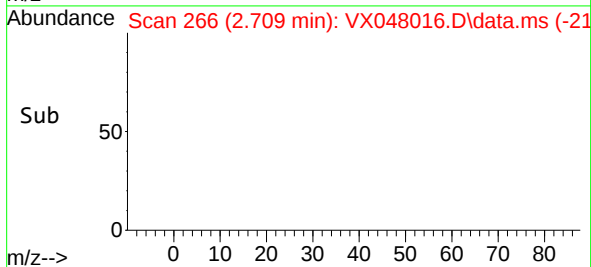
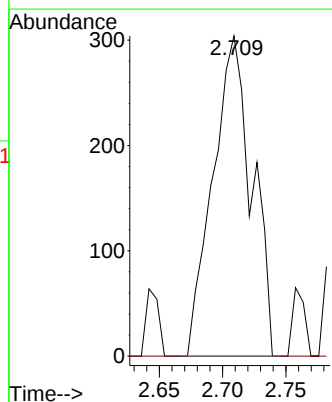
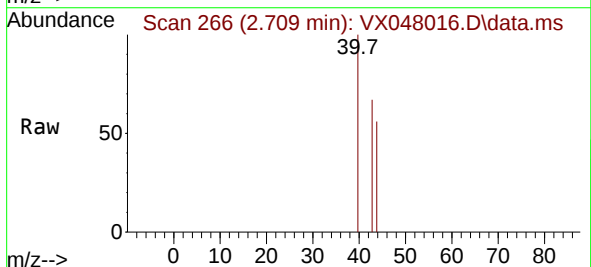
Acq: 06 Oct 2025 12:22

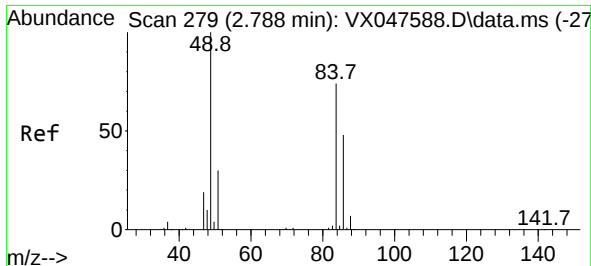
Tgt Ion: 43 Resp: 655

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#

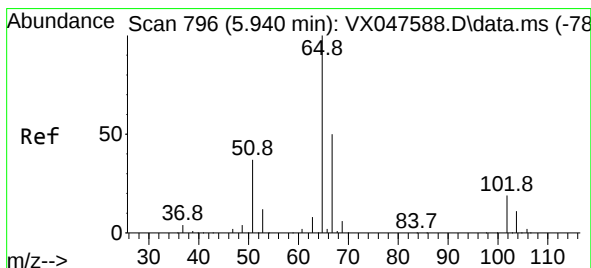
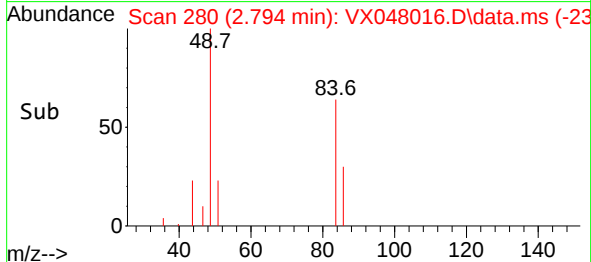
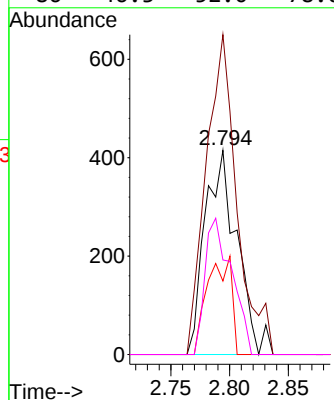
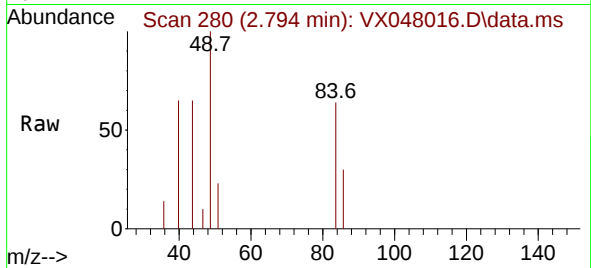




#20
Methylene Chloride
Concen: 0.387 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

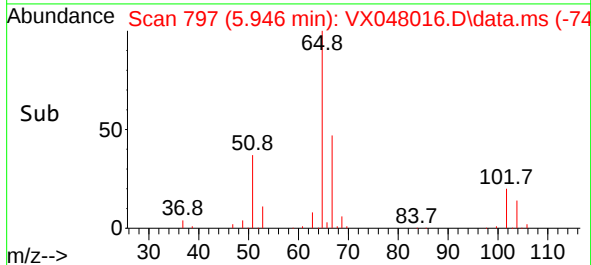
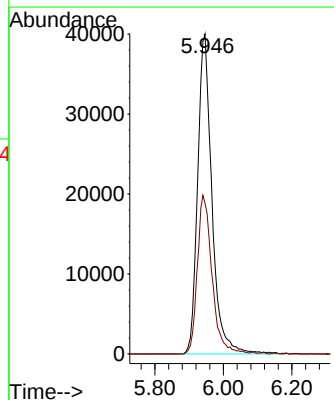
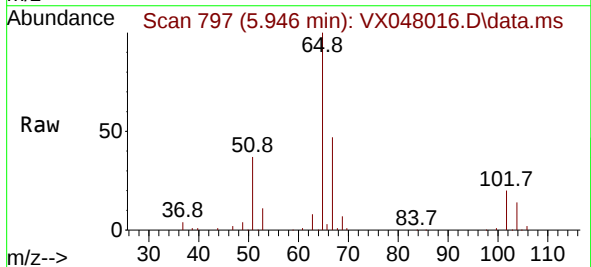
Instrument :
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ClientSampleId :
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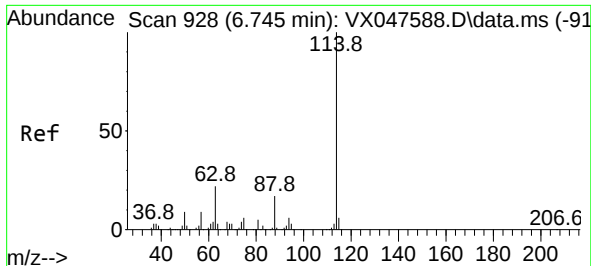
Tgt Ion:	84	Resp:	785
Ion	Ratio	Lower	Upper
84	100		
49	156.6	108.6	162.8
51	35.9	32.6	48.8
86	46.3	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 52.848 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion:	65	Resp:	116444
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

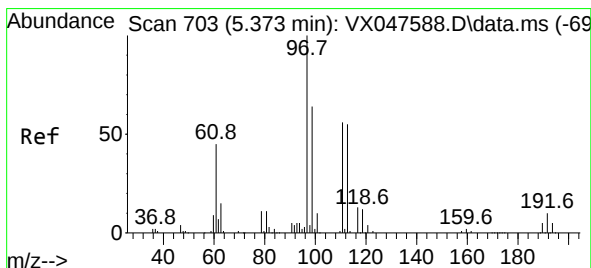
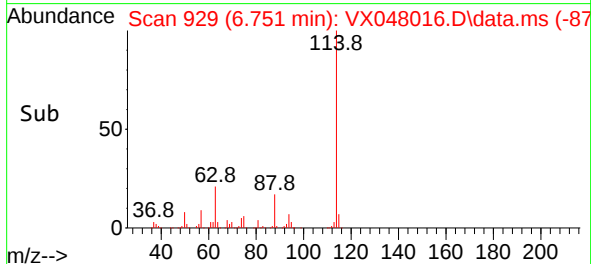
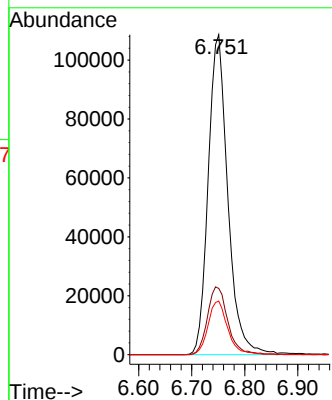
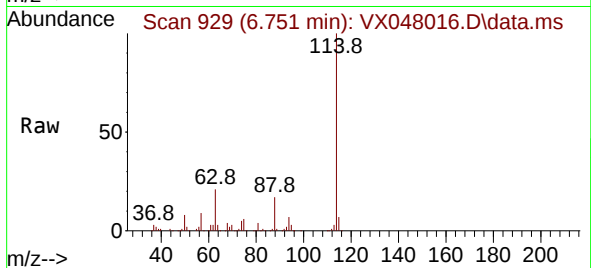




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

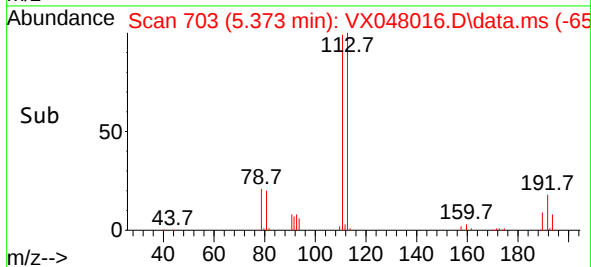
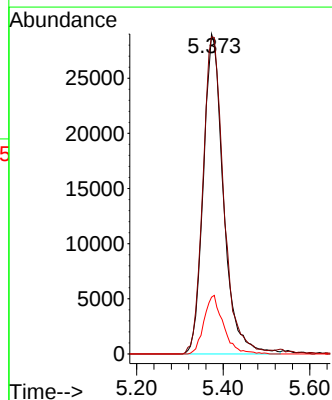
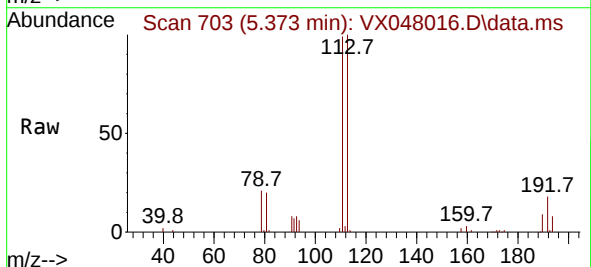
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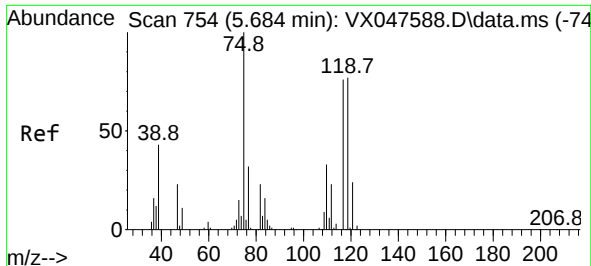
Tgt Ion:114 Resp: 278584
Ion Ratio Lower Upper
114 100
63 20.7 0.0 44.0
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion:113 Resp: 93573
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 17.7 14.2 21.4

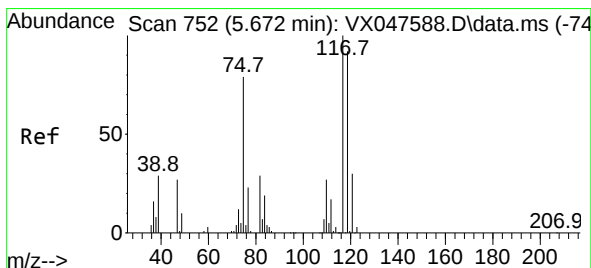
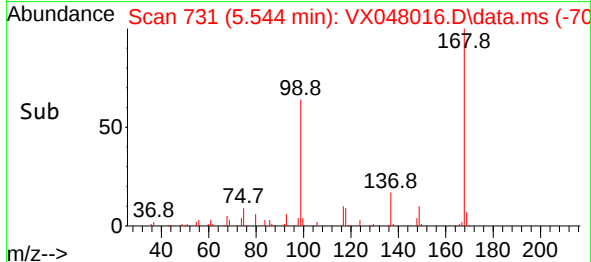
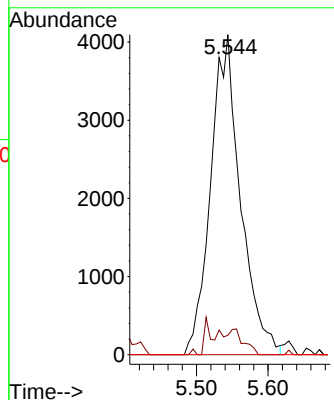
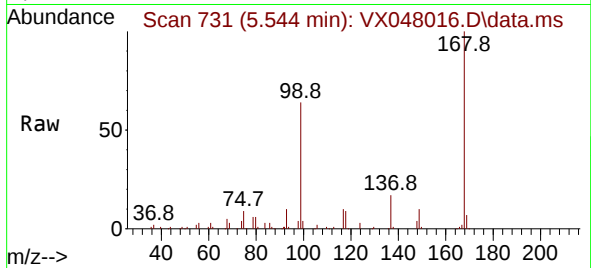




#36
1,1-Dichloropropene
Concen: 4.348 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

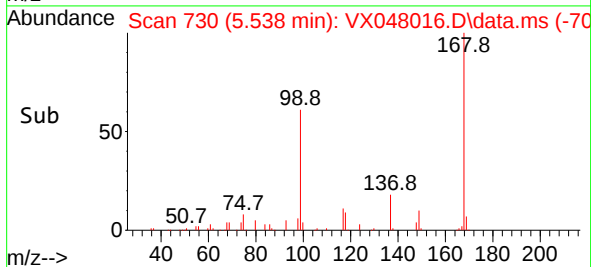
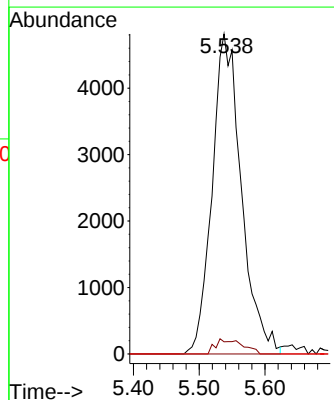
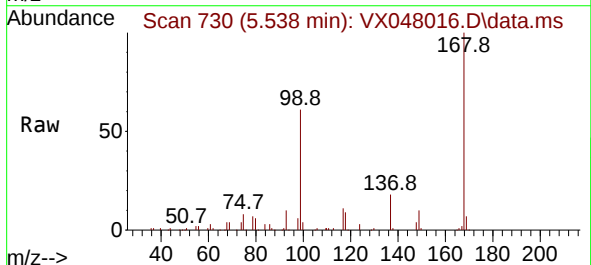
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MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

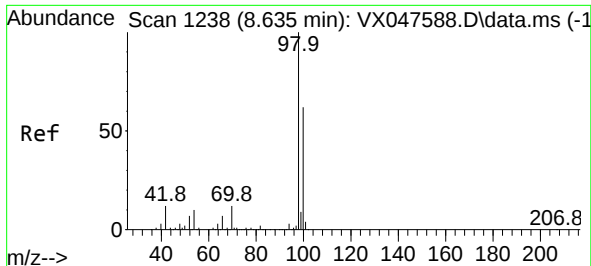
Tgt Ion: 75 Resp: 11871
Ion Ratio Lower Upper
75 100
110 0.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion: 117 Resp: 14866
Ion Ratio Lower Upper
117 100
119 3.8 73.4 110.2#
121 0.0 23.8 35.6#

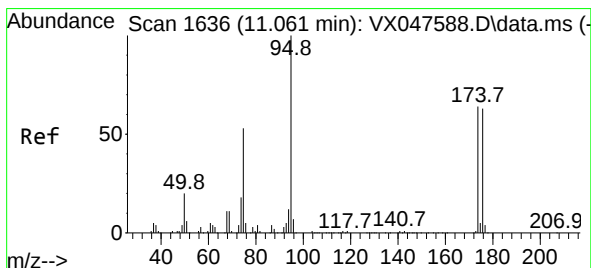
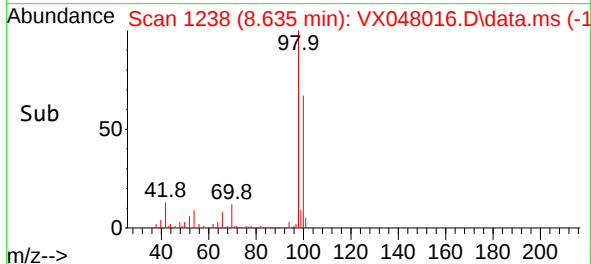
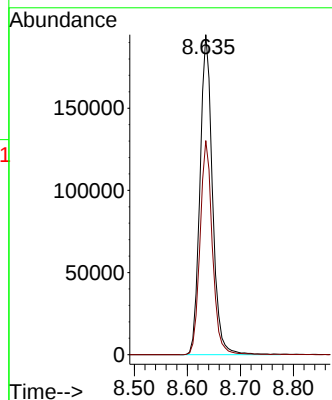
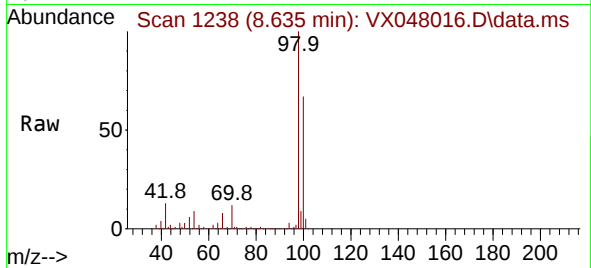




#50
Toluene-d8
Concen: 49.336 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

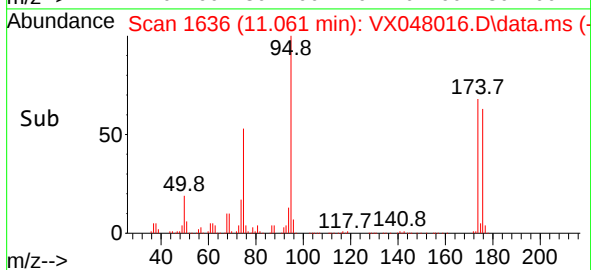
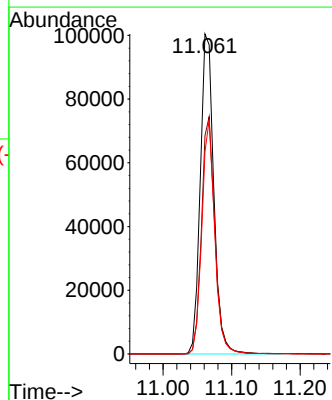
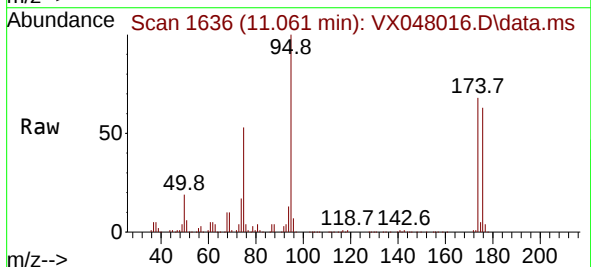
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

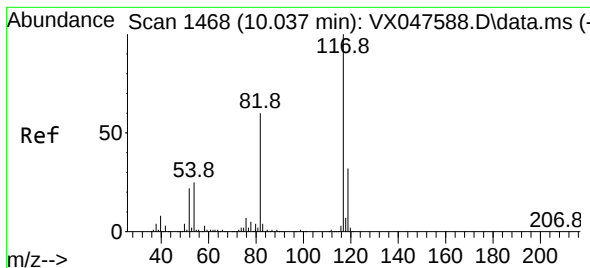
Tgt Ion: 98 Resp: 318945
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.361 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion: 95 Resp: 138282
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.6
176 69.8 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: VX048016.D

Acq: 06 Oct 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

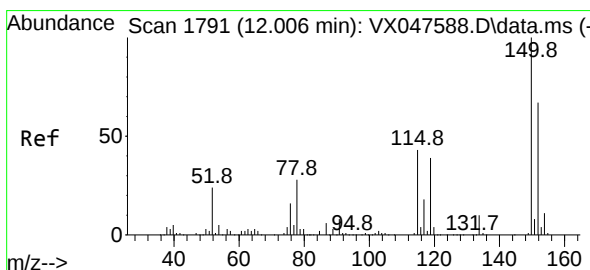
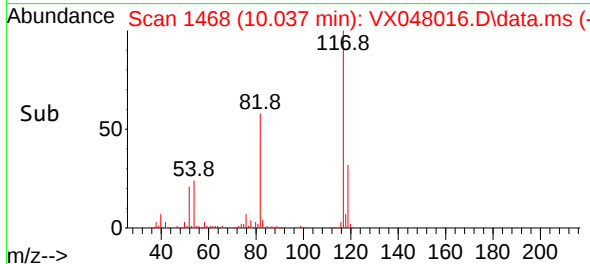
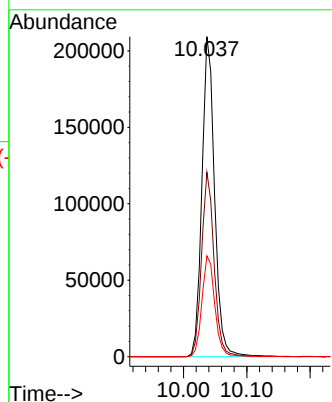
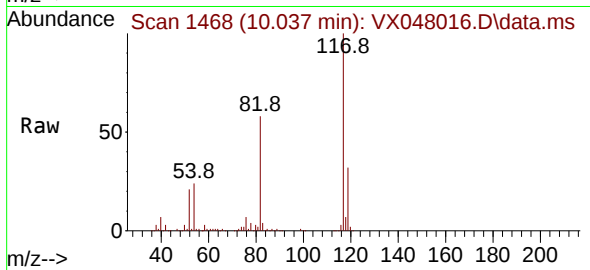
Tgt Ion:117 Resp: 292026

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 31.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

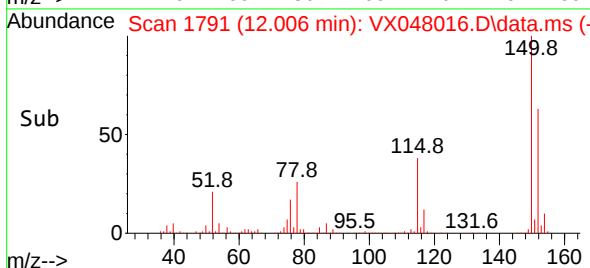
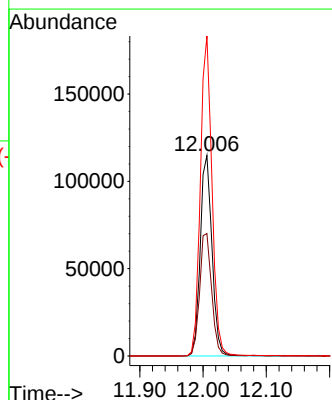
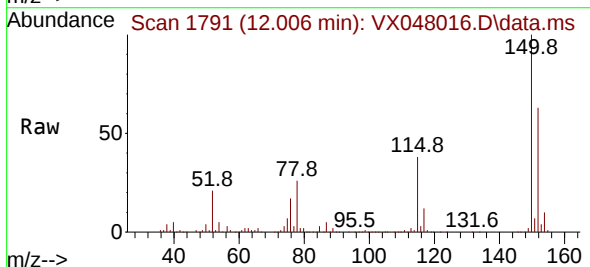
Tgt Ion:152 Resp: 148769

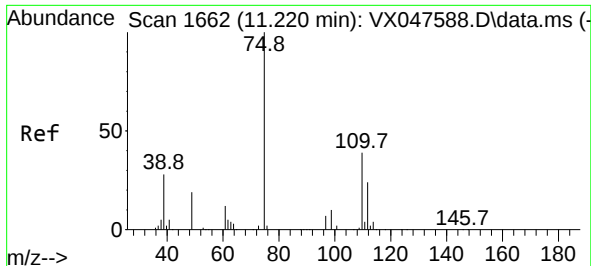
Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

150 157.3 0.0 352.0

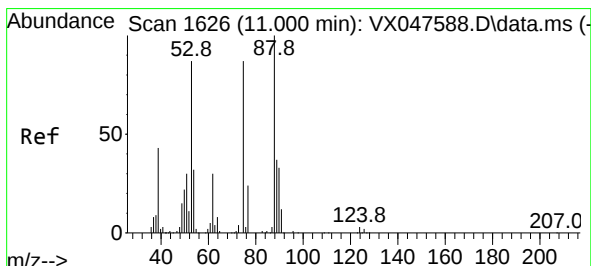
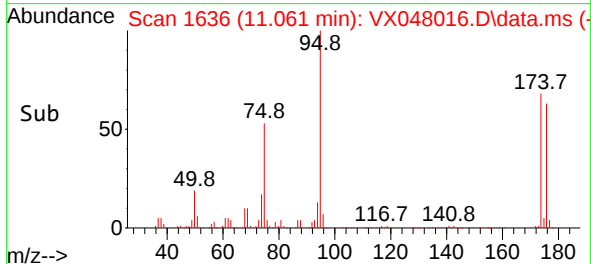
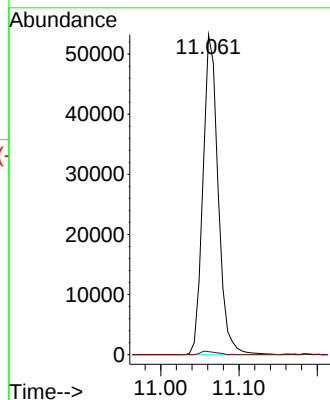
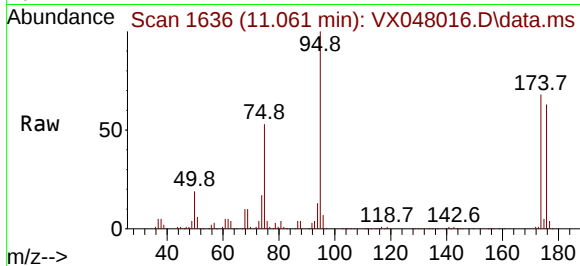




#76
1,2,3-Trichloropropane
Concen: 23.836 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

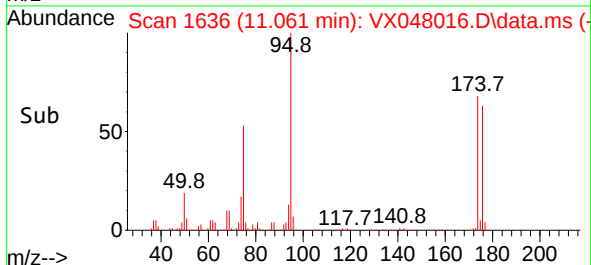
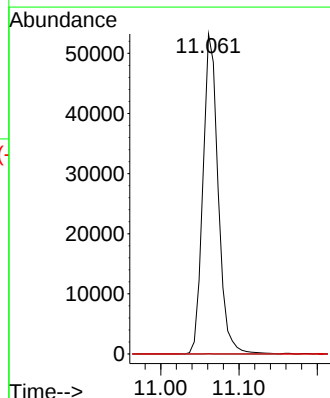
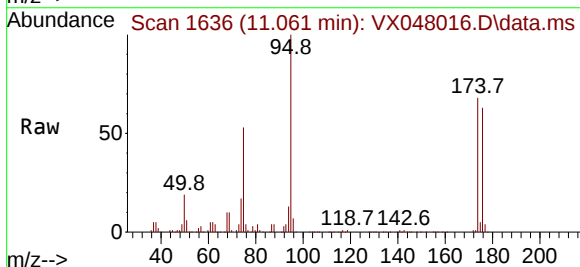
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

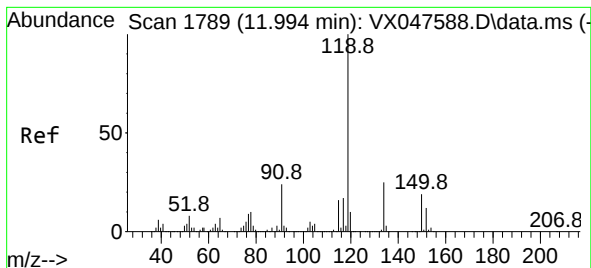
Tgt Ion: 75 Resp: 71797
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.786 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion: 75 Resp: 71797
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#86

p-Isopropyltoluene

Concen: 0.207 ug/l

RT: 11.994 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

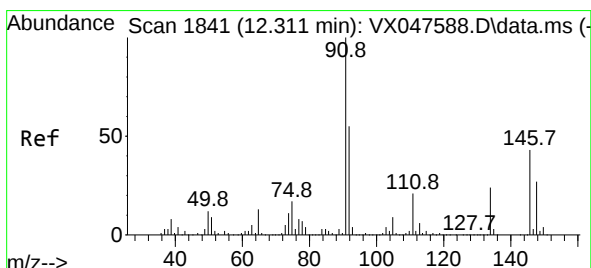
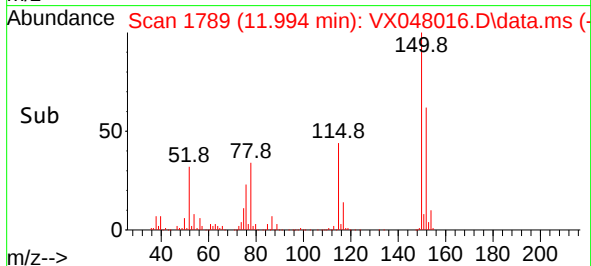
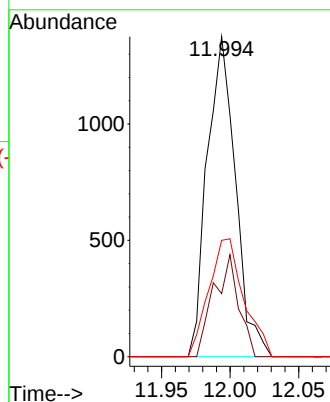
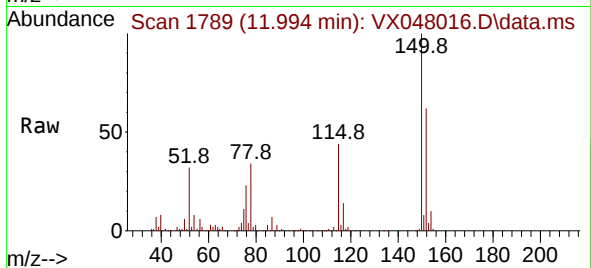
Tgt Ion:119 Resp: 1977

Ion Ratio Lower Upper

119 100

134 28.1 12.6 37.8

91 45.5 12.6 37.6#



#89

n-Butylbenzene

Concen: 0.294 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

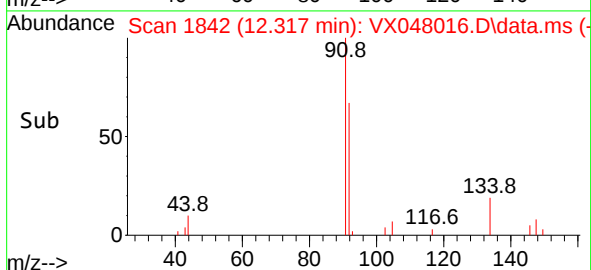
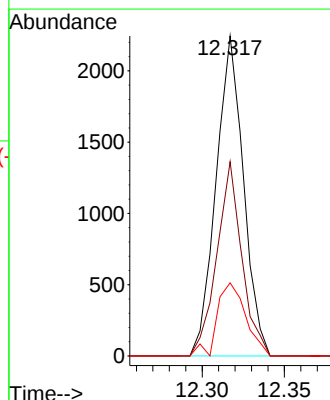
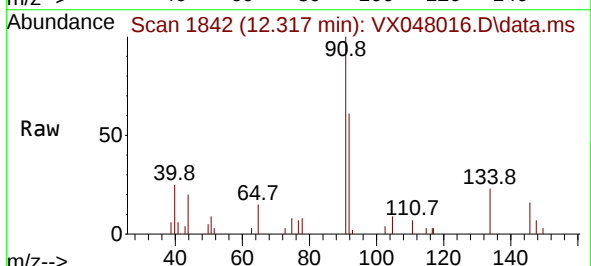
Tgt Ion: 91 Resp: 2604

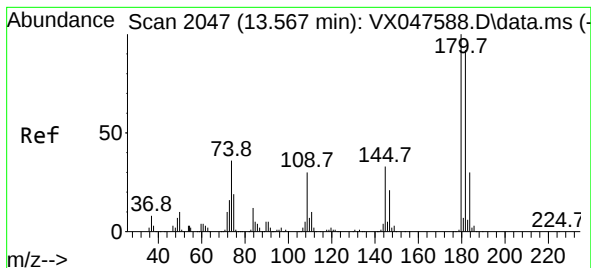
Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.7

134 23.8 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.370 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

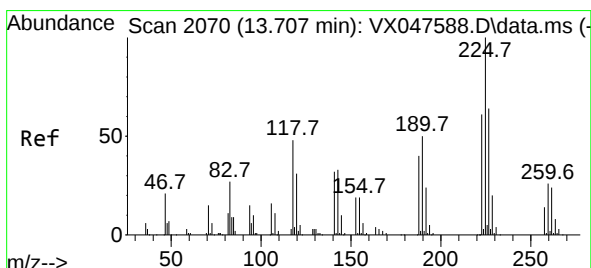
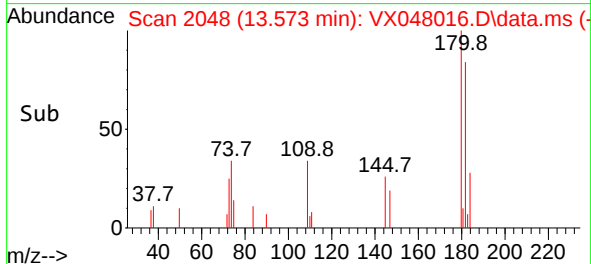
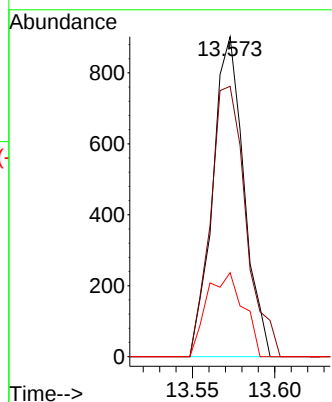
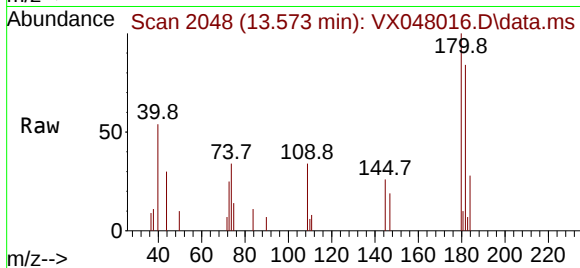
Tgt Ion:180 Resp: 1186

Ion Ratio Lower Upper

180 100

182 96.1 46.6 139.8

145 30.8 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.205 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048016.D

Acq: 06 Oct 2025 12:22

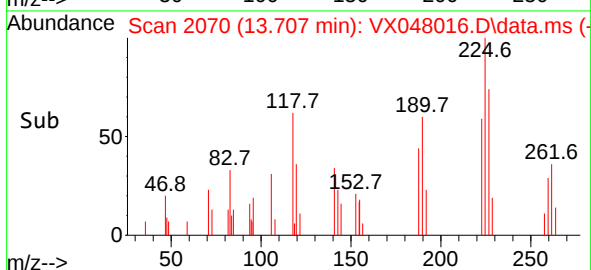
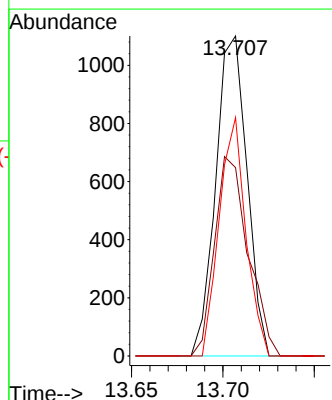
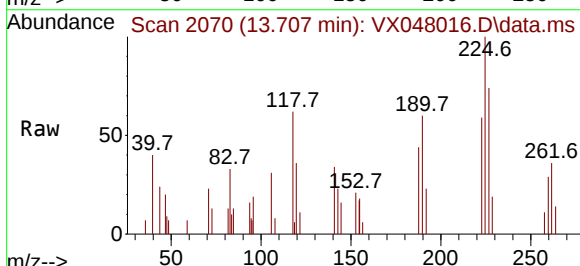
Tgt Ion:225 Resp: 1311

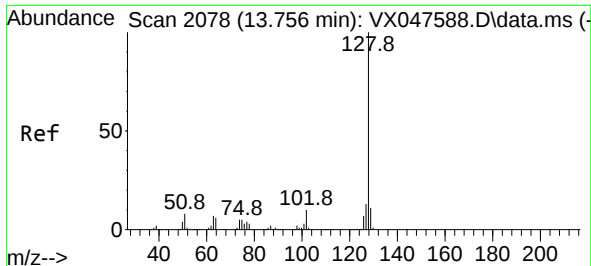
Ion Ratio Lower Upper

225 100

223 67.2 31.7 95.1

227 63.4 32.0 96.0

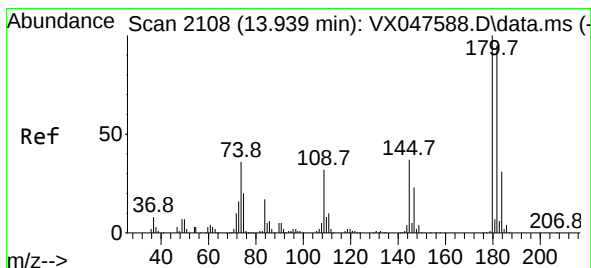
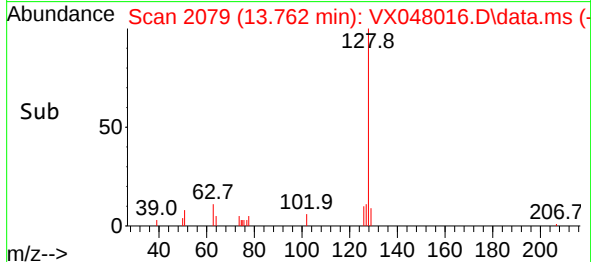
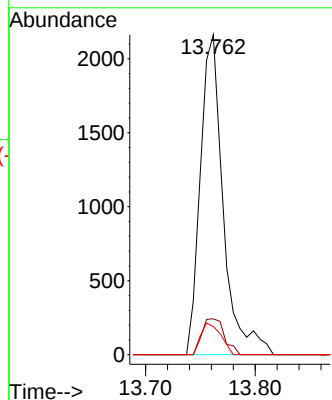
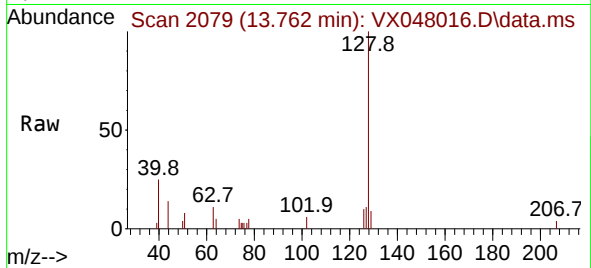




#95
Naphthalene
Concen: 0.322 ug/l
RT: 13.762 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:128 Resp: 3137
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.2
129 8.6 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.426 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048016.D
Acq: 06 Oct 2025 12:22

Tgt Ion:180 Resp: 1271
Ion Ratio Lower Upper
180 100
182 90.2 47.6 142.8
145 31.2 17.9 53.7

