

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034170.D
 Acq On : 17 Feb 2023 20:10
 Operator : JC/MD
 Sample : PB150905TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150905TB

Quant Time: Feb 20 00:37:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

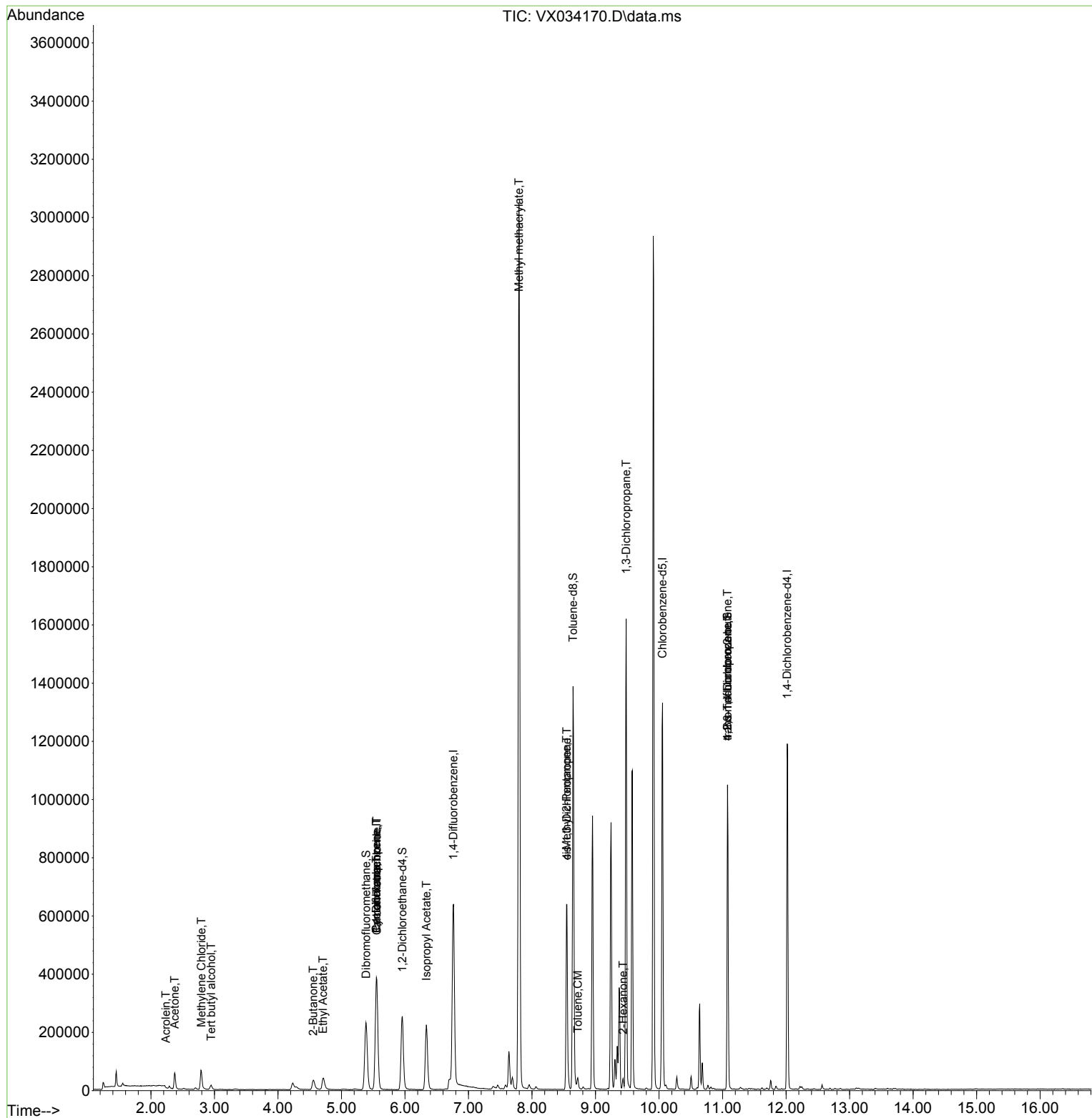
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	389338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	589570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	256192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	232379	44.318	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.640%
35) Dibromofluoromethane	5.385	113	204531	48.156	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	8.647	98	795849	52.189	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.380%
62) 4-Bromofluorobenzene	11.079	95	279122	47.853	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	126	Below Cal		86
11) Tert butyl alcohol	2.947	59	14685	12.522	ug/l #	79
13) Acrolein	2.233	56	656	1.225	ug/l #	14
16) Acetone	2.374	43	58915	21.781	ug/l #	89
20) Methylene Chloride	2.794	84	32531	6.675	ug/l	98
25) 2-Butanone	4.556	43	55639	14.217	ug/l	97
31) Cyclohexane	5.550	56	8552	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	28071	4.469	ug/l #	49
37) Ethyl Acetate	4.708	43	73408	10.457	ug/l	98
38) Carbon Tetrachloride	5.556	117	36223	5.604	ug/l #	15
43) Isopropyl Acetate	6.336	43	317789	25.653	ug/l	99
48) Methyl methacrylate	7.793	41	247113	42.028	ug/l #	45
51) 4-Methyl-2-Pentanone	8.543	43	231344	33.943	ug/l #	50
52) Toluene	8.720	92	13906	1.233	ug/l	95
54) cis-1,3-Dichloropropene	8.549	75	107110	12.987	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	14149	1.786	ug/l #	44
59) 2-Hexanone	9.433	43	21172	4.076	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	138018	21.410	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	138018	55.000	ug/l #	8

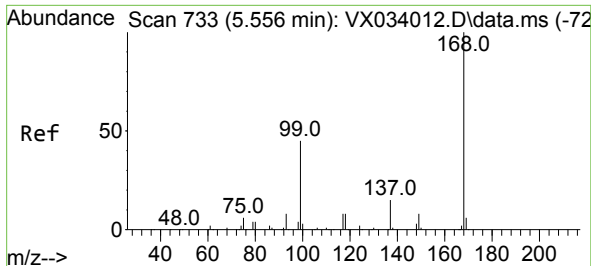
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 20 00:37:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

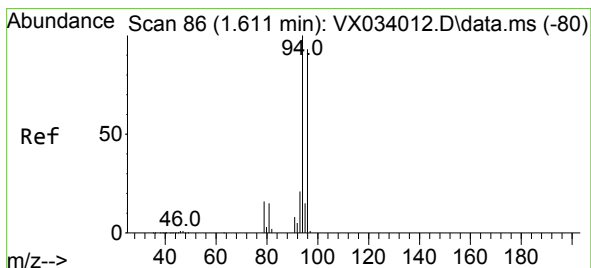
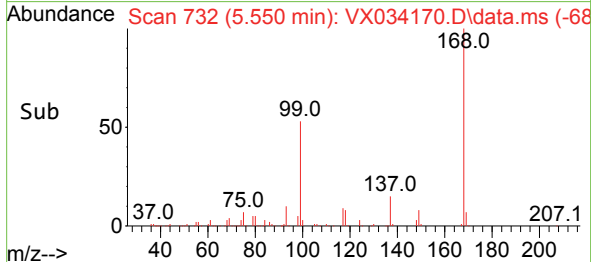
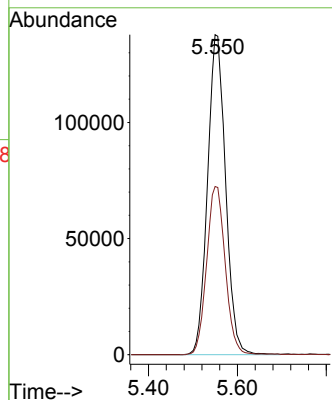
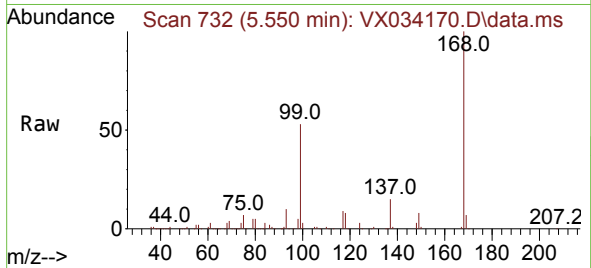




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

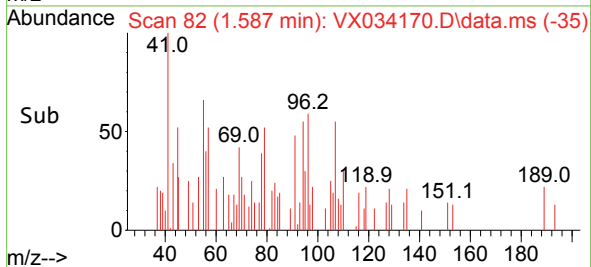
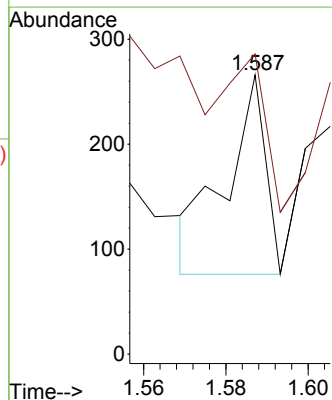
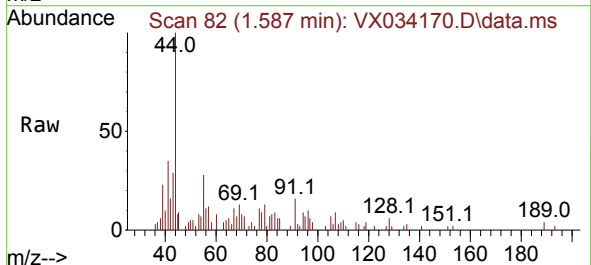
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

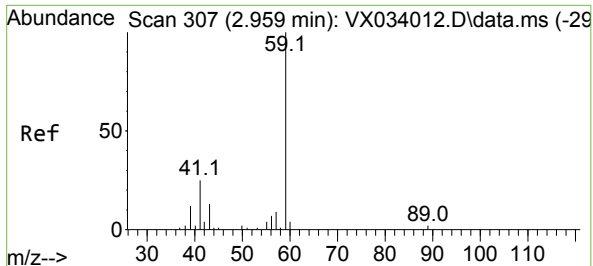
Tgt Ion:168 Resp: 389338
Ion Ratio Lower Upper
168 100
99 52.6 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 79.5 74.3 111.5

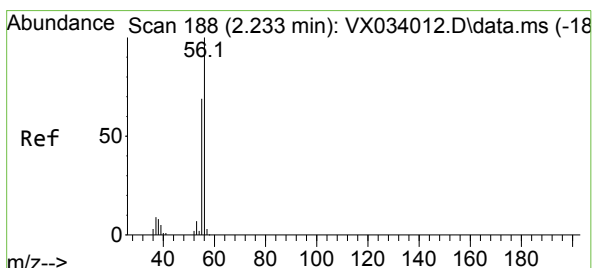
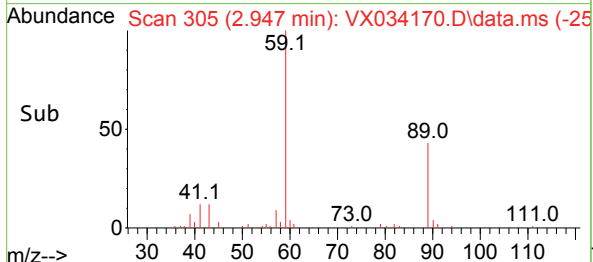
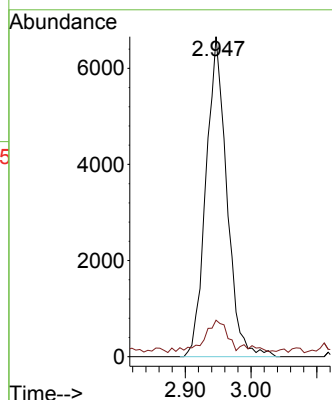
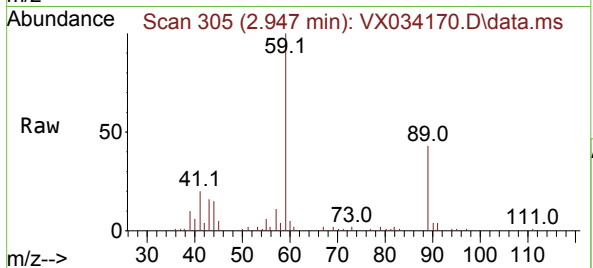




#11
Tert butyl alcohol
Concen: 12.522 ug/l
RT: 2.947 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

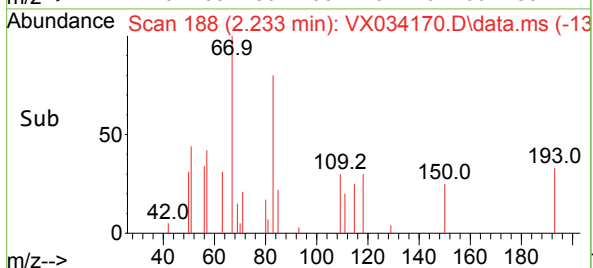
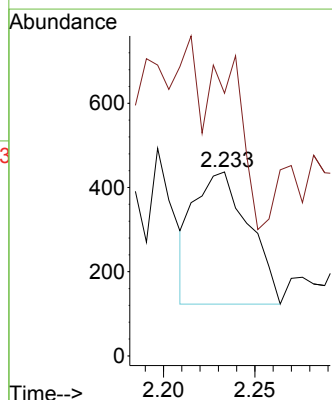
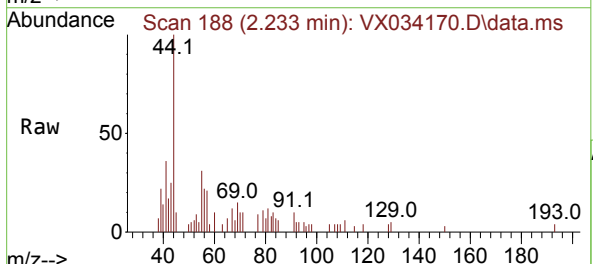
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

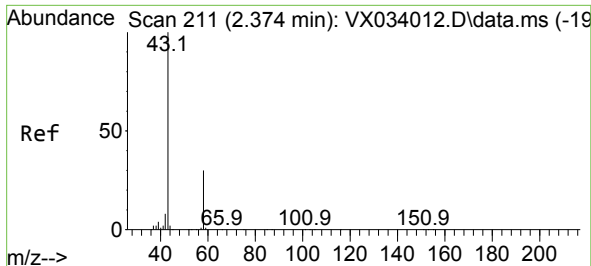
Tgt Ion: 59 Resp: 14685
Ion Ratio Lower Upper
59 100
57 11.4 3.7 5.5#



#13
Acrolein
Concen: 1.225 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 56 Resp: 656
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

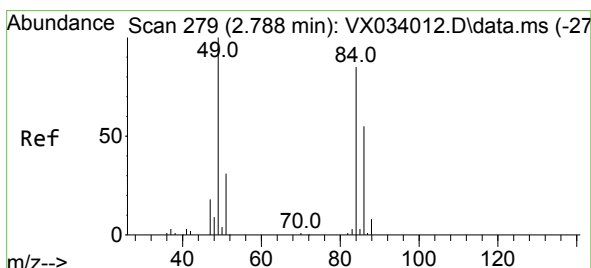
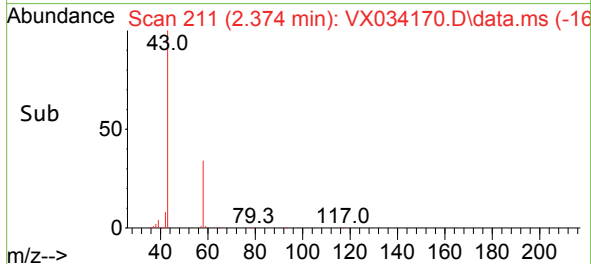
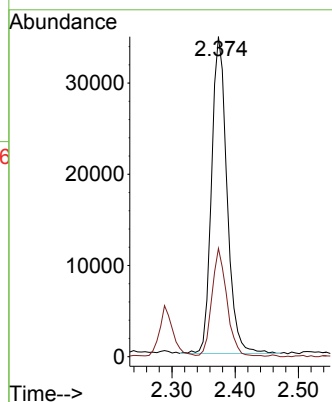
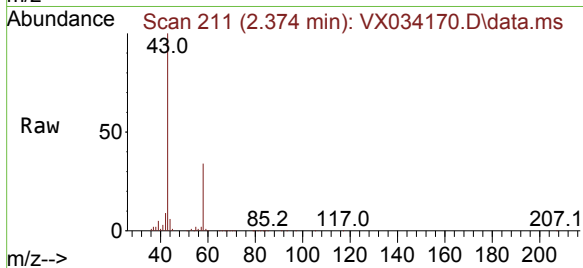




#16
Acetone
Concen: 21.781 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

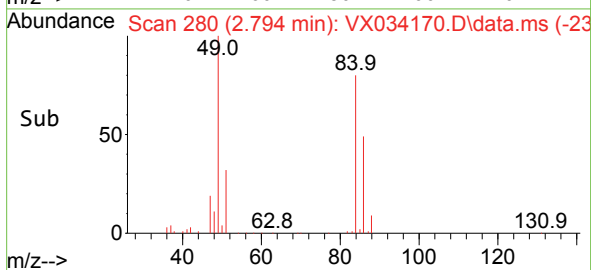
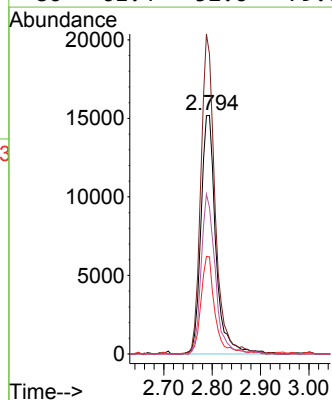
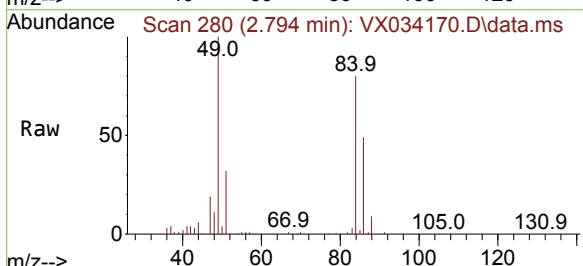
Instrument :
MSVOA_X
ClientSampleId :
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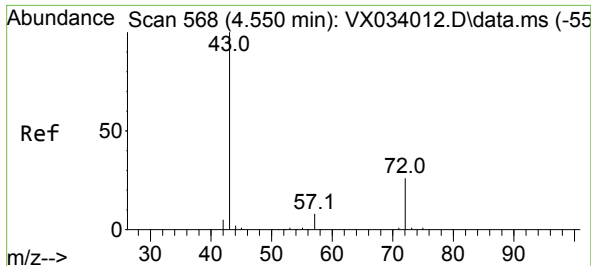
Tgt Ion: 43 Resp: 58915
Ion Ratio Lower Upper
43 100
58 34.2 22.6 33.8#



#20
Methylene Chloride
Concen: 6.675 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 84 Resp: 32531
Ion Ratio Lower Upper
84 100
49 125.6 101.1 151.7
51 40.7 31.0 46.6
86 61.4 52.6 79.0

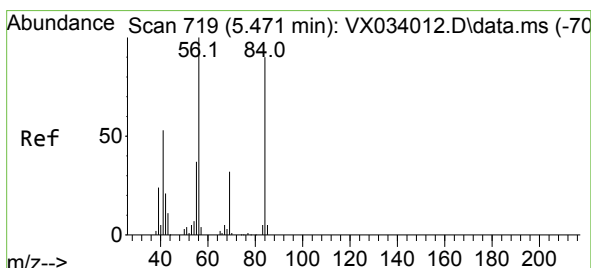
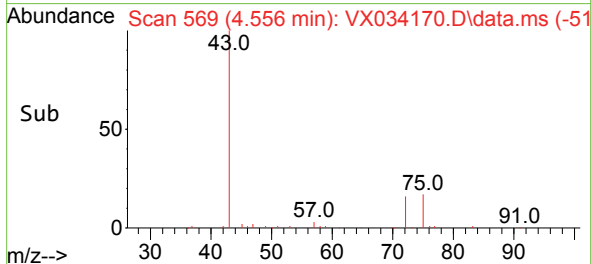
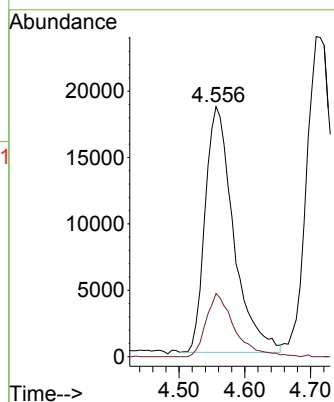
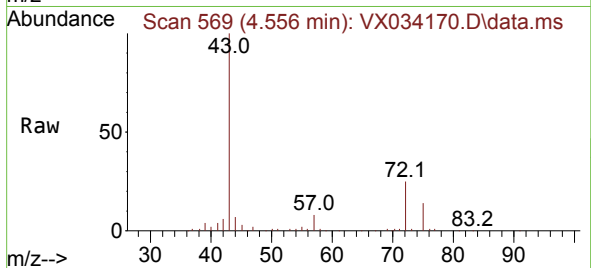




#25
2-Butanone
Concen: 14.217 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

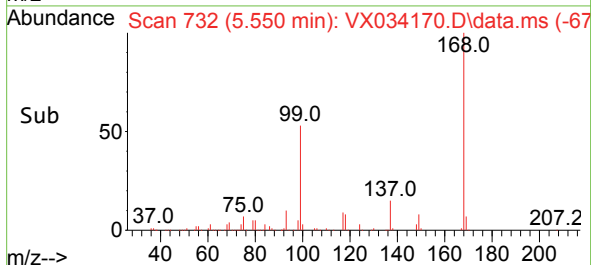
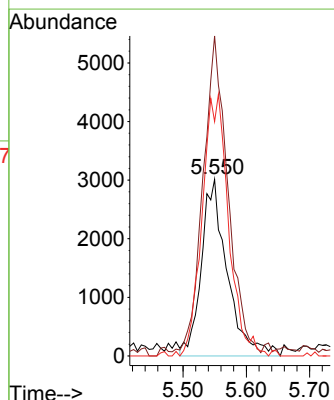
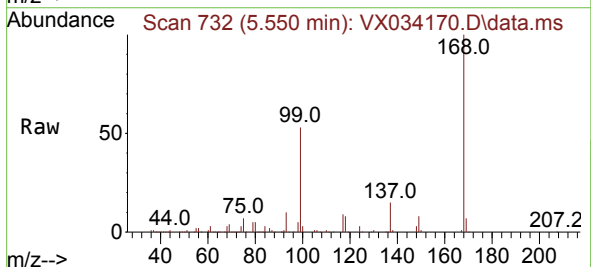
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

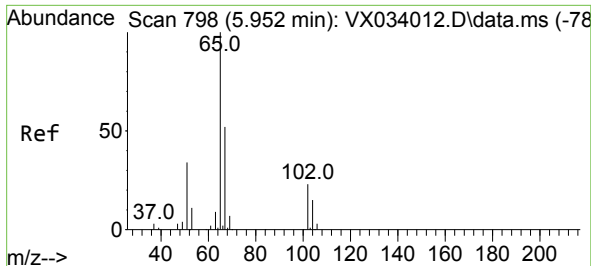
Tgt Ion: 43 Resp: 55639
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 56 Resp: 8552
Ion Ratio Lower Upper
56 100
69 177.7 24.6 37.0#
84 132.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.318 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

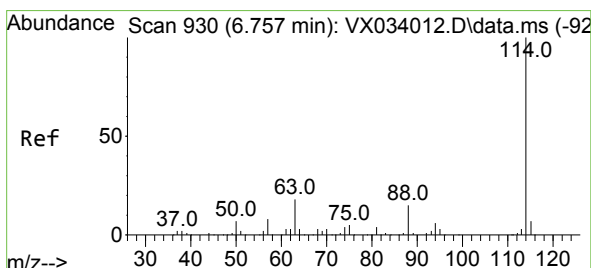
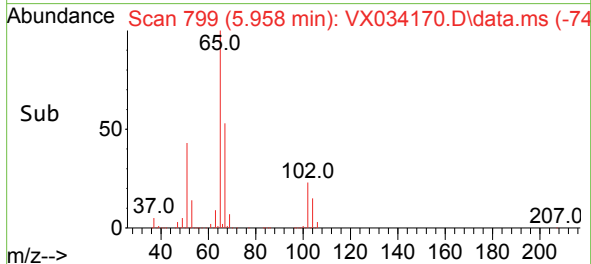
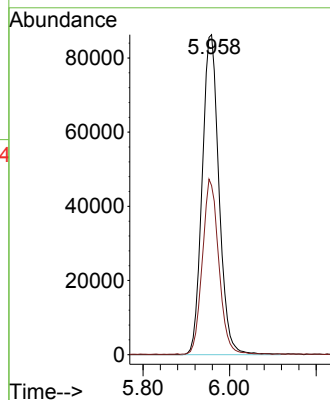
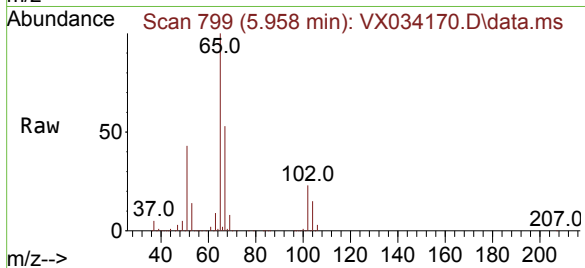
PB150905TB

Tgt Ion: 65 Resp: 232379

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

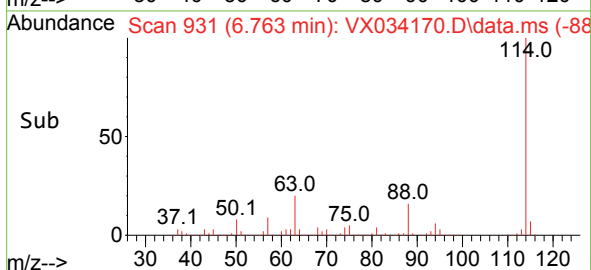
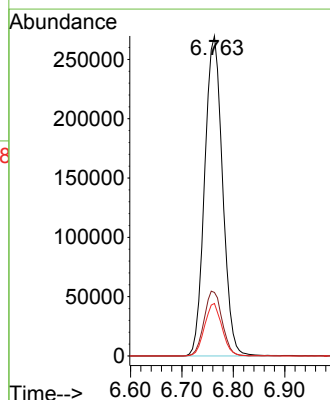
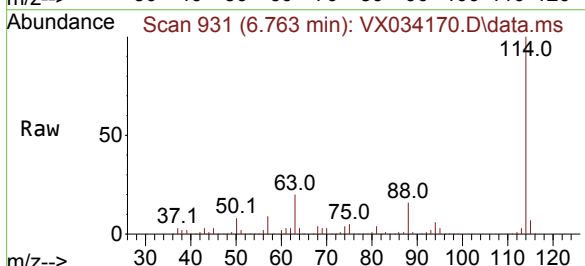
Tgt Ion: 114 Resp: 652329

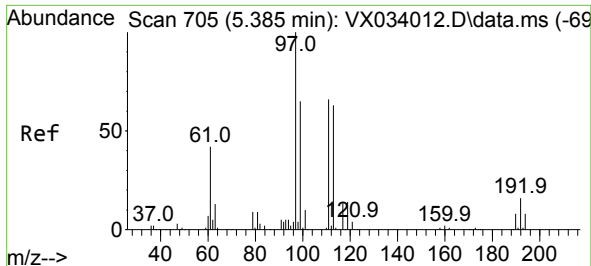
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 16.4 0.0 30.6

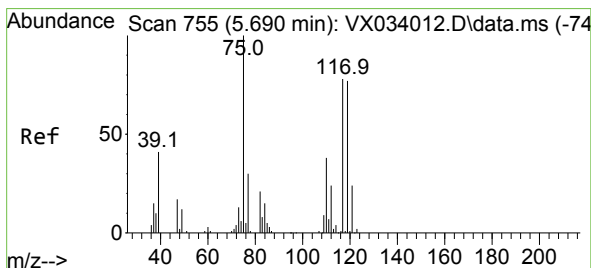
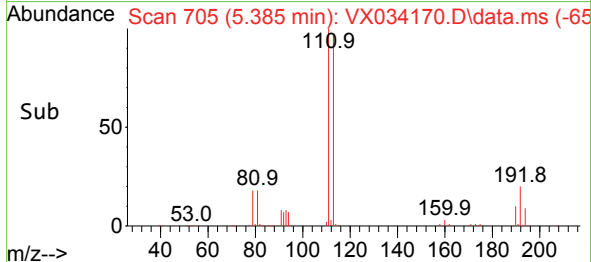
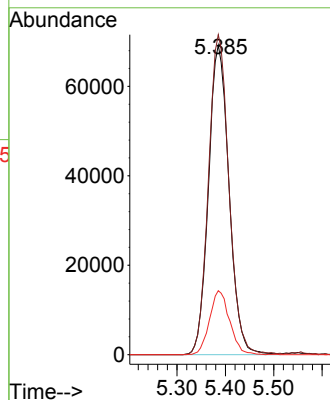
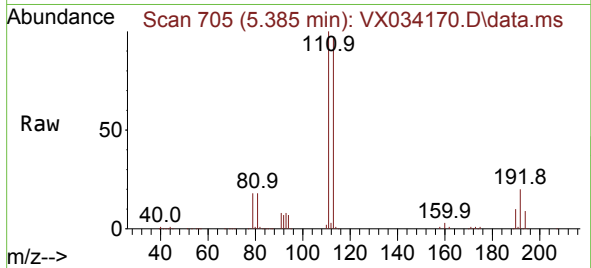




#35
Dibromofluoromethane
Concen: 48.156 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

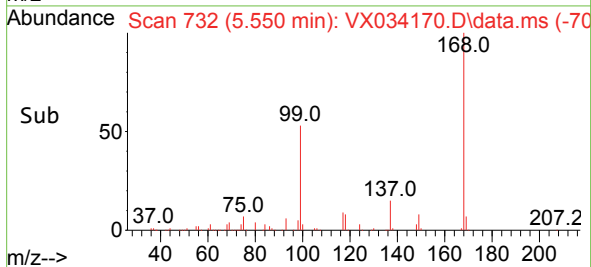
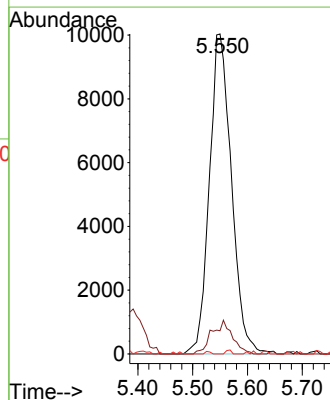
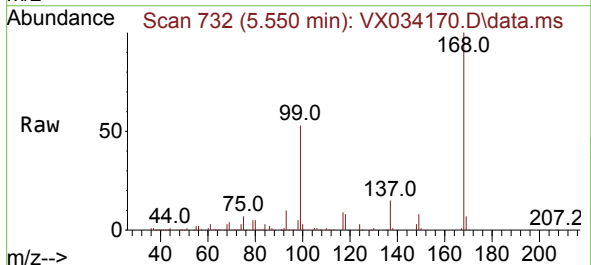
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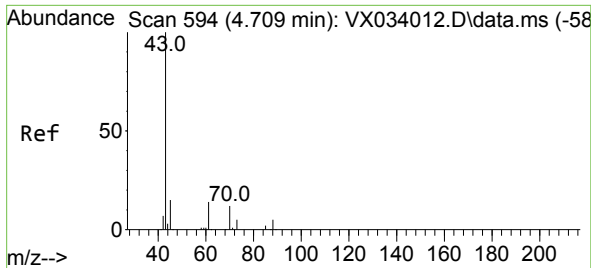
Tgt Ion:113 Resp: 204531
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 20.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.469 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 75 Resp: 28071
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.3 25.1 37.7#





#37

Ethyl Acetate

Concen: 10.457 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

PB150905TB

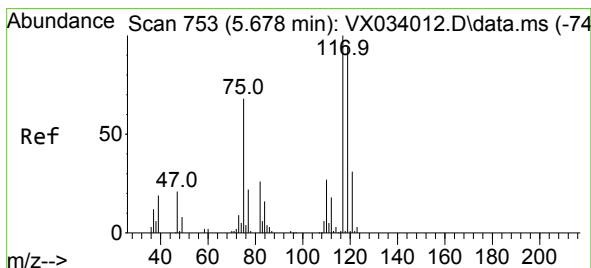
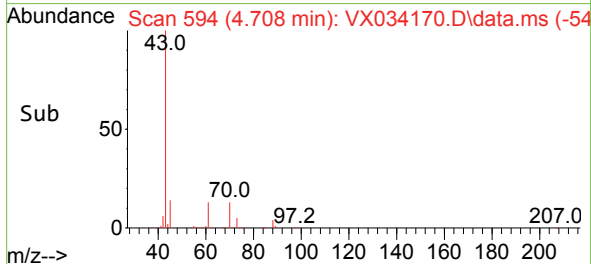
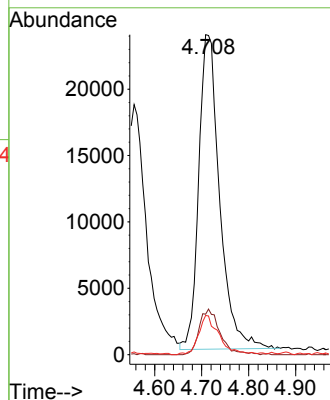
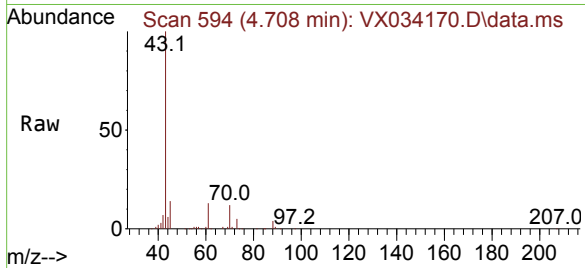
Tgt Ion: 43 Resp: 73408

Ion Ratio Lower Upper

43 100

61 14.3 11.1 16.7

70 12.3 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.604 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

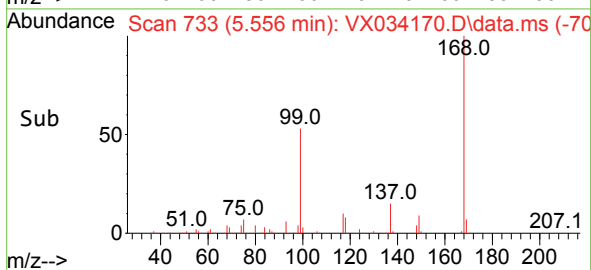
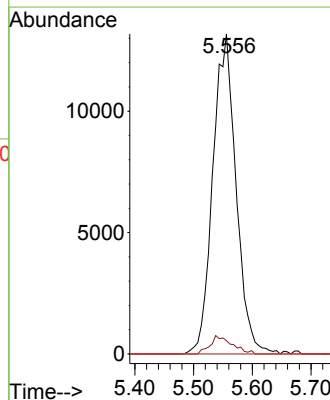
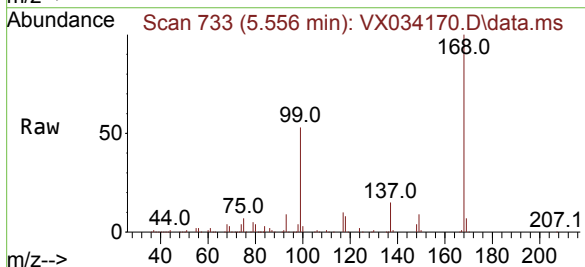
Tgt Ion: 117 Resp: 36223

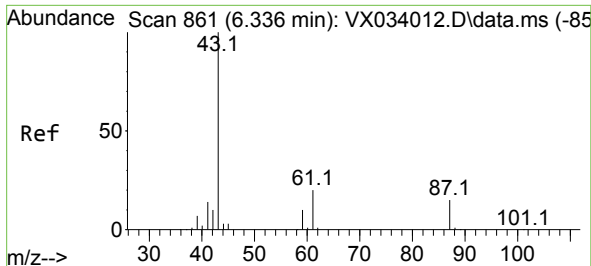
Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

121 0.0 24.4 36.6#

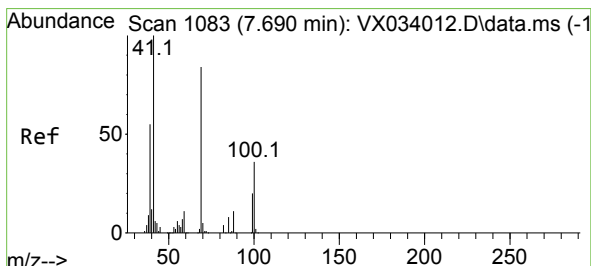
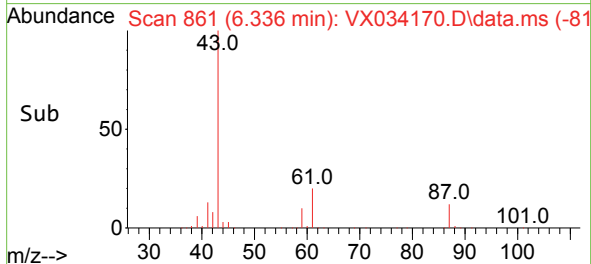
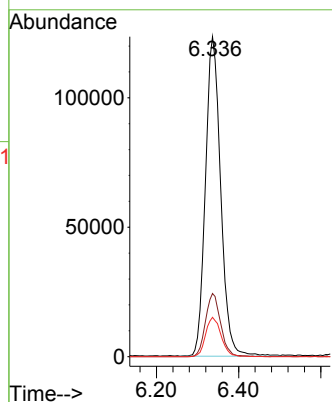
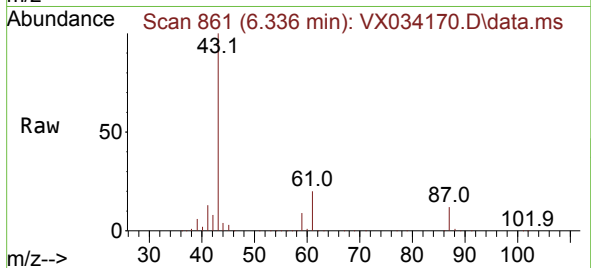




#43
Isopropyl Acetate
Concen: 25.653 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

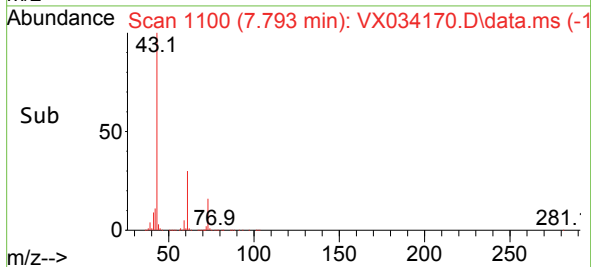
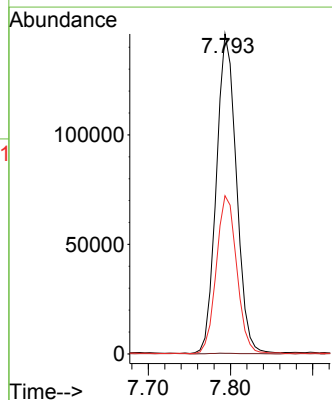
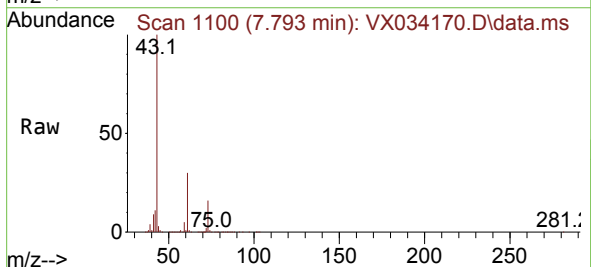
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

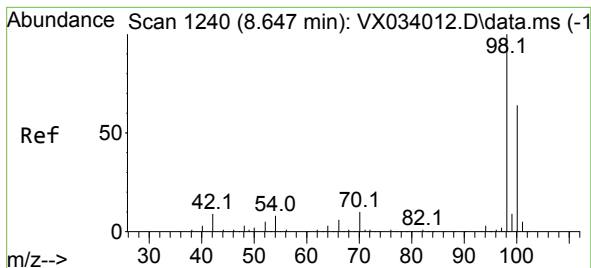
Tgt Ion: 43 Resp: 317789
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 12.5 10.6 15.8



#48
Methyl methacrylate
Concen: 42.028 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 41 Resp: 247113
Ion Ratio Lower Upper
41 100
69 0.4 63.1 94.7#
39 50.5 43.2 64.8





#50

Toluene-d8

Concen: 52.189 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

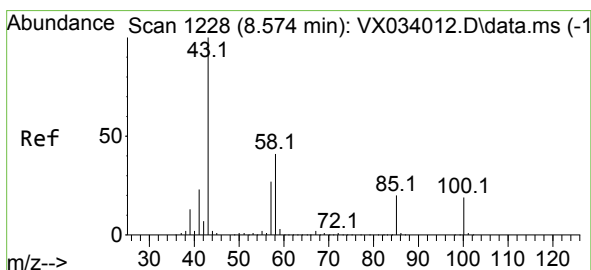
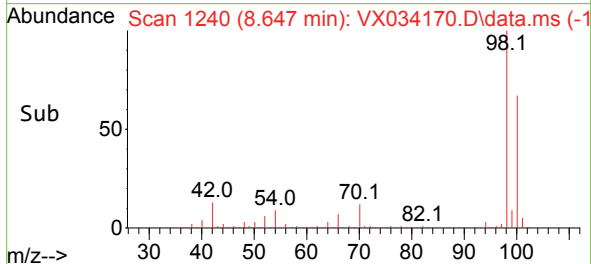
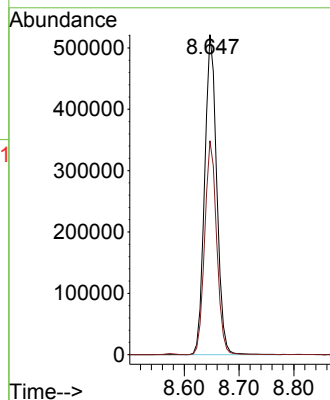
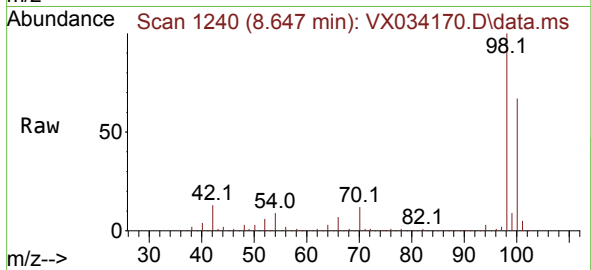
PB150905TB

Tgt Ion: 98 Resp: 795849

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 33.943 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.024 min

Lab File: VX034170.D

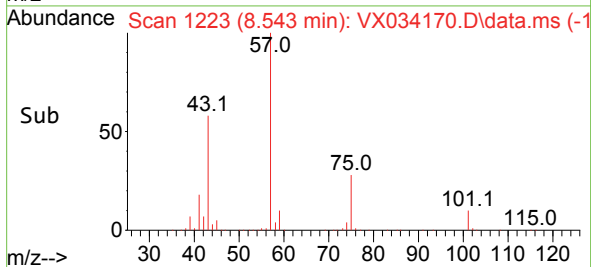
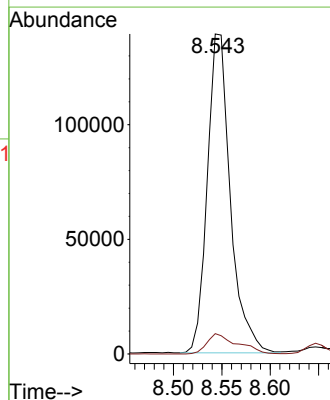
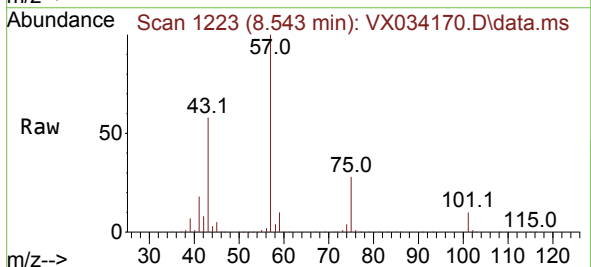
Acq: 17 Feb 2023 20:10

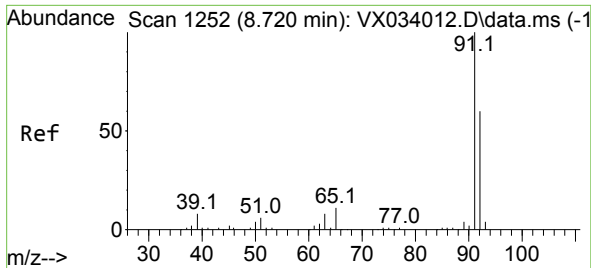
Tgt Ion: 43 Resp: 231344

Ion Ratio Lower Upper

43 100

58 8.4 31.2 46.8#

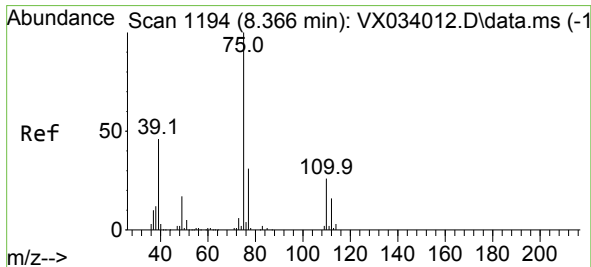
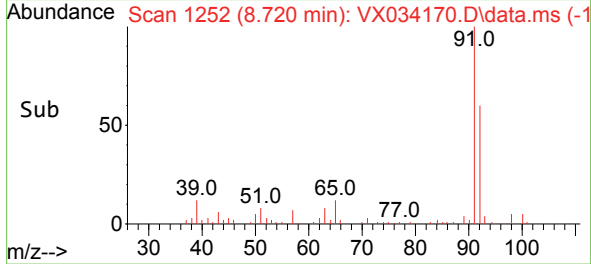
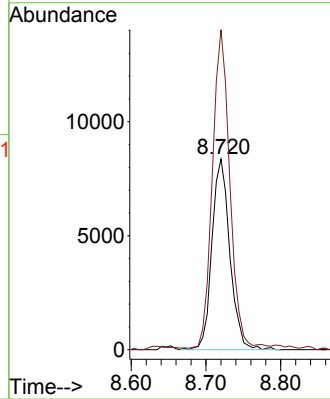
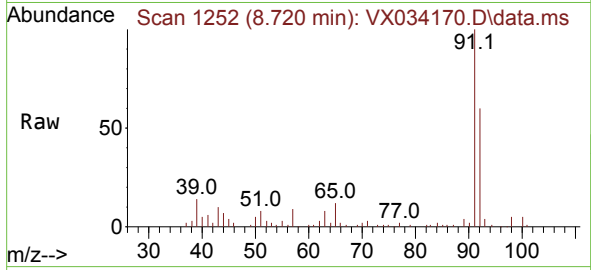




#52
Toluene
Concen: 1.233 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

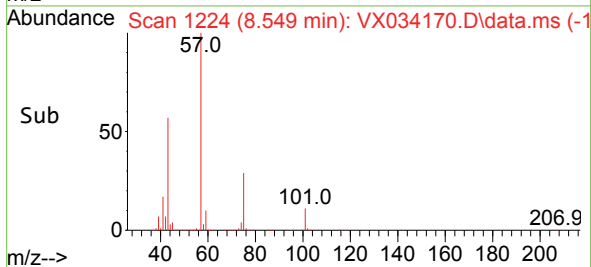
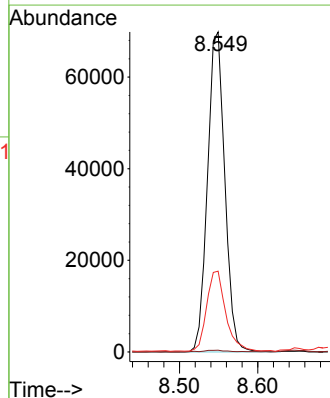
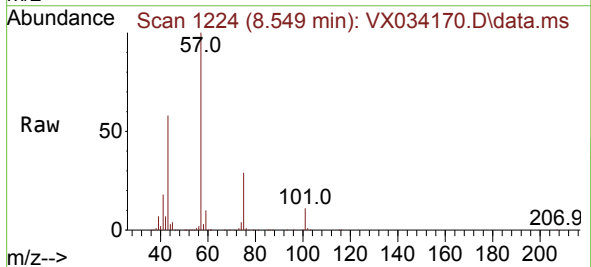
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

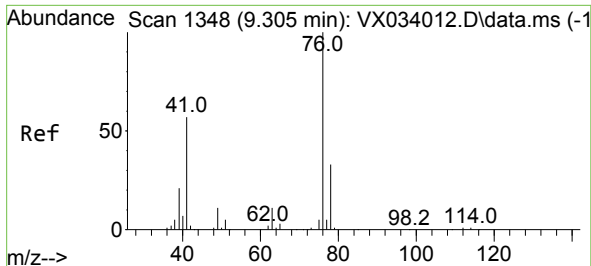
Tgt Ion: 92 Resp: 13906
Ion Ratio Lower Upper
92 100
91 162.4 135.5 203.3



#54
cis-1,3-Dichloropropene
Concen: 12.987 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 75 Resp: 107110
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 25.0 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.786 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX034170.D

Acq: 17 Feb 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

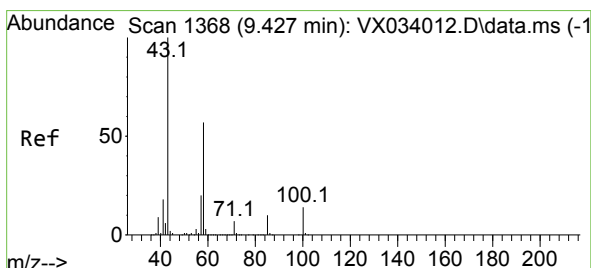
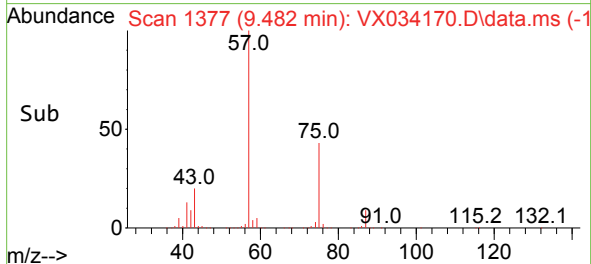
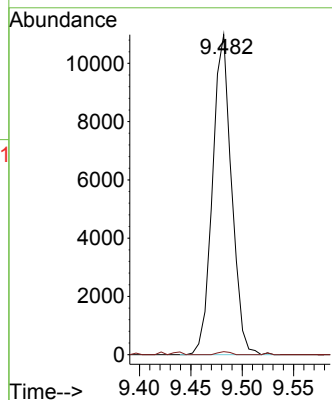
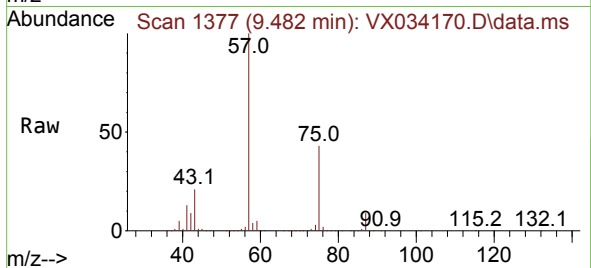
PB150905TB

Tgt Ion: 76 Resp: 14149

Ion Ratio Lower Upper

76 100

78 0.6 25.6 38.4#



#59

2-Hexanone

Concen: 4.076 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX034170.D

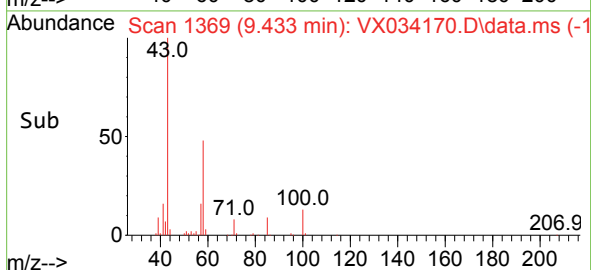
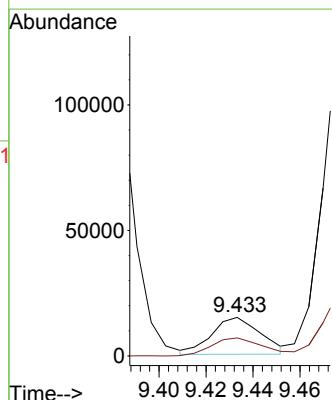
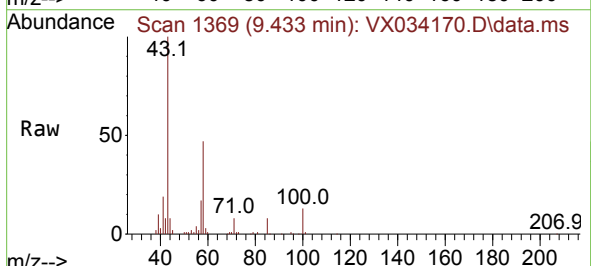
Acq: 17 Feb 2023 20:10

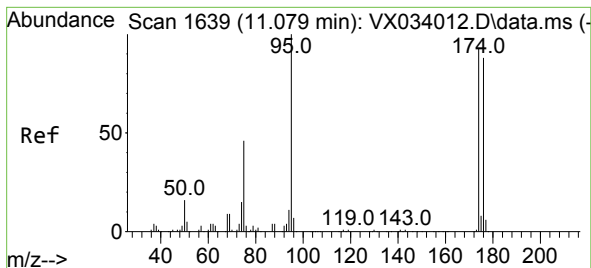
Tgt Ion: 43 Resp: 21172

Ion Ratio Lower Upper

43 100

58 53.7 27.4 82.0

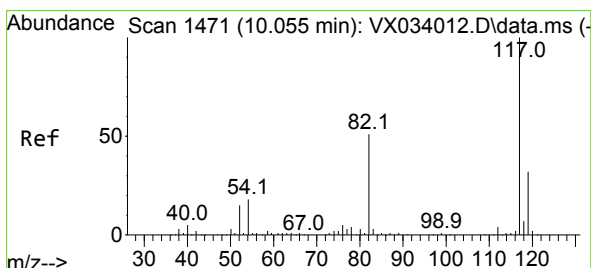
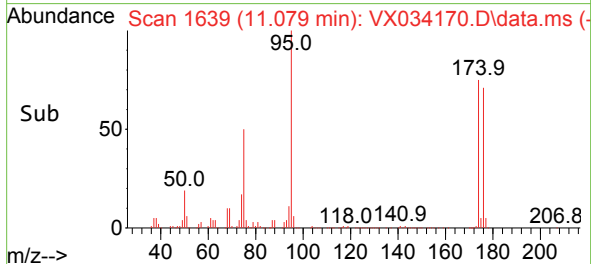
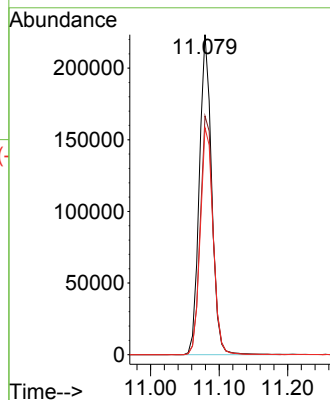
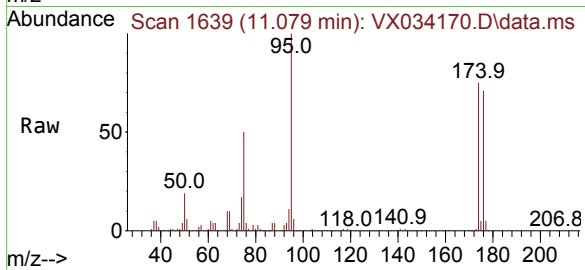




#62
4-Bromofluorobenzene
Concen: 47.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

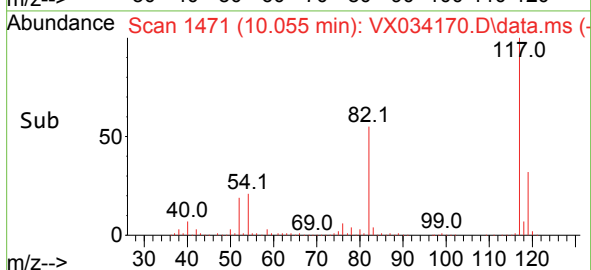
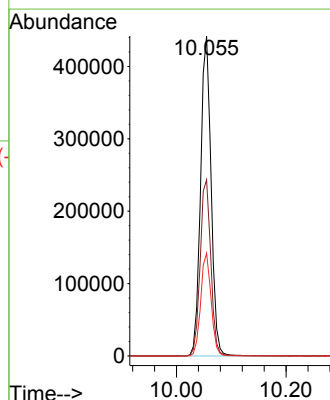
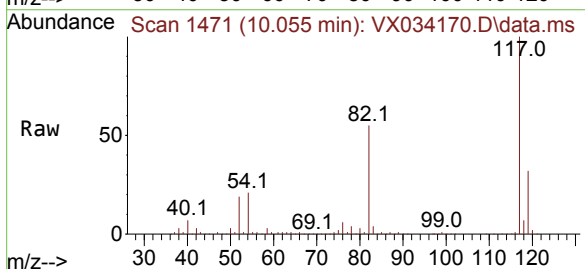
Instrument :
MSVOA_X
ClientSampleId :
PB150905TB

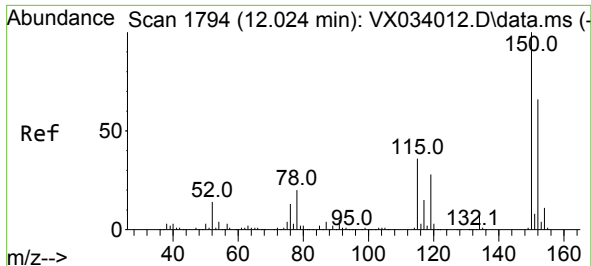
Tgt Ion: 95 Resp: 279122
Ion Ratio Lower Upper
95 100
174 77.8 0.0 184.4
176 74.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034170.D
Acq: 17 Feb 2023 20:10

Tgt Ion: 117 Resp: 589570
Ion Ratio Lower Upper
117 100
82 55.0 40.6 60.8
119 32.1 25.6 38.4

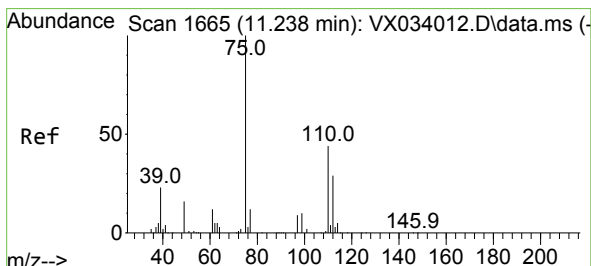
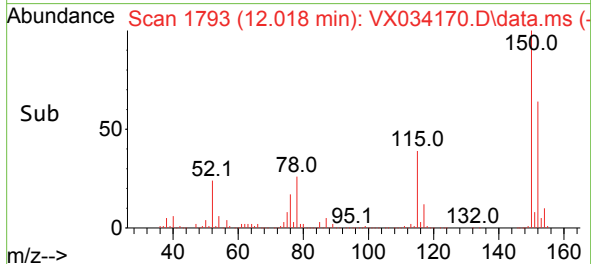
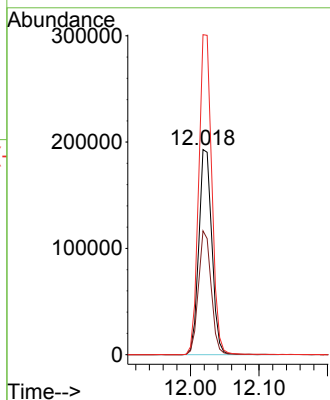
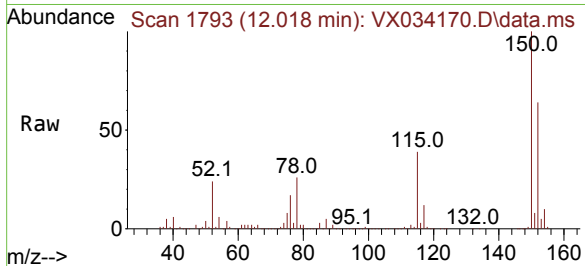




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX034170.D
 Acq: 17 Feb 2023 20:10

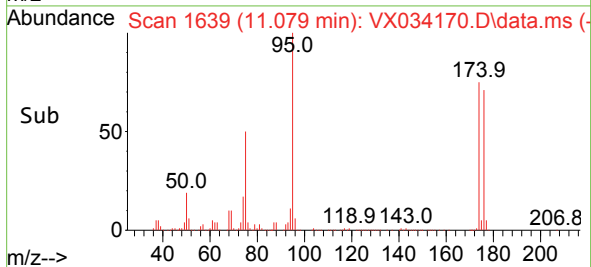
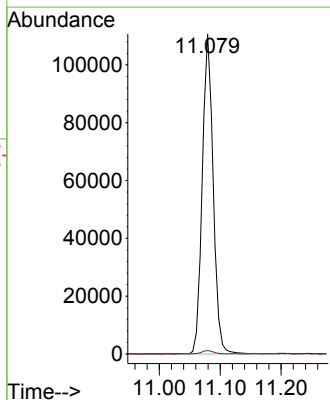
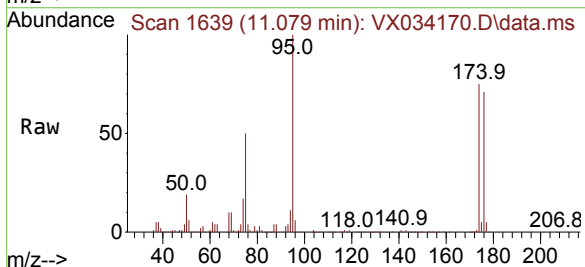
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150905TB

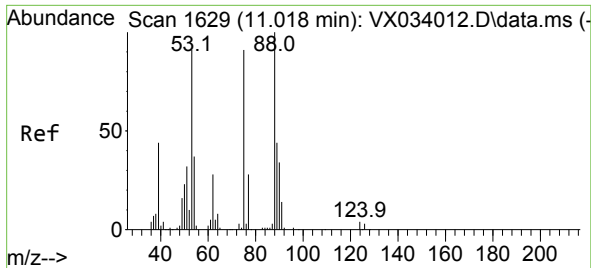
Tgt Ion:152 Resp: 256192
 Ion Ratio Lower Upper
 152 100
 115 59.0 38.7 116.1
 150 156.4 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 21.410 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034170.D
 Acq: 17 Feb 2023 20:10

Tgt Ion: 75 Resp: 138018
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.000 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034170.D
 Acq: 17 Feb 2023 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150905TB

Tgt Ion: 75 Resp: 138018
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

