

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047252.D
 Acq On : 07 Aug 2025 10:42
 Operator : JC/MD
 Sample : VX0807MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807MBL01

Quant Time: Aug 08 02:40:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

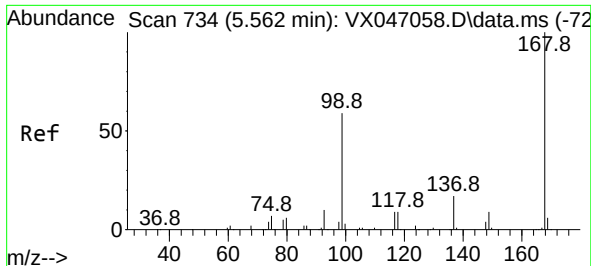
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	272471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	501532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	245388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180393	53.149	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.300%
35) Dibromofluoromethane	5.397	113	150564	48.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.240%
50) Toluene-d8	8.647	98	547190	54.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.120%
62) 4-Bromofluorobenzene	11.079	95	224303	51.902	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	1254	0.600	ug/l #	79
10) Methyl Iodide	2.477	142	4047	1.149	ug/l #	82
11) Tert butyl alcohol	2.947	59	35	Below Cal	#	72
13) Acrolein	2.252	56	177	0.242	ug/l #	28
15) Acrylonitrile	3.093	53	624	0.385	ug/l #	30
16) Acetone	2.398	43	3377	2.484	ug/l #	72
17) Carbon Disulfide	2.526	76	4737	0.478	ug/l #	94
20) Methylene Chloride	2.806	84	918	0.245	ug/l #	60
36) 1,1-Dichloropropene	5.556	75	22394	4.243	ug/l #	50
38) Carbon Tetrachloride	5.562	117	28626	5.081	ug/l #	15
49) 1,4-Dioxane	7.690	88	52	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	118483	26.086	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	118483	67.208	ug/l #	8
86) p-Isopropyltoluene	12.012	119	3342	0.201	ug/l	91
89) n-Butylbenzene	12.335	91	4720	0.303	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	2096	0.376	ug/l	88
94) Hexachlorobutadiene	13.719	225	4570	2.412	ug/l	97
95) Naphthalene	13.780	128	4833	0.296	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	2101	0.391	ug/l	97

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

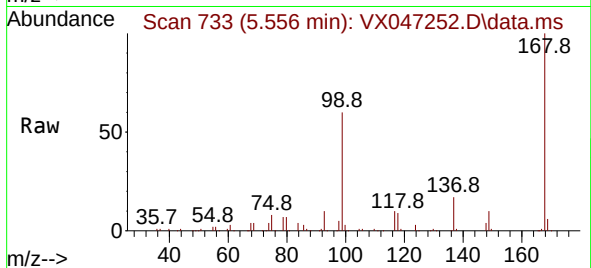
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



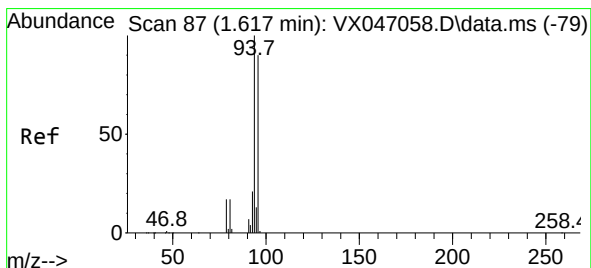
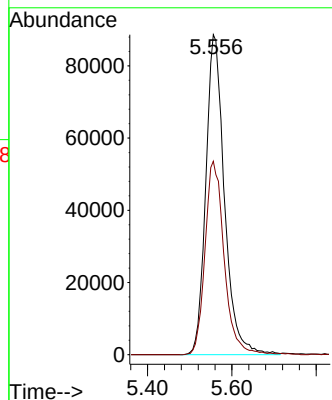
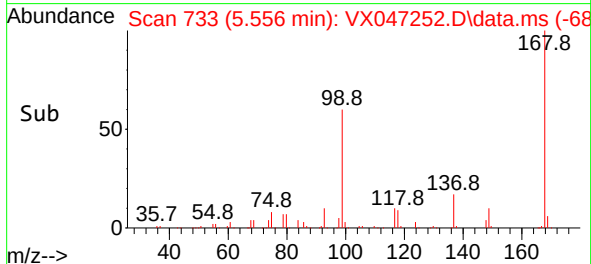


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

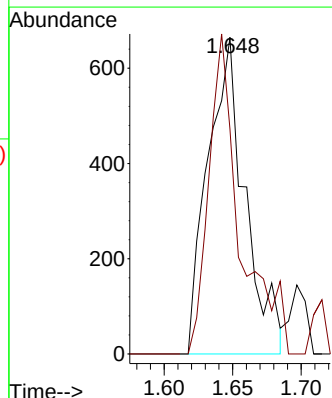
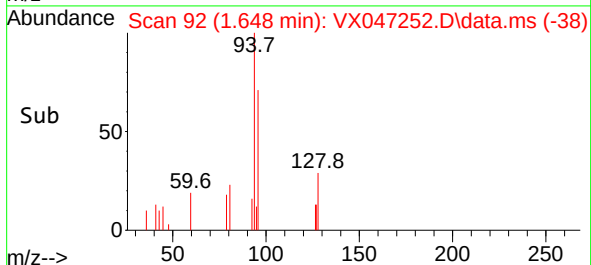
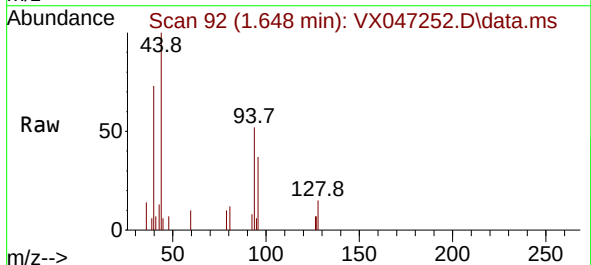


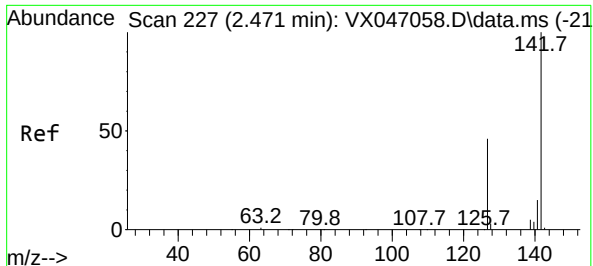
Tgt Ion:168 Resp: 272471
Ion Ratio Lower Upper
168 100
99 60.5 48.0 72.0



#5
Bromomethane
Concen: 0.600 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.031 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 94 Resp: 1254
Ion Ratio Lower Upper
94 100
96 71.0 72.3 108.5#

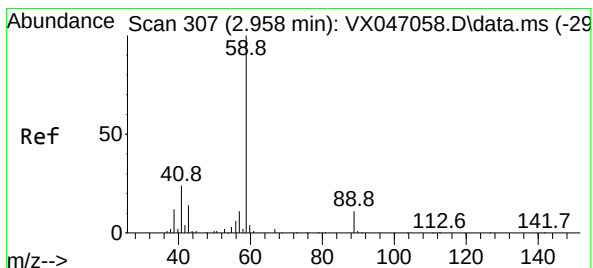
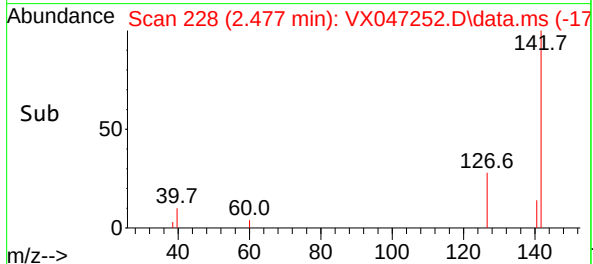
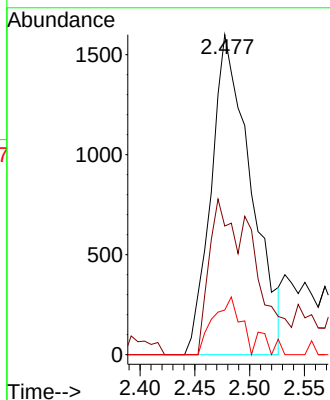
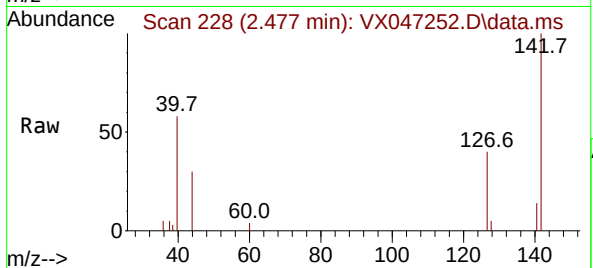




#10
Methyl Iodide
Concen: 1.149 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

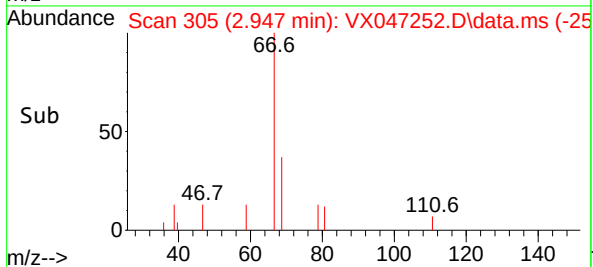
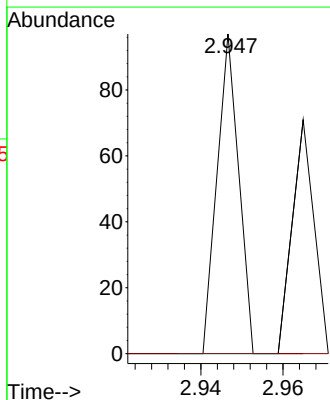
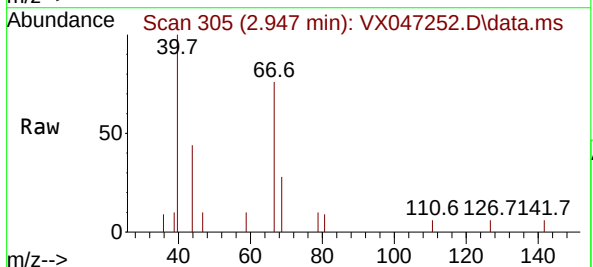
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

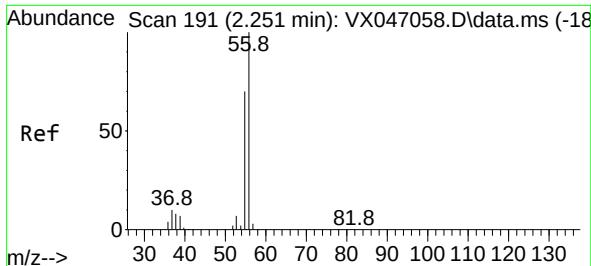
Tgt Ion:142 Resp: 4047
Ion Ratio Lower Upper
142 100
127 31.2 36.6 54.8#
141 12.1 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 59 Resp: 35
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

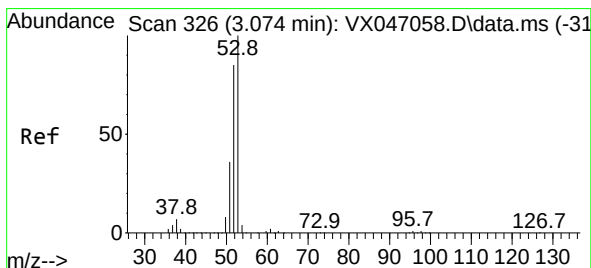
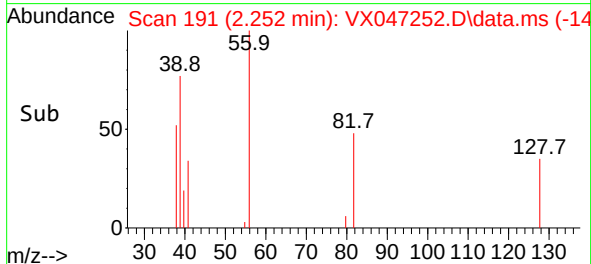
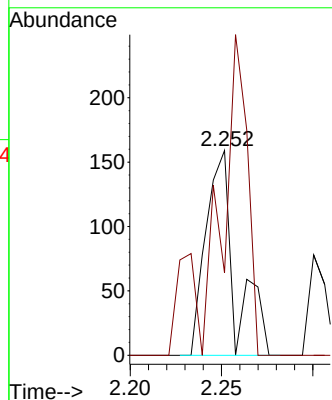
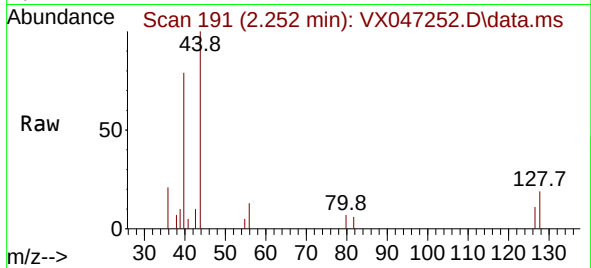




#13
Acrolein
Concen: 0.242 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

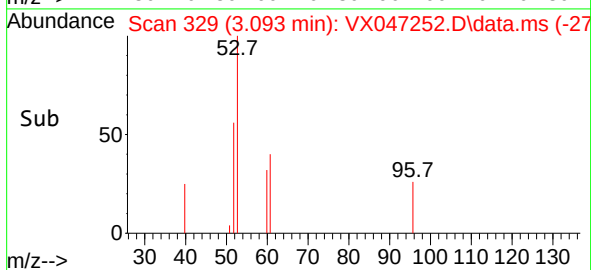
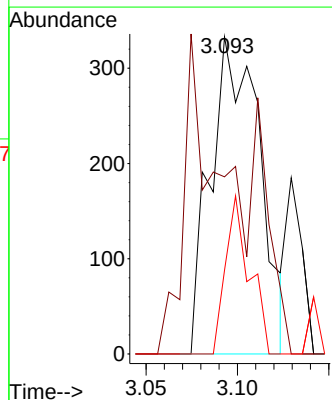
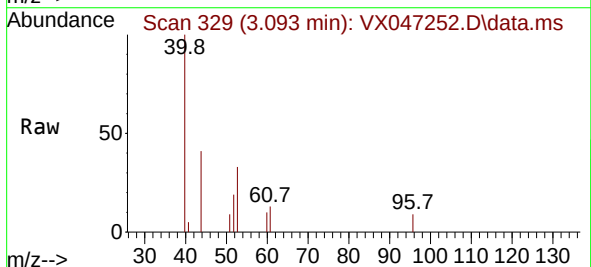
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

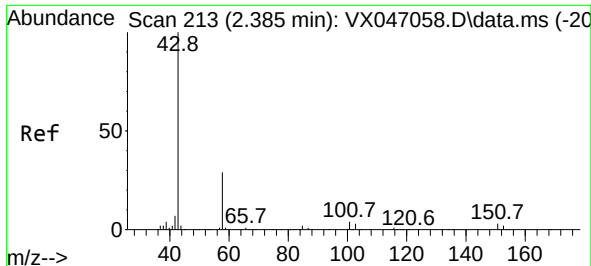
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 128.2 55.7 83.5#



#15
Acrylonitrile
Concen: 0.385 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.019 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 53 Resp: 624
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 24.2 28.8 43.2#

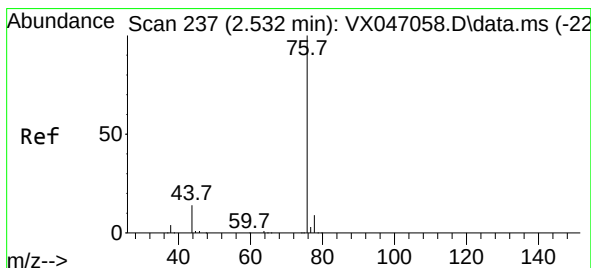
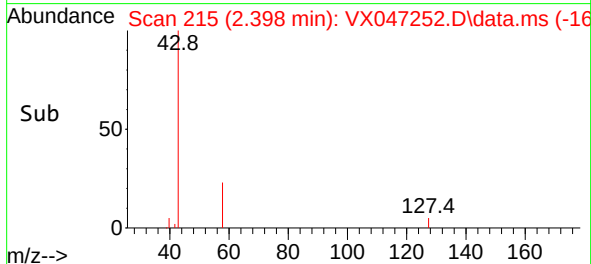
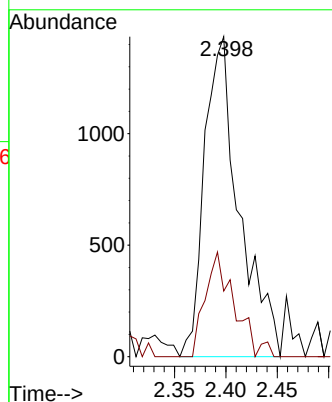
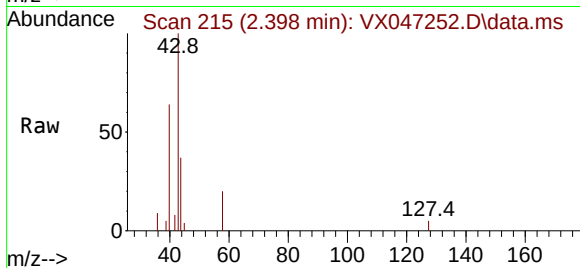




#16
Acetone
Concen: 2.484 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

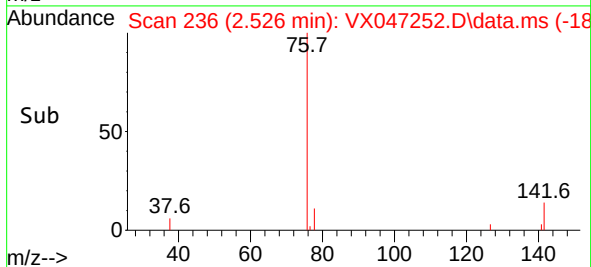
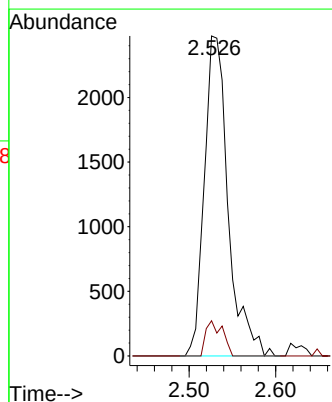
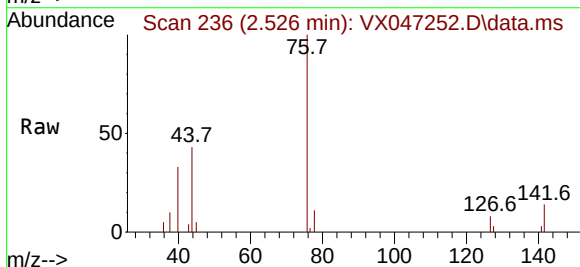
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

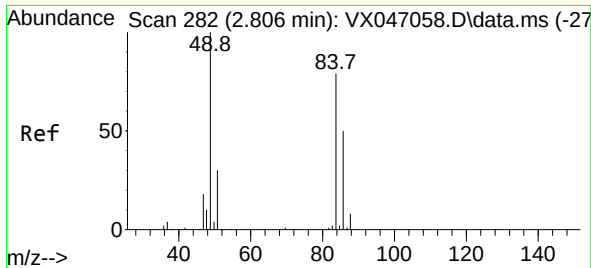
Tgt Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
58 14.9 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.478 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 76 Resp: 4737
Ion Ratio Lower Upper
76 100
78 11.0 7.0 10.4#

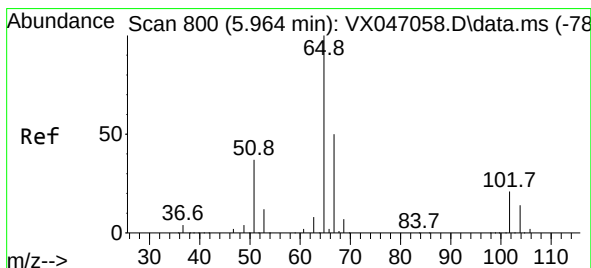
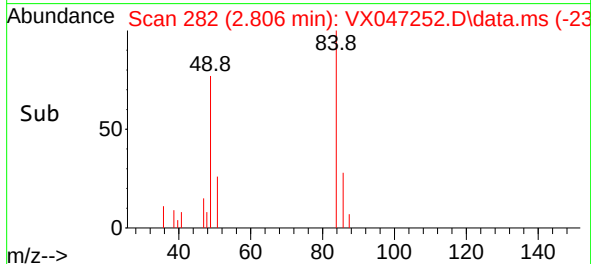
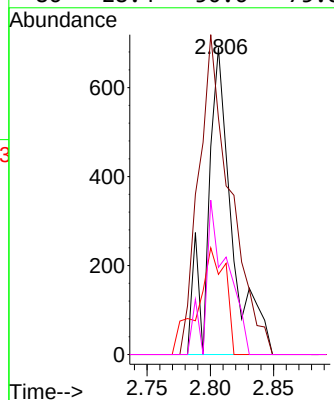
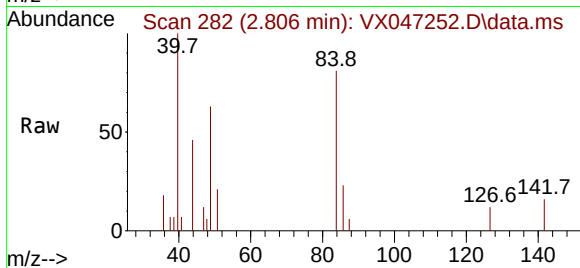




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

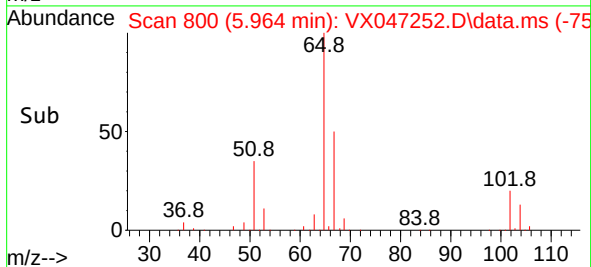
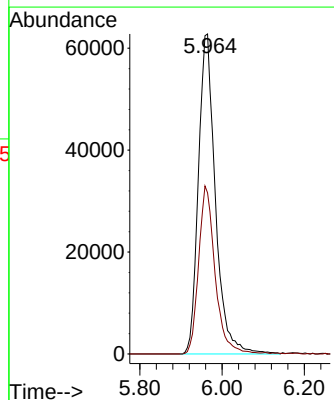
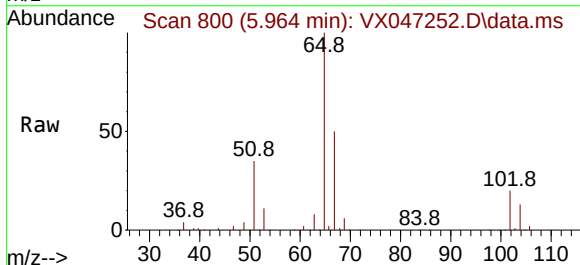
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MSVOA_X
ClientSampleId :
VX0807MBL01

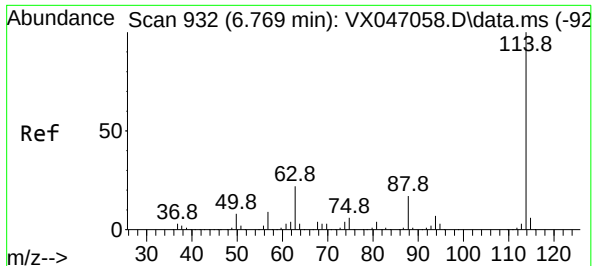
Tgt Ion:	84	Resp:	918
Ion	Ratio	Lower	Upper
84	100		
49	77.1	101.6	152.4#
51	26.1	30.3	45.5#
86	28.4	50.6	75.8#



#33
1,2-Dichloroethane-d4
Concen: 53.149 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion:	65	Resp:	180393
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.8

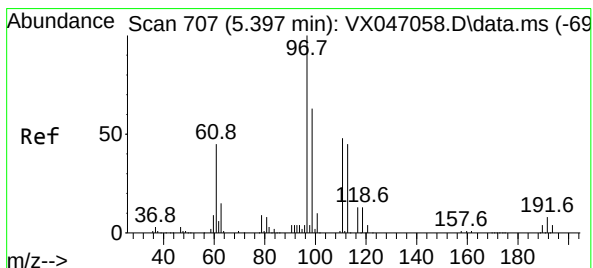
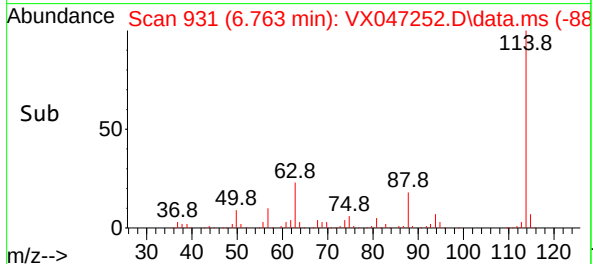
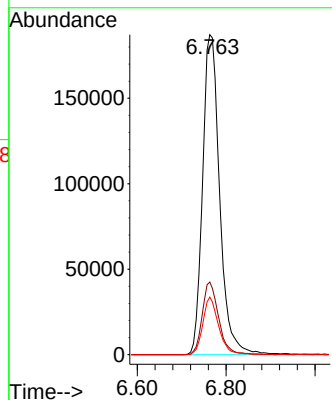
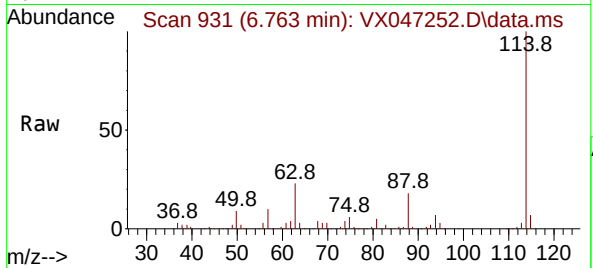




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

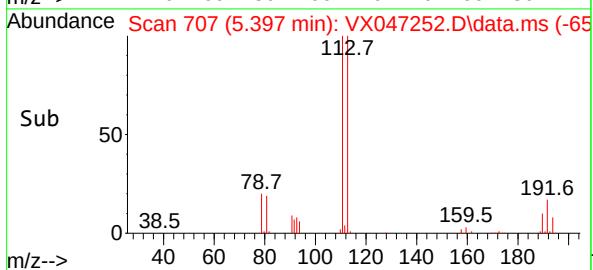
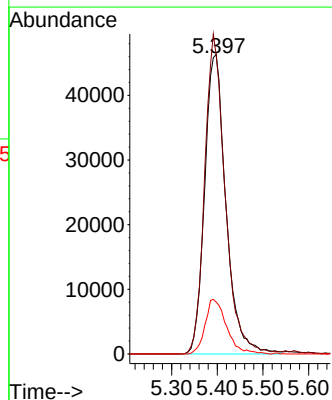
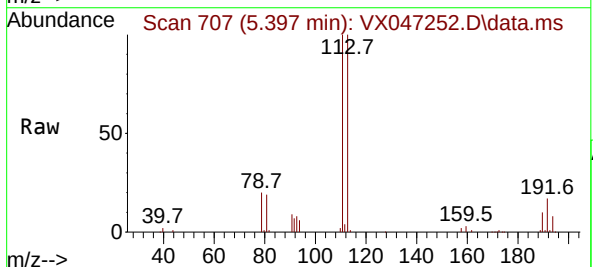
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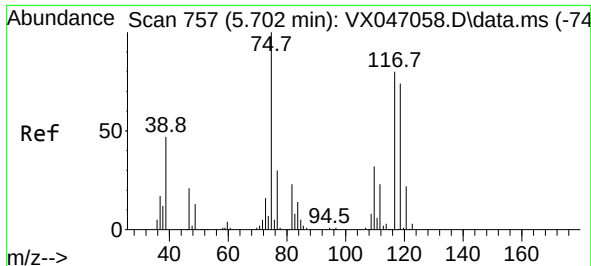
Tgt Ion:114 Resp: 501532
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.2
88 18.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.622 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

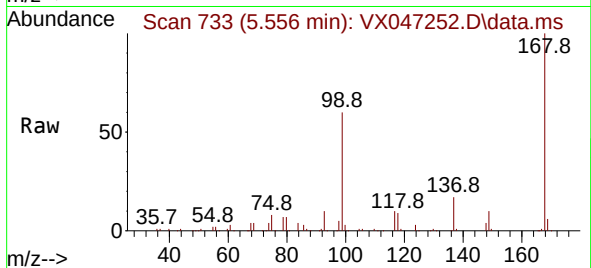
Tgt Ion:113 Resp: 150564
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 18.3 14.9 22.3



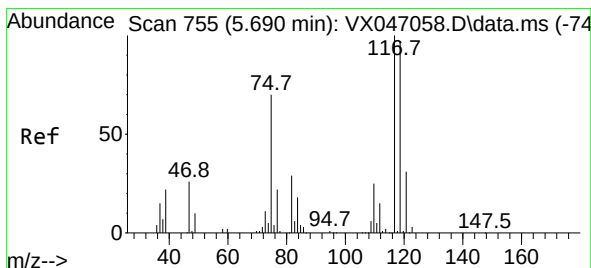
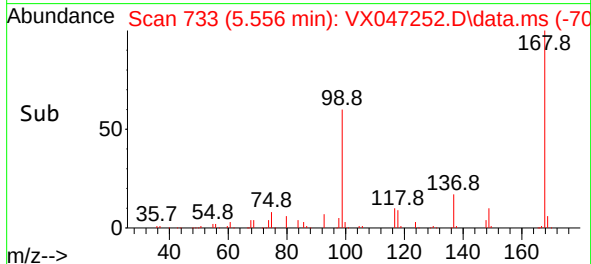
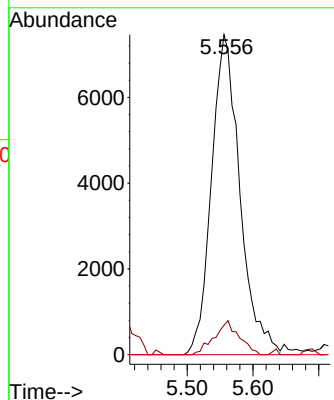


#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

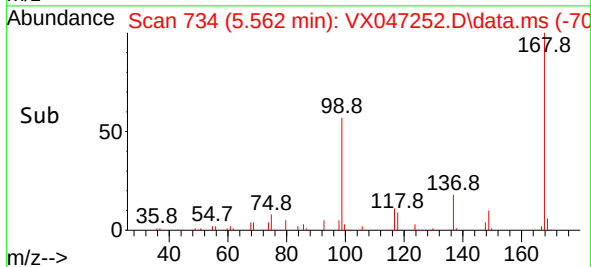
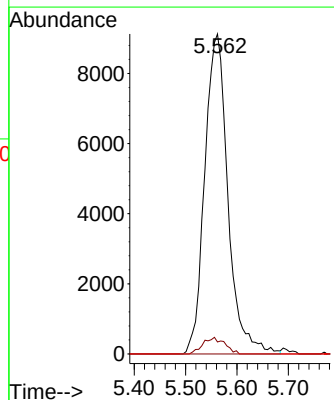
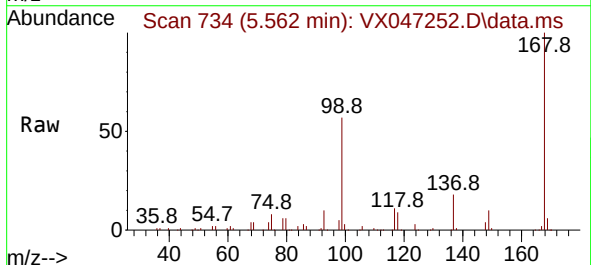


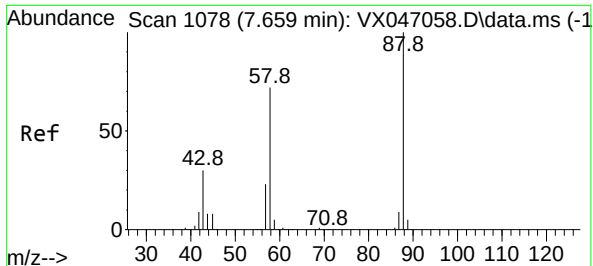
Tgt Ion: 75 Resp: 22394
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 117 Resp: 28626
Ion Ratio Lower Upper
117 100
119 3.7 76.6 115.0#
121 0.0 24.4 36.6#

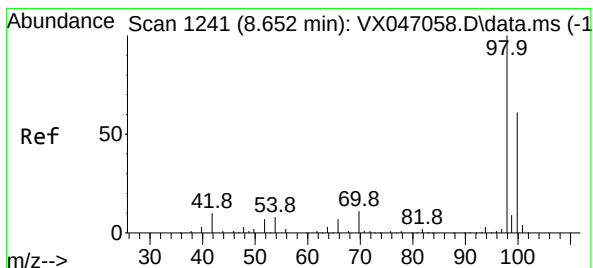
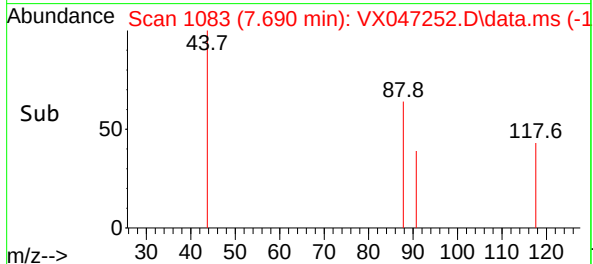
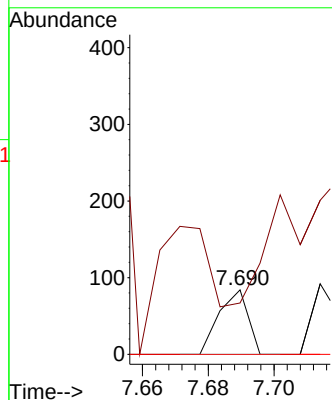
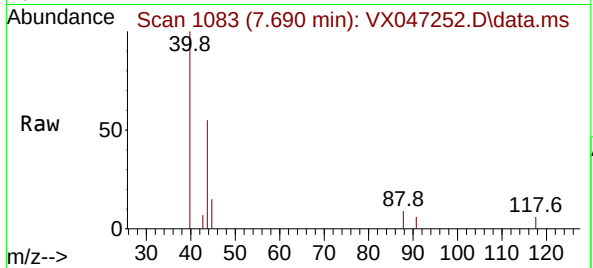




#49
1,4-Dioxane
Concen: 1.107 ug/l
RT: 7.690 min Scan# 110
Delta R.T. 0.031 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

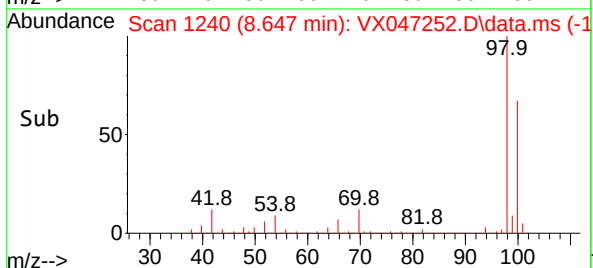
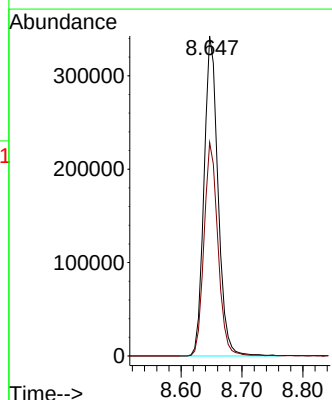
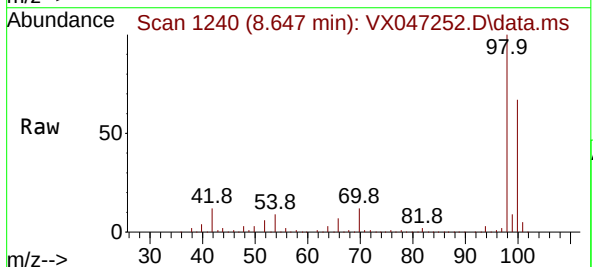
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

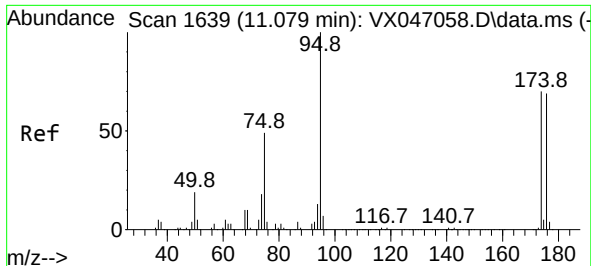
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 276.9 33.6 50.4#
58 0.0 58.8 88.2#



#50
Toluene-d8
Concen: 54.564 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 98 Resp: 547190
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9

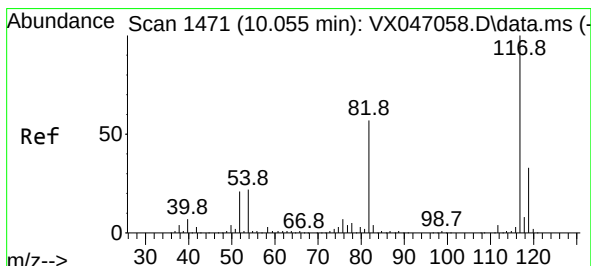
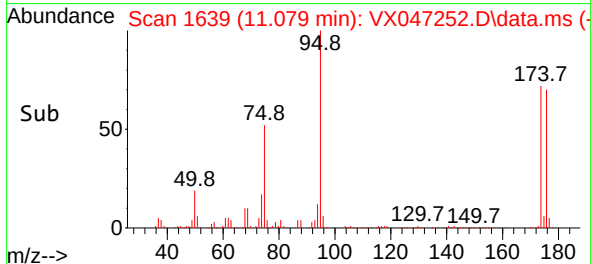
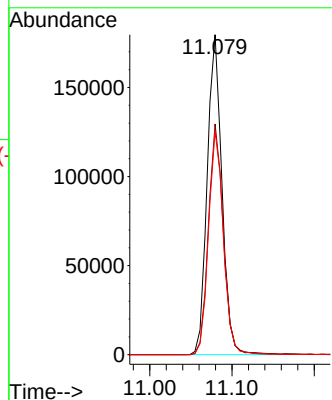
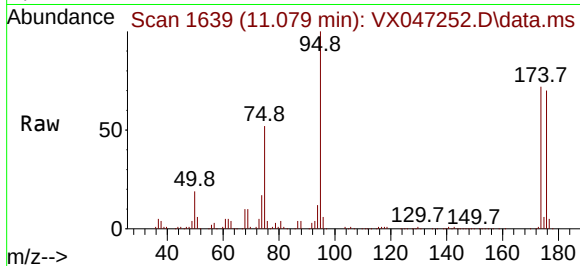




#62
4-Bromofluorobenzene
Concen: 51.902 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

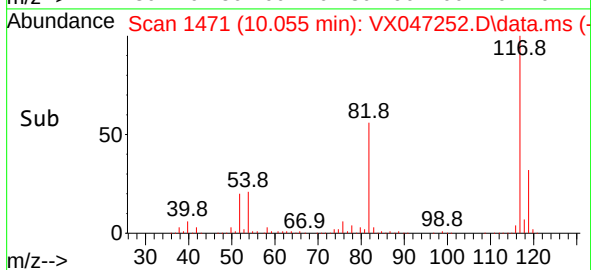
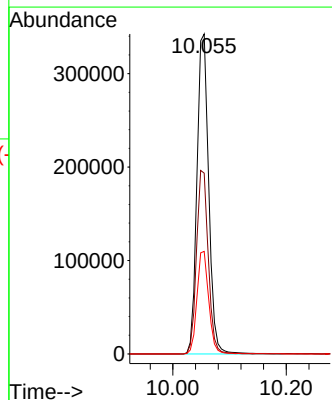
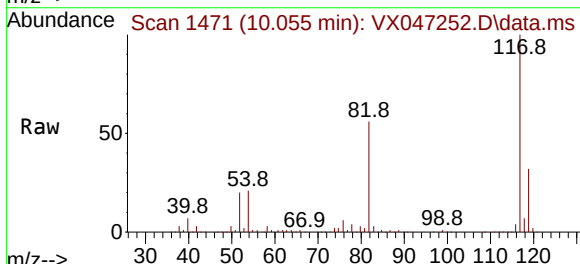
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

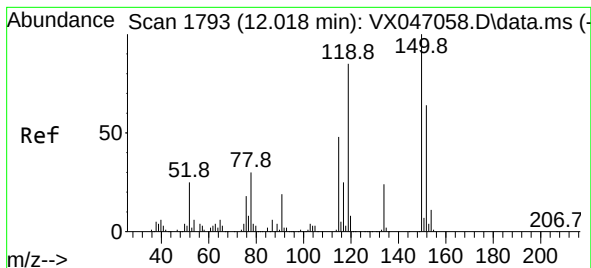
Tgt Ion: 95 Resp: 224303
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 70.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 117 Resp: 491896
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 32.0 26.1 39.1

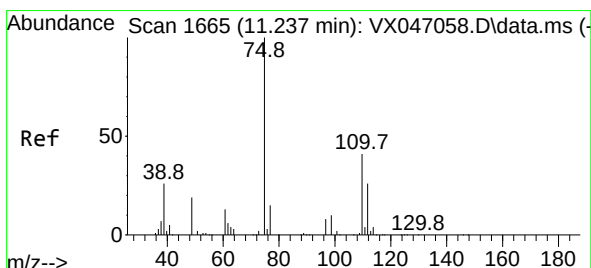
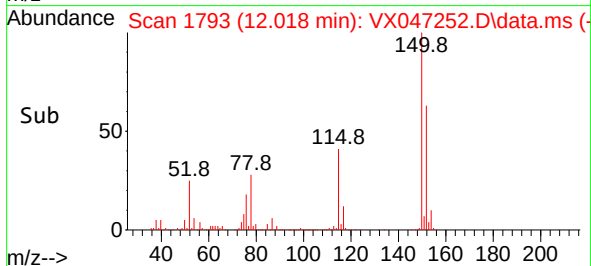
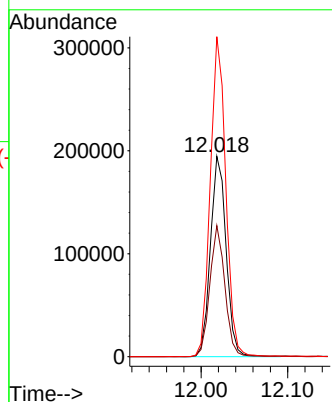
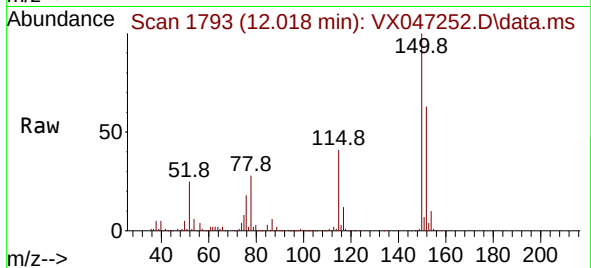




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX047252.D
 Acq: 07 Aug 2025 10:42

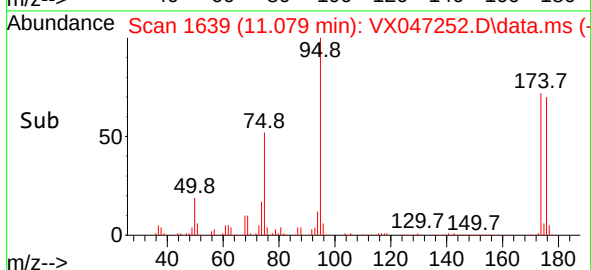
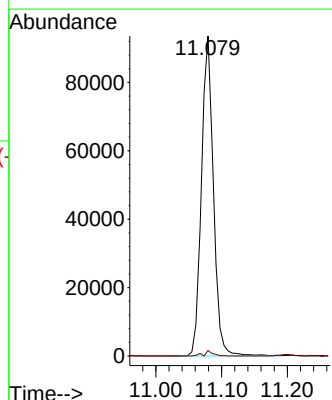
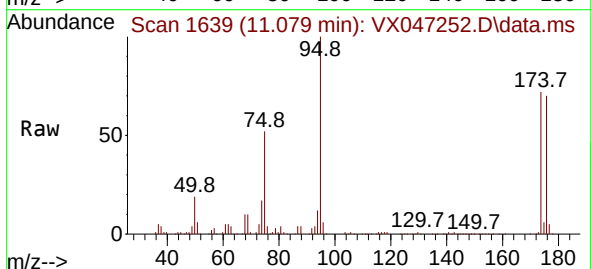
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807MBL01

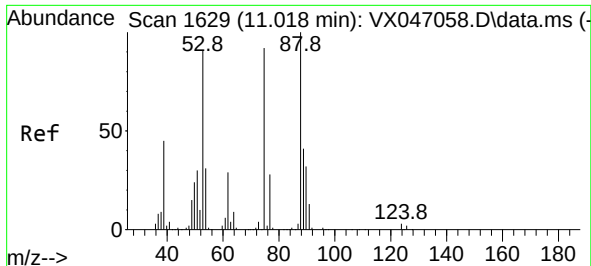
Tgt Ion:152 Resp: 245388
 Ion Ratio Lower Upper
 152 100
 115 62.8 45.6 136.7
 150 157.4 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 26.086 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047252.D
 Acq: 07 Aug 2025 10:42

Tgt Ion: 75 Resp: 118483
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 65.0#

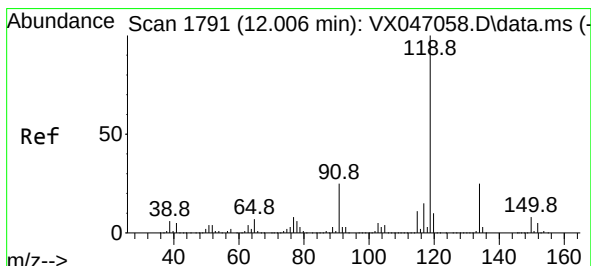
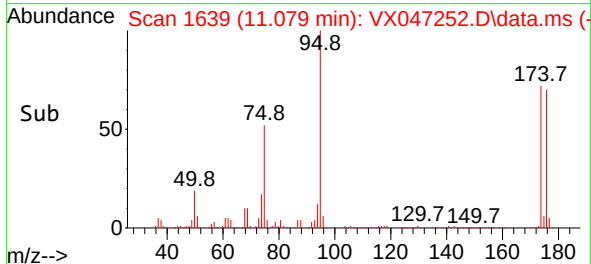
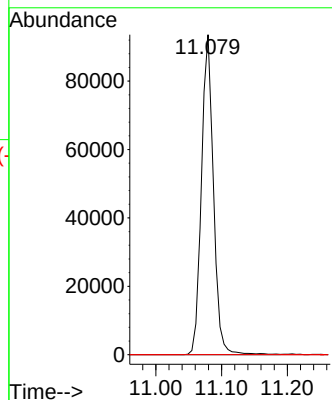
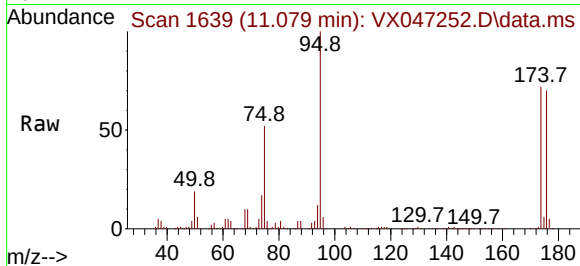




#81
trans-1,4-Dichloro-2-butene
Concen: 67.208 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

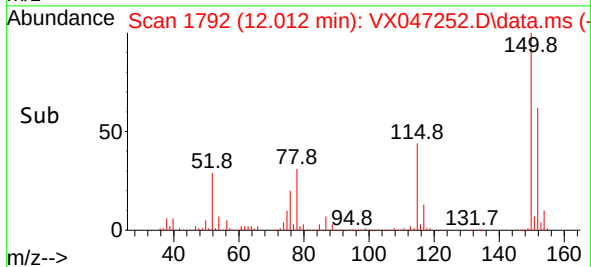
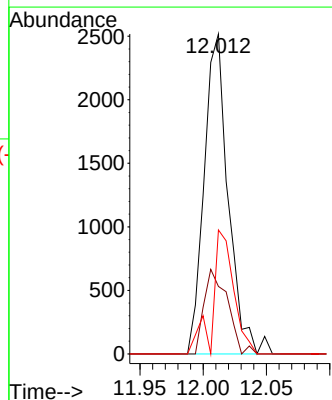
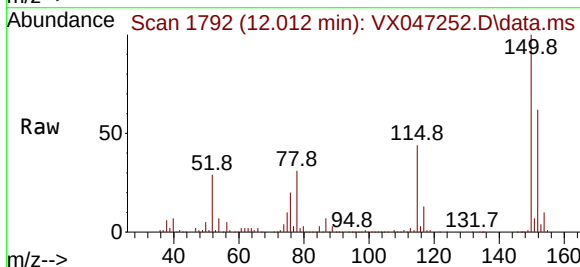
Instrument :
MSVOA_X
ClientSampleId :
VX0807MBL01

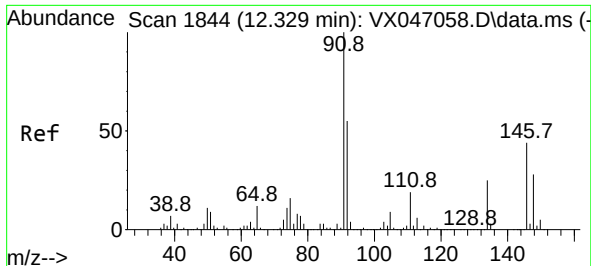
Tgt Ion: 75 Resp: 118483
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX047252.D
Acq: 07 Aug 2025 10:42

Tgt Ion: 119 Resp: 3342
Ion Ratio Lower Upper
119 100
134 25.6 12.8 38.4
91 33.8 12.4 37.4





#89

n-Butylbenzene

Concen: 0.303 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047252.D

Acq: 07 Aug 2025 10:42

Instrument :

MSVOA_X

ClientSampleId :

VX0807MBL01

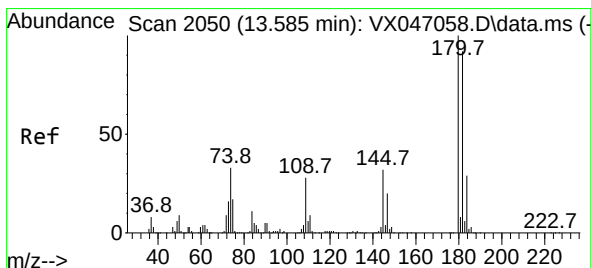
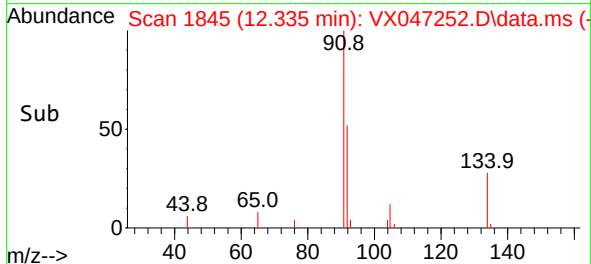
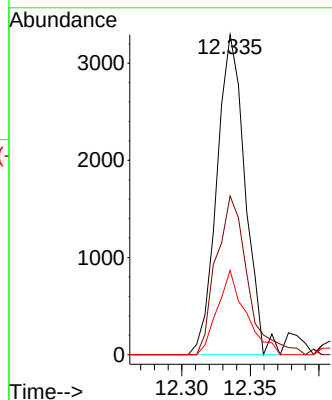
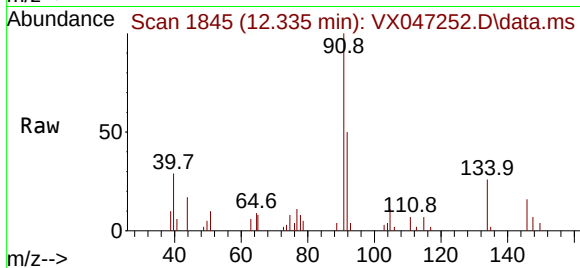
Tgt Ion: 91 Resp: 4720

Ion Ratio Lower Upper

91 100

92 55.4 27.5 82.5

134 26.3 12.8 38.3



#93

1,2,4-Trichlorobenzene

Concen: 0.376 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047252.D

Acq: 07 Aug 2025 10:42

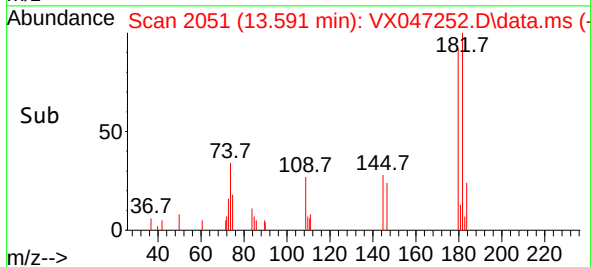
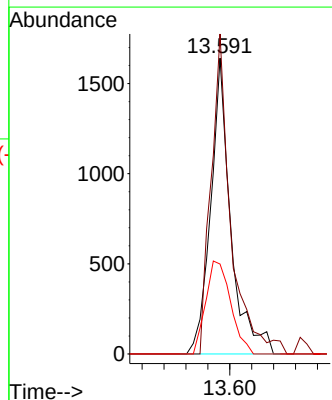
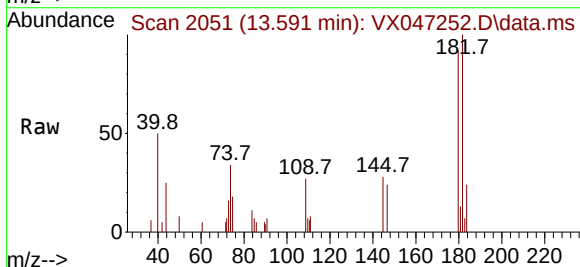
Tgt Ion:180 Resp: 2096

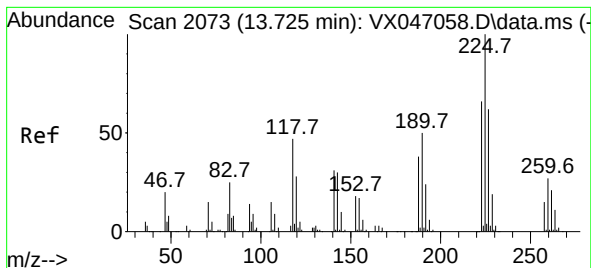
Ion Ratio Lower Upper

180 100

182 106.1 47.3 141.8

145 38.8 16.4 49.1





#94

Hexachlorobutadiene

Concen: 2.412 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047252.D

Acq: 07 Aug 2025 10:42

Instrument :

MSVOA_X

ClientSampleId :

VX0807MBL01

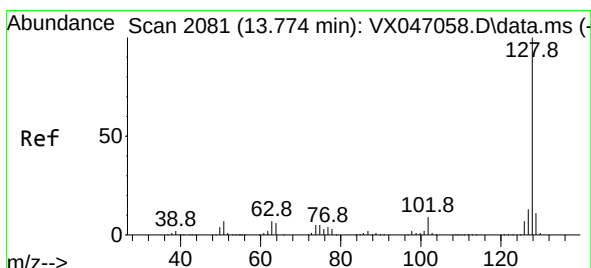
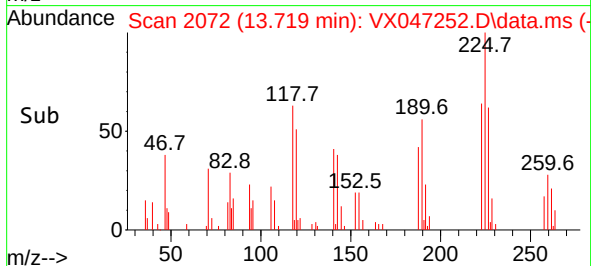
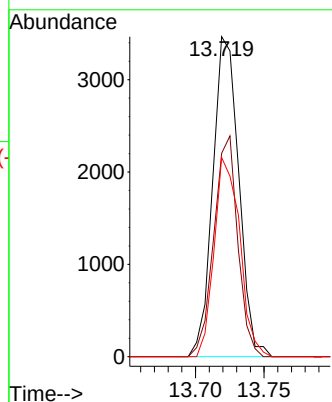
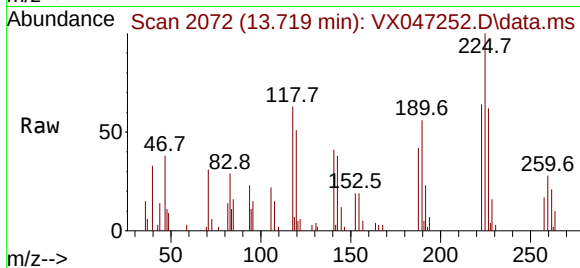
Tgt Ion:225 Resp: 4570

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

227 61.2 32.9 98.6



#95

Naphthalene

Concen: 0.296 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX047252.D

Acq: 07 Aug 2025 10:42

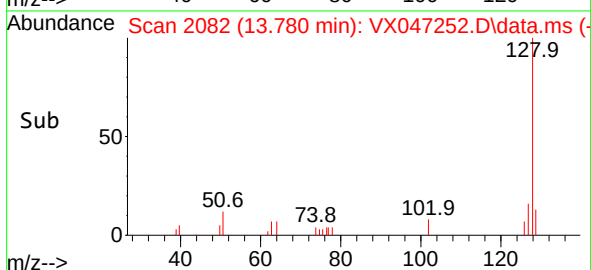
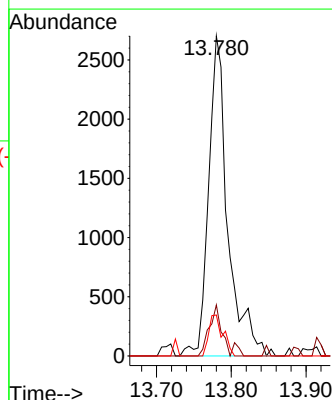
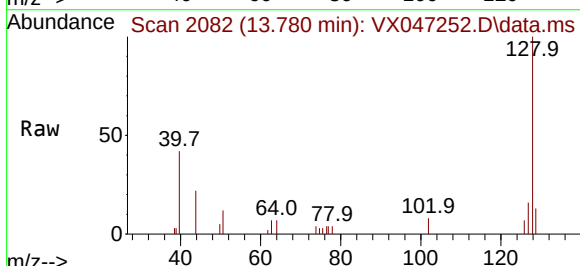
Tgt Ion:128 Resp: 4833

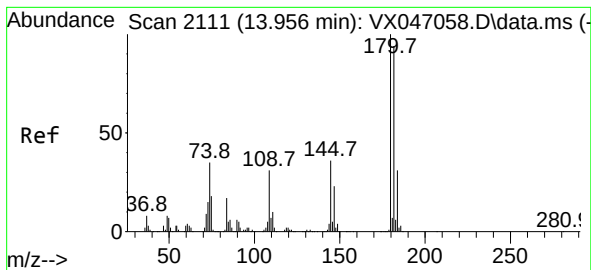
Ion Ratio Lower Upper

128 100

127 10.1 10.1 15.1#

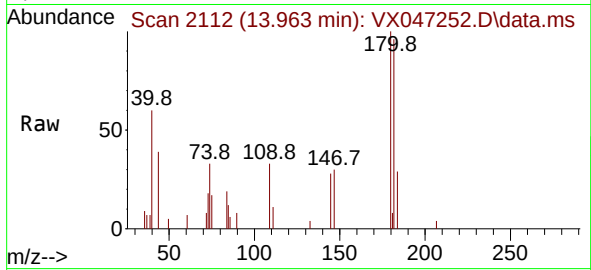
129 9.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX047252.D
 Acq: 07 Aug 2025 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807MBL01



Tgt Ion:	180	Resp:	2101
Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.9	140.6
145	35.9	17.3	52.0

