

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047957.D
 Acq On : 02 Oct 2025 11:24
 Operator : JC/MD
 Sample : Q3246-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-460-462

Quant Time: Oct 03 03:27:12 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)

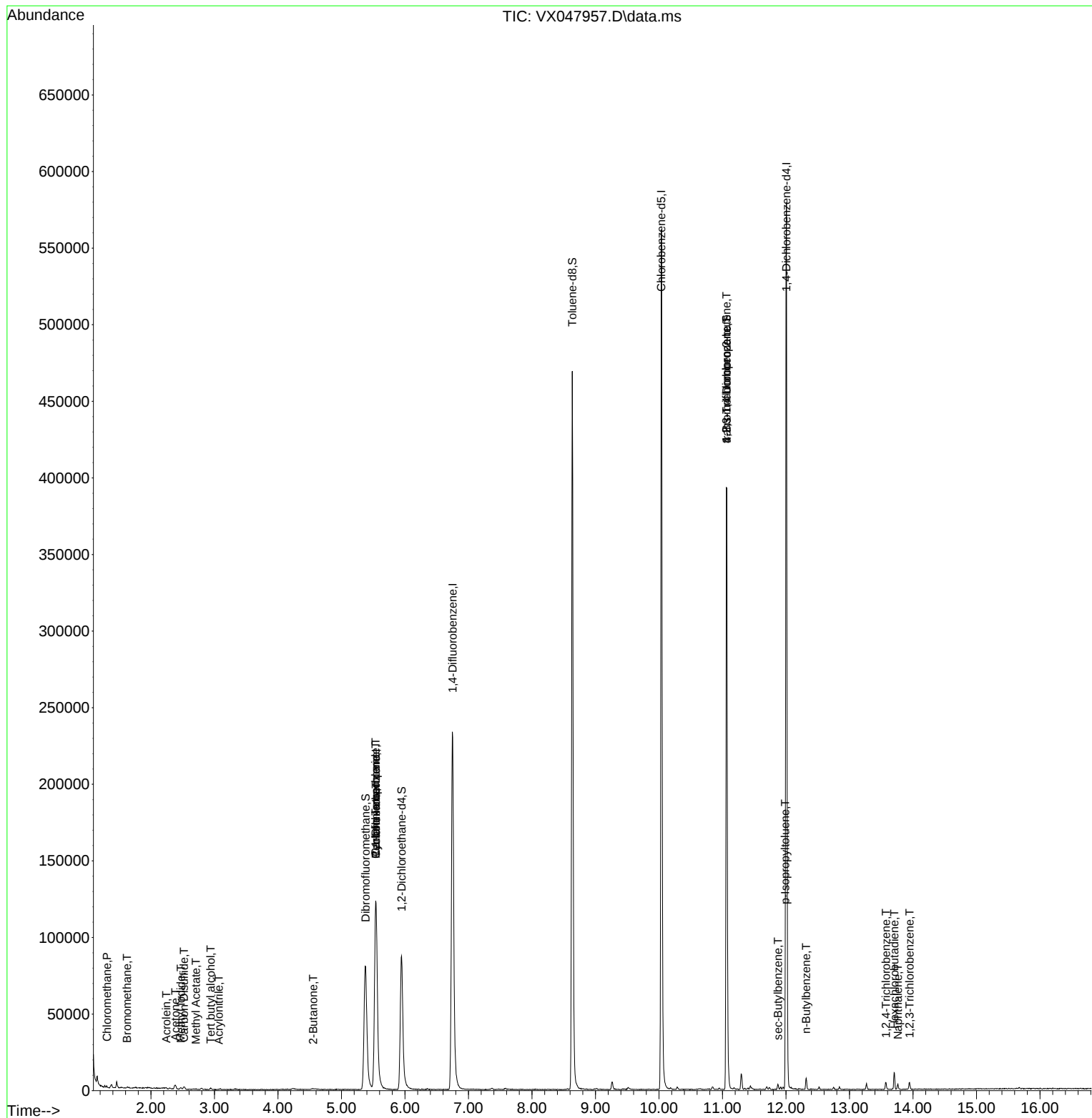
Internal Standards						
1) Pentafluorobenzene	5.544	168	127914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	256538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	255834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95997	47.148	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.300%
35) Dibromofluoromethane	5.379	113	81995	47.658	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.320%
50) Toluene-d8	8.635	98	282326	47.424	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.840%
62) 4-Bromofluorobenzene	11.061	95	116514	51.570	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	826	0.474	ug/l	98
5) Bromomethane	1.624	94	386	0.357	ug/l #	62
10) Methyl Iodide	2.471	142	1175	0.509	ug/l #	88
11) Tert butyl alcohol	2.941	59	132	0.582	ug/l #	72
13) Acrolein	2.240	56	135	0.646	ug/l #	14
15) Acrylonitrile	3.069	53	206	0.245	ug/l #	53
16) Acetone	2.386	43	4455	5.032	ug/l	91
17) Carbon Disulfide	2.520	76	1582	0.380	ug/l	99
18) Methyl Acetate	2.709	43	652	0.331	ug/l #	54
25) 2-Butanone	4.556	43	260	0.235	ug/l #	50
31) Cyclohexane	5.544	56	2996	1.114	ug/l #	29
36) 1,1-Dichloropropene	5.538	75	10819	4.303	ug/l #	50
38) Carbon Tetrachloride	5.538	117	13812	5.056	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	60656	24.420	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	60656	62.273	ug/l #	8
85) sec-Butylbenzene	11.872	105	2021	0.217	ug/l	95
86) p-Isopropyltoluene	11.988	119	2013	0.255	ug/l	86
89) n-Butylbenzene	12.317	91	3010	0.412	ug/l	99
93) 1,2,4-Trichlorobenzene	13.573	180	1370	0.519	ug/l	92
94) Hexachlorobutadiene	13.707	225	1604	1.787	ug/l	99
95) Naphthalene	13.762	128	2623	0.326	ug/l	97
96) 1,2,3-Trichlorobenzene	13.945	180	1189	0.484	ug/l	95

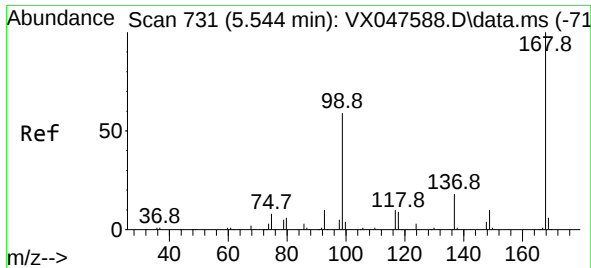
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
Data File : VX047957.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

Quant Time: Oct 03 03:27:12 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

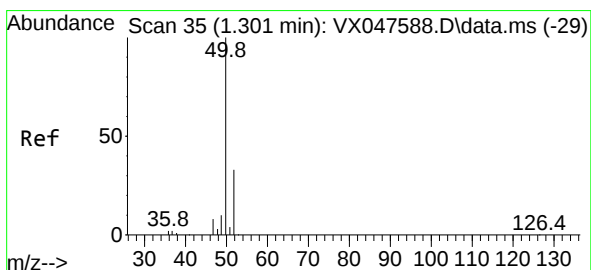
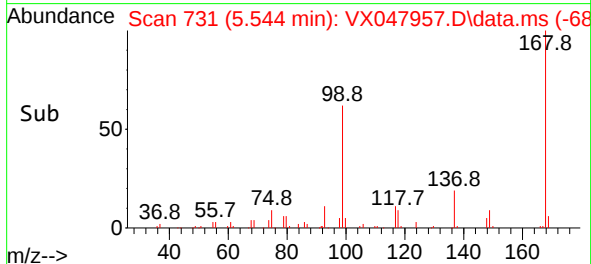
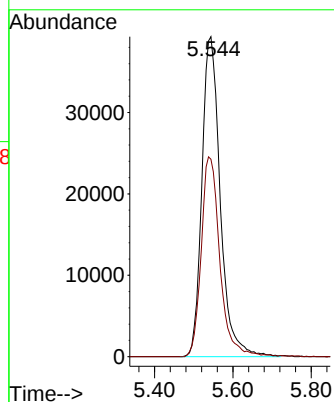
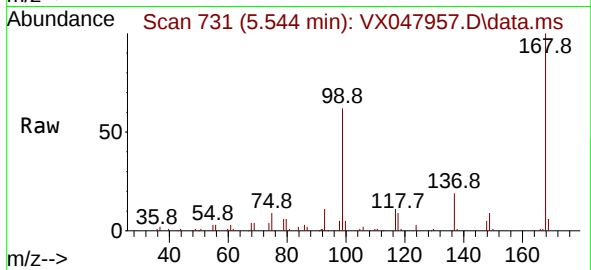




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

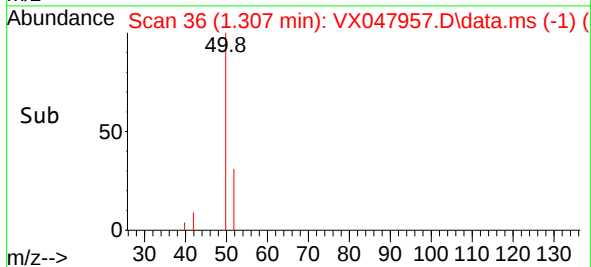
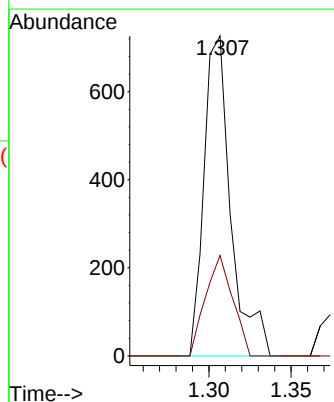
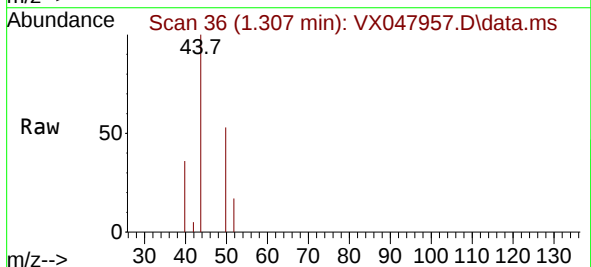
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

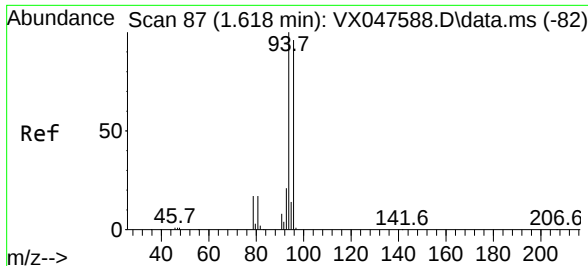
Tgt Ion:168 Resp: 127914
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#3
Chloromethane
Concen: 0.474 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 50 Resp: 826
Ion Ratio Lower Upper
50 100
52 31.4 26.1 39.1

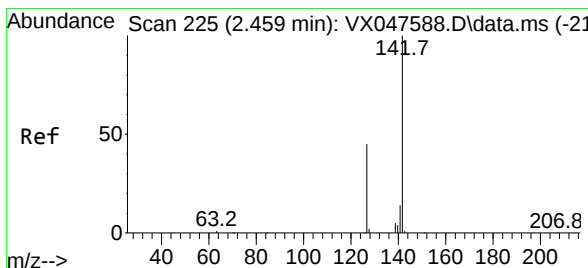
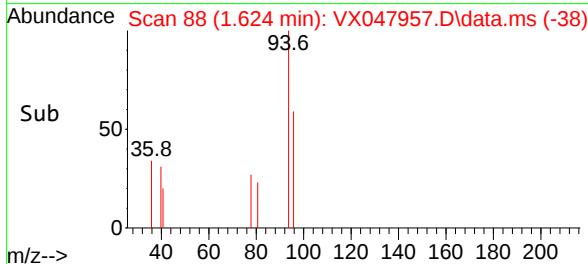
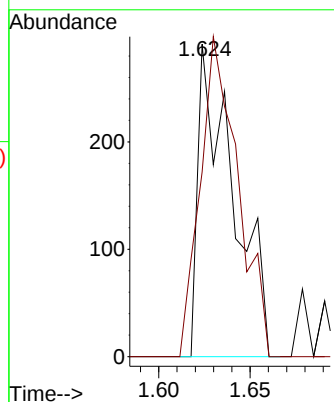
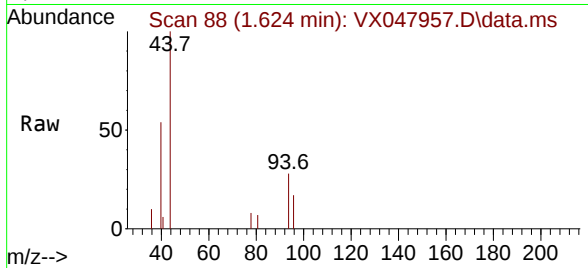




#5
Bromomethane
Concen: 0.357 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

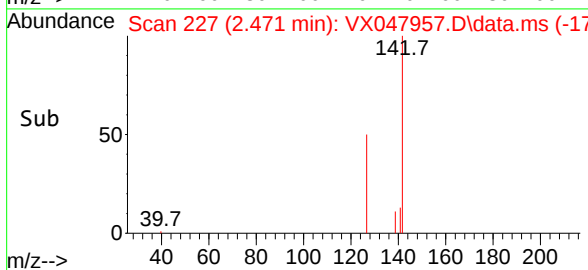
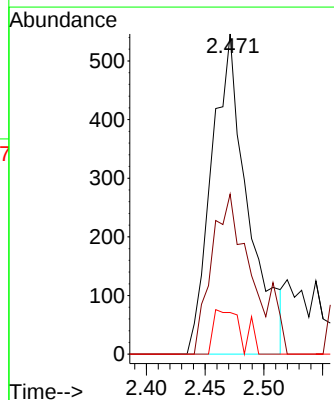
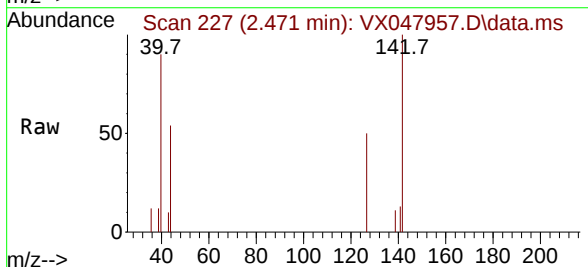
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

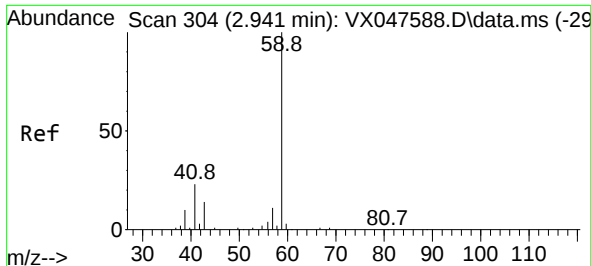
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 59.1 76.6 115.0#



#10
Methyl Iodide
Concen: 0.509 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 142 Resp: 1175
Ion Ratio Lower Upper
142 100
127 55.6 37.2 55.8
141 10.9 11.4 17.0#

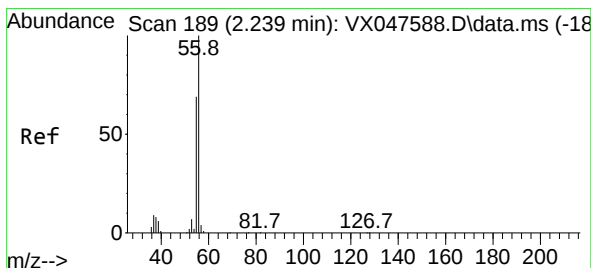
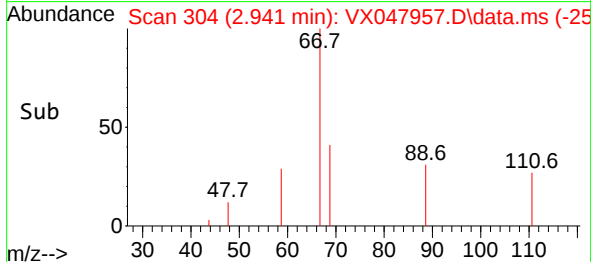
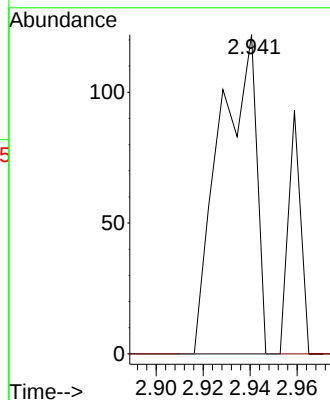
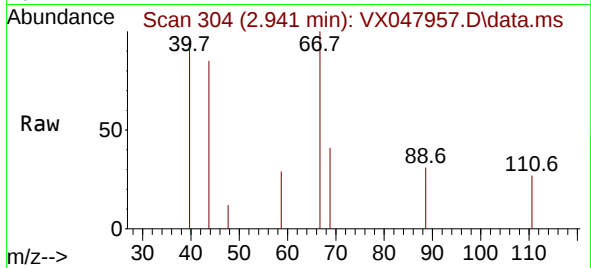




#11
Tert butyl alcohol
Concen: 0.582 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

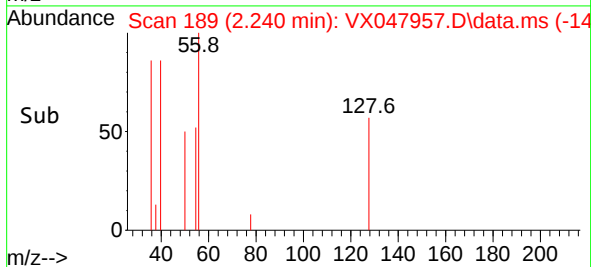
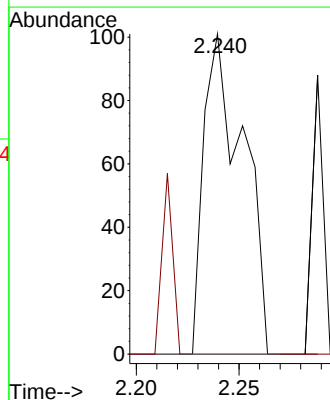
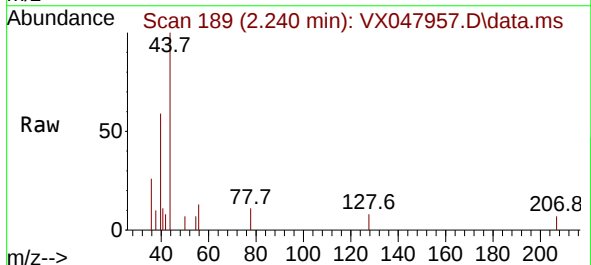
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

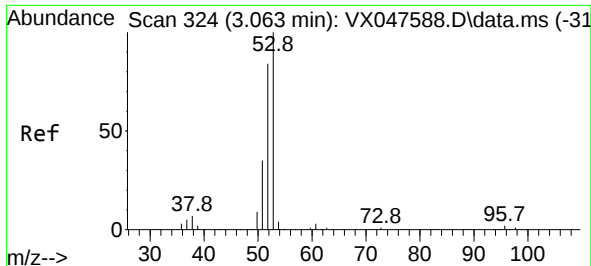
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.646 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

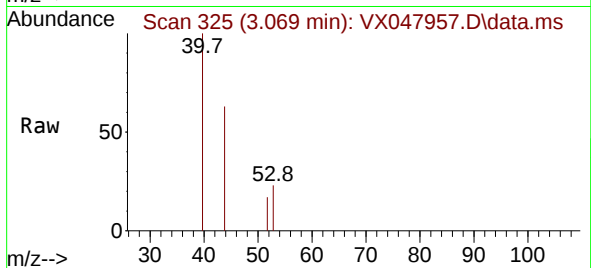
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



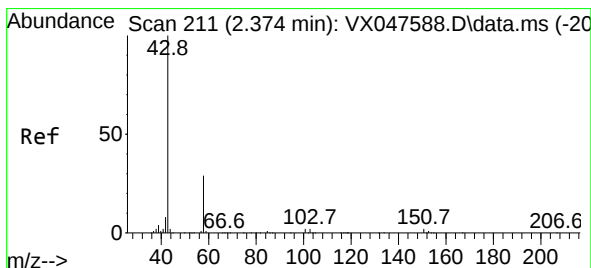
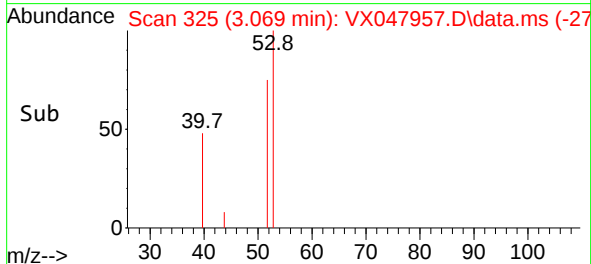
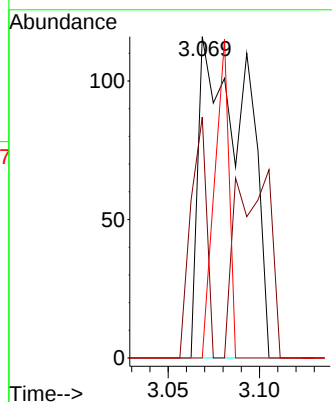


#15
Acrylonitrile
Concen: 0.245 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

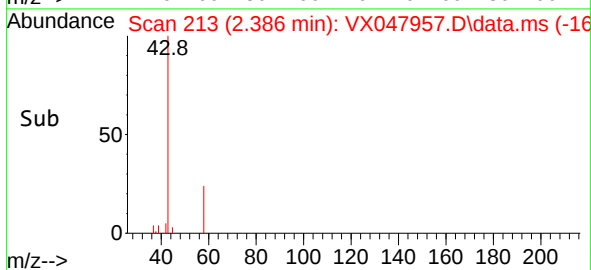
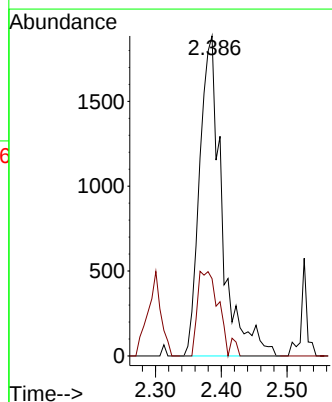
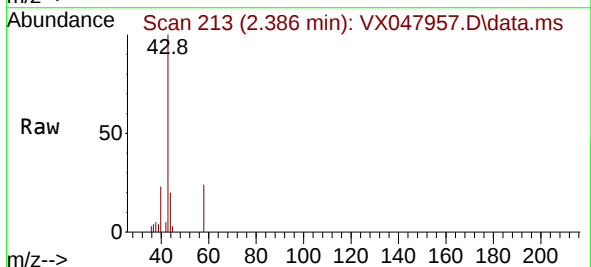


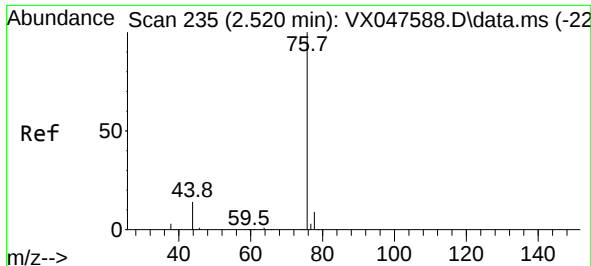
Tgt Ion: 53 Resp: 206
Ion Ratio Lower Upper
53 100
52 25.7 66.4 99.6#
51 30.6 29.5 44.3



#16
Acetone
Concen: 5.032 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 43 Resp: 4455
Ion Ratio Lower Upper
43 100
58 24.1 23.4 35.0

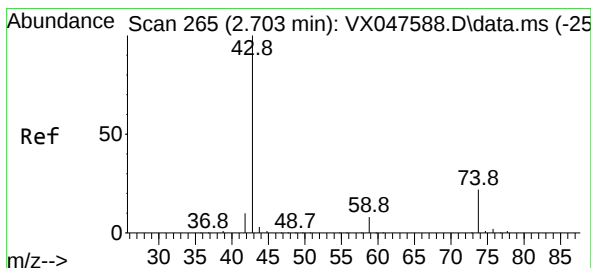
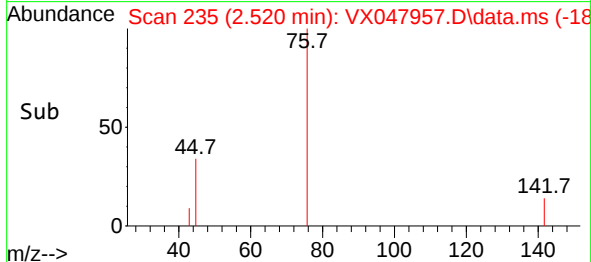
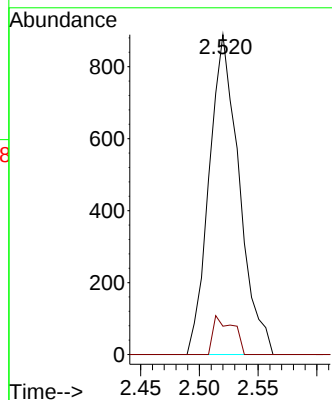
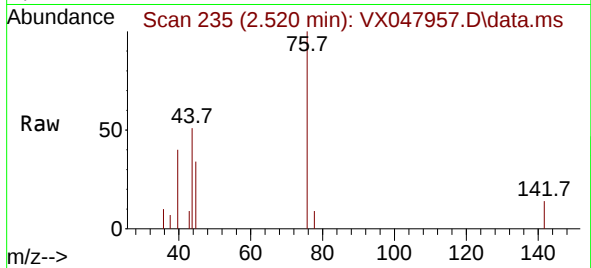




#17
Carbon Disulfide
Concen: 0.380 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

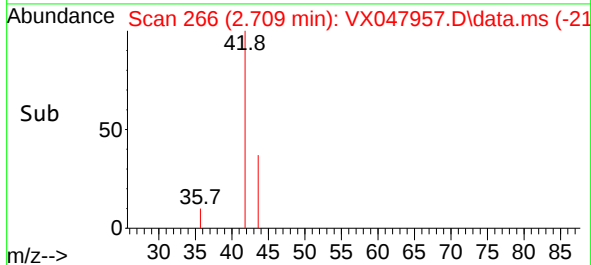
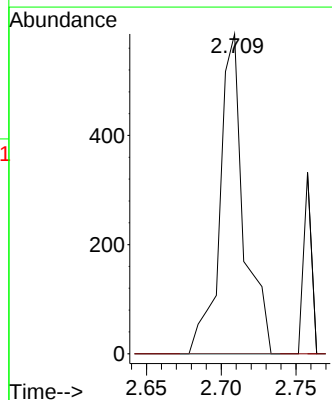
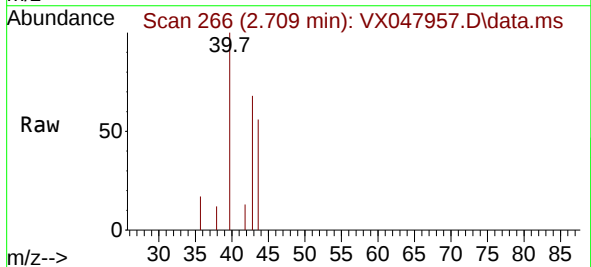
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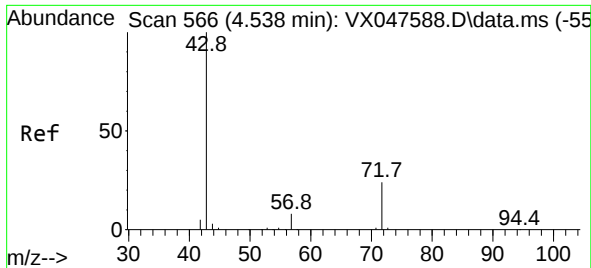
Tgt Ion: 76 Resp: 1582
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2



#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

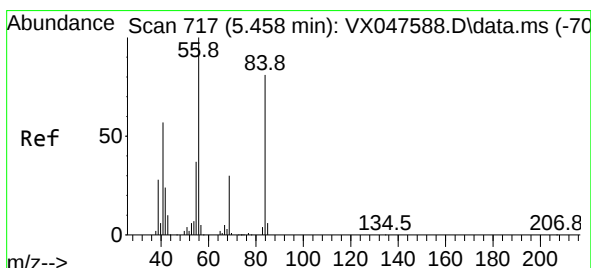
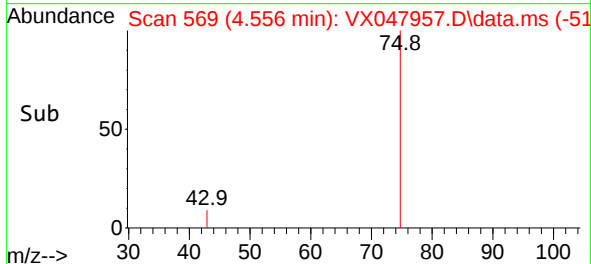
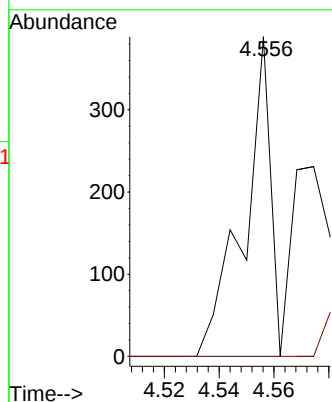
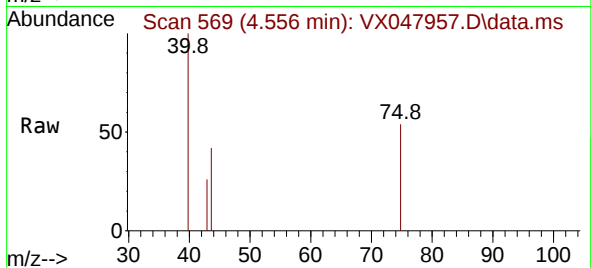




#25
2-Butanone
Concen: 0.235 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

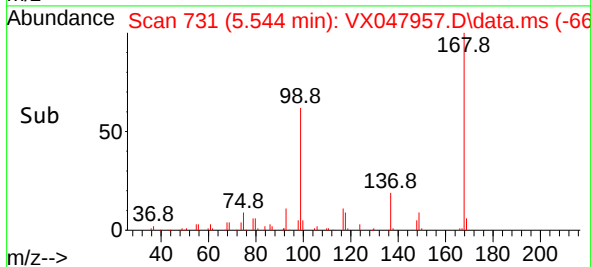
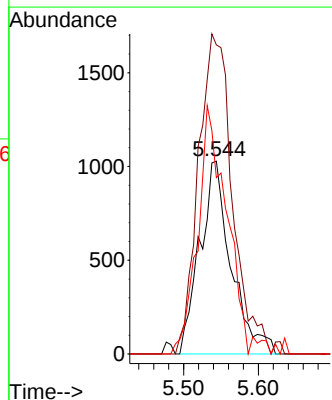
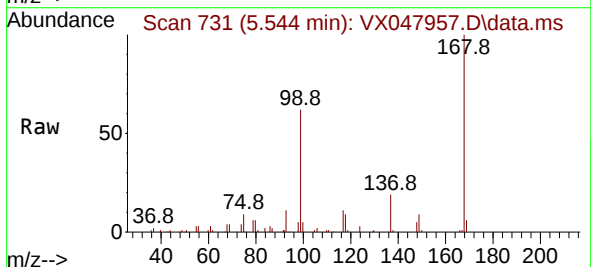
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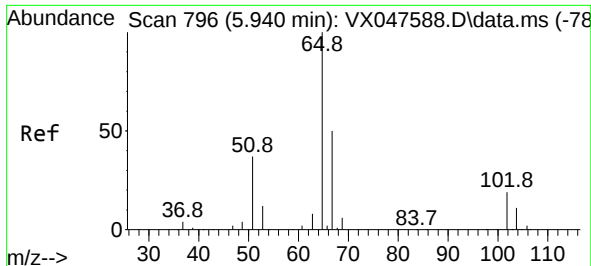
Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 56 Resp: 2996
Ion Ratio Lower Upper
56 100
69 153.8 23.8 35.8#
84 91.4 64.6 97.0

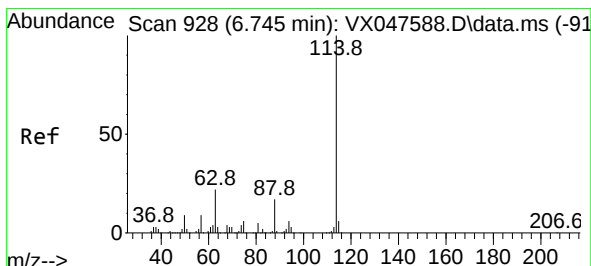
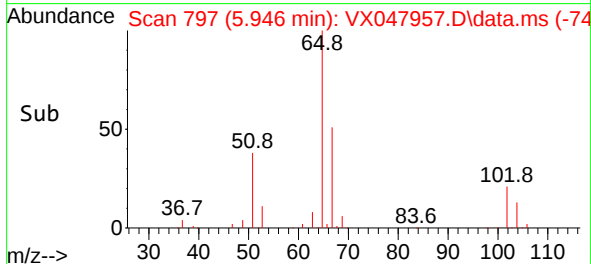
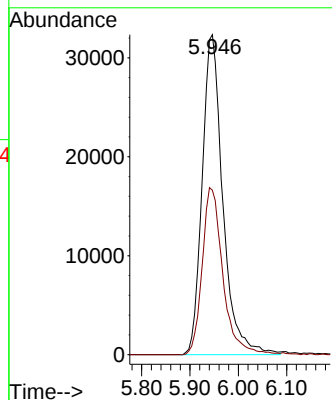
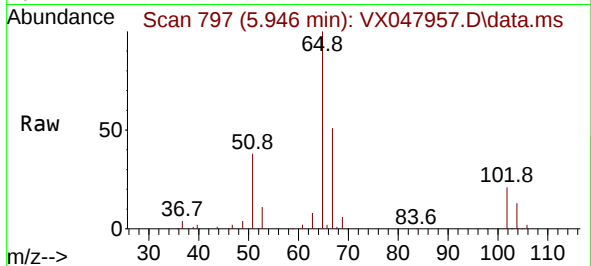




#33
 1,2-Dichloroethane-d4
 Concen: 47.148 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX047957.D
 Acq: 02 Oct 2025 11:24

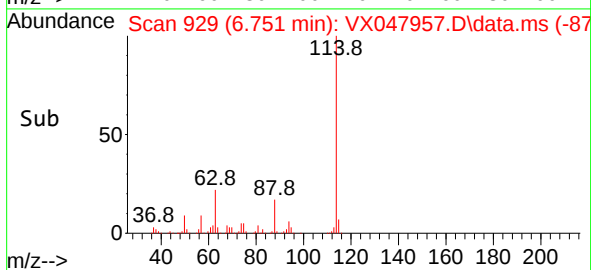
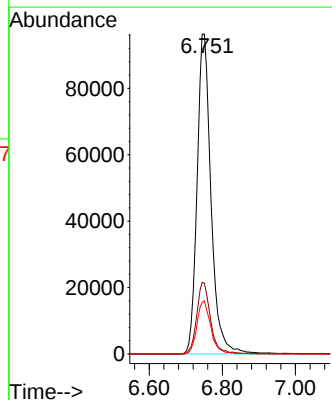
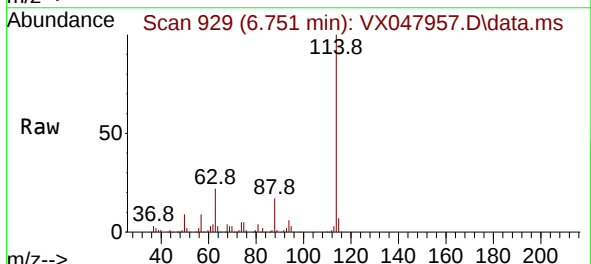
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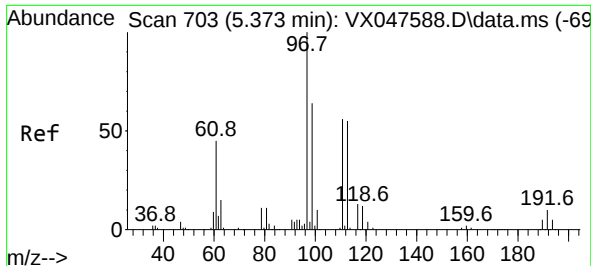
Tgt Ion: 65 Resp: 95997
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047957.D
 Acq: 02 Oct 2025 11:24

Tgt Ion: 114 Resp: 256538
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.0
 88 16.6 0.0 34.2

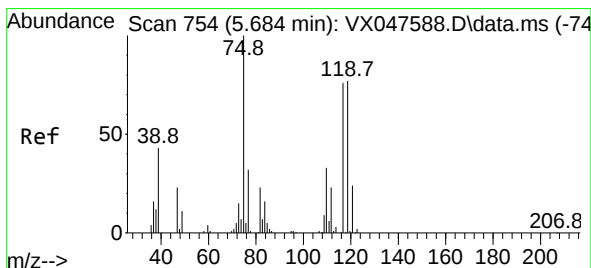
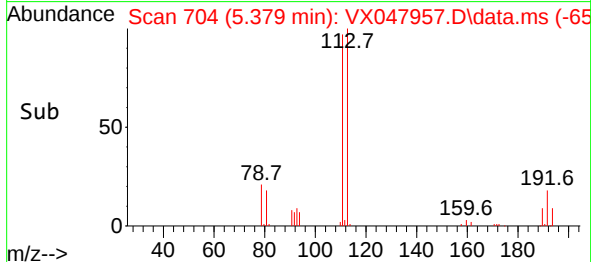
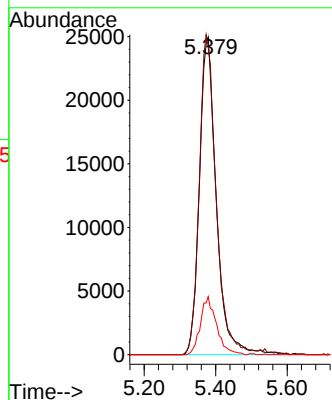
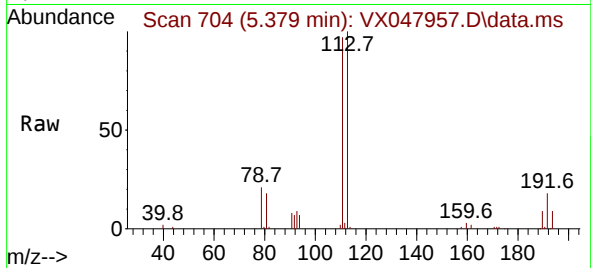




#35
Dibromofluoromethane
Concen: 47.658 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

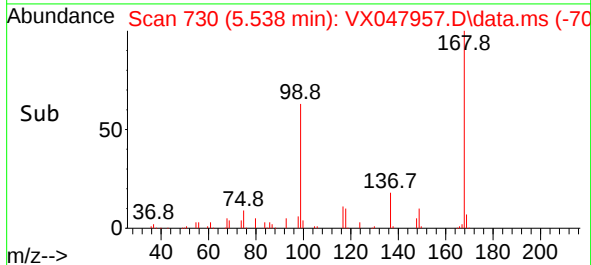
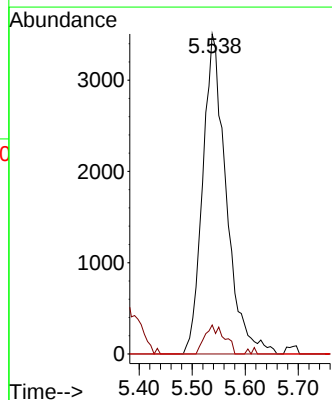
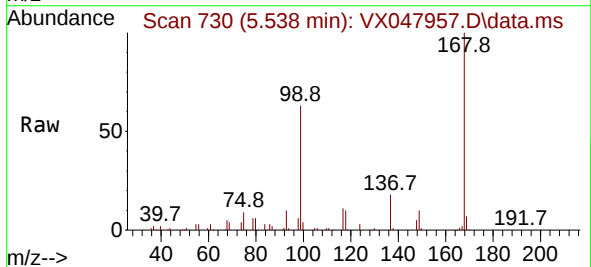
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

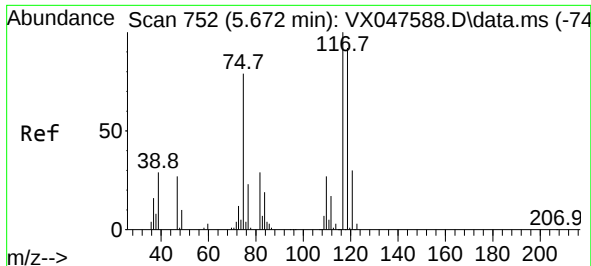
Tgt Ion:113 Resp: 81995
Ion Ratio Lower Upper
113 100
111 100.1 80.9 121.3
192 17.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.303 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

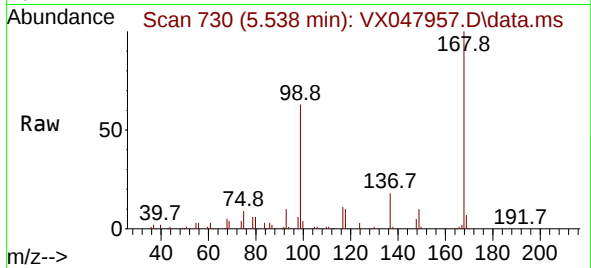
Tgt Ion: 75 Resp: 10819
Ion Ratio Lower Upper
75 100
110 7.4 16.7 50.1#
77 0.0 24.3 36.5#



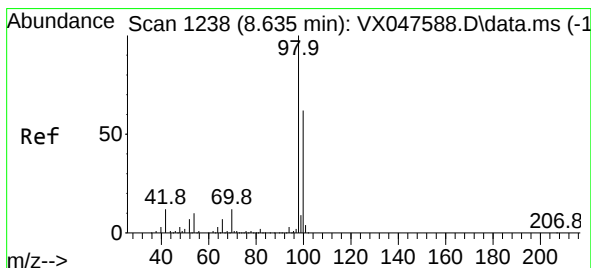
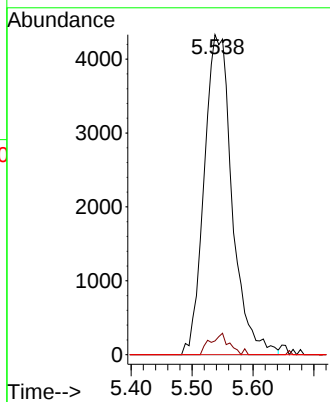
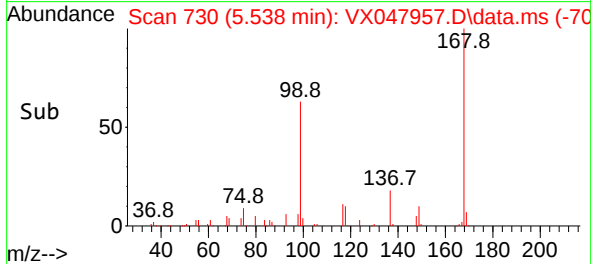


#38
Carbon Tetrachloride
Concen: 5.056 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

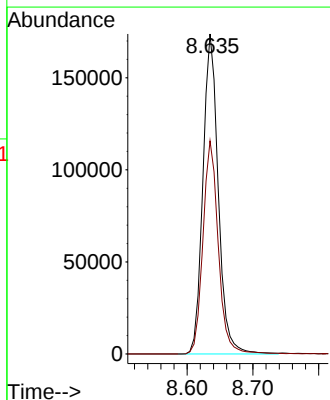
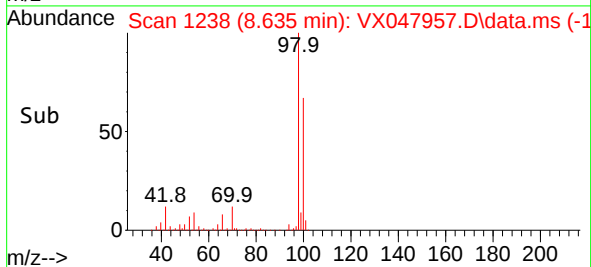
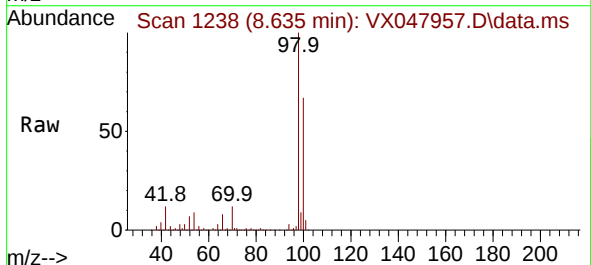


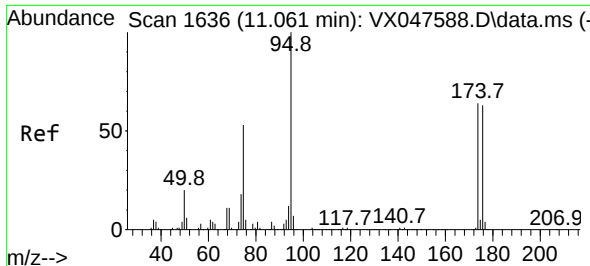
Tgt Ion:117 Resp: 13812
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 47.424 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 98 Resp: 282326
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4

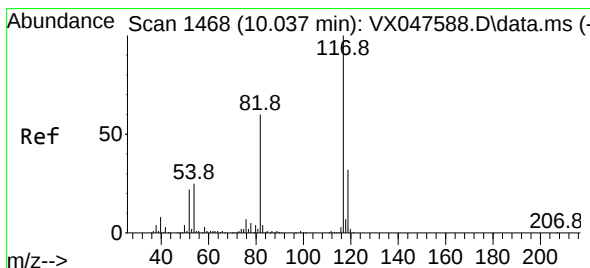
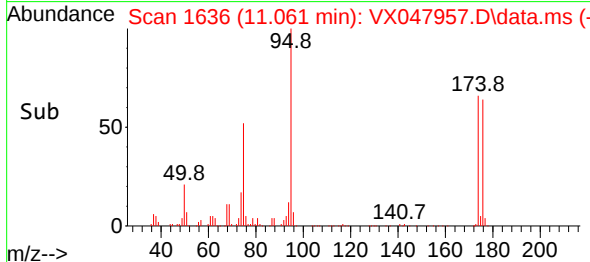
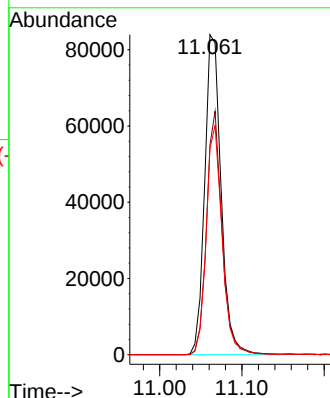
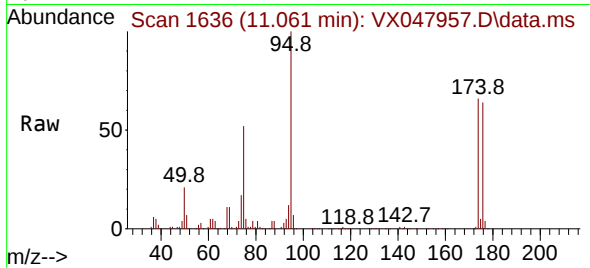




#62
4-Bromofluorobenzene
Concen: 51.570 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

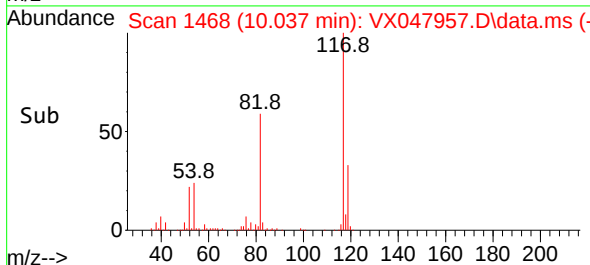
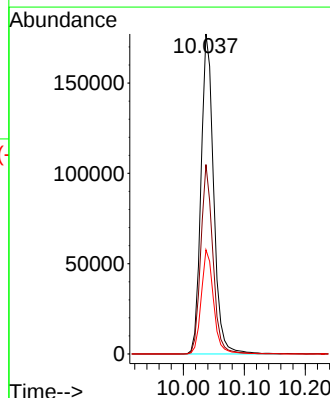
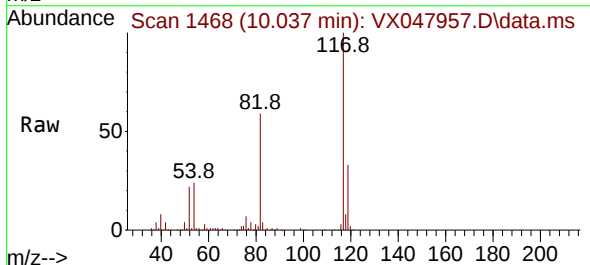
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

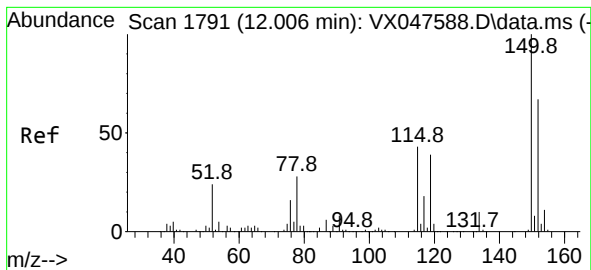
Tgt Ion: 95 Resp: 116514
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 117 Resp: 255834
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.6
119 32.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047957.D

Acq: 02 Oct 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-460-462

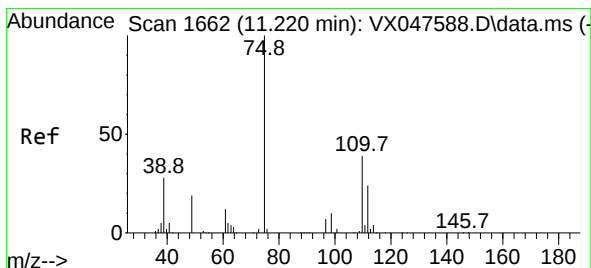
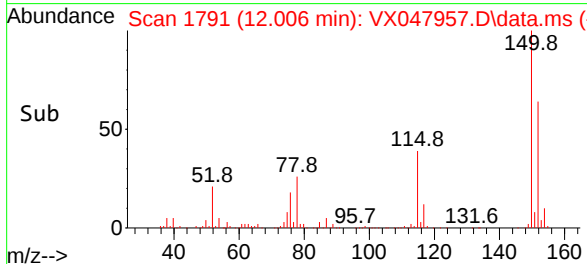
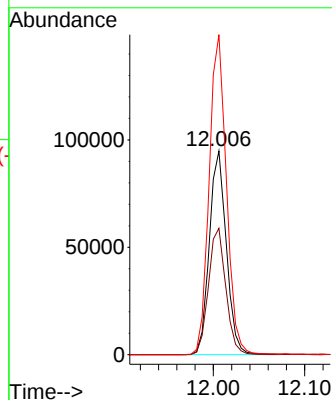
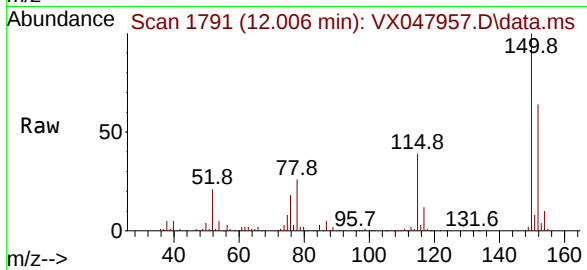
Tgt Ion:152 Resp: 122681

Ion Ratio Lower Upper

152 100

115 63.1 44.9 134.5

150 159.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.420 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047957.D

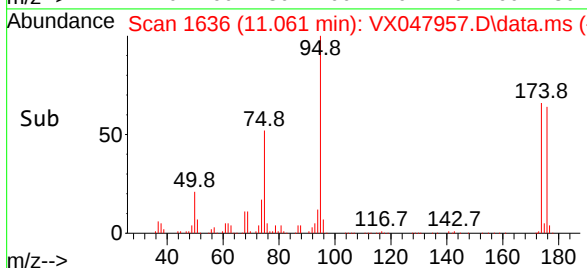
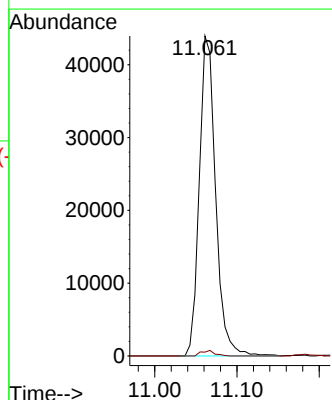
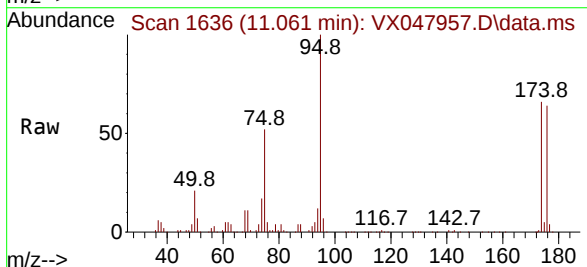
Acq: 02 Oct 2025 11:24

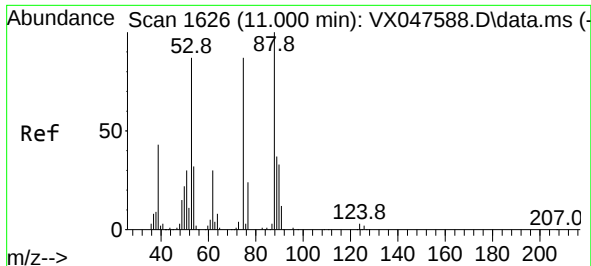
Tgt Ion: 75 Resp: 60656

Ion Ratio Lower Upper

75 100

77 1.4 18.8 56.4#

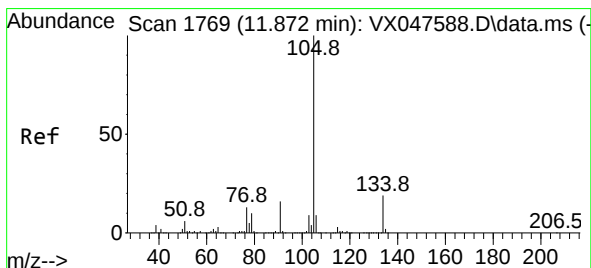
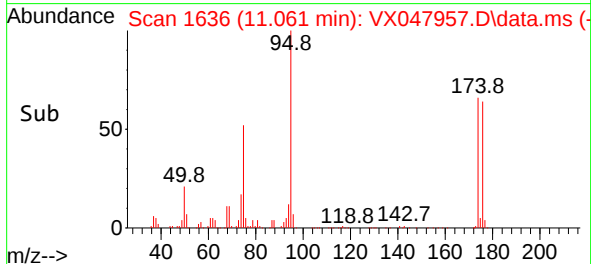
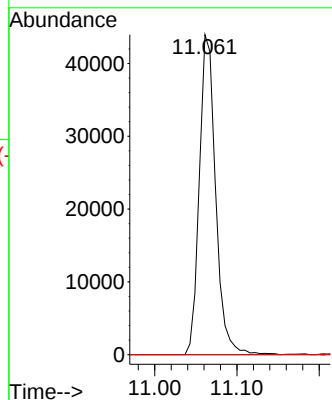
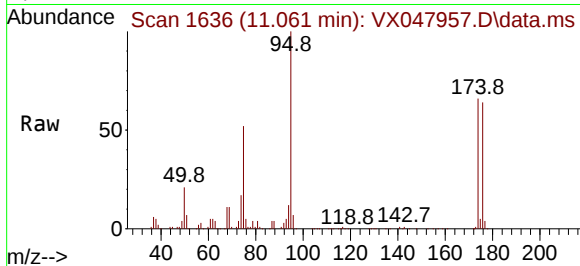




#81
trans-1,4-Dichloro-2-butene
Concen: 62.273 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

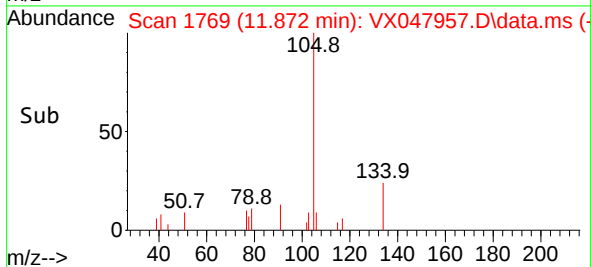
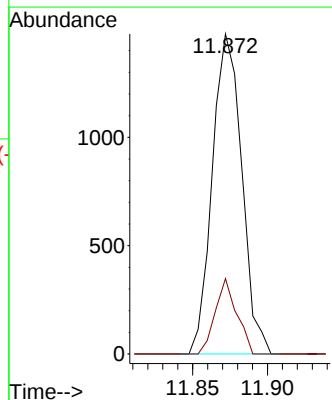
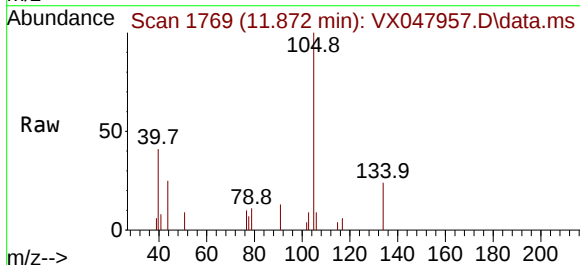
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

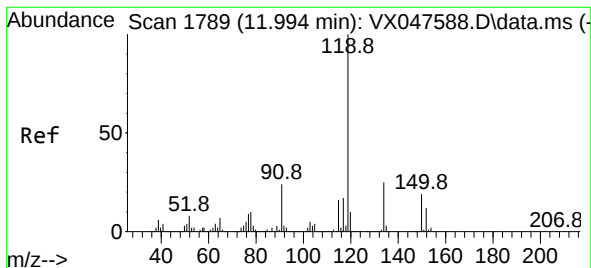
Tgt Ion: 75 Resp: 60656
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#85
sec-Butylbenzene
Concen: 0.217 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion: 105 Resp: 2021
Ion Ratio Lower Upper
105 100
134 17.2 9.8 29.5





#86

p-Isopropyltoluene

Concen: 0.255 ug/l

RT: 11.988 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047957.D

Acq: 02 Oct 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-460-462

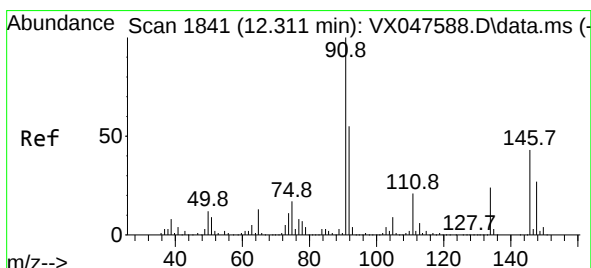
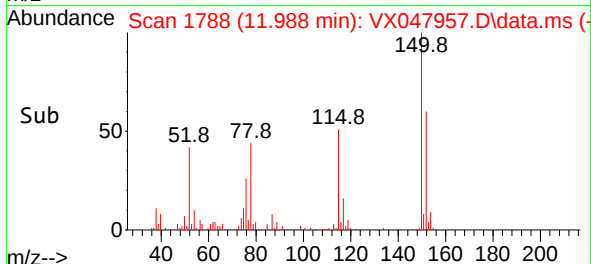
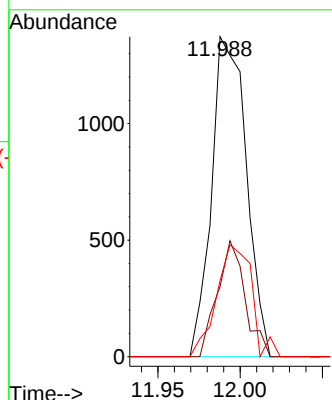
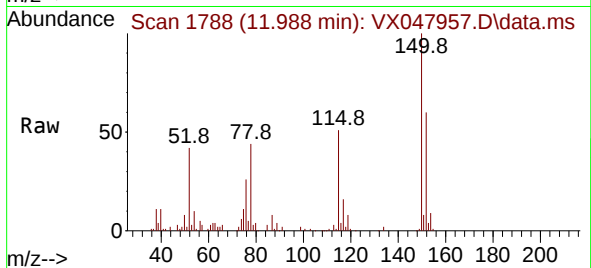
Tgt Ion:119 Resp: 2013

Ion Ratio Lower Upper

119 100

134 28.9 12.6 37.8

91 35.3 12.6 37.6



#89

n-Butylbenzene

Concen: 0.412 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047957.D

Acq: 02 Oct 2025 11:24

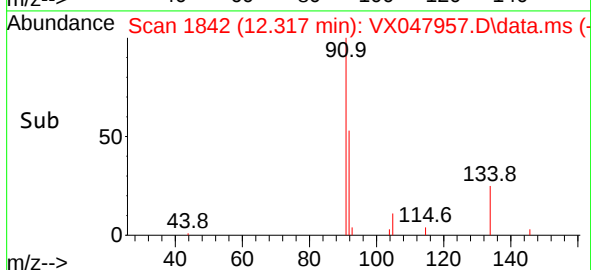
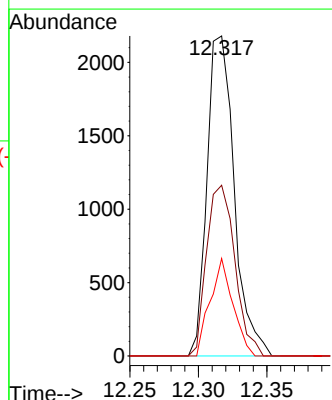
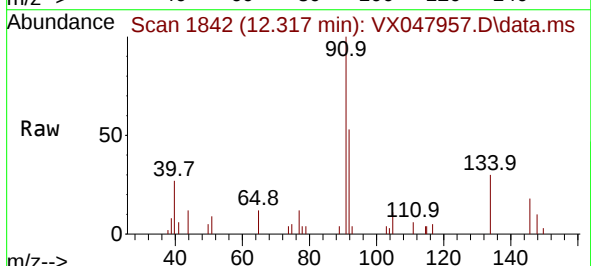
Tgt Ion: 91 Resp: 3010

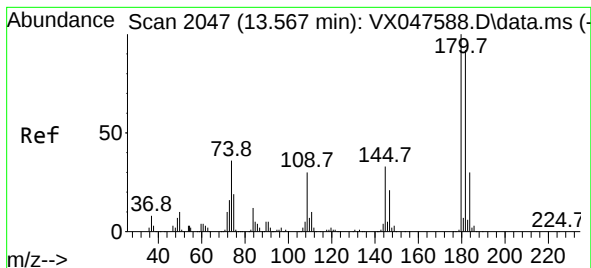
Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.7

134 25.5 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.519 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX047957.D

Acq: 02 Oct 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-460-462

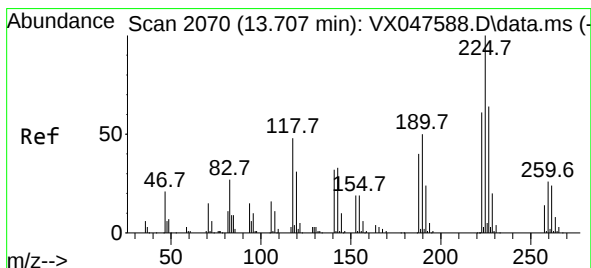
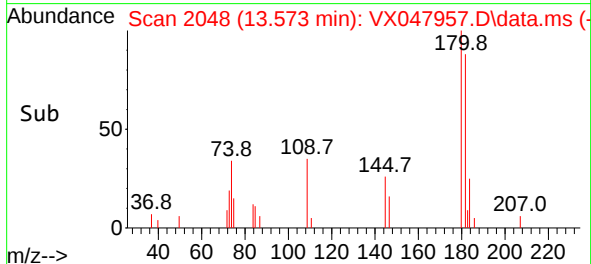
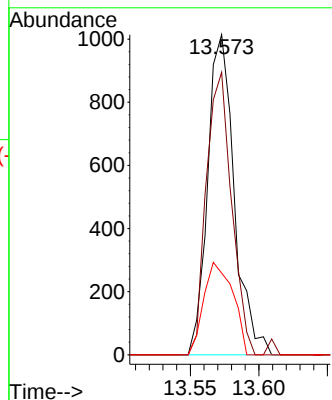
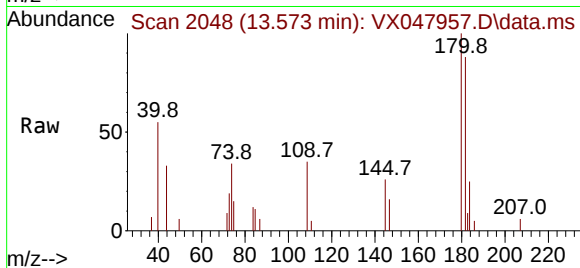
Tgt Ion:180 Resp: 1370

Ion Ratio Lower Upper

180 100

182 83.9 46.6 139.8

145 31.6 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.787 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX047957.D

Acq: 02 Oct 2025 11:24

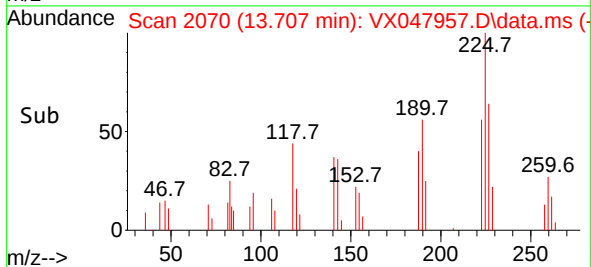
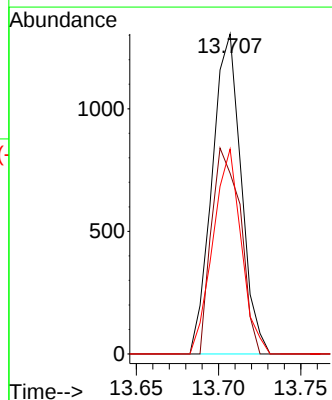
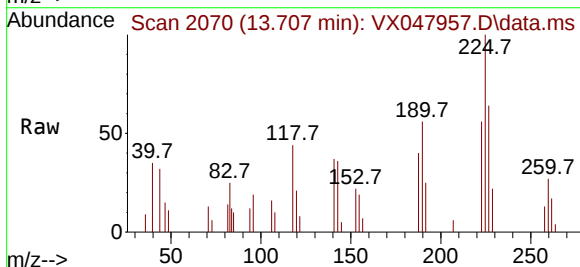
Tgt Ion:225 Resp: 1604

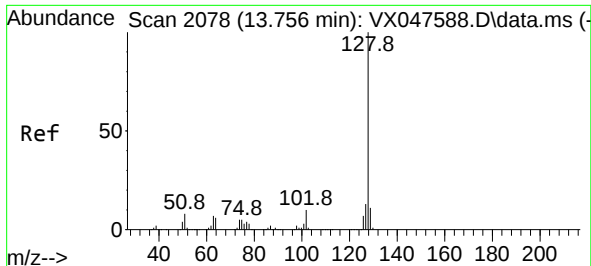
Ion Ratio Lower Upper

225 100

223 64.1 31.7 95.1

227 62.5 32.0 96.0

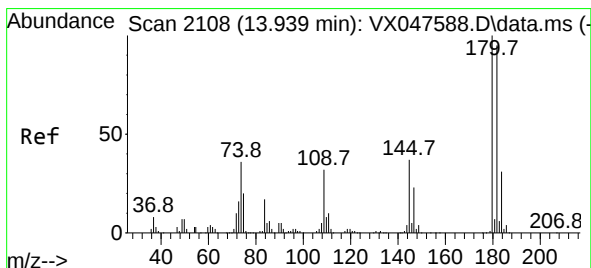
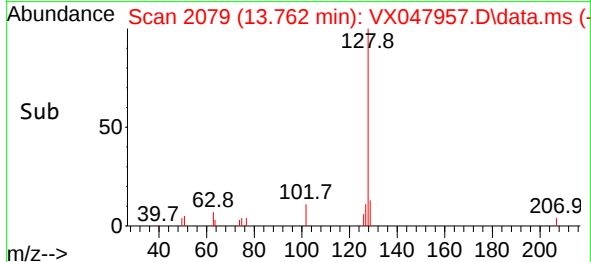
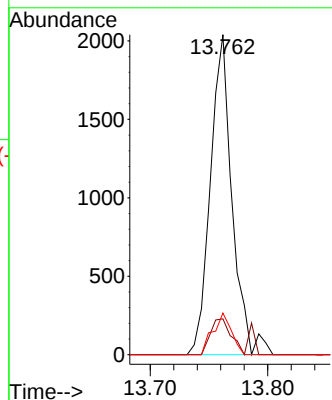
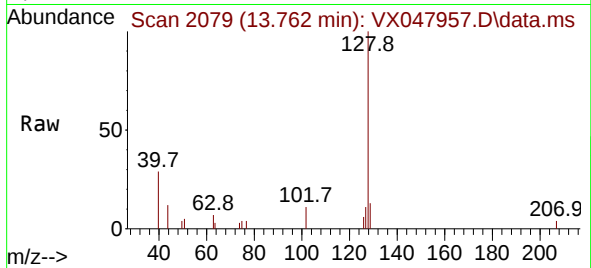




#95
Naphthalene
Concen: 0.326 ug/l
RT: 13.762 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-460-462

Tgt Ion:	128	Resp:	2623
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	11.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.484 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047957.D
Acq: 02 Oct 2025 11:24

Tgt Ion:	180	Resp:	1189
Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.6	142.8
145	30.5	17.9	53.7

