

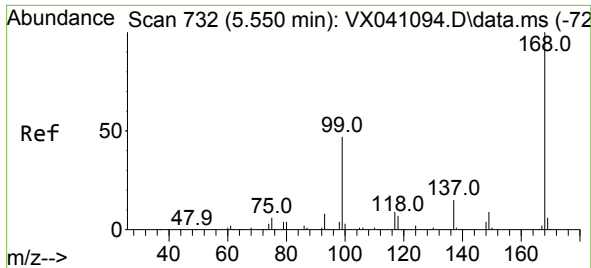
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042224\
 Data File : VX041197.D
 Acq On : 22 Apr 2024 18:06
 Operator : JC/MD
 Sample : PB160403TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB160403TB

Quant Time: Apr 23 05:39:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	237925	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	351945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120576	53.238	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.385	113	104271	48.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.420%			
50) Toluene-d8	8.647	98	401535	55.592	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.180%			
62) 4-Bromofluorobenzene	11.079	95	144006	54.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.040%			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	352	0.307	ug/l	# 80
11) Tert butyl alcohol	3.013	59	456	1.124	ug/l	# 78
16) Acetone	2.398	43	33804	41.004	ug/l	99
18) Methyl Acetate	2.715	43	2258	0.926	ug/l	98
20) Methylene Chloride	2.782	84	6117	3.038	ug/l	92
25) 2-Butanone	4.605	43	3791	2.693	ug/l	92
31) Cyclohexane	5.550	56	3526	1.157	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	13907	5.077	ug/l	# 51
37) Ethyl Acetate	4.739	43	3092	1.029	ug/l	# 95
38) Carbon Tetrachloride	5.544	117	19649	6.422	ug/l	# 15
43) Isopropyl Acetate	6.348	43	130235	26.901	ug/l	97
48) Methyl methacrylate	7.799	41	108948	47.578	ug/l	# 46
49) 1,4-Dioxane	7.805	88	198	4.017	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	96717	31.917	ug/l	# 51
52) Toluene	8.720	92	1185	0.222	ug/l	89
53) t-1,3-Dichloropropene	8.958	75	893	0.327	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47250	15.199	ug/l	# 55
57) 1,3-Dichloropropane	9.482	76	5742	1.668	ug/l	# 42
59) 2-Hexanone	9.482	43	79784	34.334	ug/l	# 54
74) N-amyl acetate	10.640	43	25003	7.181	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	69246	30.184	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	69246	85.159	ug/l	# 5

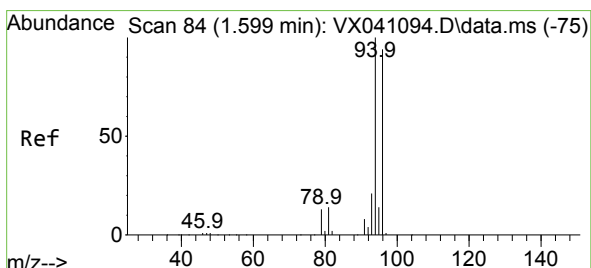
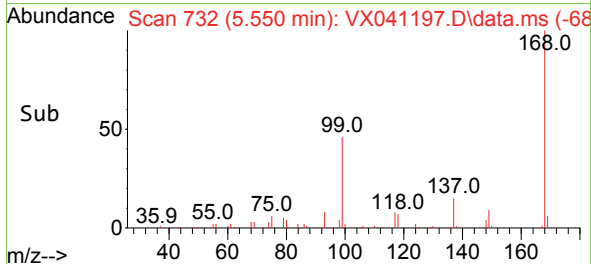
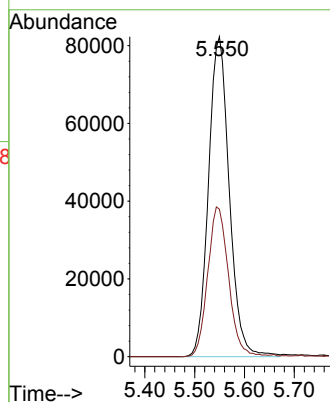
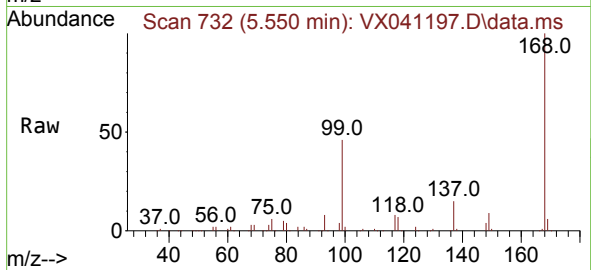
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

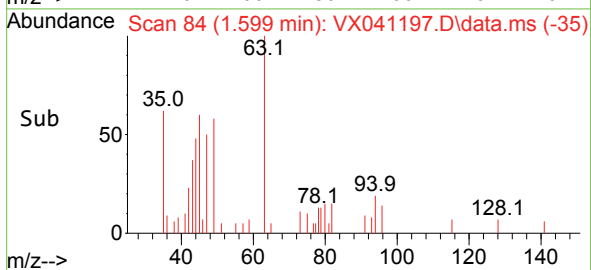
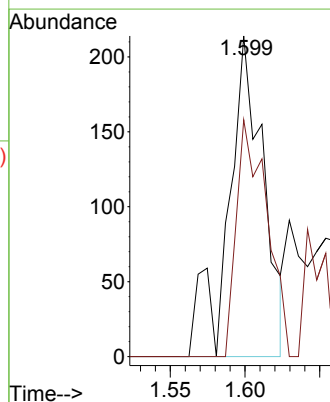
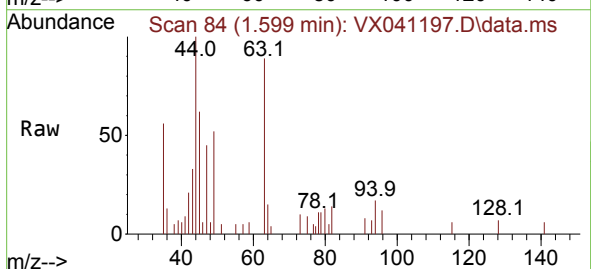
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

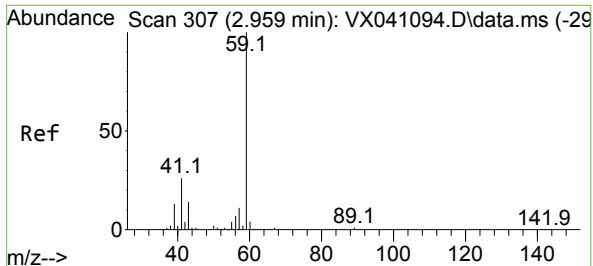
Tgt Ion:168 Resp: 237925
Ion Ratio Lower Upper
168 100
99 46.1 56.6 85.0#



#5
Bromomethane
Concen: 0.307 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 73.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.124 ug/l

RT: 3.013 min Scan# 31

Delta R.T. -0.049 min

Lab File: VX041197.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_X

ClientSampleId :

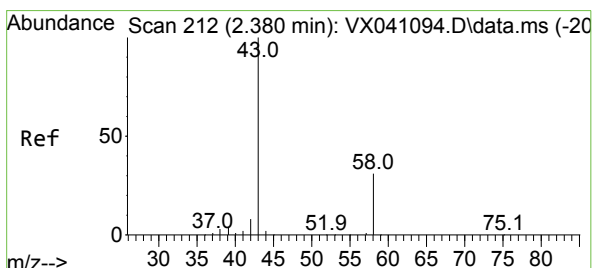
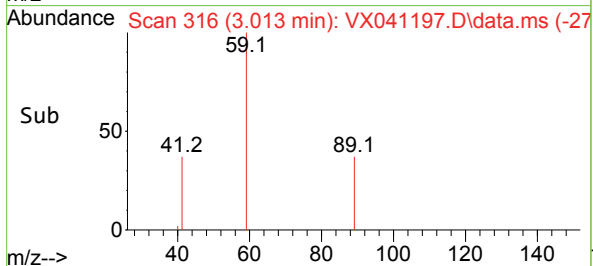
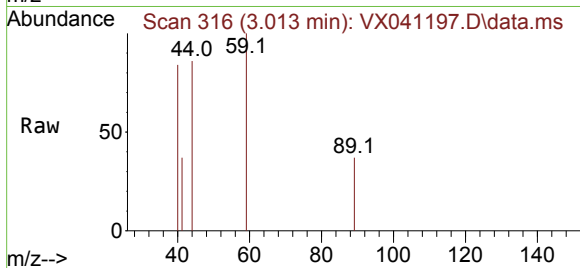
PB160403TB

Tgt Ion: 59 Resp: 456

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 41.004 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX041197.D

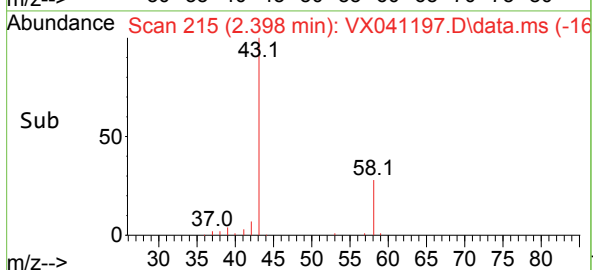
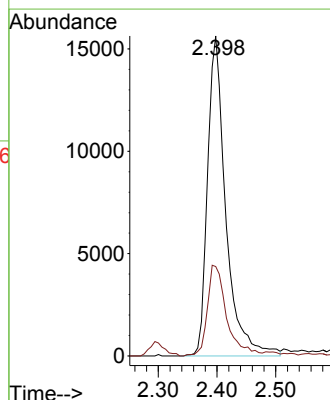
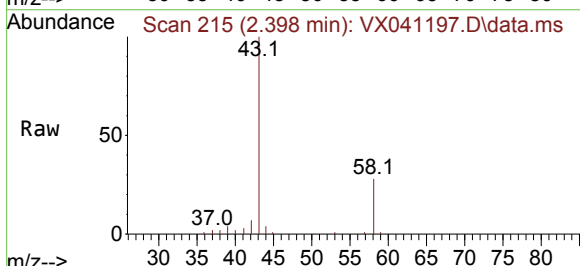
Acq: 22 Apr 2024 18:06

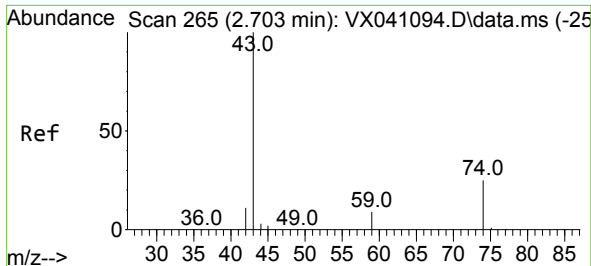
Tgt Ion: 43 Resp: 33804

Ion Ratio Lower Upper

43 100

58 28.0 21.9 32.9

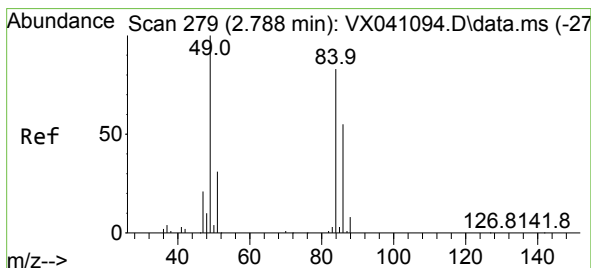
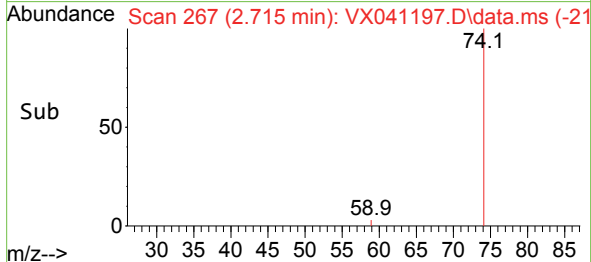
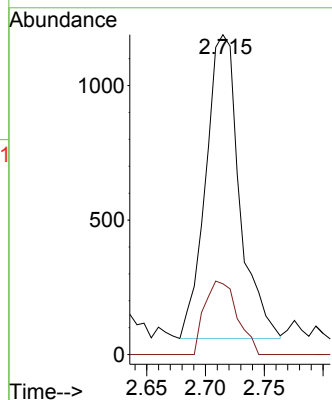
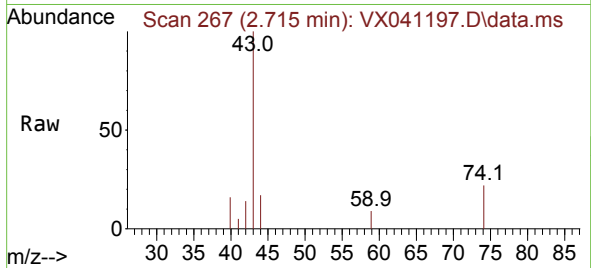




#18
Methyl Acetate
Concen: 0.926 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

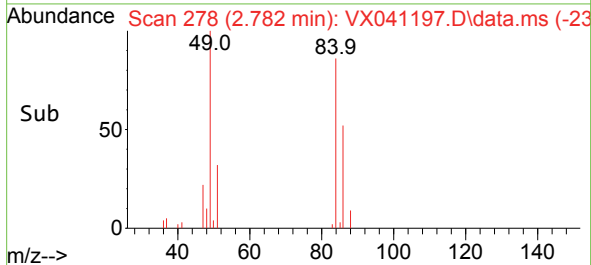
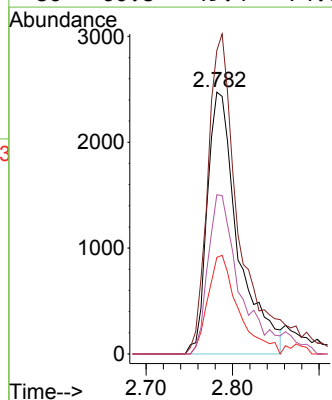
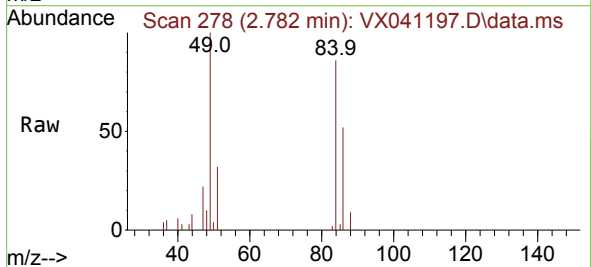
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

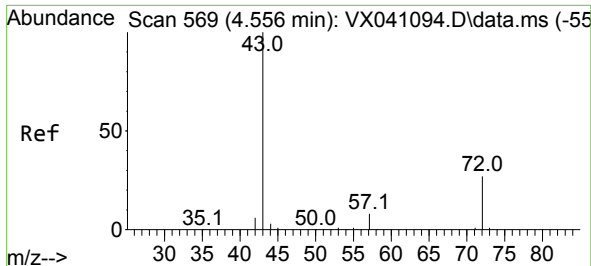
Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
74 23.4 17.8 26.8



#20
Methylene Chloride
Concen: 3.038 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 84 Resp: 6117
Ion Ratio Lower Upper
84 100
49 115.9 103.6 155.4
51 36.9 33.8 50.6
86 60.8 49.4 74.0

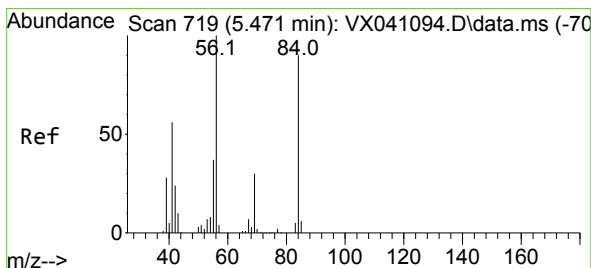
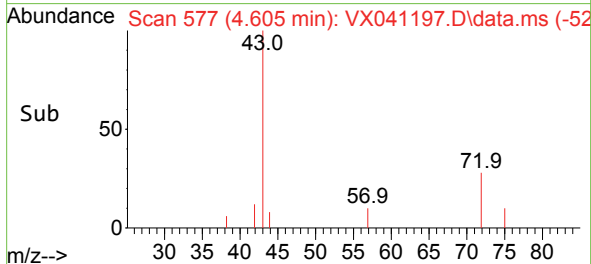
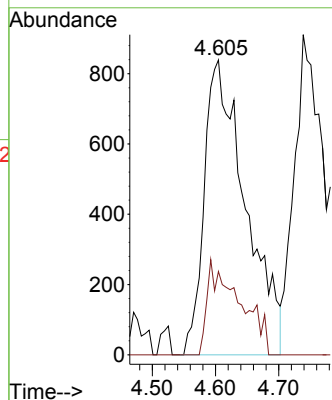
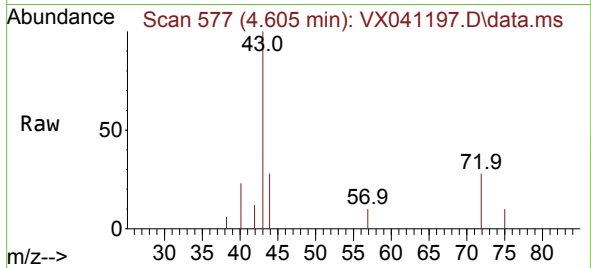




#25
2-Butanone
Concen: 2.693 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

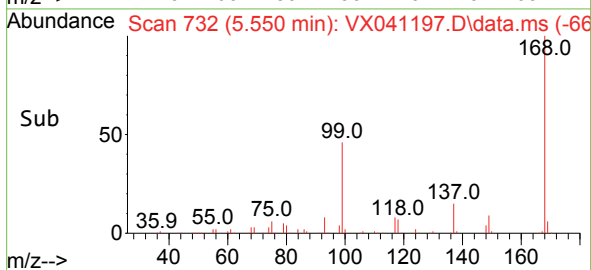
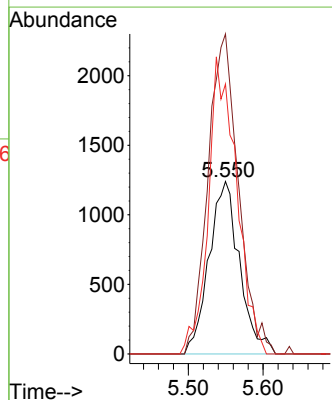
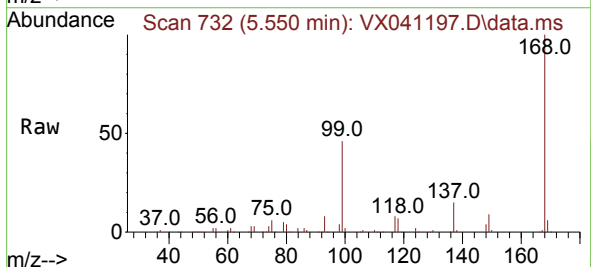
Instrument :
MSVOA_X
ClientSampleId :
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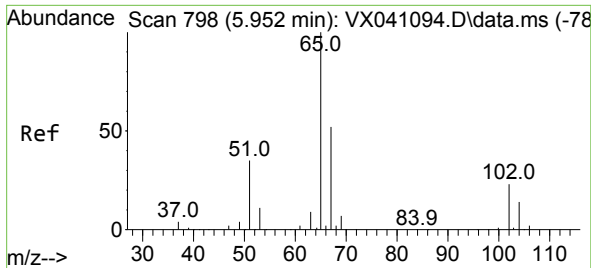
Tgt Ion: 43 Resp: 3791
Ion Ratio Lower Upper
43 100
72 28.2 19.4 29.2



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 56 Resp: 3526
Ion Ratio Lower Upper
56 100
69 185.5 23.4 35.2#
84 156.5 65.9 98.9#

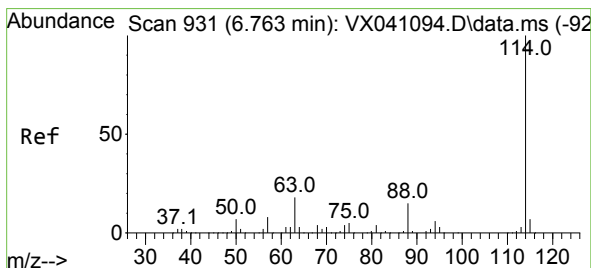
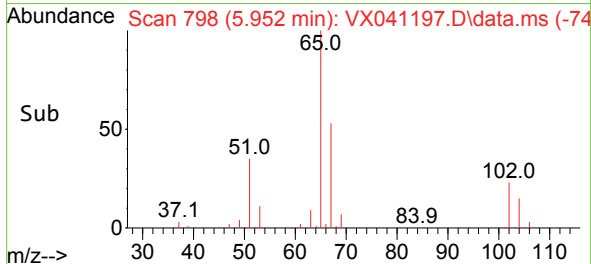
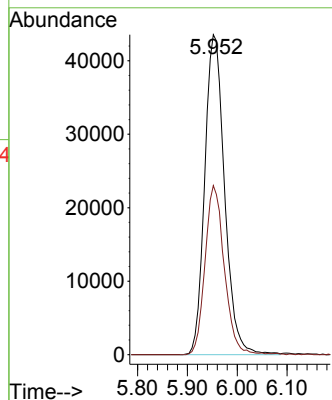
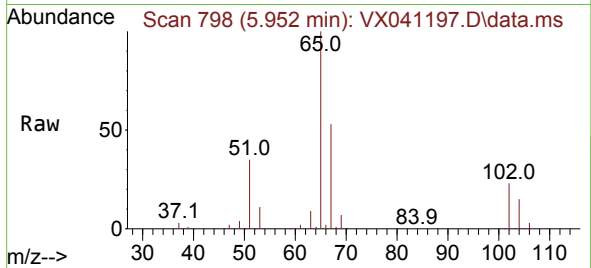




#33
 1,2-Dichloroethane-d4
 Concen: 53.238 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

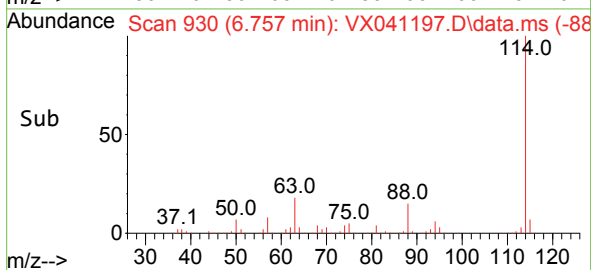
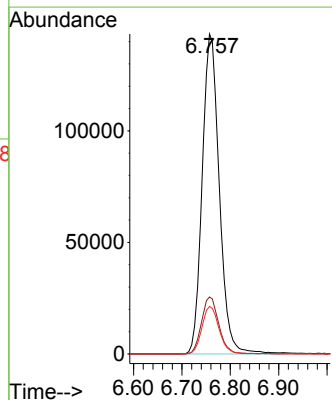
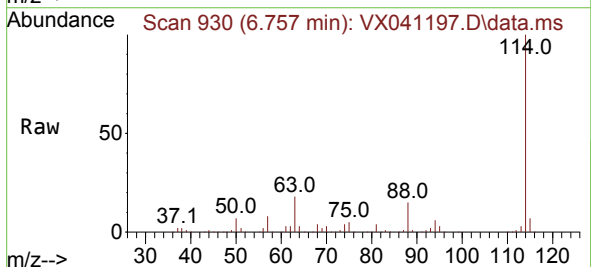
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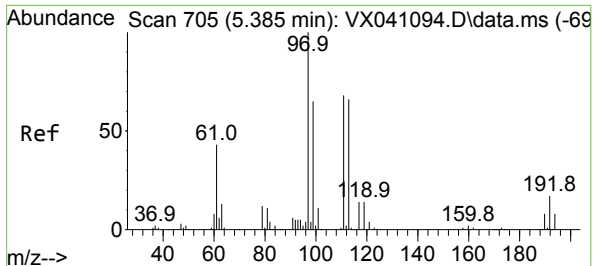
Tgt Ion: 65 Resp: 120576
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 114 Resp: 351945
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 45.0
 88 14.9 0.0 36.6

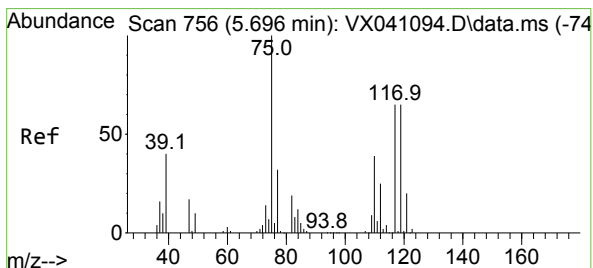
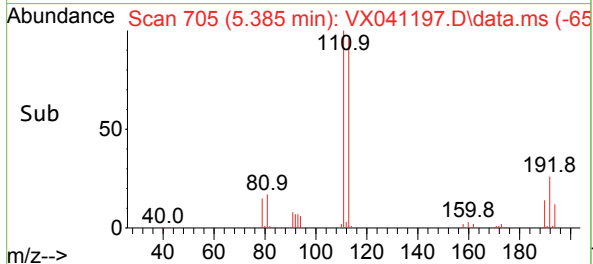
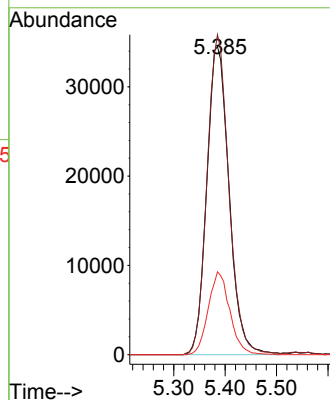
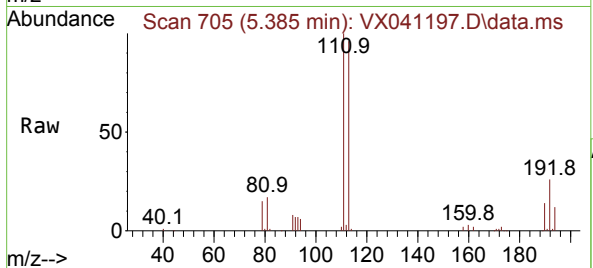




#35
Dibromofluoromethane
Concen: 48.706 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

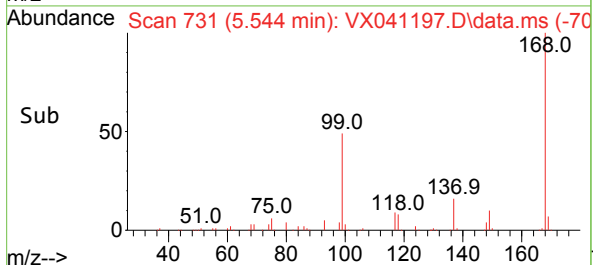
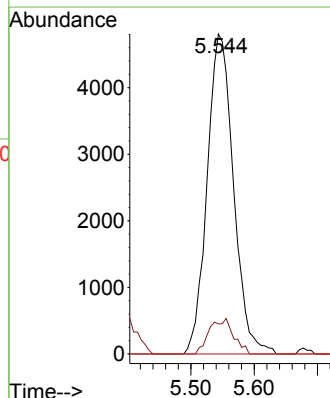
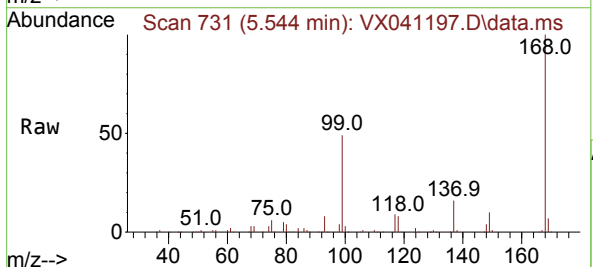
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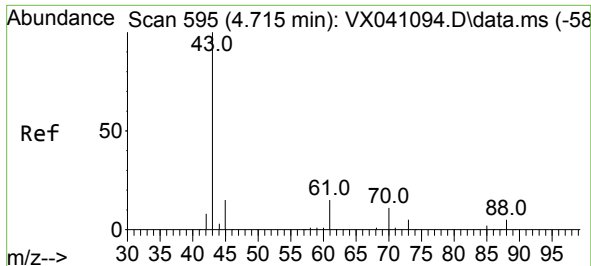
Tgt Ion:113 Resp: 104271
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 25.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 75 Resp: 13907
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.029 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.018 min

Lab File: VX041197.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_X

ClientSampleId :

PB160403TB

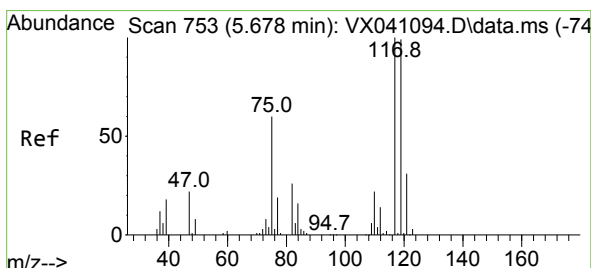
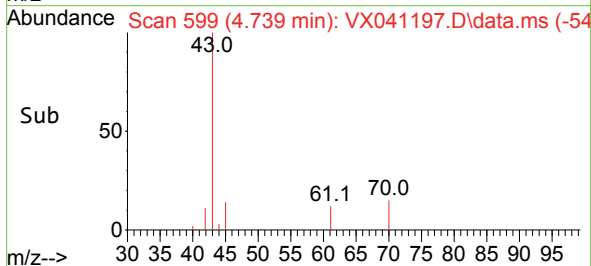
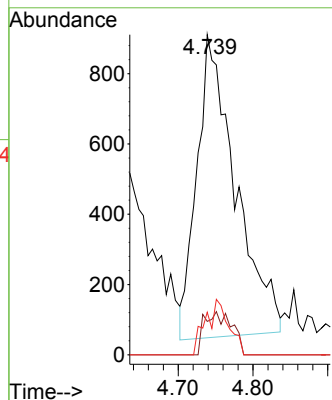
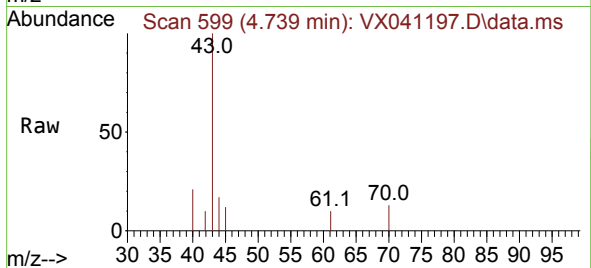
Tgt Ion: 43 Resp: 3092

Ion Ratio Lower Upper

43 100

61 10.2 10.6 16.0#

70 11.0 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.422 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX041197.D

Acq: 22 Apr 2024 18:06

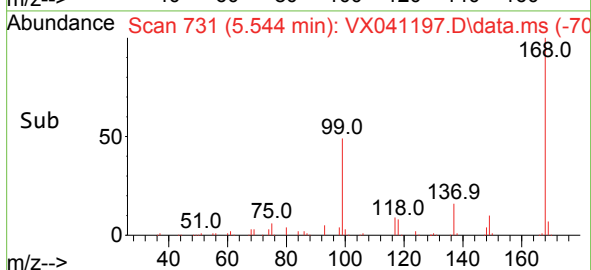
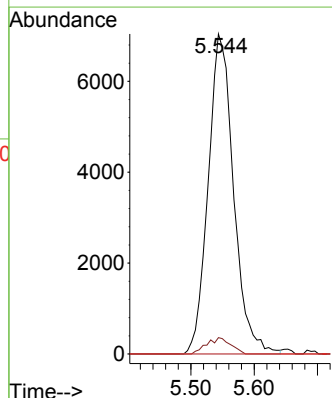
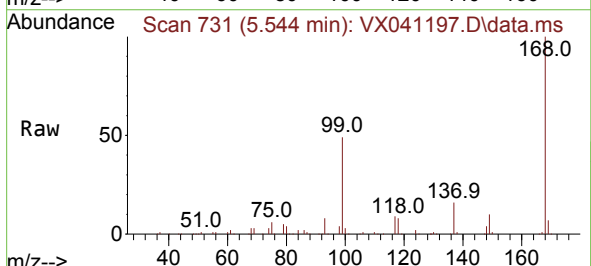
Tgt Ion: 117 Resp: 19649

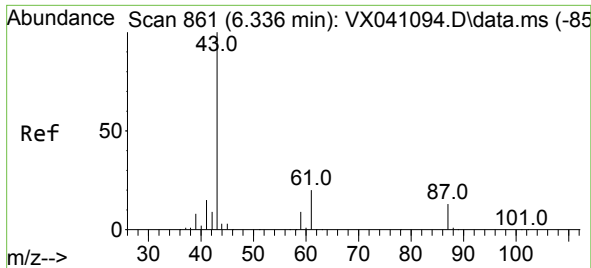
Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 24.4 36.6#

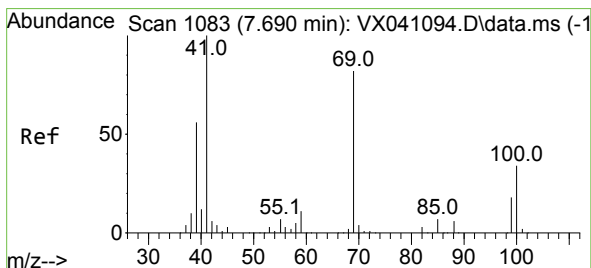
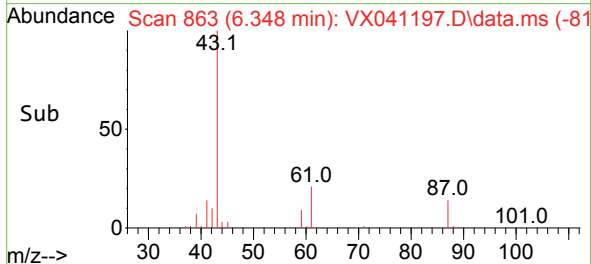
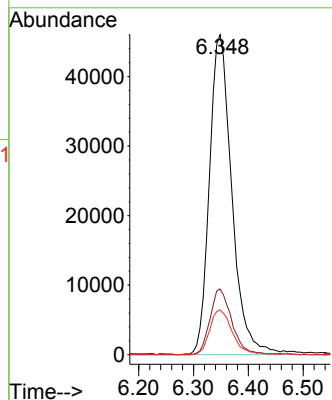
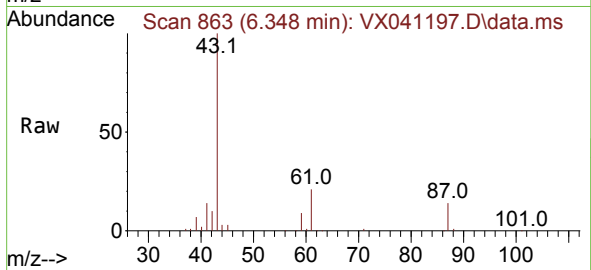




#43
Isopropyl Acetate
Concen: 26.901 ug/l
RT: 6.348 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

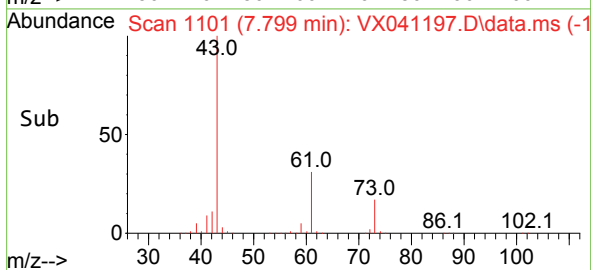
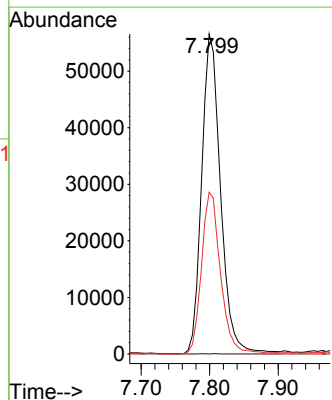
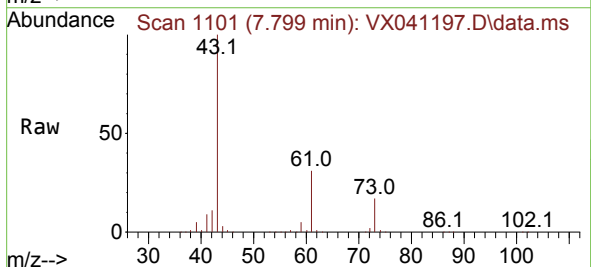
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

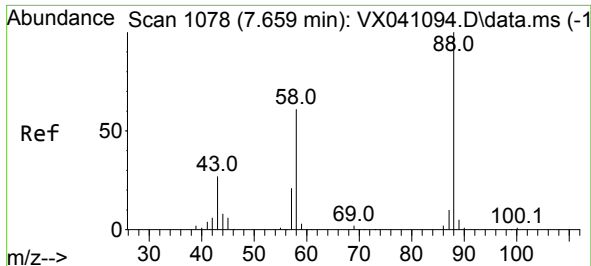
Tgt Ion: 43 Resp: 130235
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 14.1 9.8 14.6



#48
Methyl methacrylate
Concen: 47.578 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 41 Resp: 108948
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 50.8 47.7 71.5

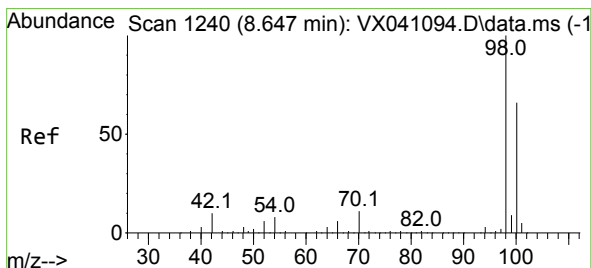
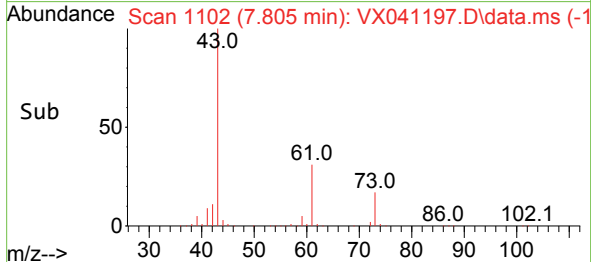
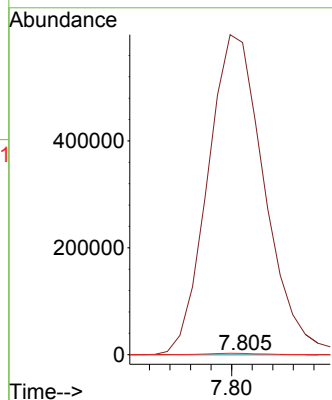
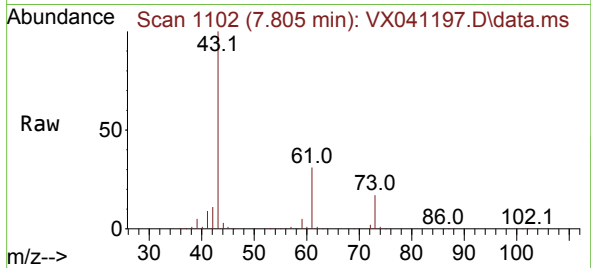




#49
1,4-Dioxane
Concen: 4.017 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.128 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

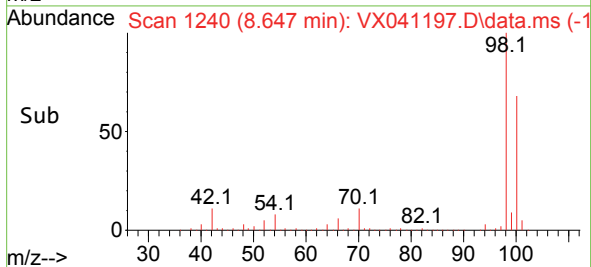
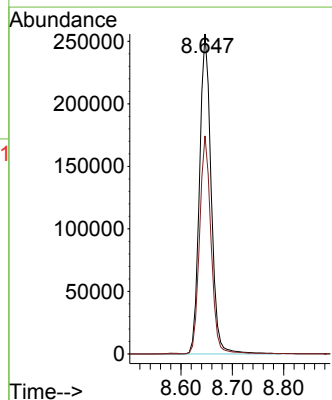
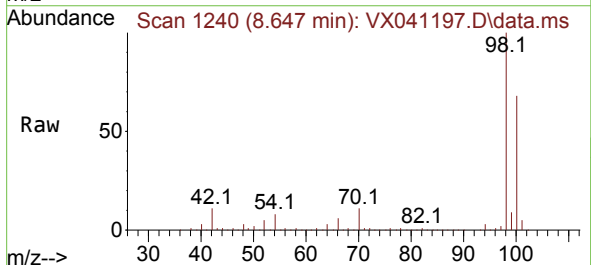
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

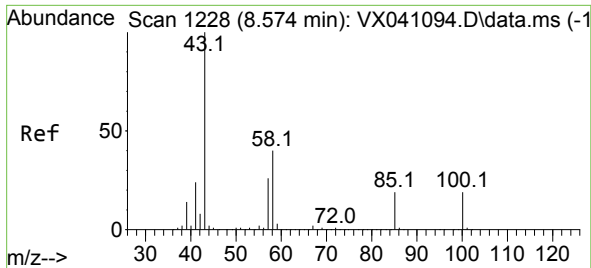
Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
43 590627.3 0.0 0.0#
58 2623.7 60.1 90.1#



#50
Toluene-d8
Concen: 55.592 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 98 Resp: 401535
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

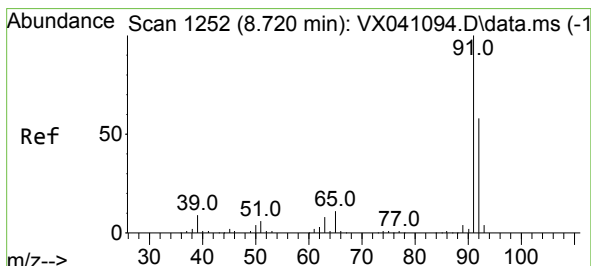
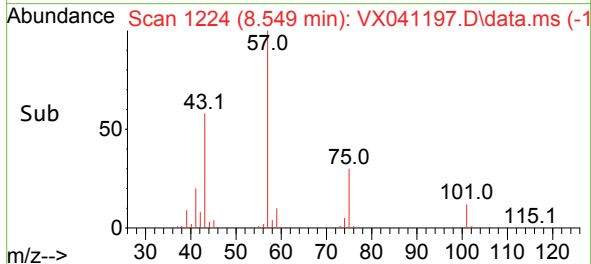
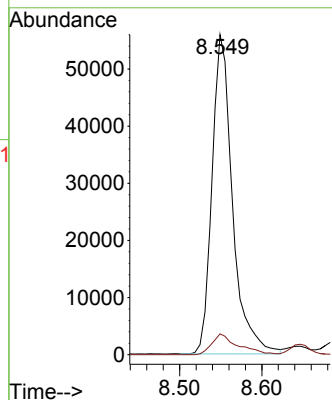
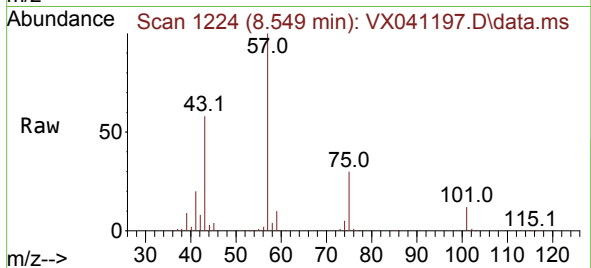




#51
4-Methyl-2-Pentanone
Concen: 31.917 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

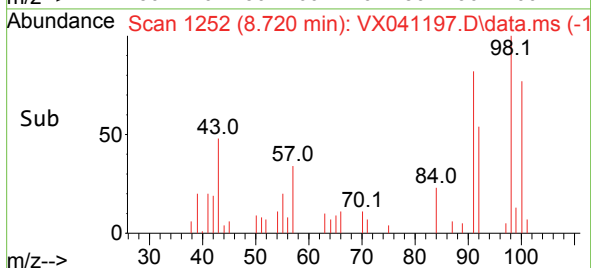
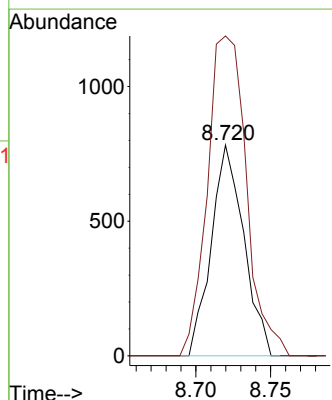
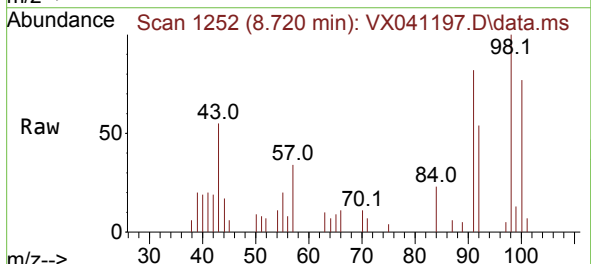
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

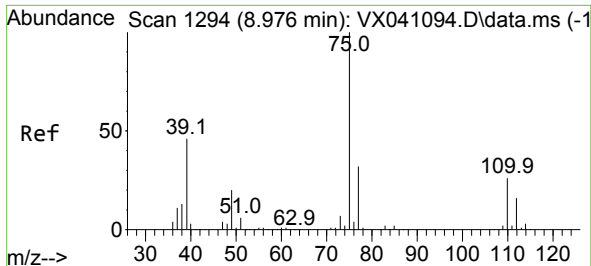
Tgt Ion: 43 Resp: 96717
Ion Ratio Lower Upper
43 100
58 8.3 30.4 45.6#



#52
Toluene
Concen: 0.222 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 92 Resp: 1185
Ion Ratio Lower Upper
92 100
91 182.2 134.2 201.2

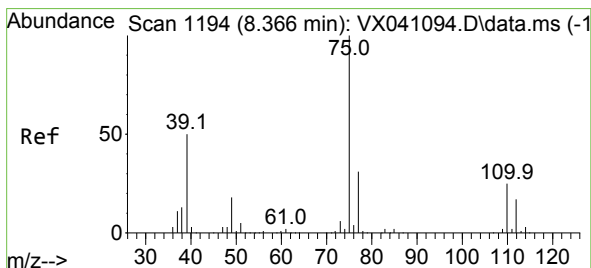
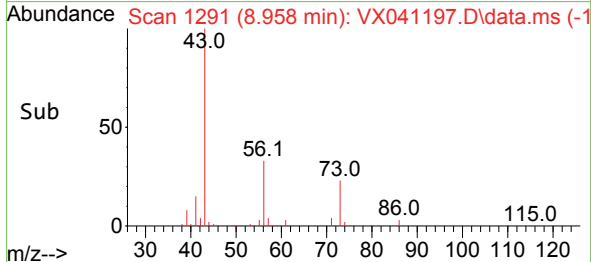
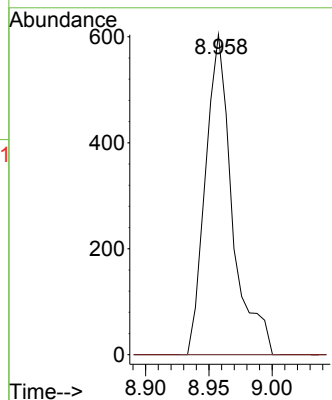
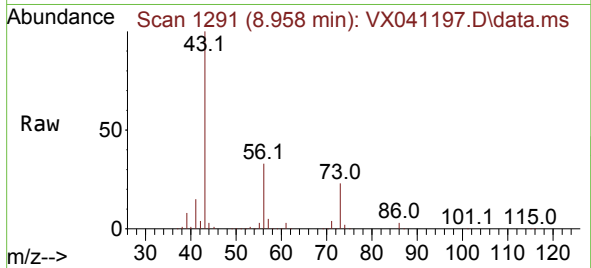




#53
 t-1,3-Dichloropropene
 Concen: 0.327 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

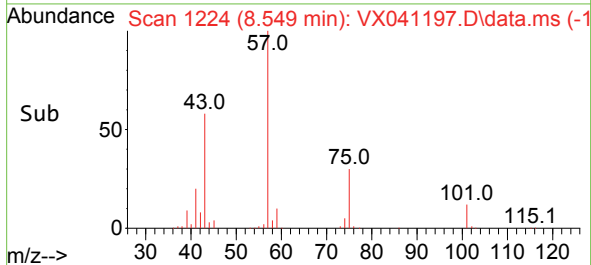
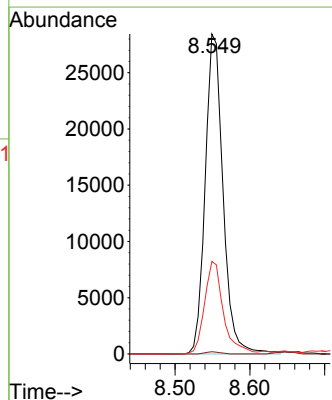
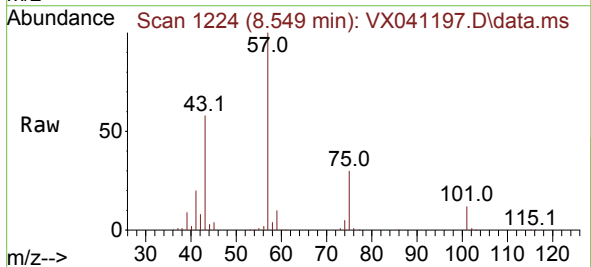
Instrument :
 MSVOA_X
 ClientSampleId :
 PB160403TB

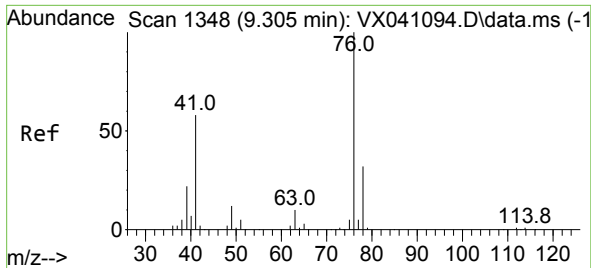
Tgt Ion: 75 Resp: 893
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.199 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 75 Resp: 47250
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 28.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.668 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX041197.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_X

ClientSampleId :

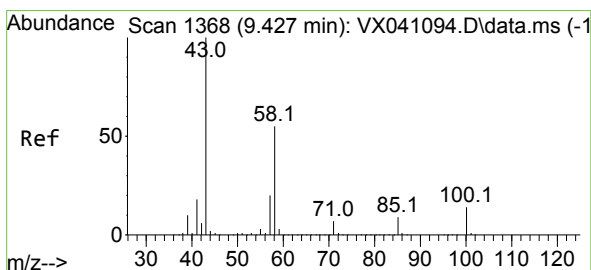
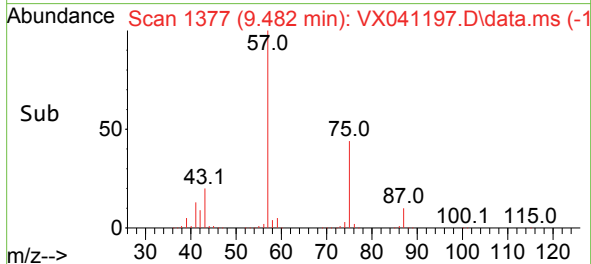
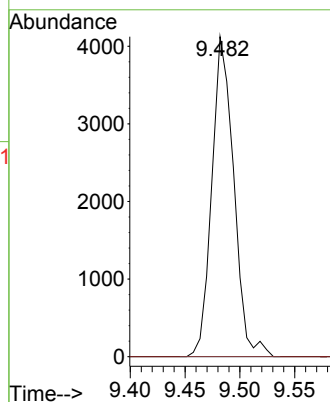
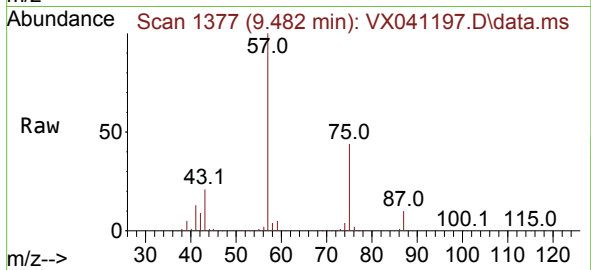
PB160403TB

Tgt Ion: 76 Resp: 5742

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.334 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041197.D

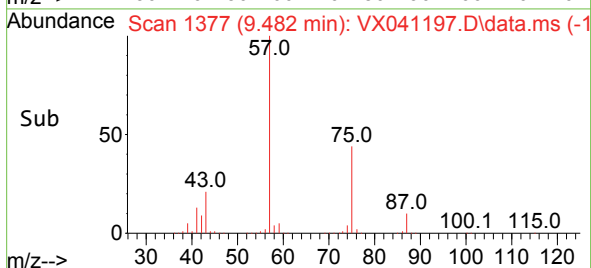
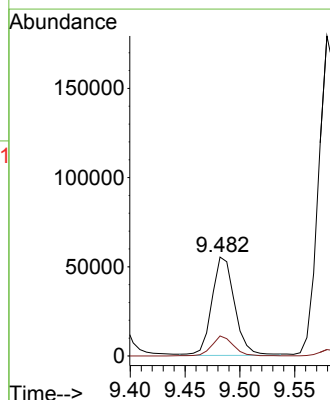
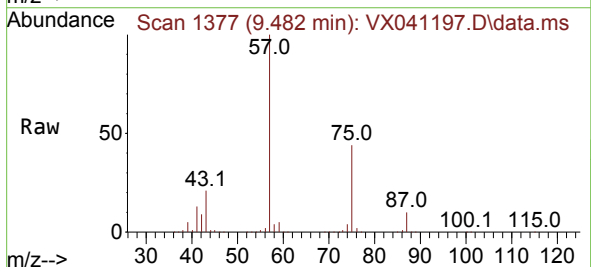
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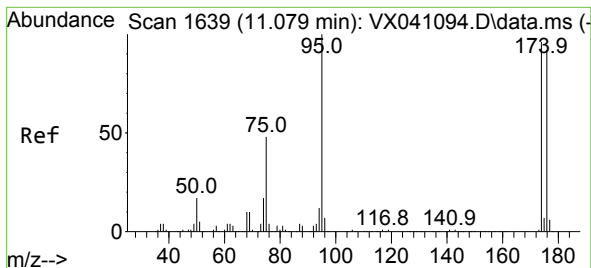
Tgt Ion: 43 Resp: 79784

Ion Ratio Lower Upper

43 100

58 19.6 26.2 78.5#

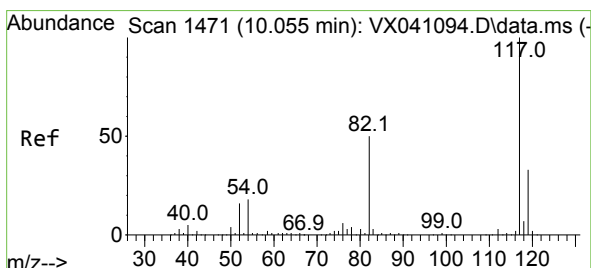
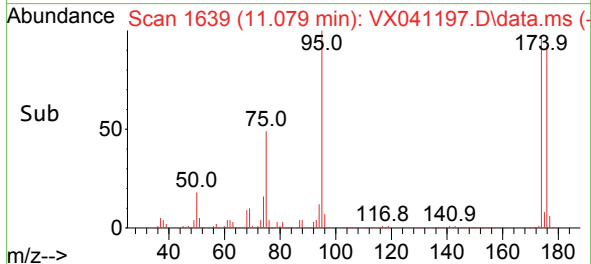
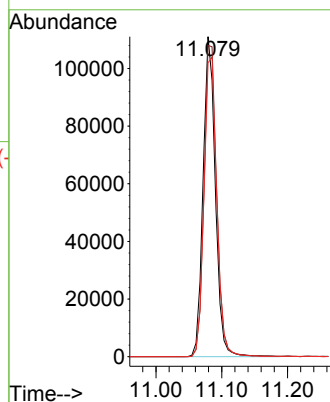
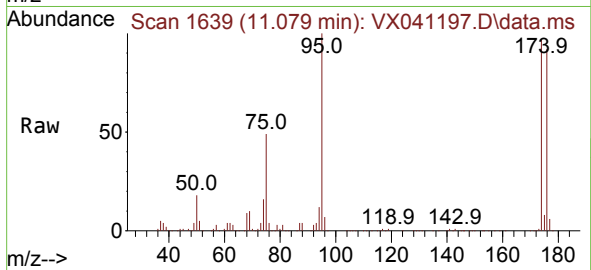




#62
4-Bromofluorobenzene
Concen: 54.016 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

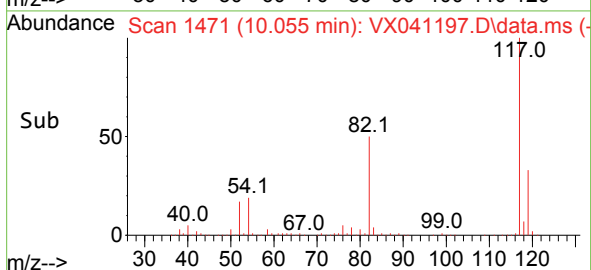
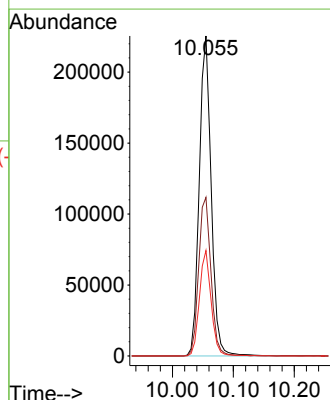
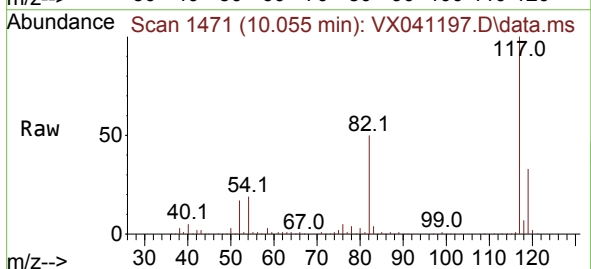
Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

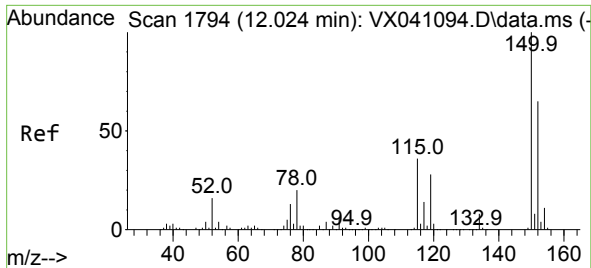
Tgt Ion: 95 Resp: 144006
Ion Ratio Lower Upper
95 100
174 101.3 0.0 135.6
176 97.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 117 Resp: 306497
Ion Ratio Lower Upper
117 100
82 49.5 46.2 69.4
119 33.0 25.5 38.3

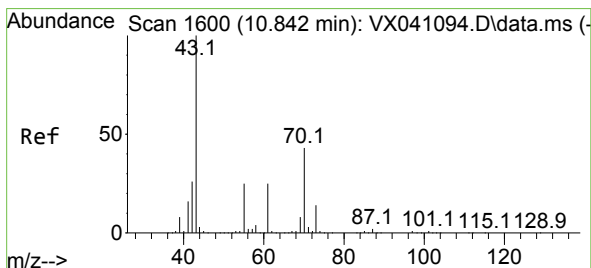
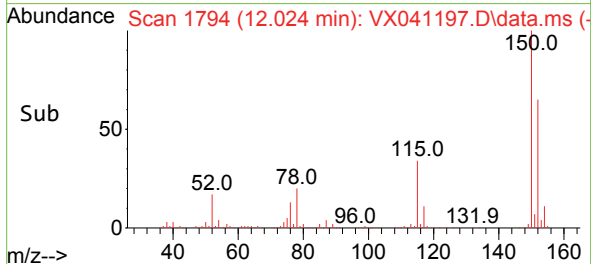
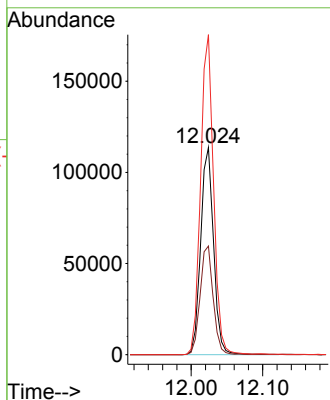
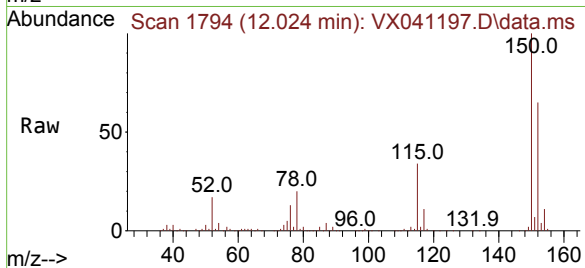




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

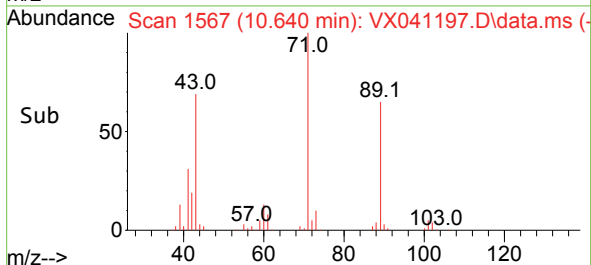
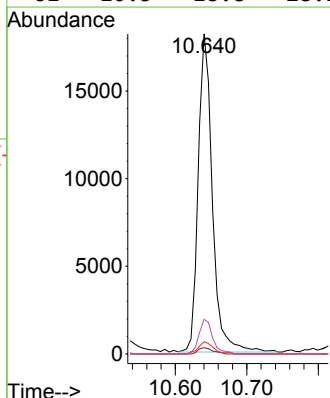
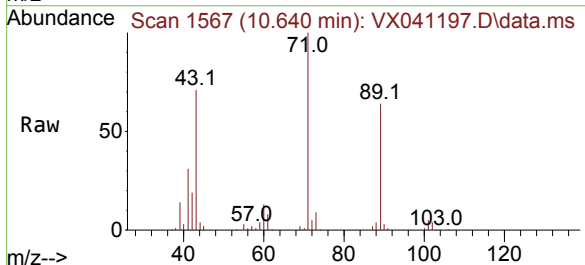
Instrument :
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 ClientSampleId :
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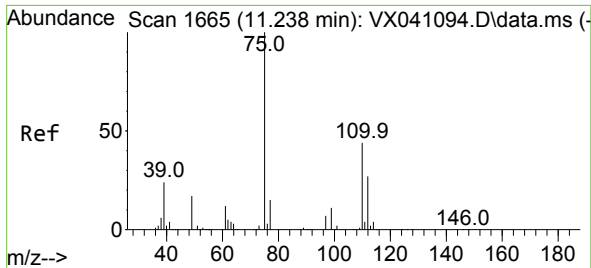
Tgt Ion:152 Resp: 142387
 Ion Ratio Lower Upper
 152 100
 115 53.5 43.3 129.9
 150 154.7 0.0 345.0



#74
 N-ethyl acetate
 Concen: 7.181 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041197.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 43 Resp: 25003
 Ion Ratio Lower Upper
 43 100
 70 2.0 32.9 49.3#
 55 4.2 19.3 28.9#
 61 10.5 18.8 28.2#

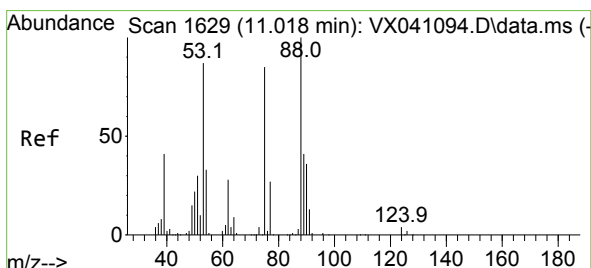
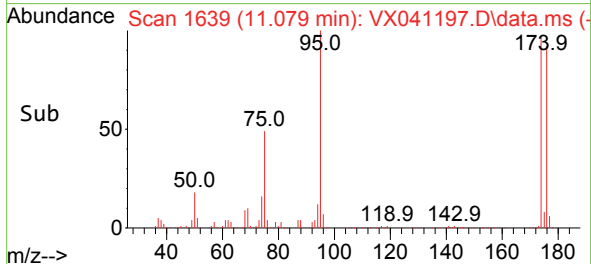
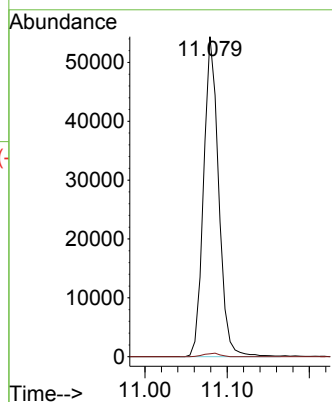
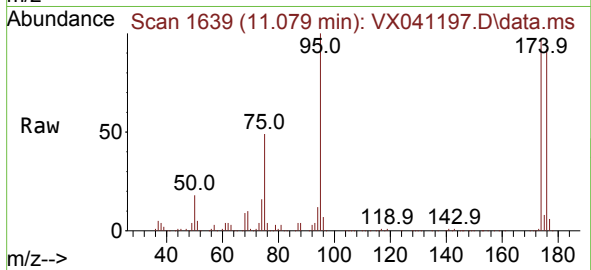




#76
1,2,3-Trichloropropane
Concen: 30.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_X
ClientSampleId :
PB160403TB

Tgt Ion: 75 Resp: 69246
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041197.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 75 Resp: 69246
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

