

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036214.D
 Acq On : 19 Jun 2023 18:25
 Operator : JC/MD
 Sample : PB153531ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#02

Quant Time: Jun 20 03:46:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

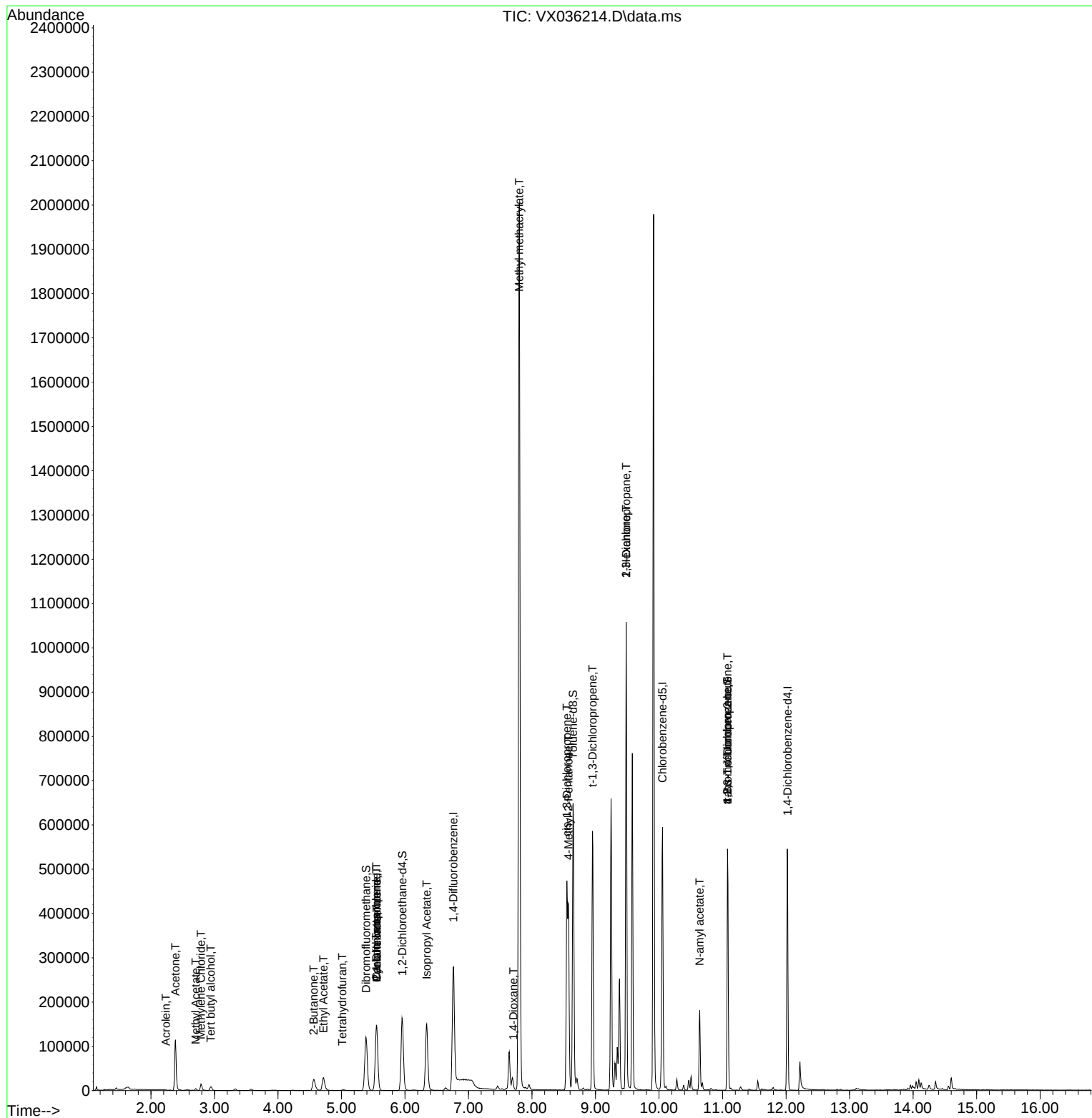
Internal Standards						
1) Pentafluorobenzene	5.556	168	123935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166466	73.500	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 147.000%#			
35) Dibromofluoromethane	5.385	113	104092	61.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 123.180%			
50) Toluene-d8	8.647	98	359099	58.082	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 116.160%#			
62) 4-Bromofluorobenzene	11.079	95	140305	56.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.440%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	5643	16.298	ug/l #	81
13) Acrolein	2.233	56	78	0.203	ug/l #	2
16) Acetone	2.386	43	131162	139.391	ug/l	99
18) Methyl Acetate	2.703	43	4804	1.346	ug/l	99
20) Methylene Chloride	2.788	84	6581	3.860	ug/l	88
25) 2-Butanone	4.562	43	42164	32.007	ug/l	94
29) Tetrahydrofuran	5.013	42	612	0.731	ug/l #	34
31) Cyclohexane	5.556	56	3646	1.501	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	12686	5.095	ug/l #	50
37) Ethyl Acetate	4.715	43	50797	17.512	ug/l	98
38) Carbon Tetrachloride	5.550	117	14938	6.172	ug/l #	15
43) Isopropyl Acetate	6.342	43	207368	46.712	ug/l	98
48) Methyl methacrylate	7.799	41	189542	83.220	ug/l #	49
49) 1,4-Dioxane	7.708	88	24	0.629	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	391962	139.833	ug/l #	78
53) t-1,3-Dichloropropene	8.952	75	1293	0.493	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	64255	22.851	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	8152	2.532	ug/l #	42
59) 2-Hexanone	9.482	43	130003	62.384	ug/l #	51
74) N-amyl acetate	10.640	43	50640	14.508	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	80769	32.694	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	80769	114.434	ug/l #	5

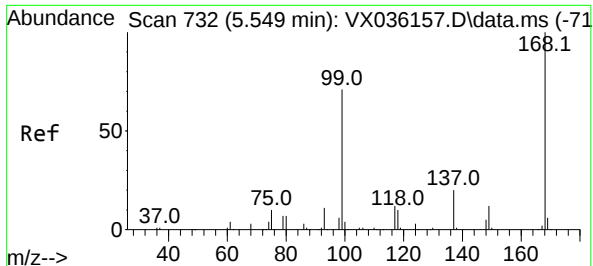
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

Quant Time: Jun 20 03:46:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration

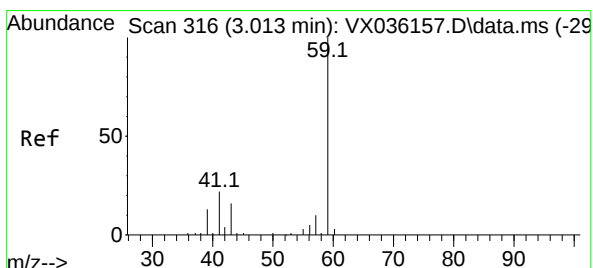
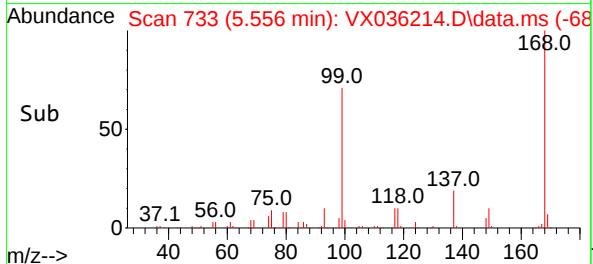
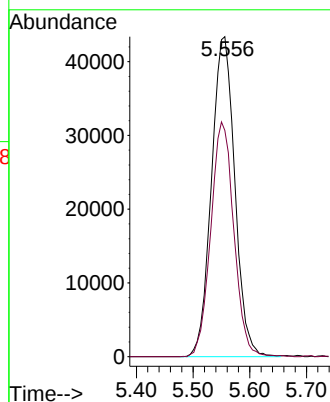
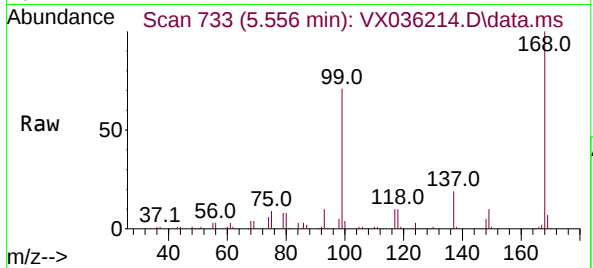




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

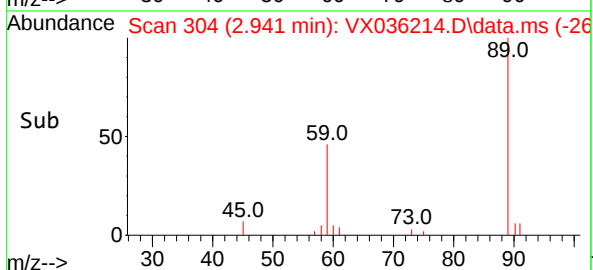
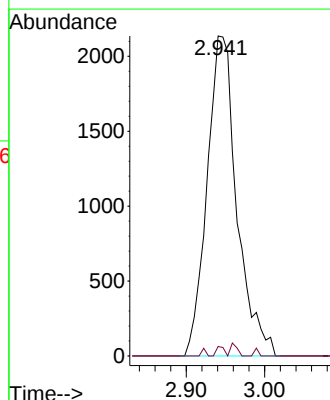
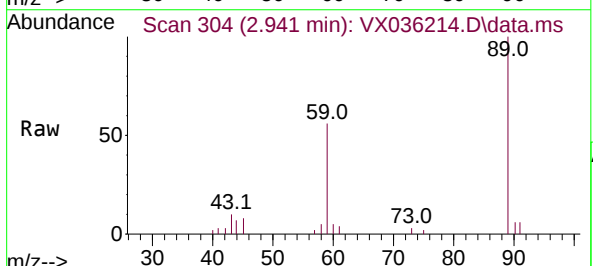
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

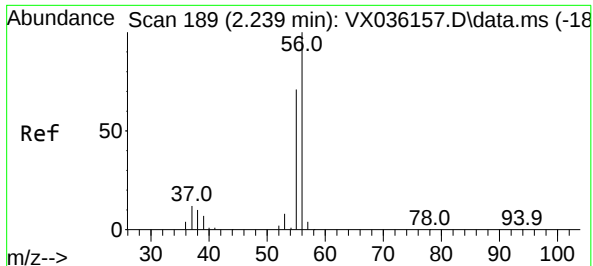
Tgt Ion:168 Resp: 123935
Ion Ratio Lower Upper
168 100
99 70.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 16.298 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.072 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 59 Resp: 5643
Ion Ratio Lower Upper
59 100
57 0.8 6.0 9.0#

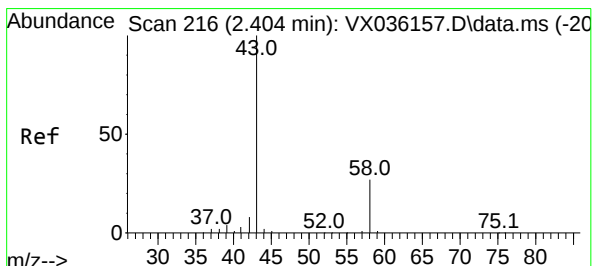
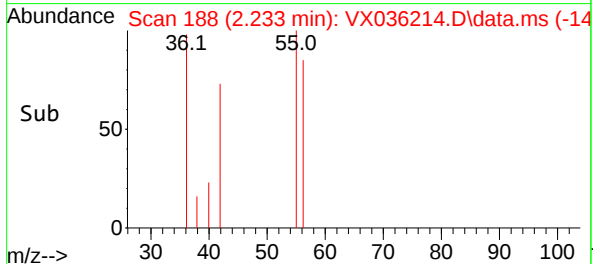
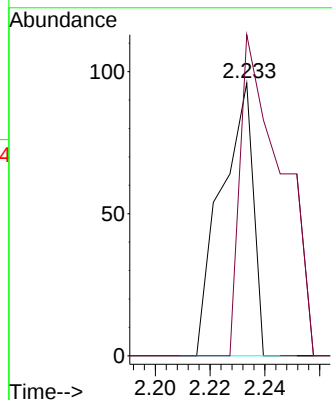
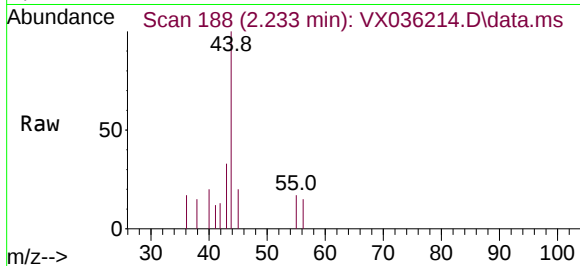




#13
Acrolein
Concen: 0.203 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

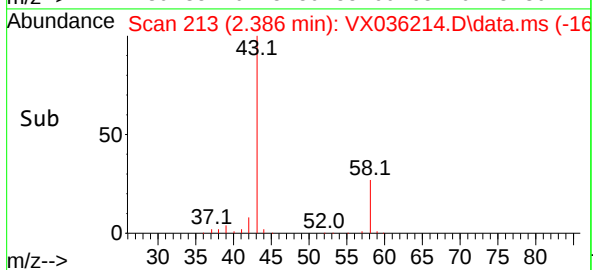
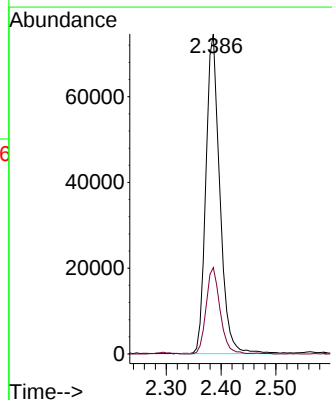
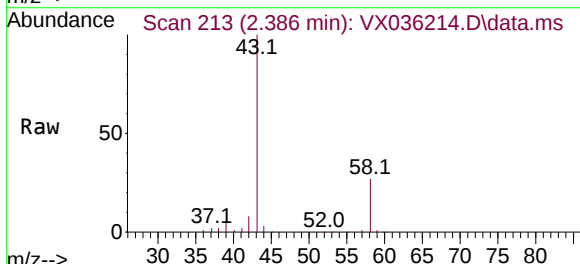
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

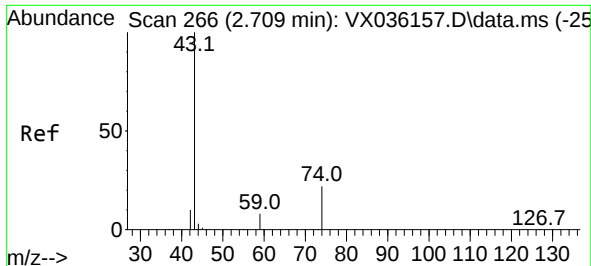
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 152.6 57.1 85.7#



#16
Acetone
Concen: 139.391 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 43 Resp: 131162
Ion Ratio Lower Upper
43 100
58 26.9 21.9 32.9

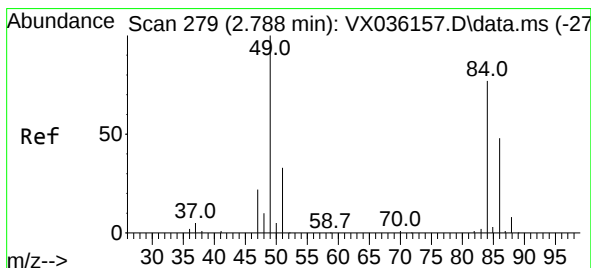
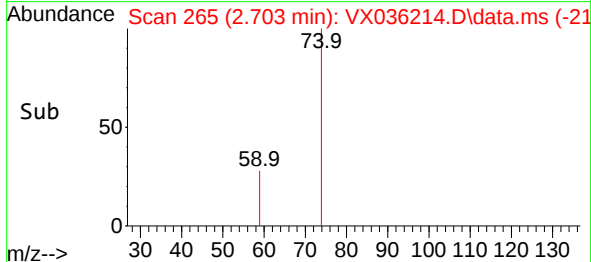
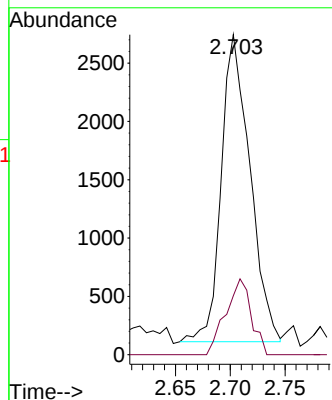
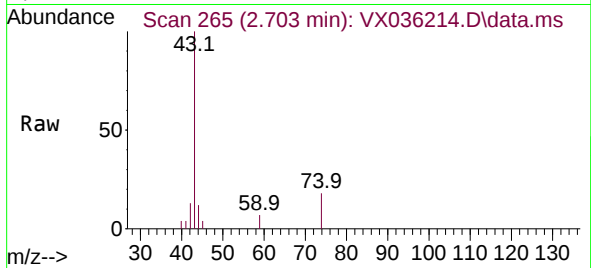




#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

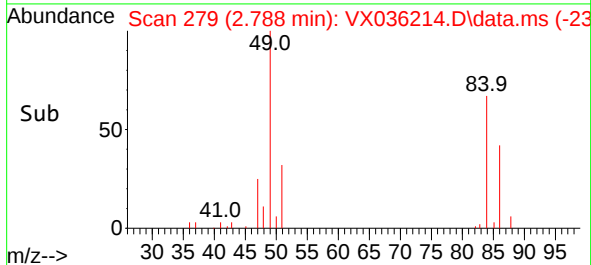
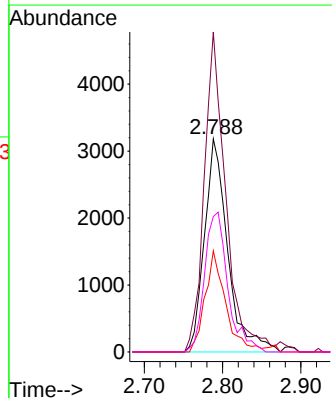
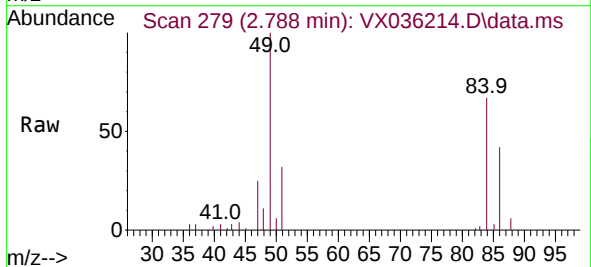
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

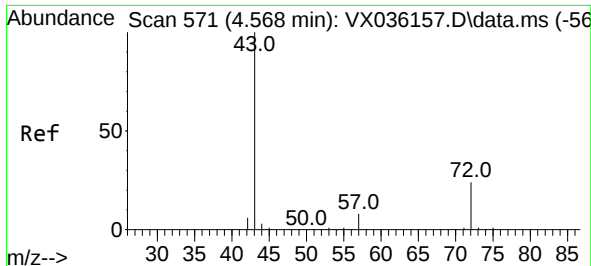
Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 3.860 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 84 Resp: 6581
Ion Ratio Lower Upper
84 100
49 150.1 103.6 155.4
51 47.5 33.8 50.6
86 63.5 49.4 74.0





#25

2-Butanone

Concen: 32.007 ug/l

RT: 4.562 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

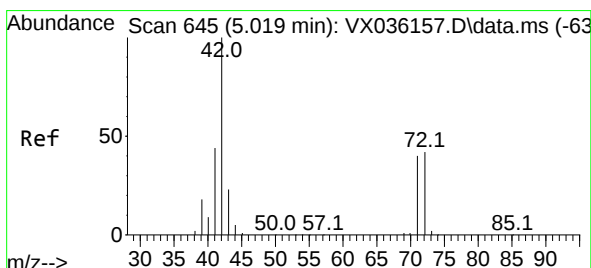
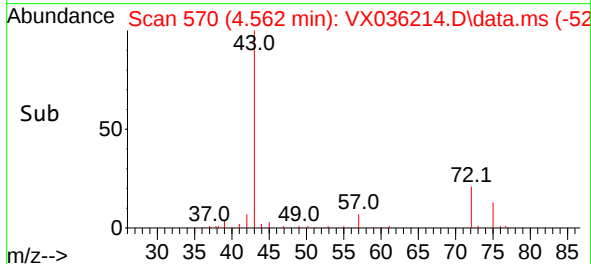
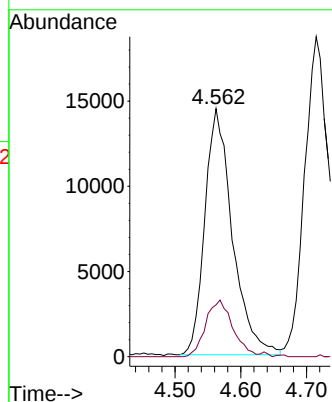
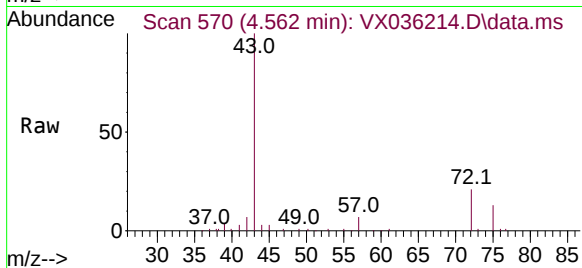
PB153531ZHE#02

Tgt Ion: 43 Resp: 42164

Ion Ratio Lower Upper

43 100

72 21.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.731 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

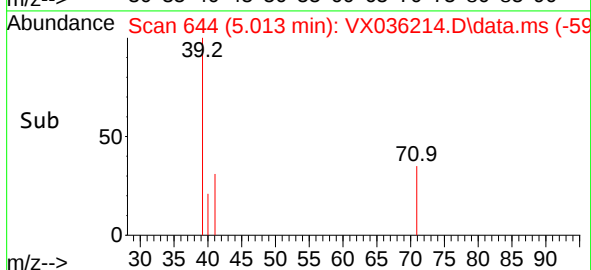
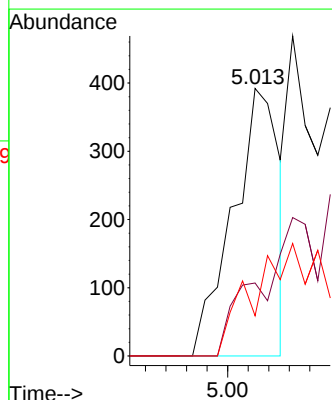
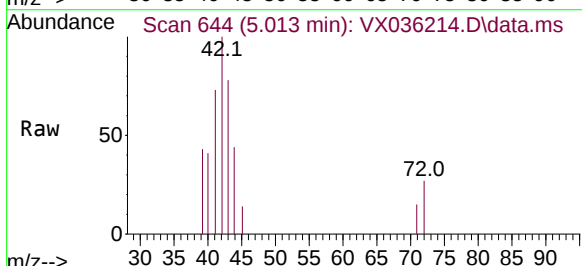
Tgt Ion: 42 Resp: 612

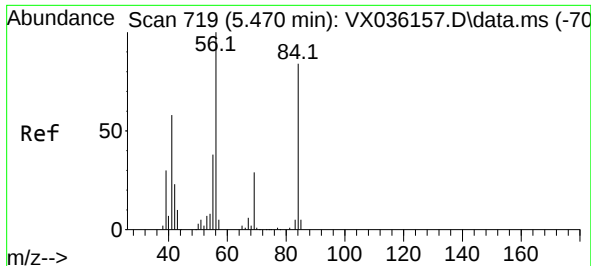
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

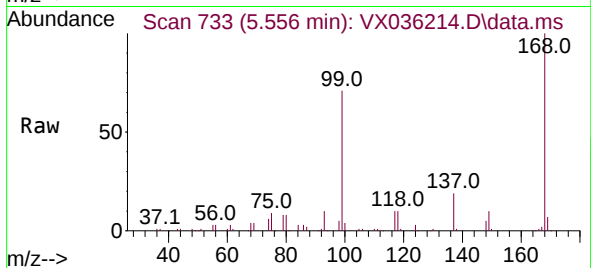
71 0.0 32.2 48.2#



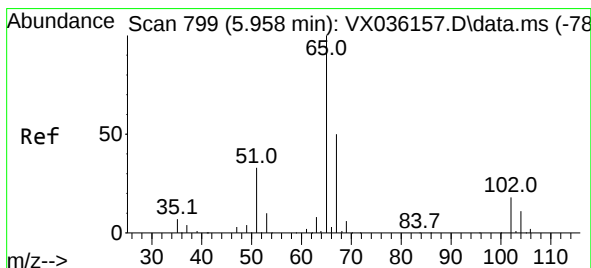
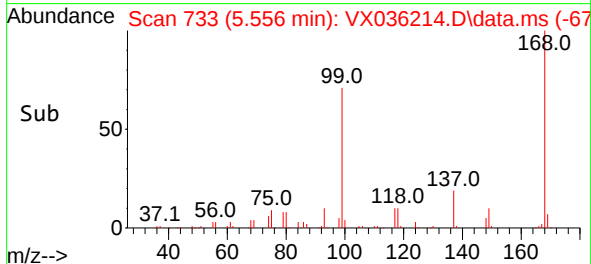
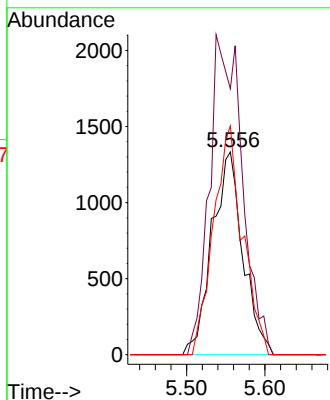


#31
Cyclohexane
Concen: 1.501 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

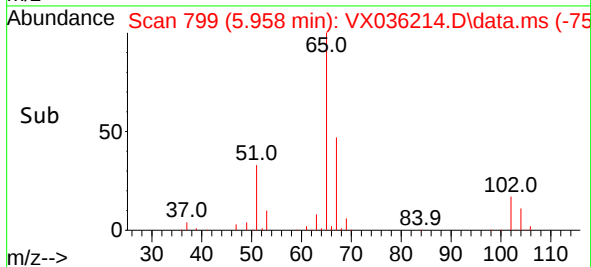
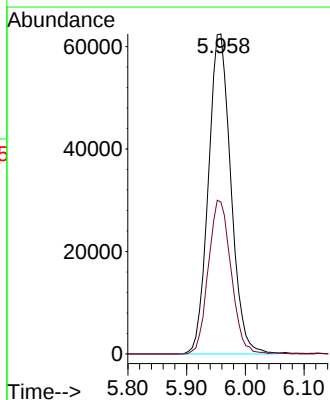
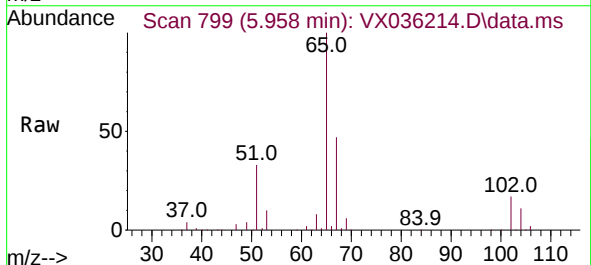


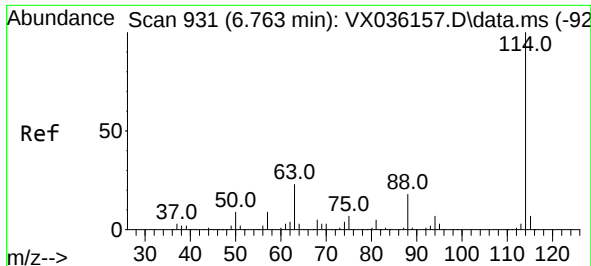
Tgt Ion: 56 Resp: 3646
Ion Ratio Lower Upper
56 100
69 131.1 23.4 35.2#
84 112.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 73.500 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 65 Resp: 166466
Ion Ratio Lower Upper
65 100
67 48.4 0.0 100.2

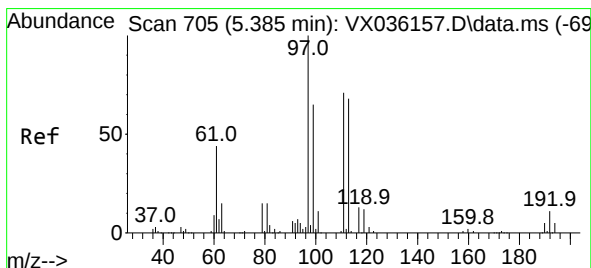
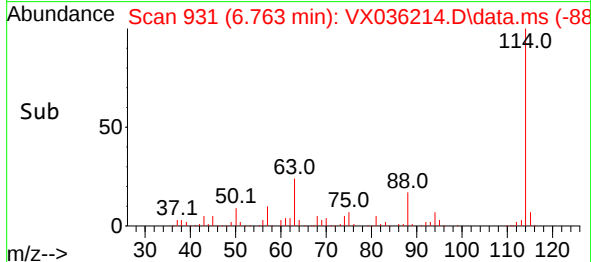
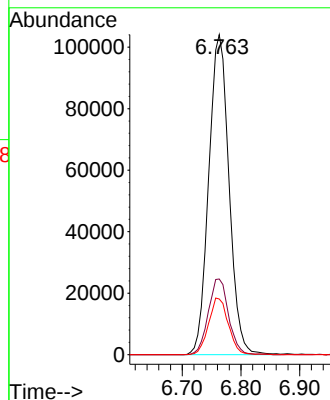
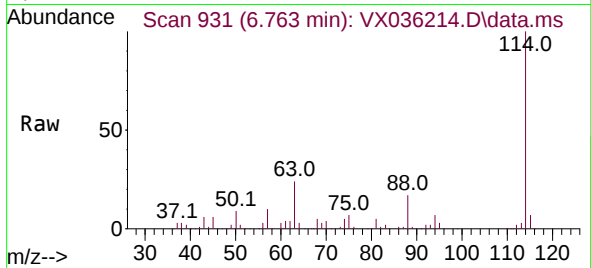




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

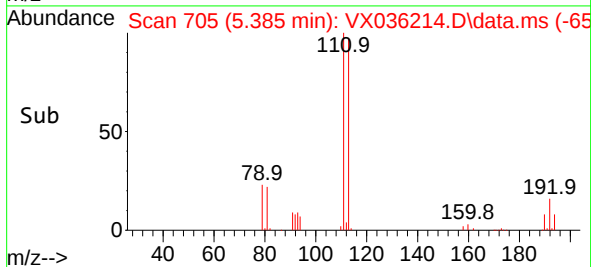
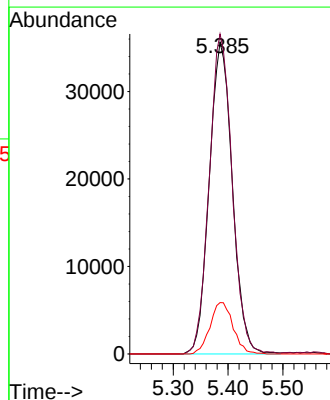
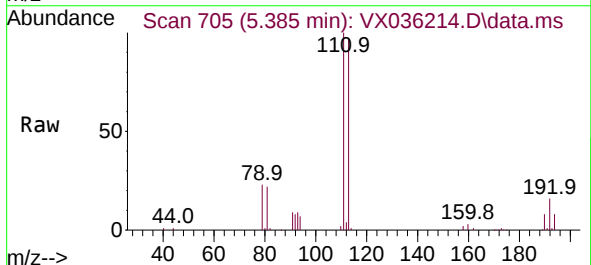
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MSVOA_X
ClientSampleId :
PB153531ZHE#02

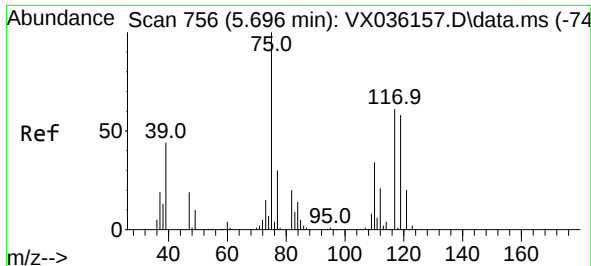
Tgt Ion:114 Resp: 249250
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.0
88 17.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 61.585 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion:113 Resp: 104092
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 16.5 13.3 19.9

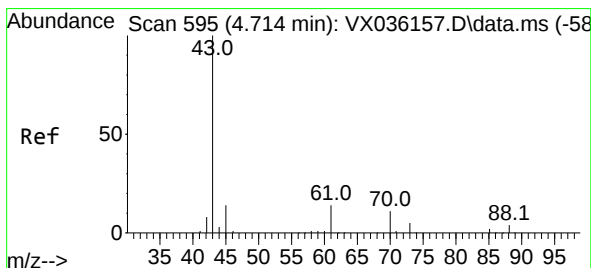
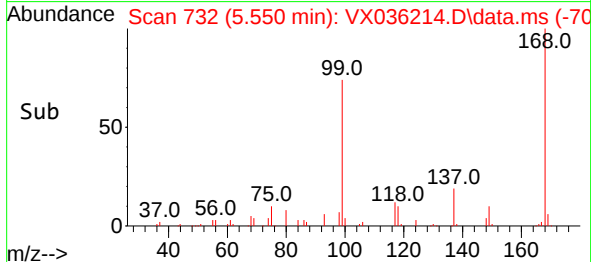
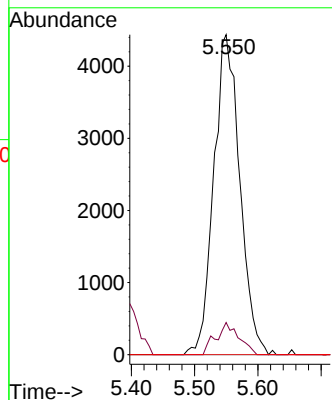
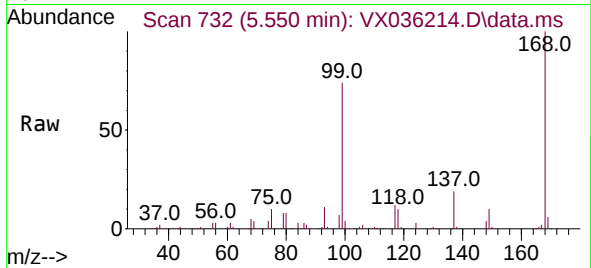




#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

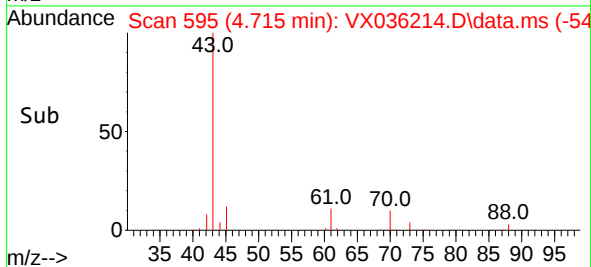
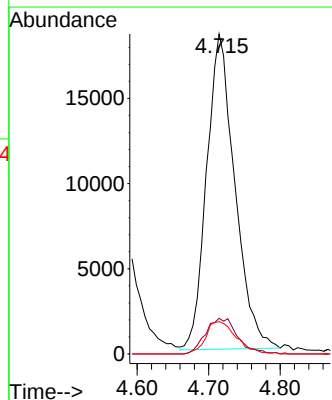
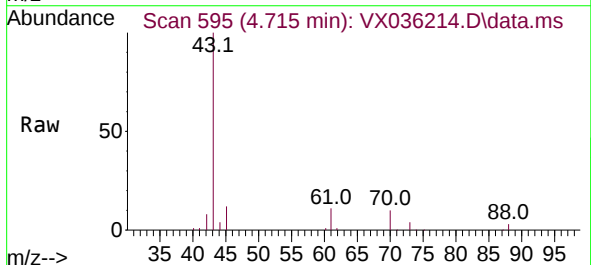
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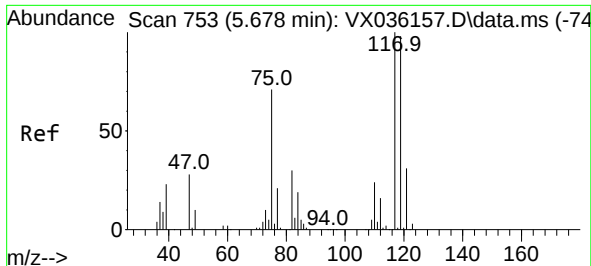
Tgt Ion: 75 Resp: 12686
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.512 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 43 Resp: 50797
Ion Ratio Lower Upper
43 100
61 12.8 10.6 16.0
70 11.1 8.3 12.5

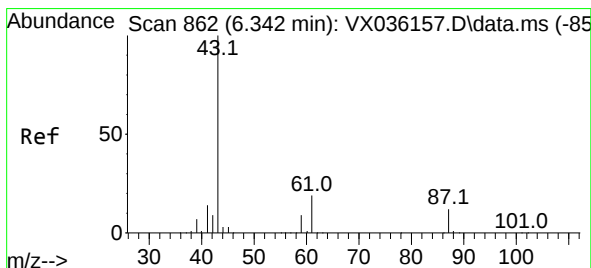
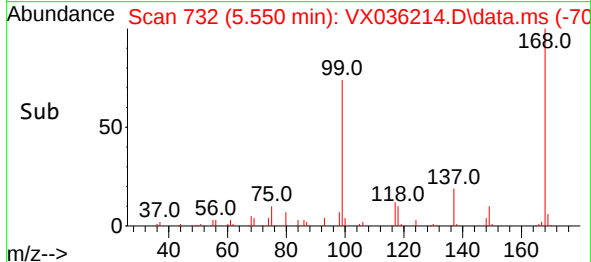
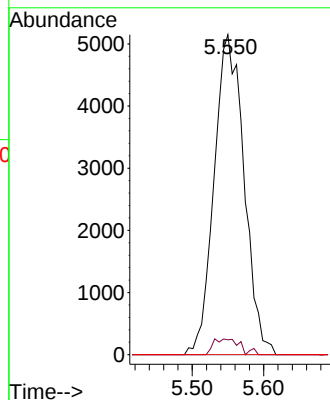
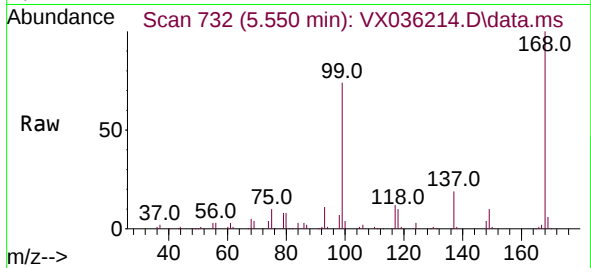




#38
Carbon Tetrachloride
Concen: 6.172 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

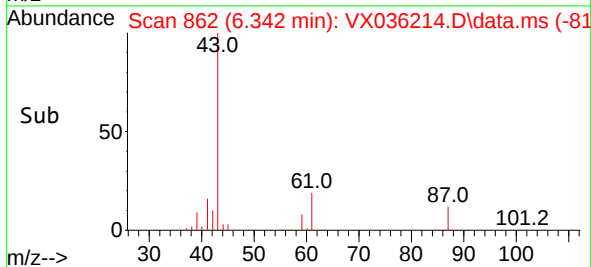
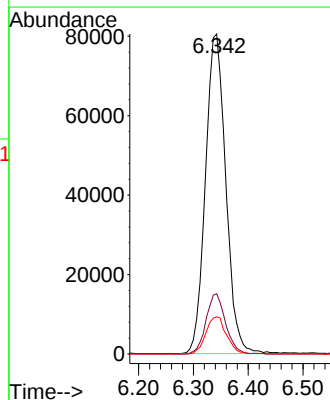
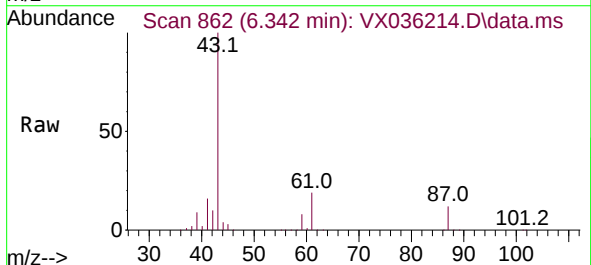
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

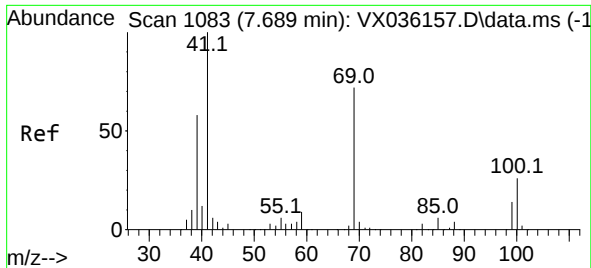
Tgt Ion:117 Resp: 14938
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 46.712 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 43 Resp: 207368
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 11.6 9.8 14.6

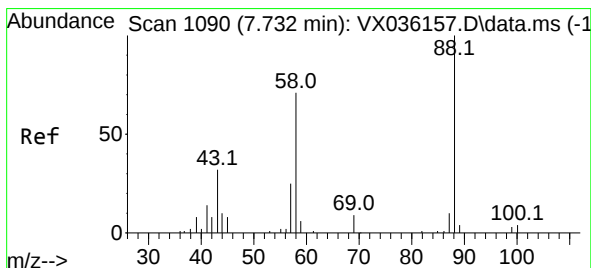
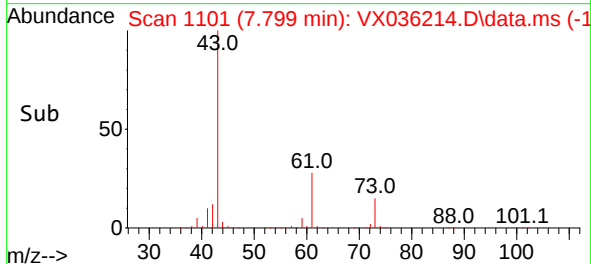
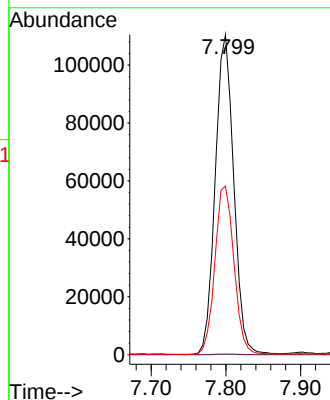
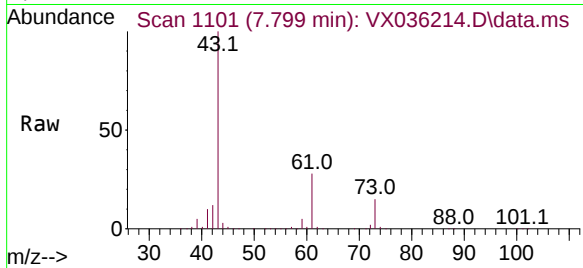




#48
Methyl methacrylate
Concen: 83.220 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

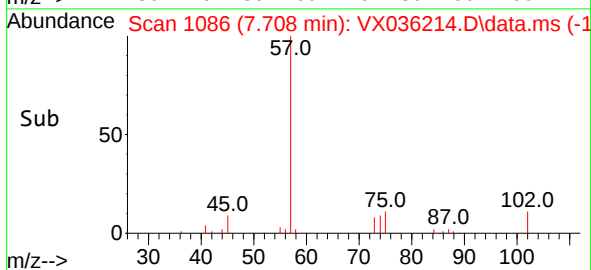
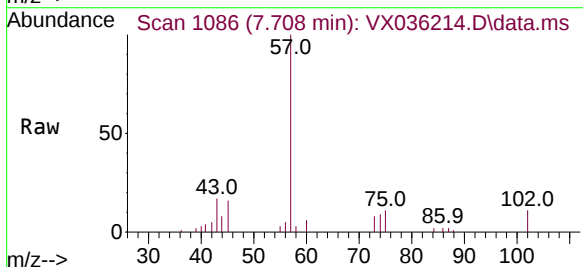
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

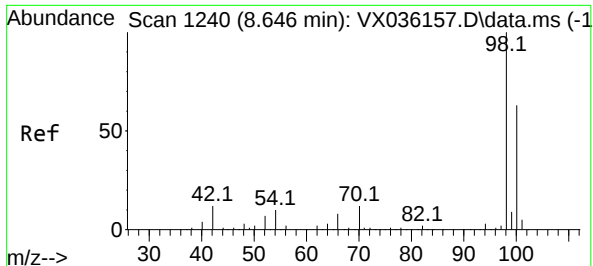
Tgt Ion: 41 Resp: 189542
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.7 47.7 71.5



#49
1,4-Dioxane
Concen: 0.629 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. -0.024 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 4070.8 60.1 90.1#





#50

Toluene-d8

Concen: 58.082 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

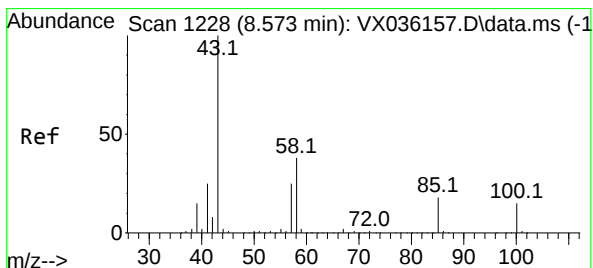
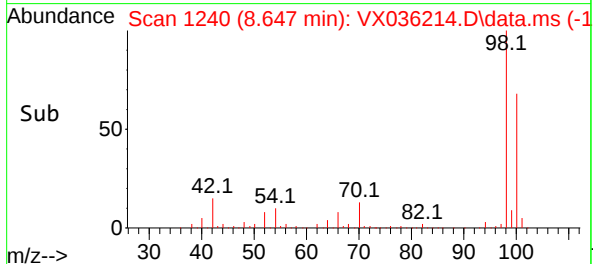
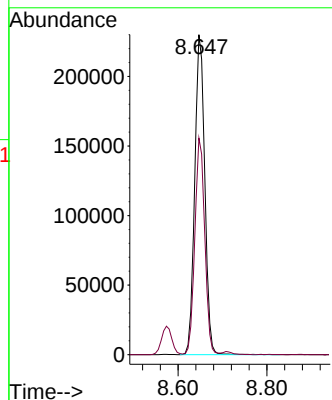
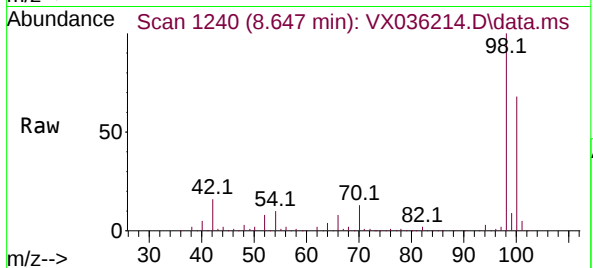
PB153531ZHE#02

Tgt Ion: 98 Resp: 359099

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 139.833 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036214.D

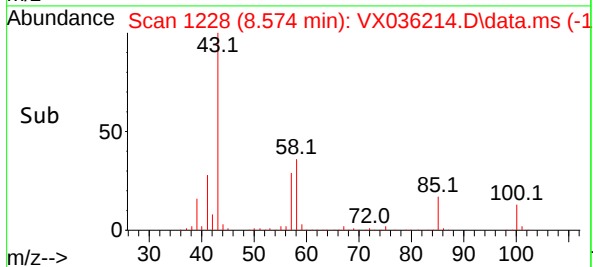
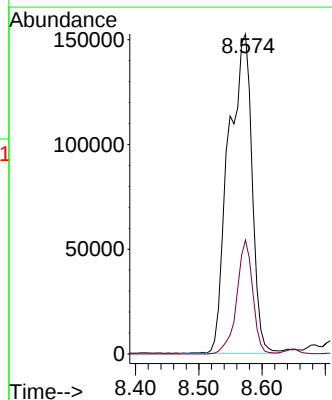
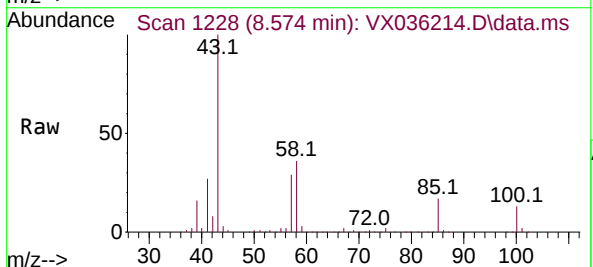
Acq: 19 Jun 2023 18:25

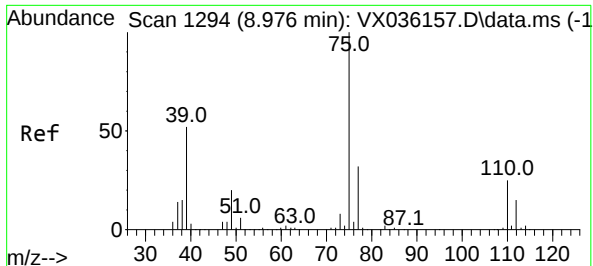
Tgt Ion: 43 Resp: 391962

Ion Ratio Lower Upper

43 100

58 24.5 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 0.493 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

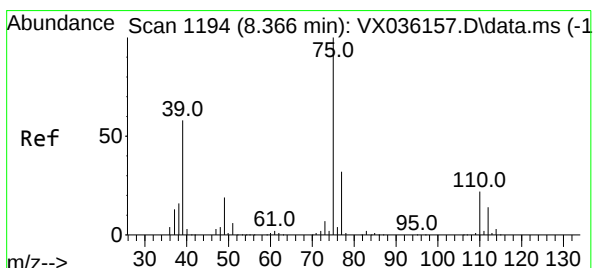
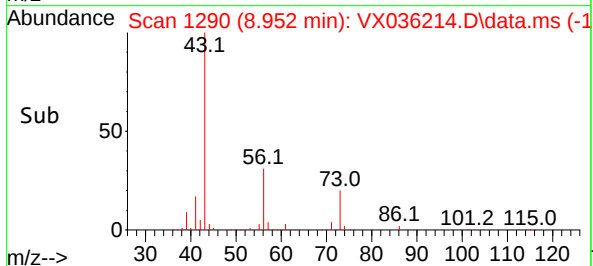
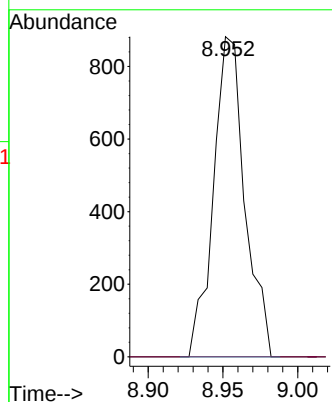
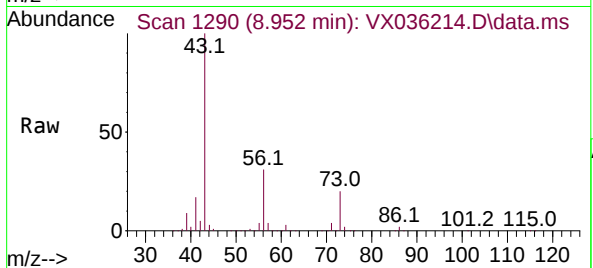
PB153531ZHE#02

Tgt Ion: 75 Resp: 1293

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 22.851 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

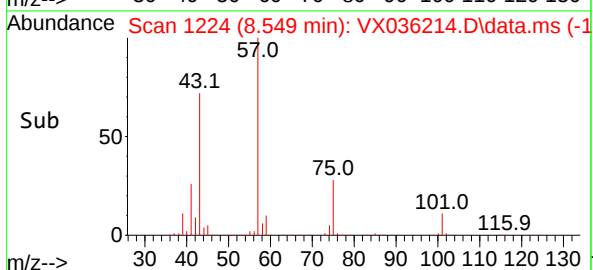
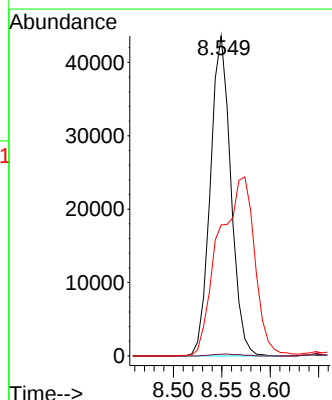
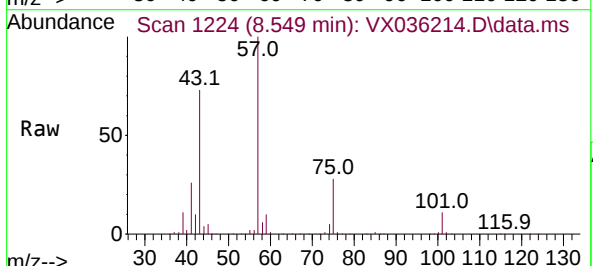
Tgt Ion: 75 Resp: 64255

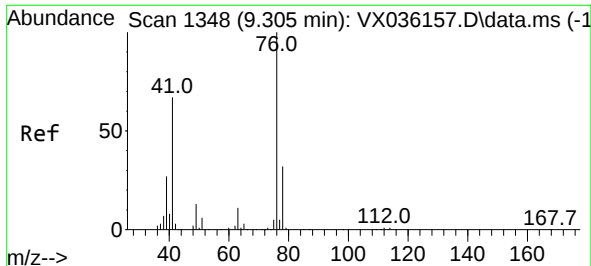
Ion Ratio Lower Upper

75 100

77 0.6 25.3 37.9#

39 40.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.532 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

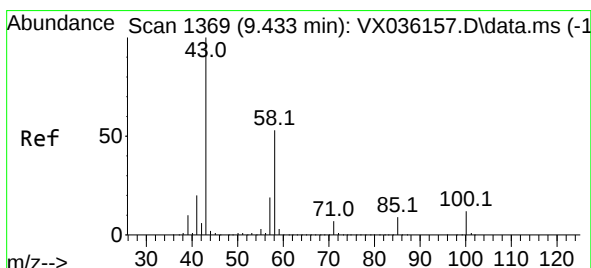
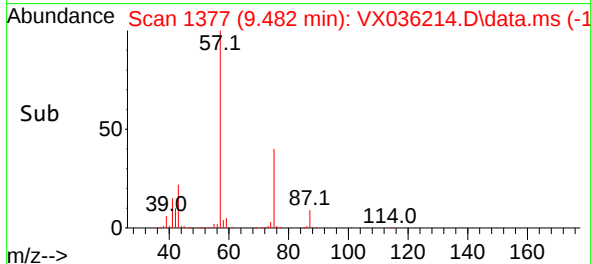
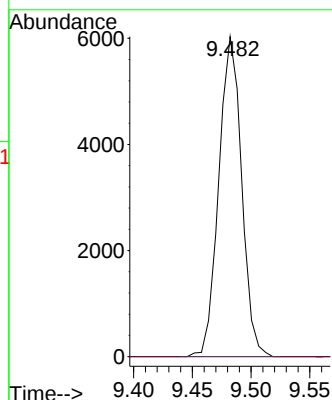
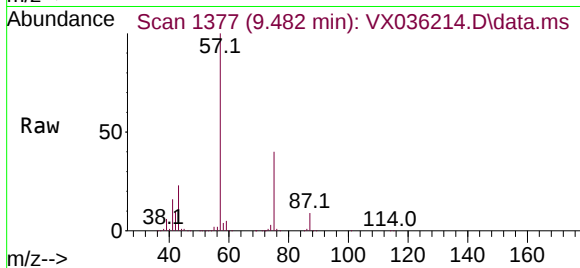
PB153531ZHE#02

Tgt Ion: 76 Resp: 8152

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 62.384 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036214.D

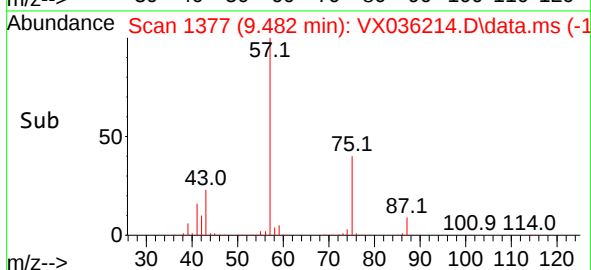
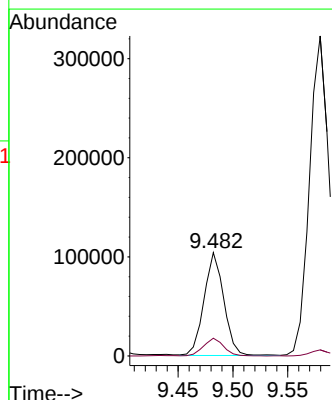
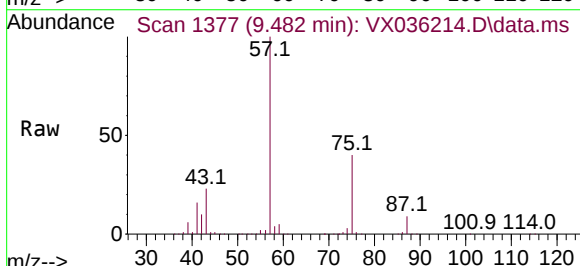
Acq: 19 Jun 2023 18:25

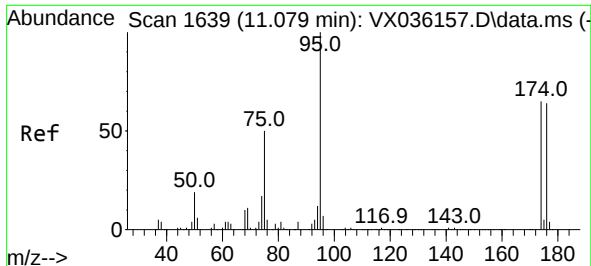
Tgt Ion: 43 Resp: 130003

Ion Ratio Lower Upper

43 100

58 17.7 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 56.219 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#02

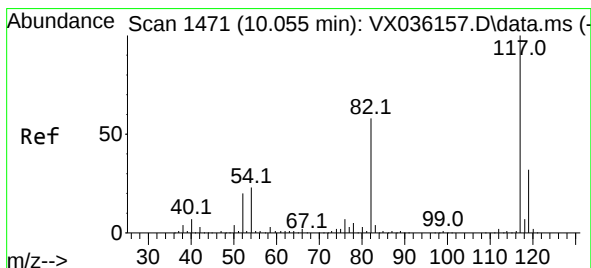
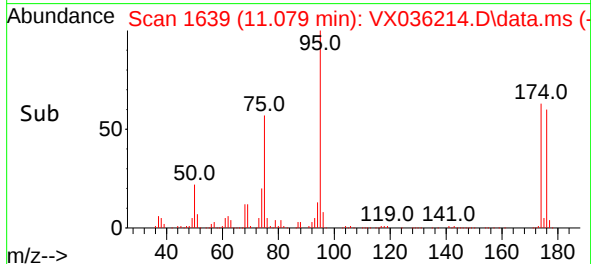
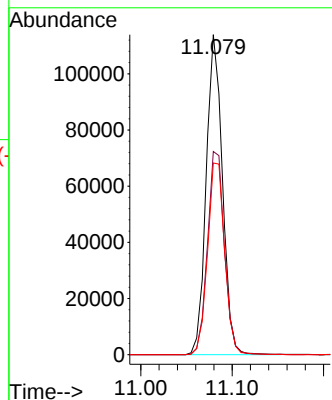
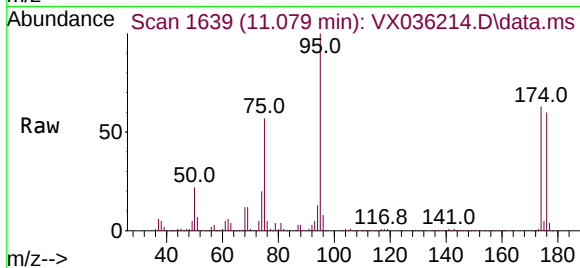
Tgt Ion: 95 Resp: 140305

Ion Ratio Lower Upper

95 100

174 66.5 0.0 135.6

176 63.4 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: VX036214.D

Acq: 19 Jun 2023 18:25

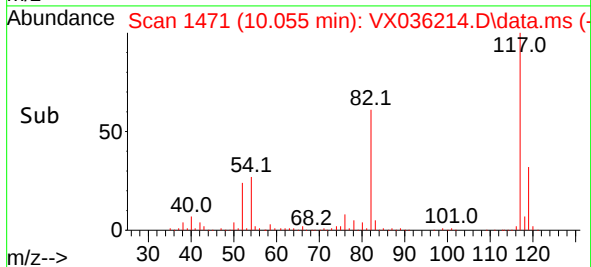
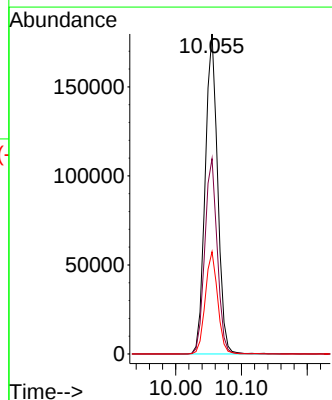
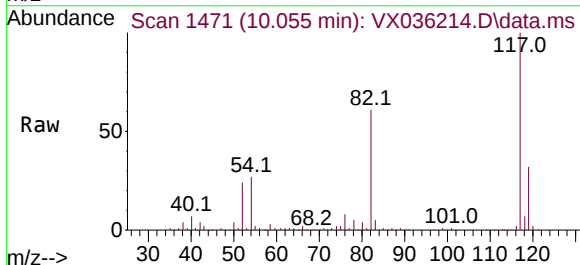
Tgt Ion: 117 Resp: 236712

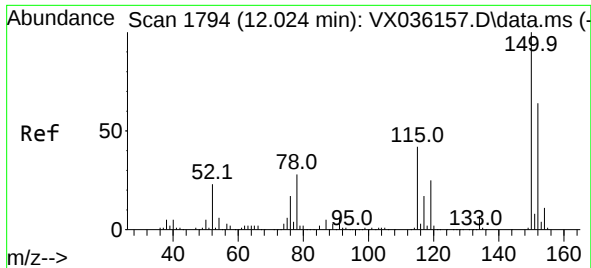
Ion Ratio Lower Upper

117 100

82 61.0 46.2 69.4

119 32.0 25.5 38.3

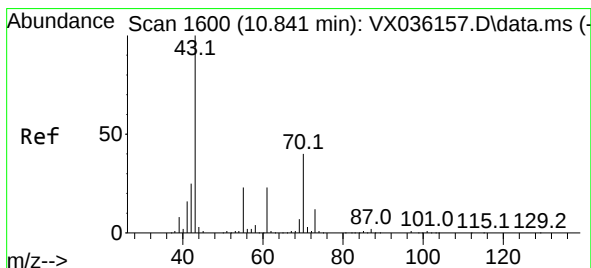
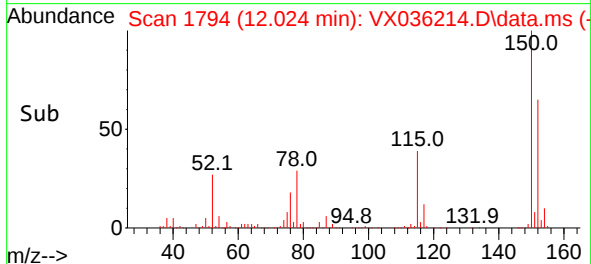
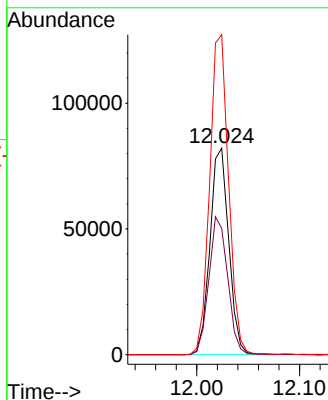
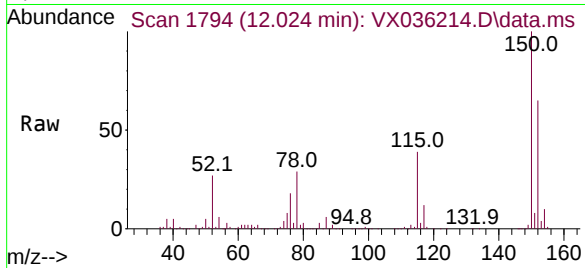




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

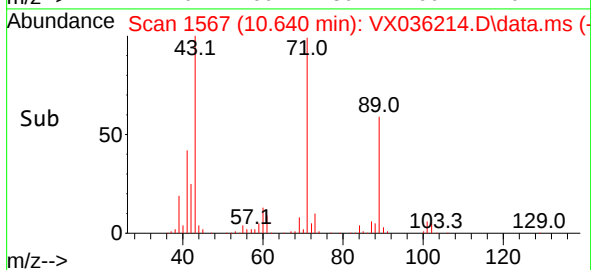
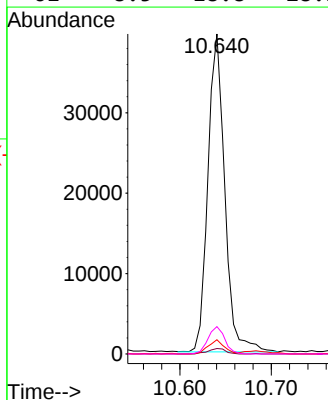
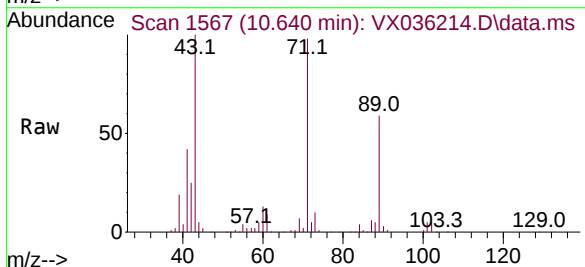
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#02

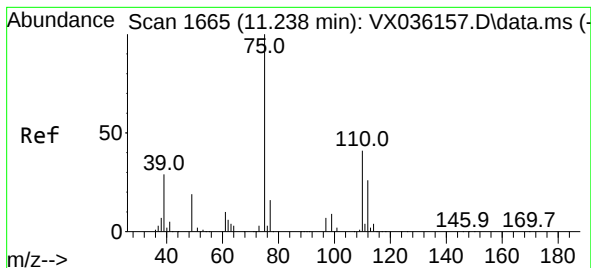
Tgt Ion:152 Resp: 104096
Ion Ratio Lower Upper
152 100
115 67.0 43.3 129.9
150 155.9 0.0 345.0



#74
N-ethyl acetate
Concen: 14.508 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036214.D
Acq: 19 Jun 2023 18:25

Tgt Ion: 43 Resp: 50640
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 4.3 19.3 28.9#
61 8.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 32.694 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

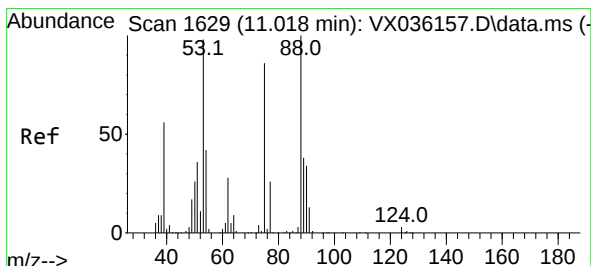
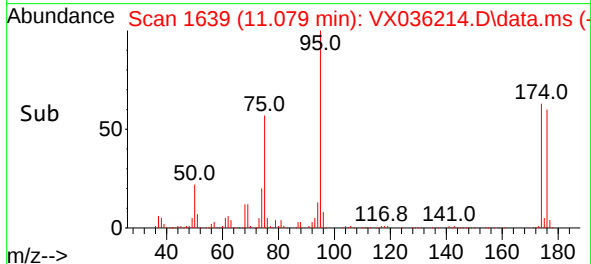
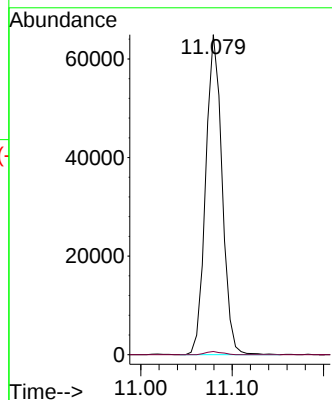
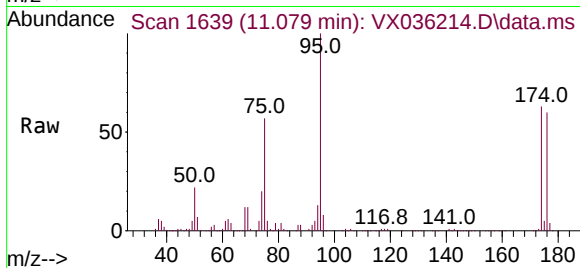
PB153531ZHE#02

Tgt Ion: 75 Resp: 80769

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.434 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036214.D

Acq: 19 Jun 2023 18:25

Tgt Ion: 75 Resp: 80769

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.2 36.9 55.3#

