

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031480.D
 Acq On : 19 Sep 2022 23:07
 Operator : JC/MD
 Sample : PB147695TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

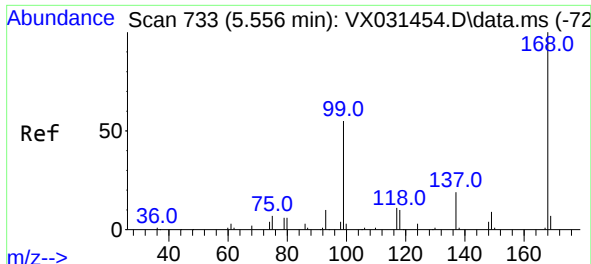
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147695TB

Quant Time: Sep 20 09:51:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	68605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	114644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	73519	58.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.020%			
35) Dibromofluoromethane	5.391	113	61439	51.876	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	8.653	98	242752	53.147	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.300%			
62) 4-Bromofluorobenzene	11.079	95	75089	48.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.060%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	191	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	1108	Below Cal	#	73
13) Acrolein	2.075	56	22	Below Cal	#	15
18) Methyl Acetate	2.709	43	589	0.313	ug/l	93
20) Methylene Chloride	2.788	84	2963	0.313	ug/l	91
25) 2-Butanone	4.580	43	1027	1.057	ug/l	# 83
29) Tetrahydrofuran	5.044	42	387	0.611	ug/l	# 50
31) Cyclohexane	5.556	56	1693	0.907	ug/l	# 10
36) 1,1-Dichloropropene	5.562	75	5542	3.041	ug/l	# 51
37) Ethyl Acetate	4.727	43	10818	4.976	ug/l	# 94
38) Carbon Tetrachloride	5.550	117	6252	3.095	ug/l	# 18
43) Isopropyl Acetate	6.348	43	49407	14.787	ug/l	99
48) Methyl methacrylate	7.799	41	50328	32.970	ug/l	# 46
49) 1,4-Dioxane	7.805	88	49	1.406	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	41547	19.332	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	18652	8.333	ug/l	# 66
56) Ethyl methacrylate	9.238	69	488	0.235	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	2707	1.129	ug/l	# 43
59) 2-Hexanone	9.482	43	32827	20.338	ug/l	# 52
74) N-amyl acetate	10.817	43	576	0.404	ug/l	# 43
75) 1,1,2,2-Tetrachloroethane	11.079	83	146	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	43668	41.495	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	43668	133.609	ug/l	# 11

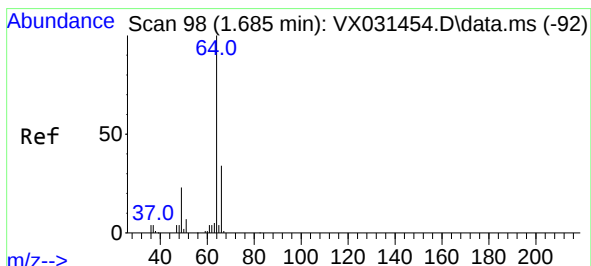
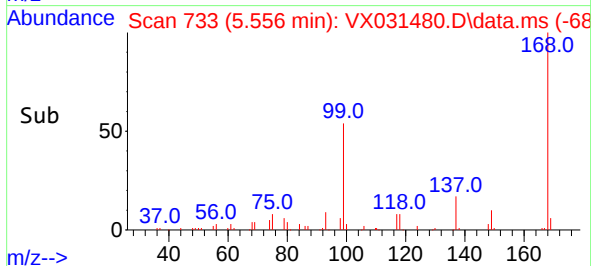
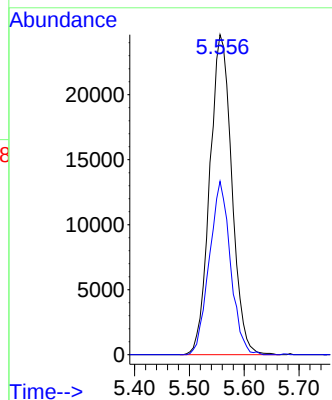
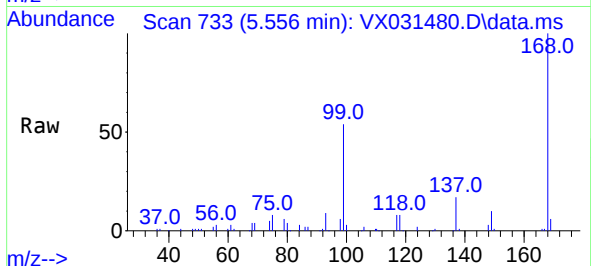
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

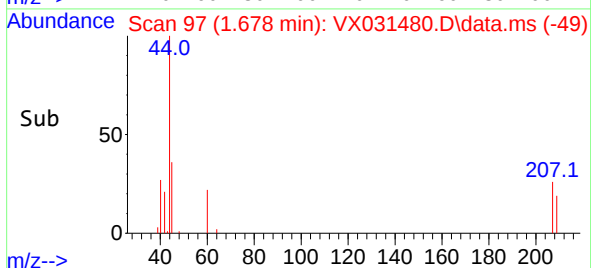
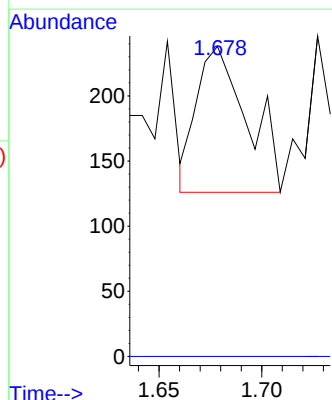
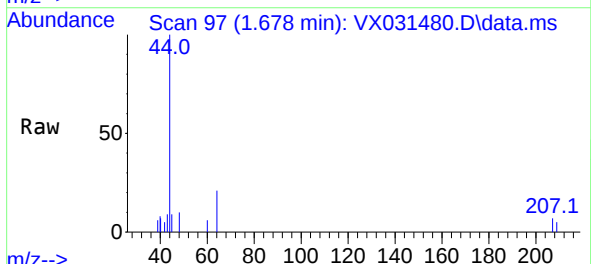
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MSVOA_X
ClientSampleId :
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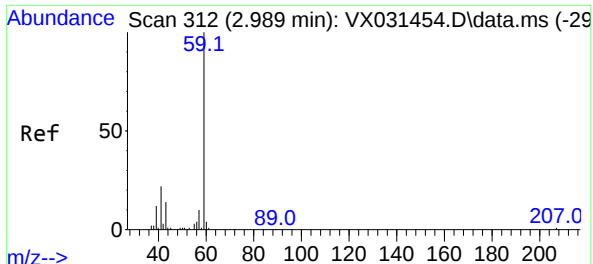
Tgt Ion:168 Resp: 68605
Ion Ratio Lower Upper
168 100
99 54.1 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

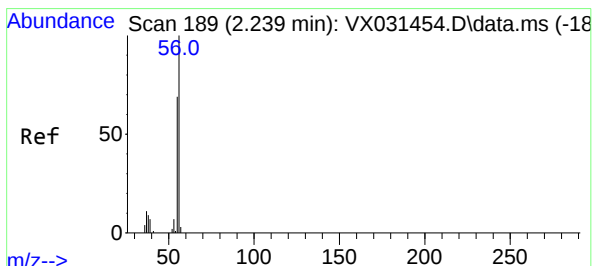
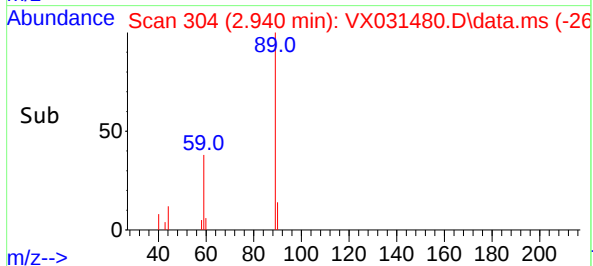
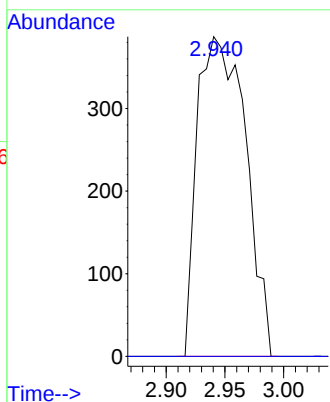
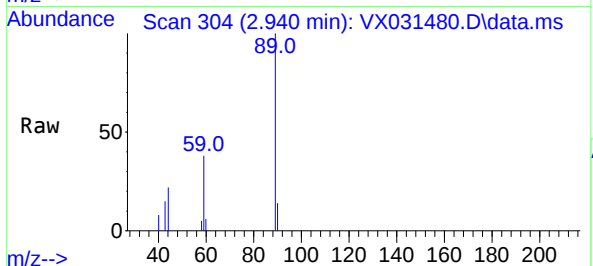




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

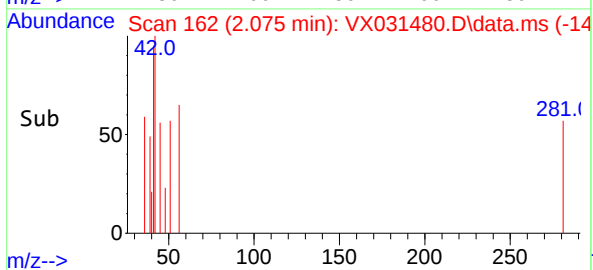
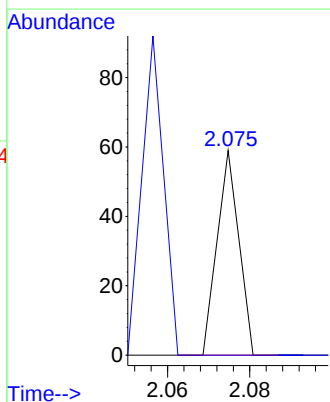
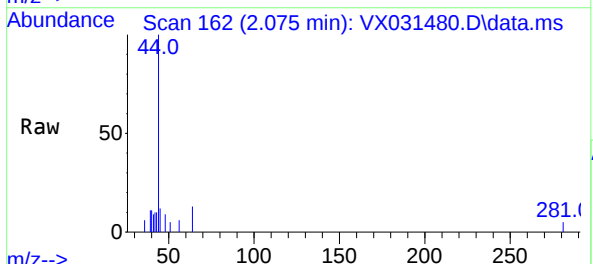
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

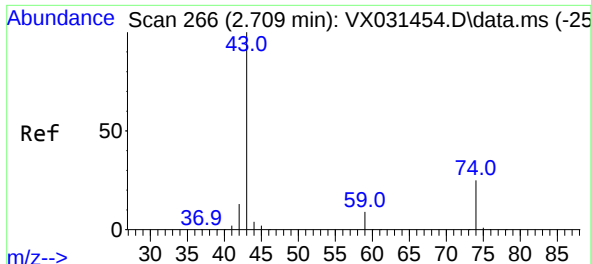
Tgt Ion: 59 Resp: 1108
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.075 min Scan# 162
Delta R.T. -0.164 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

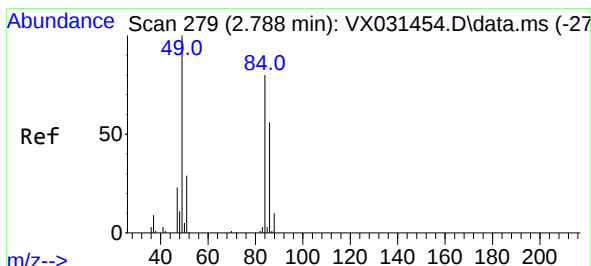
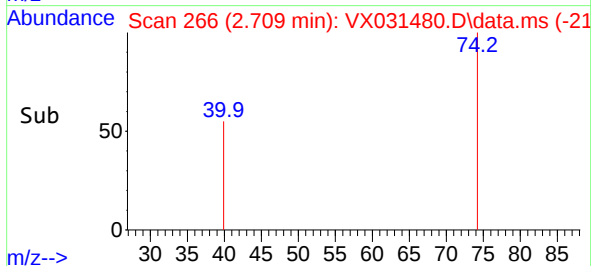
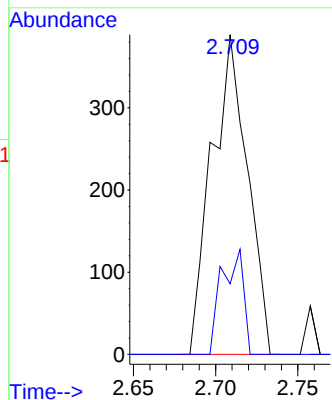
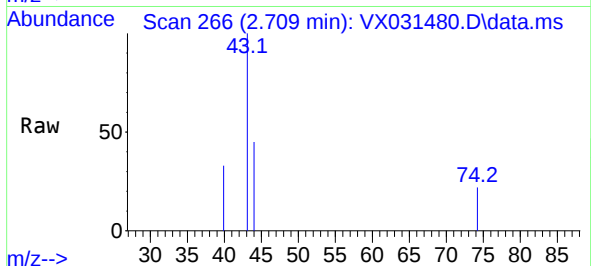




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

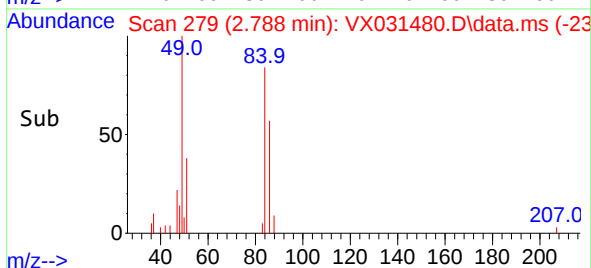
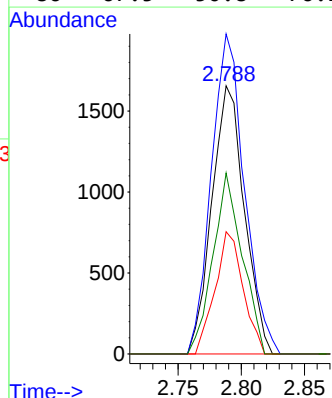
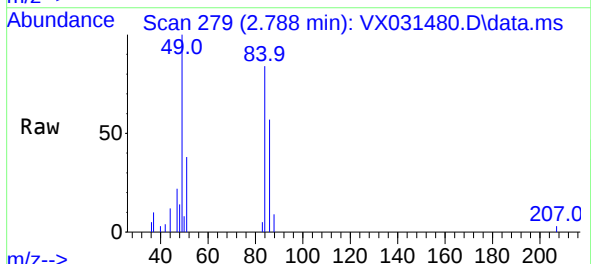
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

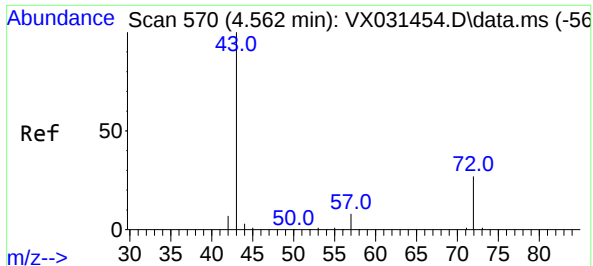
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
74 19.9 18.6 27.8



#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 84 Resp: 2963
Ion Ratio Lower Upper
84 100
49 119.3 105.9 158.9
51 45.6 32.2 48.2
86 67.5 50.8 76.2





#25

2-Butanone

Concen: 1.057 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX031480.D

Acq: 19 Sep 2022 23:07

Instrument :

MSVOA_X

ClientSampleId :

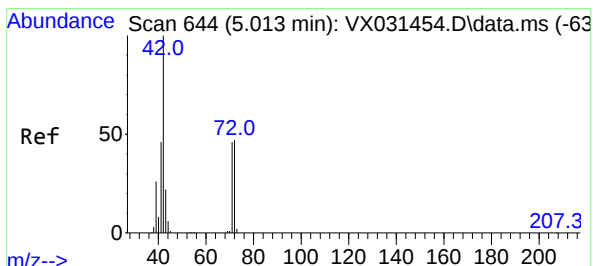
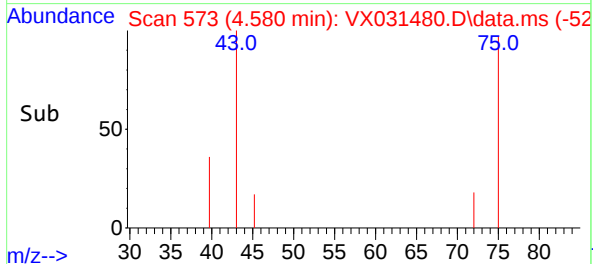
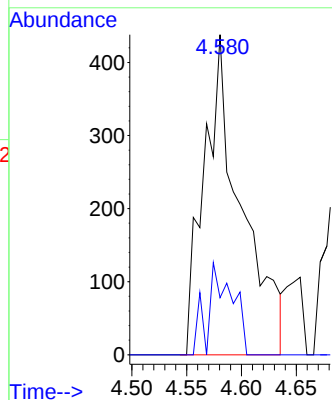
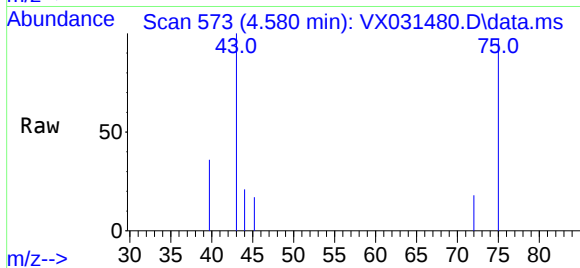
PB147695TB

Tgt Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

72 17.8 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.611 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX031480.D

Acq: 19 Sep 2022 23:07

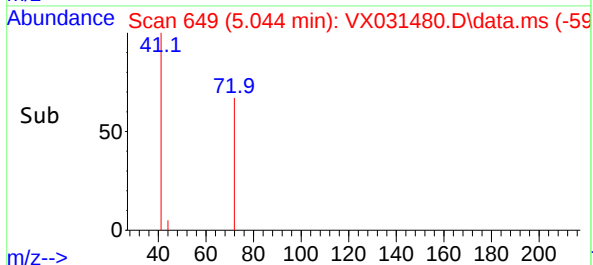
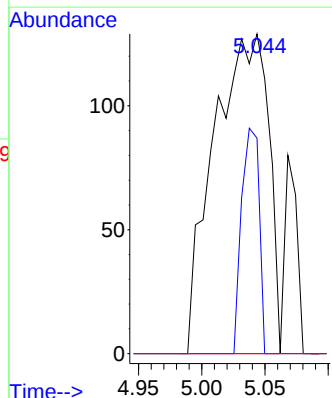
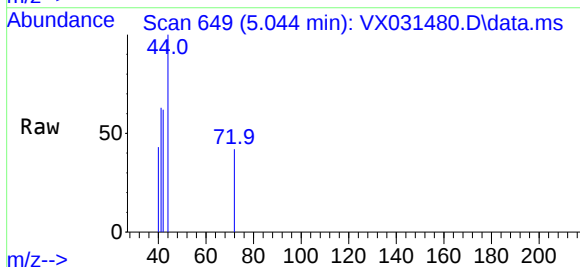
Tgt Ion: 42 Resp: 387

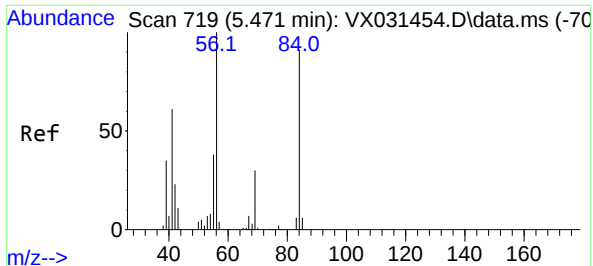
Ion Ratio Lower Upper

42 100

72 22.7 36.4 54.6#

71 0.0 33.5 50.3#

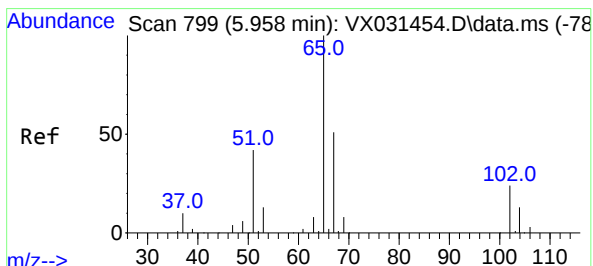
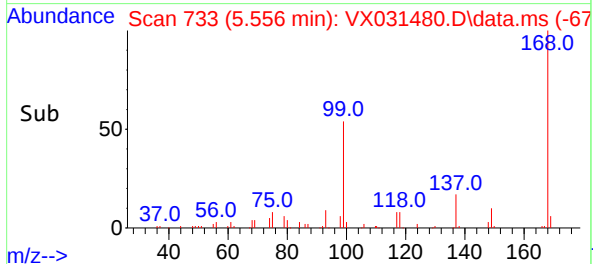
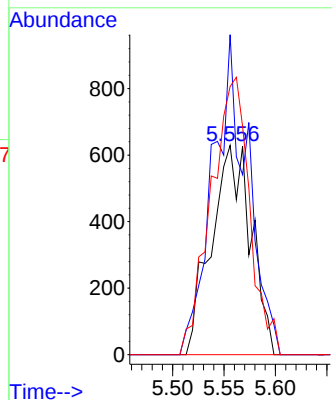
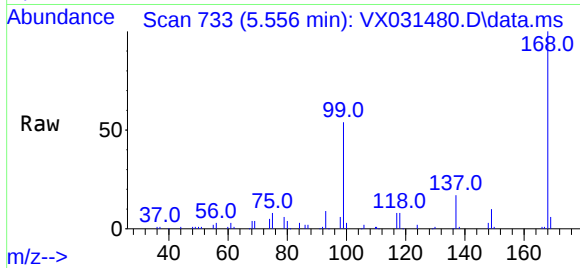




#31
Cyclohexane
Concen: 0.907 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

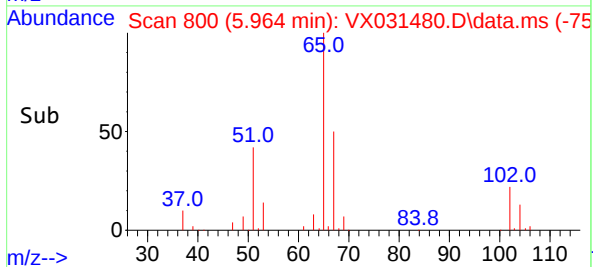
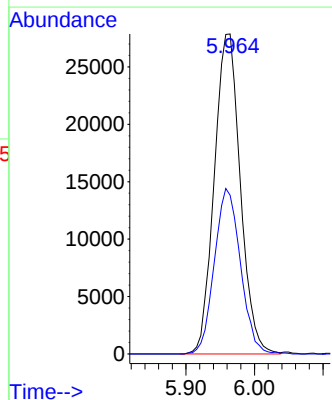
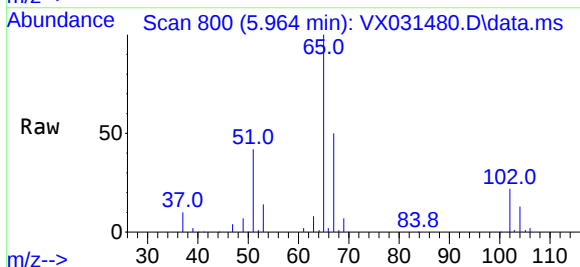
Instrument :
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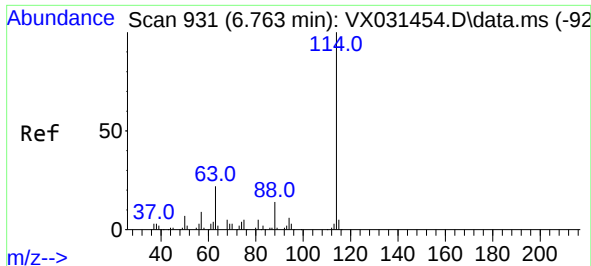
Tgt Ion: 56 Resp: 1693
Ion Ratio Lower Upper
56 100
69 152.9 25.1 37.7#
84 128.1 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 58.508 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 65 Resp: 73519
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.4

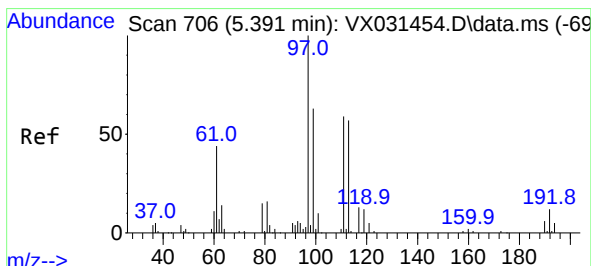
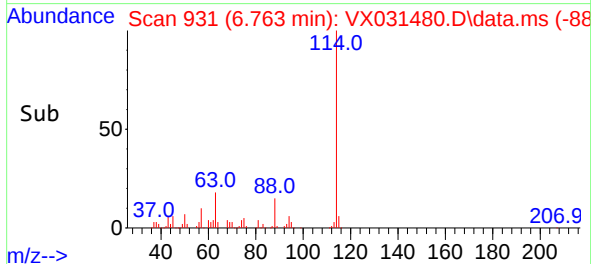
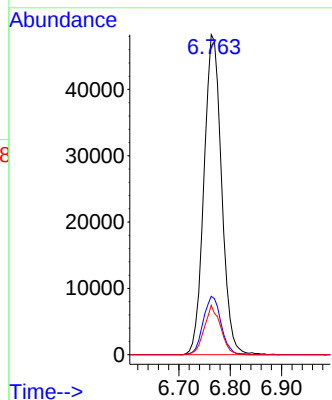
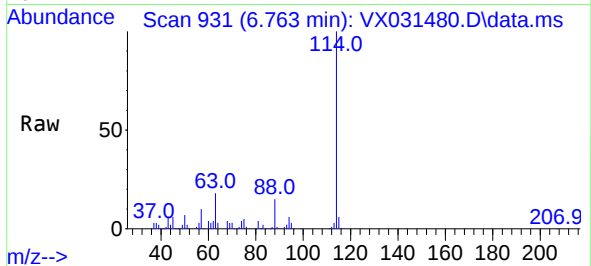




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

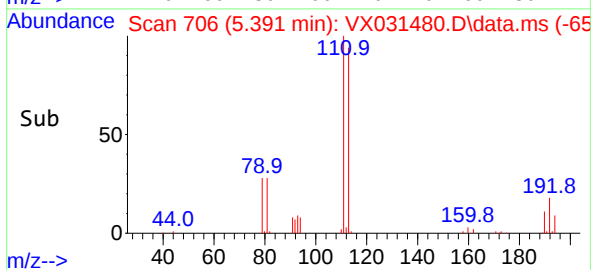
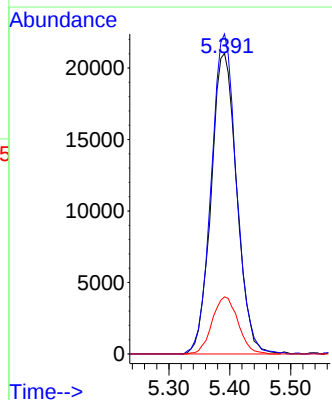
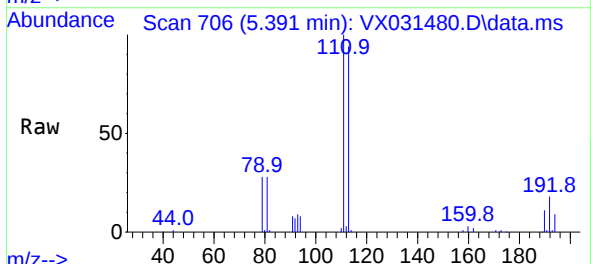
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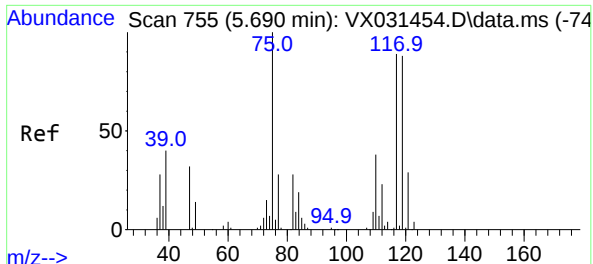
Tgt Ion:114 Resp: 114644
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.6
88 15.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.876 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion:113 Resp: 61439
Ion Ratio Lower Upper
113 100
111 104.8 82.4 123.6
192 19.1 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.041 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX031480.D

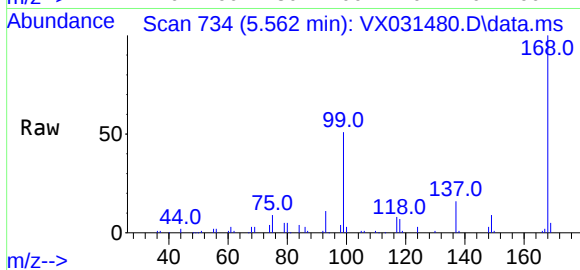
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Instrument :

MSVOA_X

ClientSampleId :

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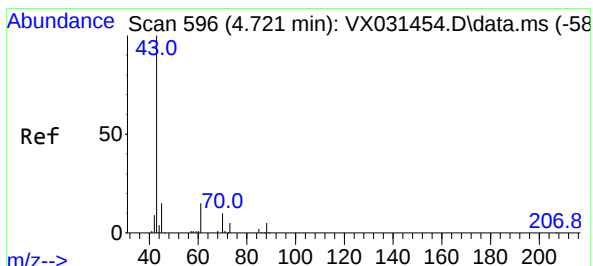
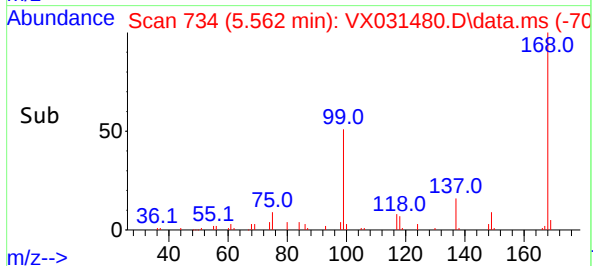
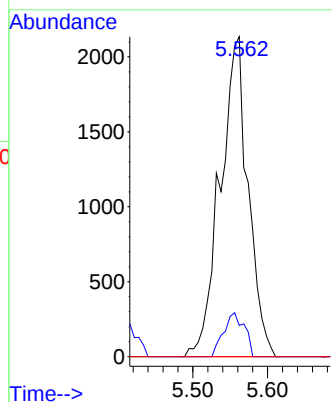
Tgt Ion: 75 Resp: 5542

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.976 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX031480.D

Acq: 19 Sep 2022 23:07

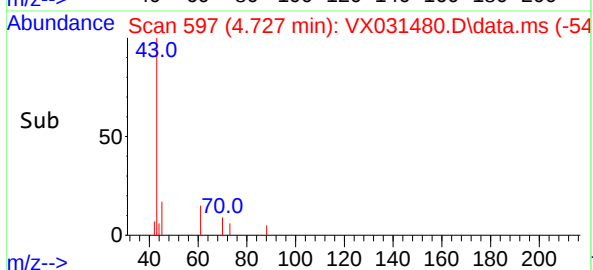
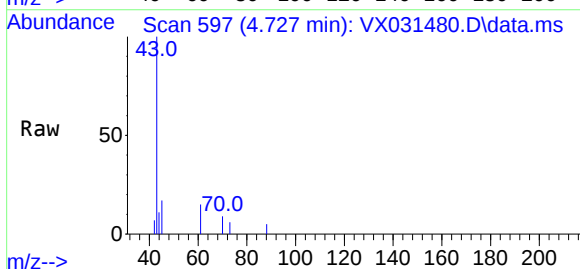
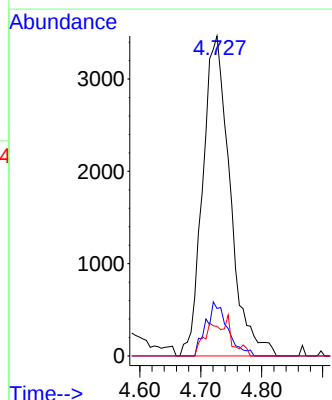
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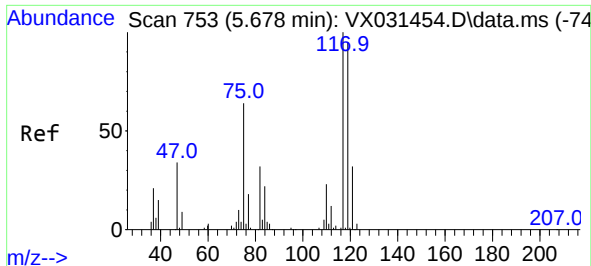
Ion Ratio Lower Upper

43 100

61 13.4 11.1 16.7

70 6.2 8.6 13.0#

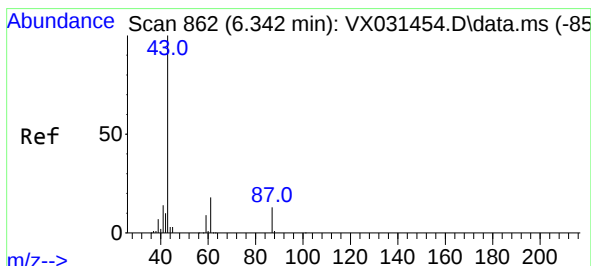
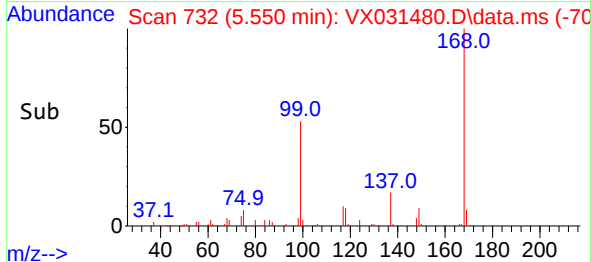
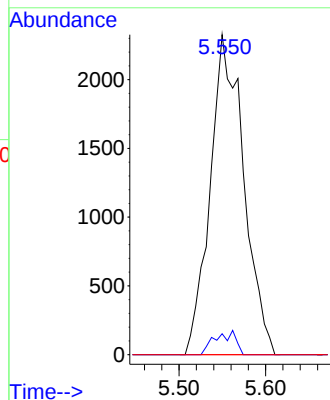
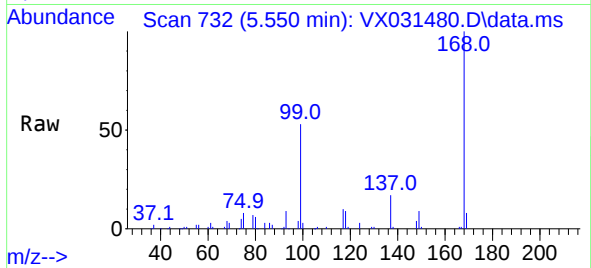




#38
Carbon Tetrachloride
Concen: 3.095 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

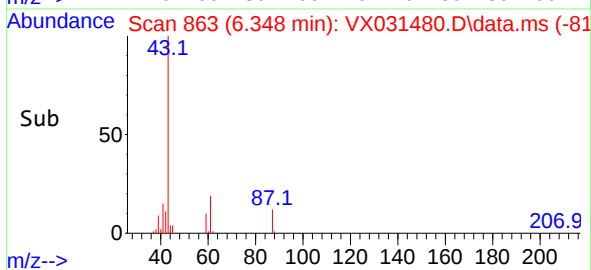
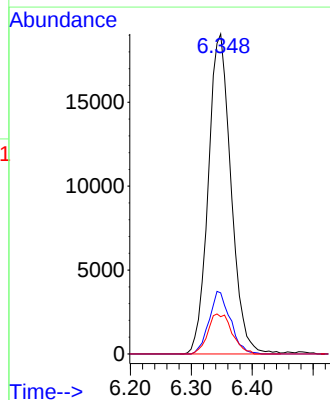
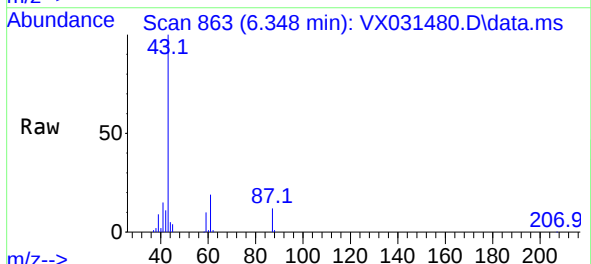
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

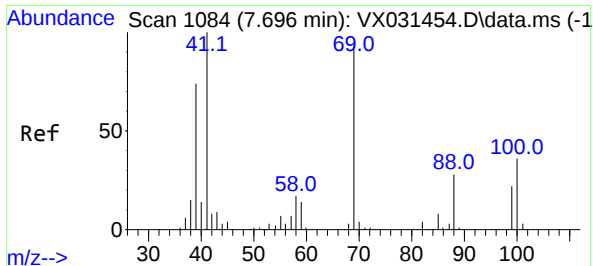
Tgt Ion:117 Resp: 6252
Ion Ratio Lower Upper
117 100
119 6.5 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 14.787 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 43 Resp: 49407
Ion Ratio Lower Upper
43 100
61 18.3 15.3 22.9
87 13.3 10.6 15.8





#48

Methyl methacrylate

Concen: 32.970 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031480.D

Acq: 19 Sep 2022 23:07

Instrument :

MSVOA_X

ClientSampleId :

PB147695TB

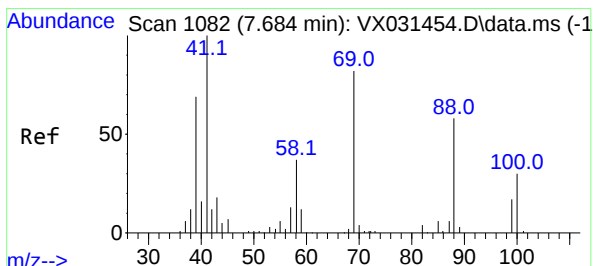
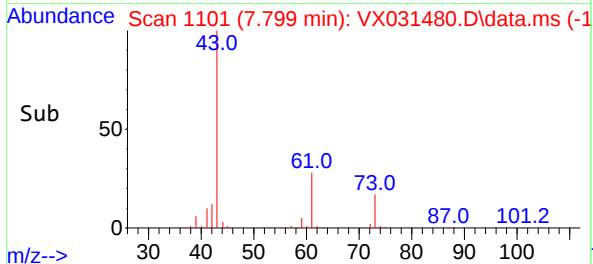
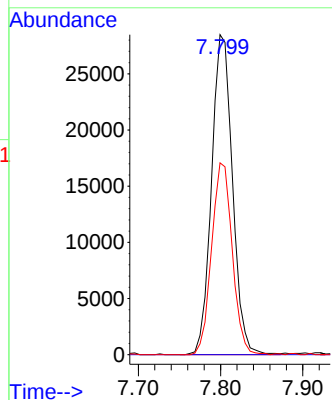
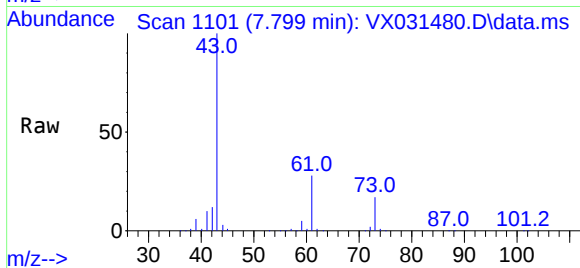
Tgt Ion: 41 Resp: 50328

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 59.2 51.4 77.0



#49

1,4-Dioxane

Concen: 1.406 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

Lab File: VX031480.D

Acq: 19 Sep 2022 23:07

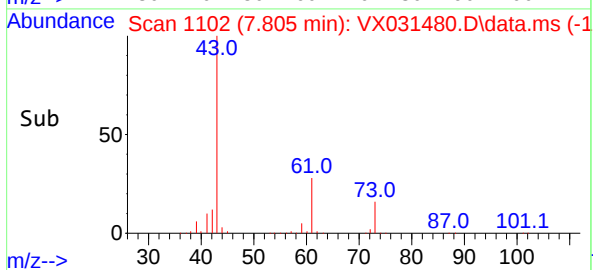
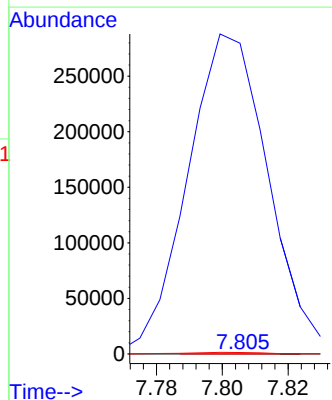
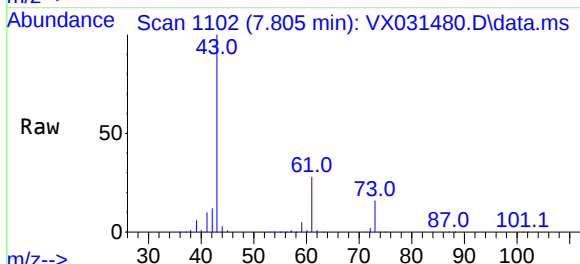
Tgt Ion: 88 Resp: 49

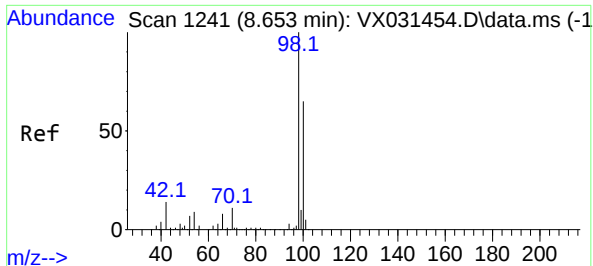
Ion Ratio Lower Upper

88 100

43 1011316.3 27.1 40.7#

58 4844.9 53.9 80.9#

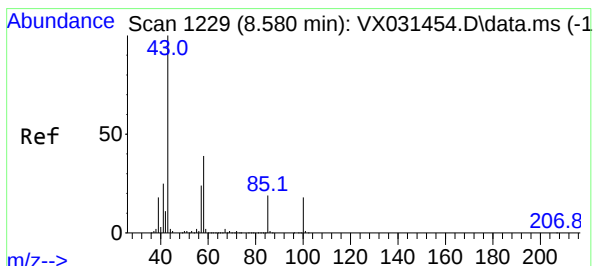
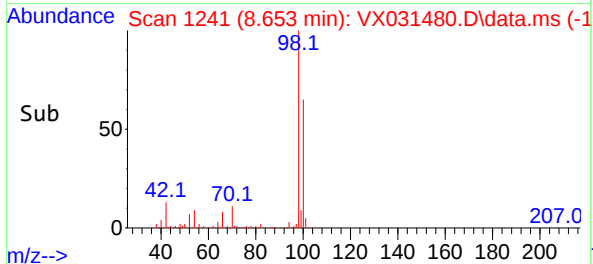
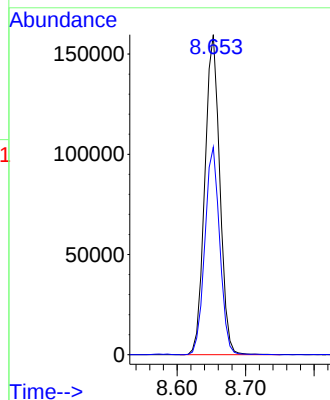
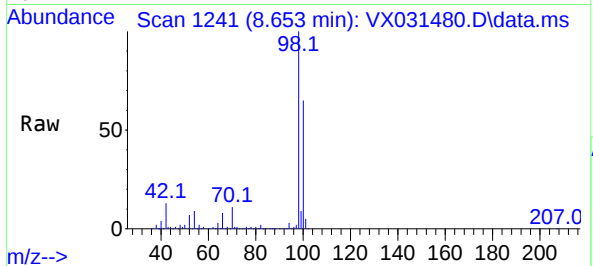




#50
Toluene-d8
Concen: 53.147 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

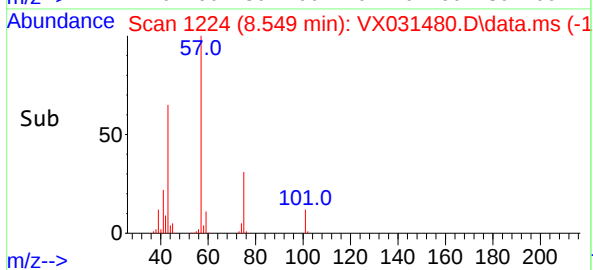
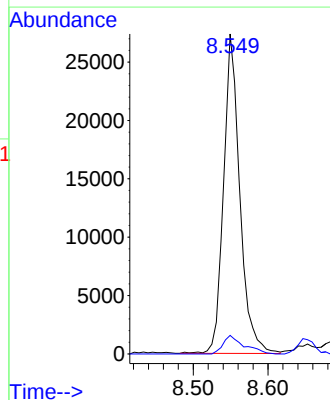
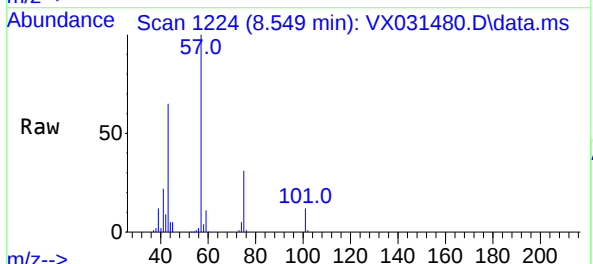
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

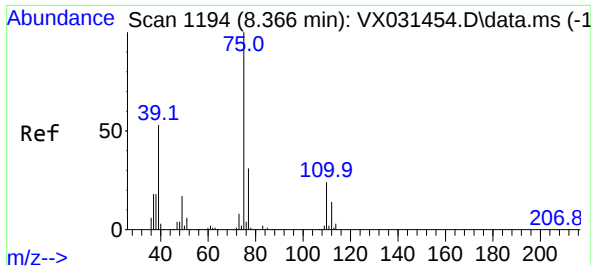
Tgt Ion: 98 Resp: 242752
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 19.332 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 43 Resp: 41547
Ion Ratio Lower Upper
43 100
58 7.4 30.6 46.0#

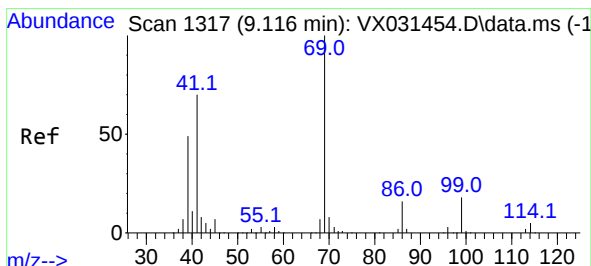
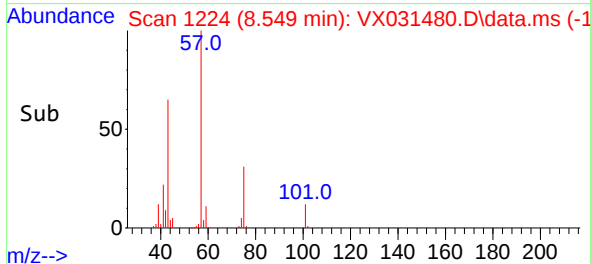
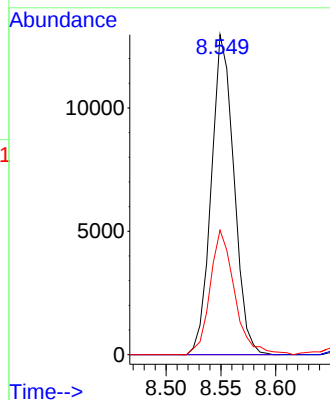
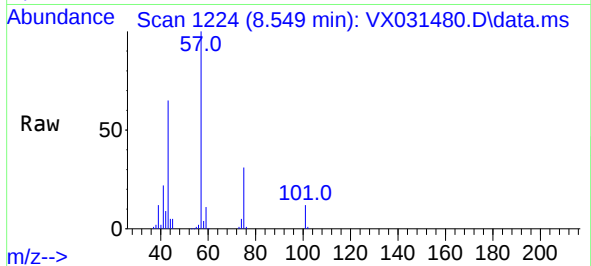




#54
cis-1,3-Dichloropropene
Concen: 8.333 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

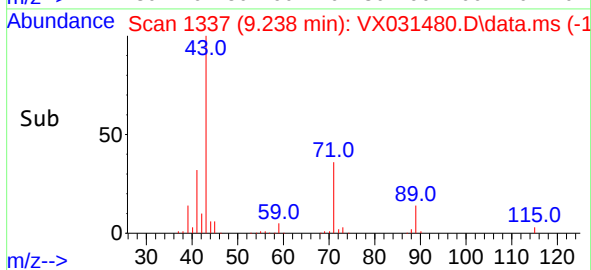
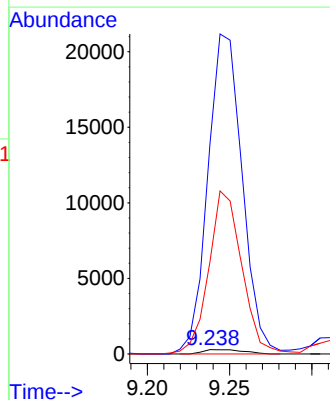
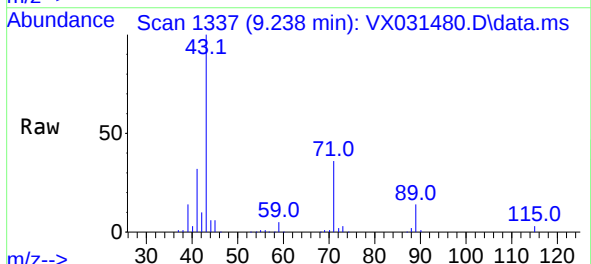
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

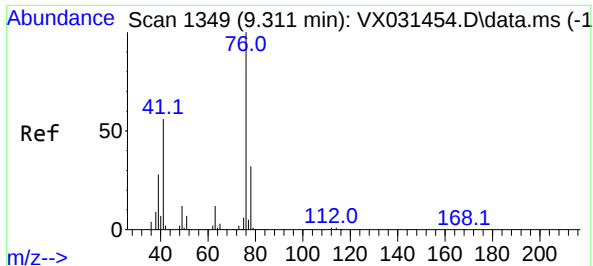
Tgt Ion: 75 Resp: 18652
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 38.9 43.7 65.5#



#56
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 69 Resp: 488
Ion Ratio Lower Upper
69 100
41 6328.3 54.2 81.4#
39 3103.3 34.2 51.2#

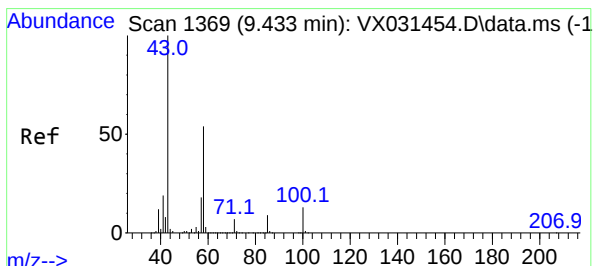
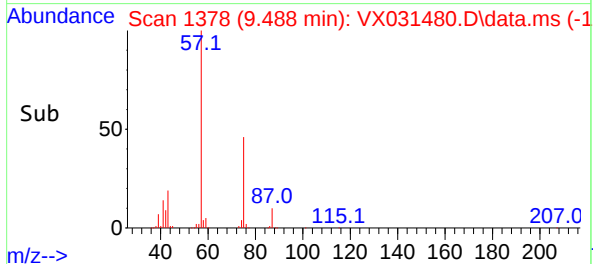
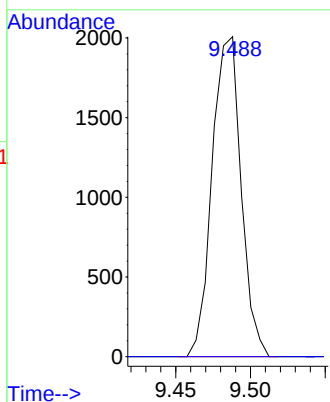
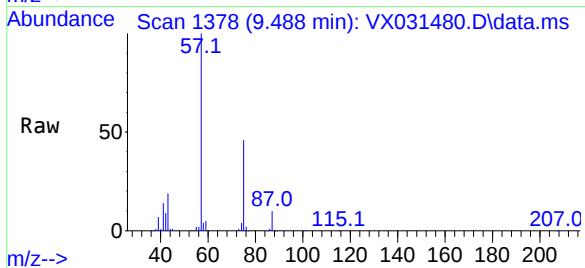




#57
1,3-Dichloropropane
Concen: 1.129 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

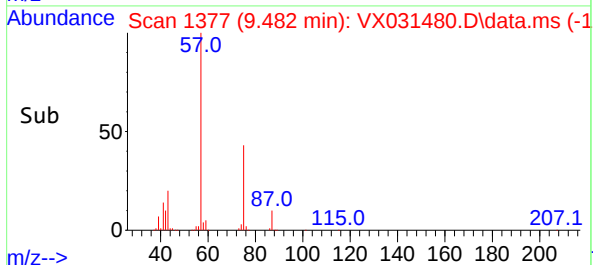
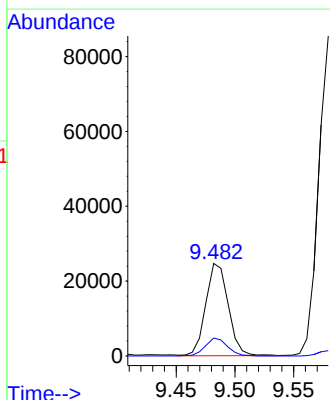
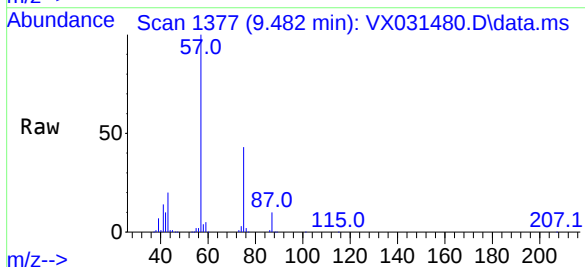
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

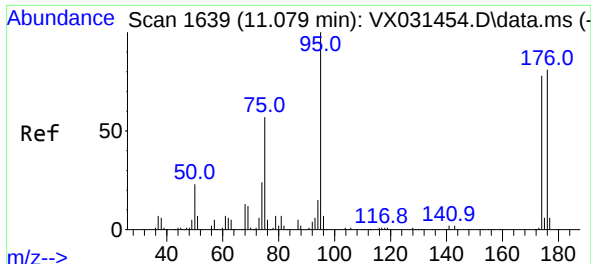
Tgt Ion: 76 Resp: 2707
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 20.338 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 43 Resp: 32827
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.0#

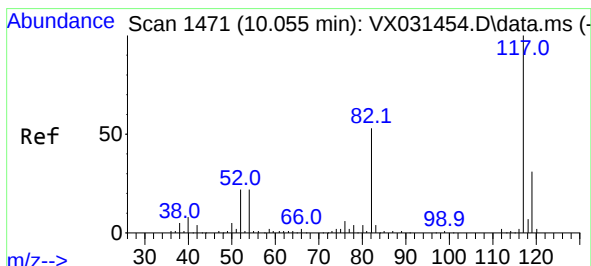
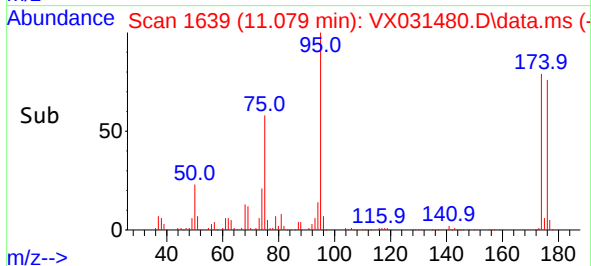
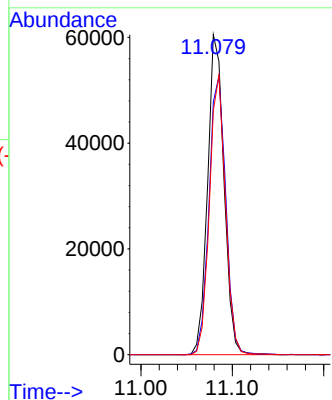
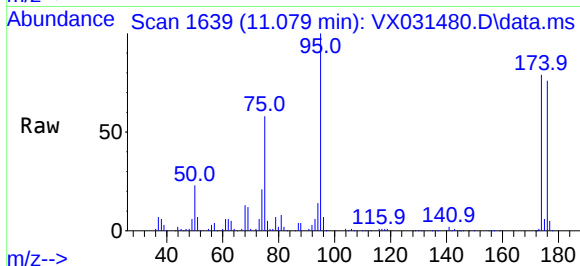




#62
4-Bromofluorobenzene
Concen: 48.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

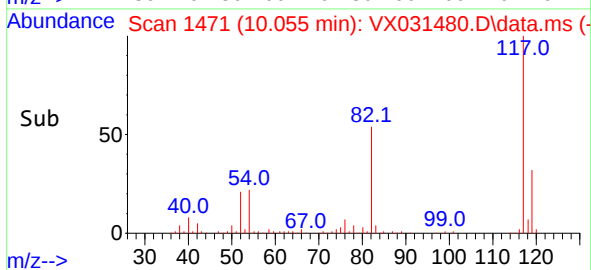
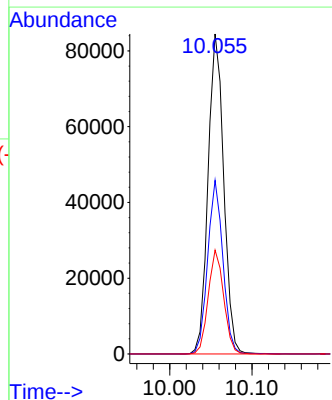
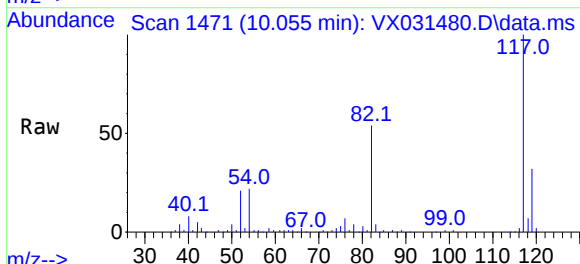
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

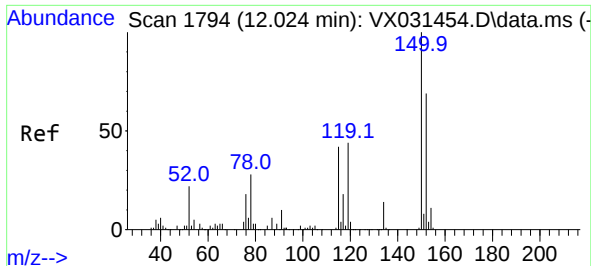
Tgt Ion: 95 Resp: 75089
Ion Ratio Lower Upper
95 100
174 89.3 0.0 153.2
176 85.4 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

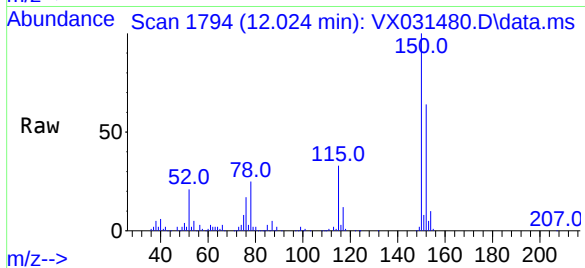
Tgt Ion: 117 Resp: 111666
Ion Ratio Lower Upper
117 100
82 54.3 46.8 70.2
119 32.5 26.4 39.6



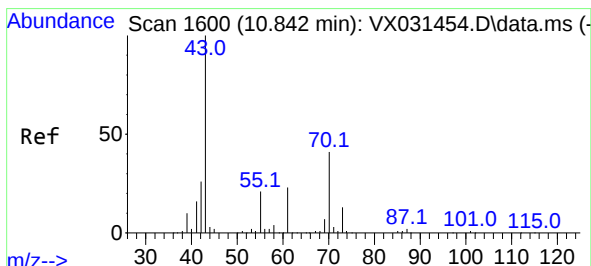
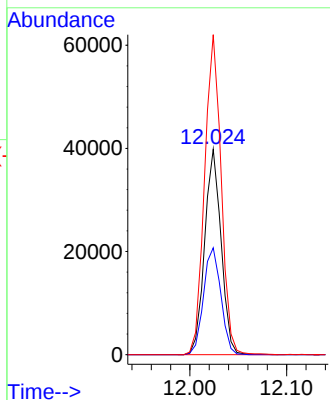
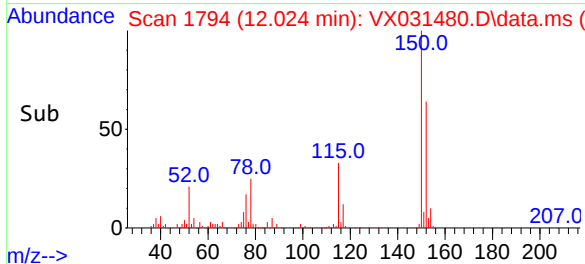


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

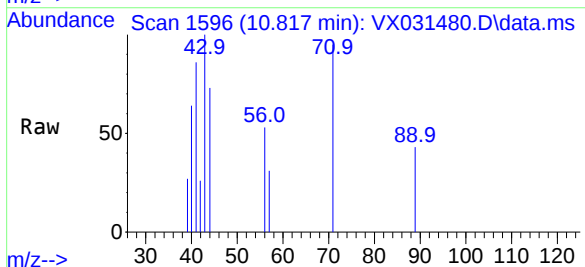
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB



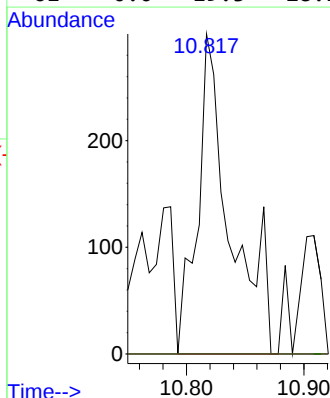
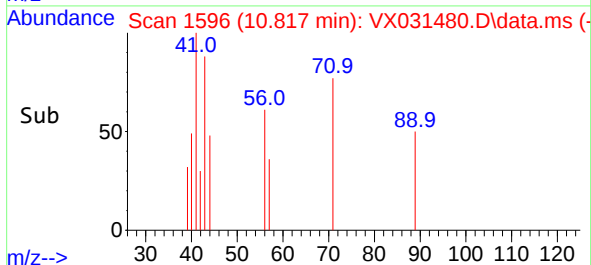
Tgt Ion:152 Resp: 47151
Ion Ratio Lower Upper
152 100
115 54.8 43.4 130.1
150 157.1 0.0 346.8

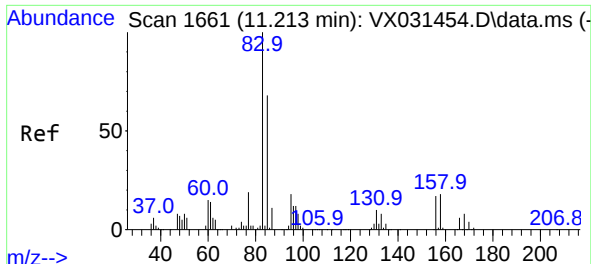


#74
N-ethyl acetate
Concen: 0.404 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07



Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

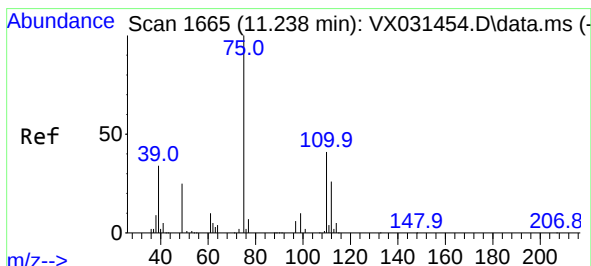
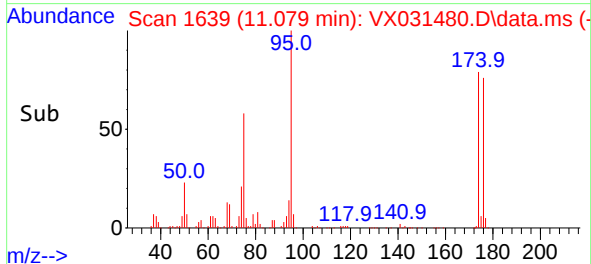
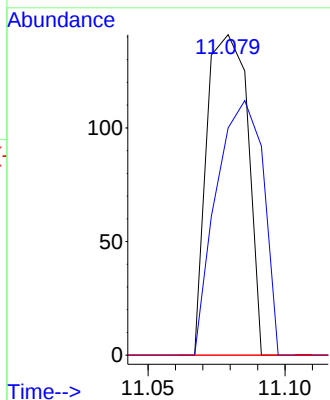
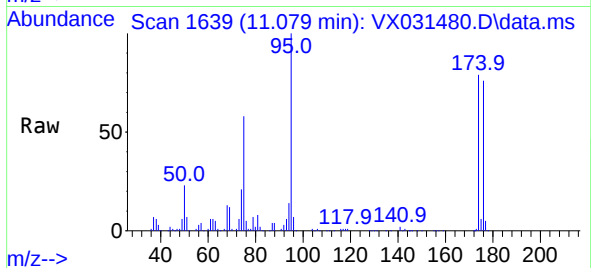




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

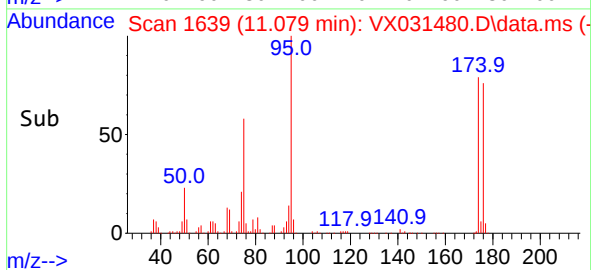
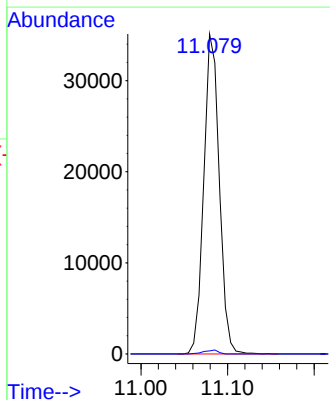
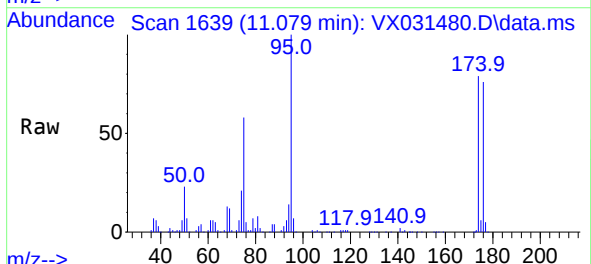
Instrument :
MSVOA_X
ClientSampleId :
PB147695TB

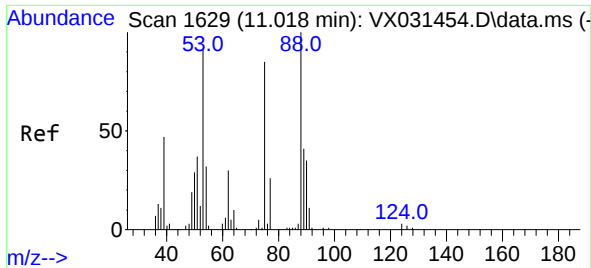
Tgt Ion: 83 Resp: 146
Ion Ratio Lower Upper
83 100
131 91.8 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 41.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031480.D
Acq: 19 Sep 2022 23:07

Tgt Ion: 75 Resp: 43668
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.609 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031480.D
 Acq: 19 Sep 2022 23:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147695TB

Tgt Ion: 75 Resp: 43668
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

