

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073125\
 Data File : VX047197.D
 Acq On : 31 Jul 2025 12:39
 Operator : JC/MD
 Sample : PB169061TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB169061TB

Quant Time: Aug 01 01:50:02 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)

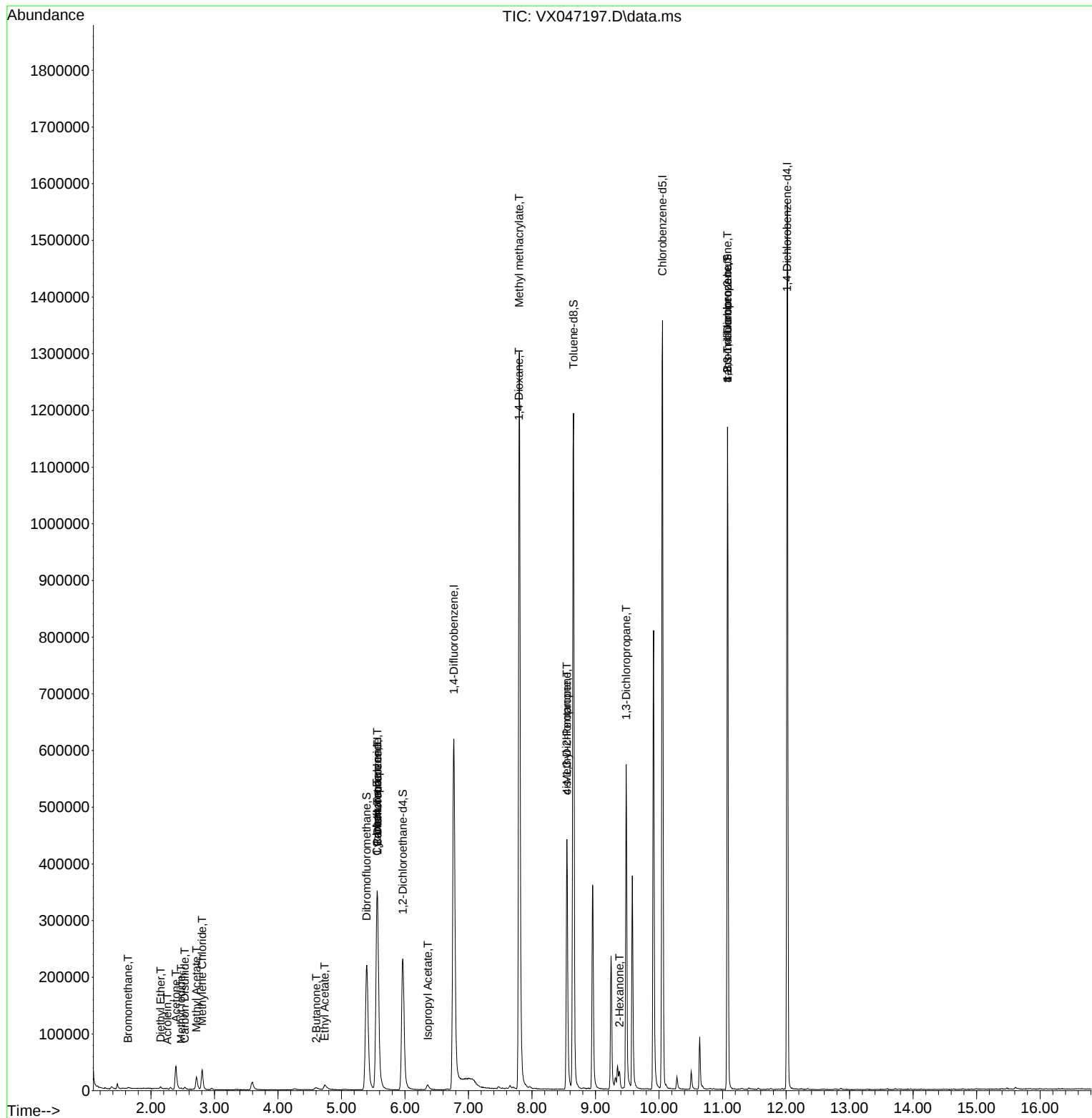
Internal Standards						
1) Pentafluorobenzene	5.562	168	351350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	653721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	605698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	306388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	248783	56.842	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 113.680%		
35) Dibromofluoromethane	5.397	113	208691	51.704	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.400%		
50) Toluene-d8	8.653	98	720453	55.117	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 110.240%		
62) 4-Bromofluorobenzene	11.079	95	308912	54.839	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.680%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	561	0.208	ug/l	96
8) Diethyl Ether	2.154	74	882	0.338	ug/l #	1
10) Methyl Iodide	2.477	142	2313	0.509	ug/l #	80
11) Tert butyl alcohol	2.953	59	632	Below Cal	#	81
13) Acrolein	2.258	56	217	0.230	ug/l #	76
16) Acetone	2.392	43	55818	31.836	ug/l	98
17) Carbon Disulfide	2.532	76	3710	0.290	ug/l #	86
18) Methyl Acetate	2.715	43	31614	6.785	ug/l	100
20) Methylene Chloride	2.806	84	16708	3.464	ug/l	92
25) 2-Butanone	4.605	43	7952	3.115	ug/l #	64
31) Cyclohexane	5.556	56	7694	0.940	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	29041	4.221	ug/l #	50
37) Ethyl Acetate	4.733	43	20647	3.257	ug/l #	96
38) Carbon Tetrachloride	5.562	117	37576	5.117	ug/l #	15
43) Isopropyl Acetate	6.361	43	14641	1.481	ug/l #	93
48) Methyl methacrylate	7.799	41	121139	22.499	ug/l #	46
49) 1,4-Dioxane	7.793	88	262	4.278	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	161343	27.464	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	73947	9.612	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	4840	0.607	ug/l #	43
59) 2-Hexanone	9.378	43	20483	5.277	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	161237	28.431	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	161237	73.251	ug/l #	8

(#) = 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

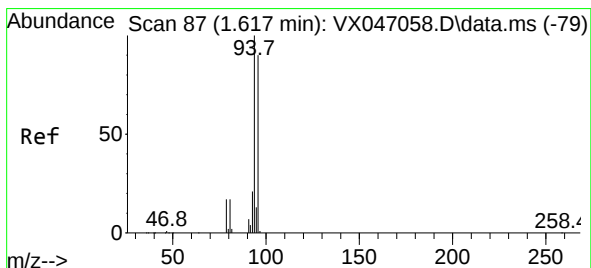
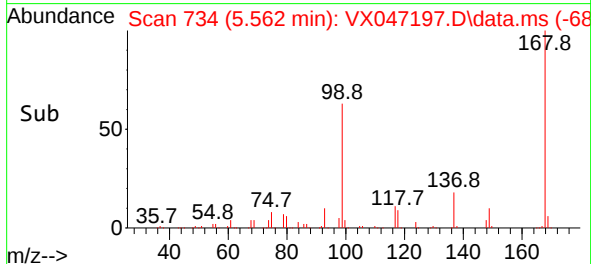
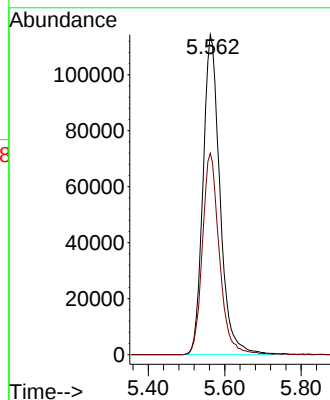
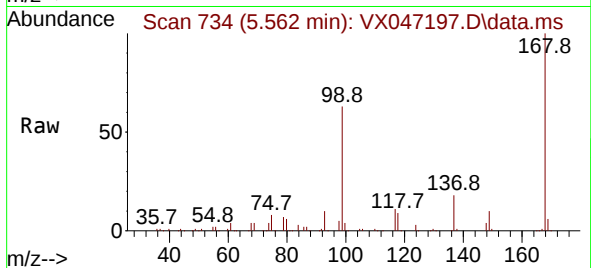




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

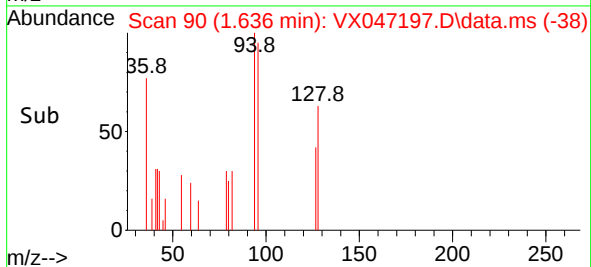
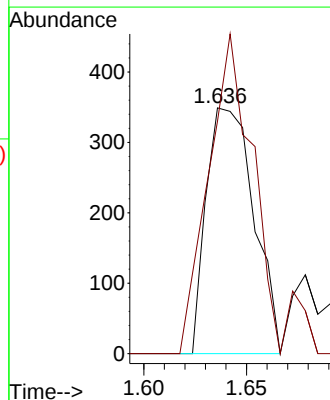
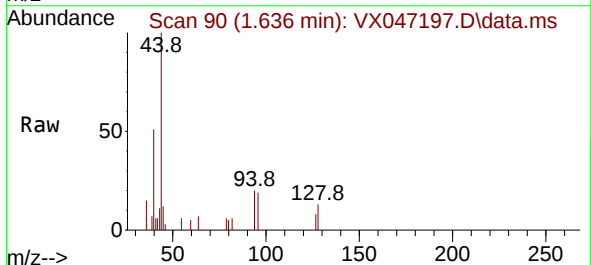
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

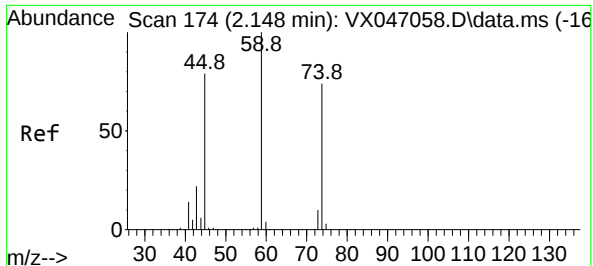
Tgt Ion:168 Resp: 351350
Ion Ratio Lower Upper
168 100
99 63.0 48.0 72.0



#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 94.6 72.3 108.5

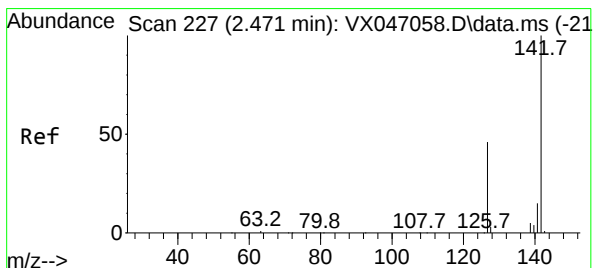
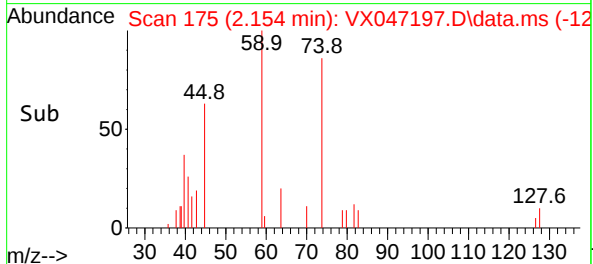
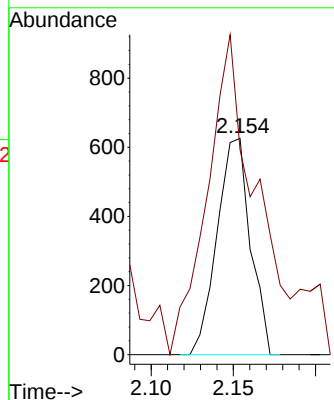
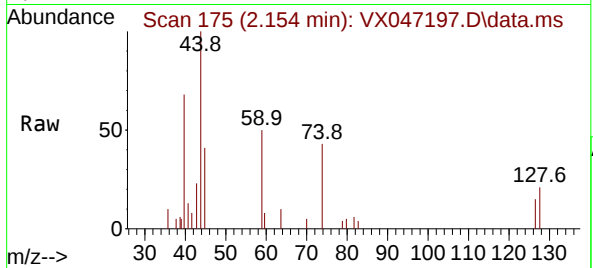




#8
Diethyl Ether
Concen: 0.338 ug/l
RT: 2.154 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

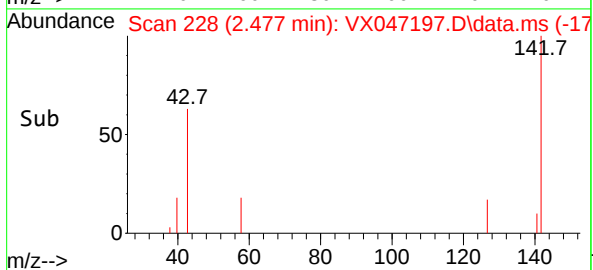
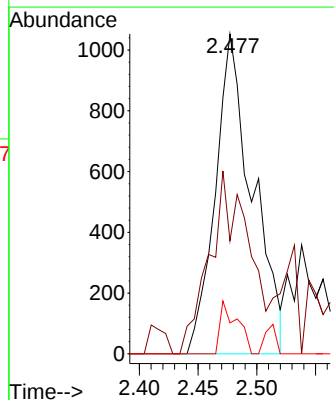
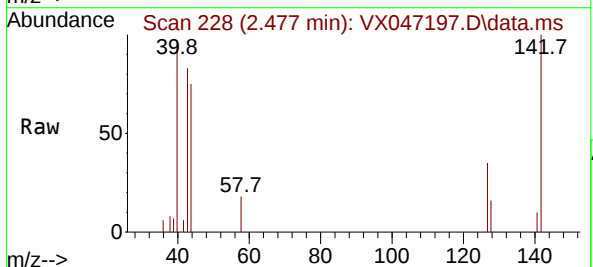
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

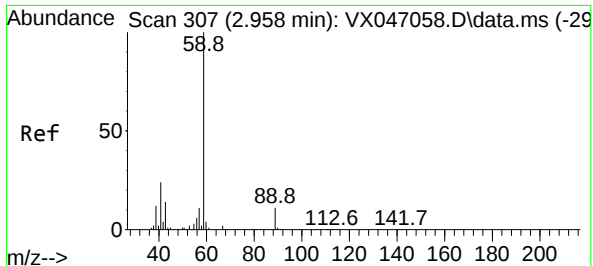
Tgt Ion: 74 Resp: 882
Ion Ratio Lower Upper
74 100
45 212.2 53.0 159.0#



#10
Methyl Iodide
Concen: 0.509 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion:142 Resp: 2313
Ion Ratio Lower Upper
142 100
127 59.8 36.6 54.8#
141 7.6 10.9 16.3#

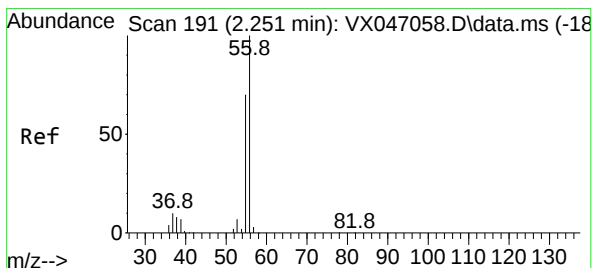
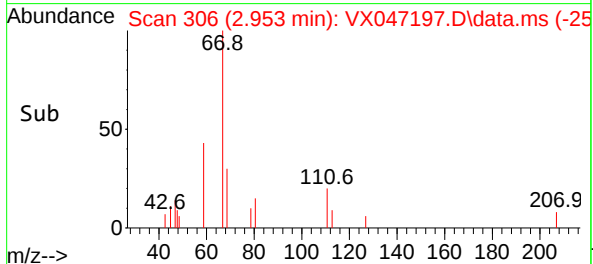
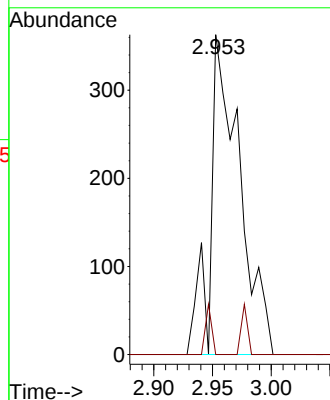
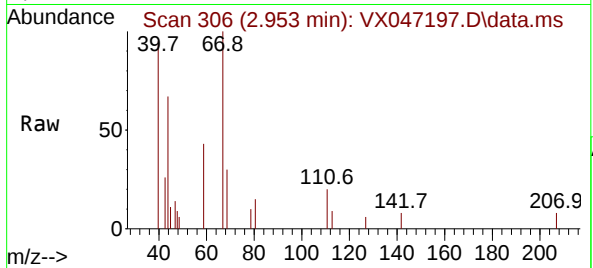




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 30
Delta R.T. -0.005 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

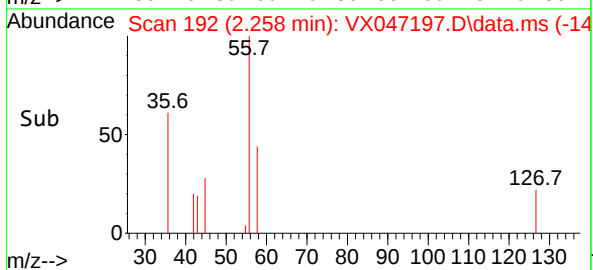
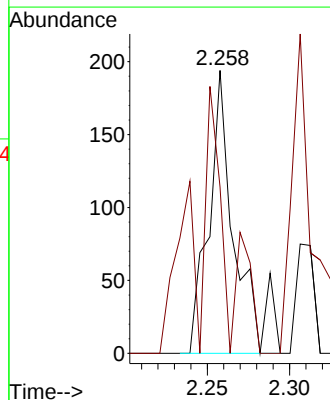
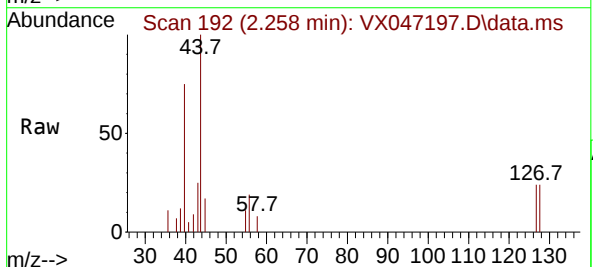
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

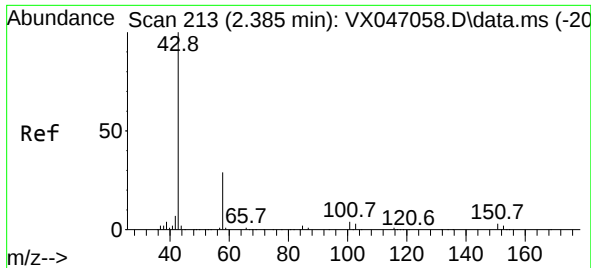
Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 3.3 8.5 12.7#



#13
Acrolein
Concen: 0.230 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 50.2 55.7 83.5#

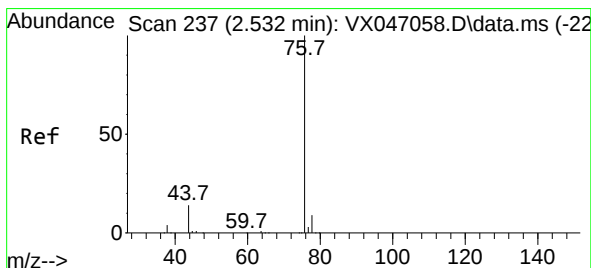
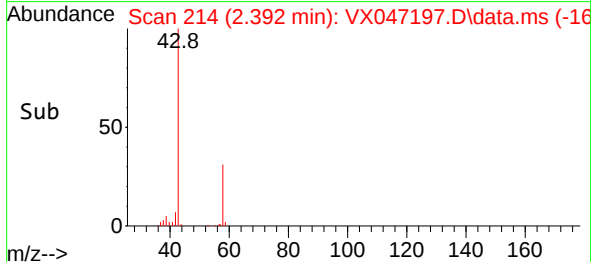
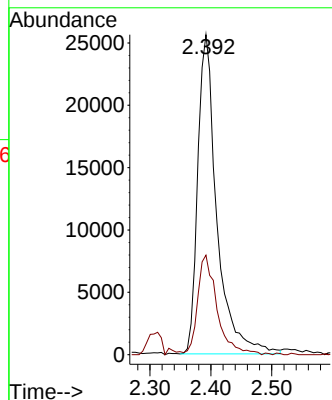
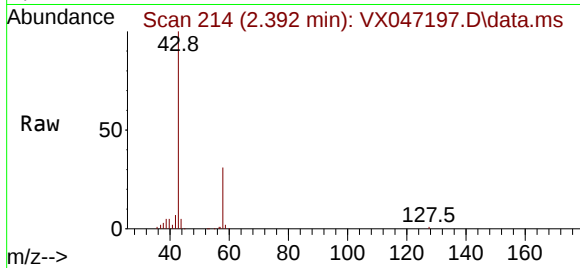




#16
Acetone
Concen: 31.836 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

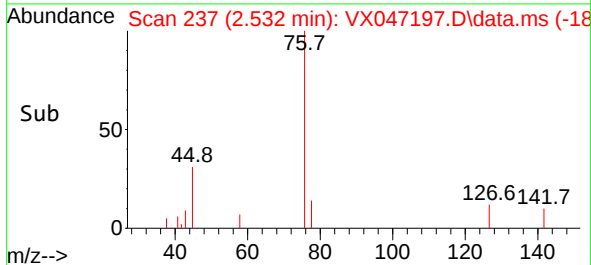
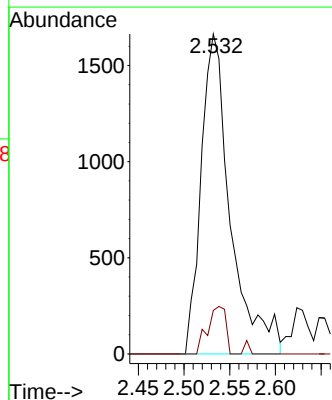
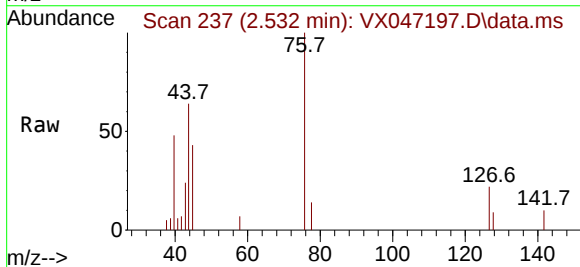
Instrument :
MSVOA_X
ClientSampleId :
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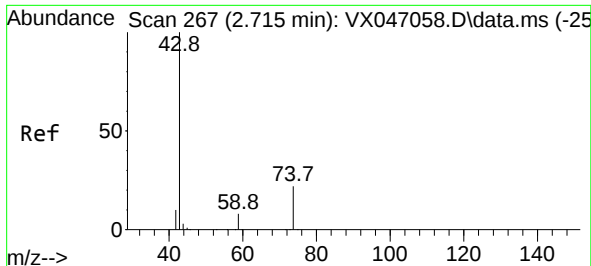
Tgt Ion: 43 Resp: 55818
Ion Ratio Lower Upper
43 100
58 31.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 76 Resp: 3710
Ion Ratio Lower Upper
76 100
78 13.6 7.0 10.4#

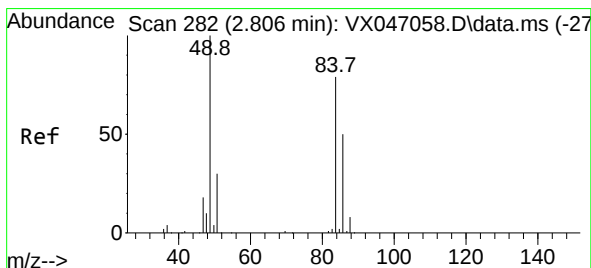
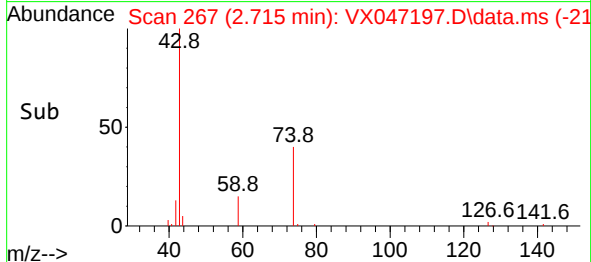
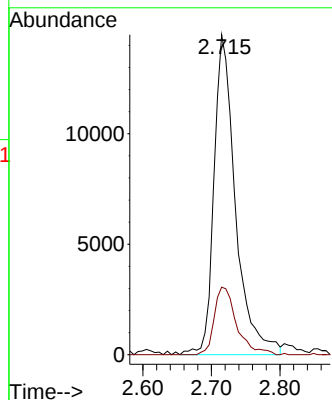
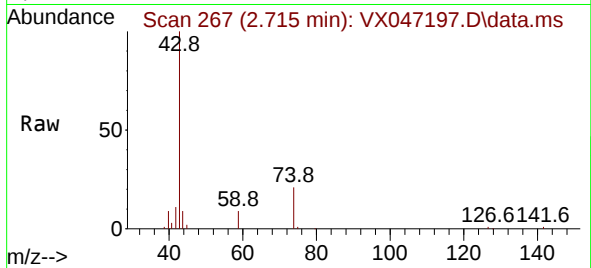




#18
Methyl Acetate
Concen: 6.785 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

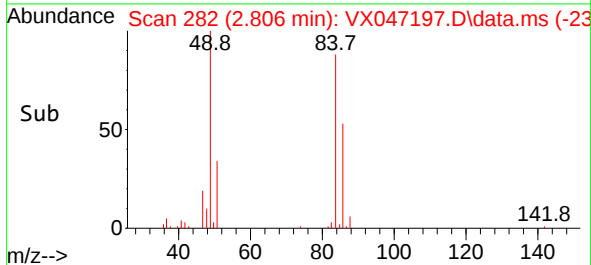
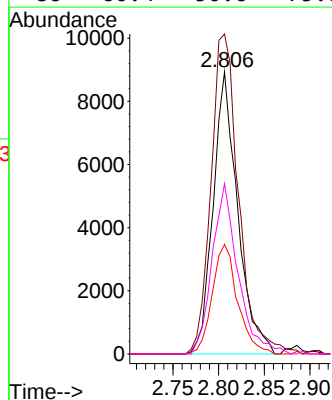
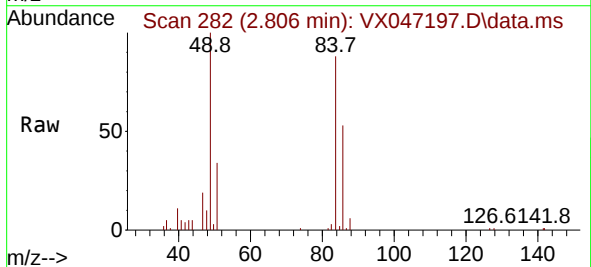
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ClientSampleId :
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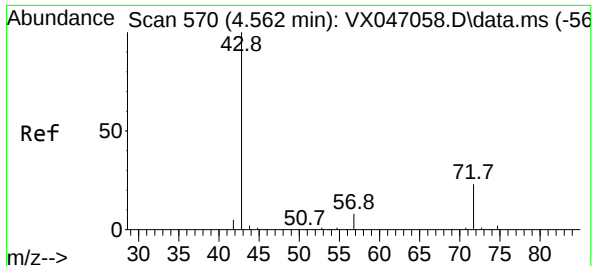
Tgt Ion: 43 Resp: 31614
Ion Ratio Lower Upper
43 100
74 21.9 17.7 26.5



#20
Methylene Chloride
Concen: 3.464 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 84 Resp: 16708
Ion Ratio Lower Upper
84 100
49 113.5 101.6 152.4
51 38.8 30.3 45.5
86 60.4 50.6 75.8

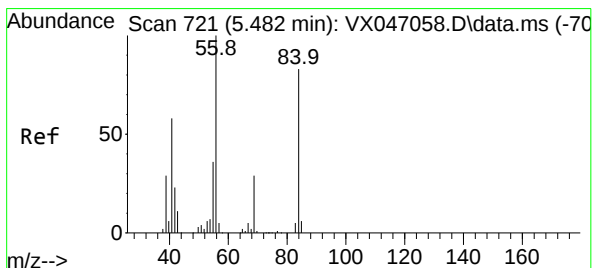
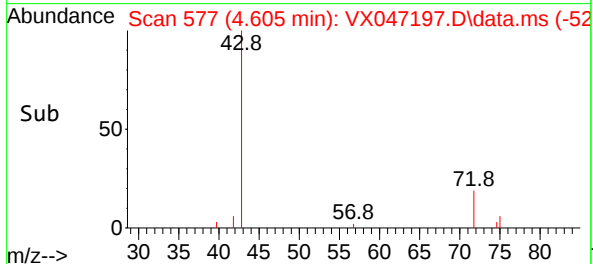
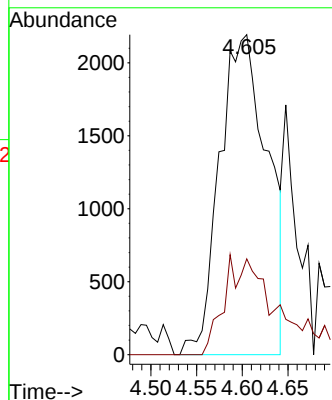
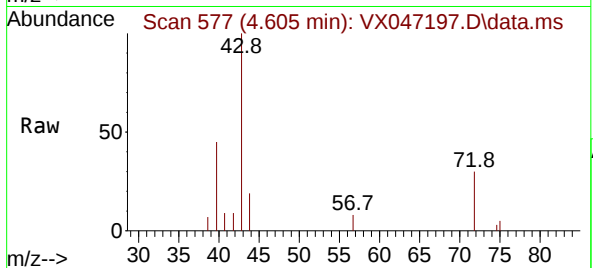




#25
2-Butanone
Concen: 3.115 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

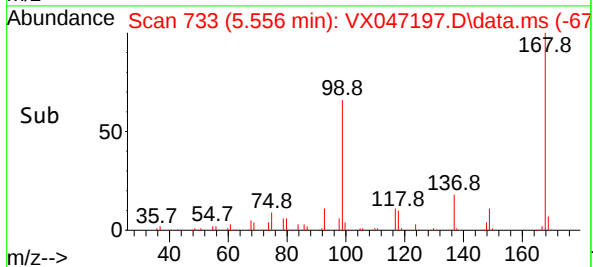
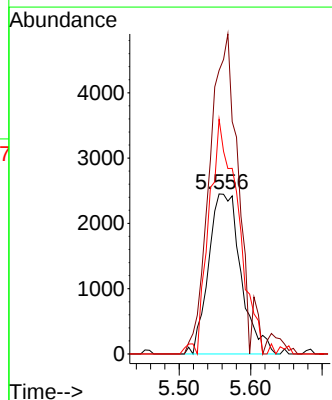
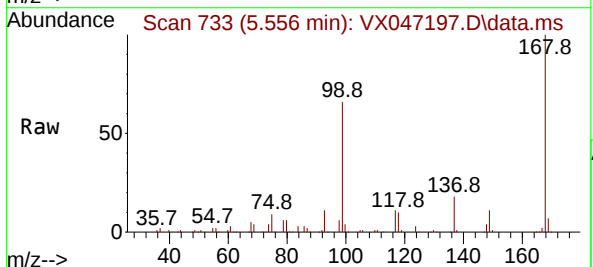
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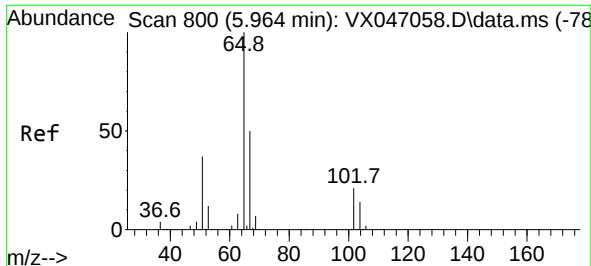
Tgt Ion: 43 Resp: 7952
Ion Ratio Lower Upper
43 100
72 41.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.940 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.074 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 56 Resp: 7694
Ion Ratio Lower Upper
56 100
69 177.2 23.3 34.9#
84 146.6 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 56.842 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047197.D

Acq: 31 Jul 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

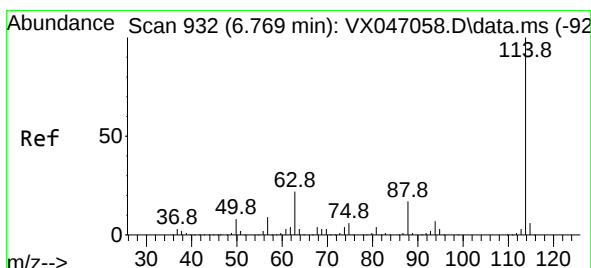
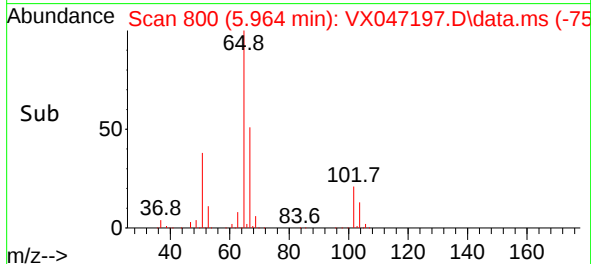
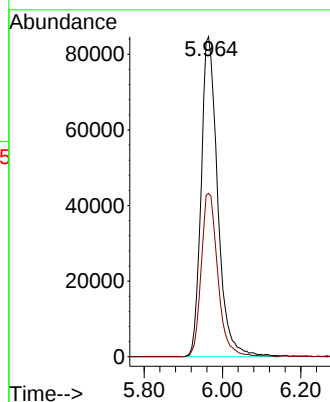
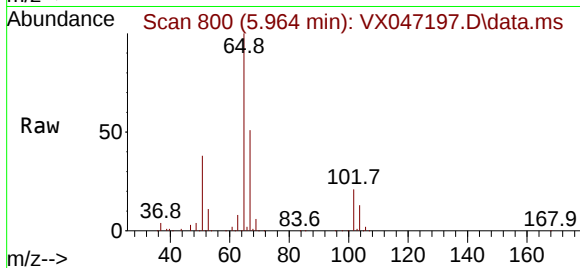
PB169061TB

Tgt Ion: 65 Resp: 248783

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047197.D

Acq: 31 Jul 2025 12:39

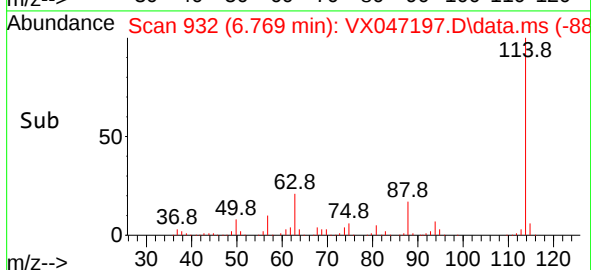
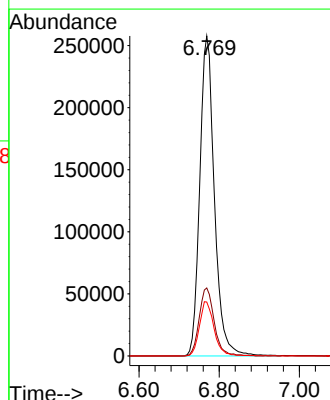
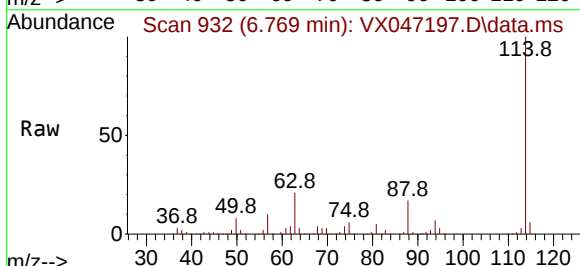
Tgt Ion: 114 Resp: 653721

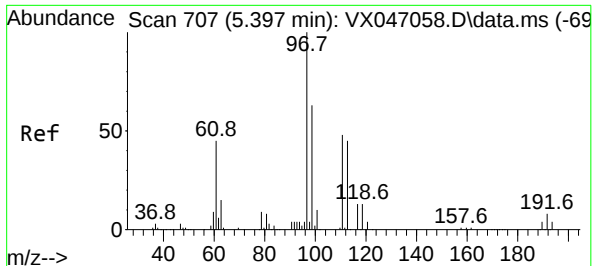
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.704 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047197.D

Acq: 31 Jul 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB169061TB

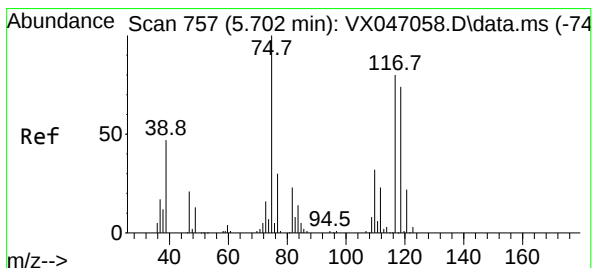
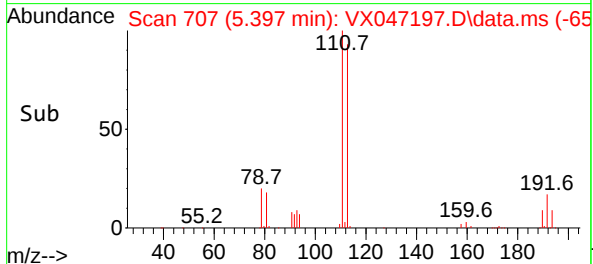
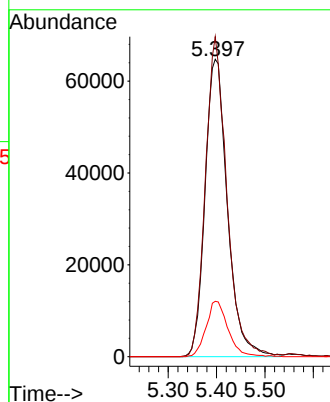
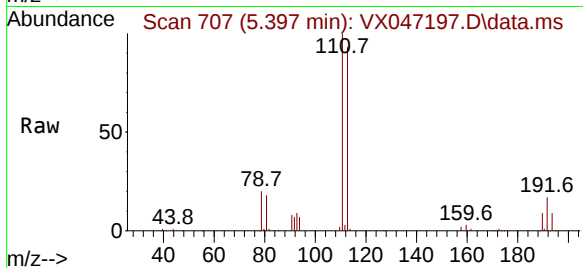
Tgt Ion:113 Resp: 208691

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 18.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047197.D

Acq: 31 Jul 2025 12:39

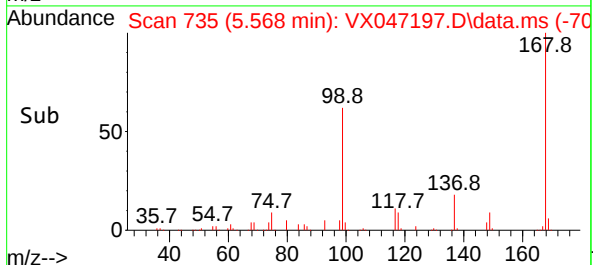
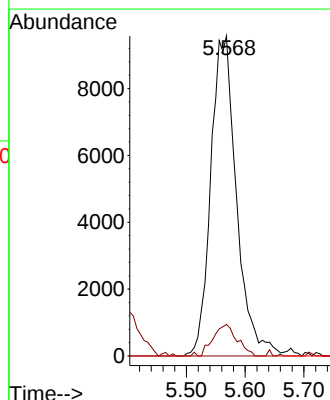
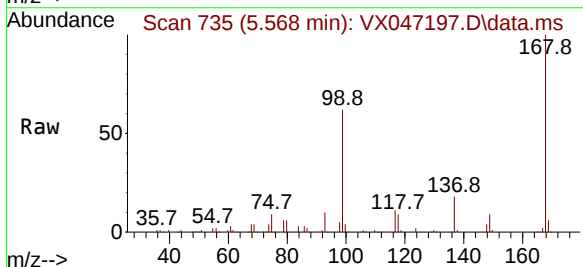
Tgt Ion: 75 Resp: 29041

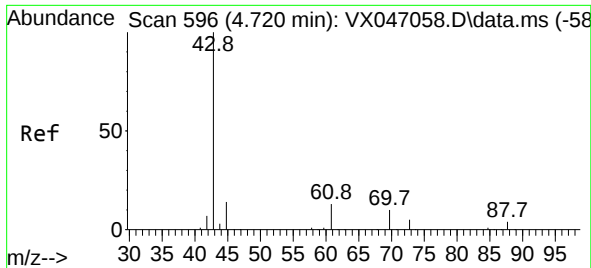
Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.5#

77 0.0 25.1 37.7#

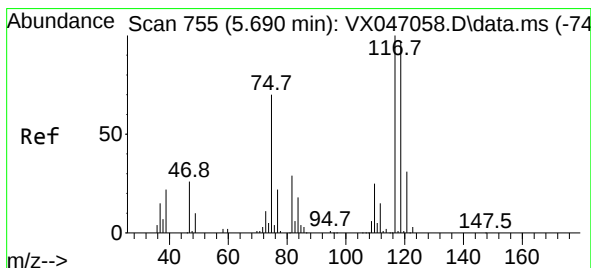
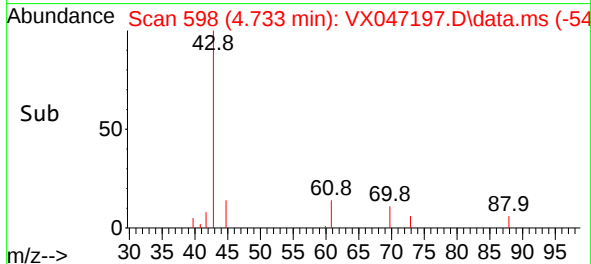
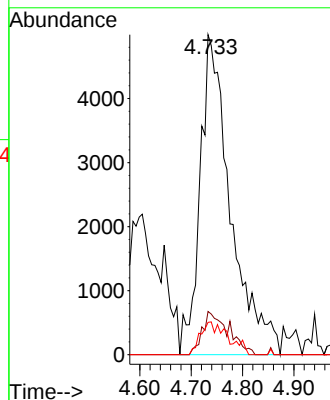
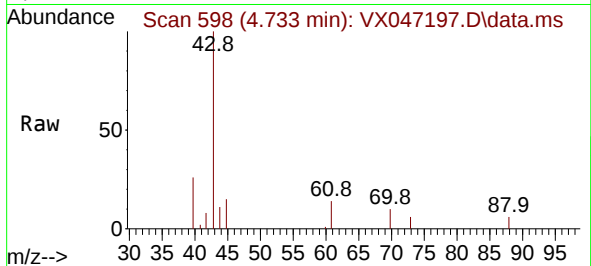




#37
Ethyl Acetate
Concen: 3.257 ug/l
RT: 4.733 min Scan# 596
Delta R.T. 0.013 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

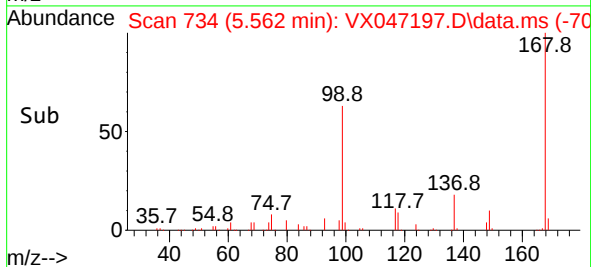
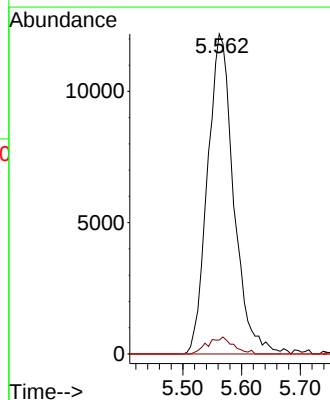
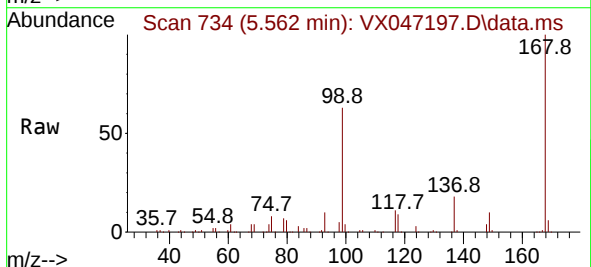
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

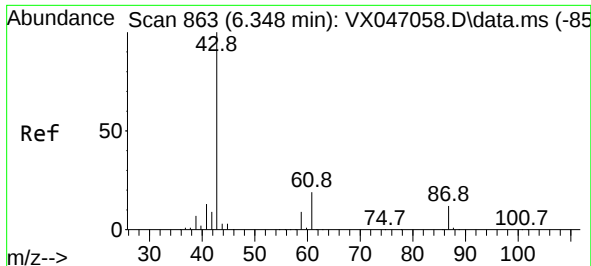
Tgt Ion: 43 Resp: 20647
Ion Ratio Lower Upper
43 100
61 11.6 10.2 15.2
70 8.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.117 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 117 Resp: 37576
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.4 36.6#

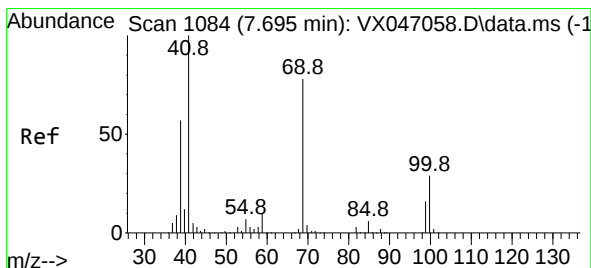
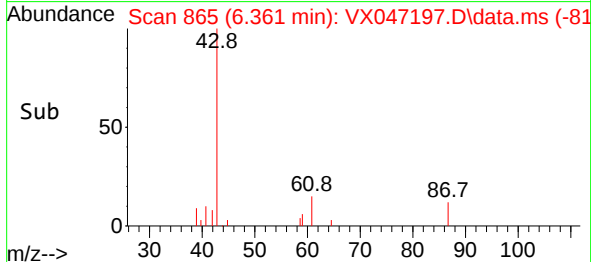
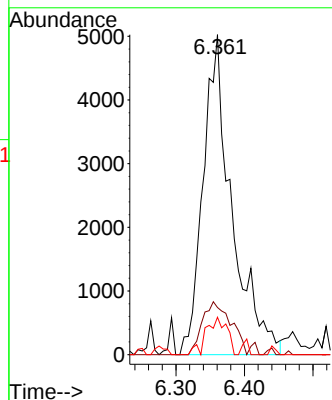
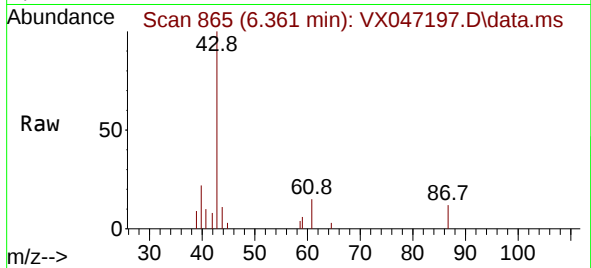




#43
Isopropyl Acetate
Concen: 1.481 ug/l
RT: 6.361 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

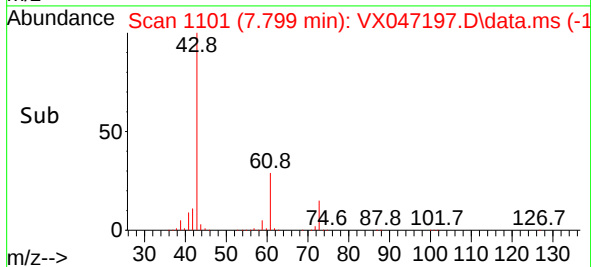
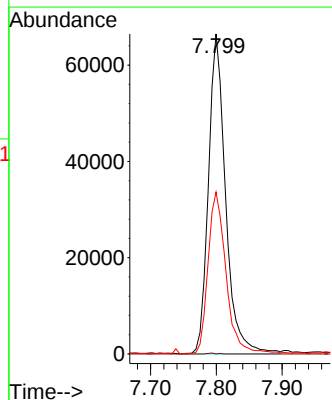
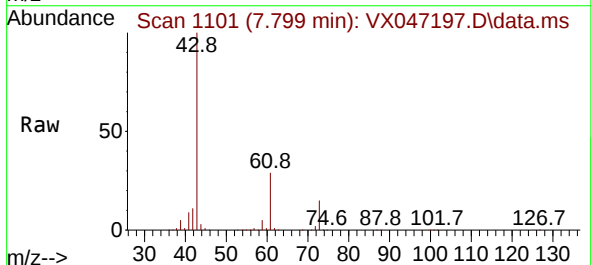
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

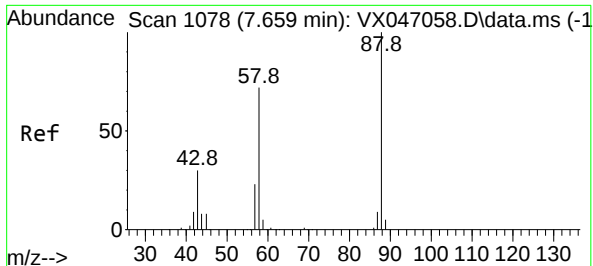
Tgt Ion: 43 Resp: 14641
Ion Ratio Lower Upper
43 100
61 16.5 15.1 22.7
87 8.5 9.7 14.5#



#48
Methyl methacrylate
Concen: 22.499 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 41 Resp: 121139
Ion Ratio Lower Upper
41 100
69 0.1 62.3 93.5#
39 53.1 44.8 67.2

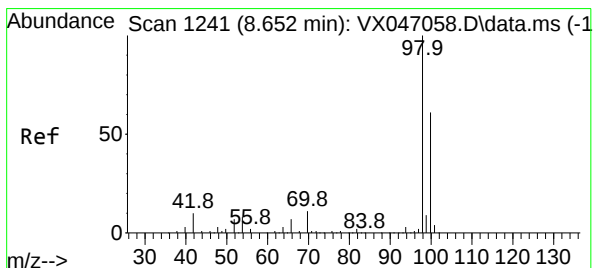
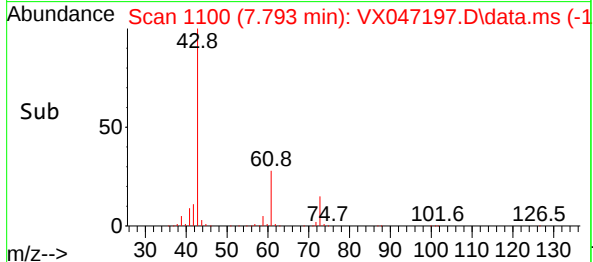
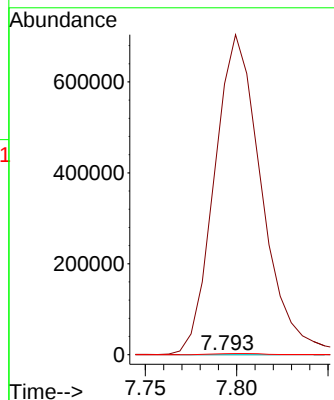
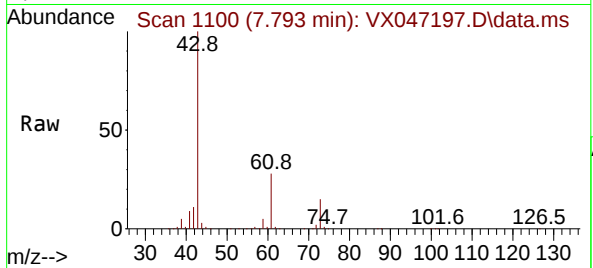




#49
1,4-Dioxane
Concen: 4.278 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.135 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

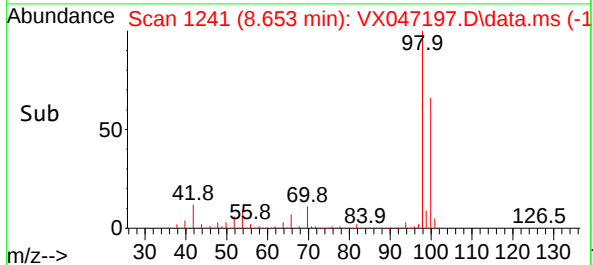
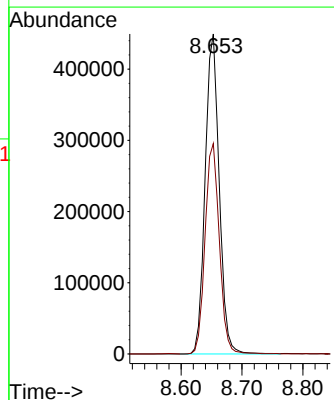
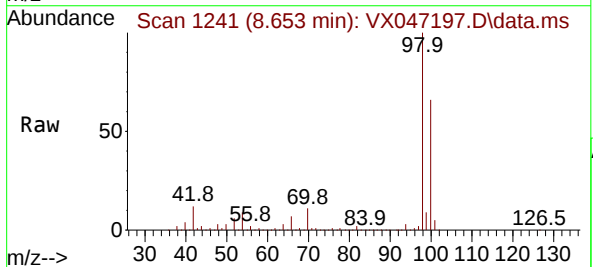
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

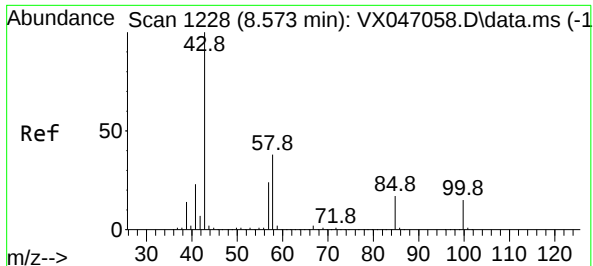
Tgt Ion: 88 Resp: 262
Ion Ratio Lower Upper
88 100
43 493816.0 33.6 50.4#
58 1999.2 58.8 88.2#



#50
Toluene-d8
Concen: 55.117 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 98 Resp: 720453
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9

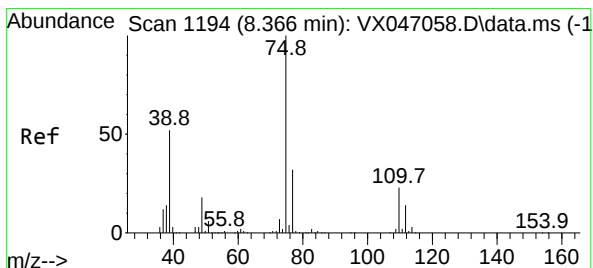
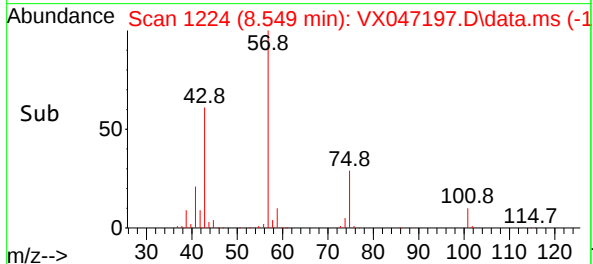
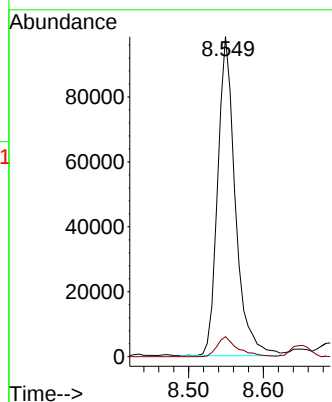
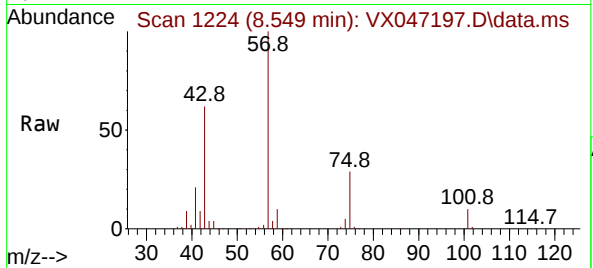




#51
4-Methyl-2-Pentanone
Concen: 27.464 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

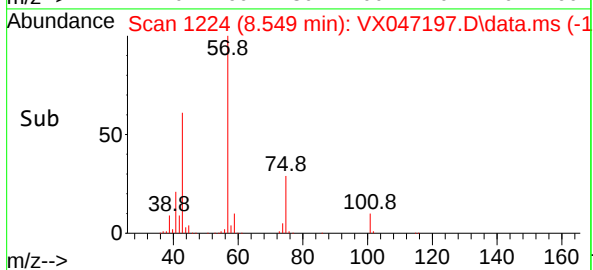
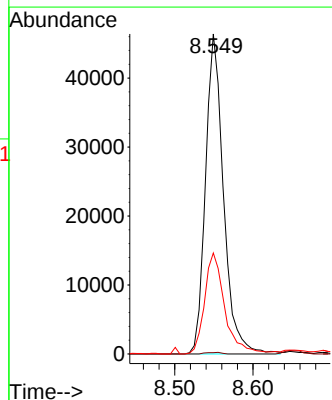
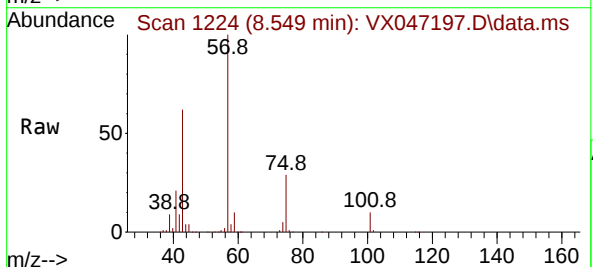
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

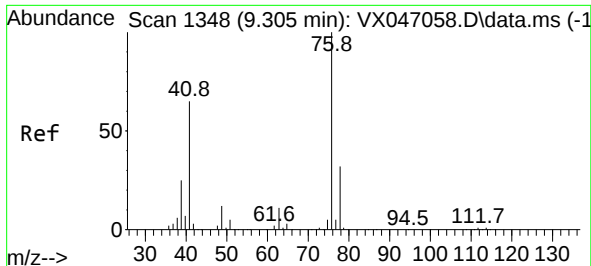
Tgt Ion: 43 Resp: 161343
Ion Ratio Lower Upper
43 100
58 7.3 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 9.612 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 75 Resp: 73947
Ion Ratio Lower Upper
75 100
77 0.4 25.4 38.0#
39 30.9 41.8 62.6#





#57

1,3-Dichloropropane

Concen: 0.607 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX047197.D

Acq: 31 Jul 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

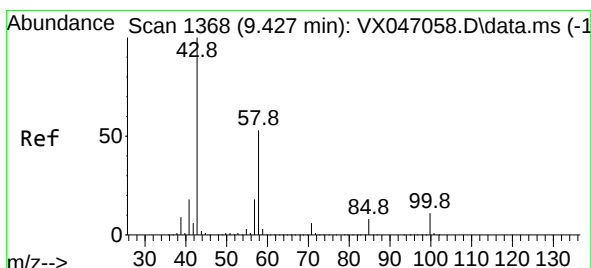
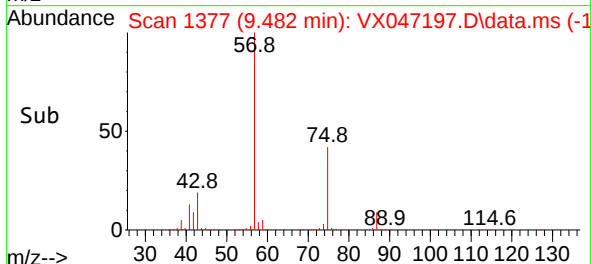
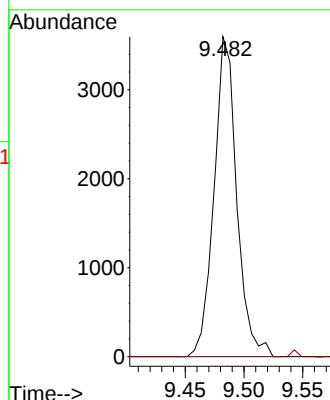
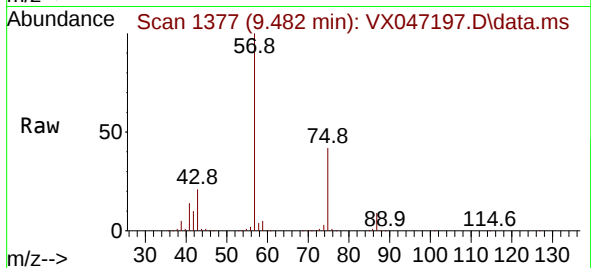
PB169061TB

Tgt Ion: 76 Resp: 4840

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 5.277 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.048 min

Lab File: VX047197.D

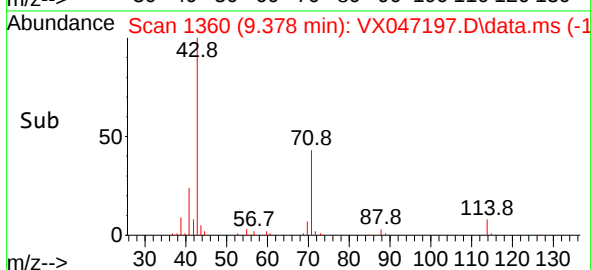
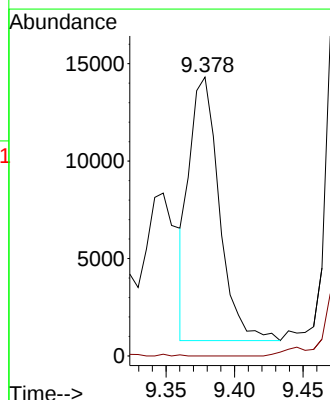
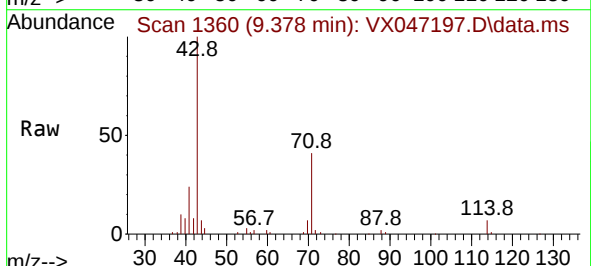
Acq: 31 Jul 2025 12:39

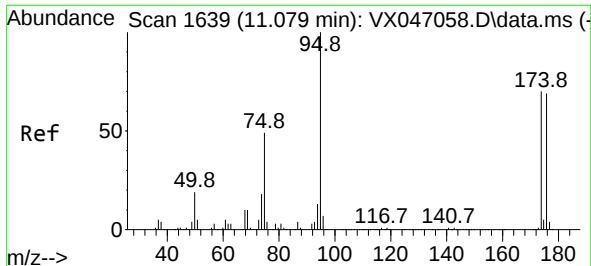
Tgt Ion: 43 Resp: 20483

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

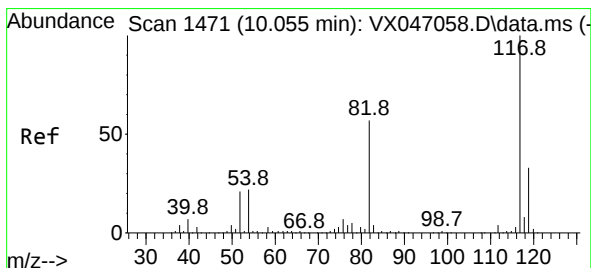
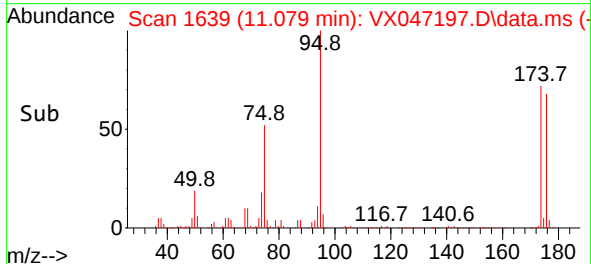
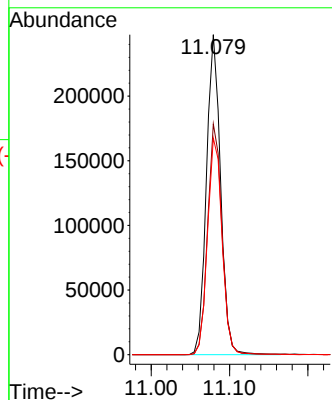
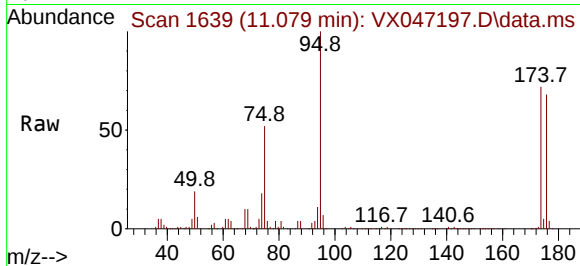




#62
4-Bromofluorobenzene
Concen: 54.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

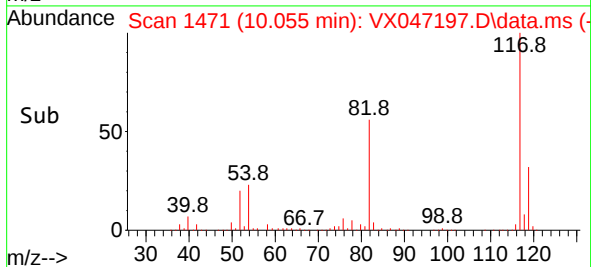
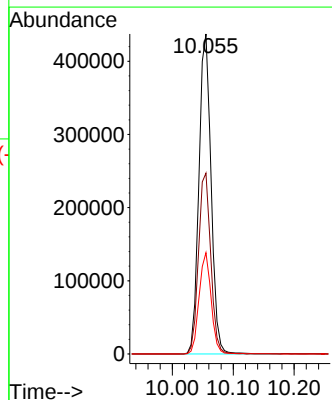
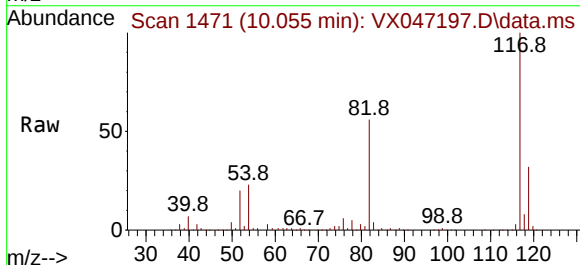
Instrument :
MSVOA_X
ClientSampleId :
PB169061TB

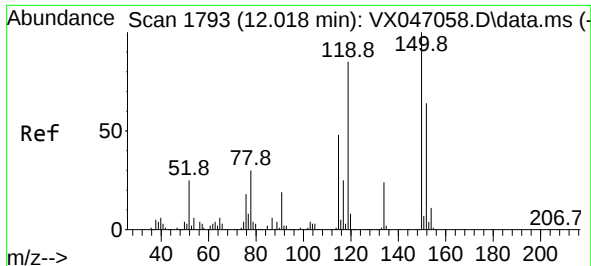
Tgt Ion: 95 Resp: 308912
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.6
176 70.0 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047197.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 117 Resp: 605698
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 31.7 26.1 39.1

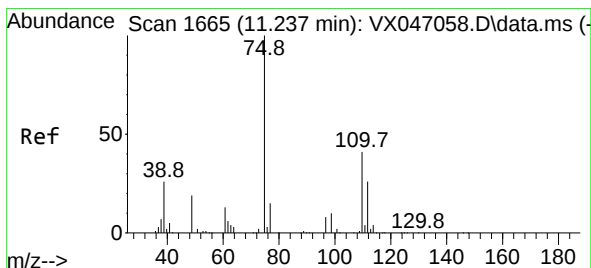
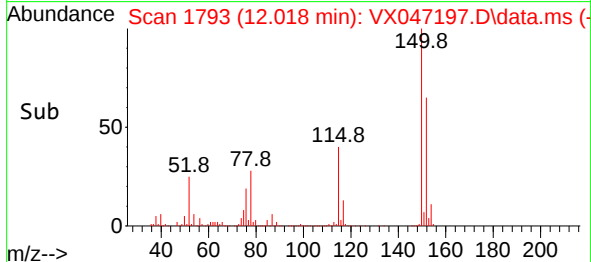
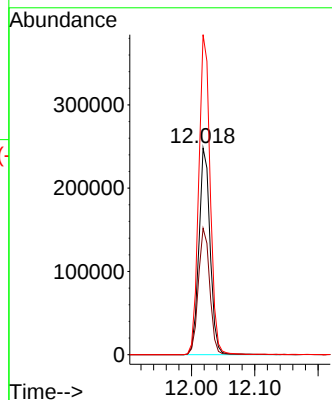
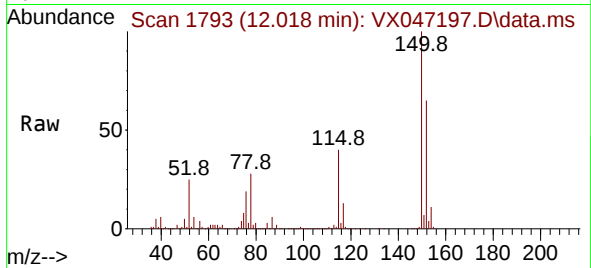




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047197.D
 Acq: 31 Jul 2025 12:39

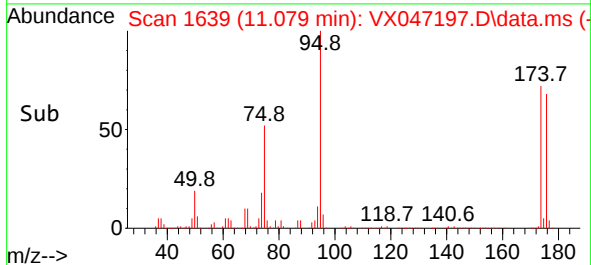
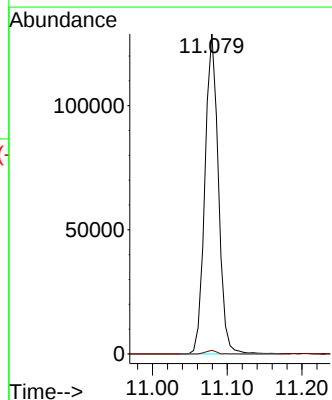
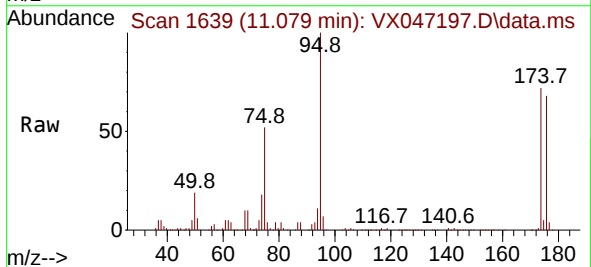
Instrument :
 MSVOA_X
 ClientSampleId :
 PB169061TB

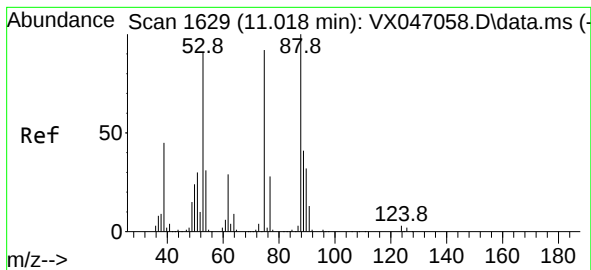
Tgt Ion:152 Resp: 306388
 Ion Ratio Lower Upper
 152 100
 115 62.3 45.6 136.7
 150 157.4 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 28.431 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047197.D
 Acq: 31 Jul 2025 12:39

Tgt Ion: 75 Resp: 161237
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.251 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047197.D
 Acq: 31 Jul 2025 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB169061TB

Tgt Ion: 75 Resp: 161237
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

