

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036223.D
 Acq On : 19 Jun 2023 21:56
 Operator : JC/MD
 Sample : PB153531ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#11

Quant Time: Jun 20 03:50:31 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)

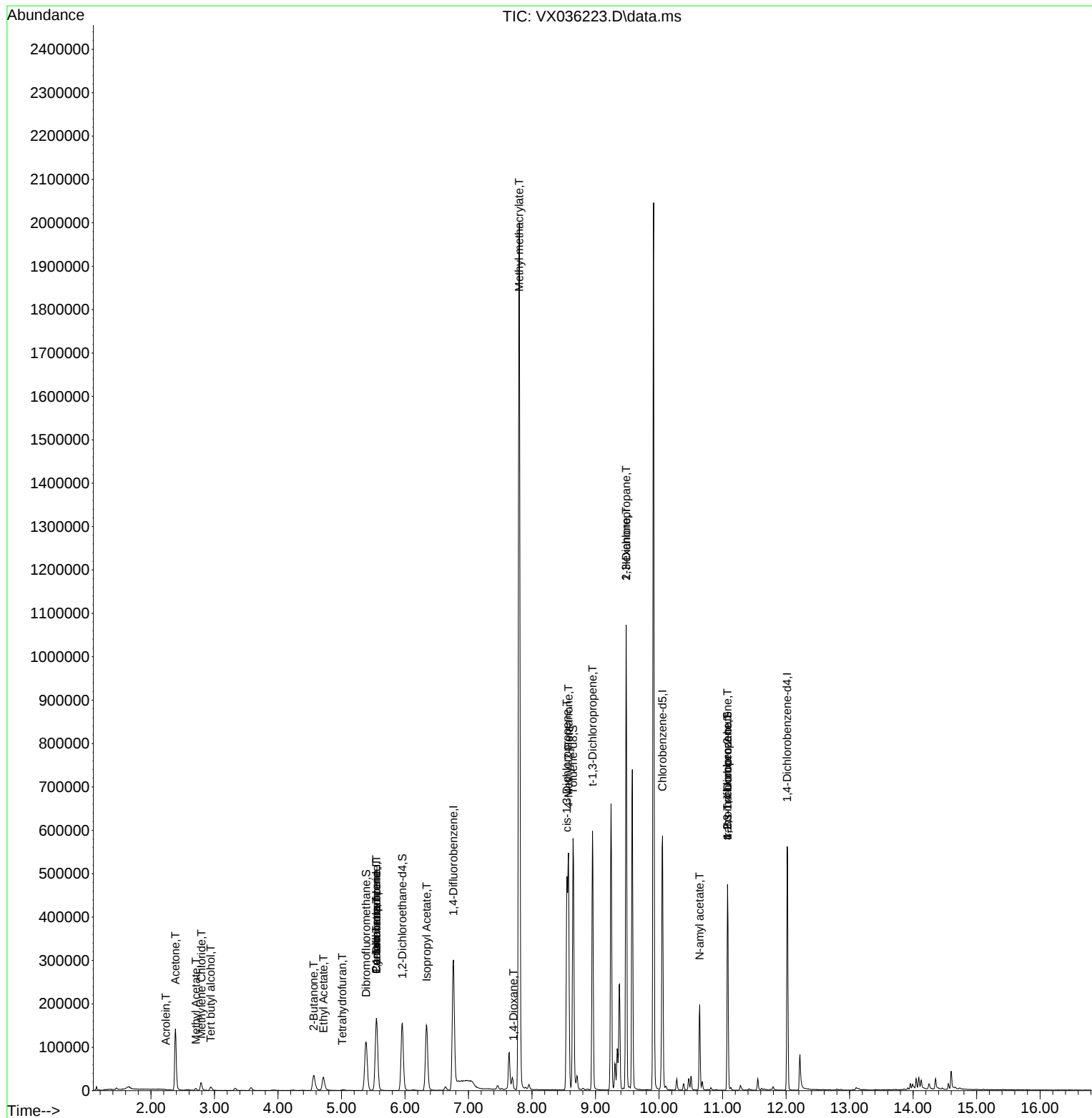
Internal Standards						
1) Pentafluorobenzene	5.550	168	138852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	269352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155269	61.191	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.380%#			
35) Dibromofluoromethane	5.385	113	97351	53.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	8.647	98	322385	48.252	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.079	95	119915	44.463	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.920%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	5686	14.658	ug/l #	82
13) Acrolein	2.233	56	183	0.425	ug/l #	37
16) Acetone	2.386	43	165626	157.107	ug/l	100
18) Methyl Acetate	2.709	43	5805	1.452	ug/l	97
20) Methylene Chloride	2.794	84	8646	4.527	ug/l	89
25) 2-Butanone	4.562	43	56049	37.976	ug/l	97
29) Tetrahydrofuran	5.013	42	639	0.682	ug/l #	66
31) Cyclohexane	5.550	56	3885	1.427	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	13940	5.181	ug/l #	51
37) Ethyl Acetate	4.715	43	54059	17.245	ug/l	100
38) Carbon Tetrachloride	5.550	117	16501	6.309	ug/l #	13
43) Isopropyl Acetate	6.342	43	212048	44.201	ug/l	98
48) Methyl methacrylate	7.799	41	188294	76.502	ug/l #	49
49) 1,4-Dioxane	7.708	88	53	1.286	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	463774	153.104	ug/l #	80
53) t-1,3-Dichloropropene	8.952	75	1070	0.378	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65631	21.598	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	8549	2.457	ug/l #	43
59) 2-Hexanone	9.482	43	130560	57.975	ug/l #	51
74) N-amyl acetate	10.640	43	54675	16.418	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	69197	29.358	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69197	102.760	ug/l #	5

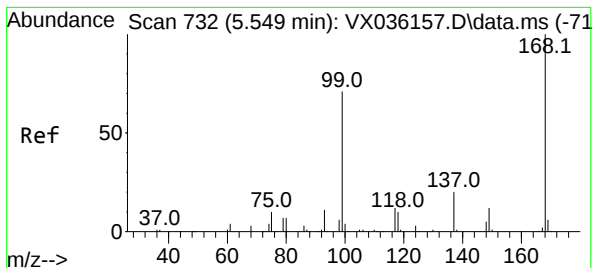
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 20 03:50:31 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: 5.550 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

Instrument :

MSVOA_X

ClientSampleId :

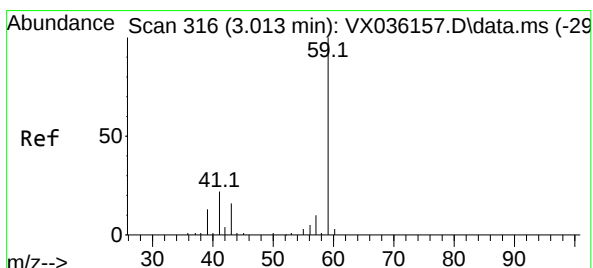
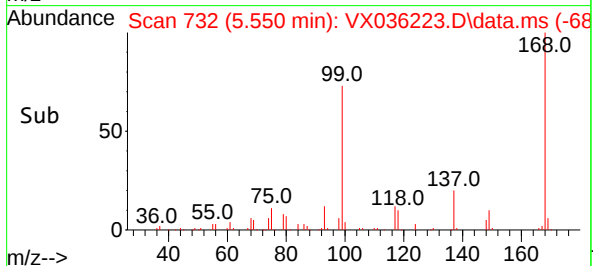
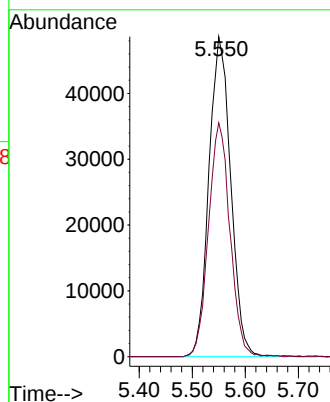
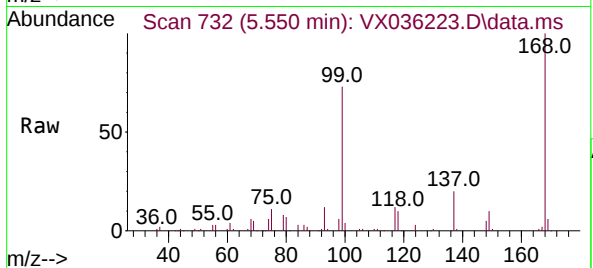
PB153531ZHE#11

Tgt Ion:168 Resp: 138852

Ion Ratio Lower Upper

168 100

99 73.1 56.6 85.0



#11

Tert butyl alcohol

Concen: 14.658 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.072 min

Lab File: VX036223.D

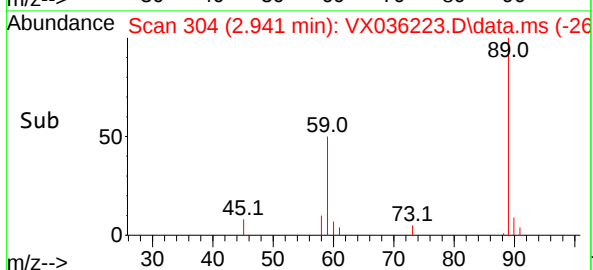
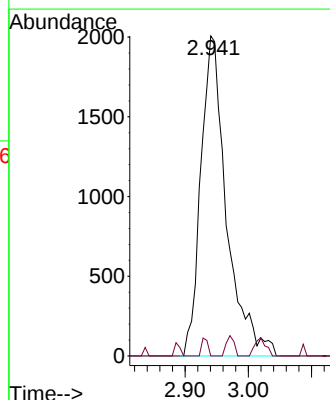
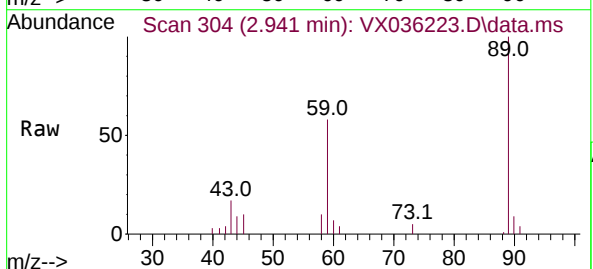
Acq: 19 Jun 2023 21:56

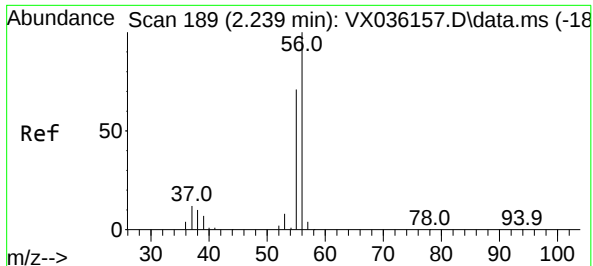
Tgt Ion: 59 Resp: 5686

Ion Ratio Lower Upper

59 100

57 1.4 6.0 9.0#

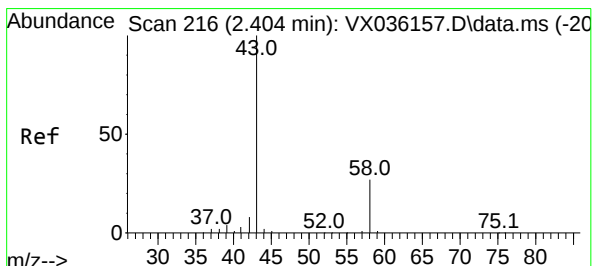
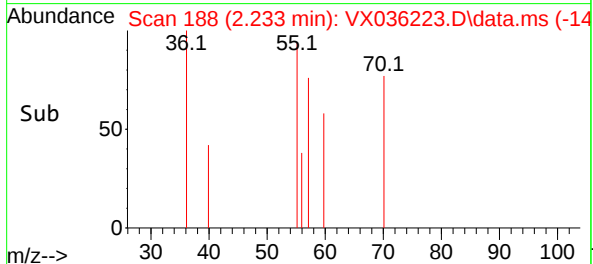
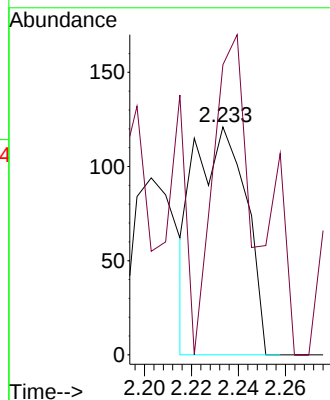
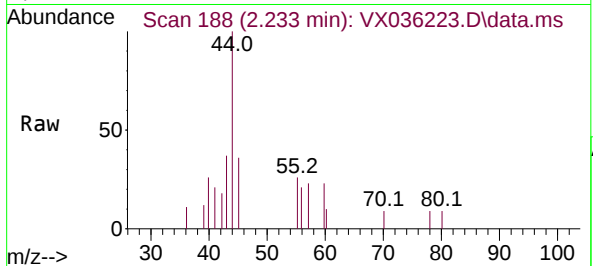




#13
Acrolein
Concen: 0.425 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

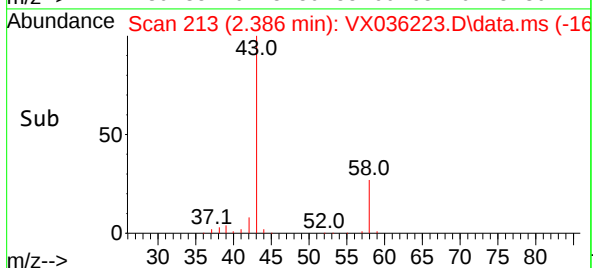
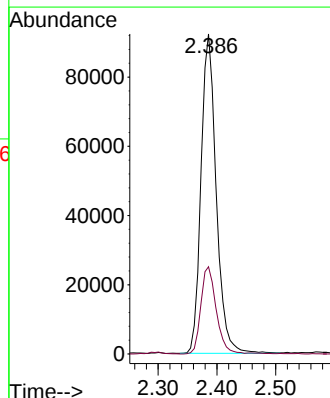
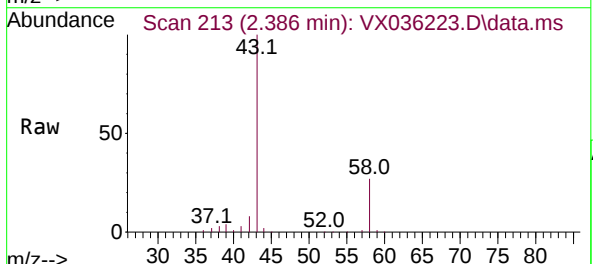
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

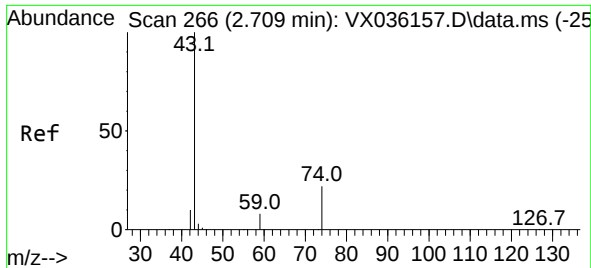
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 124.0 57.1 85.7#



#16
Acetone
Concen: 157.107 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 43 Resp: 165626
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9

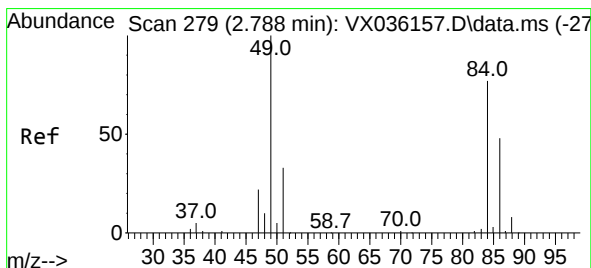
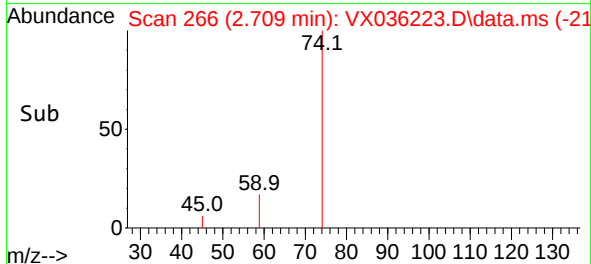
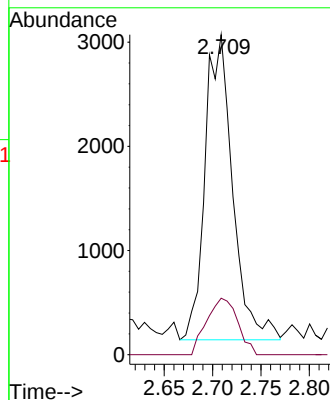
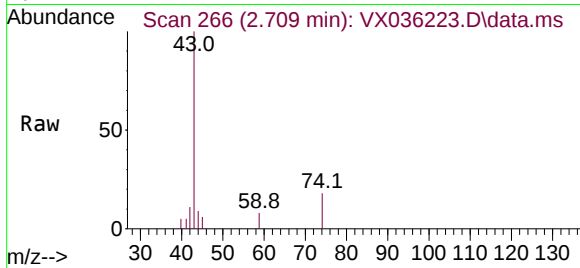




#18
Methyl Acetate
Concen: 1.452 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

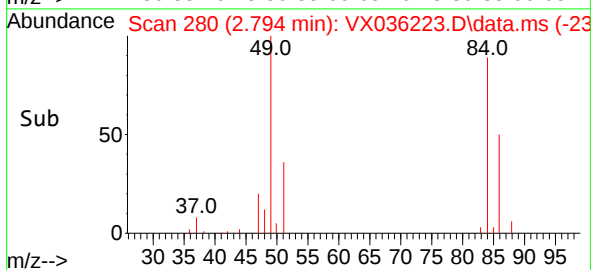
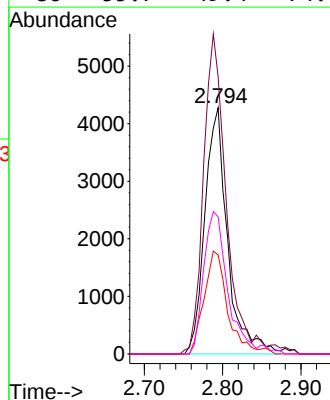
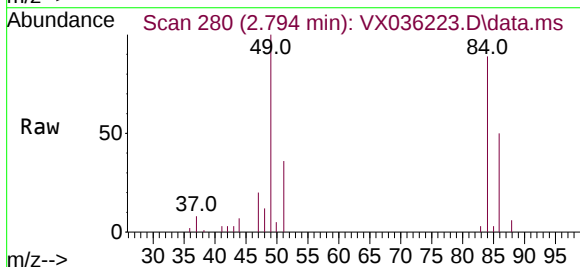
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

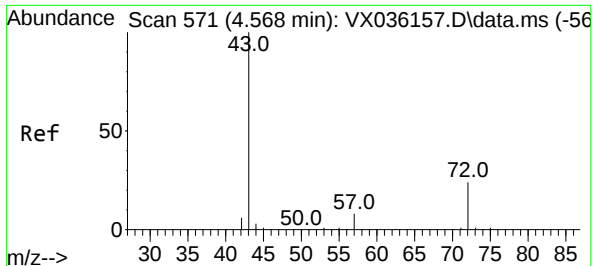
Tgt Ion: 43 Resp: 5805
Ion Ratio Lower Upper
43 100
74 20.8 17.8 26.8



#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 84 Resp: 8646
Ion Ratio Lower Upper
84 100
49 112.6 103.6 155.4
51 40.2 33.8 50.6
86 55.7 49.4 74.0





#25

2-Butanone

Concen: 37.976 ug/l

RT: 4.562 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

Instrument :

MSVOA_X

ClientSampleId :

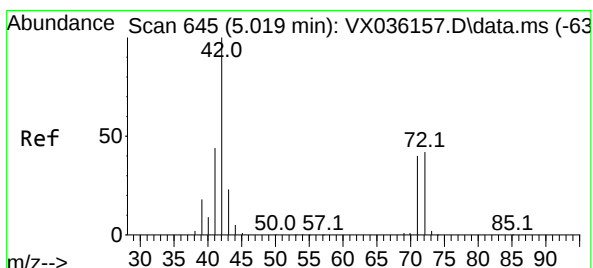
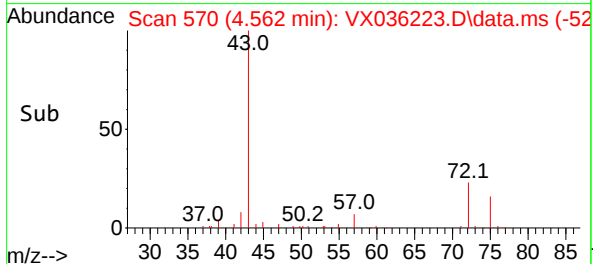
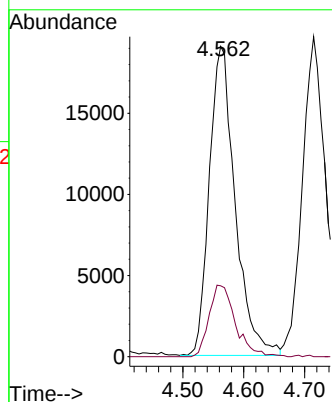
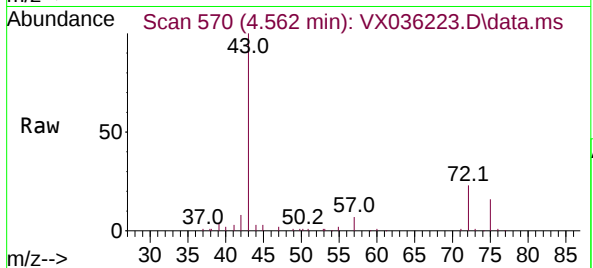
PB153531ZHE#11

Tgt Ion: 43 Resp: 56049

Ion Ratio Lower Upper

43 100

72 23.0 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.682 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

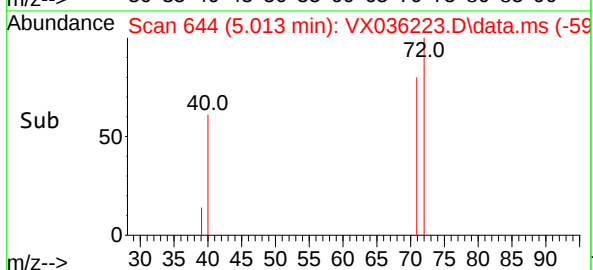
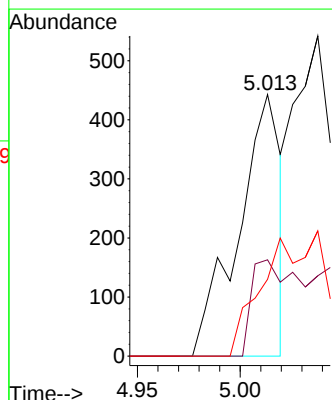
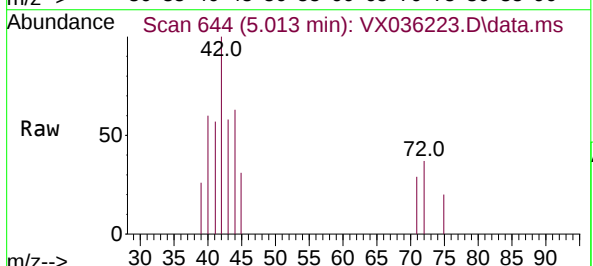
Tgt Ion: 42 Resp: 639

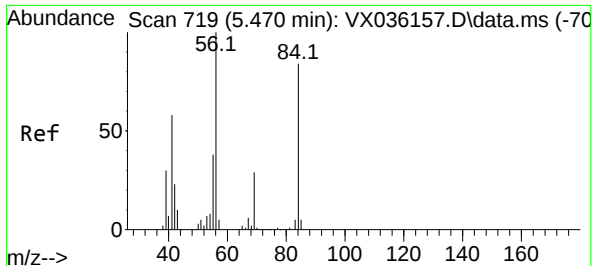
Ion Ratio Lower Upper

42 100

72 40.2 34.2 51.4

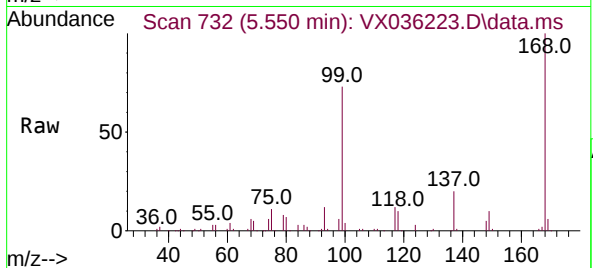
71 0.0 32.2 48.2#



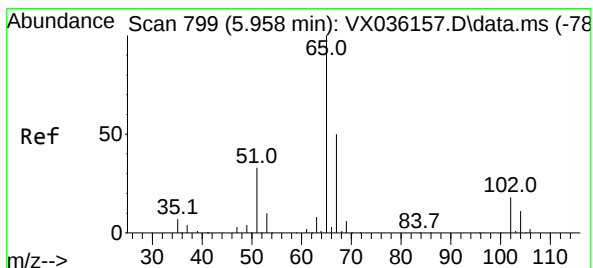
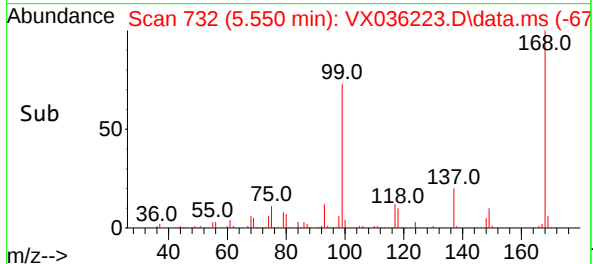
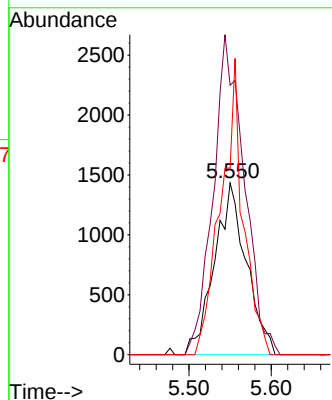


#31
Cyclohexane
Concen: 1.427 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

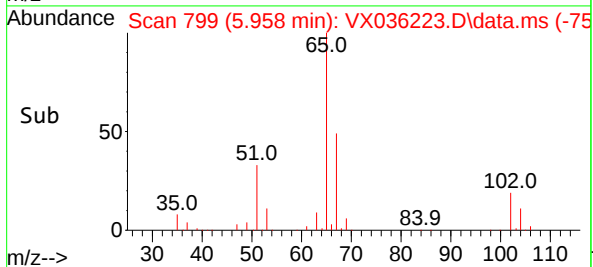
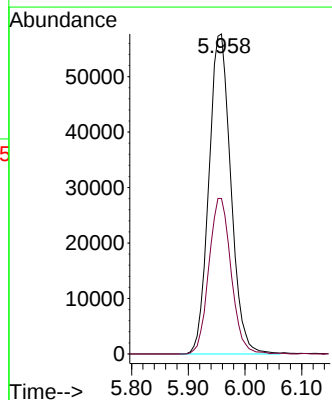
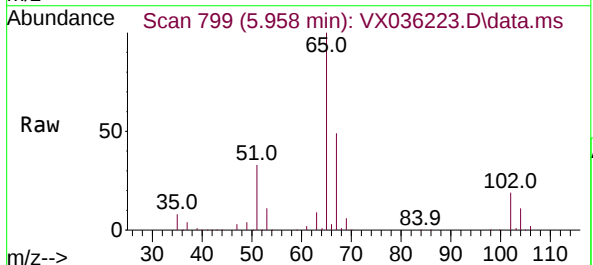


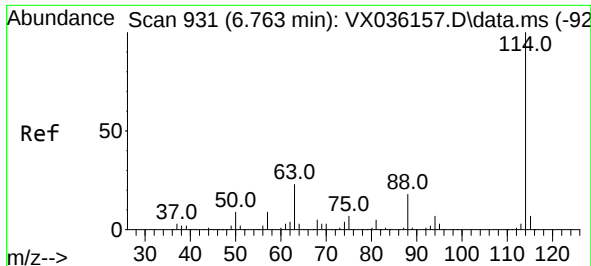
Tgt Ion: 56 Resp: 3885
Ion Ratio Lower Upper
56 100
69 156.9 23.4 35.2#
84 108.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 61.191 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 65 Resp: 155269
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2

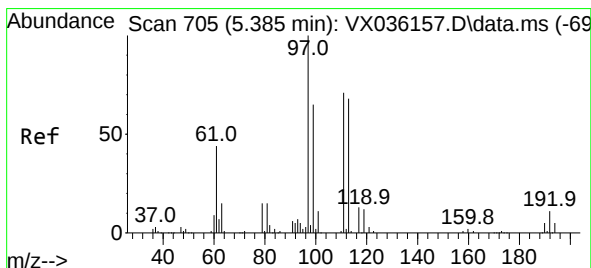
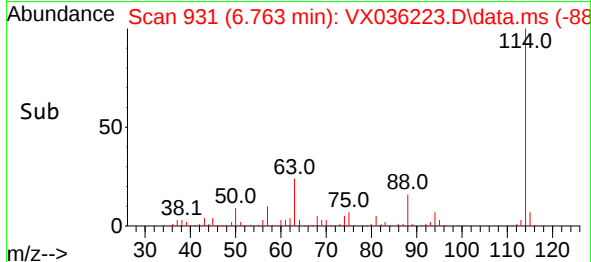
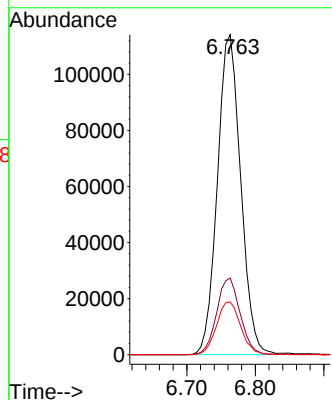
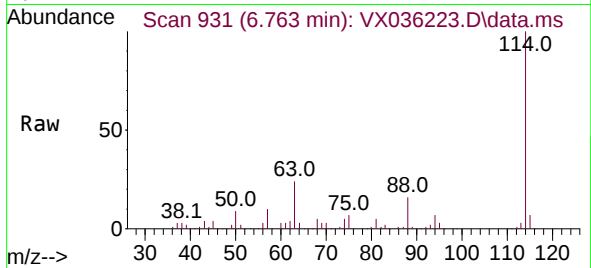




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

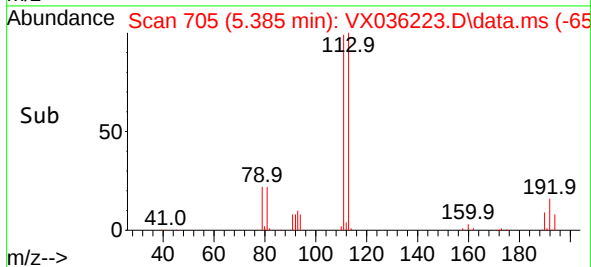
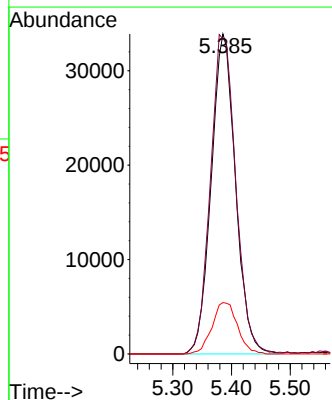
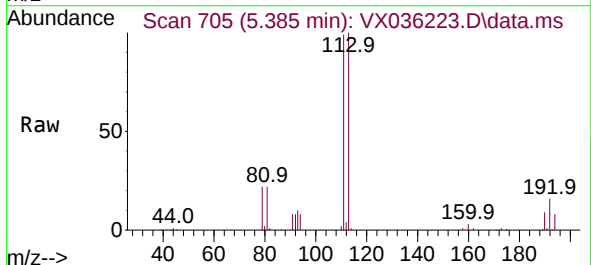
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

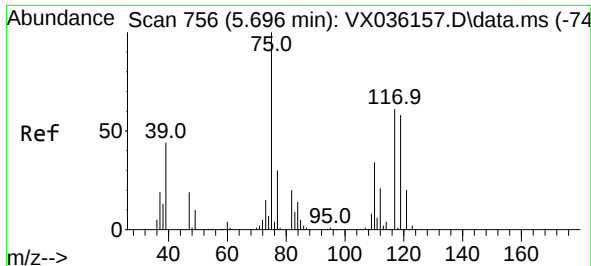
Tgt Ion:114 Resp: 269352
Ion Ratio Lower Upper
114 100
63 23.9 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.299 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion:113 Resp: 97351
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 16.9 13.3 19.9

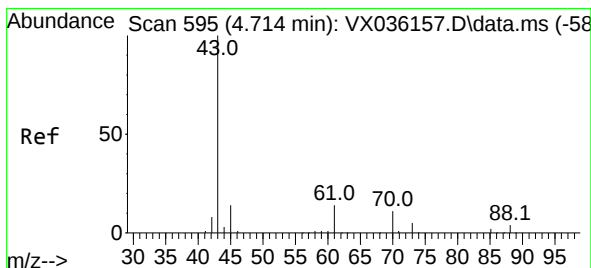
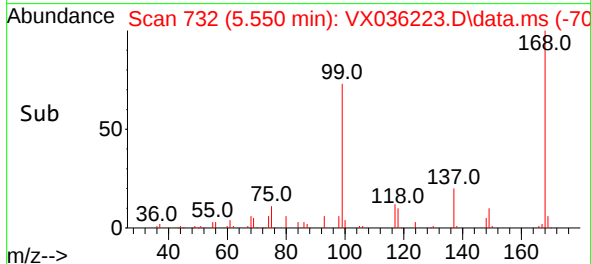
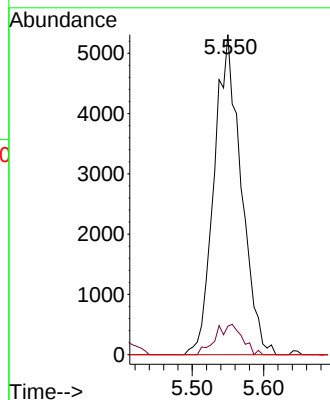
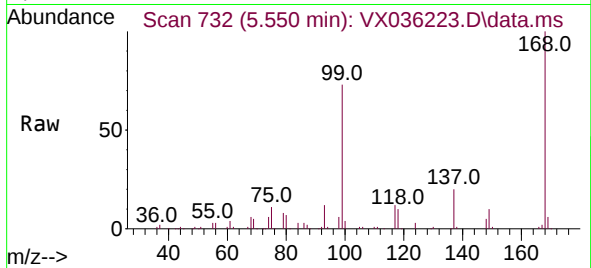




#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

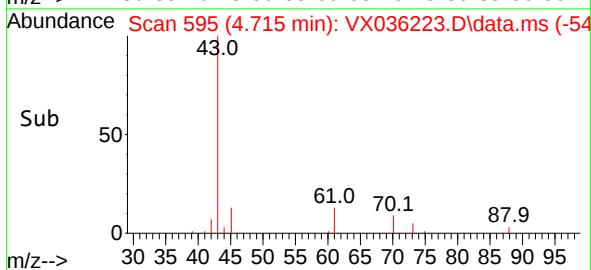
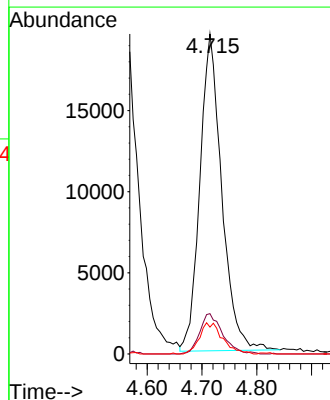
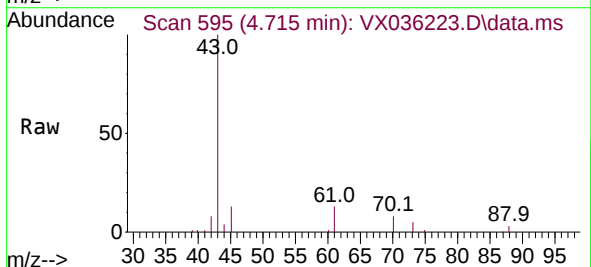
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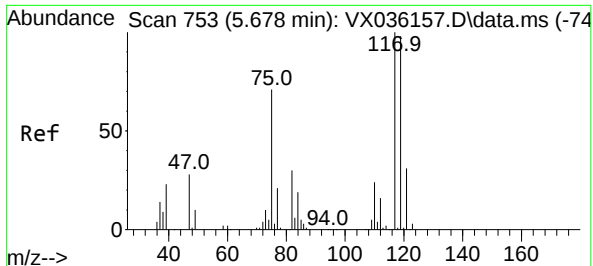
Tgt Ion: 75 Resp: 13940
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.245 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 43 Resp: 54059
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 10.4 8.3 12.5

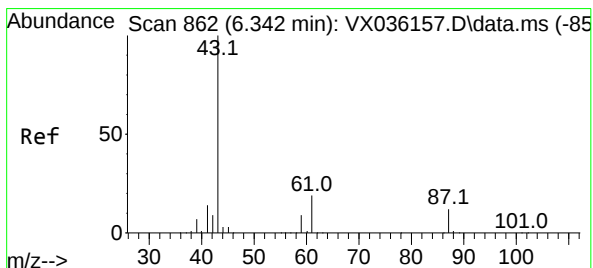
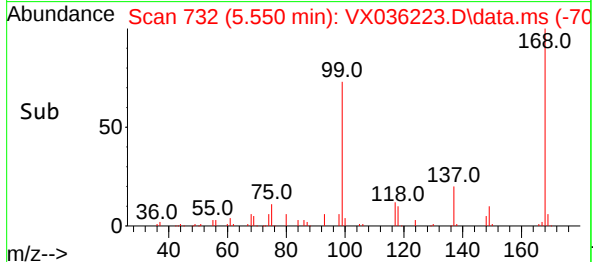
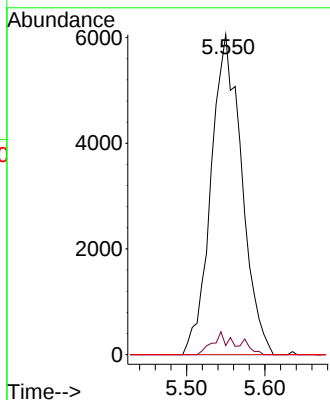
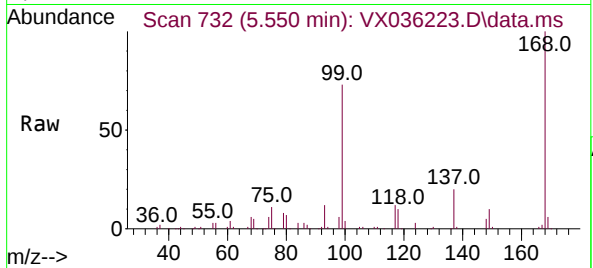




#38
Carbon Tetrachloride
Concen: 6.309 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

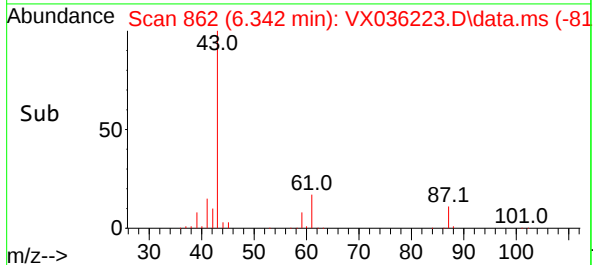
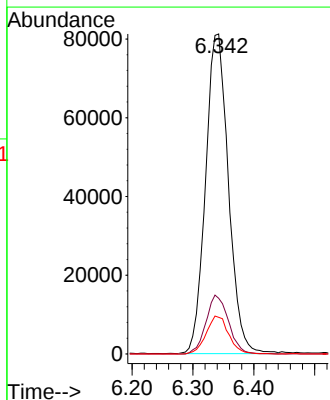
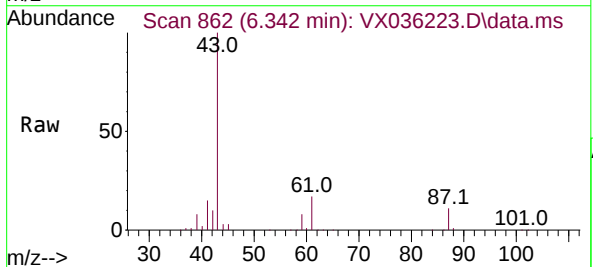
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

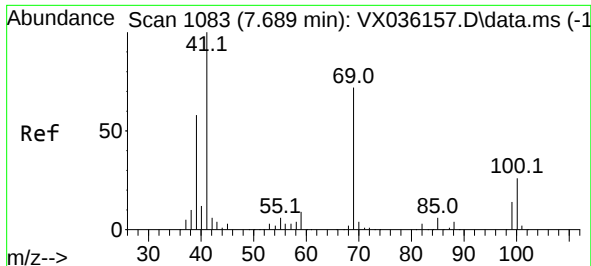
Tgt Ion:117 Resp: 16501
Ion Ratio Lower Upper
117 100
119 2.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 44.201 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 43 Resp: 212048
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.6 9.8 14.6

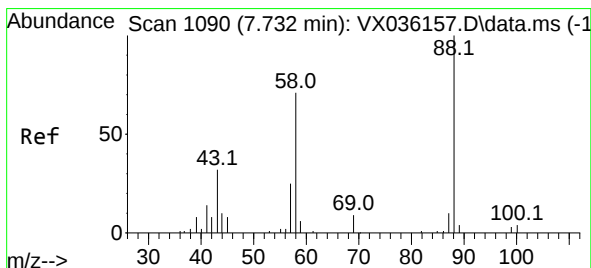
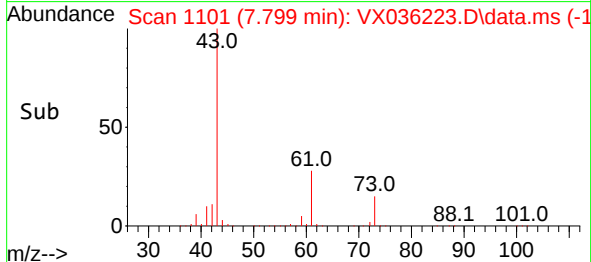
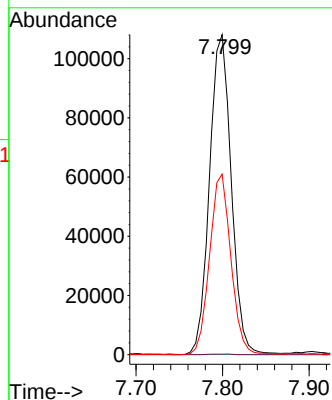
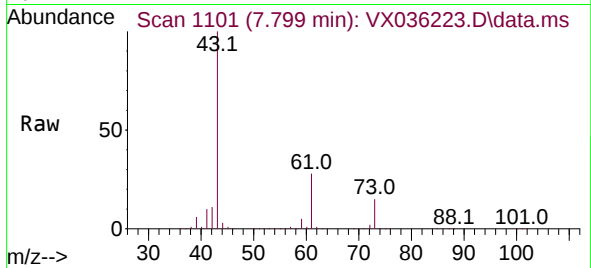




#48
Methyl methacrylate
Concen: 76.502 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

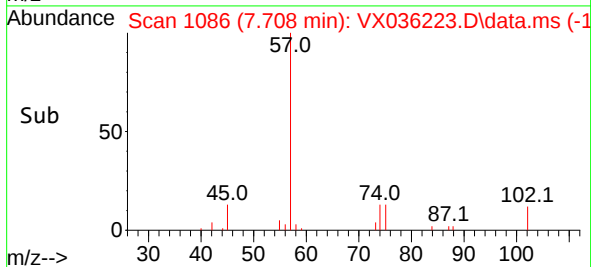
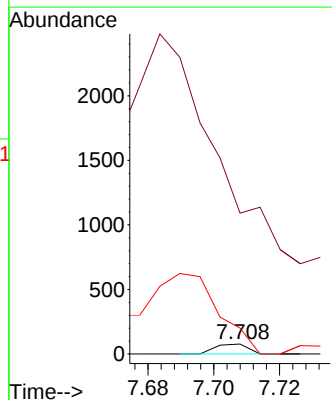
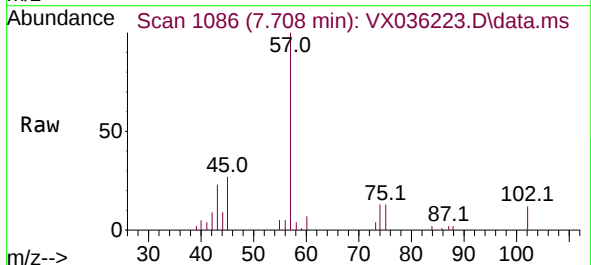
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

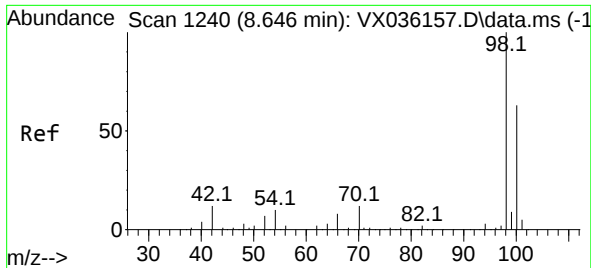
Tgt Ion: 41 Resp: 188294
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.4 47.7 71.5



#49
1,4-Dioxane
Concen: 1.286 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. -0.024 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1541.5 60.1 90.1#

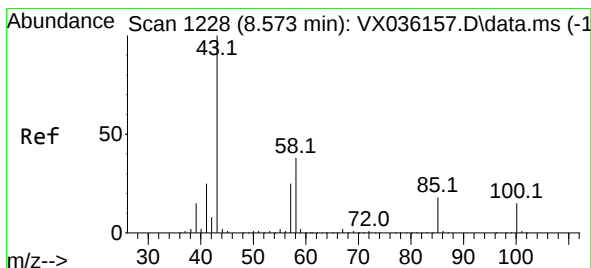
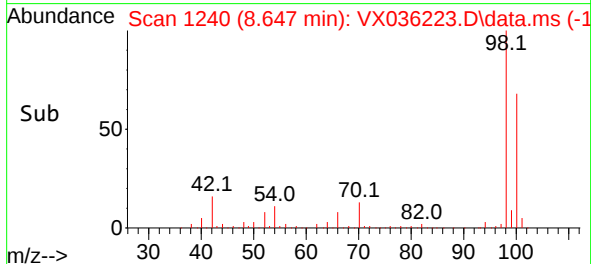
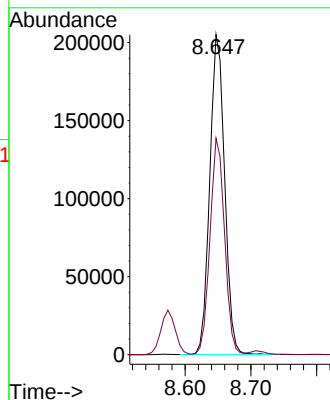
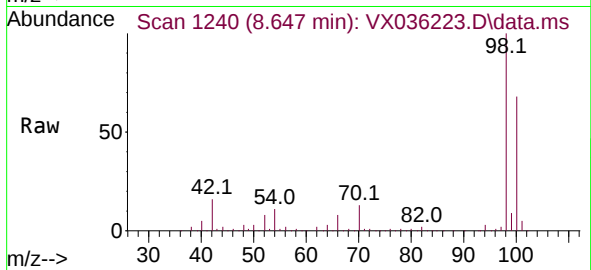




#50
Toluene-d8
Concen: 48.252 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

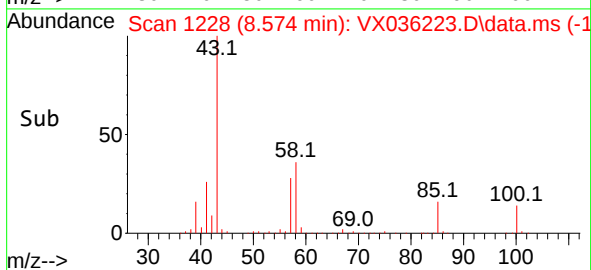
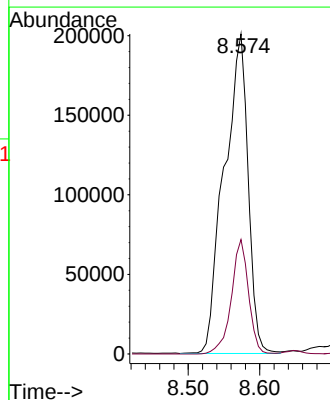
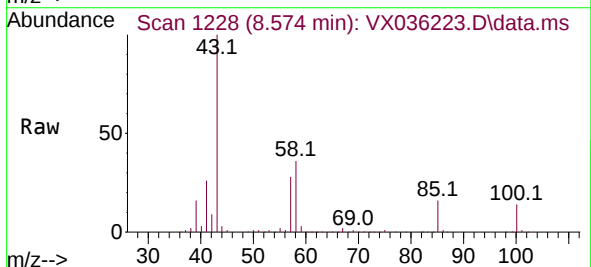
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

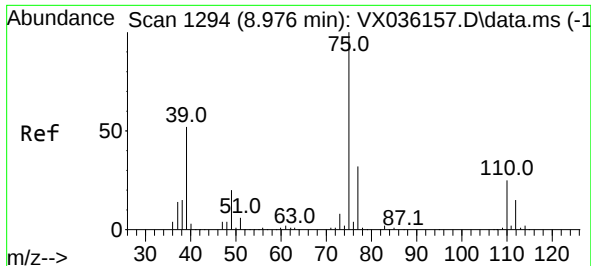
Tgt Ion: 98 Resp: 322385
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 153.104 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 43 Resp: 463774
Ion Ratio Lower Upper
43 100
58 25.9 30.4 45.6#

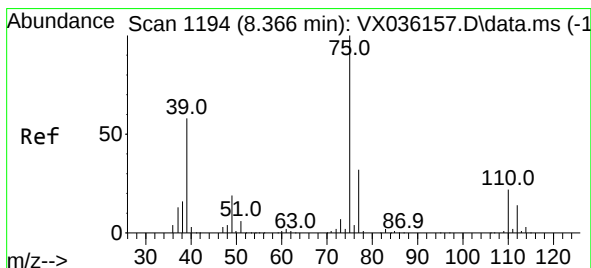
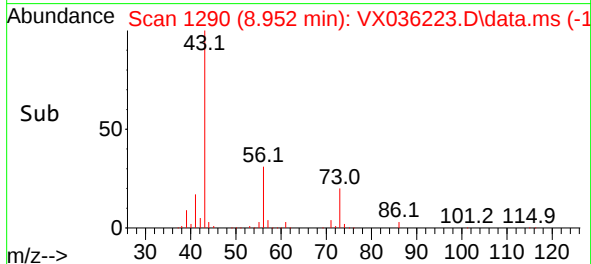
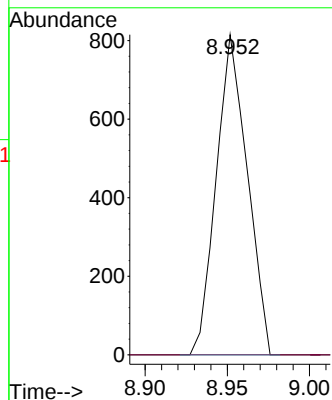
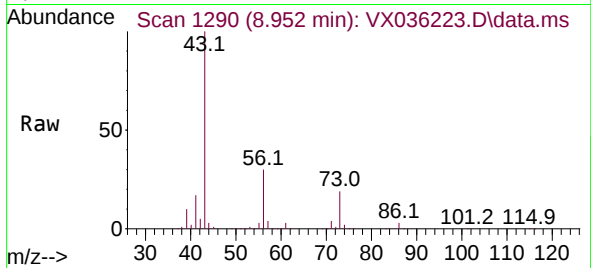




#53
t-1,3-Dichloropropene
Concen: 0.378 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

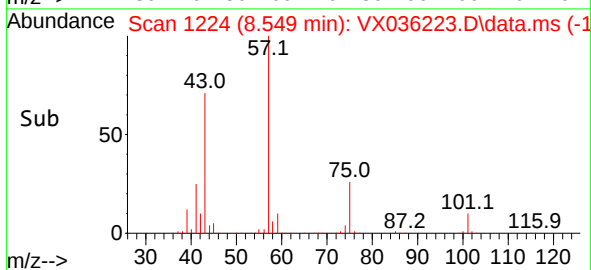
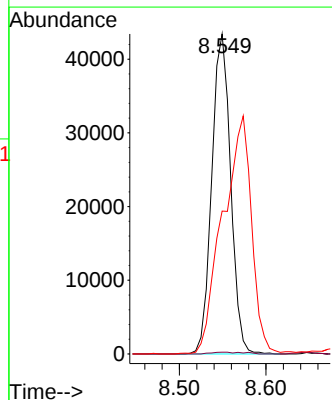
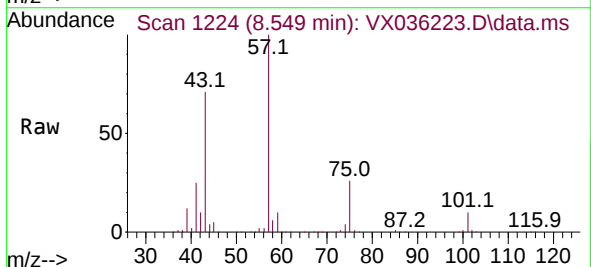
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

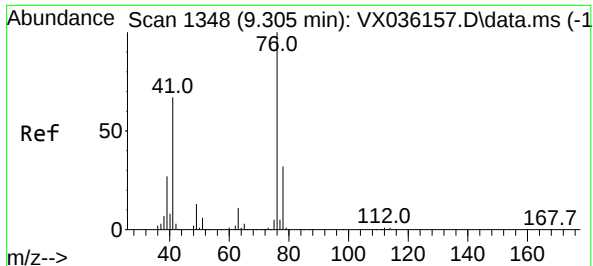
Tgt Ion: 75 Resp: 1070
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 21.598 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 75 Resp: 65631
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 44.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.457 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

Instrument :

MSVOA_X

ClientSampleId :

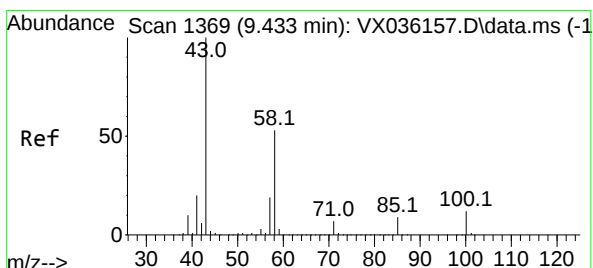
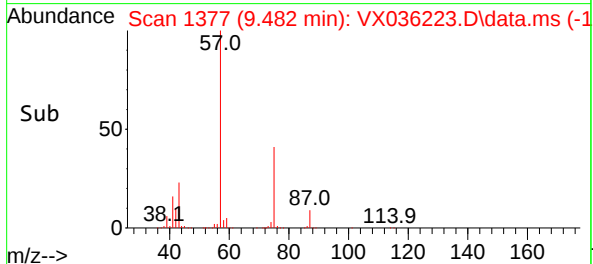
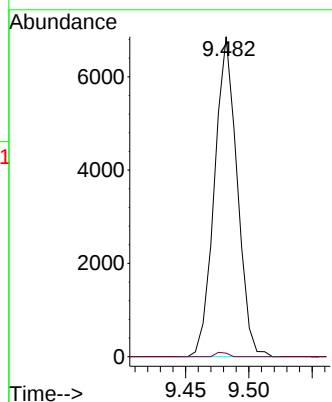
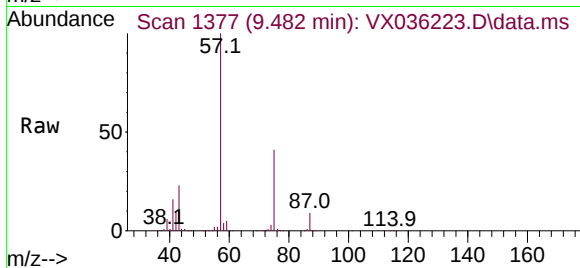
PB153531ZHE#11

Tgt Ion: 76 Resp: 8549

Ion Ratio Lower Upper

76 100

78 0.7 26.1 39.1#



#59

2-Hexanone

Concen: 57.975 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036223.D

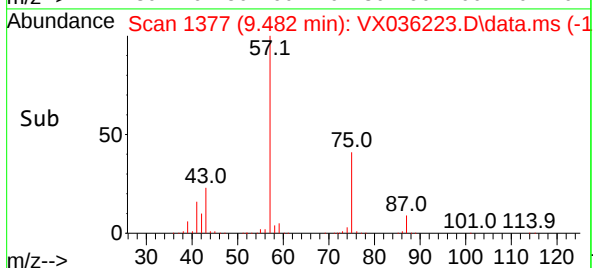
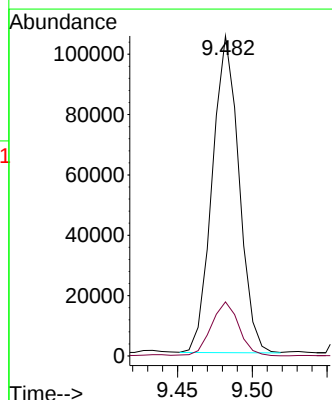
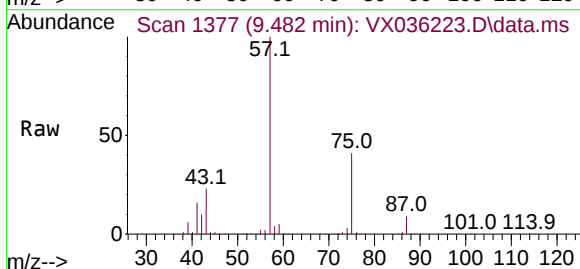
Acq: 19 Jun 2023 21:56

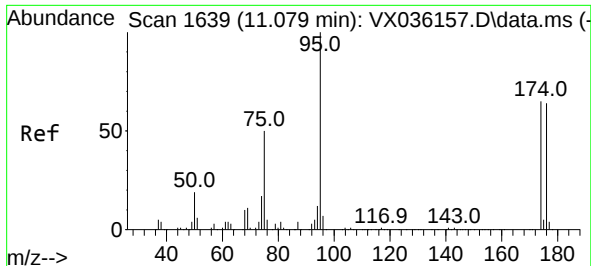
Tgt Ion: 43 Resp: 130560

Ion Ratio Lower Upper

43 100

58 17.7 26.2 78.5#

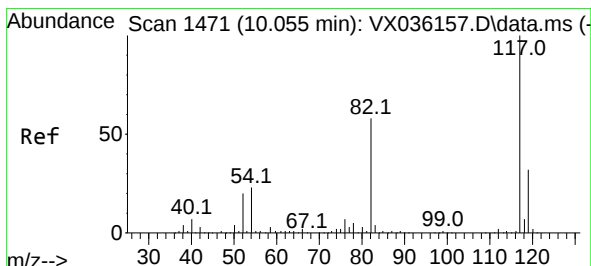
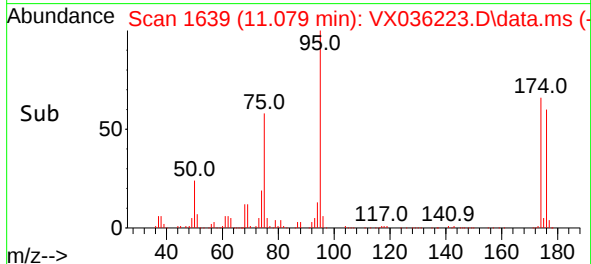
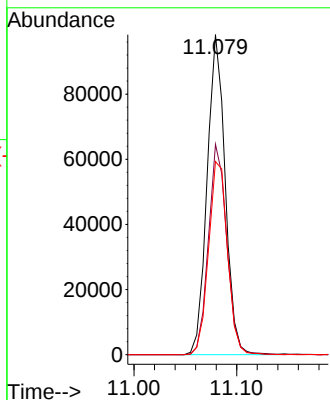
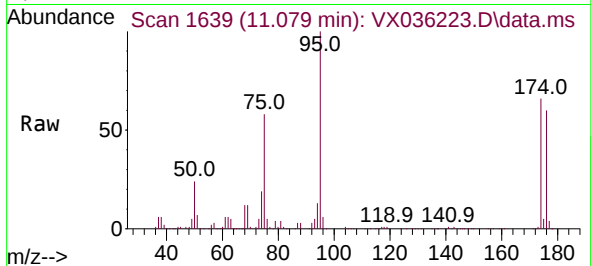




#62
4-Bromofluorobenzene
Concen: 44.463 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

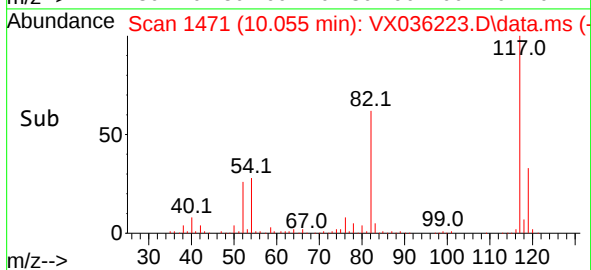
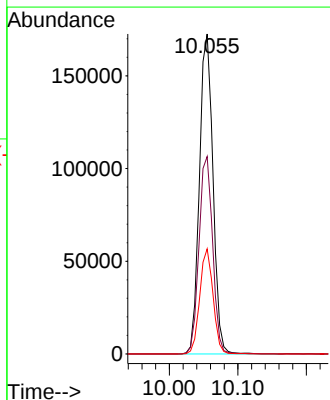
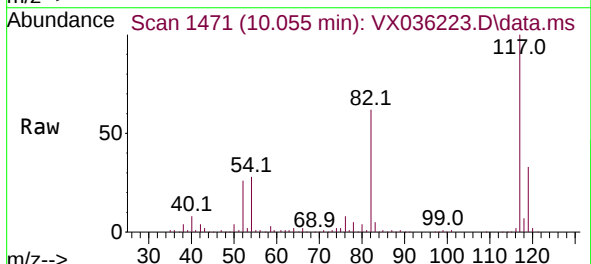
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

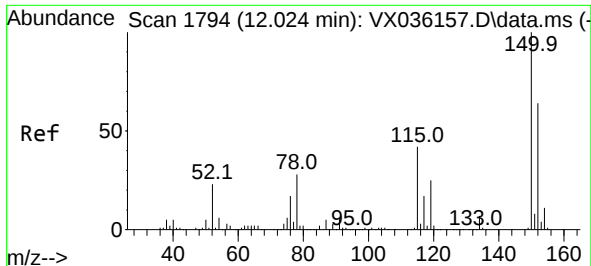
Tgt Ion: 95 Resp: 119915
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.6
176 63.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 117 Resp: 237709
Ion Ratio Lower Upper
117 100
82 61.7 46.2 69.4
119 32.8 25.5 38.3

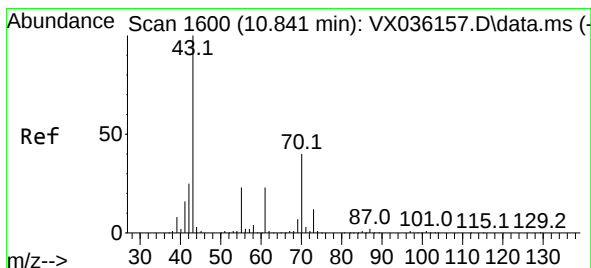
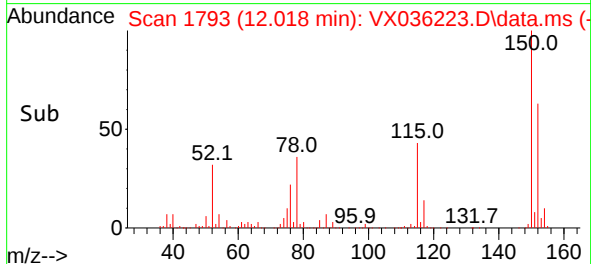
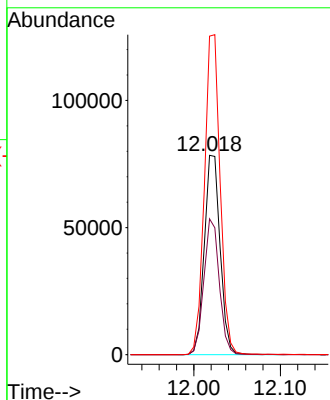
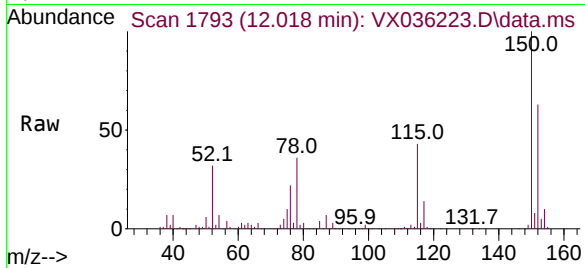




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

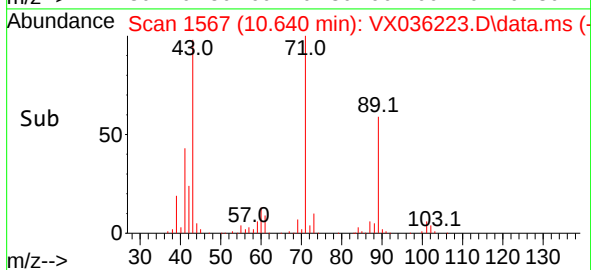
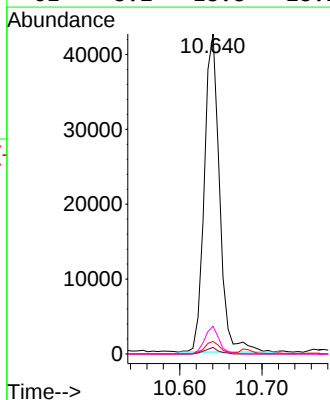
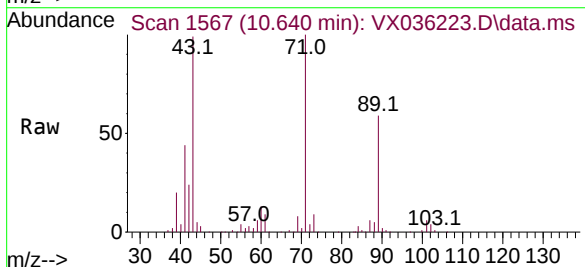
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#11

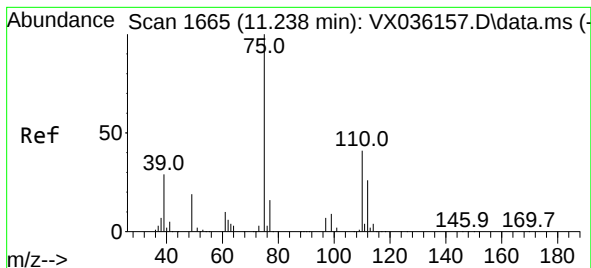
Tgt Ion:152 Resp: 99314
Ion Ratio Lower Upper
152 100
115 66.6 43.3 129.9
150 160.2 0.0 345.0



#74
N-ethyl acetate
Concen: 16.418 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036223.D
Acq: 19 Jun 2023 21:56

Tgt Ion: 43 Resp: 54675
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 4.1 19.3 28.9#
61 8.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 29.358 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

Instrument :

MSVOA_X

ClientSampleId :

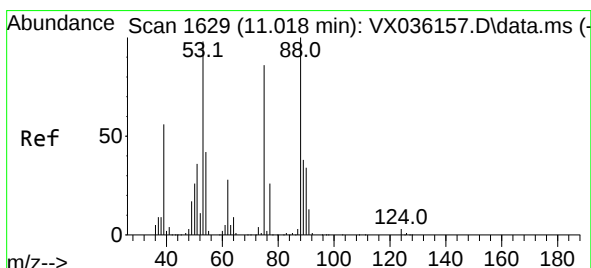
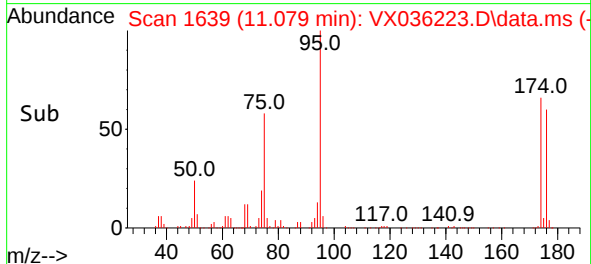
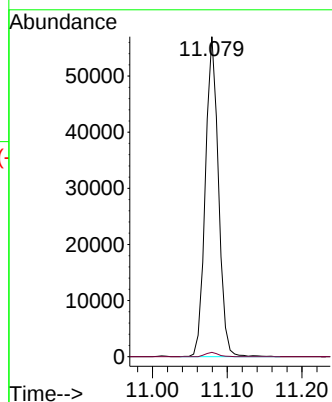
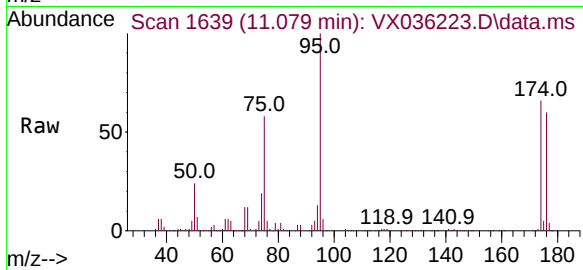
PB153531ZHE#11

Tgt Ion: 75 Resp: 69197

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.760 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036223.D

Acq: 19 Jun 2023 21:56

Tgt Ion: 75 Resp: 69197

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.0 36.9 55.3#

