

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045767.D
 Acq On : 14 Apr 2025 14:48
 Operator : JC/MD
 Sample : PB167573TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167573TB

Quant Time: Apr 15 01:28:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

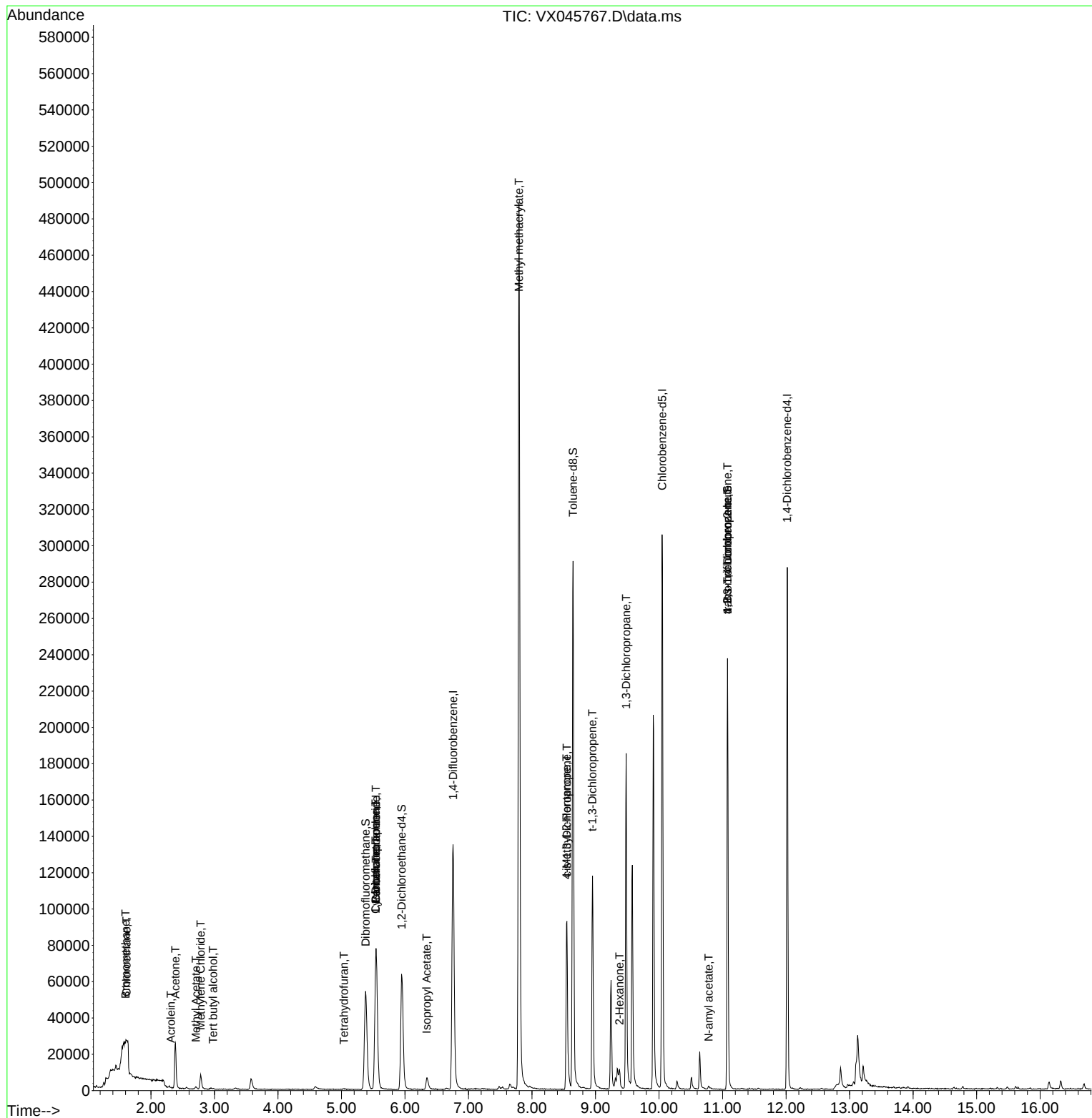
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66155	55.021	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.040%		
35) Dibromofluoromethane	5.379	113	46566	49.060	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.120%		
50) Toluene-d8	8.647	98	167685	50.615	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.240%		
62) 4-Bromofluorobenzene	11.079	95	62712	51.968	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.940%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	106	0.242	ug/l #	78
6) Chloroethane	1.618	64	186	0.379	ug/l #	42
11) Tert butyl alcohol	2.977	59	306	1.894	ug/l	98
13) Acrolein	2.313	56	117	0.526	ug/l #	73
16) Acetone	2.386	43	28094	56.902	ug/l	99
18) Methyl Acetate	2.709	43	1995	1.755	ug/l	94
20) Methylene Chloride	2.782	84	3500	3.787	ug/l	90
29) Tetrahydrofuran	5.038	42	360	0.768	ug/l #	42
31) Cyclohexane	5.538	56	2037	1.381	ug/l #	36
36) 1,1-Dichloropropene	5.538	75	6478	5.055	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7807	5.637	ug/l #	15
43) Isopropyl Acetate	6.342	43	9667	3.949	ug/l	96
48) Methyl methacrylate	7.793	41	48632	38.480	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	39126	24.112	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	236	2.446	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14526	10.325	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1617	0.984	ug/l #	42
59) 2-Hexanone	9.378	43	10526	8.760	ug/l #	28
74) N-amyl acetate	10.781	43	1489	0.740	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	36222	28.288	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36222	96.006	ug/l #	1

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

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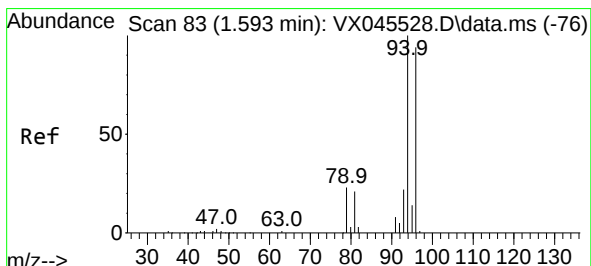
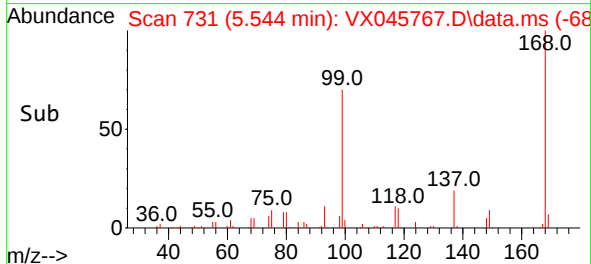
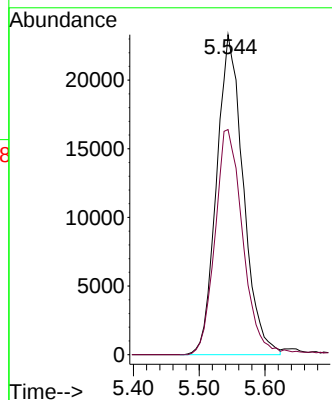
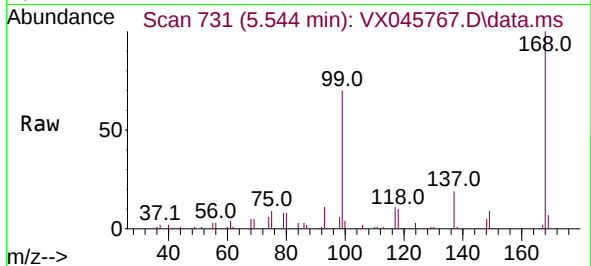




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

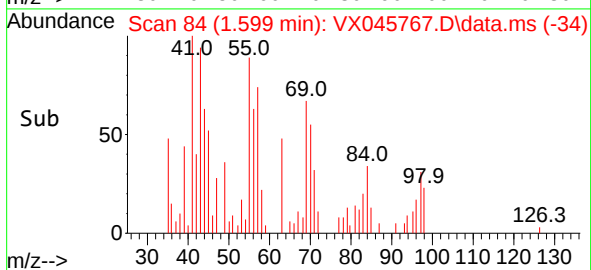
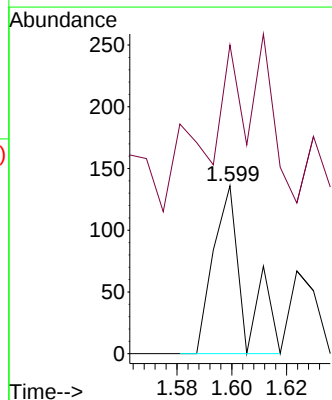
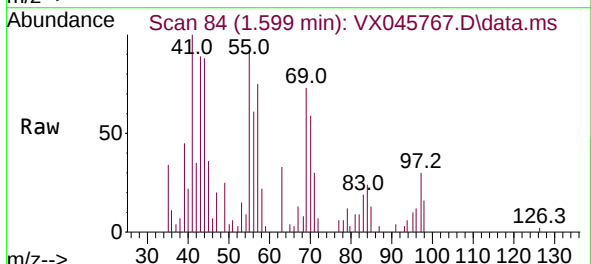
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

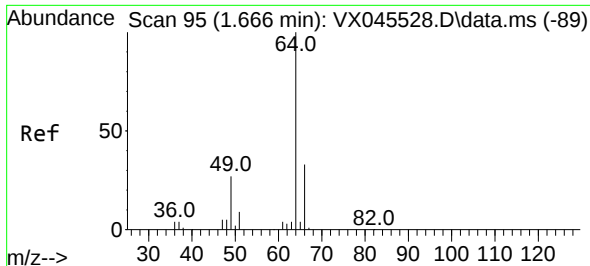
Tgt Ion:168 Resp: 65748
Ion Ratio Lower Upper
168 100
99 70.4 52.3 78.5



#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 72.8 74.8 112.2#

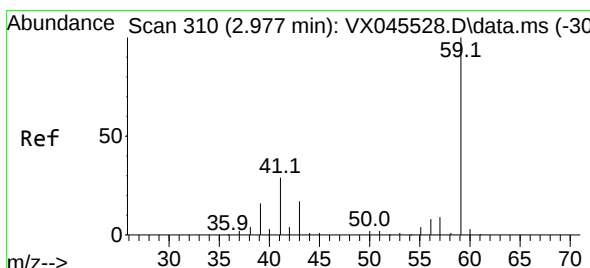
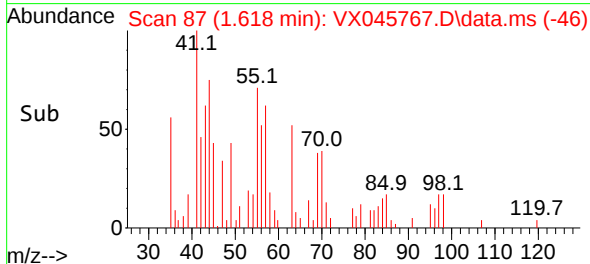
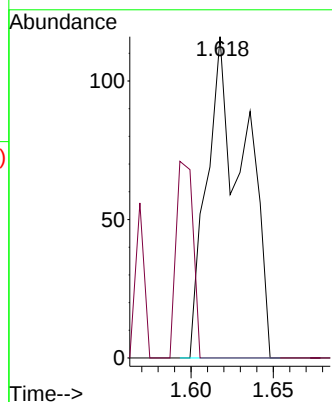
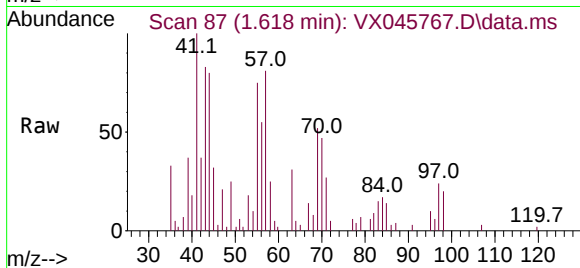




#6
Chloroethane
Concen: 0.379 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.049 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

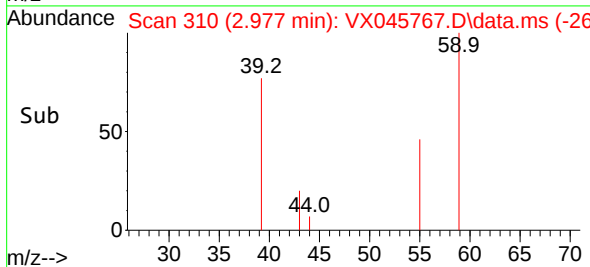
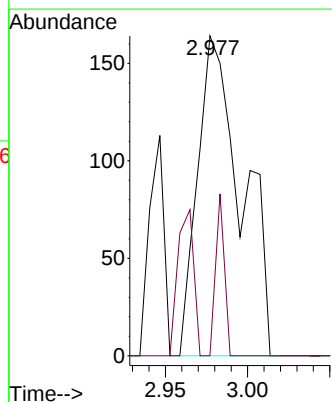
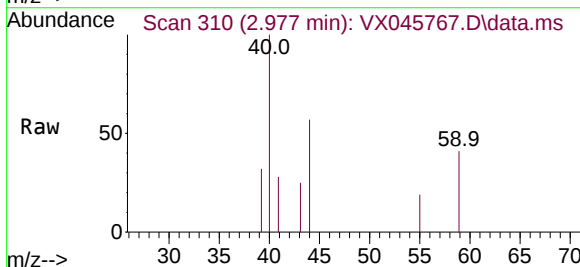
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

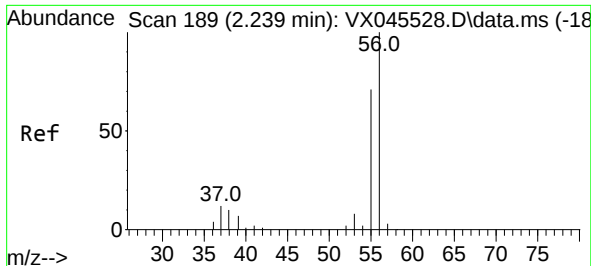
Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 1.894 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8





#13

Acrolein

Concen: 0.526 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.073 min

Lab File: VX045767.D

Acq: 14 Apr 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

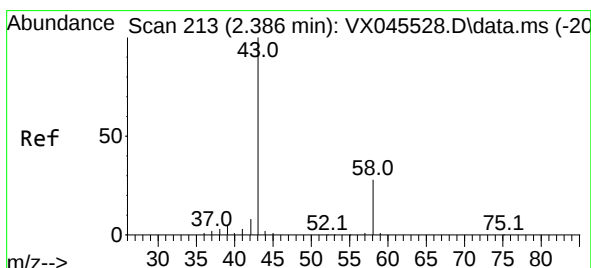
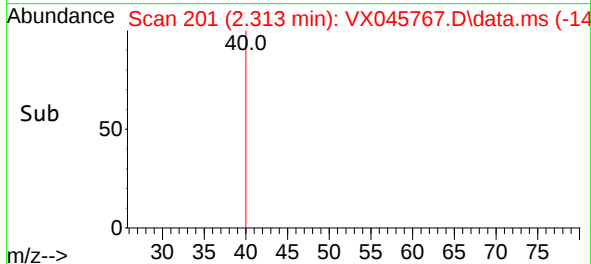
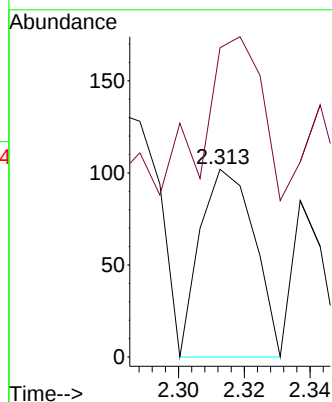
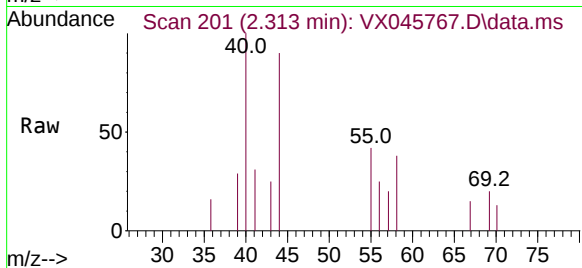
PB167573TB

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 92.3 56.2 84.2#



#16

Acetone

Concen: 56.902 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045767.D

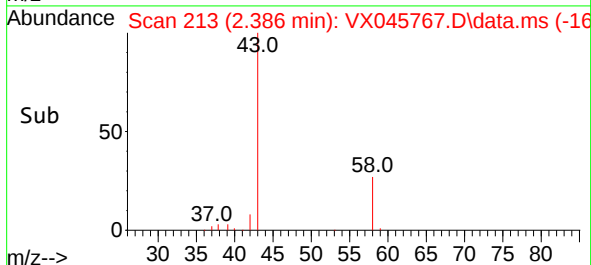
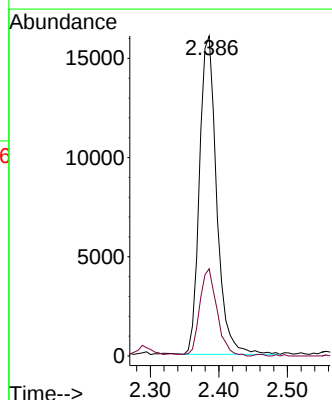
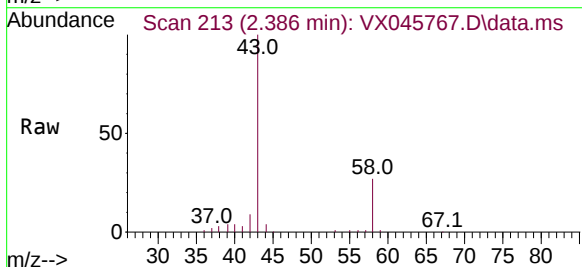
Acq: 14 Apr 2025 14:48

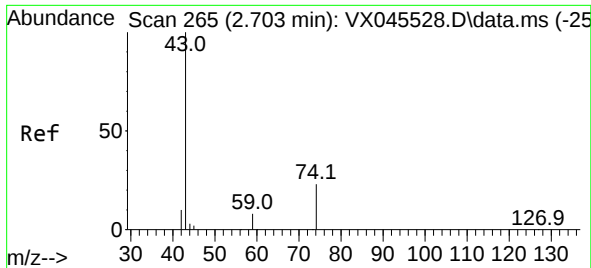
Tgt Ion: 43 Resp: 28094

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5

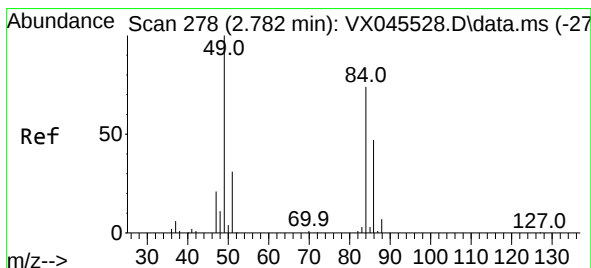
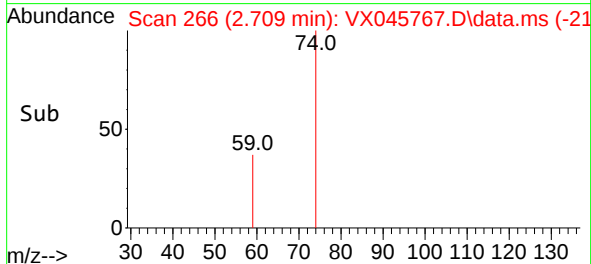
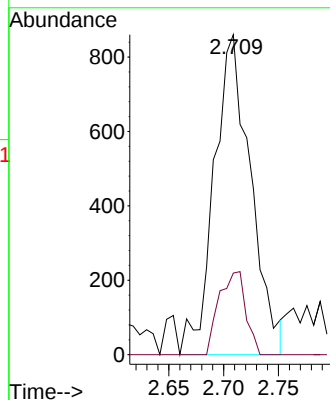
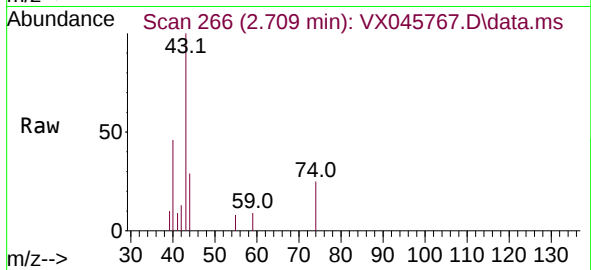




#18
Methyl Acetate
Concen: 1.755 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

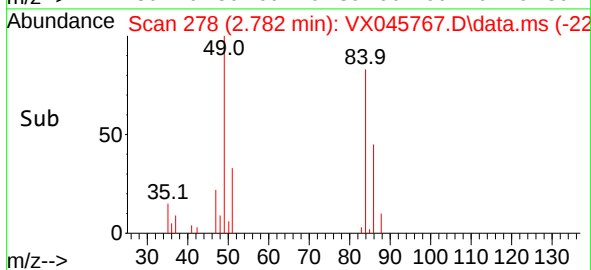
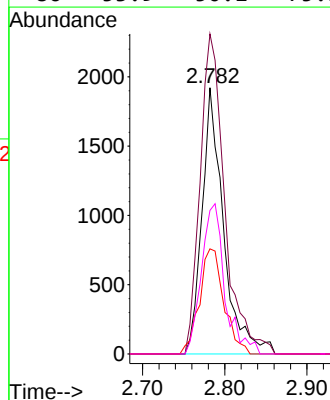
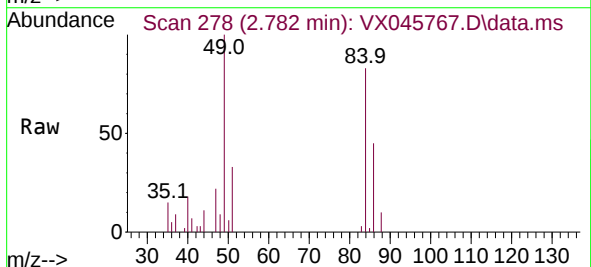
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

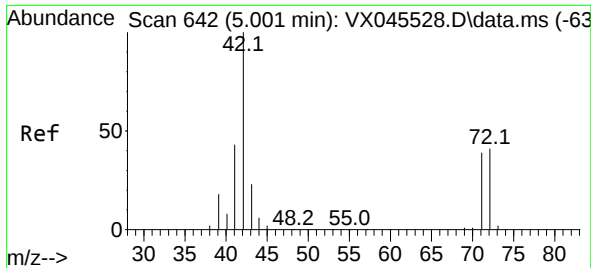
Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
74 18.9 17.5 26.3



#20
Methylene Chloride
Concen: 3.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 84 Resp: 3500
Ion Ratio Lower Upper
84 100
49 120.2 107.5 161.3
51 39.5 33.0 49.6
86 53.9 50.1 75.1





#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX045767.D

Acq: 14 Apr 2025 14:48

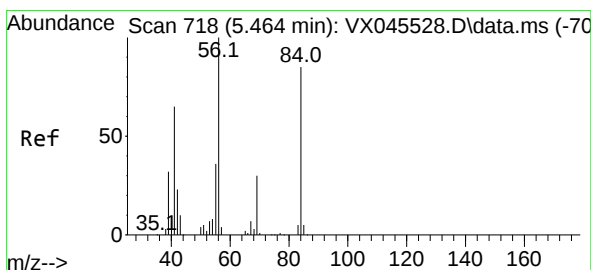
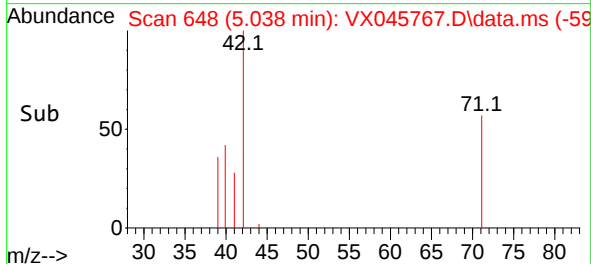
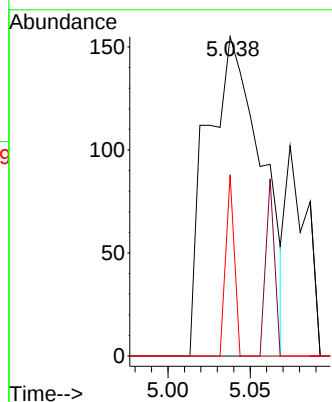
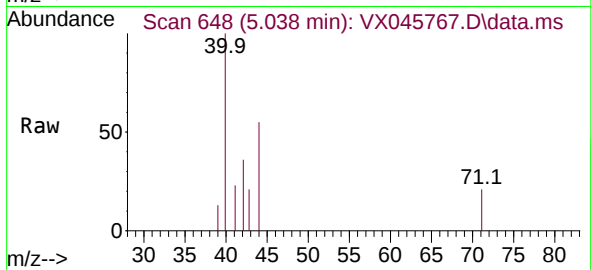
Instrument :

MSVOA_X

ClientSampleId :

PB167573TB

Tgt Ion: 42	Resp: 360
Ion Ratio	Lower Upper
42	100
72	0.0 33.4 50.0#
71	8.9 31.4 47.0#



#31

Cyclohexane

Concen: 1.381 ug/l

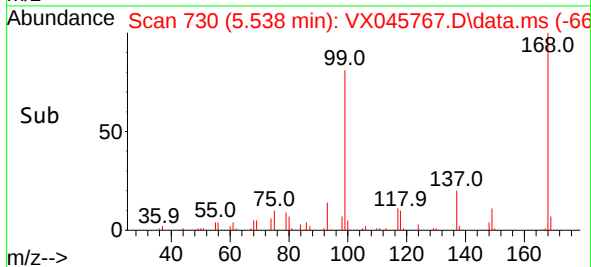
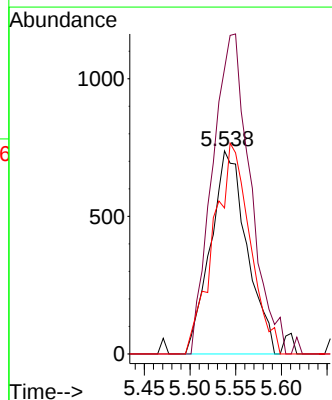
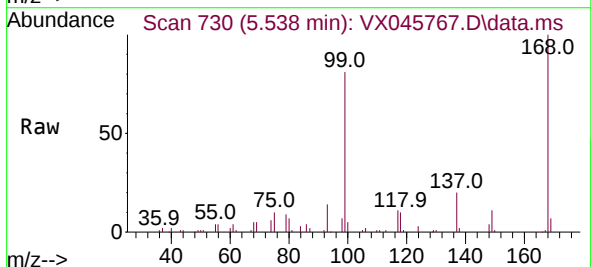
RT: 5.538 min Scan# 730

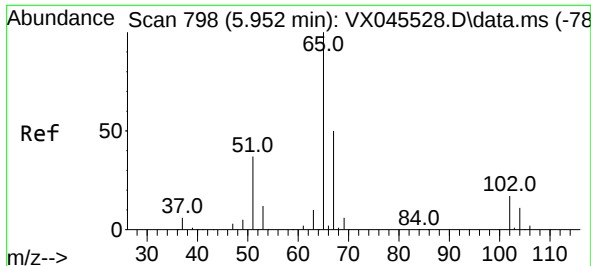
Delta R.T. 0.073 min

Lab File: VX045767.D

Acq: 14 Apr 2025 14:48

Tgt Ion: 56	Resp: 2037
Ion Ratio	Lower Upper
56	100
69	140.4 23.6 35.4#
84	71.8 67.7 101.5

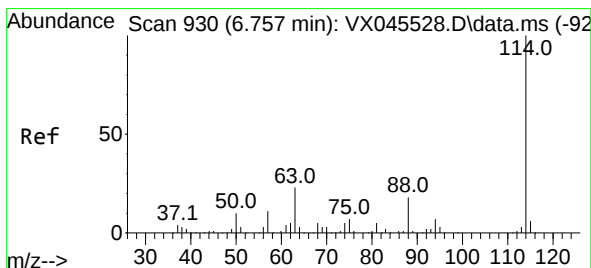
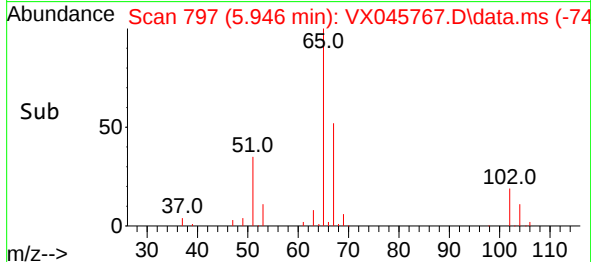
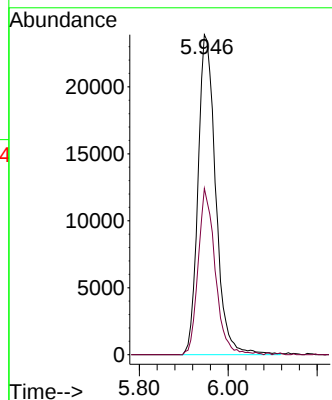
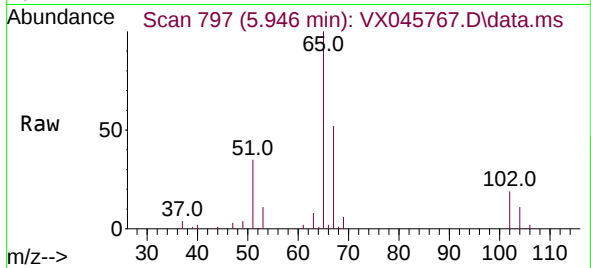




#33
 1,2-Dichloroethane-d4
 Concen: 55.021 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX045767.D
 Acq: 14 Apr 2025 14:48

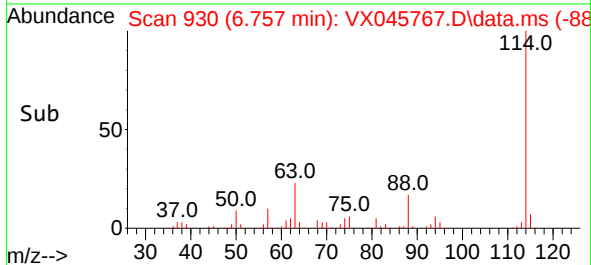
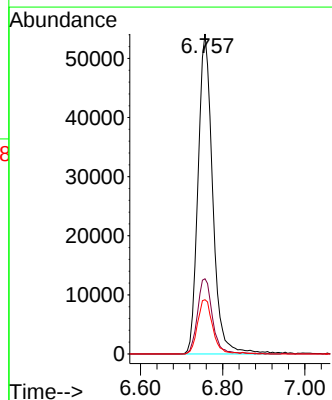
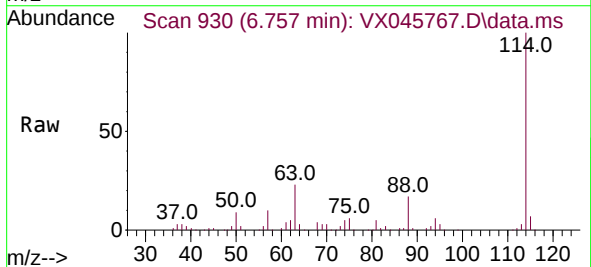
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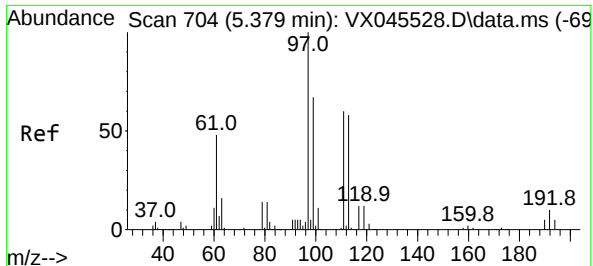
Tgt Ion: 65 Resp: 66155
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045767.D
 Acq: 14 Apr 2025 14:48

Tgt Ion: 114 Resp: 133778
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.8
 88 16.9 0.0 35.4

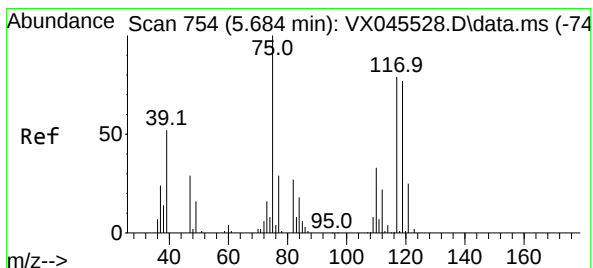
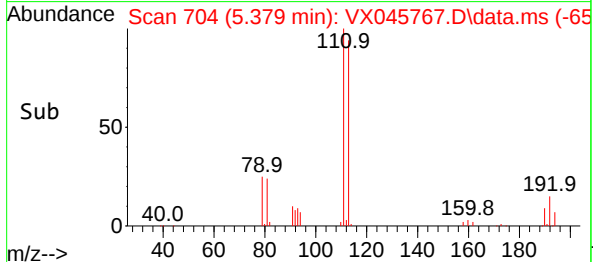
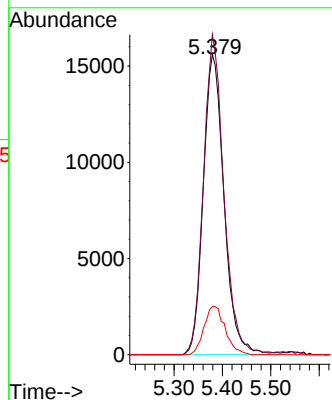
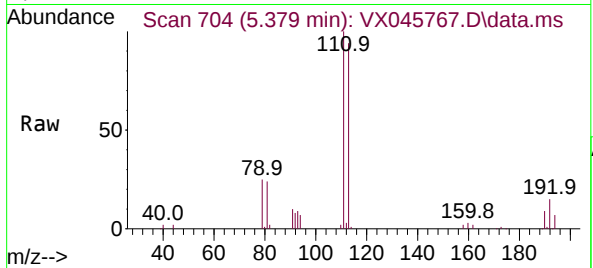




#35
Dibromofluoromethane
Concen: 49.060 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

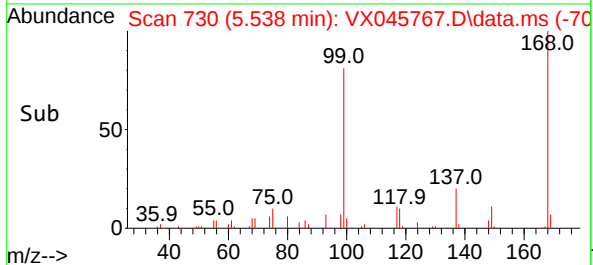
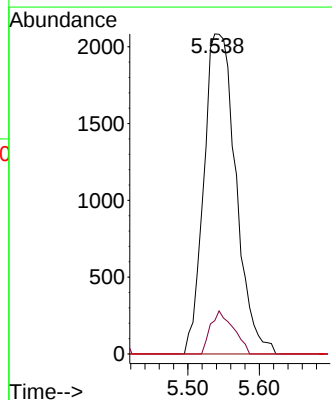
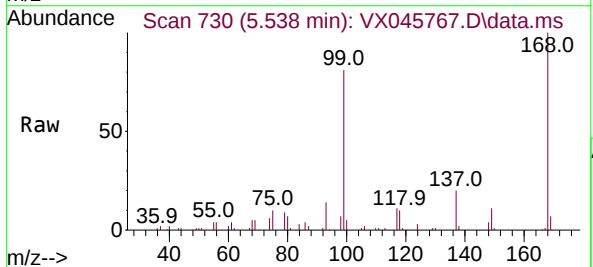
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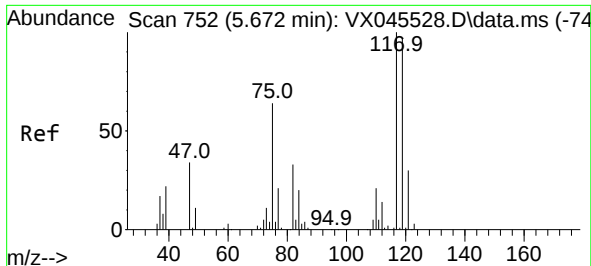
Tgt Ion:113 Resp: 46566
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

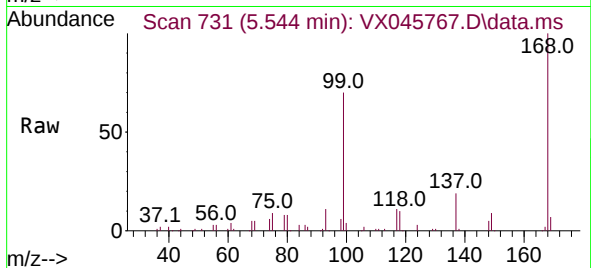
Tgt Ion: 75 Resp: 6478
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.6#
77 0.0 25.0 37.4#



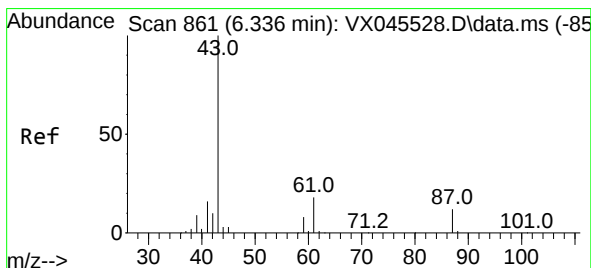
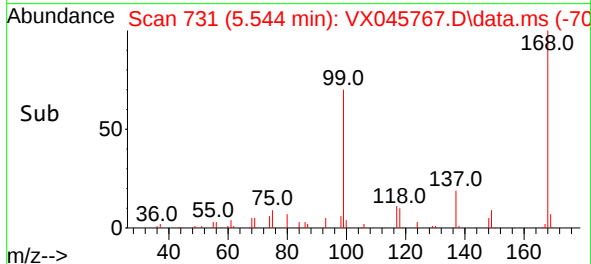
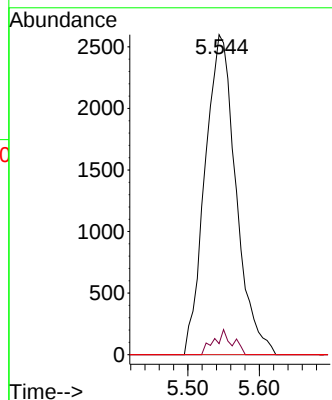


#38
Carbon Tetrachloride
Concen: 5.637 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

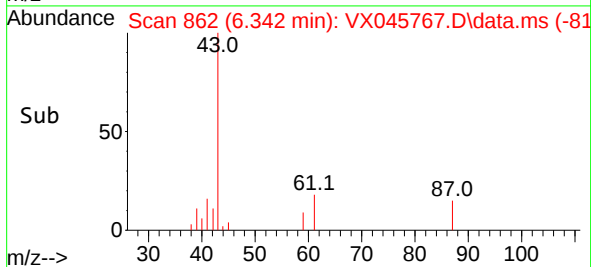
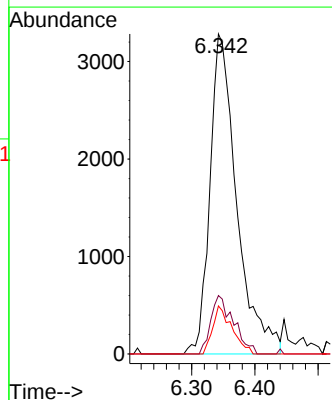
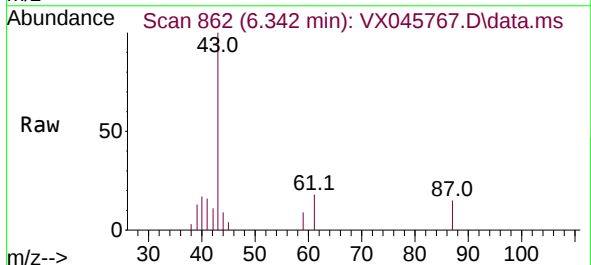


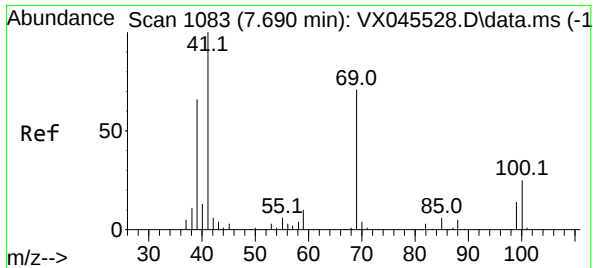
Tgt Ion:117 Resp: 7807
Ion Ratio Lower Upper
117 100
119 3.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.949 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 43 Resp: 9667
Ion Ratio Lower Upper
43 100
61 15.5 14.1 21.1
87 10.8 9.2 13.8

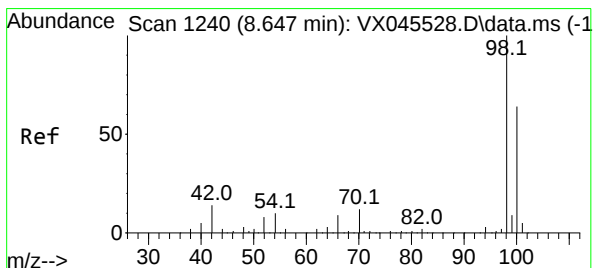
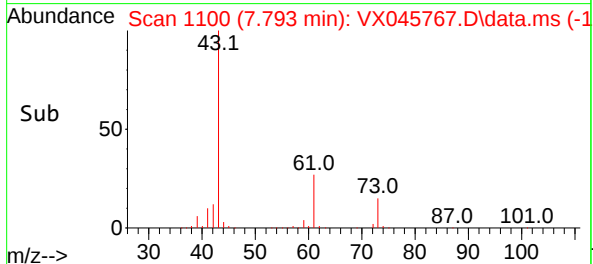
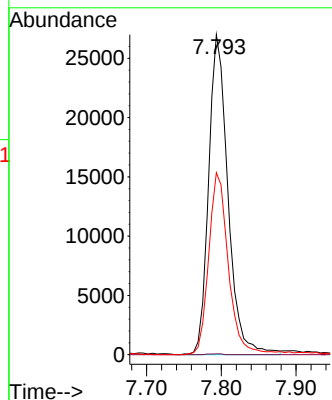
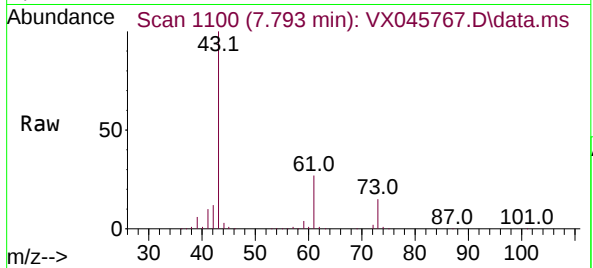




#48
Methyl methacrylate
Concen: 38.480 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

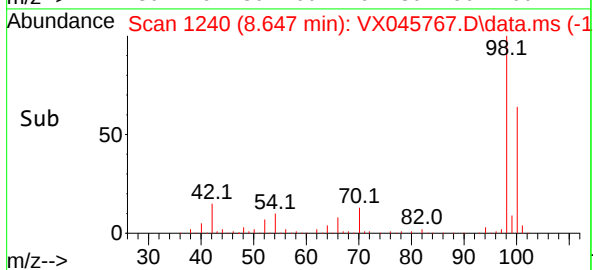
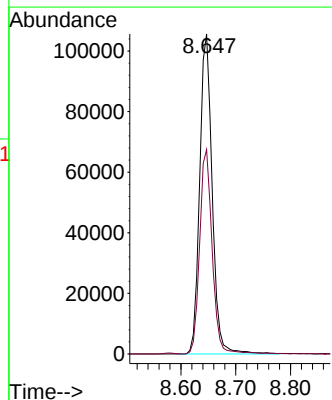
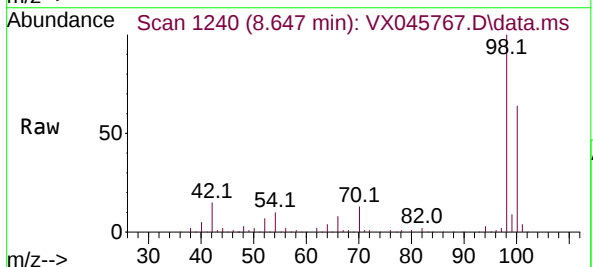
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

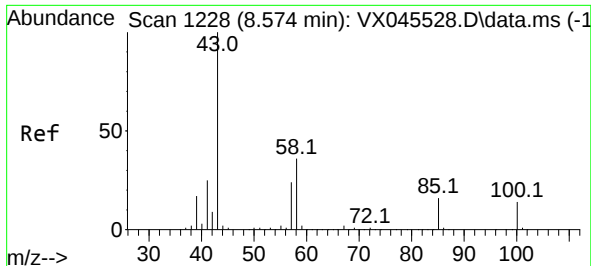
Tgt Ion: 41 Resp: 48632
Ion Ratio Lower Upper
41 100
69 0.2 58.2 87.2#
39 59.0 53.6 80.4



#50
Toluene-d8
Concen: 50.615 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 98 Resp: 167685
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4

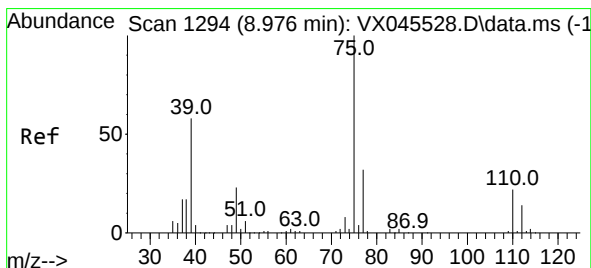
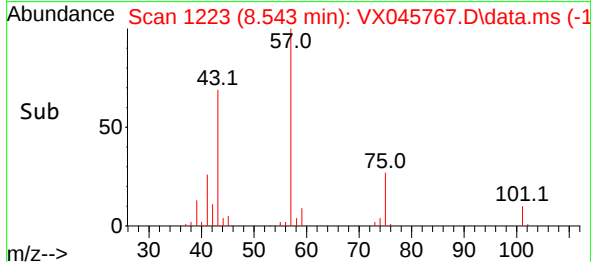
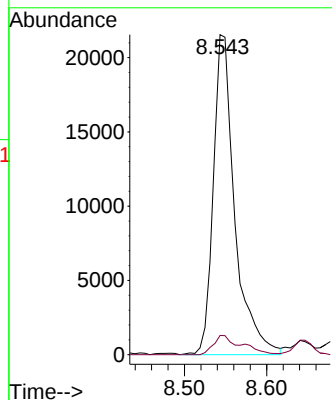
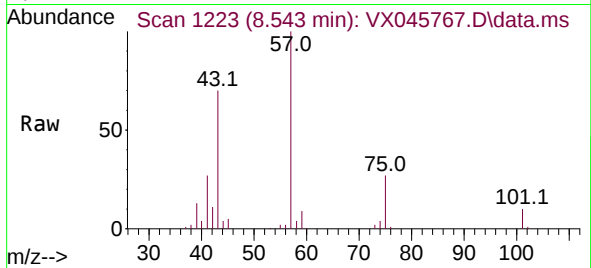




#51
4-Methyl-2-Pentanone
Concen: 24.112 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

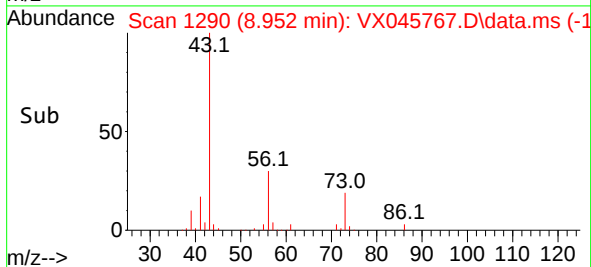
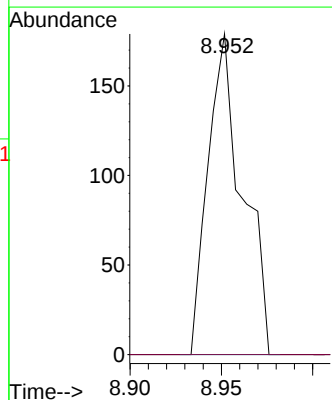
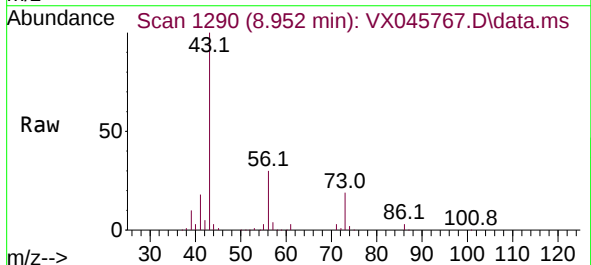
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

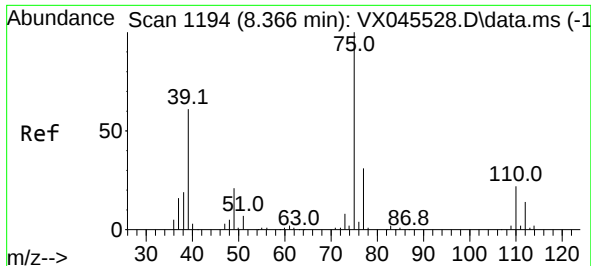
Tgt Ion: 43 Resp: 39126
Ion Ratio Lower Upper
43 100
58 8.0 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.446 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 75 Resp: 236
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

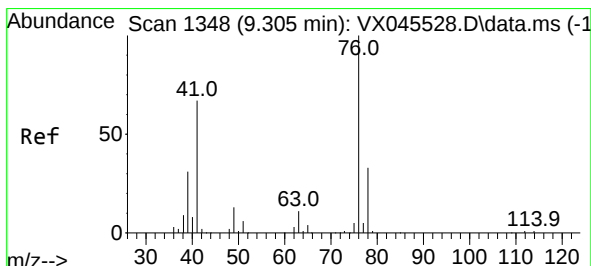
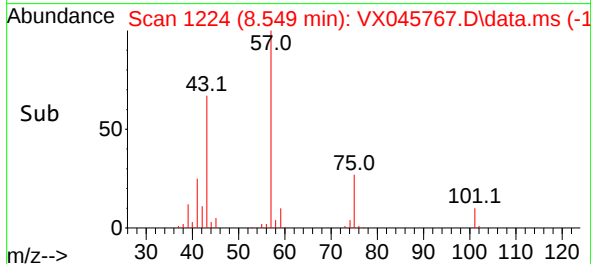
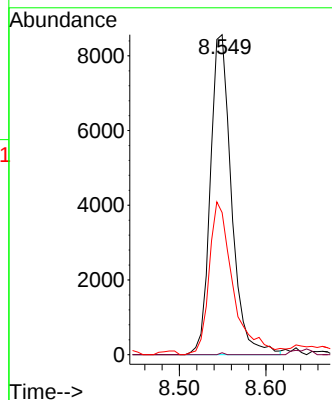
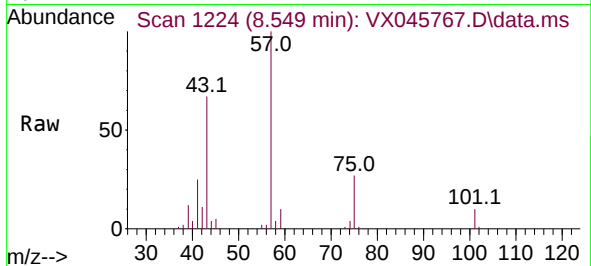




#54
 cis-1,3-Dichloropropene
 Concen: 10.325 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045767.D
 Acq: 14 Apr 2025 14:48

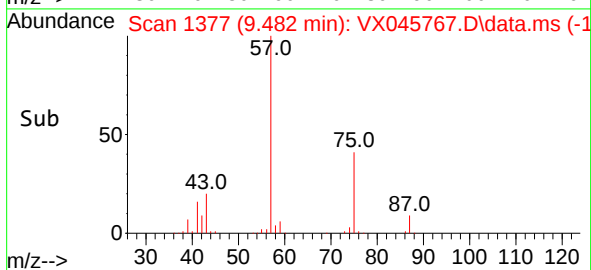
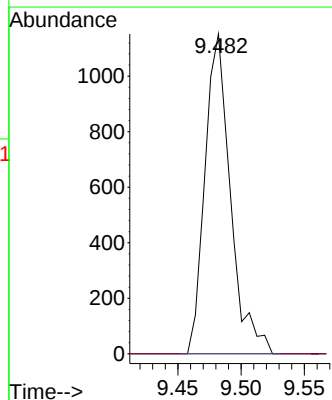
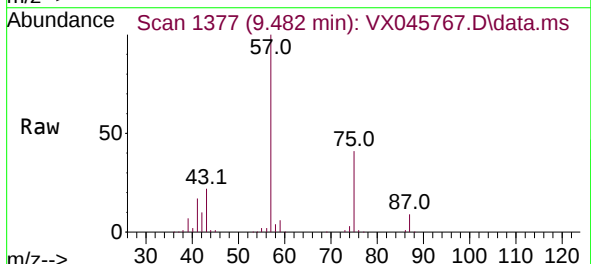
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167573TB

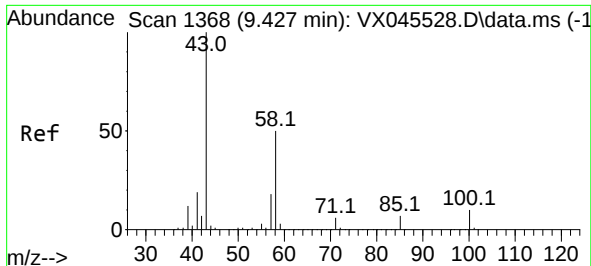
Tgt Ion: 75 Resp: 14526
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 36.8#
 39 44.4 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.984 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045767.D
 Acq: 14 Apr 2025 14:48

Tgt Ion: 76 Resp: 1617
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.760 ug/l

RT: 9.378 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX045767.D

Acq: 14 Apr 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

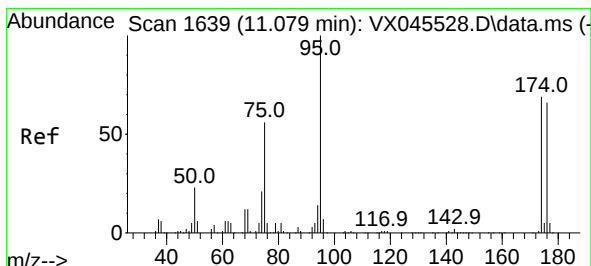
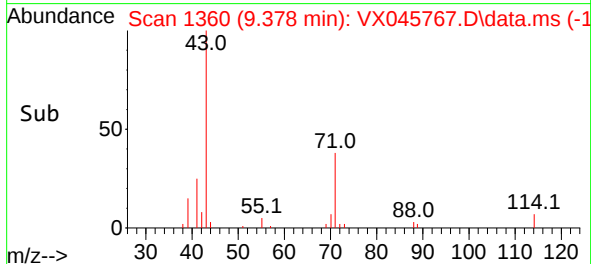
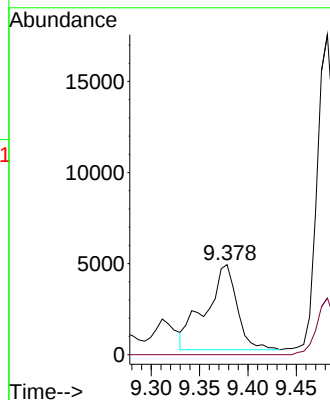
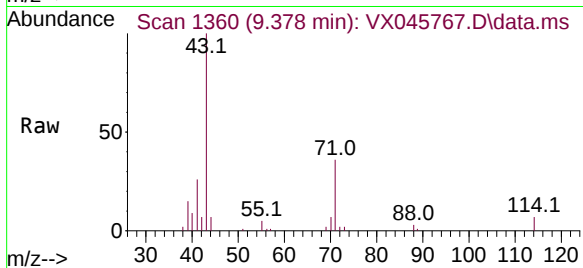
PB167573TB

Tgt Ion: 43 Resp: 10526

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 51.968 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045767.D

Acq: 14 Apr 2025 14:48

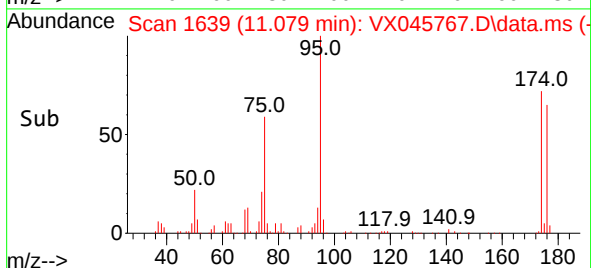
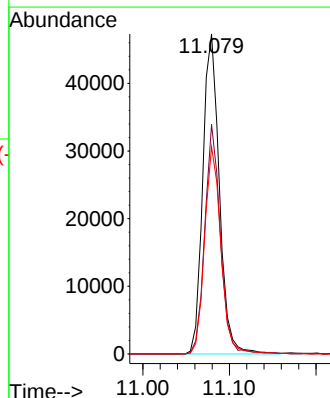
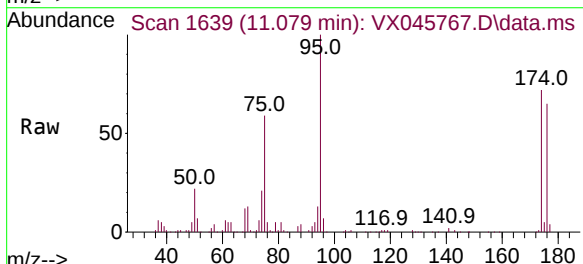
Tgt Ion: 95 Resp: 62712

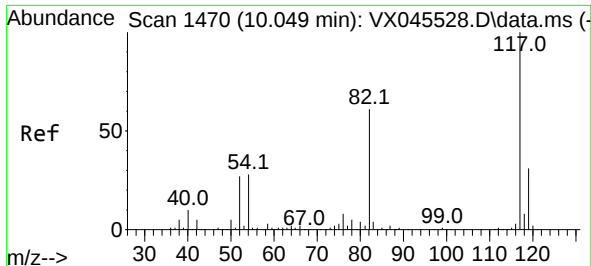
Ion Ratio Lower Upper

95 100

174 67.6 0.0 135.8

176 63.9 0.0 131.4

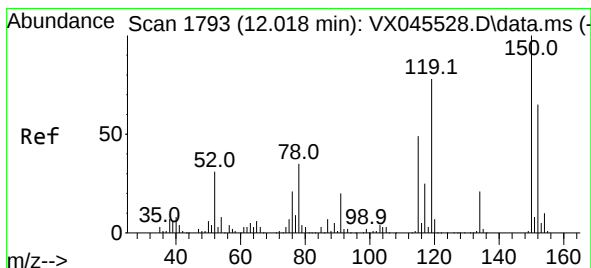
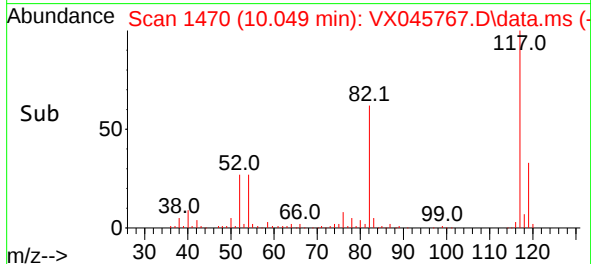
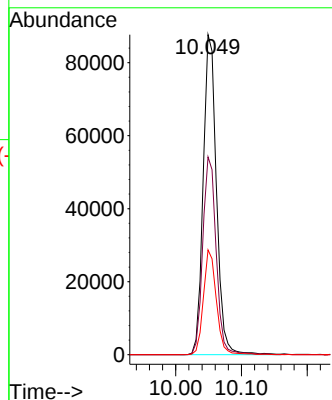
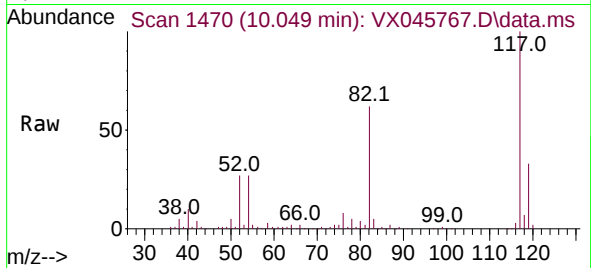




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

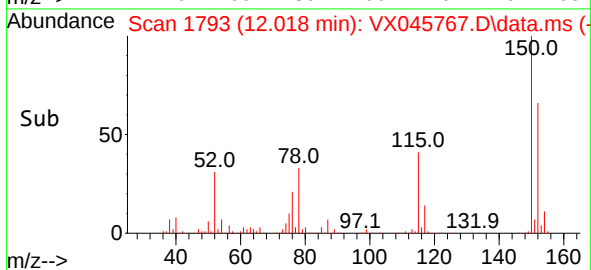
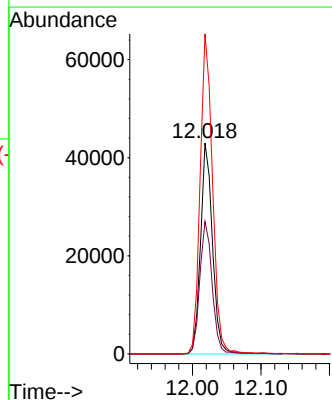
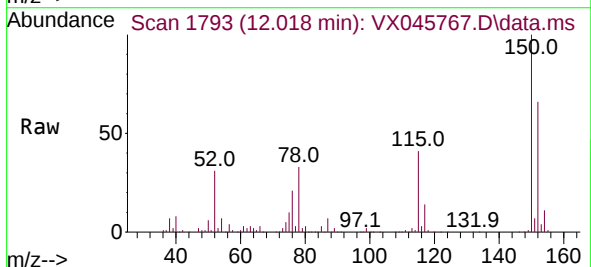
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

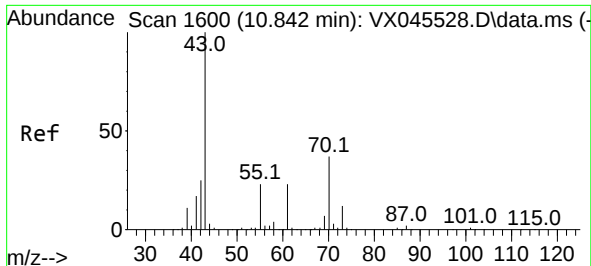
Tgt Ion:117 Resp: 123262
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion:152 Resp: 52495
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 157.4 0.0 349.4

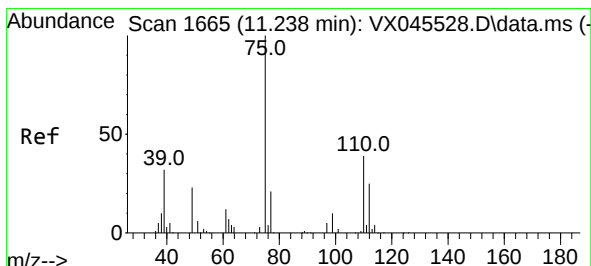
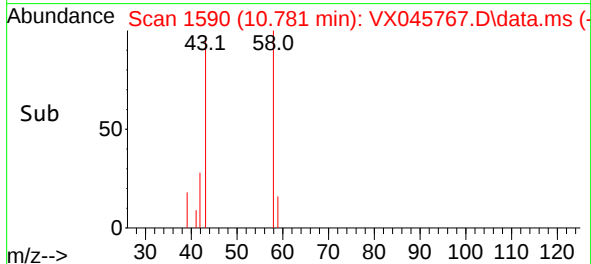
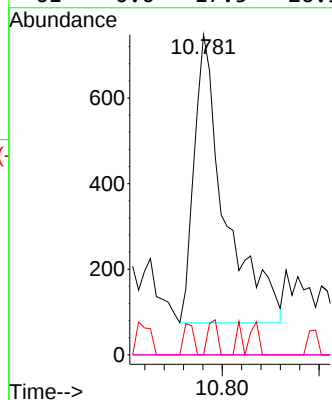
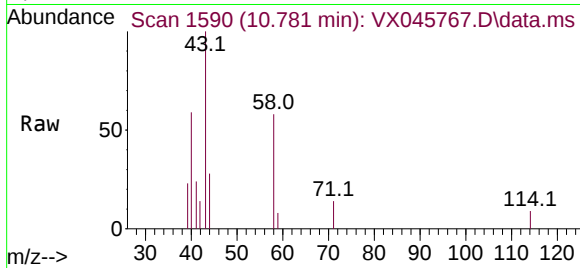




#74
N-amy1 acetate
Concen: 0.740 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

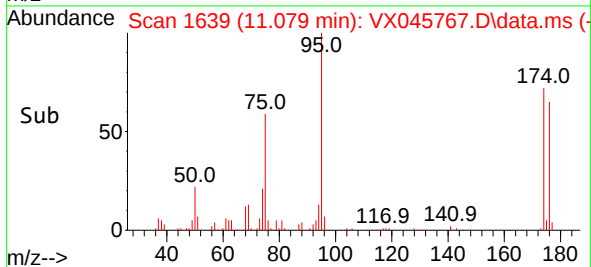
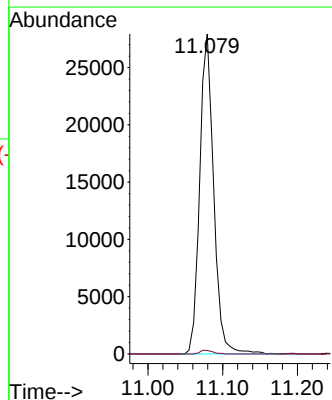
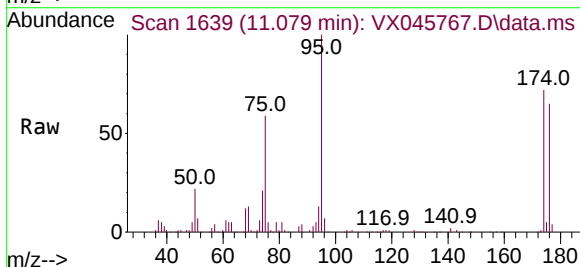
Instrument :
MSVOA_X
ClientSampleId :
PB167573TB

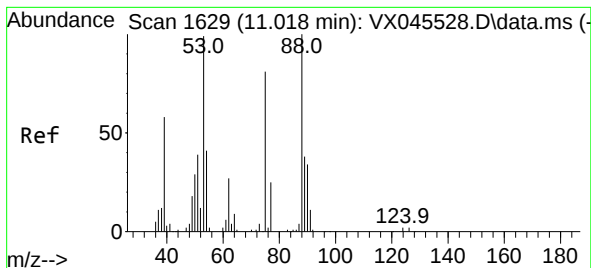
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 3.8 18.3 27.5#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 28.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045767.D
Acq: 14 Apr 2025 14:48

Tgt Ion: 75 Resp: 36222
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.006 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045767.D
 Acq: 14 Apr 2025 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167573TB

Tgt Ion: 75 Resp: 36222
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

