

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043622.D
 Acq On : 30 Oct 2024 14:24
 Operator : JC/MD
 Sample : PB164501TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501TB

Quant Time: Oct 31 22:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

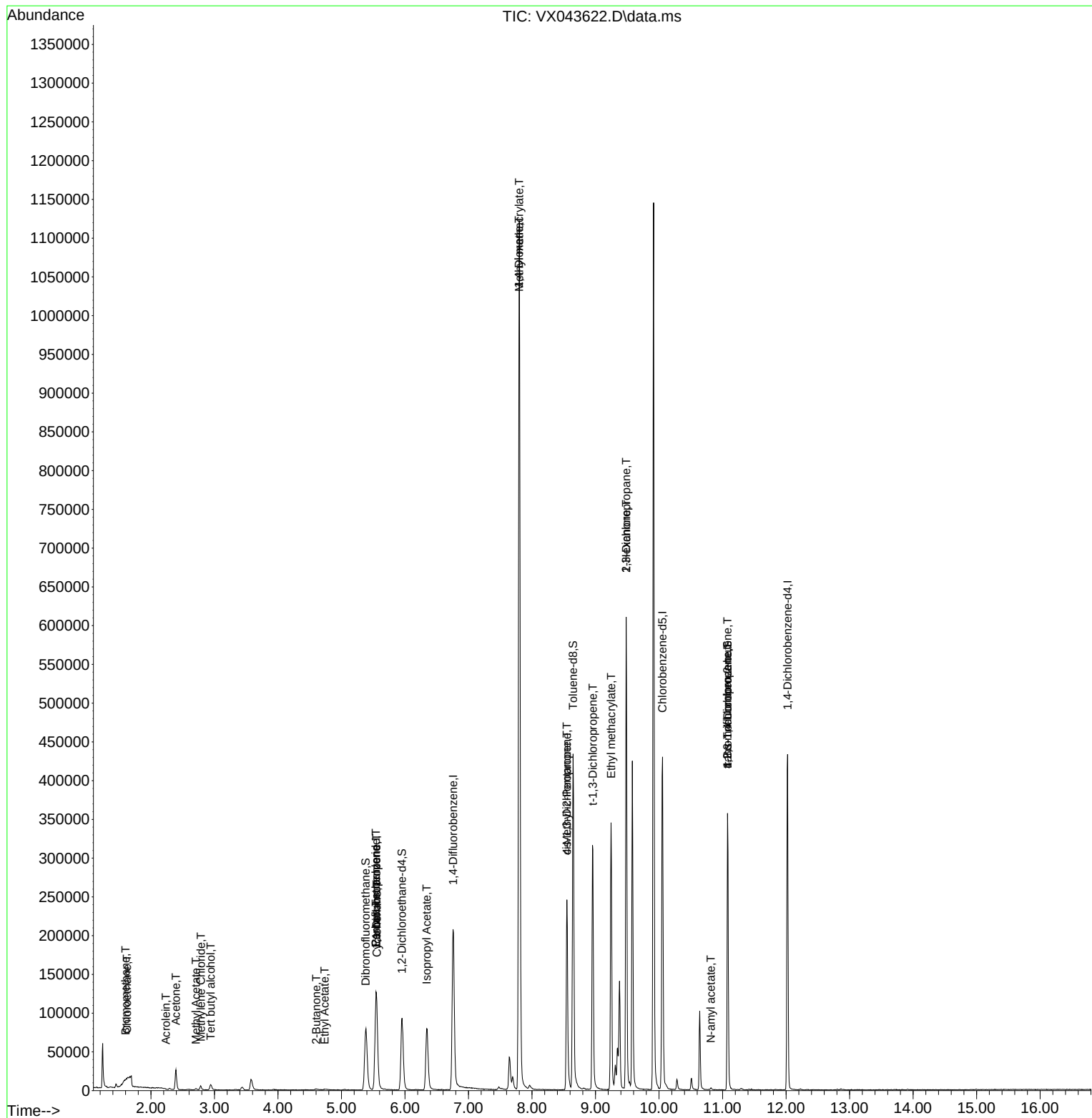
Internal Standards						
1) Pentafluorobenzene	5.543	168	126843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87512	43.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.540%		
35) Dibromofluoromethane	5.379	113	71137	44.599	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.200%		
50) Toluene-d8	8.647	98	274961	49.799	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.600%		
62) 4-Bromofluorobenzene	11.079	95	99229	48.500	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	193	0.294	ug/l #	2
6) Chloroethane	1.623	64	305	0.538	ug/l #	43
11) Tert butyl alcohol	2.940	59	4335	11.483	ug/l #	100
13) Acrolein	2.233	56	110	0.373	ug/l #	63
16) Acetone	2.392	43	27087	33.726	ug/l	98
18) Methyl Acetate	2.709	43	2127	0.906	ug/l	97
20) Methylene Chloride	2.788	84	2410	1.392	ug/l #	86
25) 2-Butanone	4.605	43	1586	1.354	ug/l	90
31) Cyclohexane	5.556	56	2479	1.161	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	9481	5.013	ug/l #	49
37) Ethyl Acetate	4.733	43	834	0.363	ug/l #	93
38) Carbon Tetrachloride	5.543	117	12821	6.135	ug/l #	16
43) Isopropyl Acetate	6.342	43	116190	30.598	ug/l	99
48) Methyl methacrylate	7.799	41	92717	51.499	ug/l #	41
49) 1,4-Dioxane	7.793	88	124	3.352	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86119	37.210	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	845	0.375	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	44530	18.542	ug/l #	59
56) Ethyl methacrylate	9.244	69	922	0.356	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5399	2.038	ug/l #	42
59) 2-Hexanone	9.482	43	68986	39.245	ug/l #	52
74) N-amyl acetate	10.817	43	926	0.274	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	47839	22.836	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47839	62.822	ug/l #	7

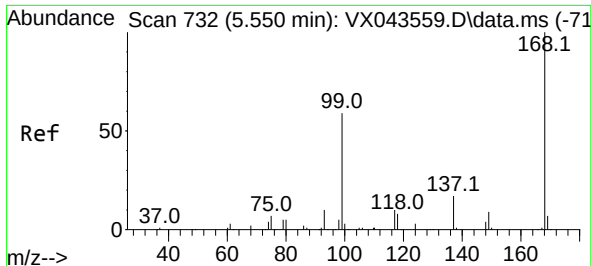
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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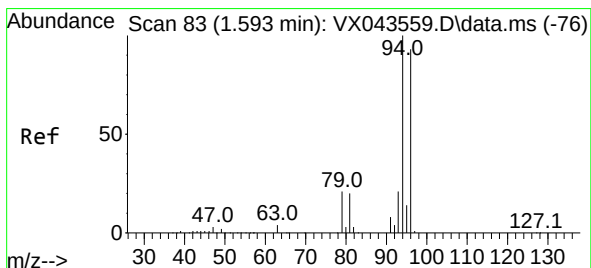
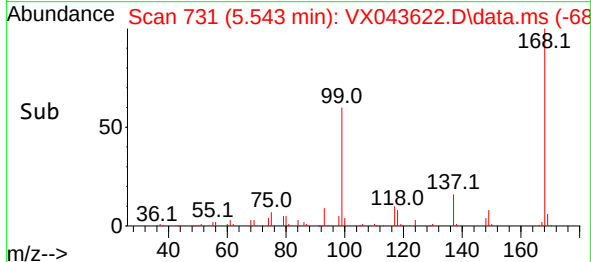
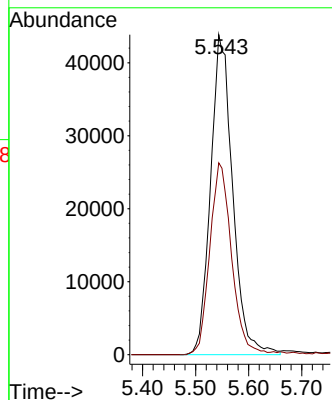
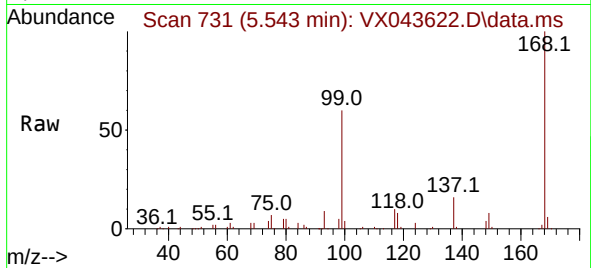




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

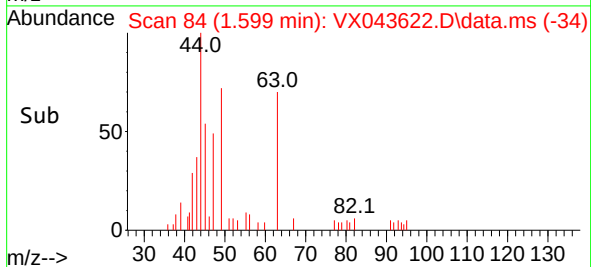
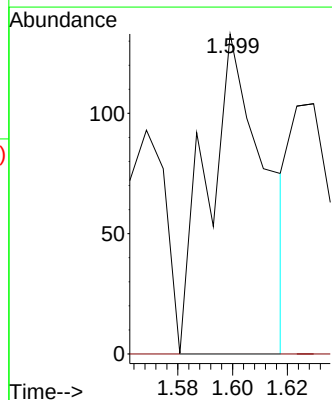
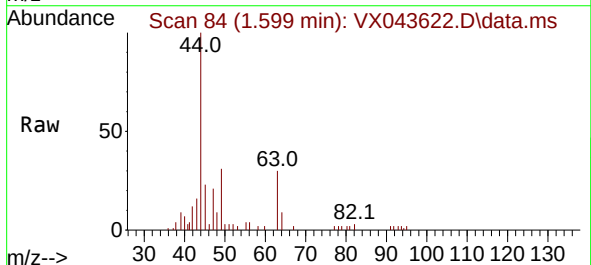
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

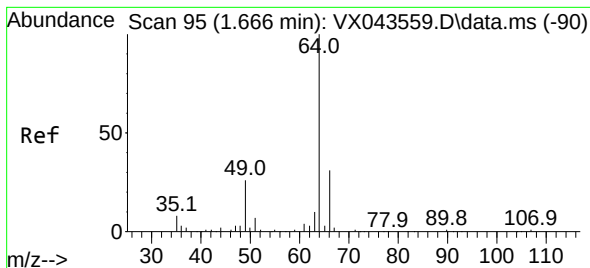
Tgt Ion:168 Resp: 126843
Ion Ratio Lower Upper
168 100
99 59.9 52.6 78.8



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

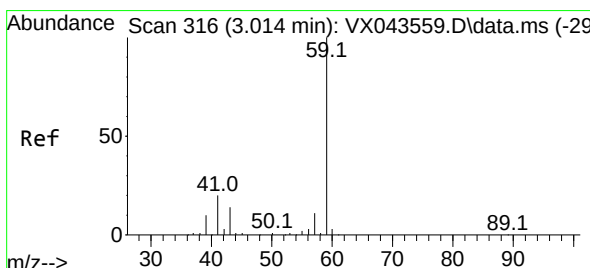
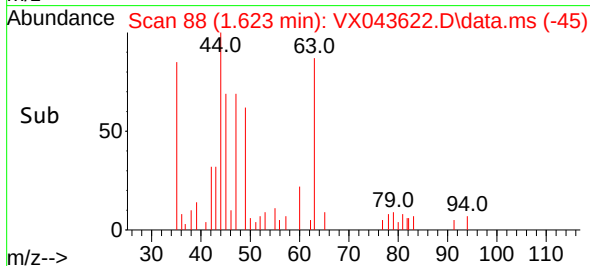
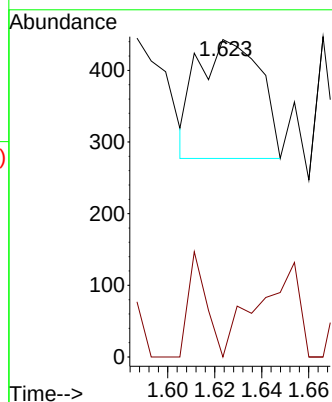
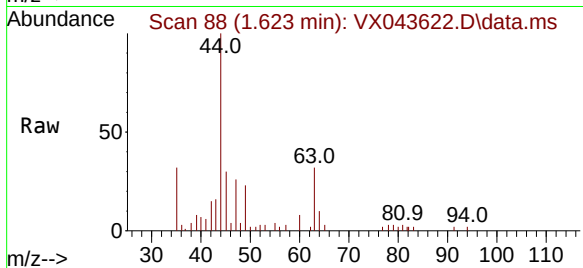




#6
Chloroethane
Concen: 0.538 ug/l
RT: 1.623 min Scan# 81
Delta R.T. -0.037 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

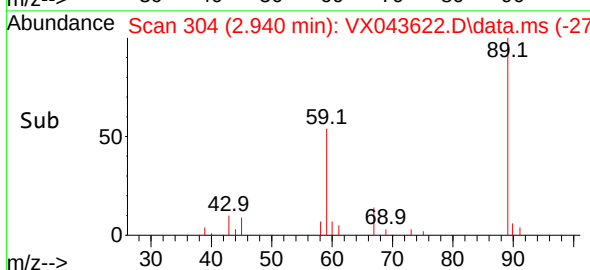
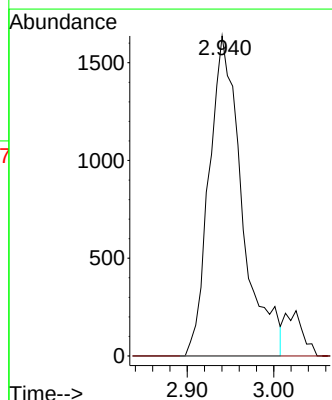
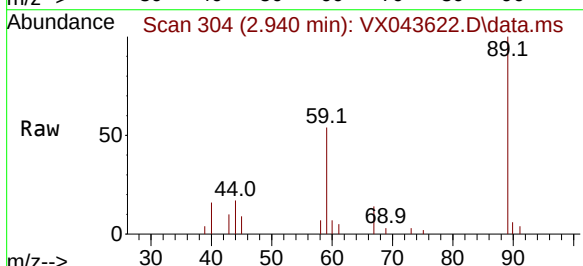
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

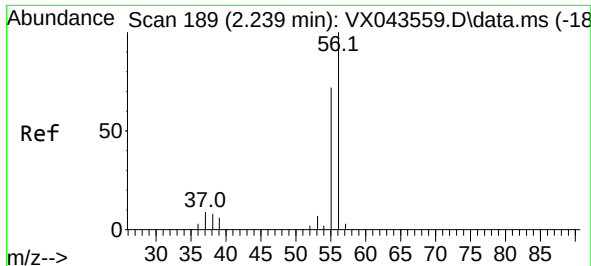
Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 11.483 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.110 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 59 Resp: 4335
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#13

Acrolein

Concen: 0.373 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

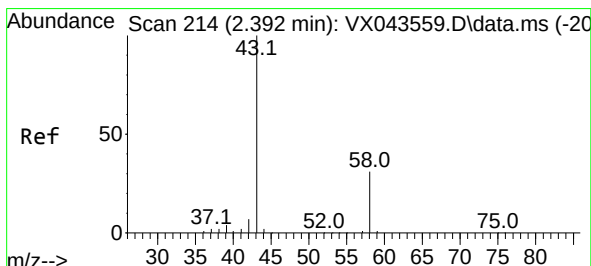
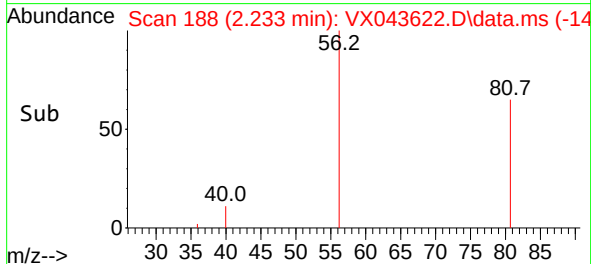
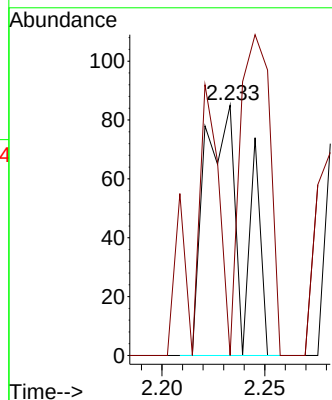
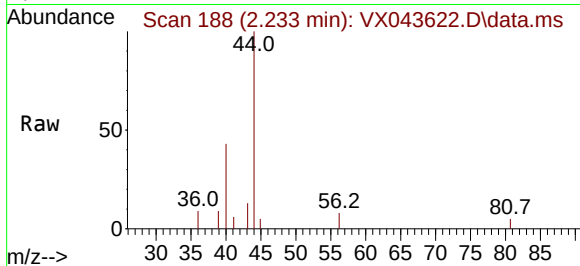
PB164501TB

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 99.1 55.3 82.9#



#16

Acetone

Concen: 33.726 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043622.D

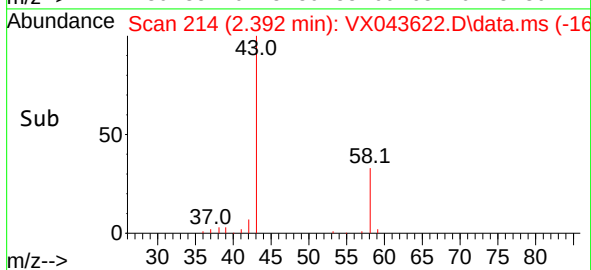
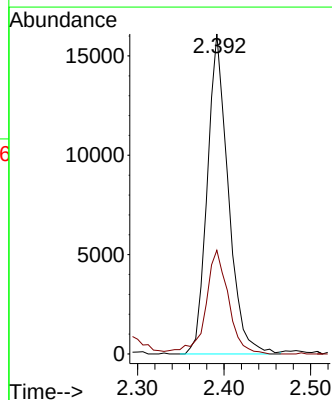
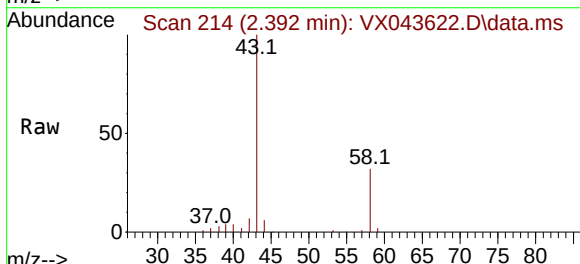
Acq: 30 Oct 2024 14:24

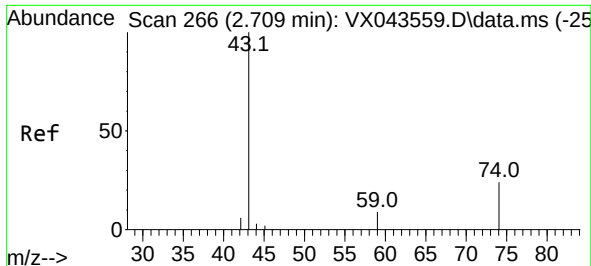
Tgt Ion: 43 Resp: 27087

Ion Ratio Lower Upper

43 100

58 32.4 25.1 37.7

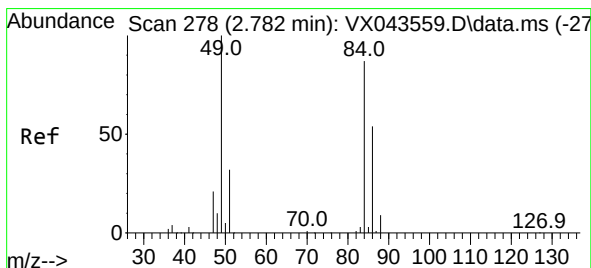
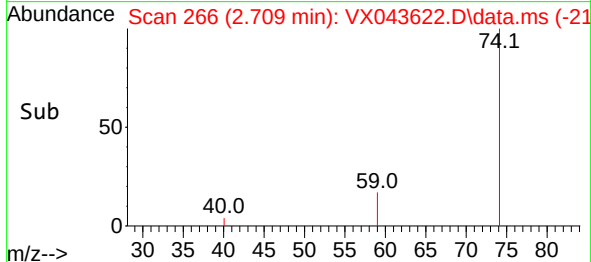
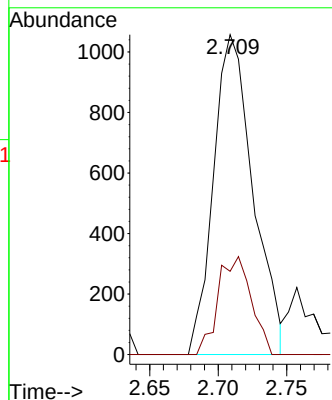
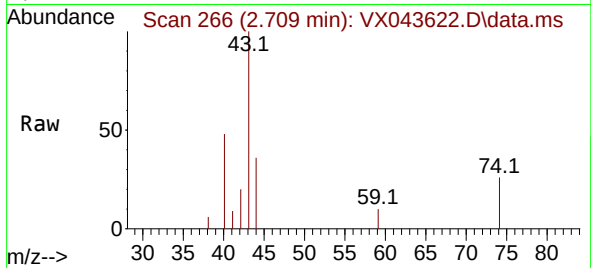




#18
Methyl Acetate
Concen: 0.906 ug/l
RT: 2.709 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

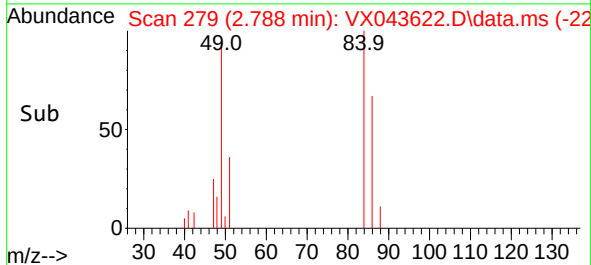
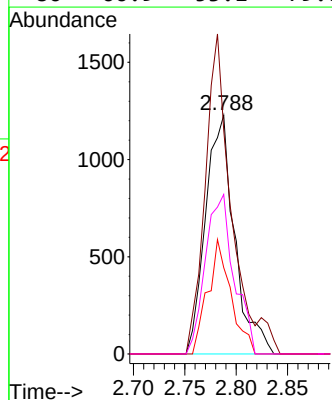
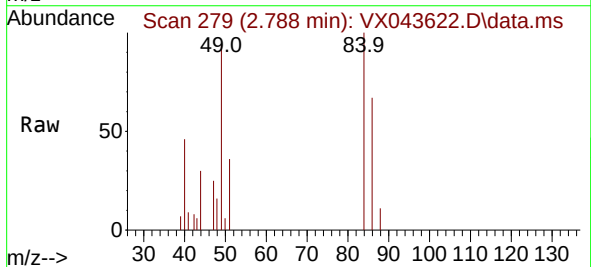
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

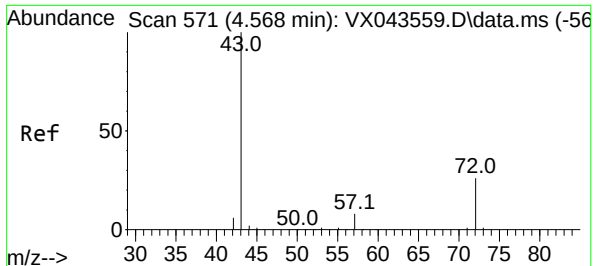
Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7



#20
Methylene Chloride
Concen: 1.392 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 84 Resp: 2410
Ion Ratio Lower Upper
84 100
49 93.8 97.0 145.6#
51 36.2 29.8 44.8
86 66.9 53.1 79.7





#25

2-Butanone

Concen: 1.354 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

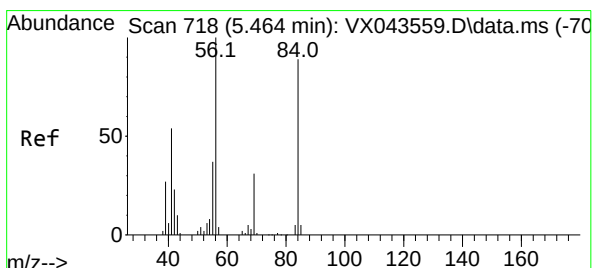
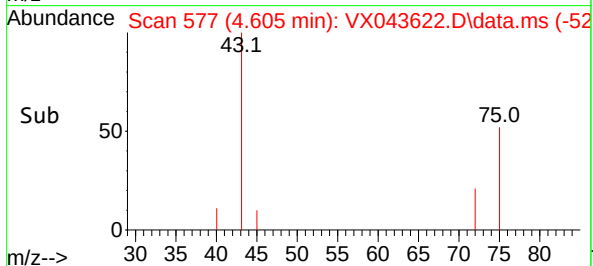
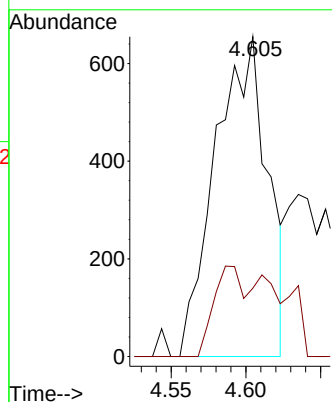
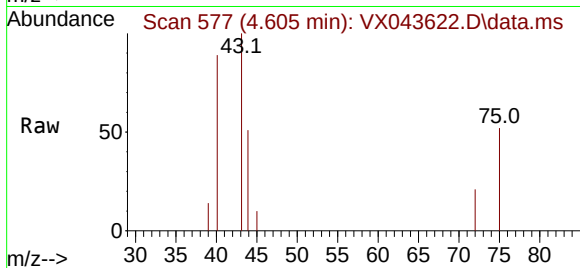
PB164501TB

Tgt Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

72 21.4 21.1 31.7



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.097 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

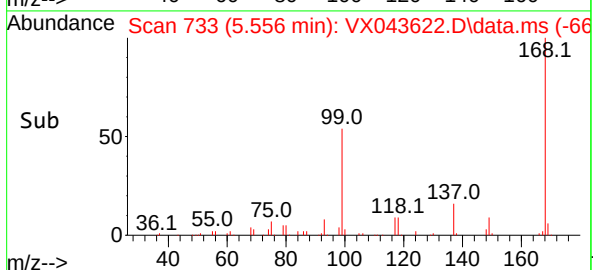
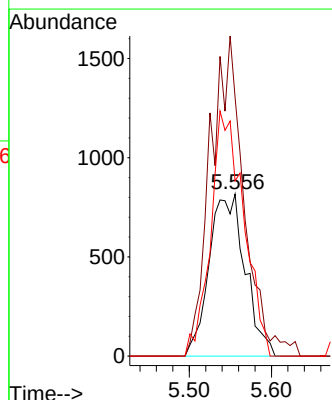
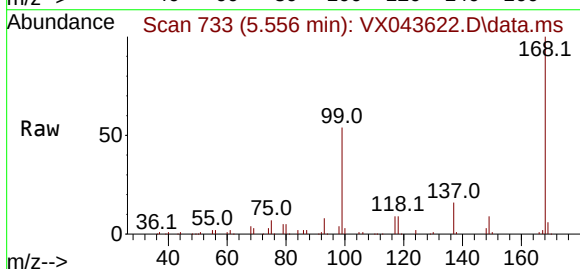
Tgt Ion: 56 Resp: 2479

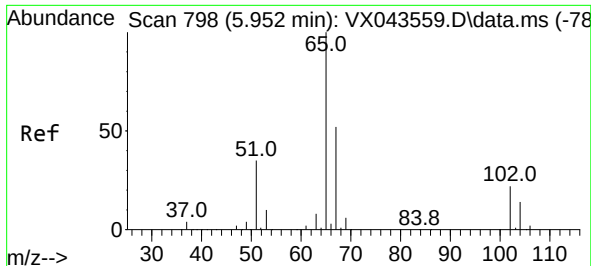
Ion Ratio Lower Upper

56 100

69 159.6 24.9 37.3#

84 108.1 73.3 109.9





#33

1,2-Dichloroethane-d4

Concen: 43.268 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

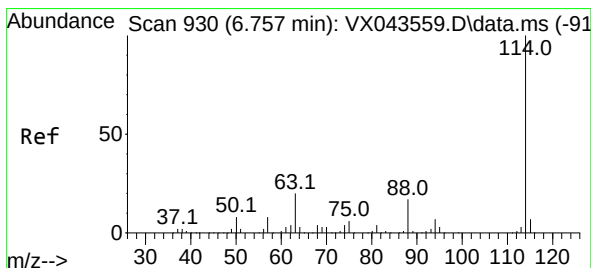
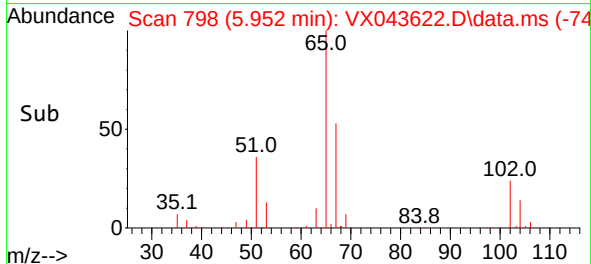
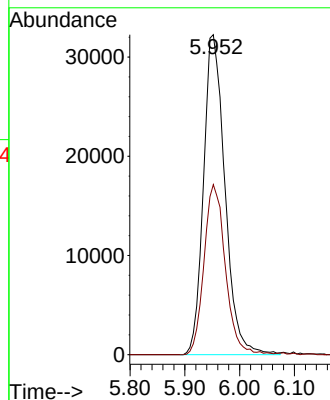
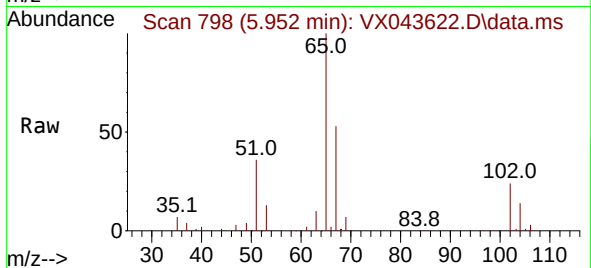
PB164501TB

Tgt Ion: 65 Resp: 87512

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

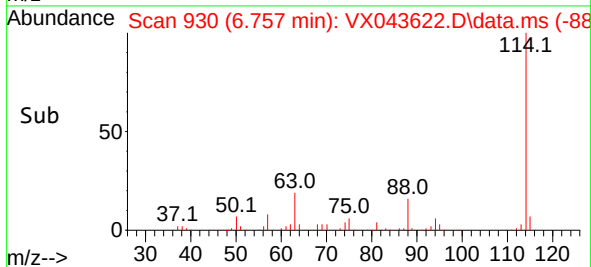
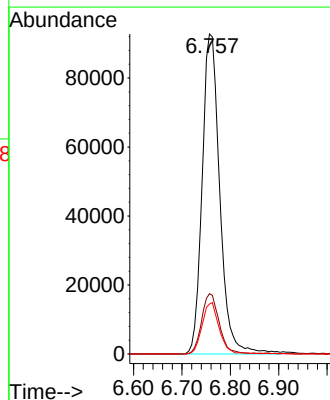
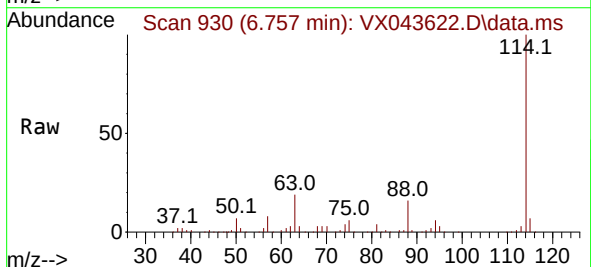
Tgt Ion: 114 Resp: 235221

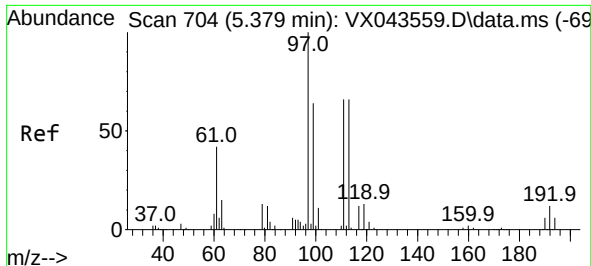
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.2

88 15.6 0.0 34.0

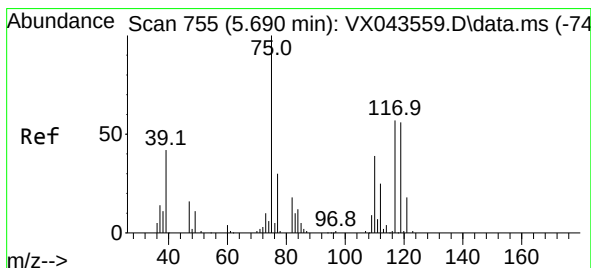
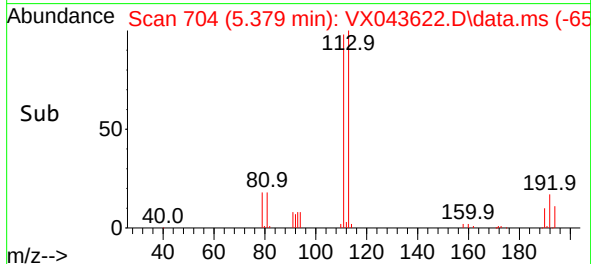
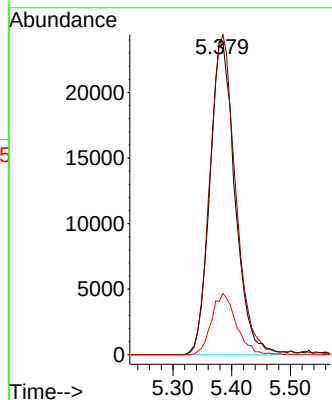
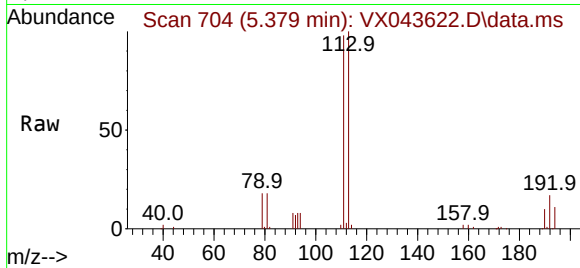




#35
Dibromofluoromethane
Concen: 44.599 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

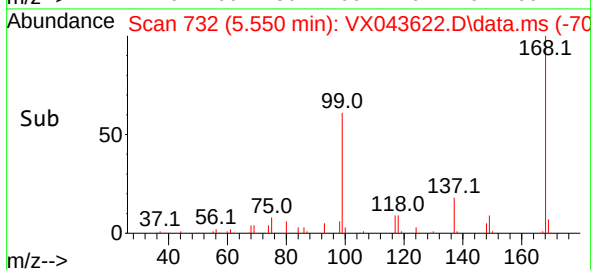
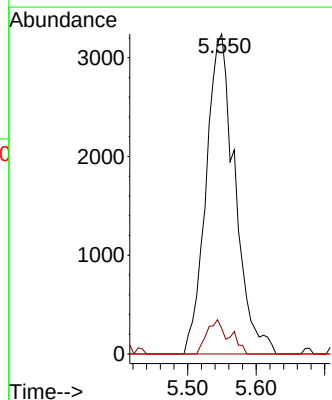
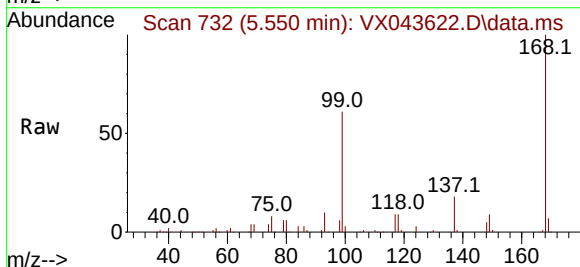
Instrument :
MSVOA_X
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PB164501TB

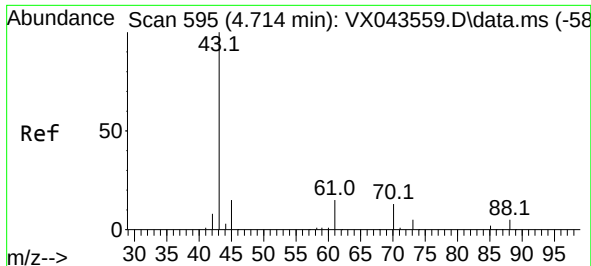
Tgt Ion:113 Resp: 71137
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 19.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 75 Resp: 9481
Ion Ratio Lower Upper
75 100
110 8.3 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.363 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

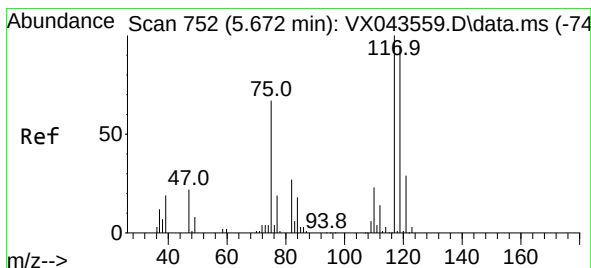
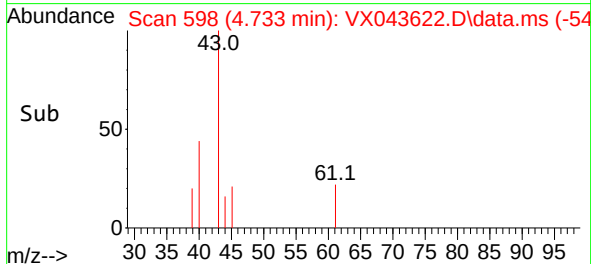
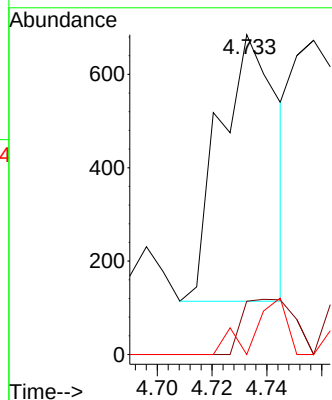
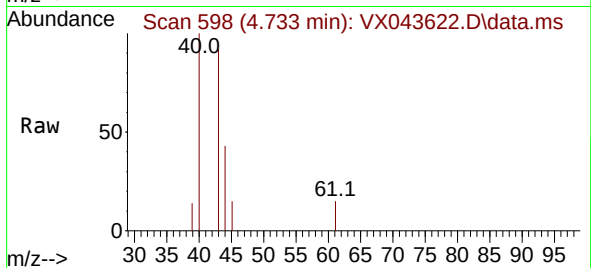
Instrument :

MSVOA_X

ClientSampleId :

PB164501TB

Tgt Ion: 43	Resp: 834
Ion Ratio	Lower Upper
43	100
61	18.6 11.0 16.6#
70	11.9 8.9 13.3



#38

Carbon Tetrachloride

Concen: 6.135 ug/l

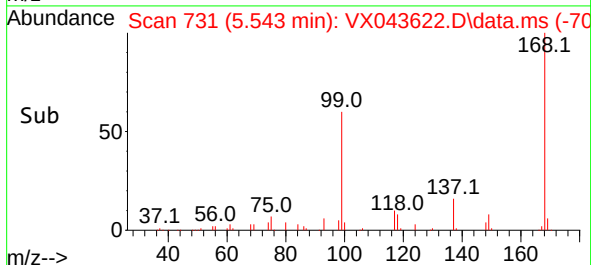
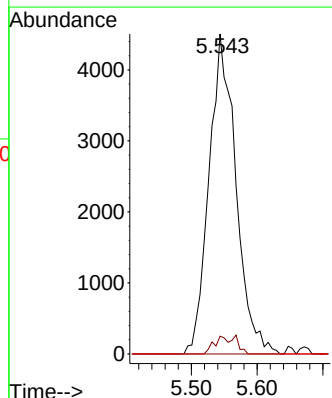
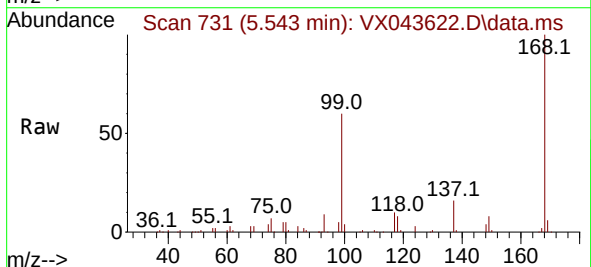
RT: 5.543 min Scan# 731

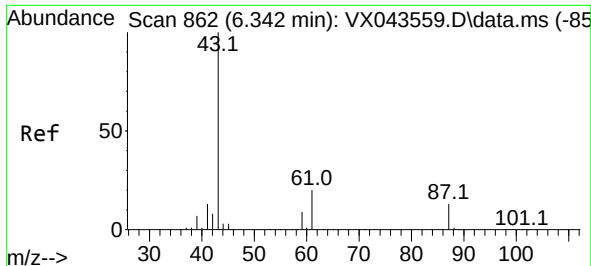
Delta R.T. -0.128 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Tgt Ion: 117	Resp: 12821
Ion Ratio	Lower Upper
117	100
119	5.6 77.0 115.6#
121	0.0 24.7 37.1#

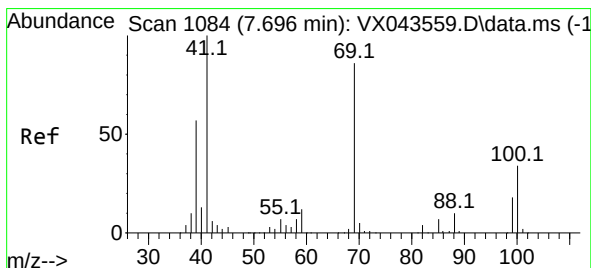
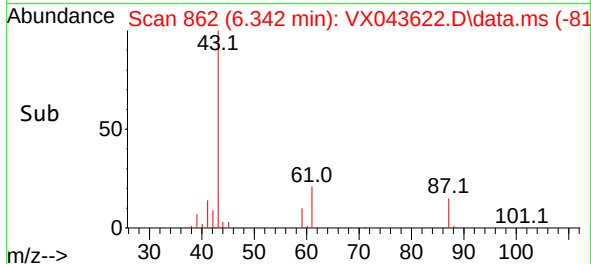
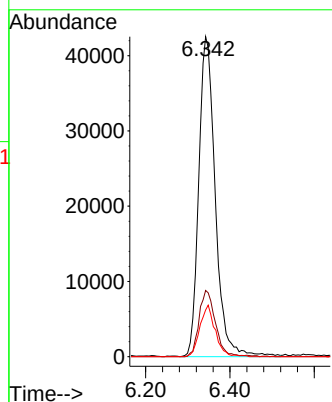
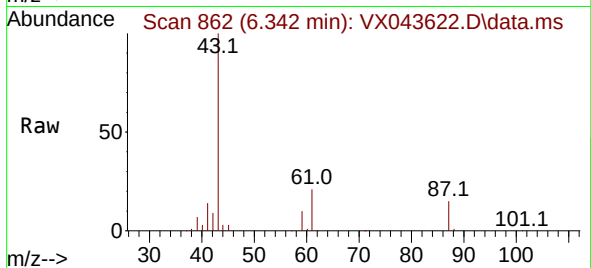




#43
Isopropyl Acetate
Concen: 30.598 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

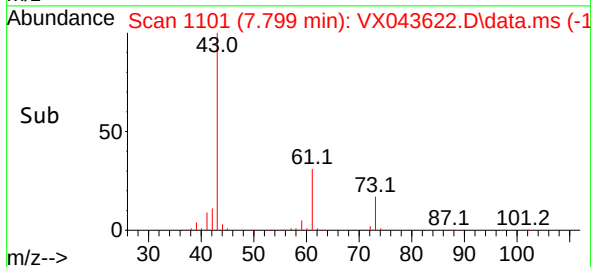
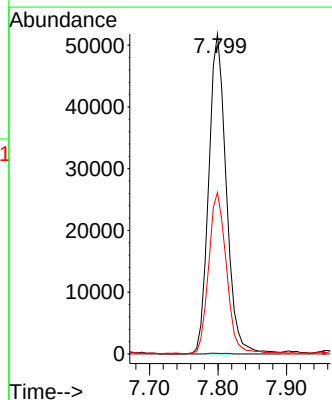
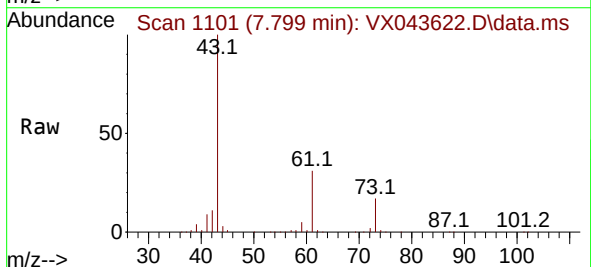
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

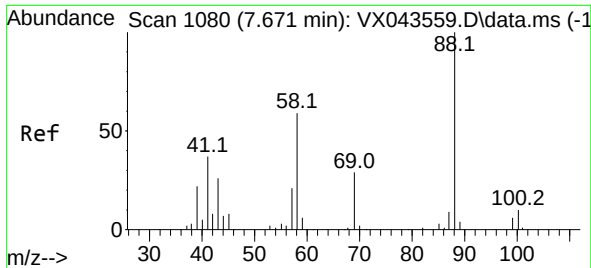
Tgt Ion: 43 Resp: 116190
Ion Ratio Lower Upper
43 100
61 20.6 16.2 24.4
87 15.0 11.0 16.6



#48
Methyl methacrylate
Concen: 51.499 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 41 Resp: 92717
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 51.0 46.3 69.5

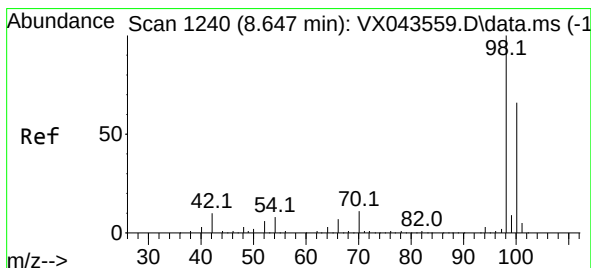
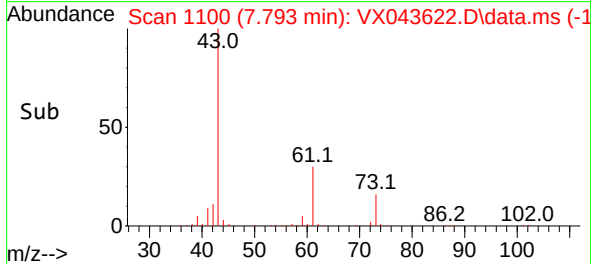
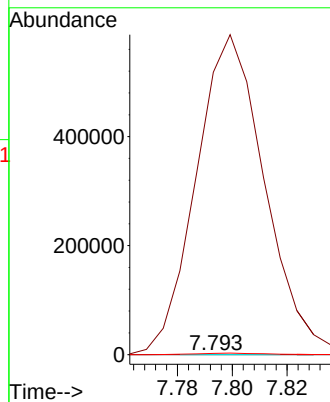
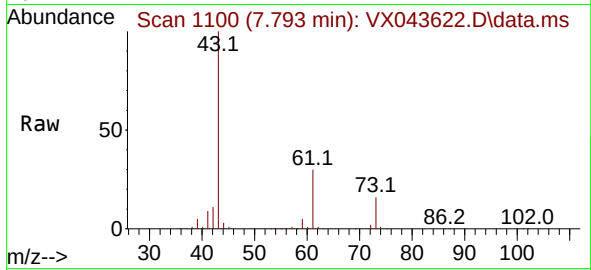




#49
1,4-Dioxane
Concen: 3.352 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

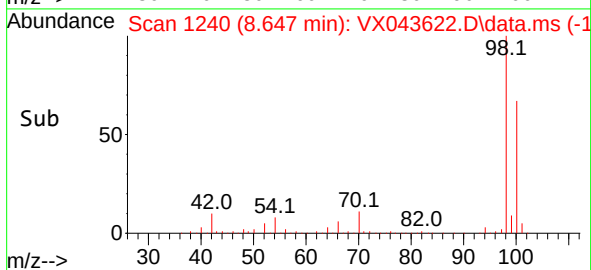
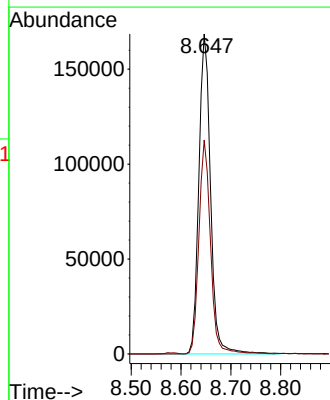
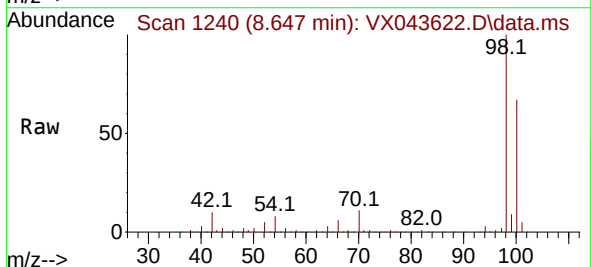
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

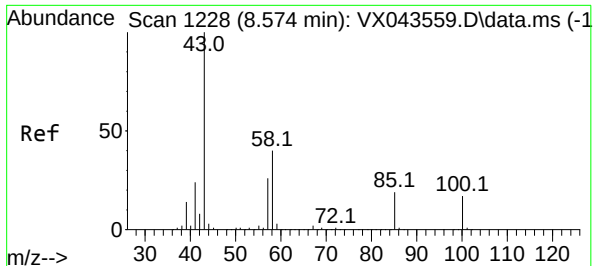
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 837529.8 25.3 37.9#
58 4110.5 53.9 80.9#



#50
Toluene-d8
Concen: 49.799 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 98 Resp: 274961
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2

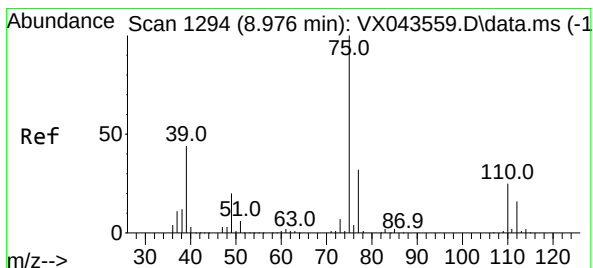
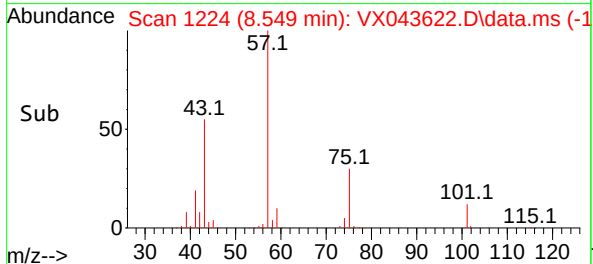
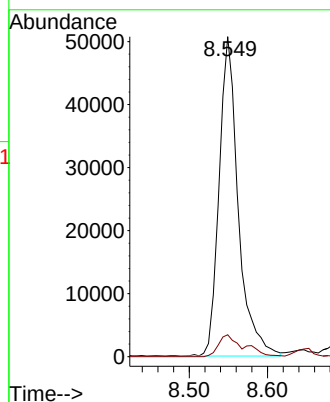
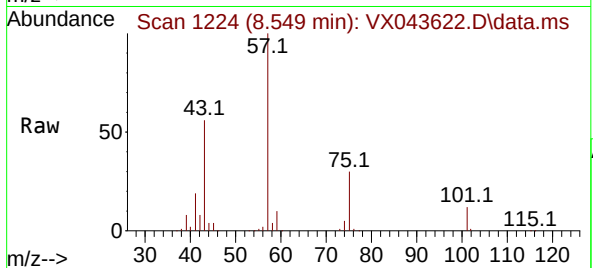




#51
4-Methyl-2-Pentanone
Concen: 37.210 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

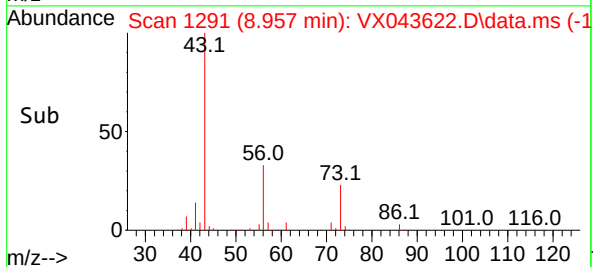
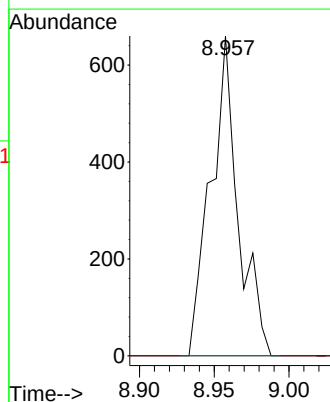
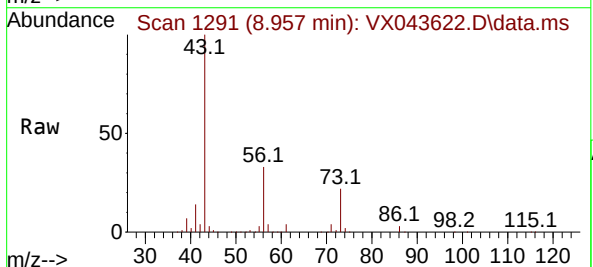
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

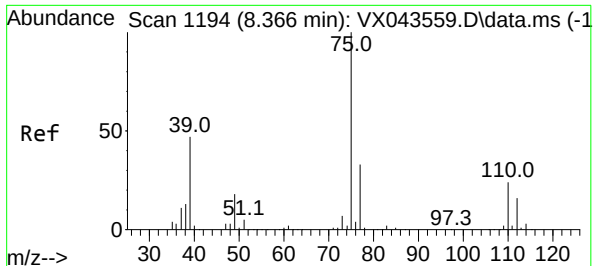
Tgt Ion: 43 Resp: 86119
Ion Ratio Lower Upper
43 100
58 9.2 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.375 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 75 Resp: 845
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#





#54

cis-1,3-Dichloropropene

Concen: 18.542 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

PB164501TB

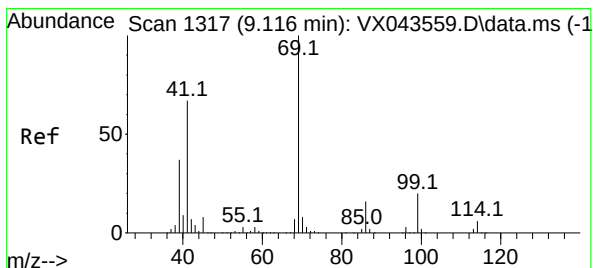
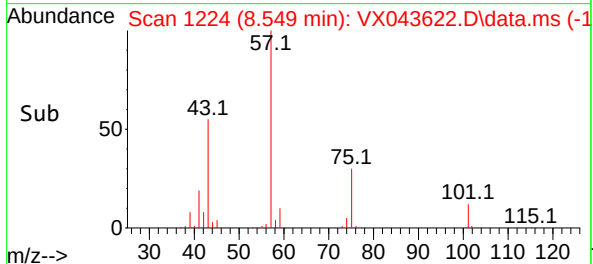
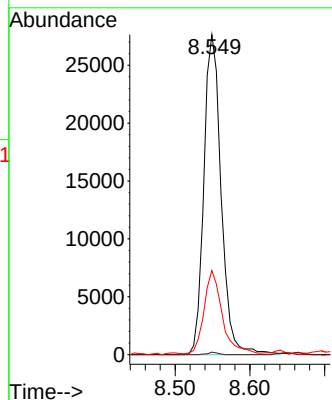
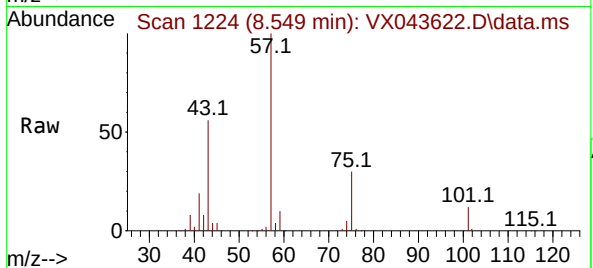
Tgt Ion: 75 Resp: 44530

Ion Ratio Lower Upper

75 100

77 0.8 24.8 37.2#

39 25.9 37.7 56.5#



#56

Ethyl methacrylate

Concen: 0.356 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

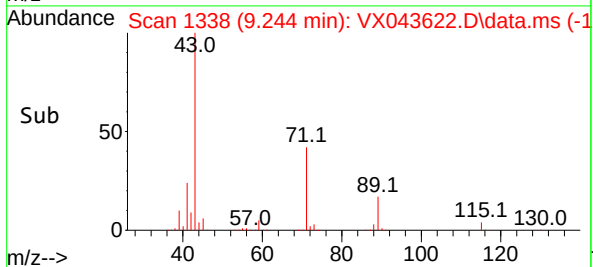
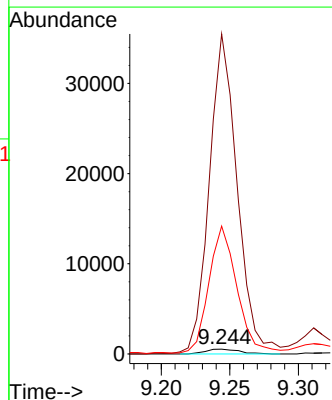
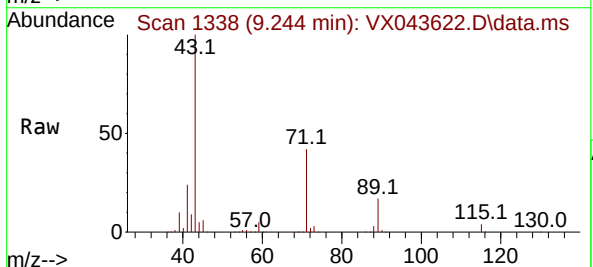
Tgt Ion: 69 Resp: 922

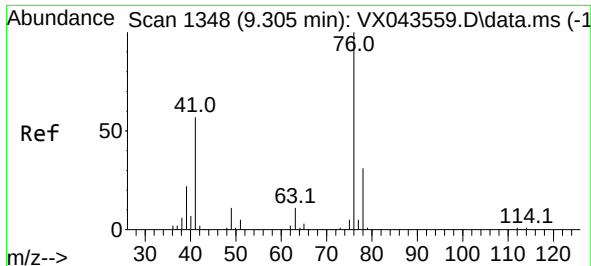
Ion Ratio Lower Upper

69 100

41 5469.0 53.8 80.8#

39 2195.2 29.9 44.9#





#57

1,3-Dichloropropane

Concen: 2.038 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043622.D

Acq: 30 Oct 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

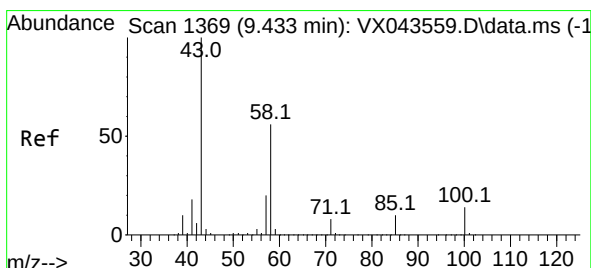
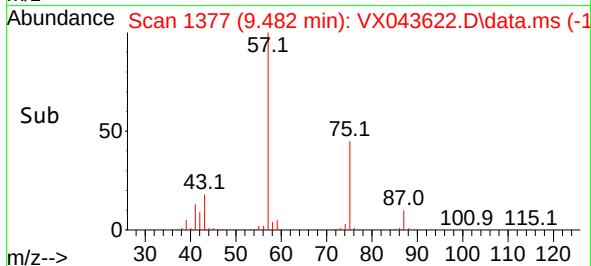
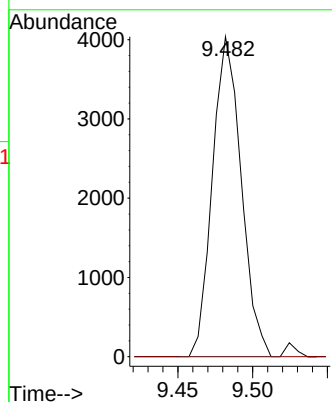
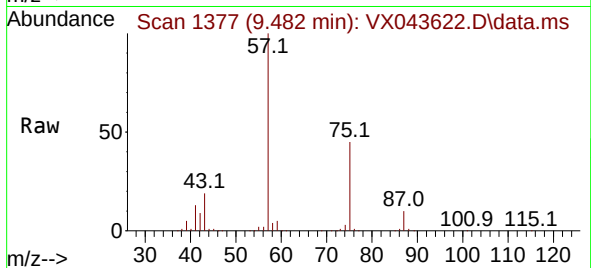
PB164501TB

Tgt Ion: 76 Resp: 5399

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 39.245 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043622.D

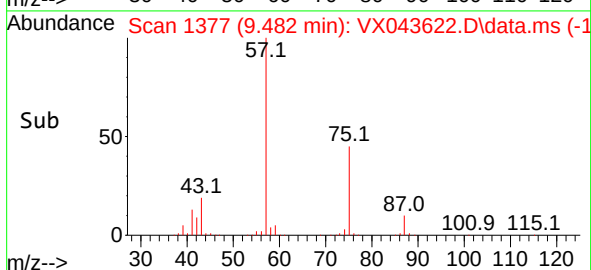
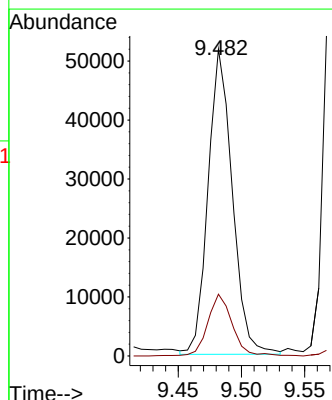
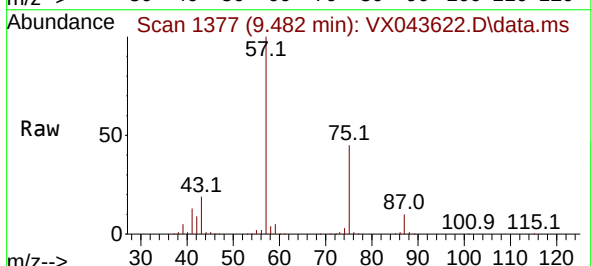
Acq: 30 Oct 2024 14:24

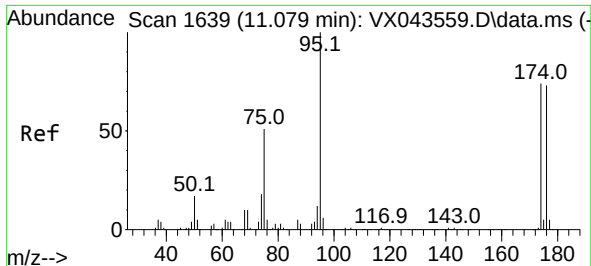
Tgt Ion: 43 Resp: 68986

Ion Ratio Lower Upper

43 100

58 20.6 27.5 82.5#

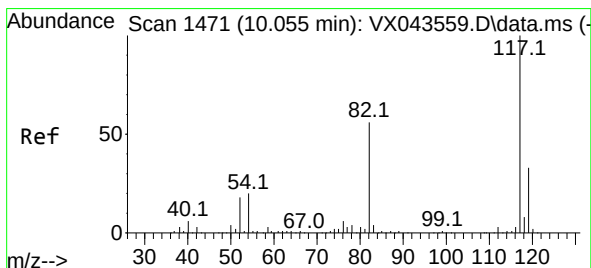
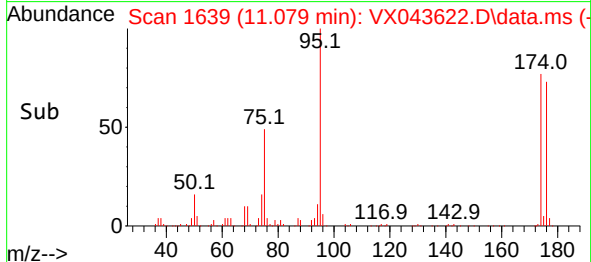
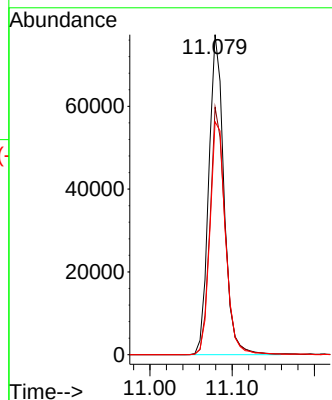
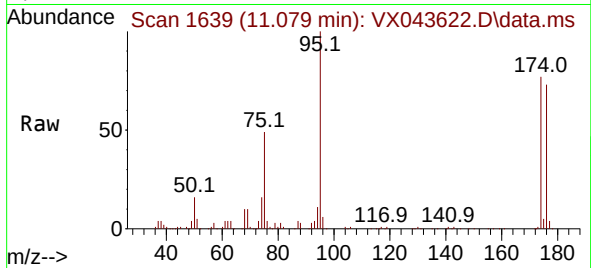




#62
4-Bromofluorobenzene
Concen: 48.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

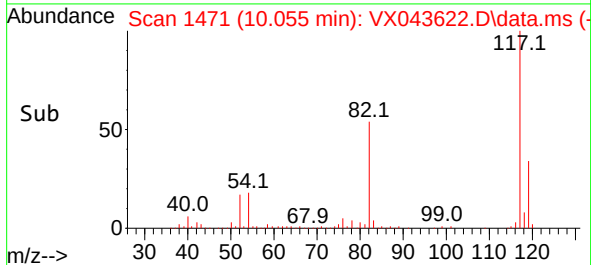
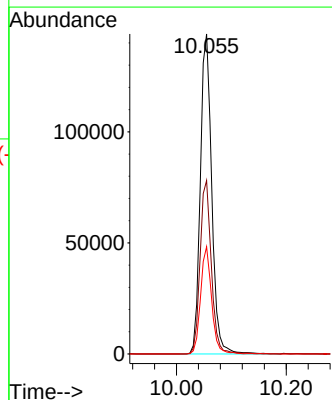
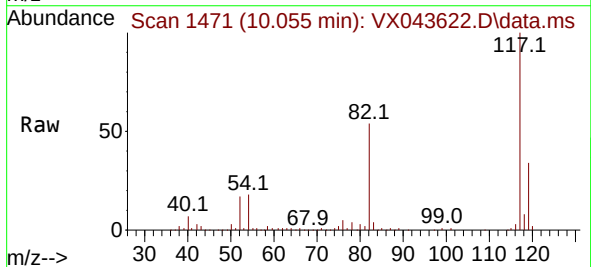
Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

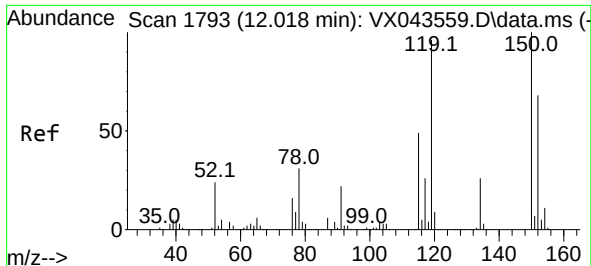
Tgt Ion: 95 Resp: 99229
Ion Ratio Lower Upper
95 100
174 76.7 0.0 146.6
176 74.9 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 117 Resp: 208331
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 33.5 25.4 38.2

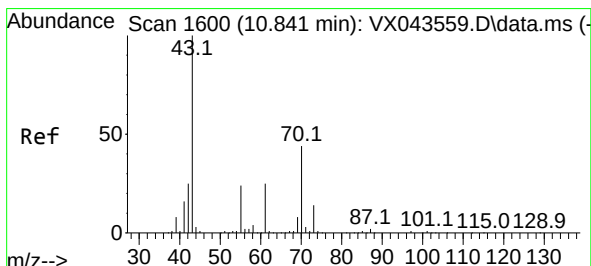
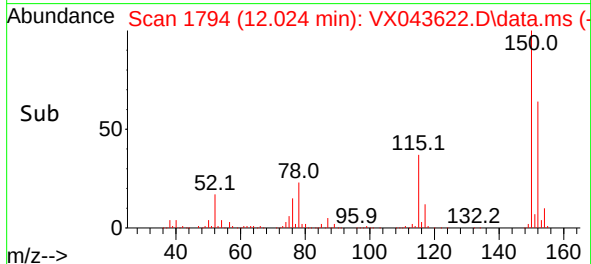
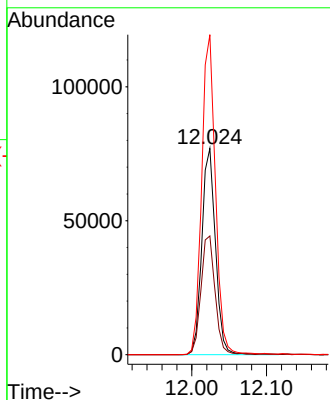
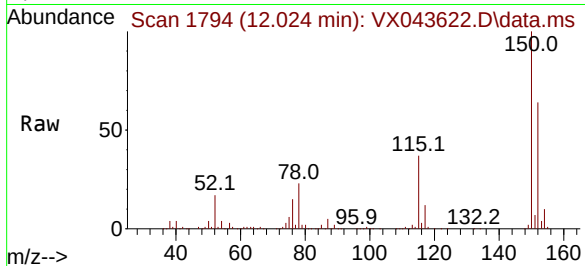




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX043622.D
 Acq: 30 Oct 2024 14:24

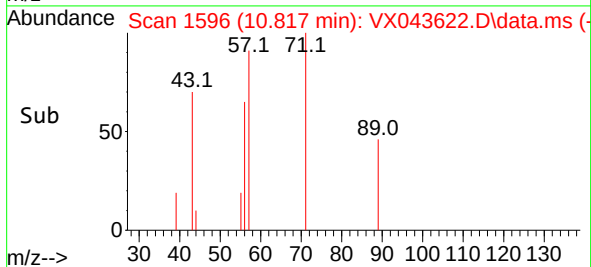
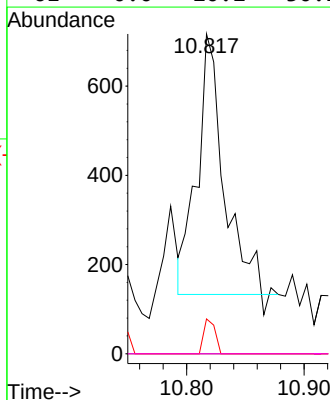
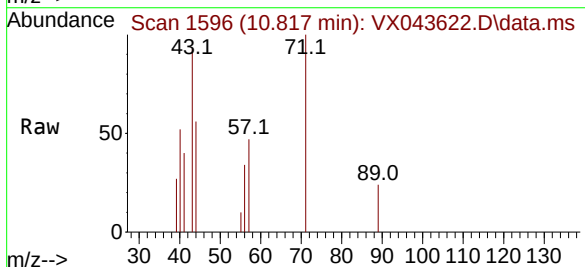
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164501TB

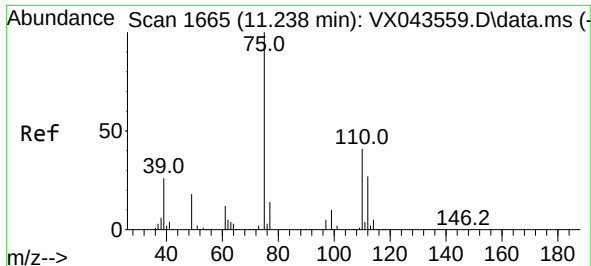
Tgt Ion:152 Resp: 97978
 Ion Ratio Lower Upper
 152 100
 115 59.6 42.9 128.7
 150 156.1 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.274 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX043622.D
 Acq: 30 Oct 2024 14:24

Tgt Ion: 43 Resp: 926
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.6 52.0#
 55 5.6 19.6 29.4#
 61 0.0 20.2 30.2#

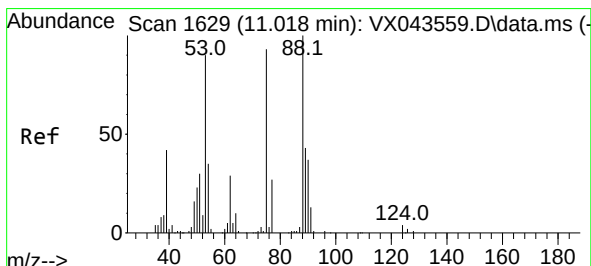
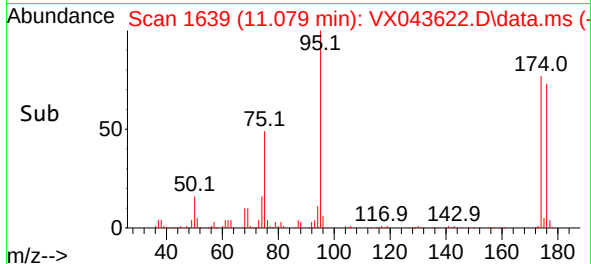
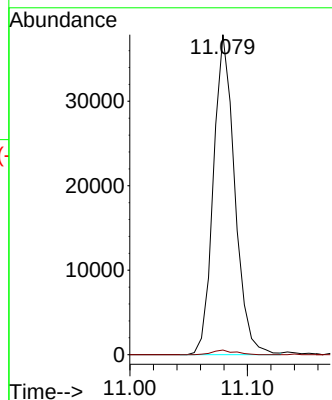
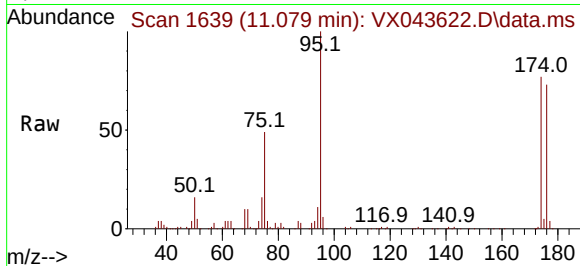




#76
1,2,3-Trichloropropane
Concen: 22.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Instrument :
MSVOA_X
ClientSampleId :
PB164501TB

Tgt Ion: 75 Resp: 47839
Ion Ratio Lower Upper
75 100
77 1.5 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.822 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043622.D
Acq: 30 Oct 2024 14:24

Tgt Ion: 75 Resp: 47839
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#

