

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036220.D
 Acq On : 19 Jun 2023 20:46
 Operator : JC/MD
 Sample : PB153531ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#08

Quant Time: Jun 20 03:49:09 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)

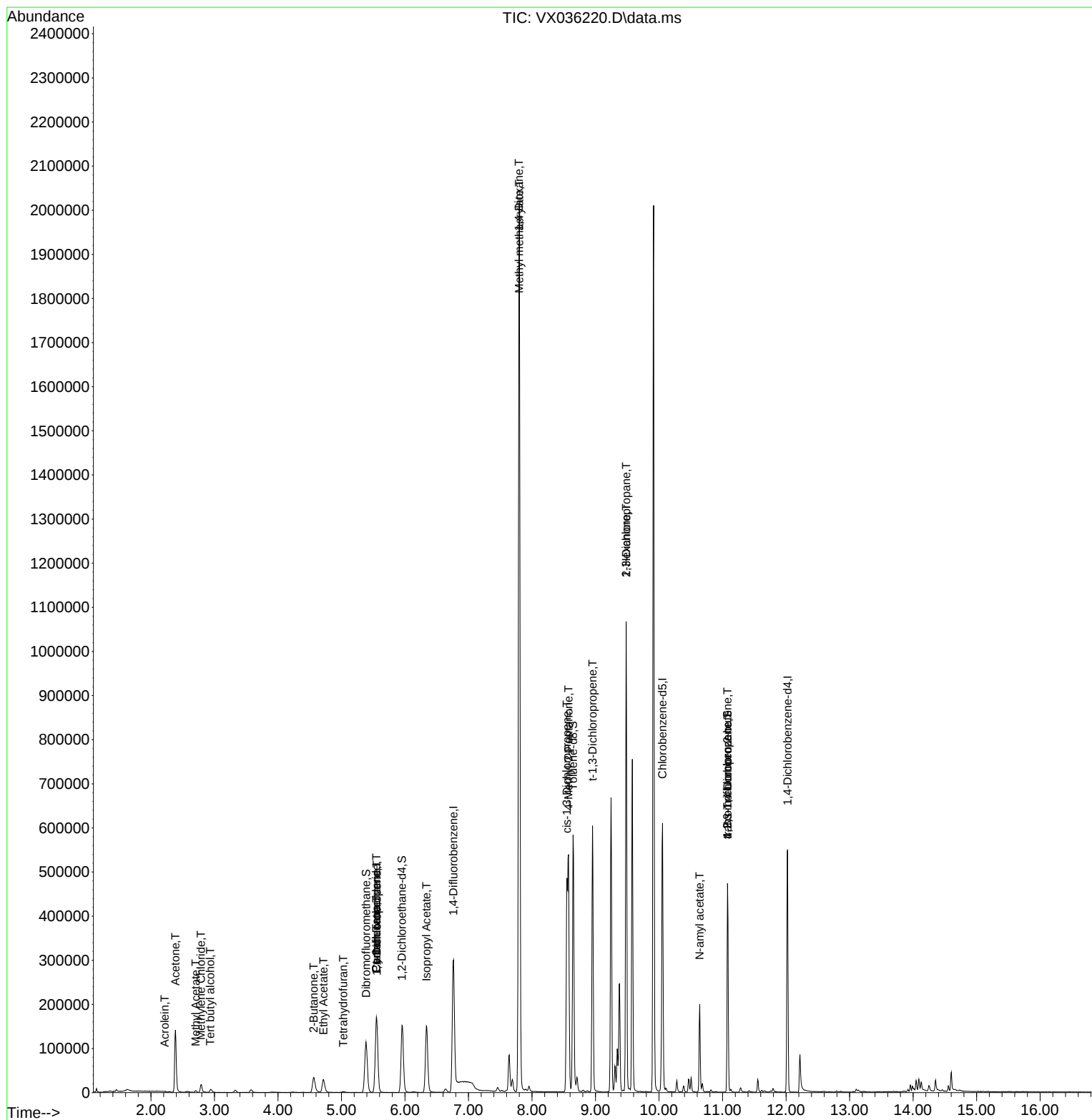
Internal Standards						
1) Pentafluorobenzene	5.550	168	143418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	273241	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156898	59.865	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.720%#			
35) Dibromofluoromethane	5.385	113	98889	53.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.740%			
50) Toluene-d8	8.647	98	321076	47.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.740%			
62) 4-Bromofluorobenzene	11.079	95	121777	44.511	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.020%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	5070	12.654	ug/l #	80
13) Acrolein	2.215	56	146	0.328	ug/l #	39
16) Acetone	2.386	43	165680	152.155	ug/l	99
18) Methyl Acetate	2.703	43	5152	1.248	ug/l	92
20) Methylene Chloride	2.788	84	9092	4.609	ug/l	96
25) 2-Butanone	4.562	43	54474	35.734	ug/l	99
29) Tetrahydrofuran	5.025	42	1921	1.984	ug/l #	71
31) Cyclohexane	5.550	56	4124	1.467	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	14851	5.441	ug/l #	51
37) Ethyl Acetate	4.715	43	51091	16.067	ug/l	99
38) Carbon Tetrachloride	5.550	117	16577	6.248	ug/l #	16
43) Isopropyl Acetate	6.336	43	210650	43.285	ug/l	98
48) Methyl methacrylate	7.799	41	188109	75.339	ug/l #	49
49) 1,4-Dioxane	7.793	88	264	6.315	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	463940	150.979	ug/l #	80
53) t-1,3-Dichloropropene	8.952	75	1196	0.416	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65761	21.333	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	8439	2.391	ug/l #	42
59) 2-Hexanone	9.482	43	133018	58.226	ug/l #	50
74) N-amyl acetate	10.640	43	53906	15.292	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	70932	28.430	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	70932	99.510	ug/l #	5

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

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Response via : Initial Calibration

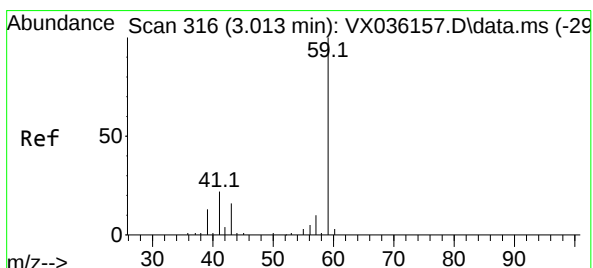
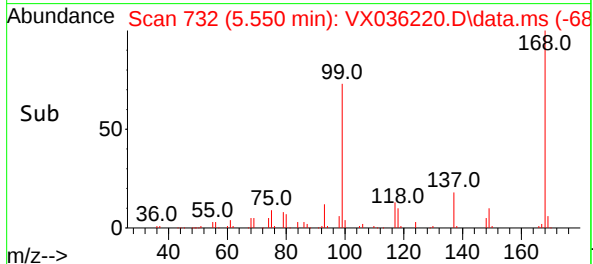
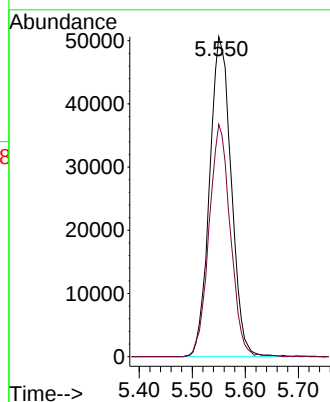
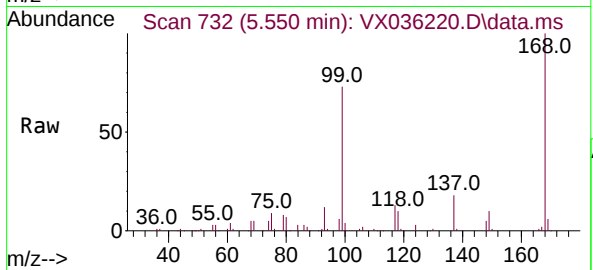




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

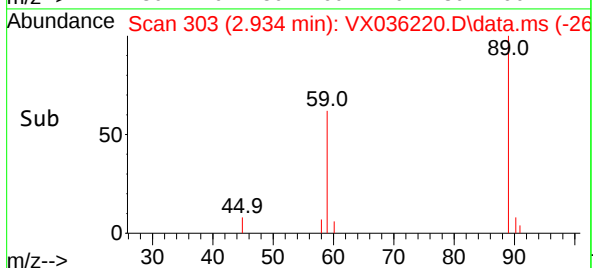
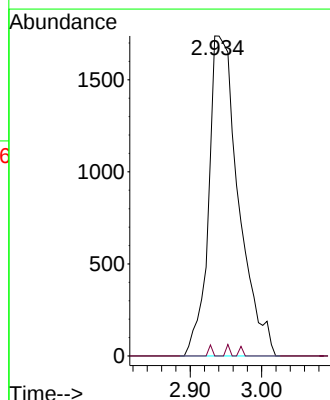
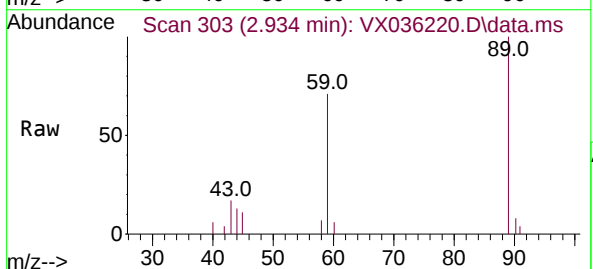
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

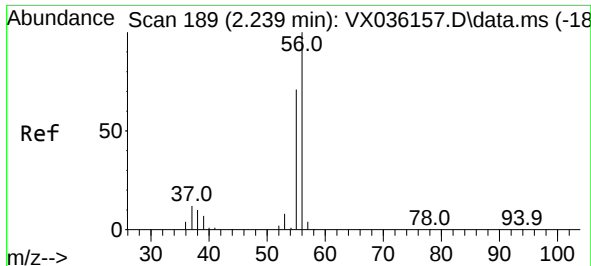
Tgt Ion:168 Resp: 143418
Ion Ratio Lower Upper
168 100
99 72.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.654 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.079 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 59 Resp: 5070
Ion Ratio Lower Upper
59 100
57 0.4 6.0 9.0#

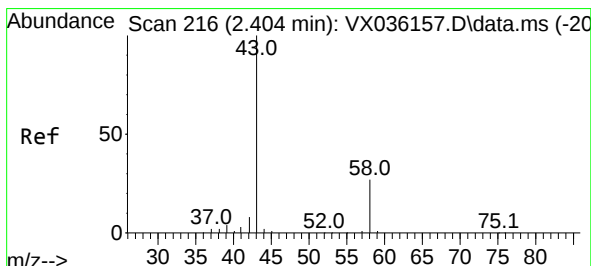
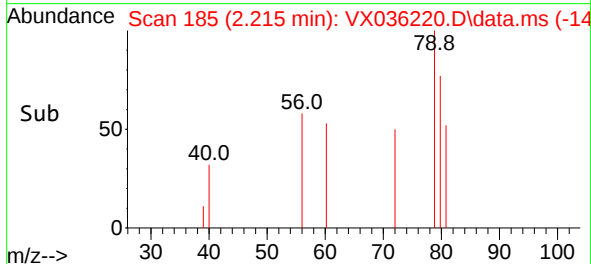
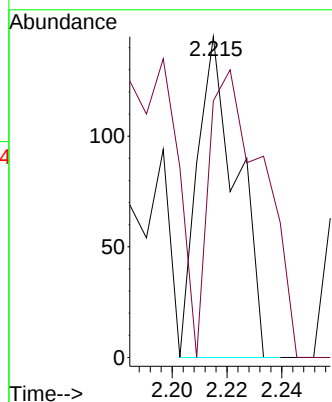
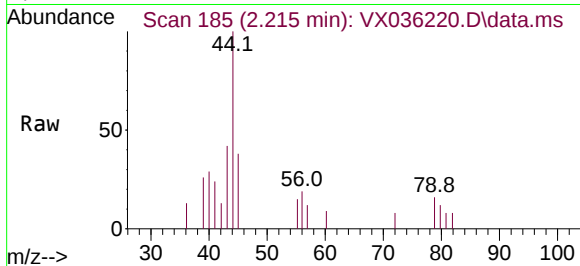




#13
Acrolein
Concen: 0.328 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

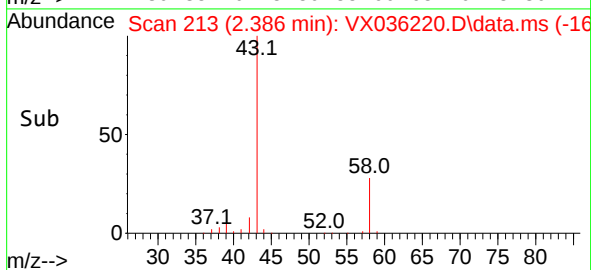
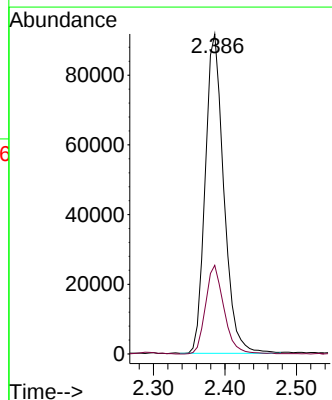
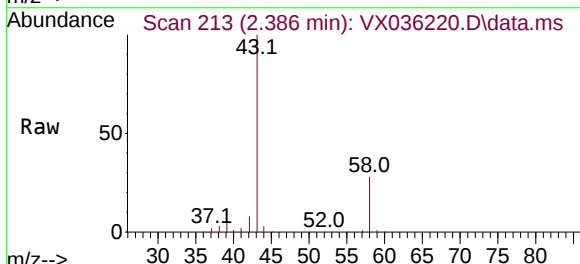
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

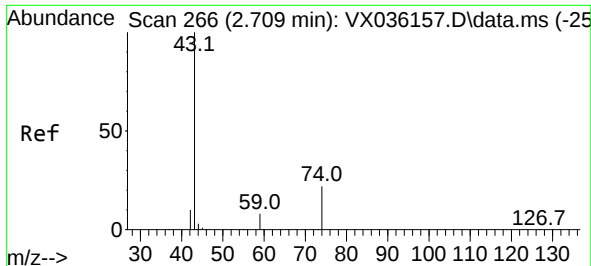
Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 121.9 57.1 85.7#



#16
Acetone
Concen: 152.155 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 43 Resp: 165680
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9

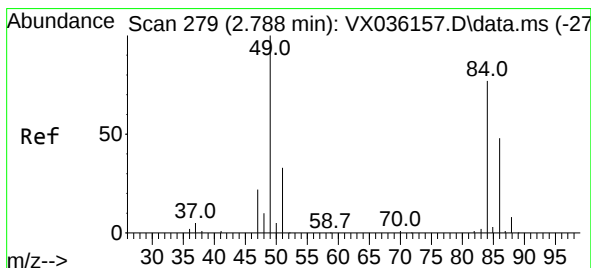
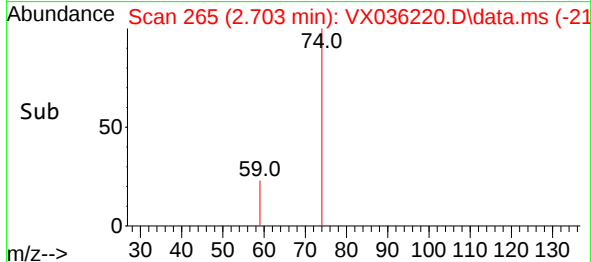
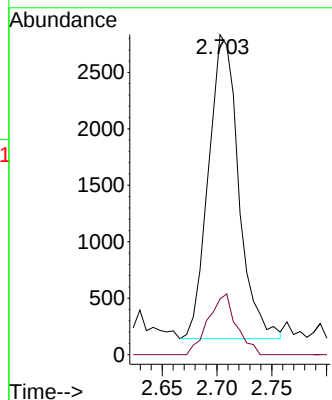
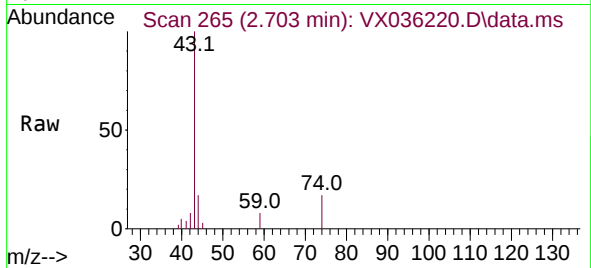




#18
Methyl Acetate
Concen: 1.248 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

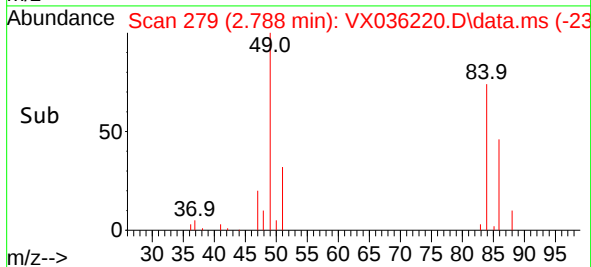
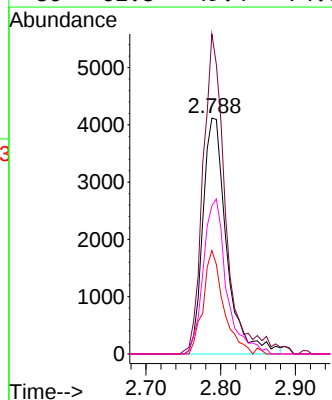
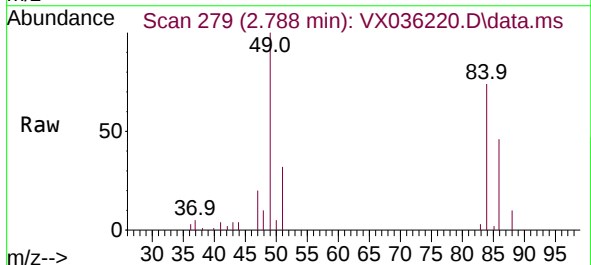
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

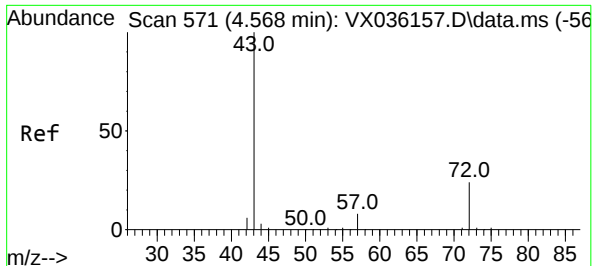
Tgt Ion: 43 Resp: 5152
Ion Ratio Lower Upper
43 100
74 18.7 17.8 26.8



#20
Methylene Chloride
Concen: 4.609 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 84 Resp: 9092
Ion Ratio Lower Upper
84 100
49 135.7 103.6 155.4
51 43.8 33.8 50.6
86 62.8 49.4 74.0





#25

2-Butanone

Concen: 35.734 ug/l

RT: 4.562 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Instrument :

MSVOA_X

ClientSampleId :

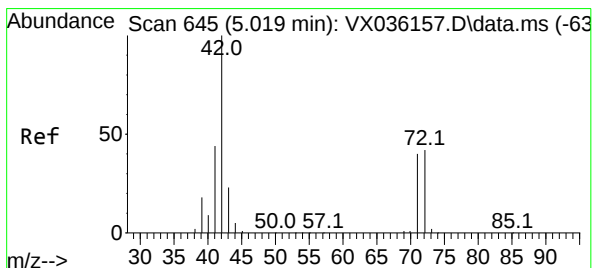
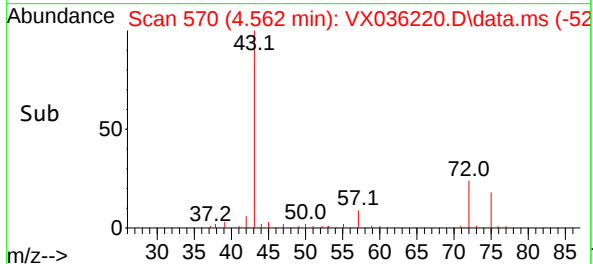
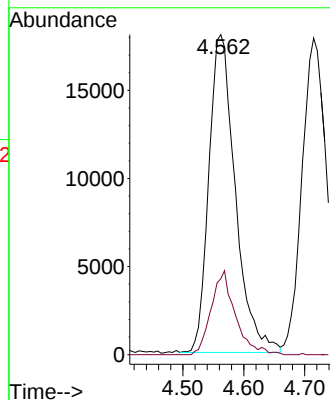
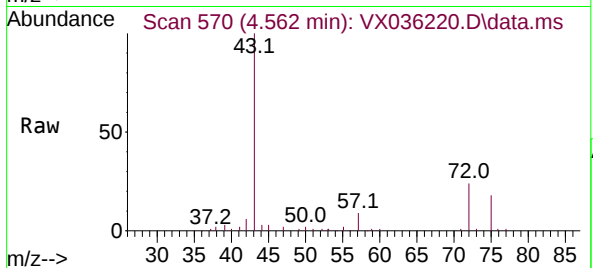
PB153531ZHE#08

Tgt Ion: 43 Resp: 54474

Ion Ratio Lower Upper

43 100

72 23.9 19.4 29.2



#29

Tetrahydrofuran

Concen: 1.984 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

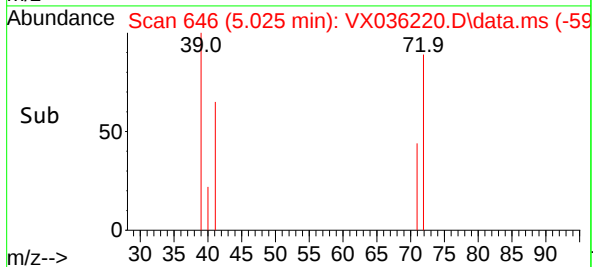
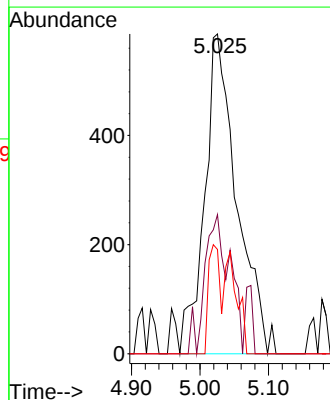
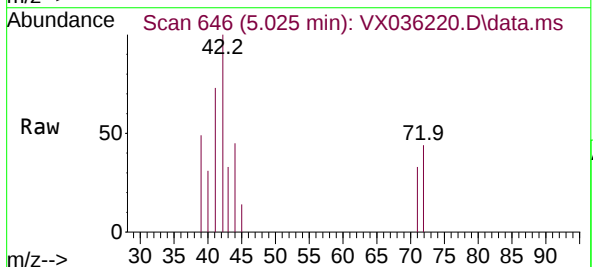
Tgt Ion: 42 Resp: 1921

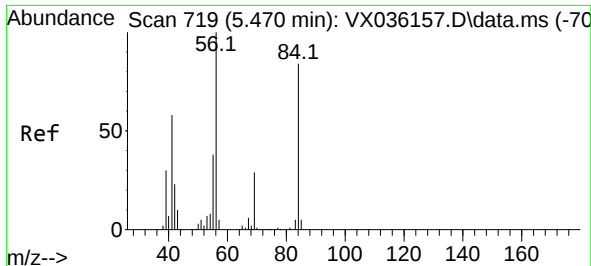
Ion Ratio Lower Upper

42 100

72 33.8 34.2 51.4#

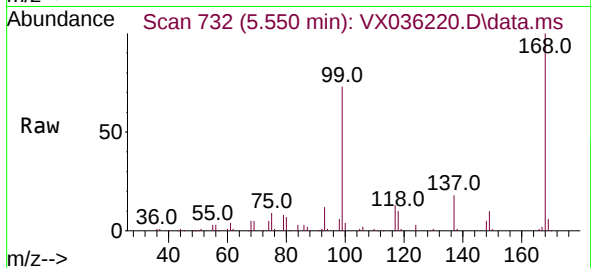
71 12.1 32.2 48.2#



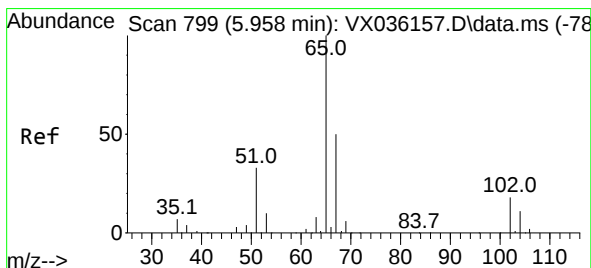
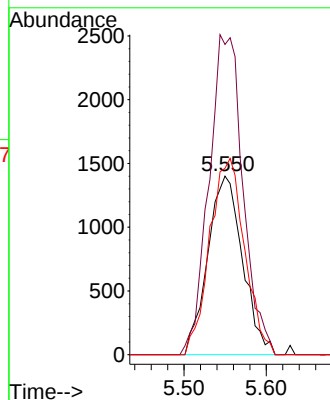
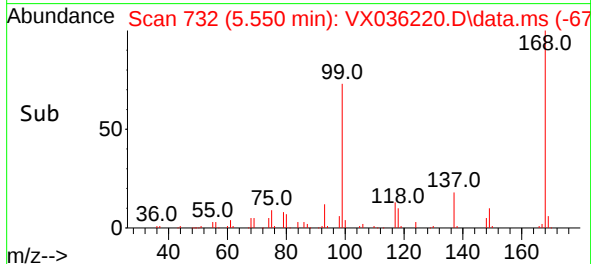


#31
Cyclohexane
Concen: 1.467 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

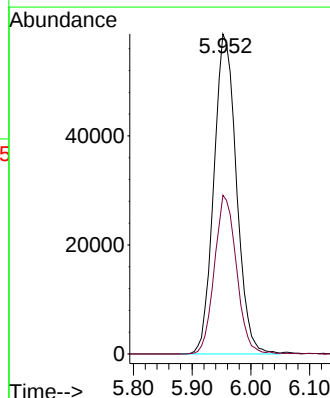
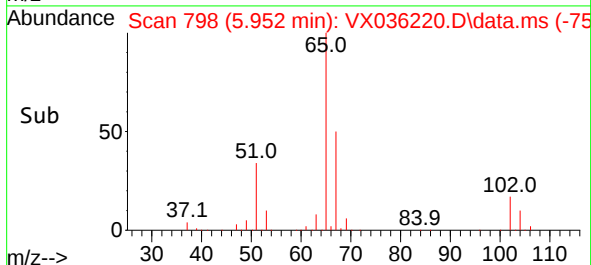
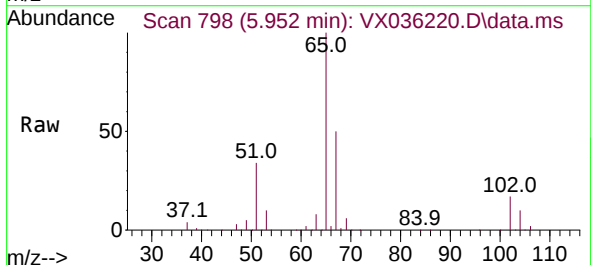


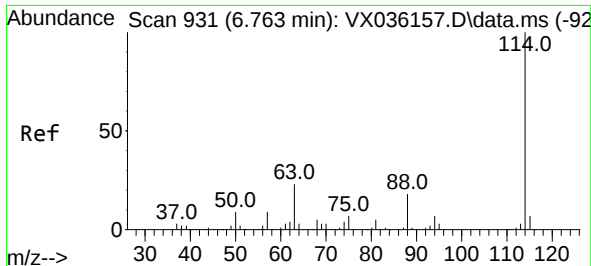
Tgt Ion: 56 Resp: 4124
Ion Ratio Lower Upper
56 100
69 173.7 23.4 35.2#
84 104.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 59.865 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 65 Resp: 156898
Ion Ratio Lower Upper
65 100
67 48.5 0.0 100.2

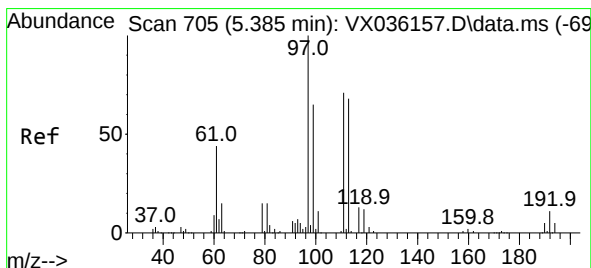
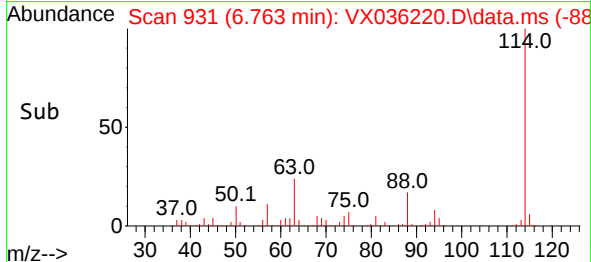
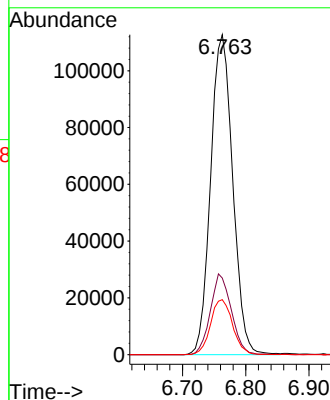
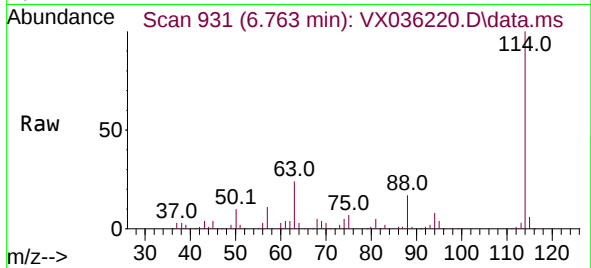




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

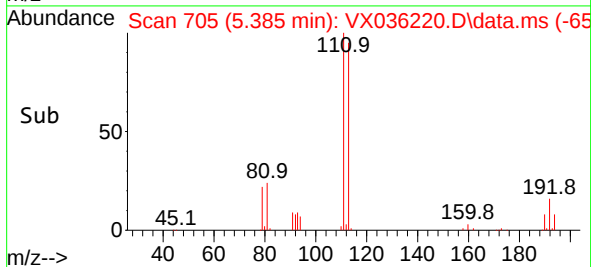
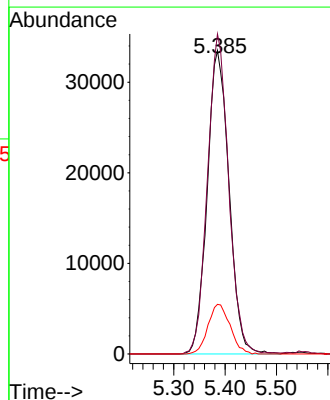
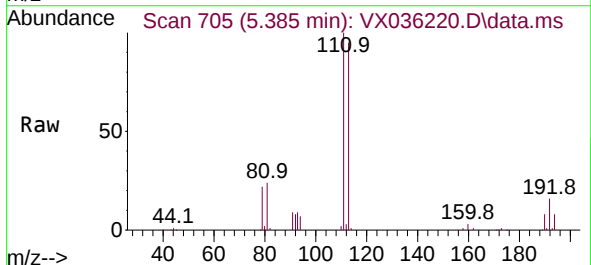
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MSVOA_X
ClientSampleId :
PB153531ZHE#08

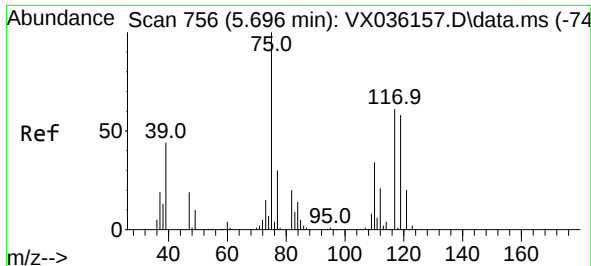
Tgt Ion:114 Resp: 273241
Ion Ratio Lower Upper
114 100
63 24.0 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.370 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion:113 Resp: 98889
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 16.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.441 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#08

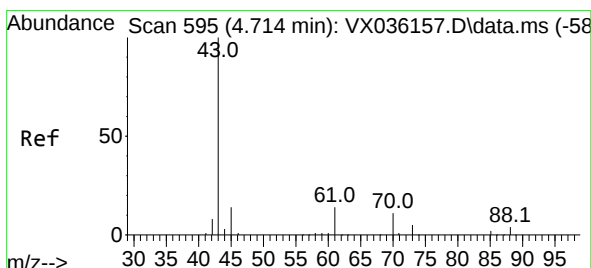
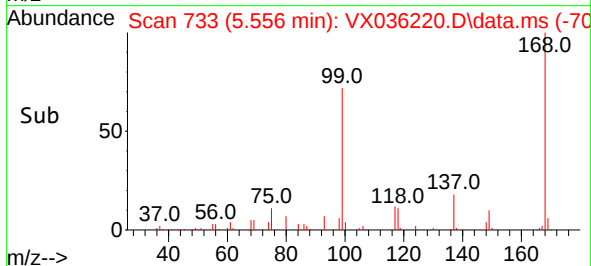
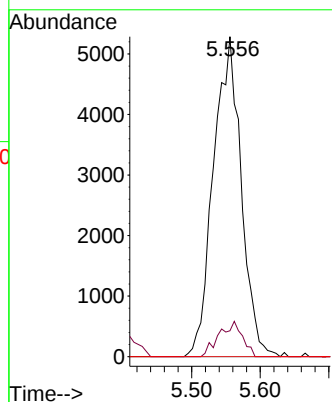
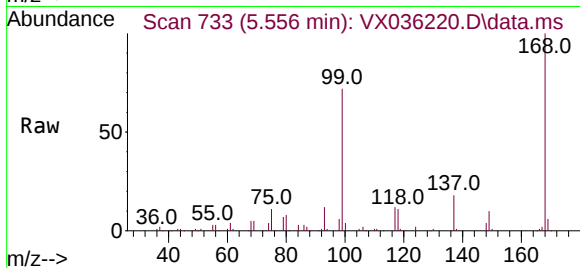
Tgt Ion: 75 Resp: 14851

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 16.067 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.001 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

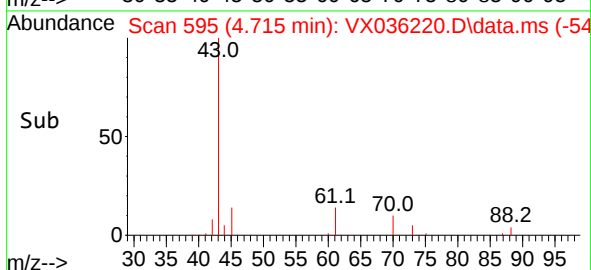
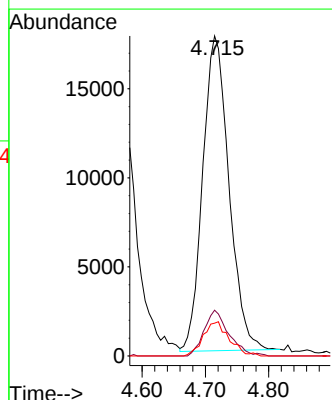
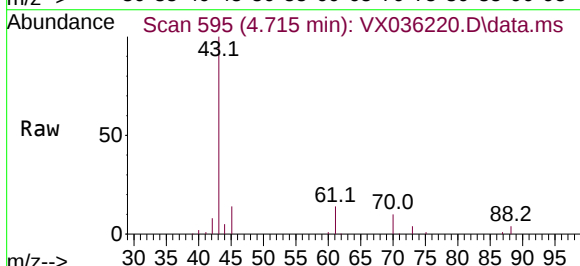
Tgt Ion: 43 Resp: 51091

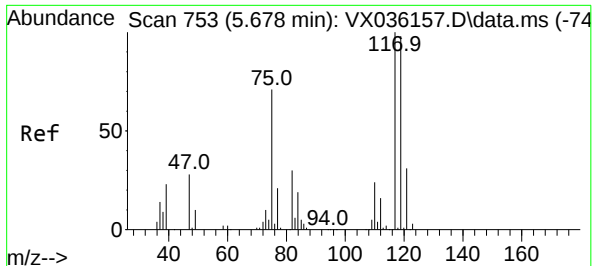
Ion Ratio Lower Upper

43 100

61 13.7 10.6 16.0

70 10.8 8.3 12.5

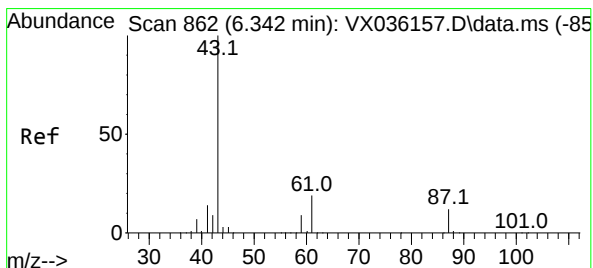
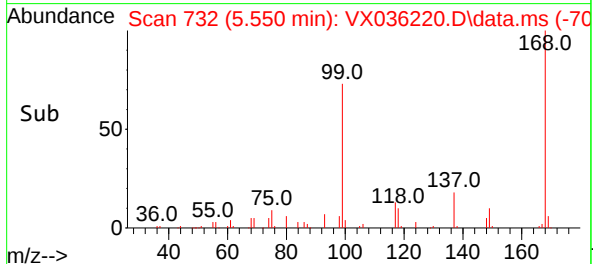
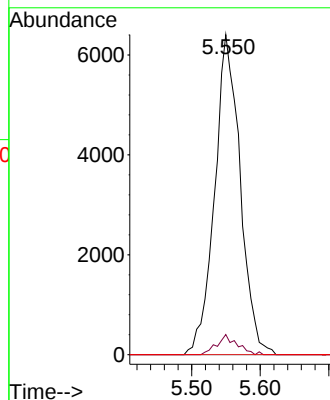
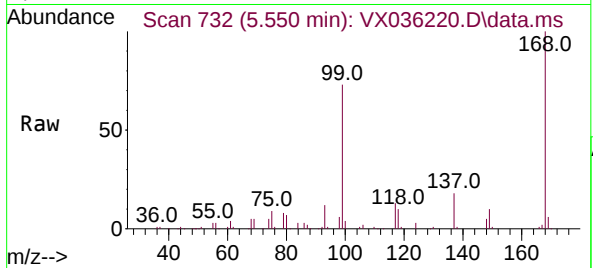




#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

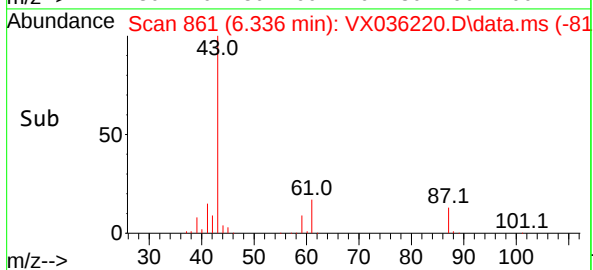
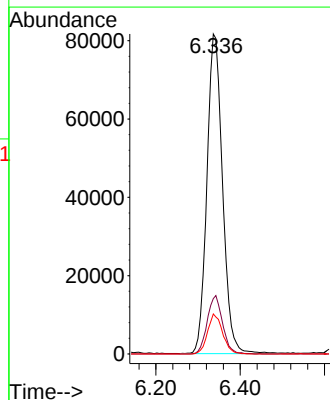
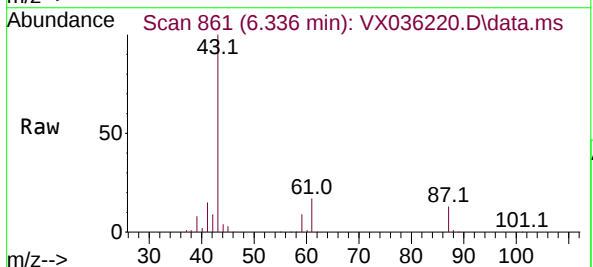
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

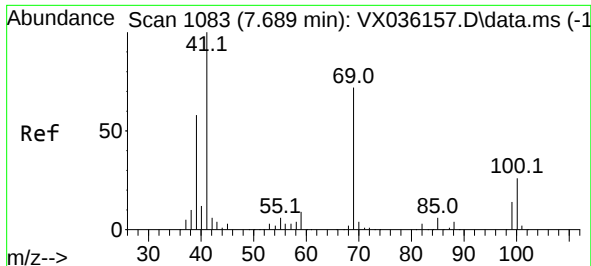
Tgt Ion:117 Resp: 16577
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 43.285 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 43 Resp: 210650
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 12.0 9.8 14.6

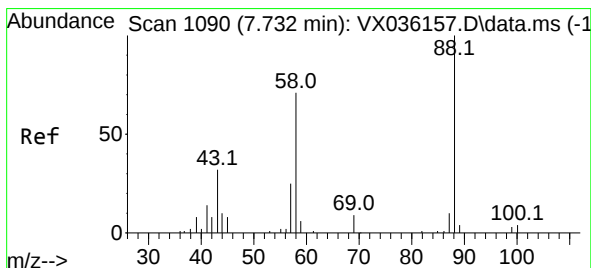
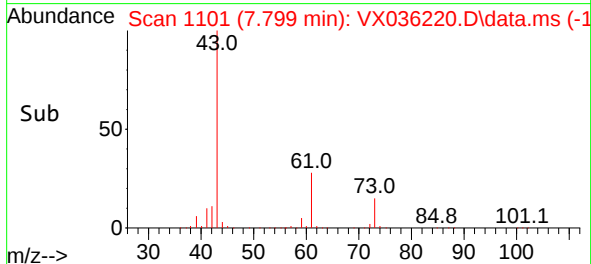
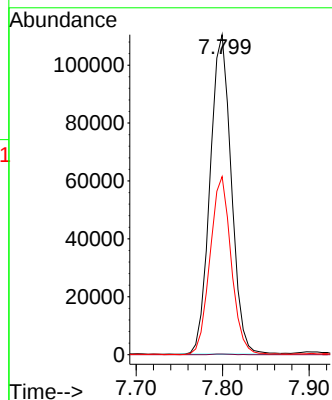
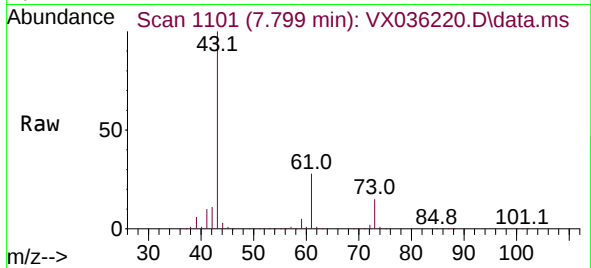




#48
Methyl methacrylate
Concen: 75.339 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

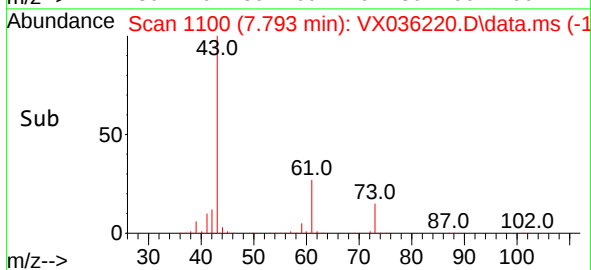
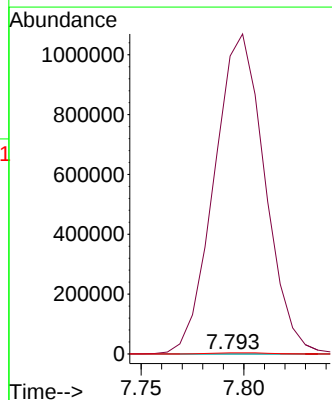
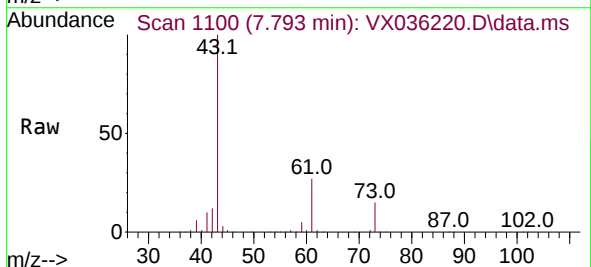
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

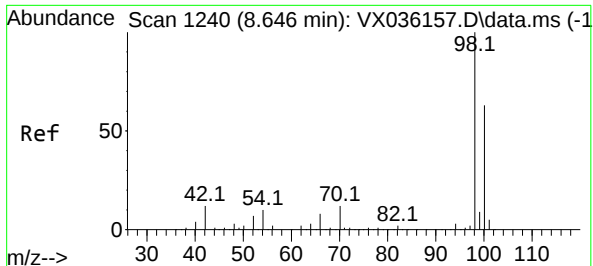
Tgt Ion: 41 Resp: 188109
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.5 47.7 71.5



#49
1,4-Dioxane
Concen: 6.315 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 88 Resp: 264
Ion Ratio Lower Upper
88 100
43 697523.5 0.0 0.0#
58 2916.3 60.1 90.1#





#50

Toluene-d8

Concen: 47.372 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Instrument :

MSVOA_X

ClientSampleId :

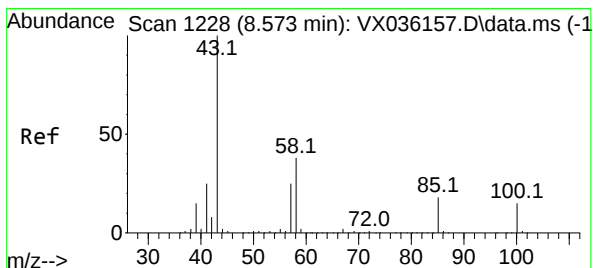
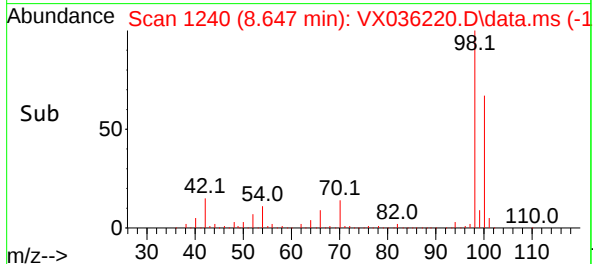
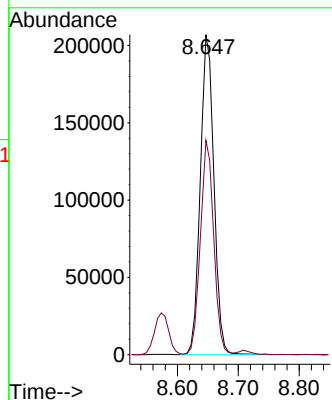
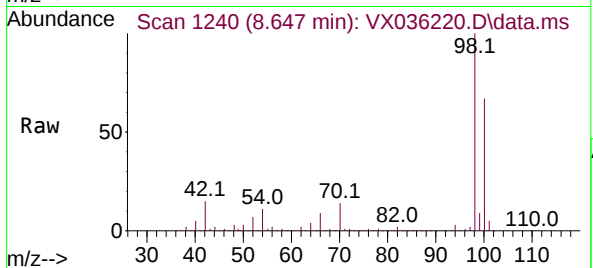
PB153531ZHE#08

Tgt Ion: 98 Resp: 321076

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 150.979 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036220.D

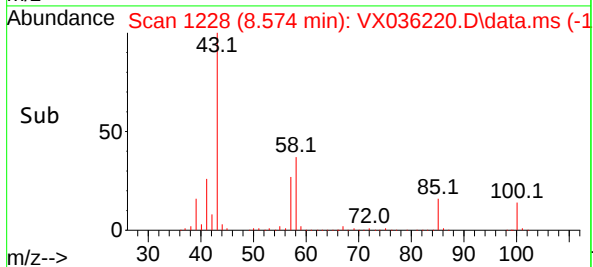
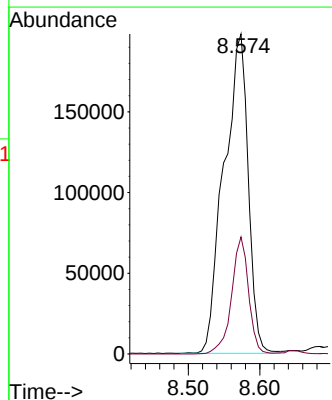
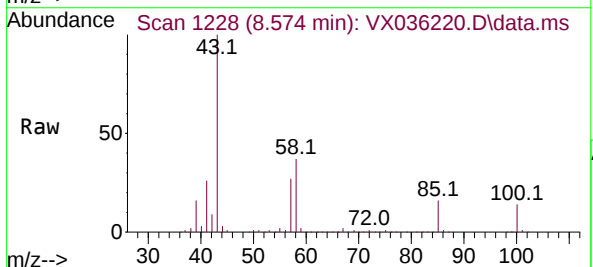
Acq: 19 Jun 2023 20:46

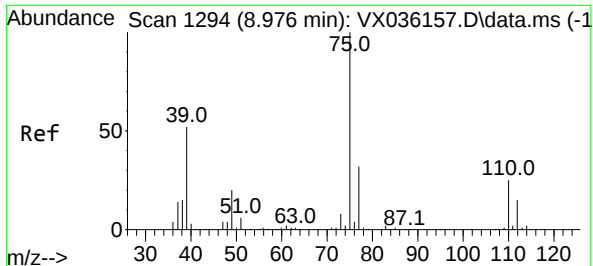
Tgt Ion: 43 Resp: 463940

Ion Ratio Lower Upper

43 100

58 25.8 30.4 45.6#

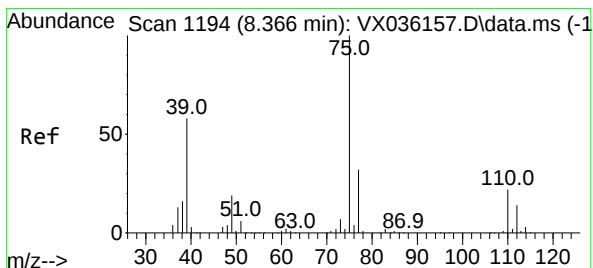
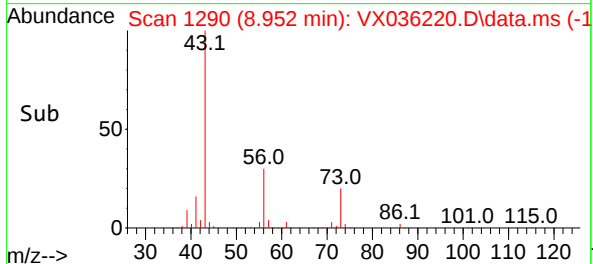
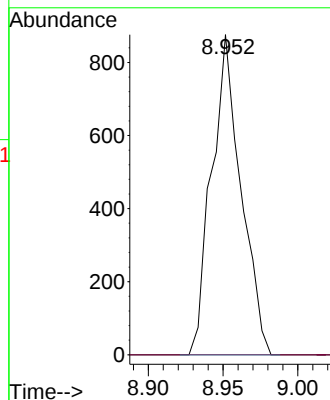
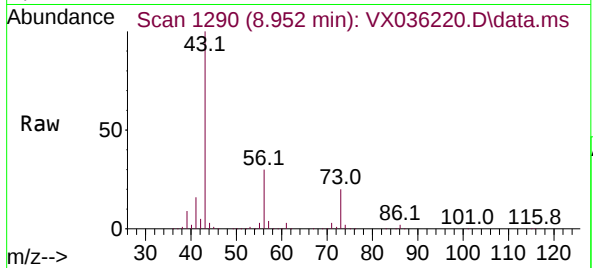




#53
 t-1,3-Dichloropropene
 Concen: 0.416 ug/l
 RT: 8.952 min Scan# 1196
 Delta R.T. -0.024 min
 Lab File: VX036220.D
 Acq: 19 Jun 2023 20:46

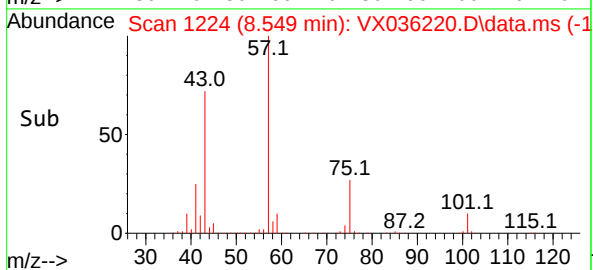
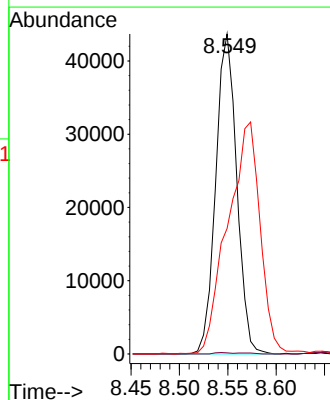
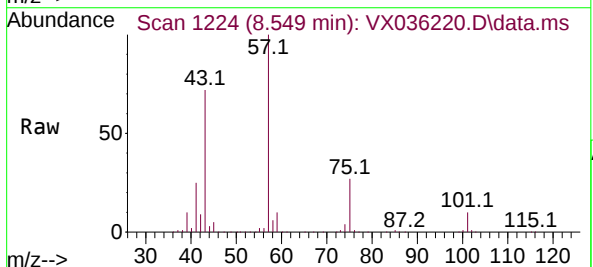
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#08

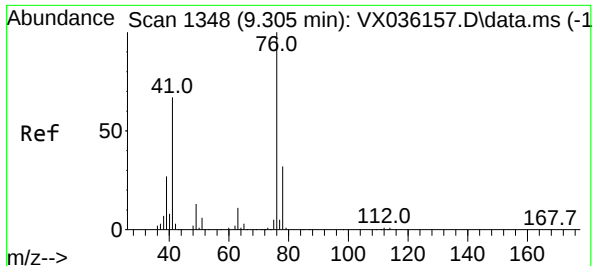
Tgt Ion: 75 Resp: 1196
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 21.333 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036220.D
 Acq: 19 Jun 2023 20:46

Tgt Ion: 75 Resp: 65761
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 39.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.391 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Instrument :

MSVOA_X

ClientSampleId :

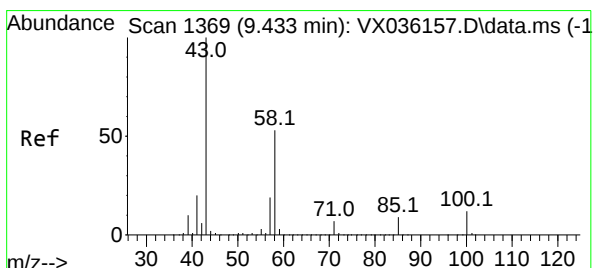
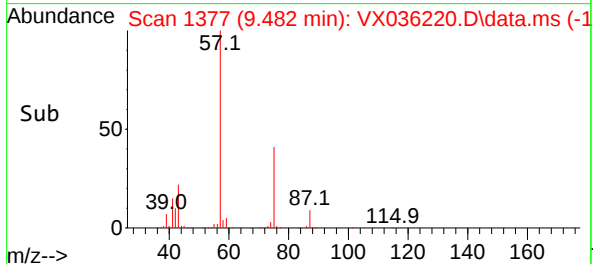
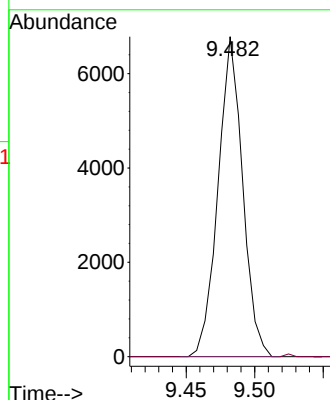
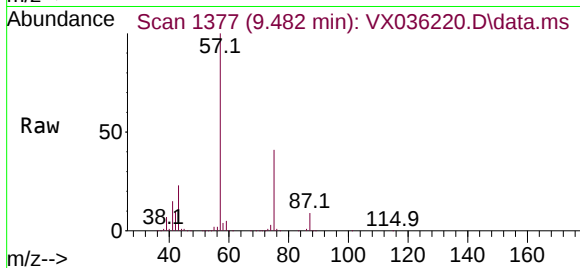
PB153531ZHE#08

Tgt Ion: 76 Resp: 8439

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 58.226 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036220.D

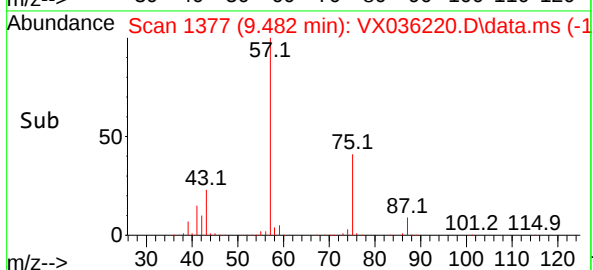
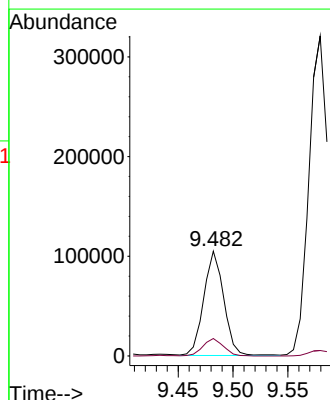
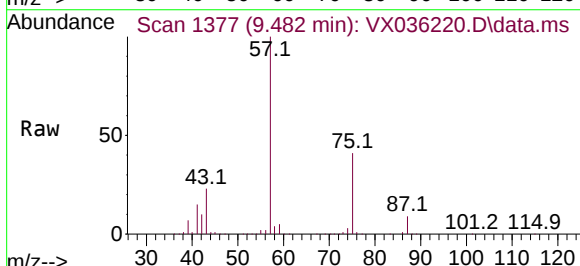
Acq: 19 Jun 2023 20:46

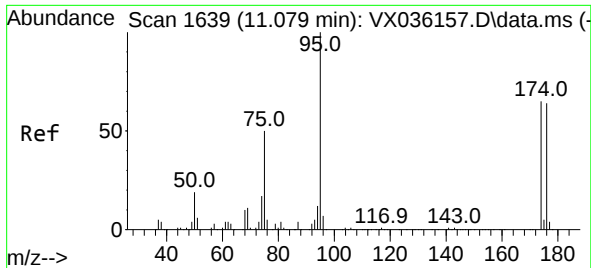
Tgt Ion: 43 Resp: 133018

Ion Ratio Lower Upper

43 100

58 17.1 26.2 78.5#

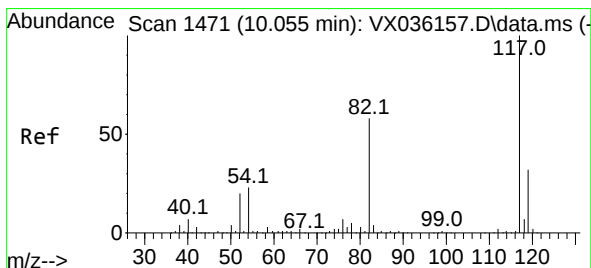
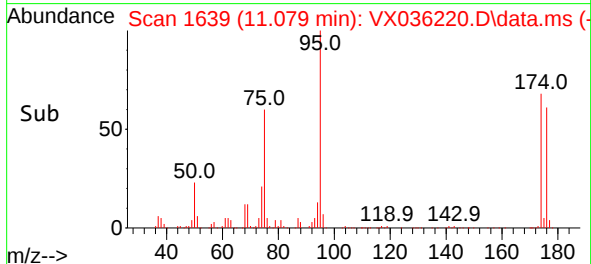
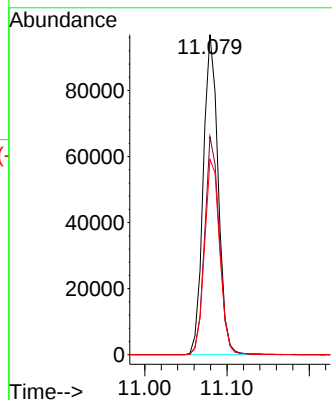
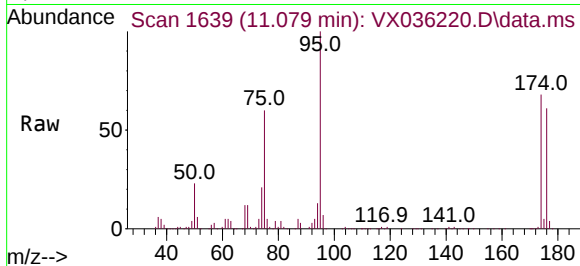




#62
4-Bromofluorobenzene
Concen: 44.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

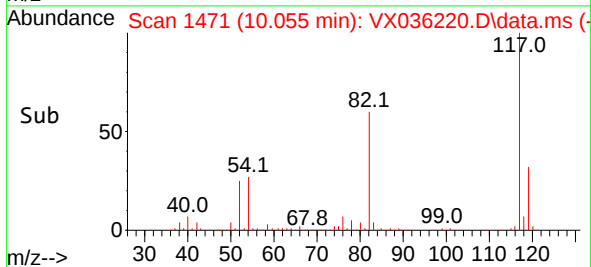
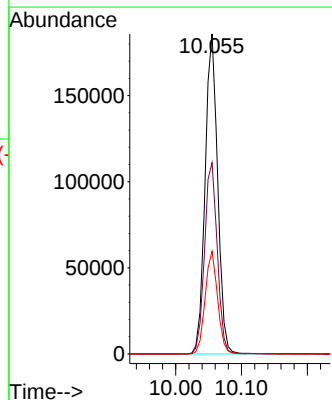
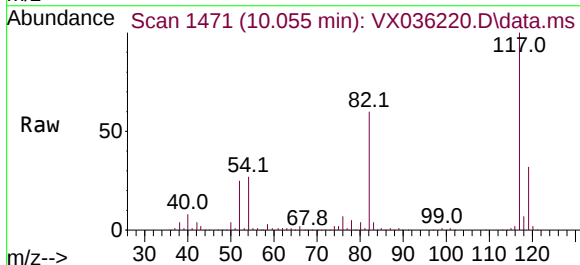
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

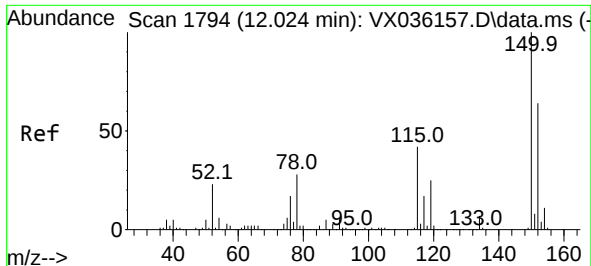
Tgt Ion: 95 Resp: 121777
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.6
176 62.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 117 Resp: 246683
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.1 25.5 38.3

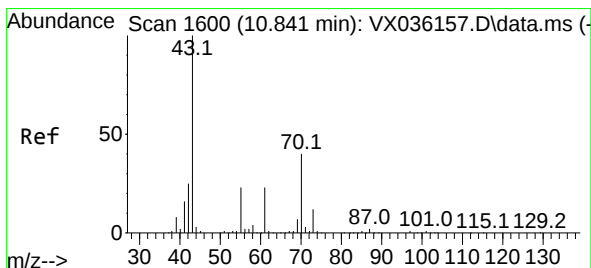
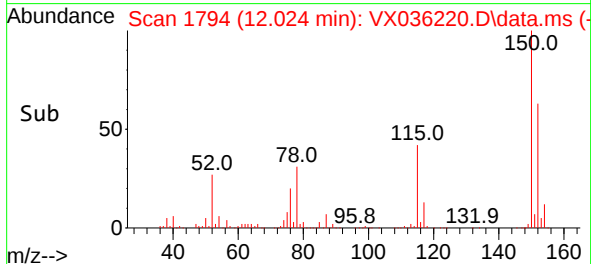
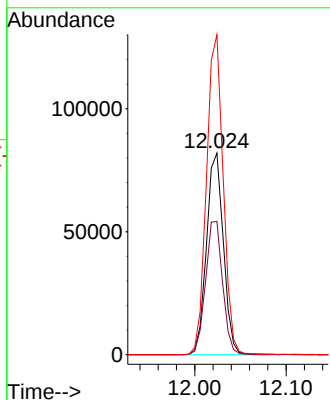
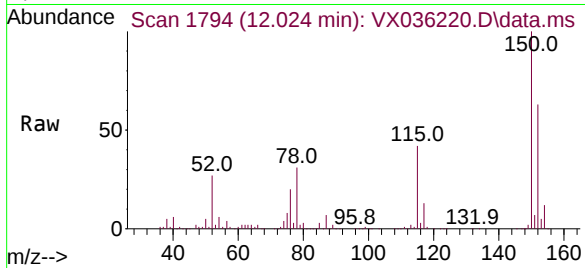




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

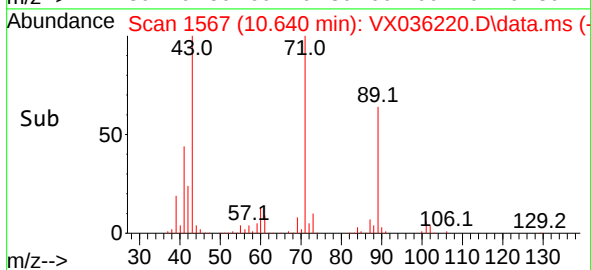
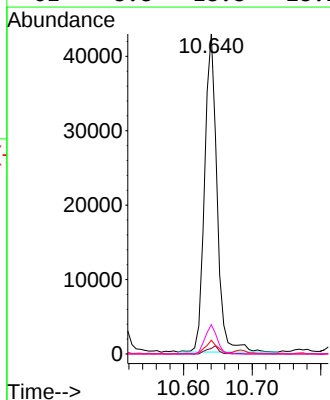
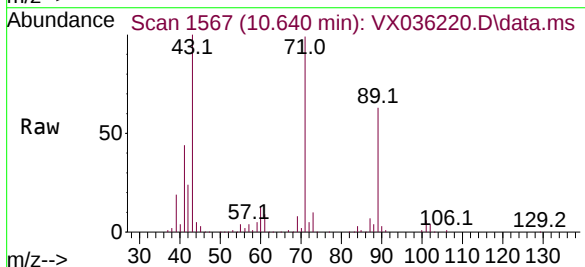
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#08

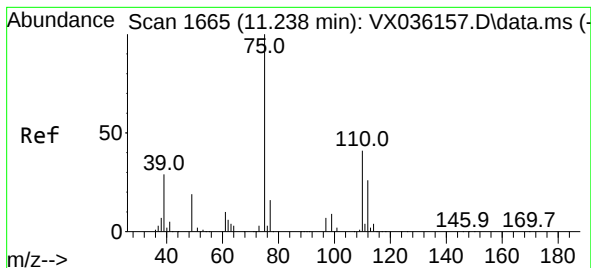
Tgt Ion:152 Resp: 105129
Ion Ratio Lower Upper
152 100
115 66.8 43.3 129.9
150 156.7 0.0 345.0



#74
N-ethyl acetate
Concen: 15.292 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036220.D
Acq: 19 Jun 2023 20:46

Tgt Ion: 43 Resp: 53906
Ion Ratio Lower Upper
43 100
70 2.2 32.9 49.3#
55 4.2 19.3 28.9#
61 8.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.430 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Instrument :

MSVOA_X

ClientSampleId :

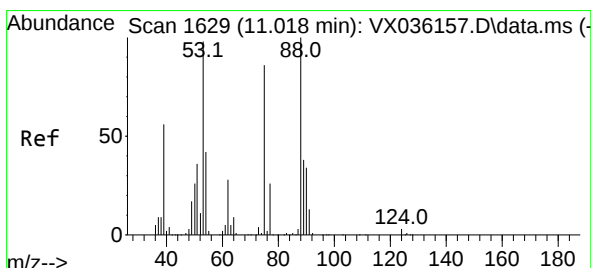
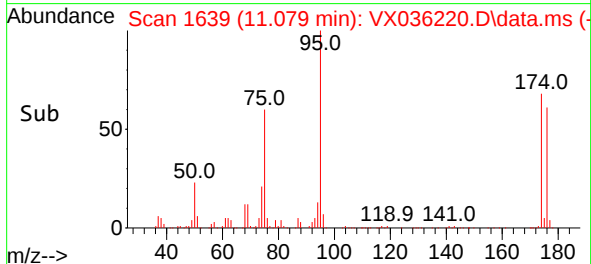
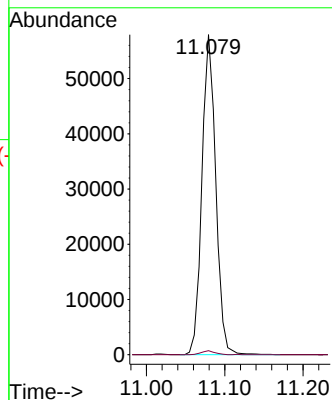
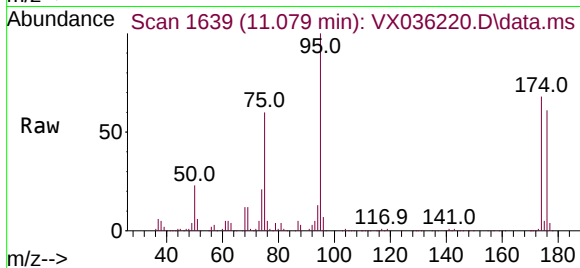
PB153531ZHE#08

Tgt Ion: 75 Resp: 70932

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.510 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036220.D

Acq: 19 Jun 2023 20:46

Tgt Ion: 75 Resp: 70932

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

