

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032703.D
 Acq On : 10 Nov 2022 03:45
 Operator : JC/MD
 Sample : PB148908TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

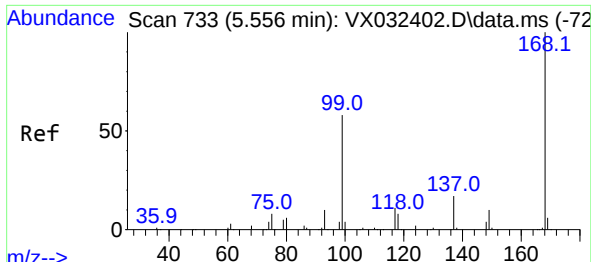
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148908TB

Quant Time: Nov 10 05:20:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	130256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92246	50.968	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.940%			
35) Dibromofluoromethane	5.385	113	71973	46.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.140%			
50) Toluene-d8	8.647	98	267717	49.812	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.620%			
62) 4-Bromofluorobenzene	11.079	95	106360	50.662	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	411	0.323	ug/l #	43
5) Bromomethane	1.624	94	279	0.250	ug/l	87
6) Chloroethane	1.672	64	279	0.297	ug/l #	42
10) Methyl Iodide	2.459	142	147	2.007	ug/l #	73
11) Tert butyl alcohol	2.947	59	2806	10.652	ug/l #	72
16) Acetone	2.386	43	7930	12.055	ug/l #	88
17) Carbon Disulfide	2.508	76	684	0.220	ug/l #	74
18) Methyl Acetate	2.703	43	1080	0.505	ug/l #	85
20) Methylene Chloride	2.788	84	4924	3.265	ug/l	92
25) 2-Butanone	4.580	43	1093	1.072	ug/l	93
29) Tetrahydrofuran	5.038	42	303	0.466	ug/l #	57
31) Cyclohexane	5.550	56	2962	1.350	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10276	4.774	ug/l #	50
37) Ethyl Acetate	4.715	43	16352	7.299	ug/l	98
38) Carbon Tetrachloride	5.550	117	13849	5.801	ug/l #	15
43) Isopropyl Acetate	6.342	43	73399	21.337	ug/l	99
48) Methyl methacrylate	7.799	41	71144	40.045	ug/l #	44
49) 1,4-Dioxane	7.793	88	20	0.591	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65004	30.001	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	555	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28110	11.334	ug/l #	61
56) Ethyl methacrylate	9.244	69	624	0.259	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3844	1.422	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.257	63	268	0.231	ug/l #	46
59) 2-Hexanone	9.482	43	53872	33.508	ug/l #	51
74) N-amyl acetate	10.817	43	983	0.345	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	57486	27.115	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	57486	86.280	ug/l #	6
94) Hexachlorobutadiene	13.725	225	362	0.386	ug/l	91

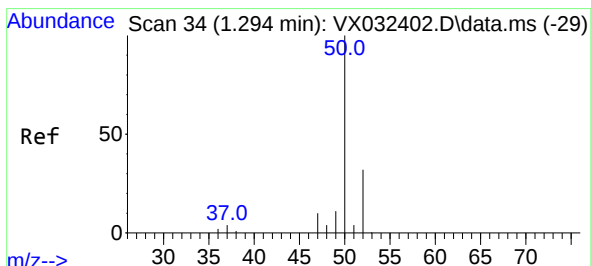
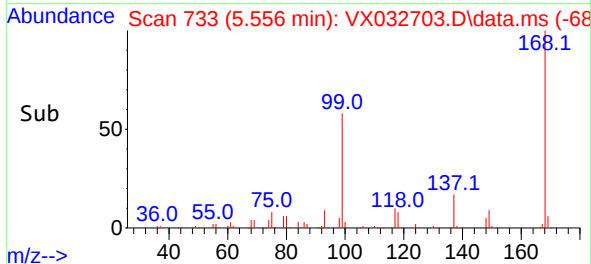
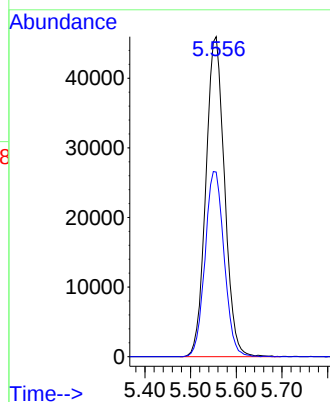
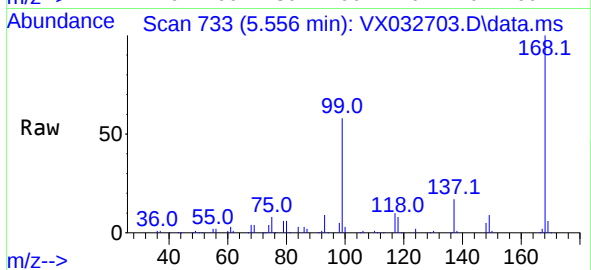
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

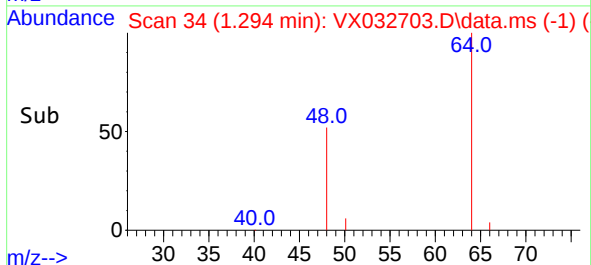
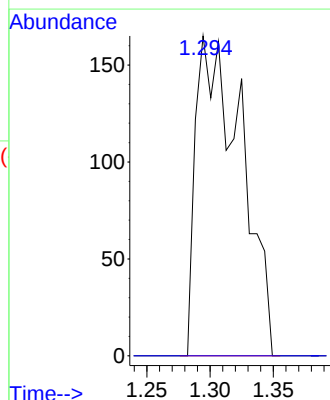
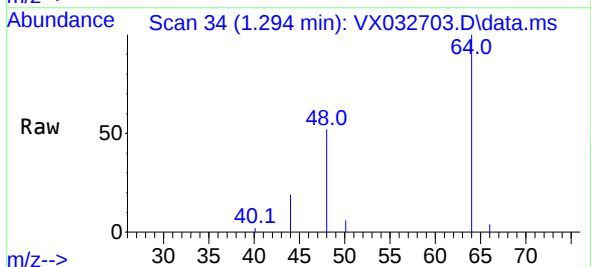
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

Tgt Ion:168 Resp: 130256
Ion Ratio Lower Upper
168 100
99 57.7 46.1 69.1

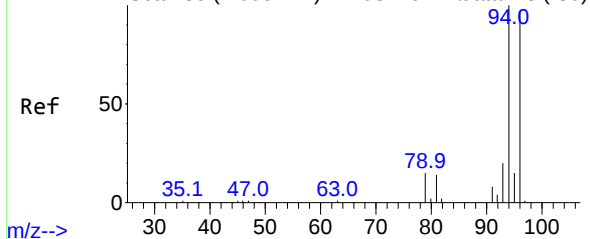


#3
Chloromethane
Concen: 0.323 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



Abundance Scan 85 (1.605 min): VX032402.D\data.ms (-80)



#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.624 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB

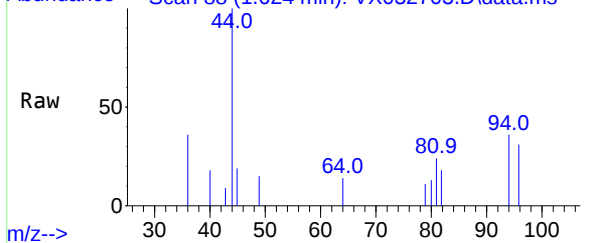
Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

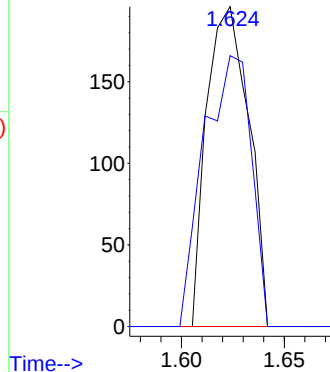
94 100

96 84.7 77.6 116.4

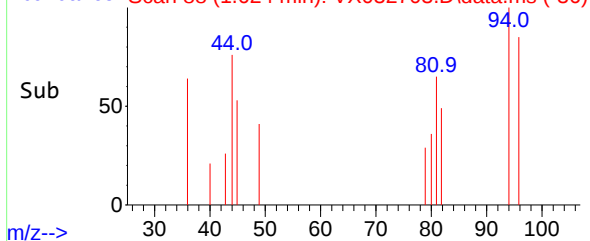
Abundance Scan 88 (1.624 min): VX032703.D\data.ms



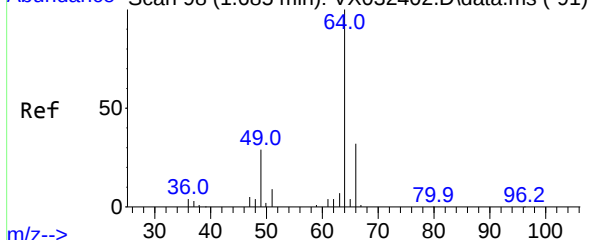
Abundance



Abundance Scan 88 (1.624 min): VX032703.D\data.ms (-36)



Abundance Scan 98 (1.685 min): VX032402.D\data.ms (-91)



#6

Chloroethane

Concen: 0.297 ug/l

RT: 1.672 min Scan# 96

Delta R.T. -0.012 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

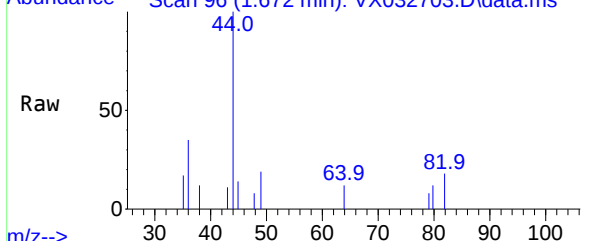
Tgt Ion: 64 Resp: 279

Ion Ratio Lower Upper

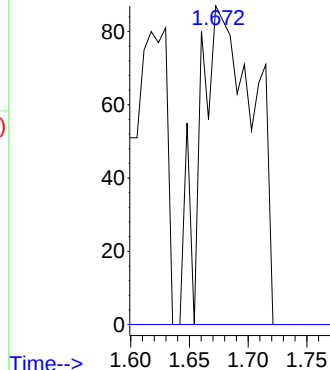
64 100

66 0.0 26.0 39.0#

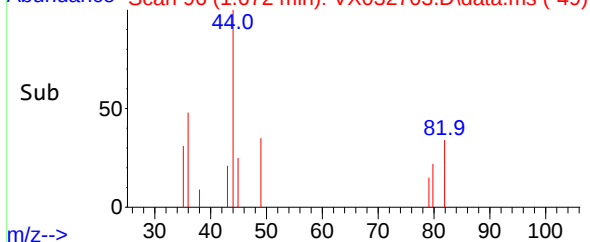
Abundance Scan 96 (1.672 min): VX032703.D\data.ms

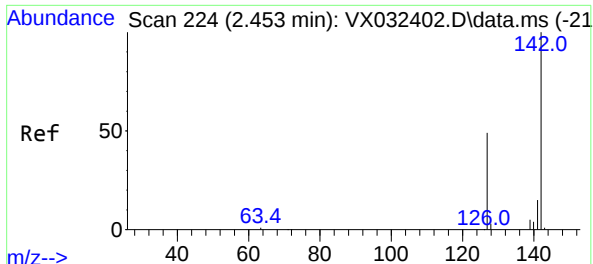


Abundance



Abundance Scan 96 (1.672 min): VX032703.D\data.ms (-49)

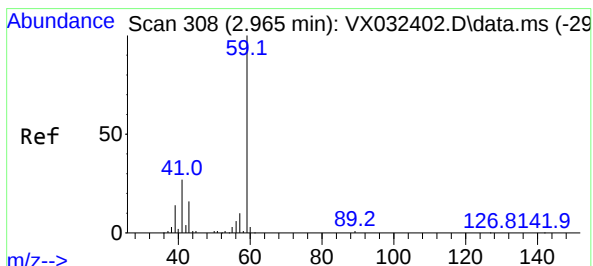
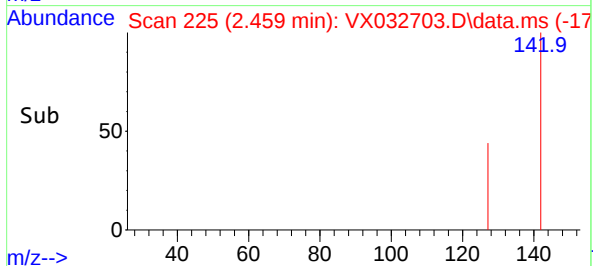
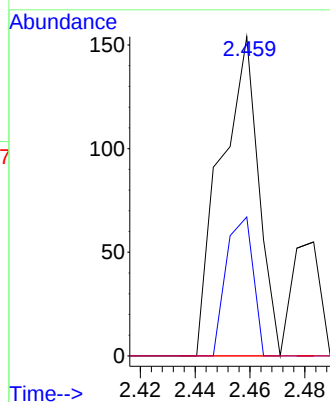
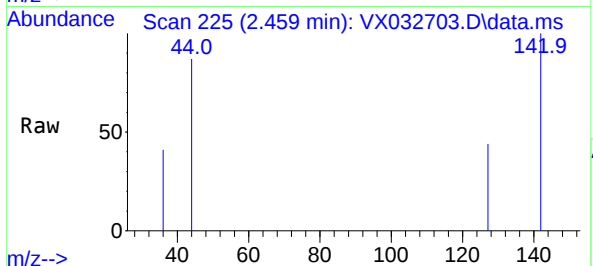




#10
Methyl Iodide
Concen: 2.007 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

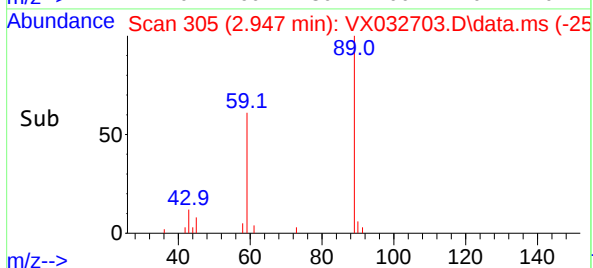
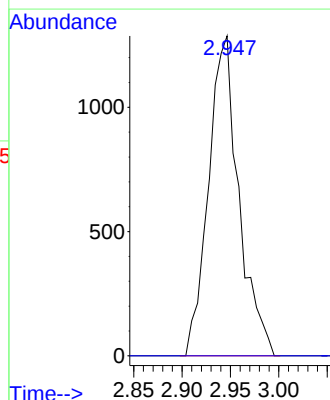
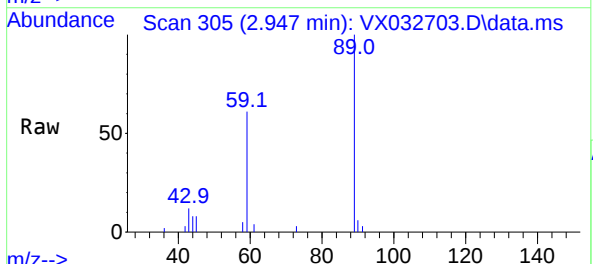
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

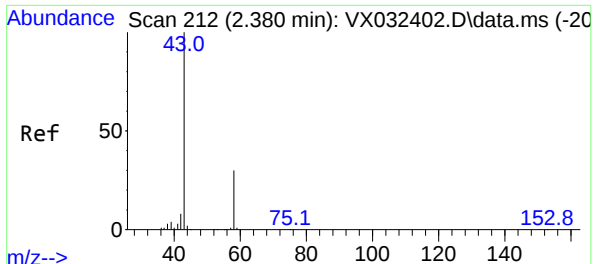
Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 31.3 38.6 57.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.652 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 59 Resp: 2806
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

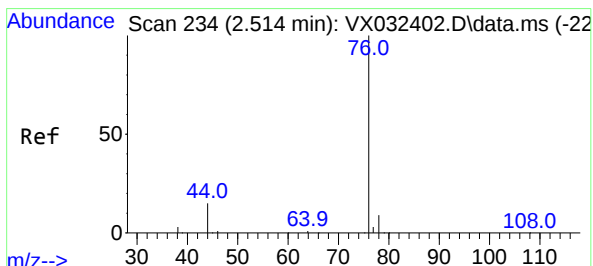
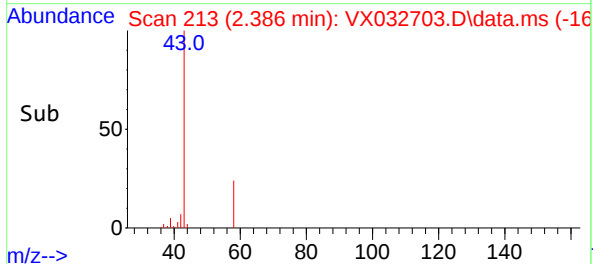
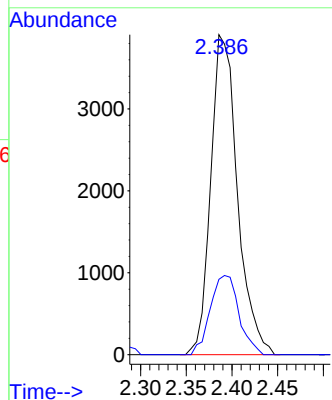
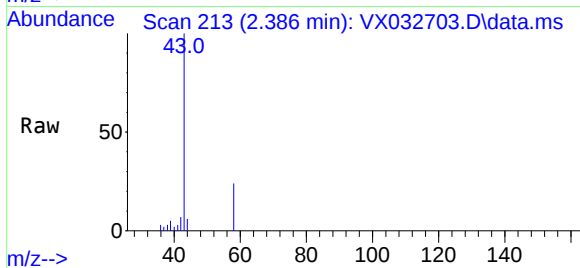




#16
Acetone
Concen: 12.055 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

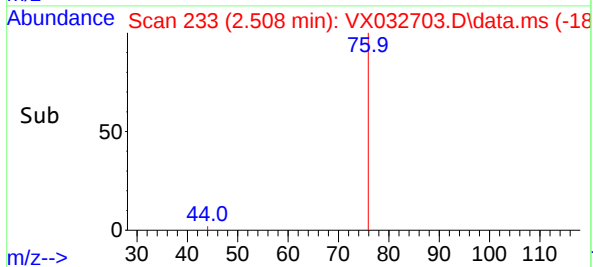
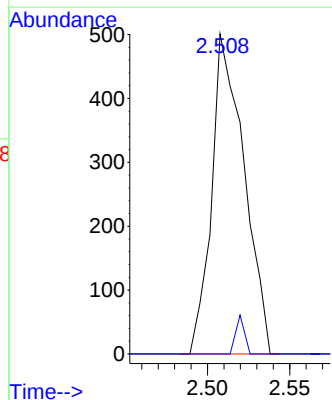
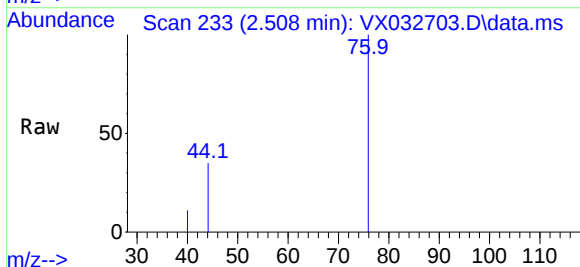
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

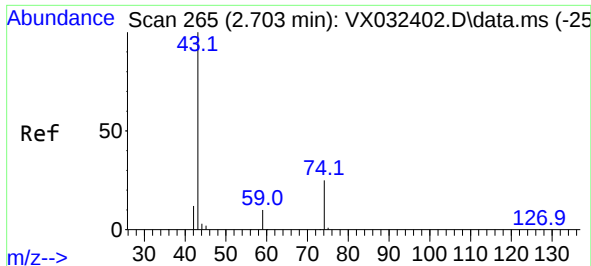
Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
58 23.6 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 76 Resp: 684
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

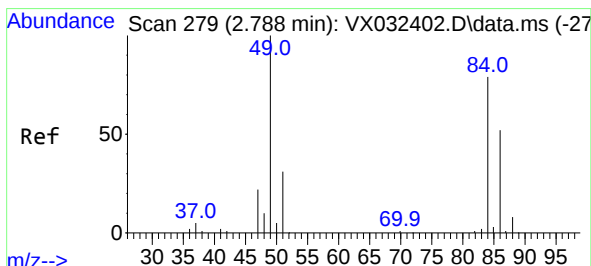
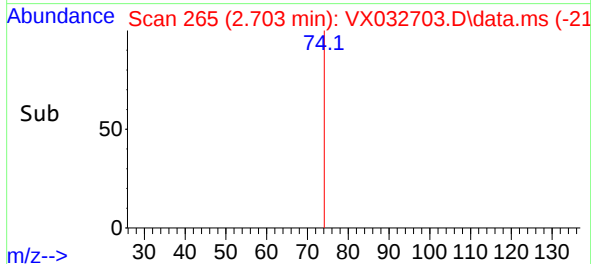
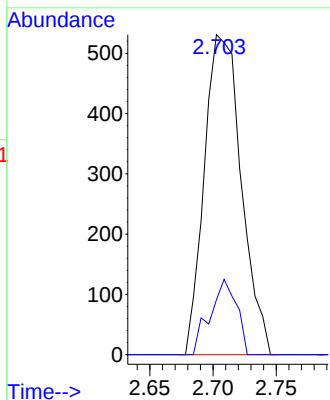
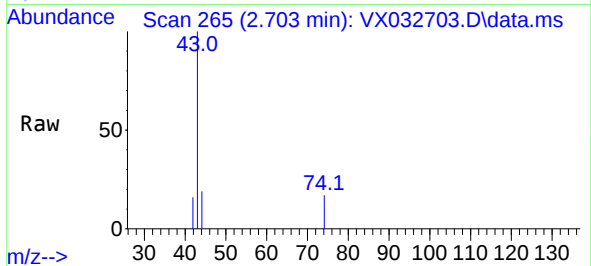




#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

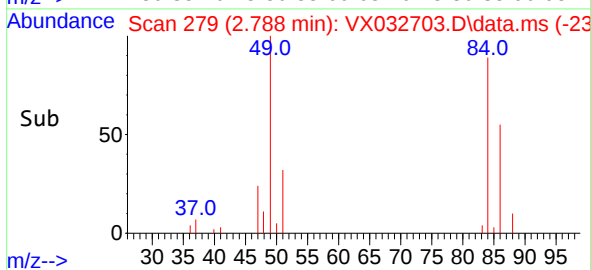
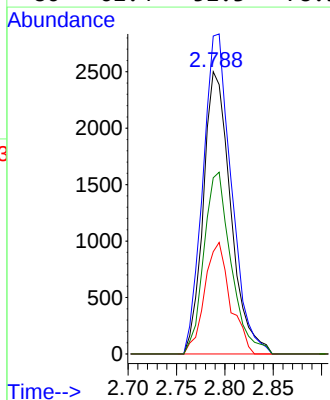
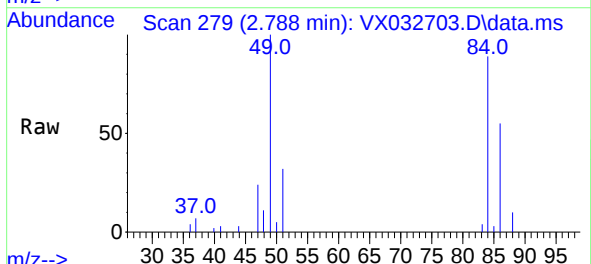
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ClientSampleId :
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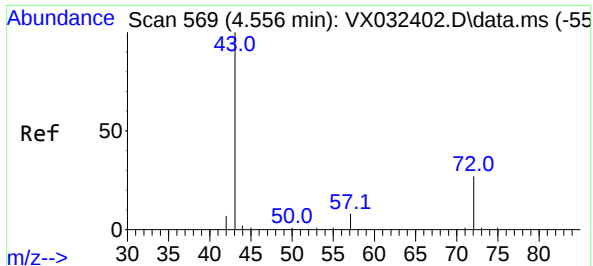
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
74 16.9 19.4 29.0#



#20
Methylene Chloride
Concen: 3.265 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 84 Resp: 4924
Ion Ratio Lower Upper
84 100
49 112.6 101.0 151.6
51 36.2 31.1 46.7
86 62.4 52.3 78.5

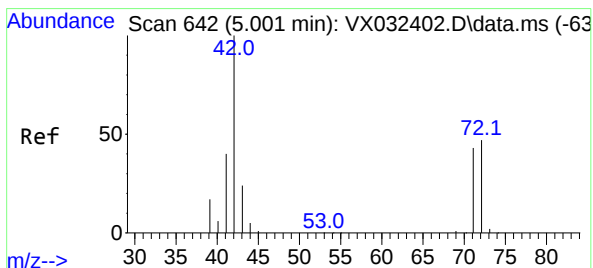
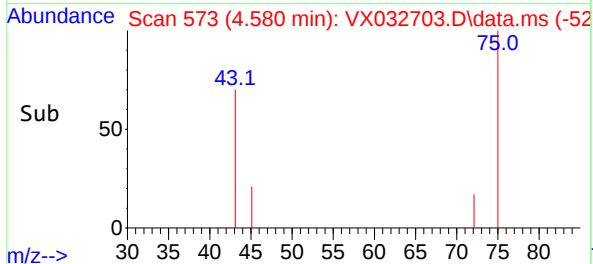
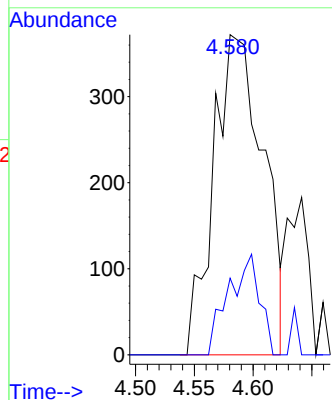
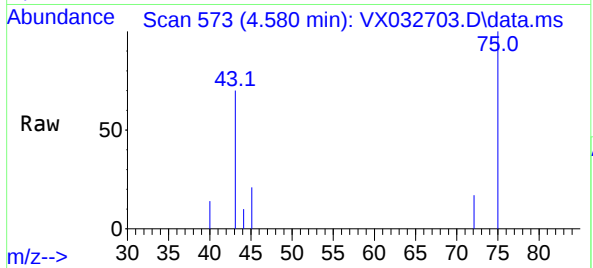




#25
2-Butanone
Concen: 1.072 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

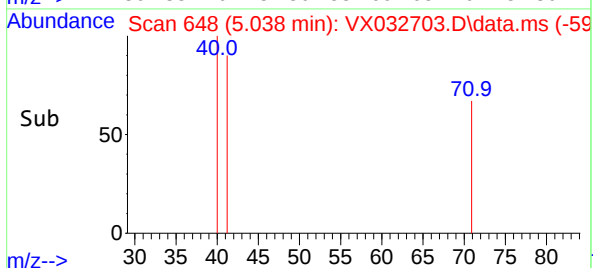
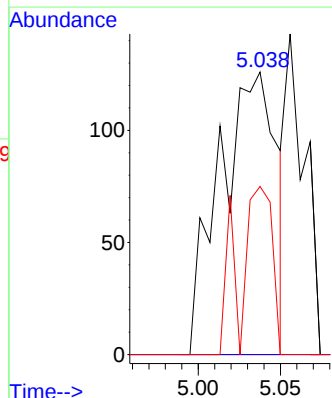
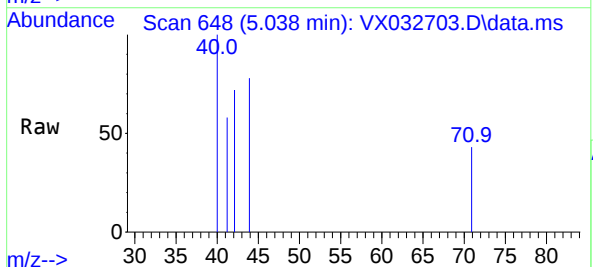
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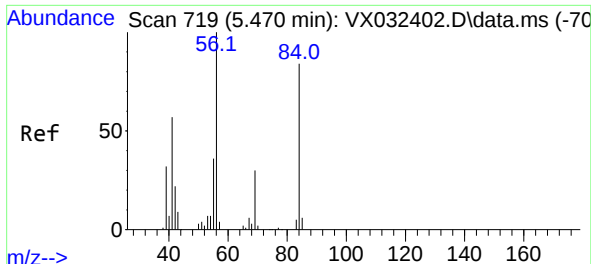
Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
72 23.9 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.466 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 34.3 34.7 52.1#

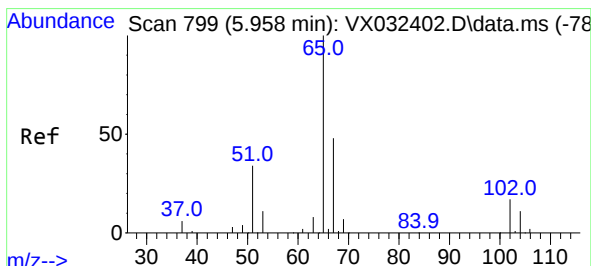
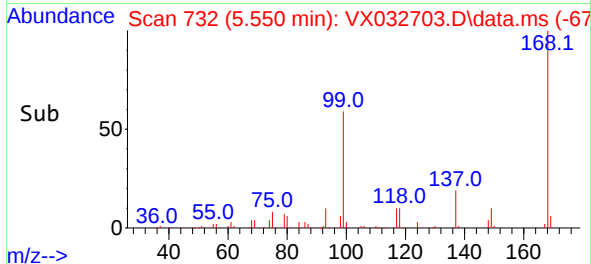
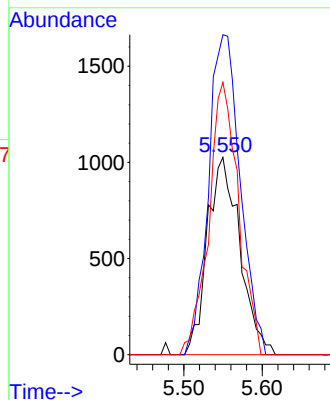
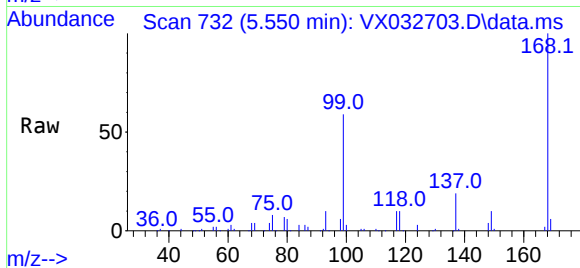




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

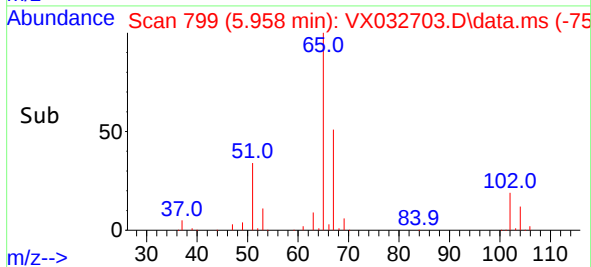
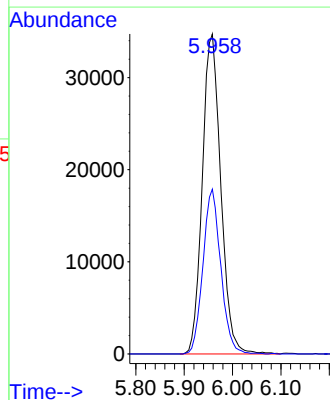
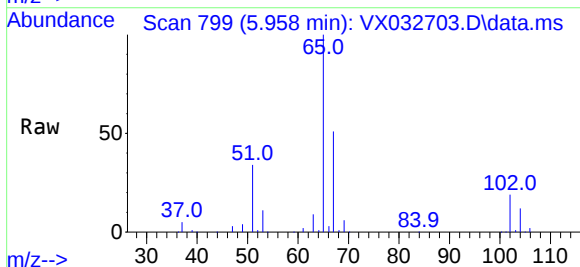
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

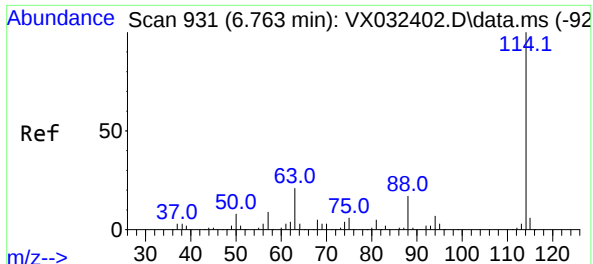
Tgt Ion: 56 Resp: 2962
Ion Ratio Lower Upper
56 100
69 162.2 24.1 36.1#
84 138.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.968 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 65 Resp: 92246
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB

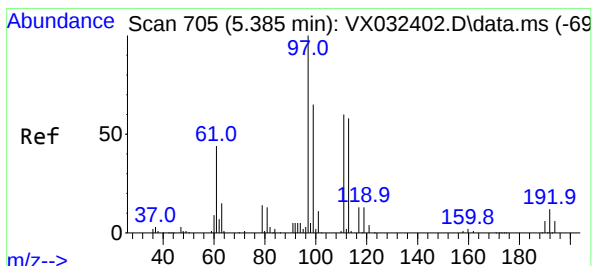
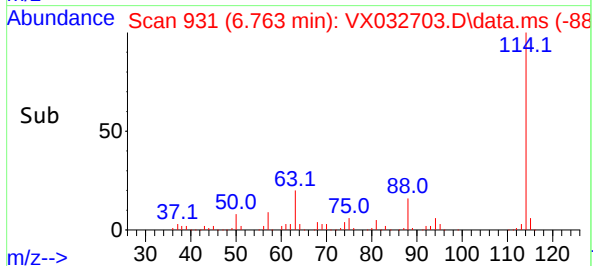
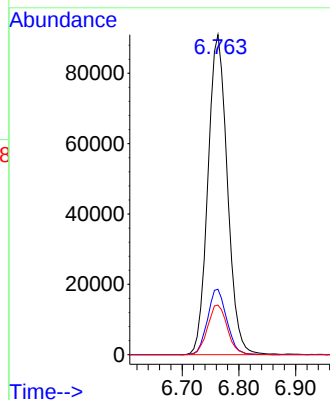
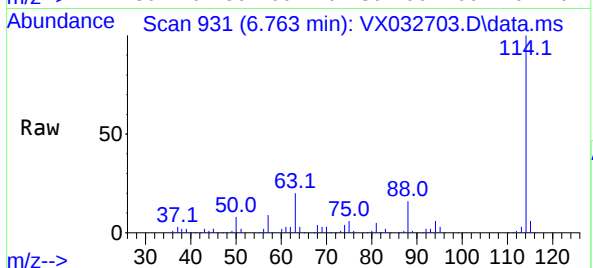
Tgt Ion:114 Resp: 216686

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

88 15.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.565 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

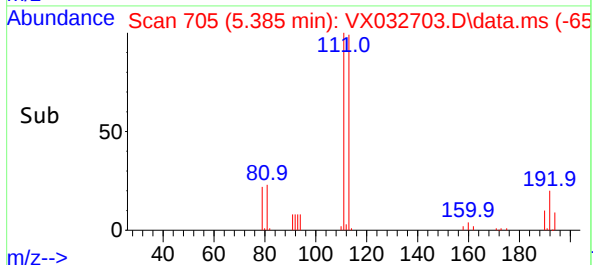
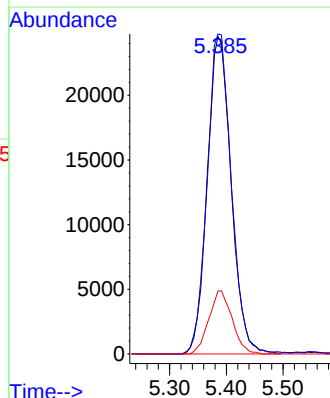
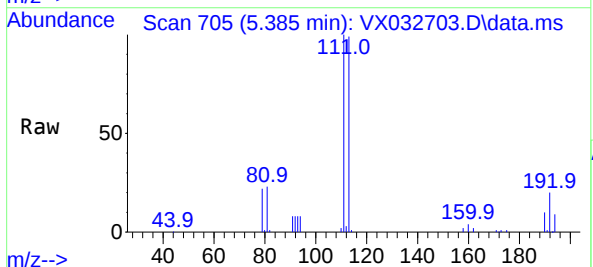
Tgt Ion:113 Resp: 71973

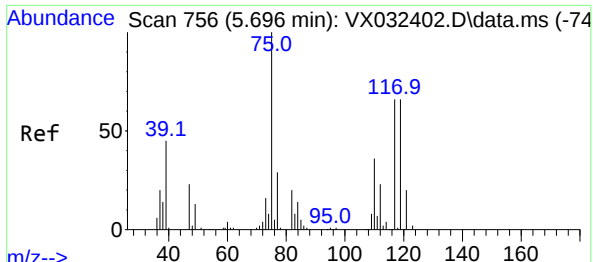
Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

192 19.4 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB

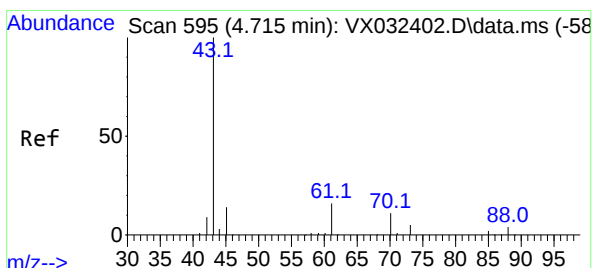
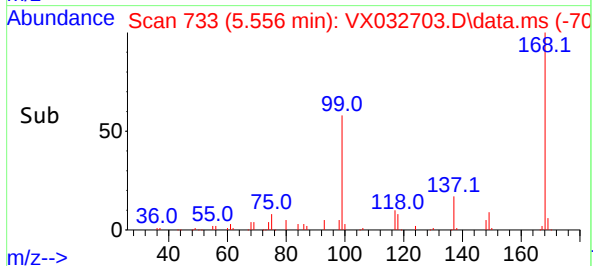
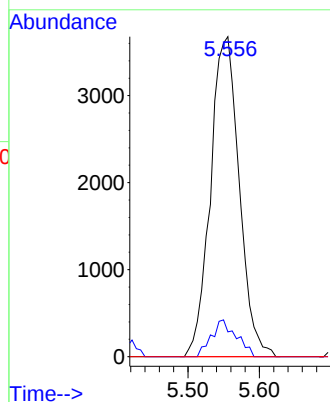
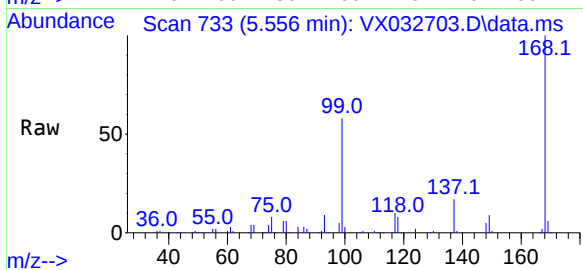
Tgt Ion: 75 Resp: 10276

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.299 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

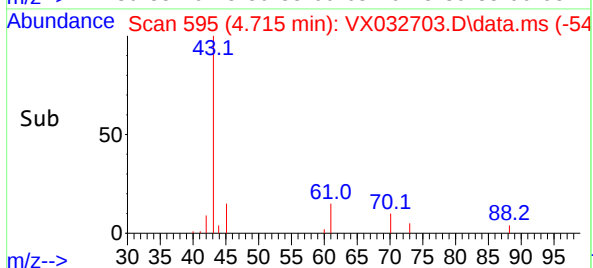
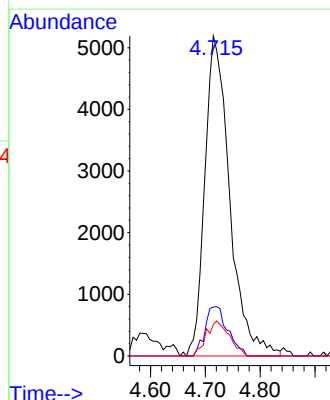
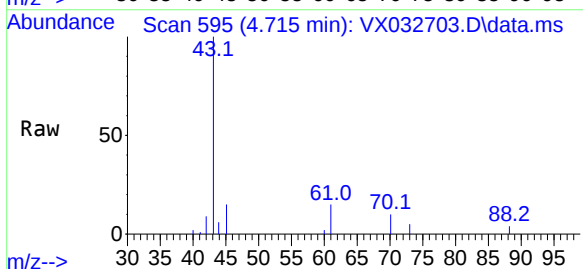
Tgt Ion: 43 Resp: 16352

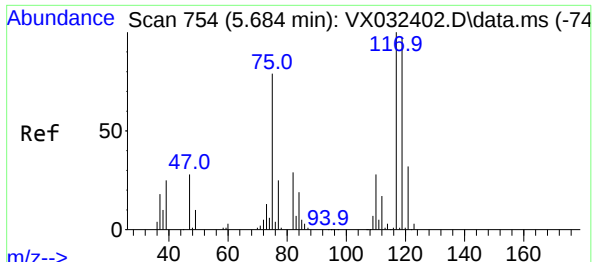
Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

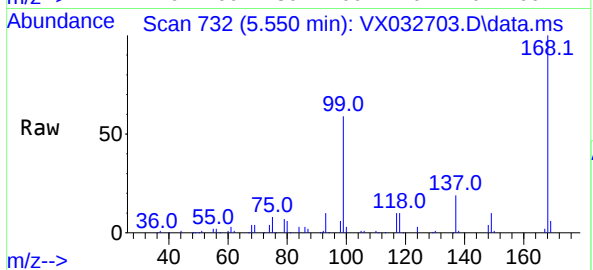
70 10.1 9.1 13.7



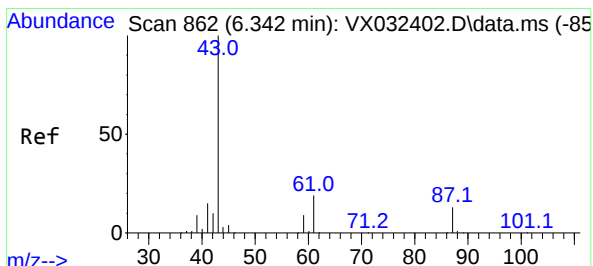
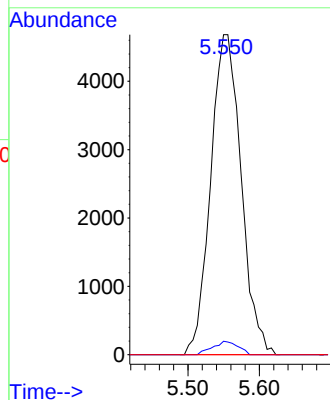
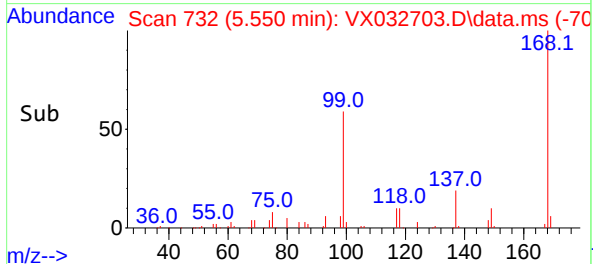


#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

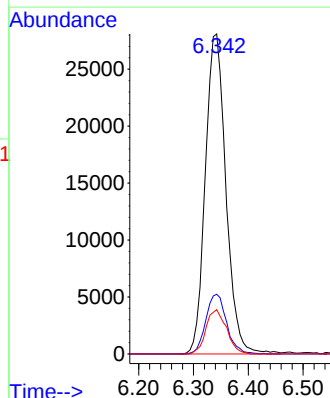
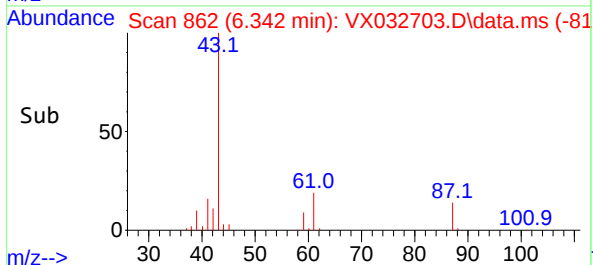
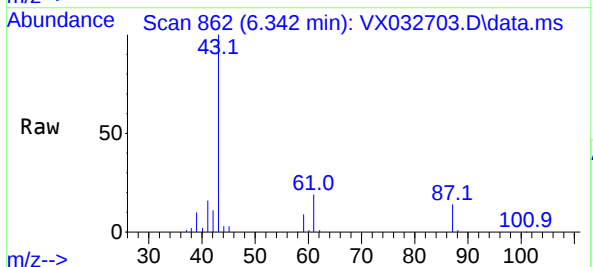


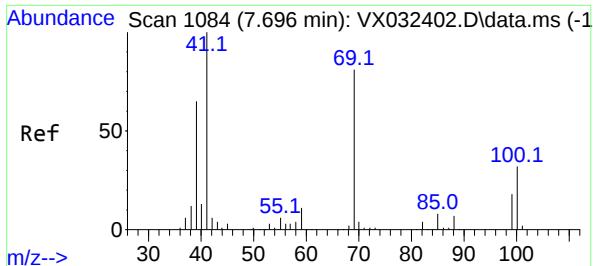
Tgt Ion:117 Resp: 13849
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 21.337 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 43 Resp: 73399
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 13.8 10.8 16.2





#48

Methyl methacrylate

Concen: 40.045 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB

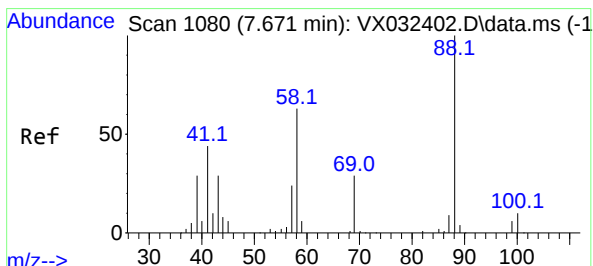
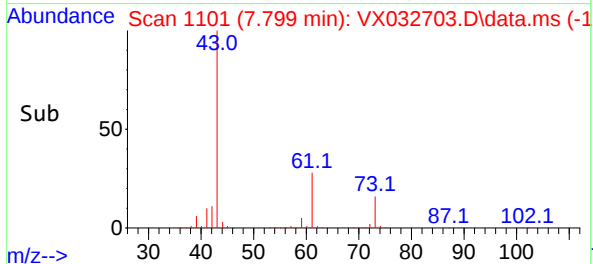
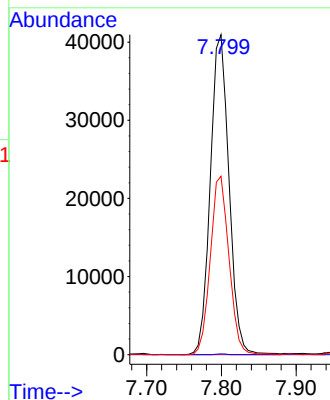
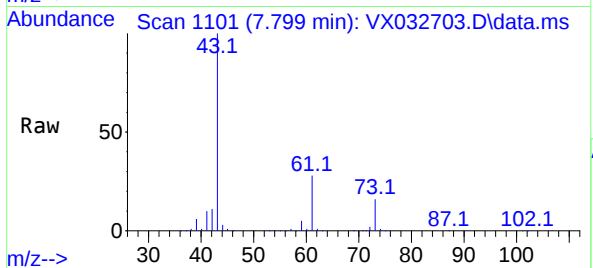
Tgt Ion: 41 Resp: 71144

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 55.7 51.9 77.9



#49

1,4-Dioxane

Concen: 0.591 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

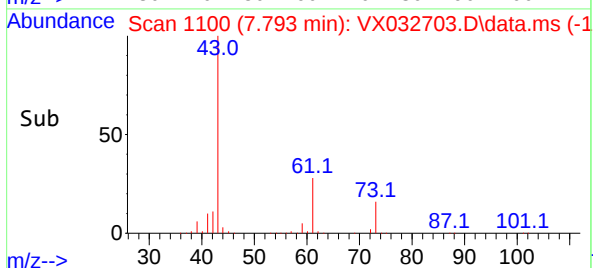
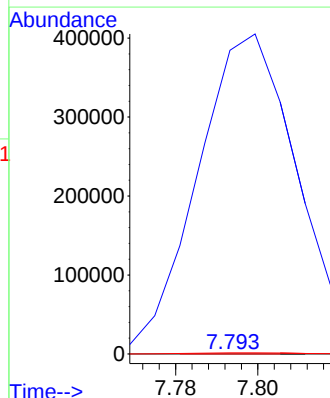
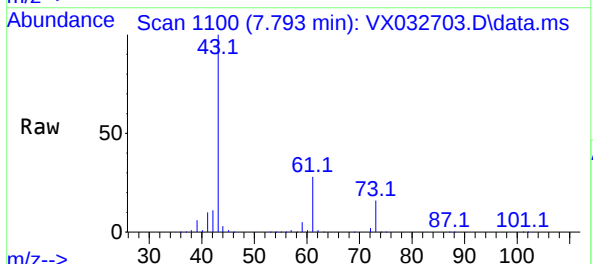
Tgt Ion: 88 Resp: 20

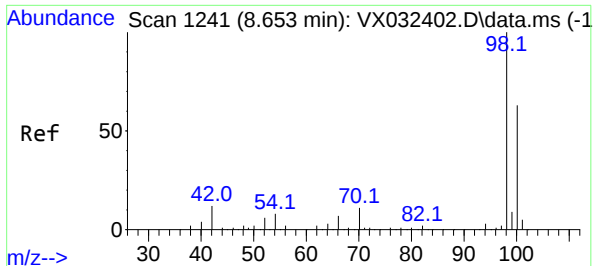
Ion Ratio Lower Upper

88 100

43 3502930.0 26.6 39.8#

58 13400.0 51.7 77.5#





#50

Toluene-d8

Concen: 49.812 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

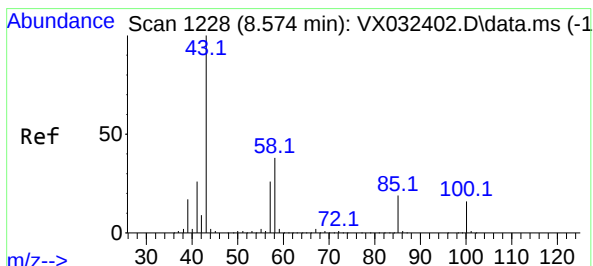
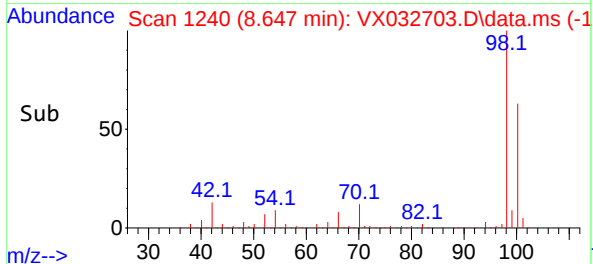
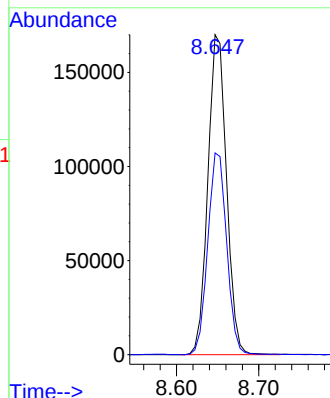
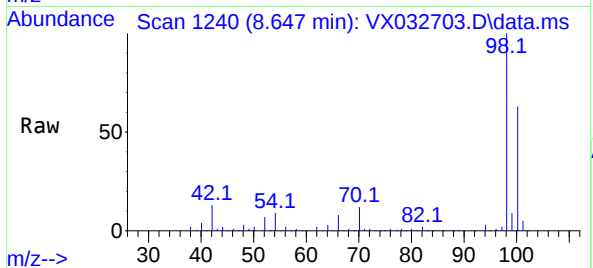
PB148908TB

Tgt Ion: 98 Resp: 267717

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 30.001 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX032703.D

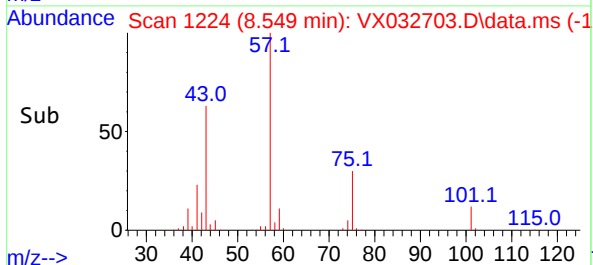
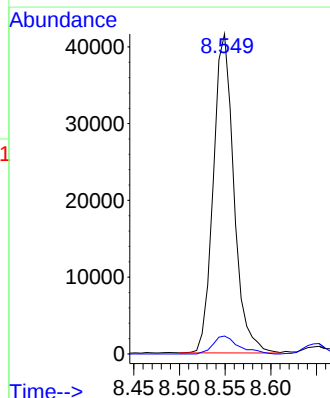
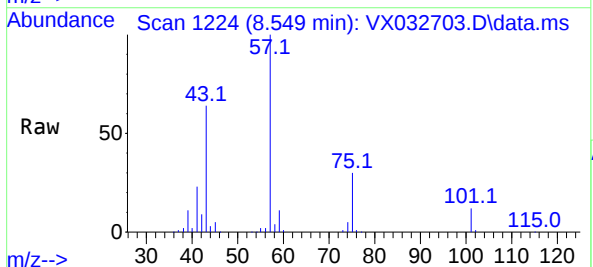
Acq: 10 Nov 2022 03:45

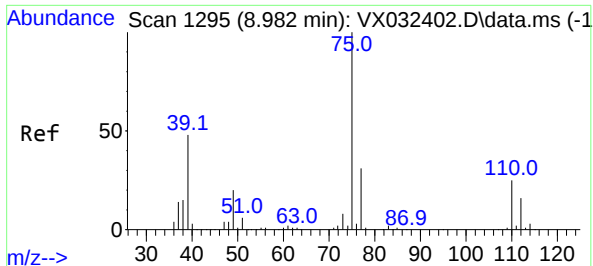
Tgt Ion: 43 Resp: 65004

Ion Ratio Lower Upper

43 100

58 7.0 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 0.239 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

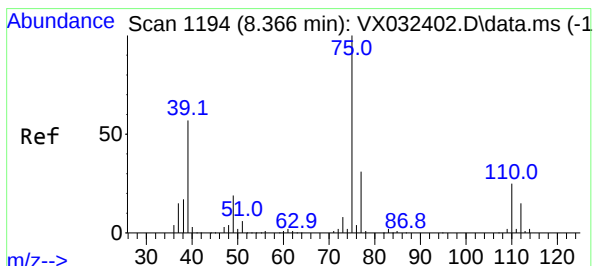
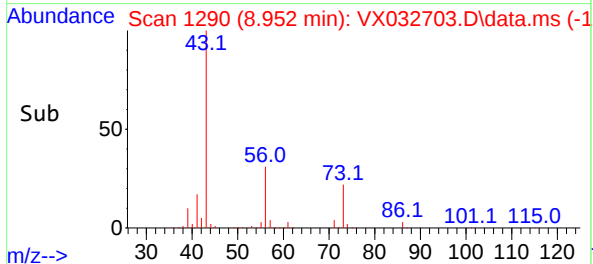
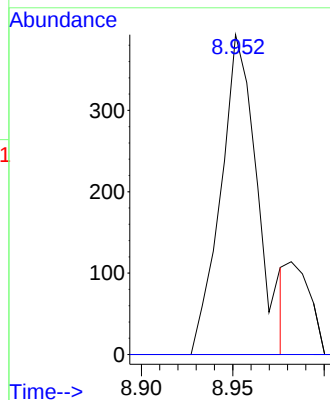
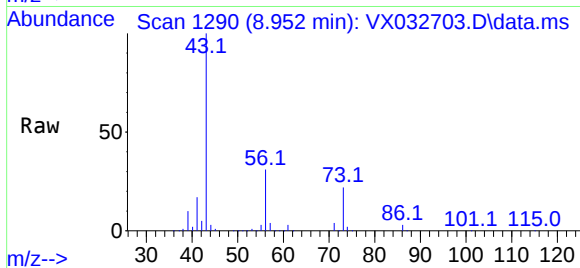
PB148908TB

Tgt Ion: 75 Resp: 555

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 11.334 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

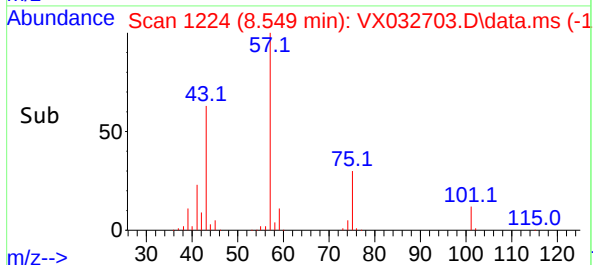
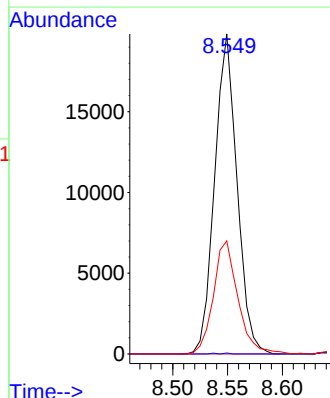
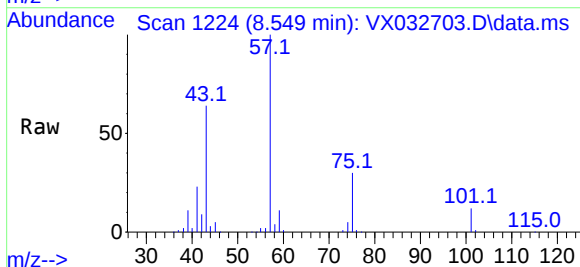
Tgt Ion: 75 Resp: 28110

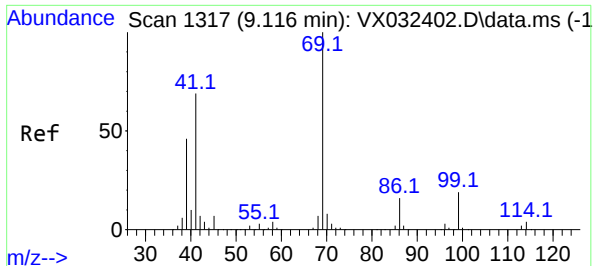
Ion Ratio Lower Upper

75 100

77 0.3 25.1 37.7#

39 35.4 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX032703.D

Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB

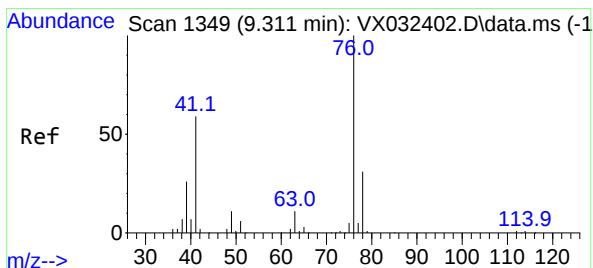
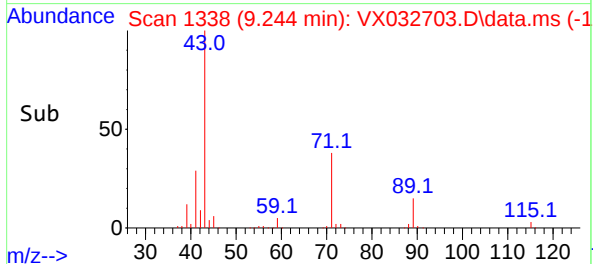
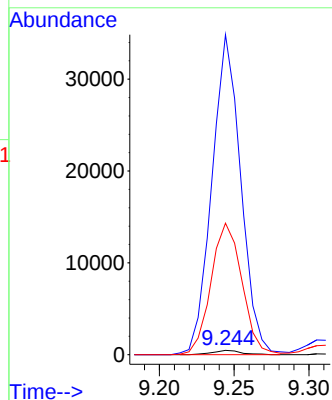
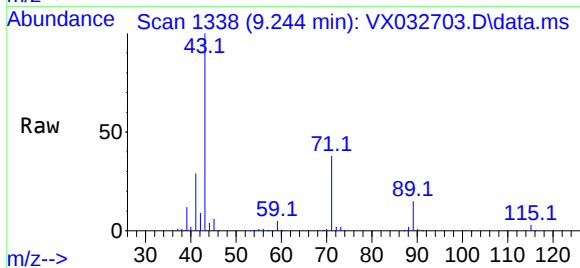
Tgt Ion: 69 Resp: 624

Ion Ratio Lower Upper

69 100

41 7529.2 54.3 81.5#

39 3305.4 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.422 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX032703.D

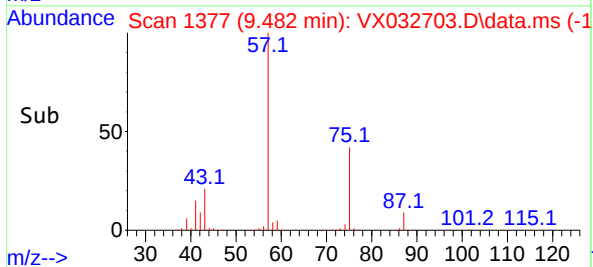
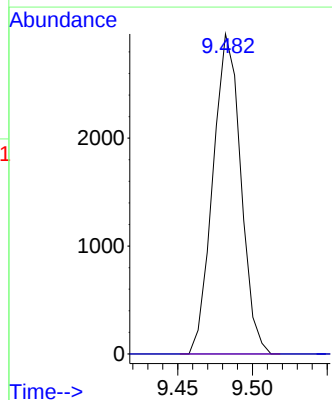
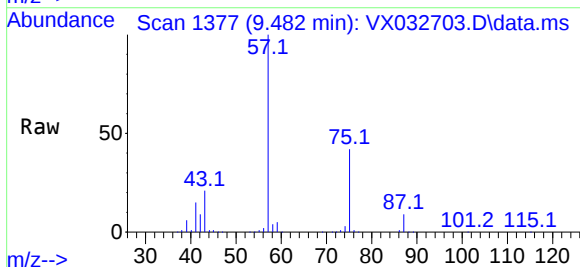
Acq: 10 Nov 2022 03:45

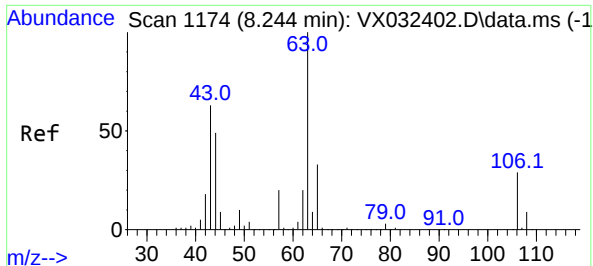
Tgt Ion: 76 Resp: 3844

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

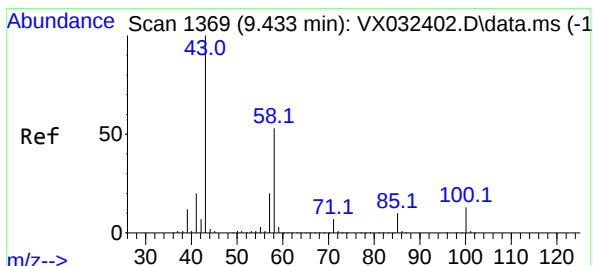
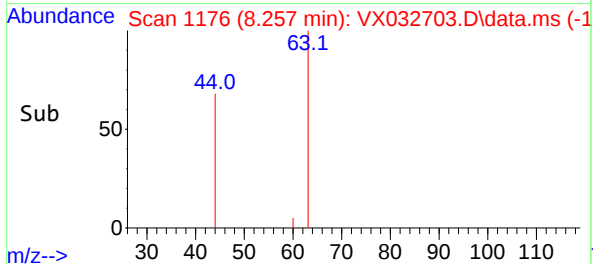
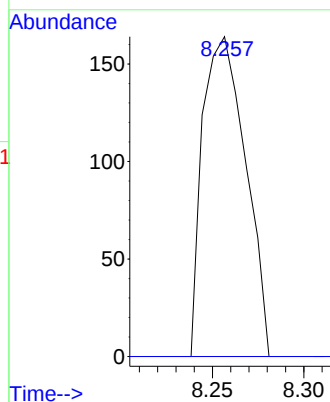
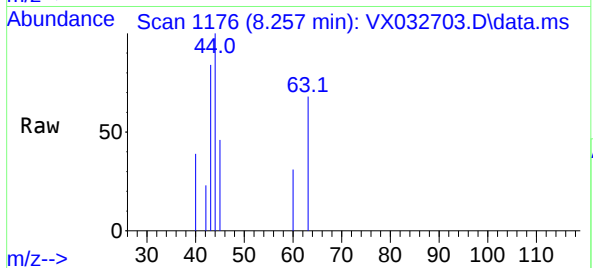




#58
2-Chloroethyl Vinyl ether
Concen: 0.231 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

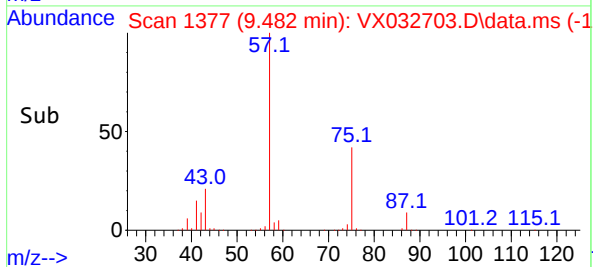
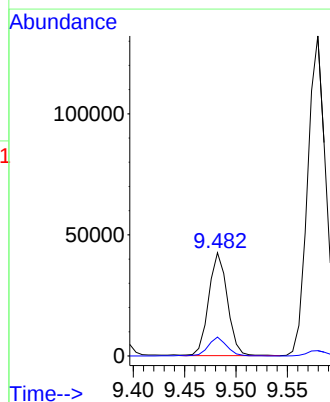
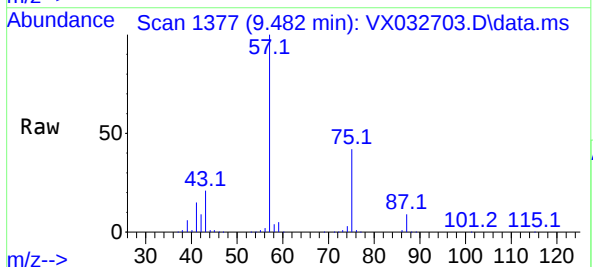
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

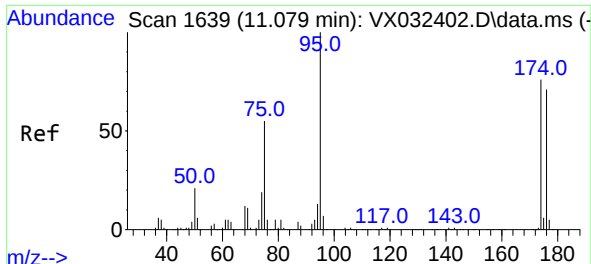
Tgt Ion: 63 Resp: 268
Ion Ratio Lower Upper
63 100
106 0.0 23.3 34.9#



#59
2-Hexanone
Concen: 33.508 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 43 Resp: 53872
Ion Ratio Lower Upper
43 100
58 18.3 26.5 79.5#

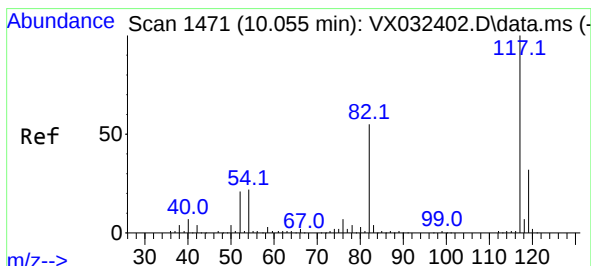
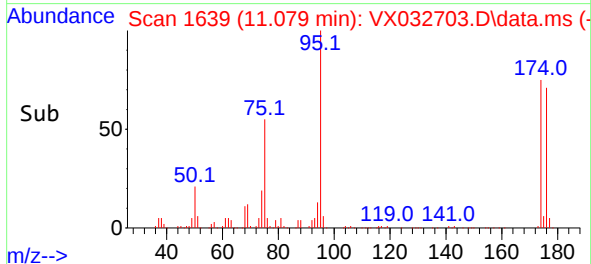
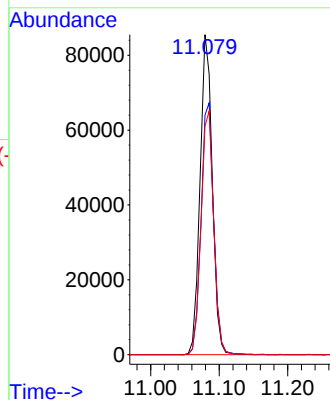
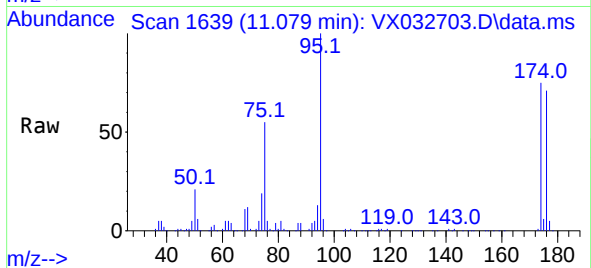




#62
4-Bromofluorobenzene
Concen: 50.662 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

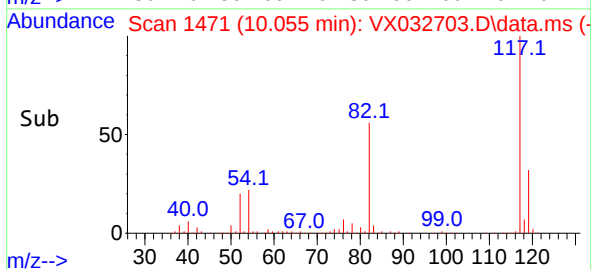
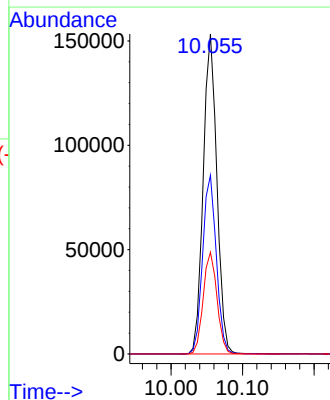
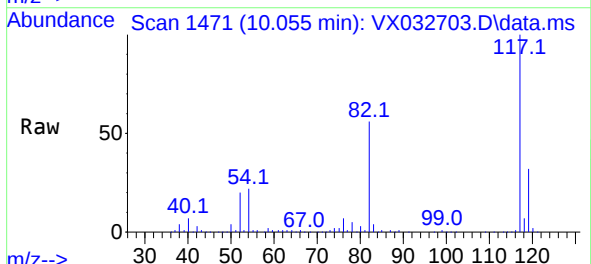
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

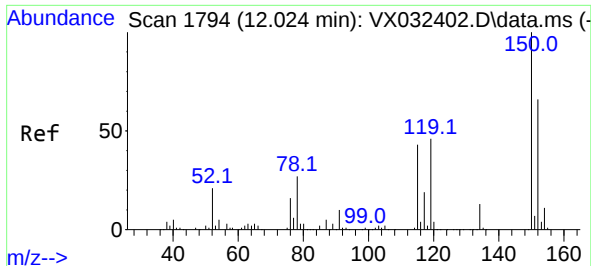
Tgt Ion: 95 Resp: 106360
Ion Ratio Lower Upper
95 100
174 81.0 0.0 164.0
176 78.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

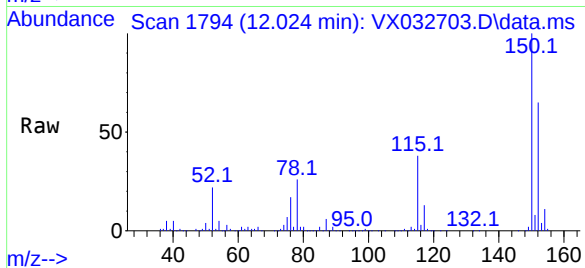
Tgt Ion: 117 Resp: 203399
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 31.8 25.7 38.5



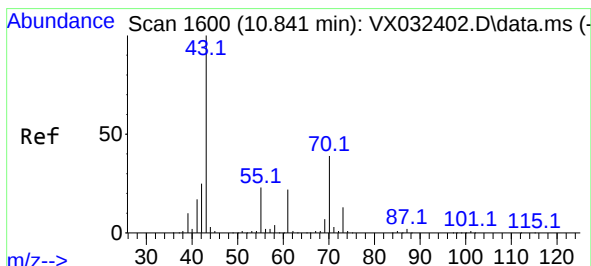
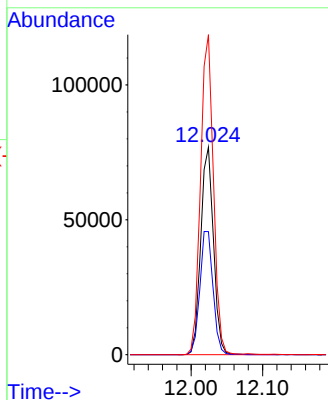
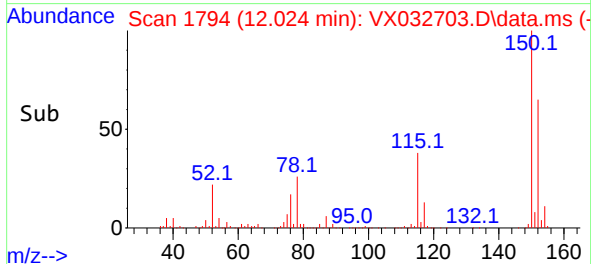


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

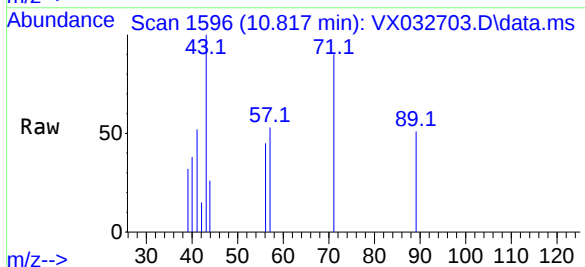
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB



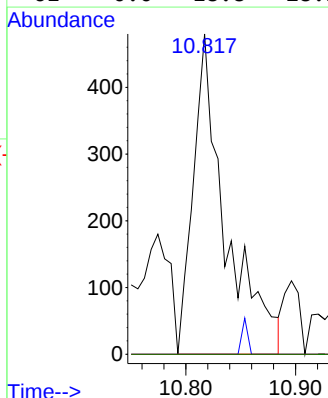
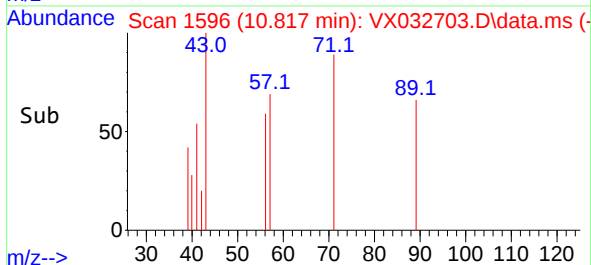
Tgt Ion:152 Resp: 95296
Ion Ratio Lower Upper
152 100
115 61.6 44.0 132.0
150 155.4 0.0 351.8

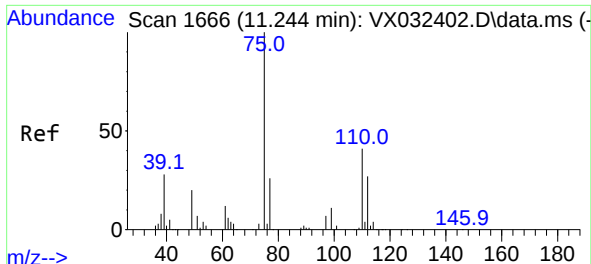


#74
N-ethyl acetate
Concen: 0.345 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45



Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

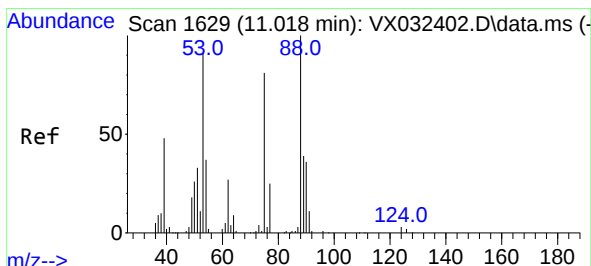
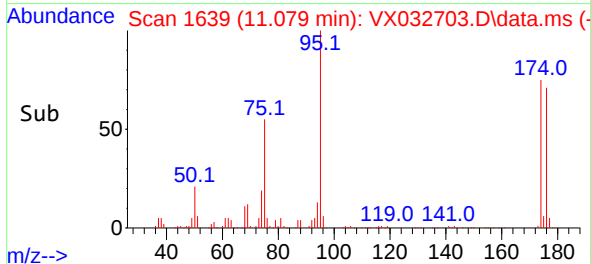
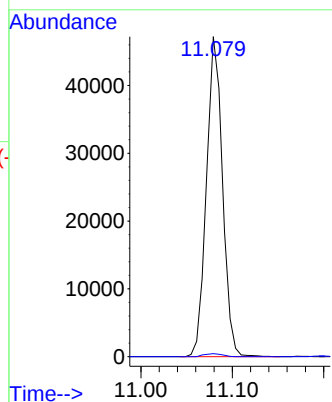
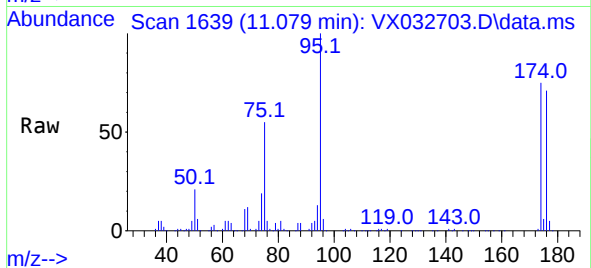




#76
1,2,3-Trichloropropane
Concen: 27.115 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

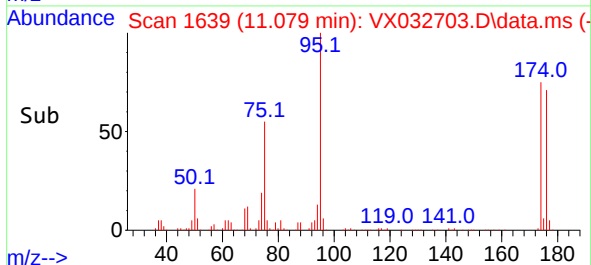
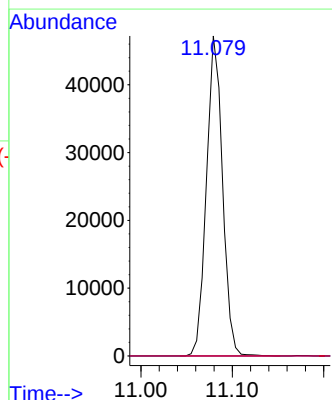
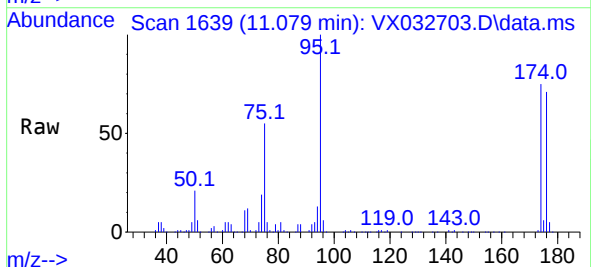
Instrument :
MSVOA_X
ClientSampleId :
PB148908TB

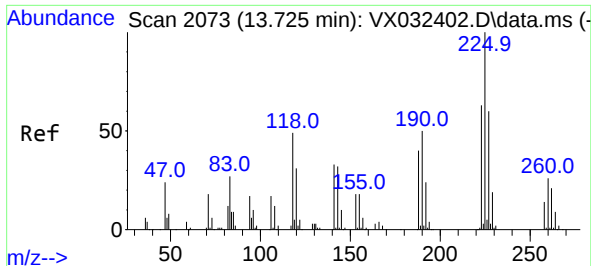
Tgt Ion: 75 Resp: 57486
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.280 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032703.D
Acq: 10 Nov 2022 03:45

Tgt Ion: 75 Resp: 57486
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#94

Hexachlorobutadiene

Concen: 0.386 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX032703.D

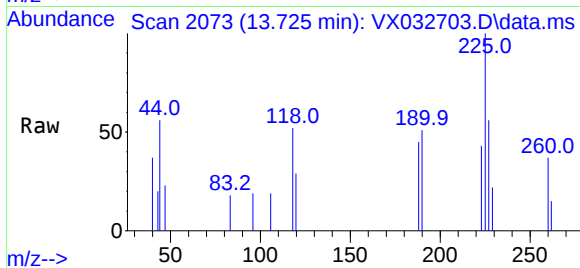
Acq: 10 Nov 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

PB148908TB



Tgt Ion:225 Resp: 362

Ion Ratio Lower Upper

225 100

223 53.6 31.9 95.9

227 60.2 31.9 95.5

