

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090823\
 Data File : VX037613.D
 Acq On : 08 Sep 2023 19:52
 Operator : JC/MD
 Sample : PB155394ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB155394ZHE#05

Quant Time: Sep 09 04:59:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 03:56:07 2023
 Response via : Initial Calibration

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

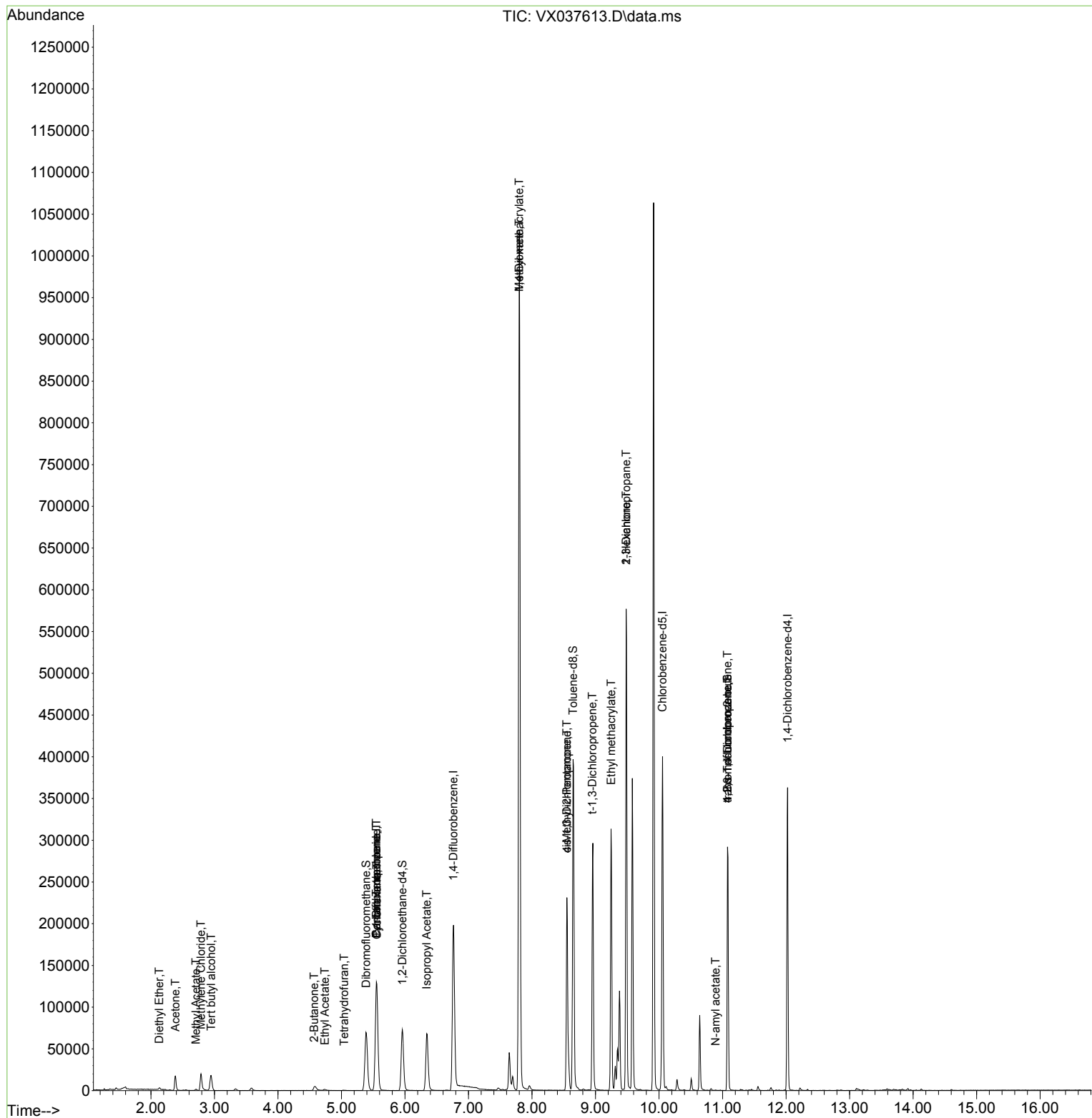
Internal Standards						
1) Pentafluorobenzene	5.550	168	128032	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	211808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70633	40.869	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.740%		
35) Dibromofluoromethane	5.385	113	63707	43.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.000%		
50) Toluene-d8	8.647	98	251965	46.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.740%		
62) 4-Bromofluorobenzene	11.079	95	86150	42.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.140%		
Target Compounds						Qvalue
8) Diethyl Ether	2.130	74	789	0.872	ug/l	75
11) Tert butyl alcohol	2.947	59	10672	27.595	ug/l	# 82
16) Acetone	2.386	43	18565	26.121	ug/l	# 83
18) Methyl Acetate	2.709	43	1911	0.663	ug/l	# 87
20) Methylene Chloride	2.788	84	11699	6.274	ug/l	# 83
25) 2-Butanone	4.568	43	5873	5.449	ug/l	97
29) Tetrahydrofuran	5.044	42	241	0.349	ug/l	# 49
31) Cyclohexane	5.556	56	2206	1.049	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9188	4.695	ug/l	# 51
37) Ethyl Acetate	4.739	43	2170	1.081	ug/l	97
38) Carbon Tetrachloride	5.550	117	12653	6.255	ug/l	# 15
43) Isopropyl Acetate	6.342	43	91407	30.412	ug/l	# 89
48) Methyl methacrylate	7.799	41	79513	55.275	ug/l	# 45
49) 1,4-Dioxane	7.799	88	153	3.390	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	80748	42.243	ug/l	# 48
53) t-1,3-Dichloropropene	8.952	75	828	0.394	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41778	17.881	ug/l	# 48
56) Ethyl methacrylate	9.244	69	860	0.363	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5436	2.006	ug/l	# 42
59) 2-Hexanone	9.482	43	58606	40.198	ug/l	# 57
74) N-amyl acetate	10.890	43	733	0.359	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	40163	21.689	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	40163	64.877	ug/l	# 5

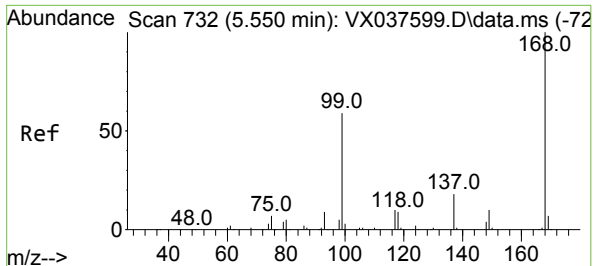
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

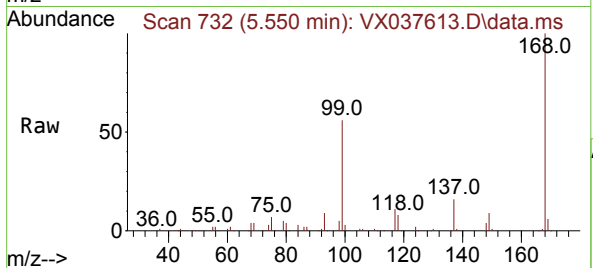
Quant Time: Sep 09 04:59:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 09 03:56:07 2023
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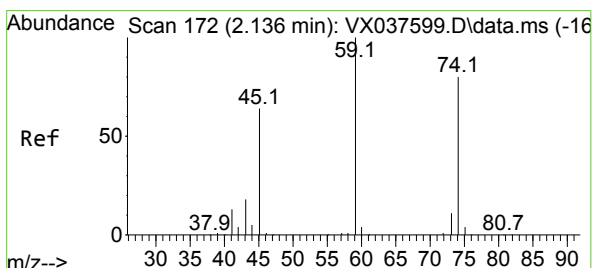
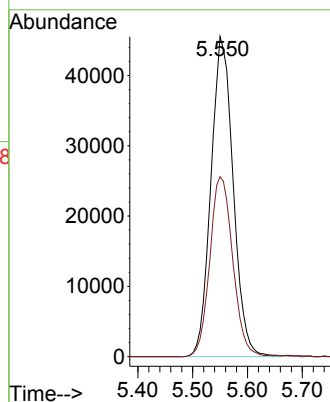
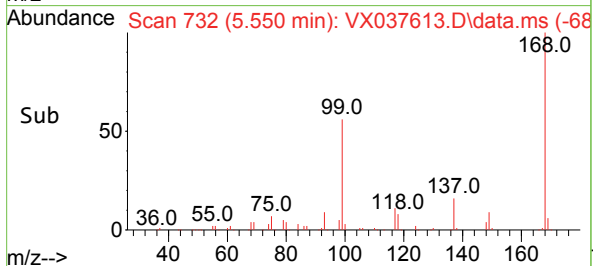


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

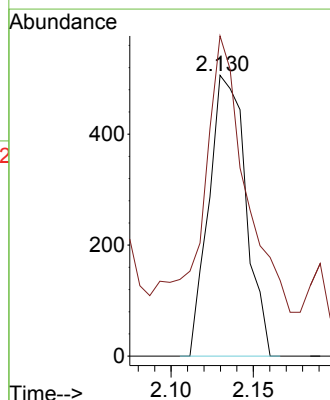
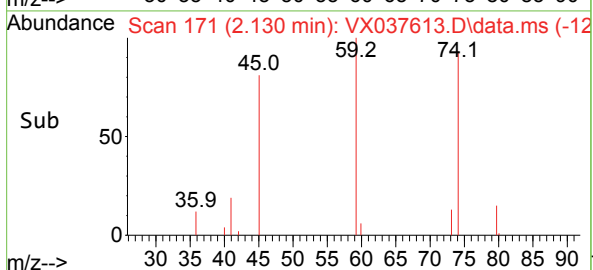
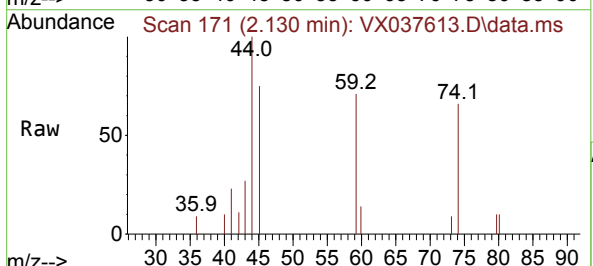


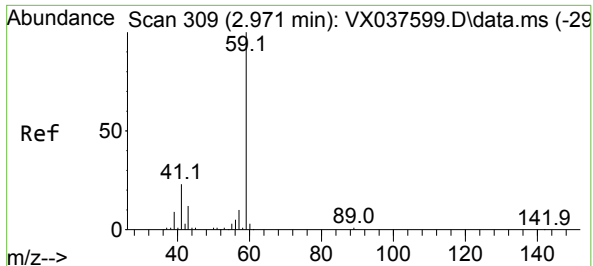
Tgt Ion:168 Resp: 128032
Ion Ratio Lower Upper
168 100
99 56.3 56.6 85.0#



#8
Diethyl Ether
Concen: 0.872 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 74 Resp: 789
Ion Ratio Lower Upper
74 100
45 132.2 53.3 159.8





#11

Tert butyl alcohol

Concen: 27.595 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX037613.D

Acq: 08 Sep 2023 19:52

Instrument :

MSVOA_X

ClientSampleId :

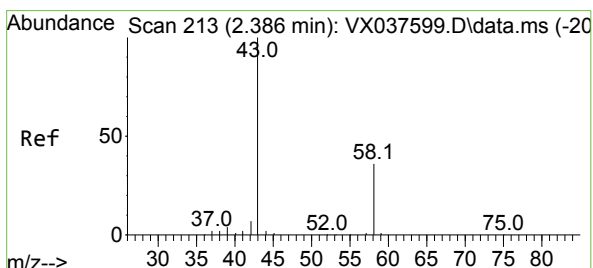
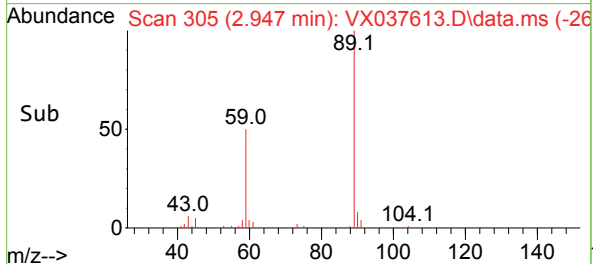
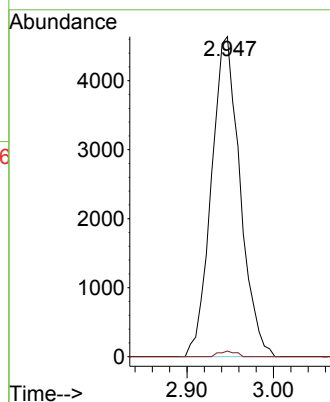
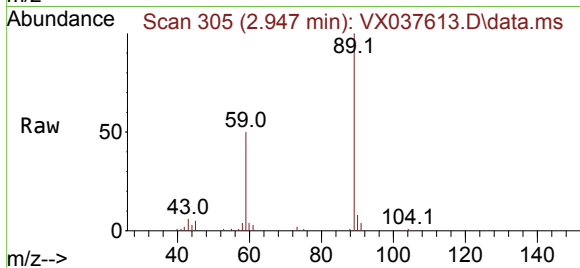
PB155394ZHE#05

Tgt Ion: 59 Resp: 10672

Ion Ratio Lower Upper

59 100

57 1.1 6.0 9.0#



#16

Acetone

Concen: 26.121 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037613.D

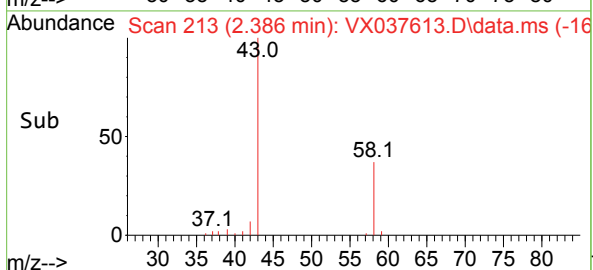
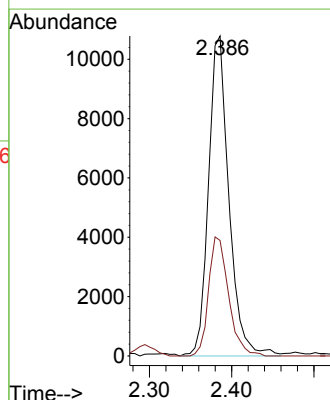
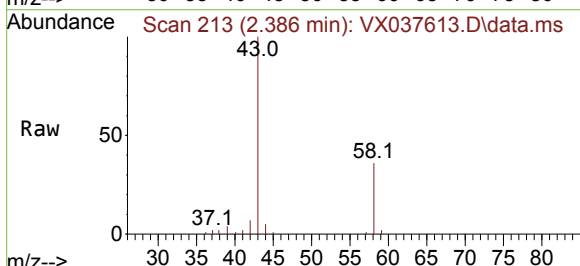
Acq: 08 Sep 2023 19:52

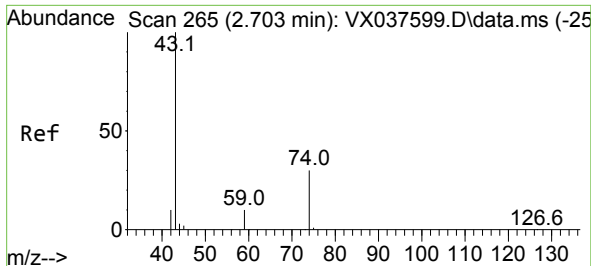
Tgt Ion: 43 Resp: 18565

Ion Ratio Lower Upper

43 100

58 36.1 21.9 32.9#

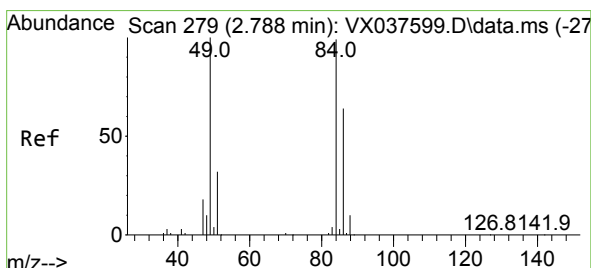
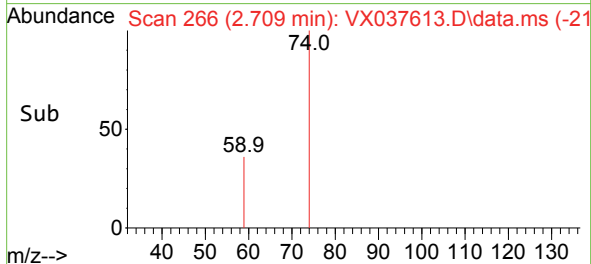
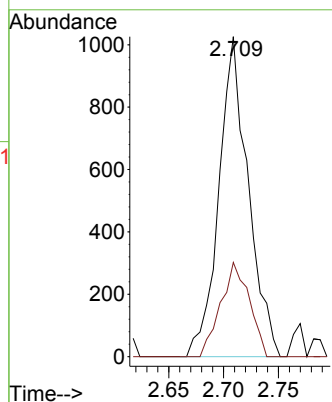
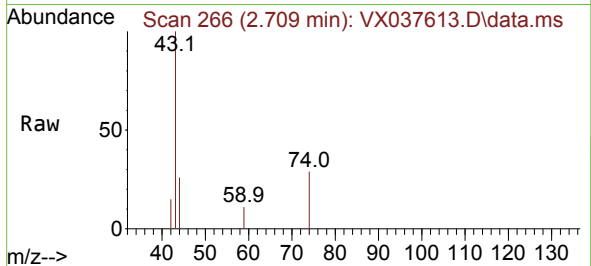




#18
Methyl Acetate
Concen: 0.663 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

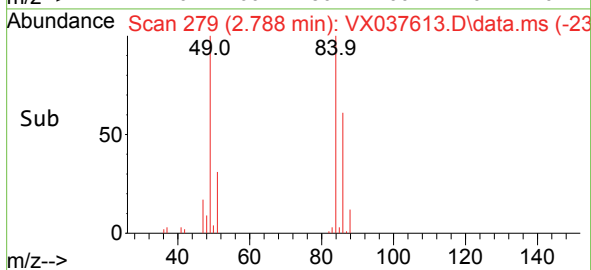
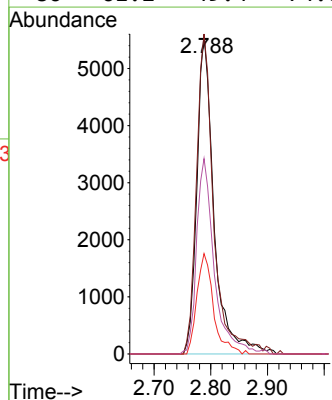
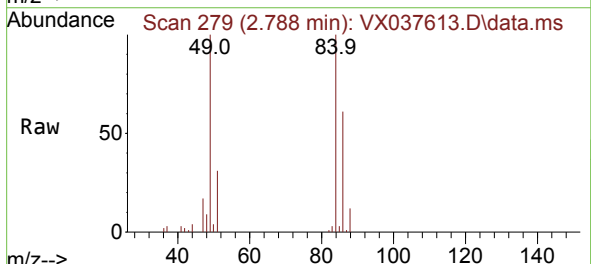
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

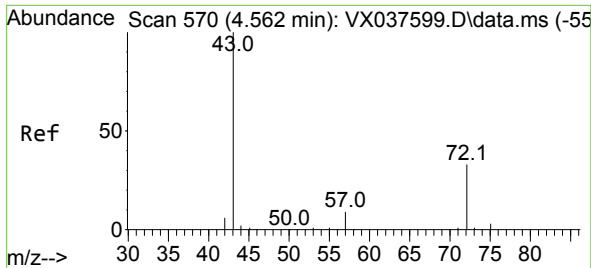
Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
74 28.7 17.8 26.8#



#20
Methylene Chloride
Concen: 6.274 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 84 Resp: 11699
Ion Ratio Lower Upper
84 100
49 100.3 103.6 155.4#
51 31.4 33.8 50.6#
86 61.2 49.4 74.0

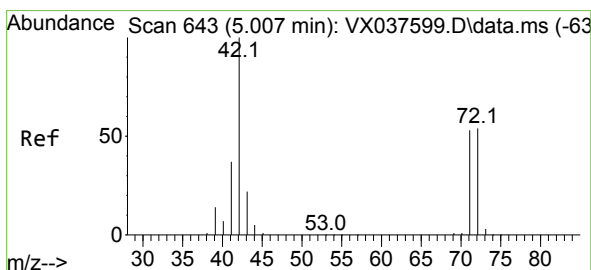
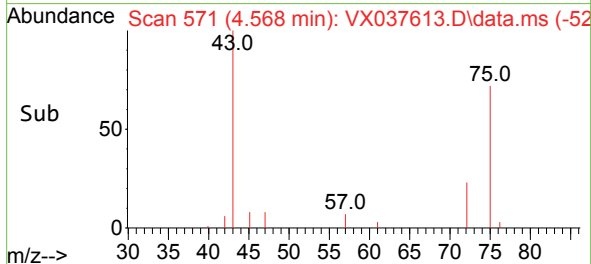
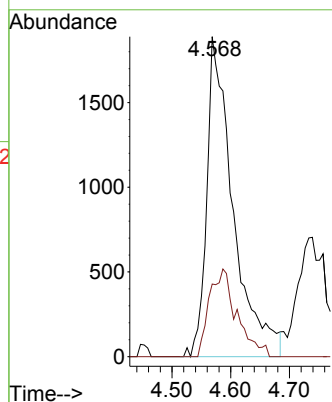
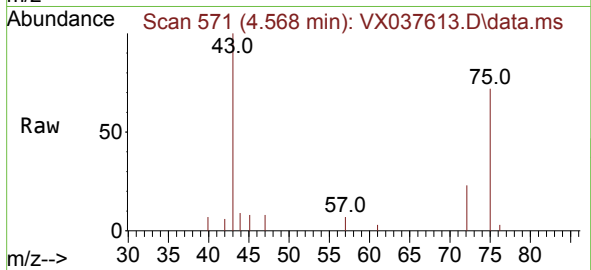




#25
2-Butanone
Concen: 5.449 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

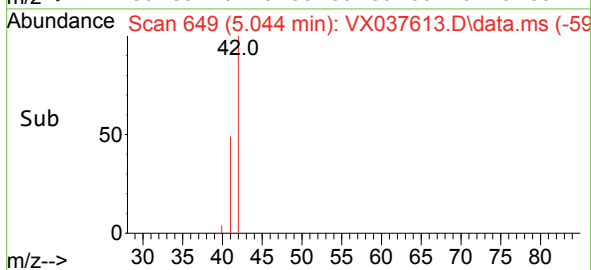
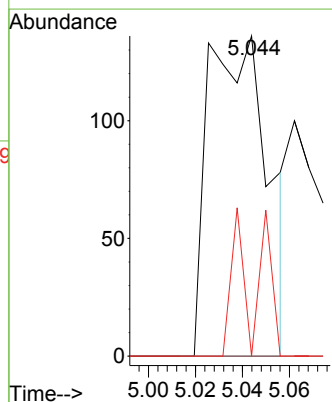
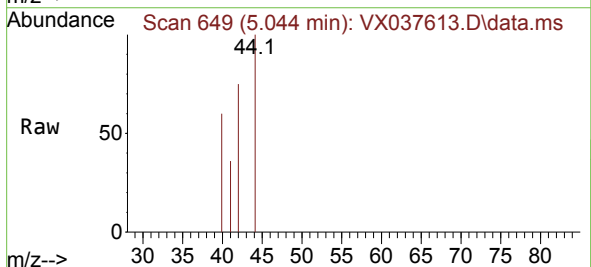
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

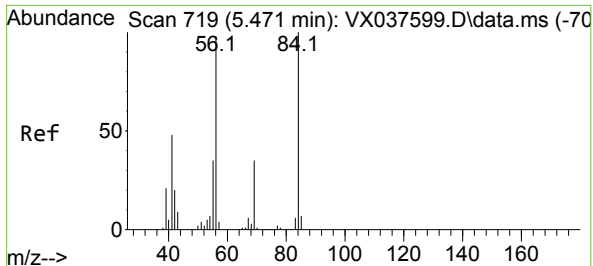
Tgt Ion: 43 Resp: 5873
Ion Ratio Lower Upper
43 100
72 22.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.349 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

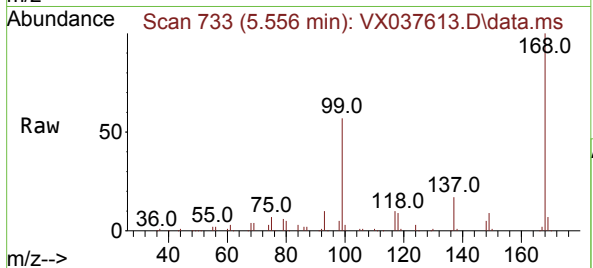
Tgt Ion: 42 Resp: 241
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 19.1 32.2 48.2#



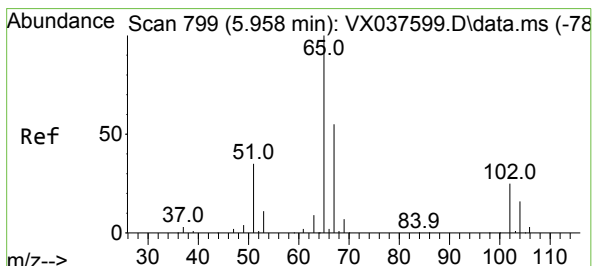
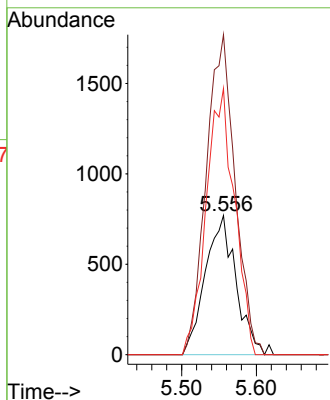
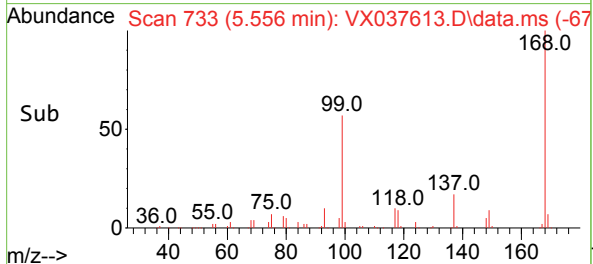


#31
Cyclohexane
Concen: 1.049 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

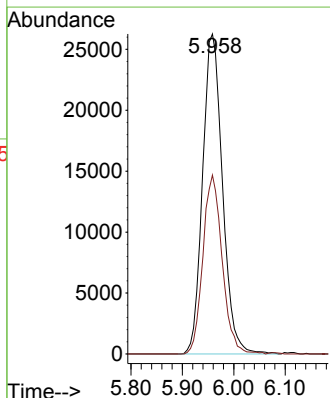
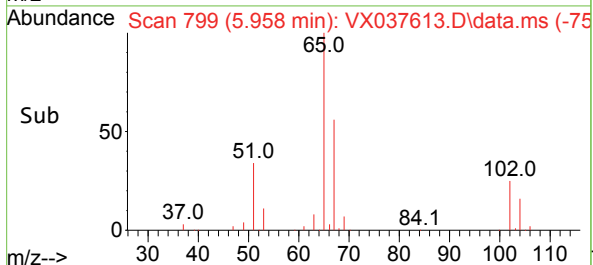
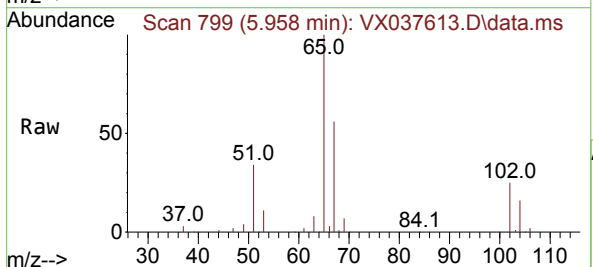


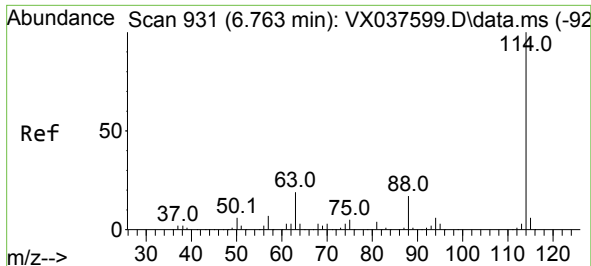
Tgt Ion: 56 Resp: 2206
Ion Ratio Lower Upper
56 100
69 229.9 23.4 35.2#
84 191.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 40.869 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 65 Resp: 70633
Ion Ratio Lower Upper
65 100
67 54.1 0.0 100.2

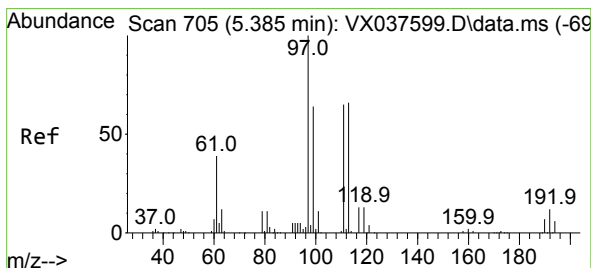
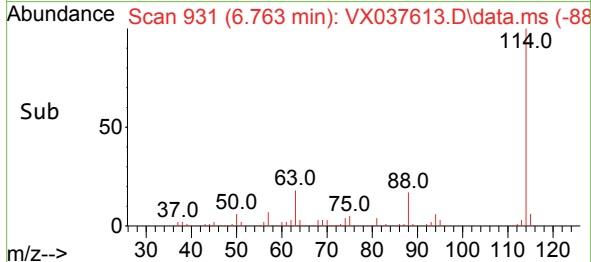
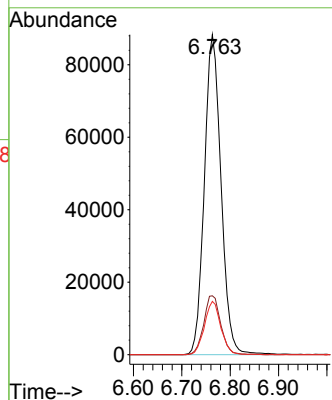
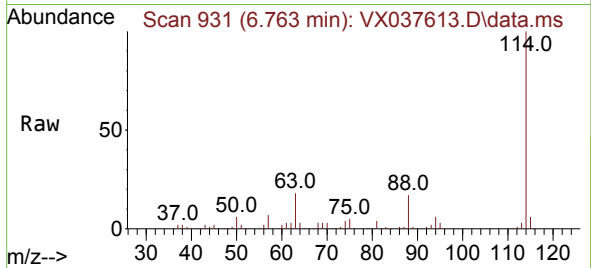




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

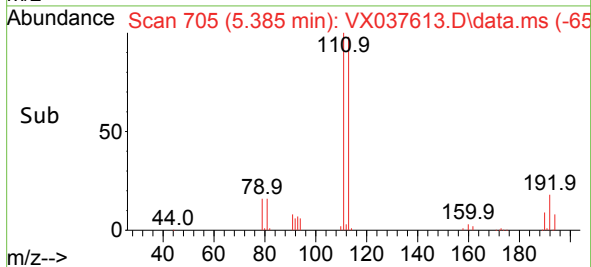
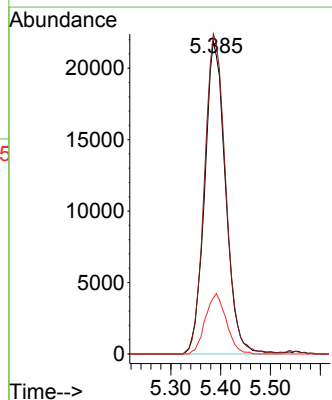
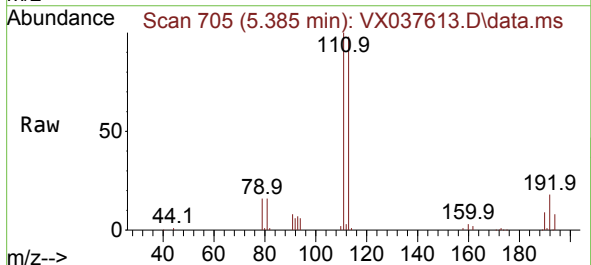
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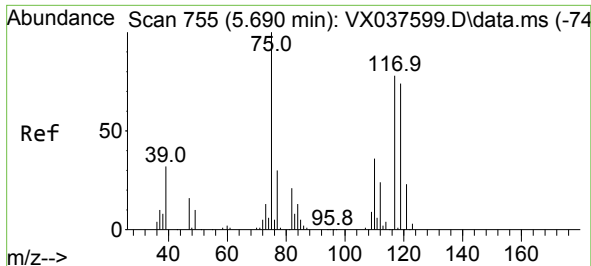
Tgt Ion:114 Resp: 211808
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.003 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion:113 Resp: 63707
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 19.3 13.3 19.9

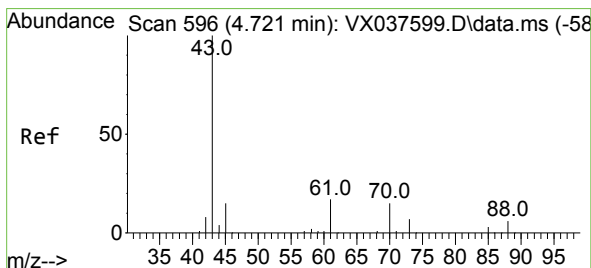
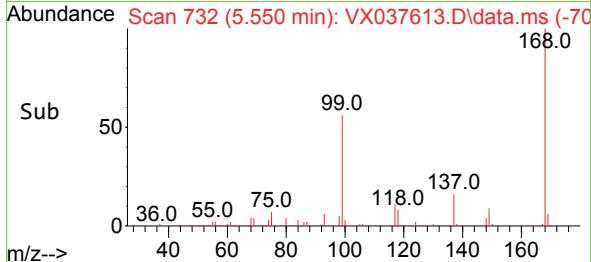
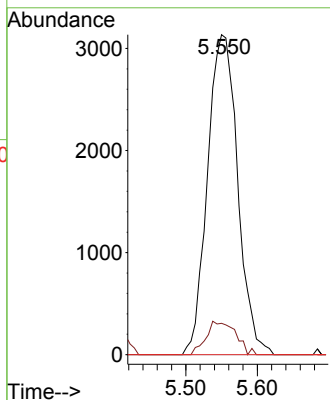
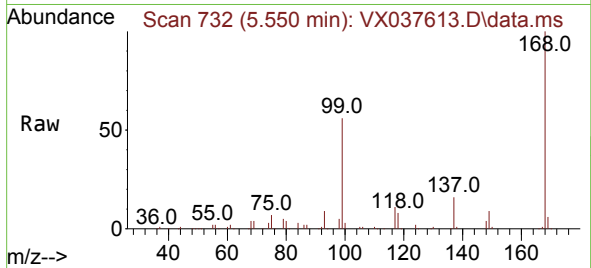




#36
1,1-Dichloropropene
Concen: 4.695 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

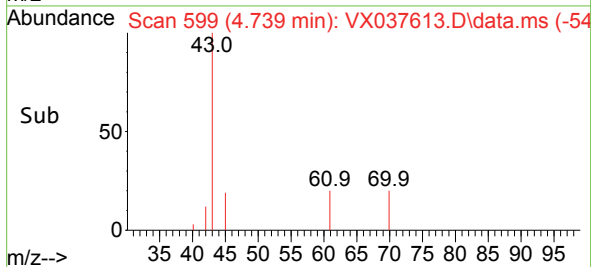
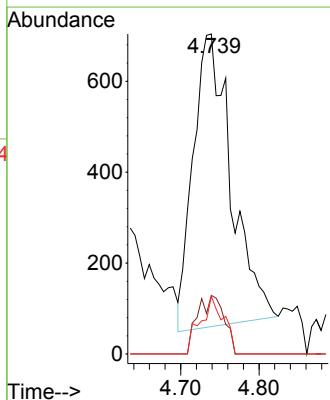
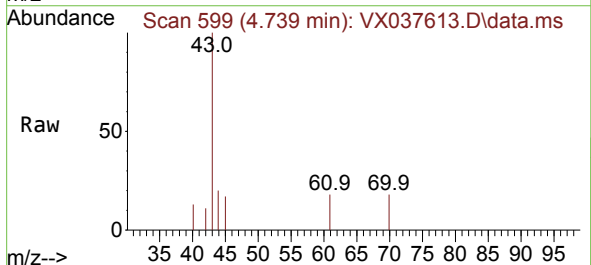
Instrument :
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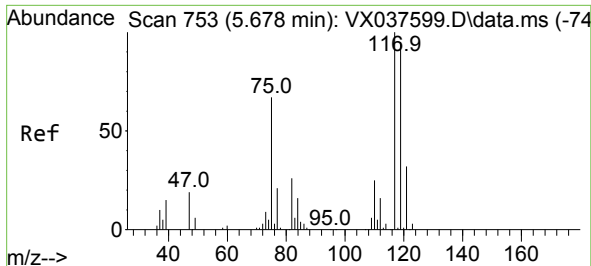
Tgt Ion: 75 Resp: 9188
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.081 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

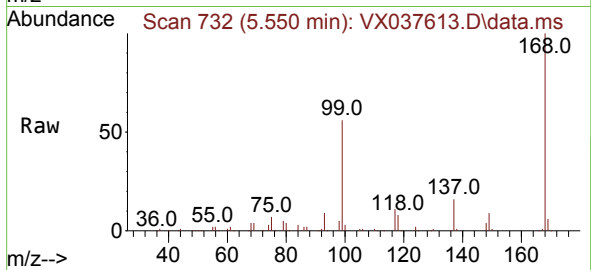
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
61 14.1 10.6 16.0
70 12.1 8.3 12.5



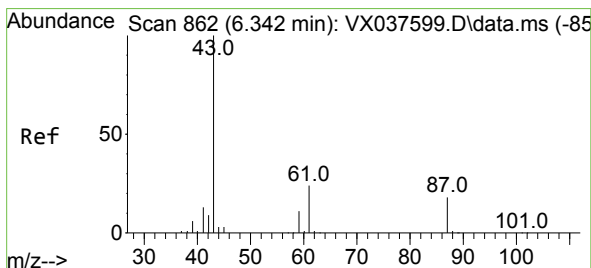
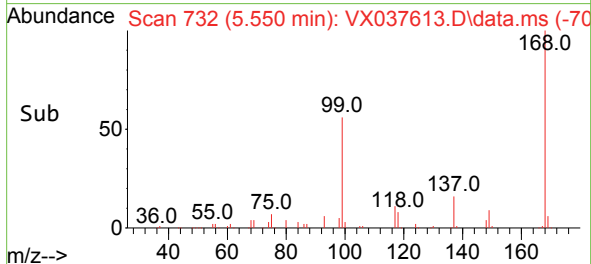
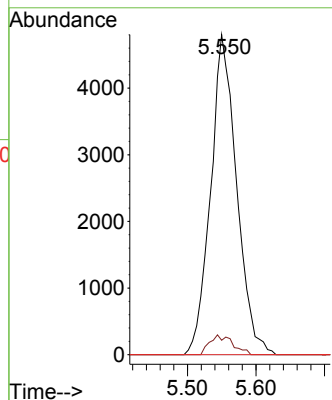


#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

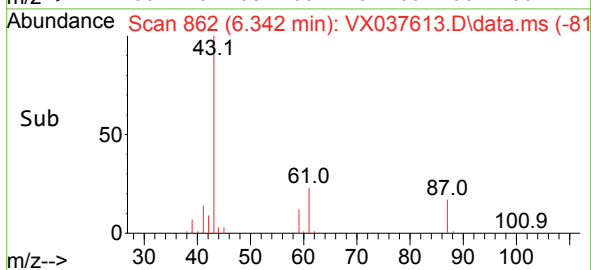
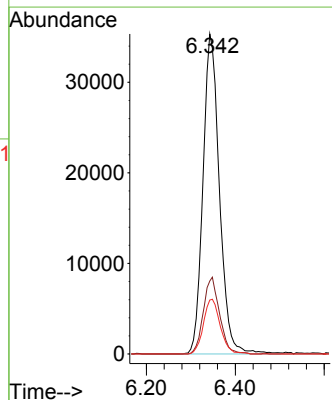
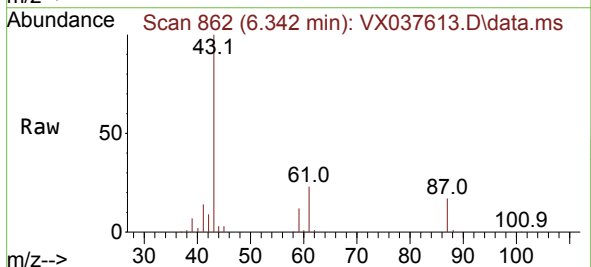


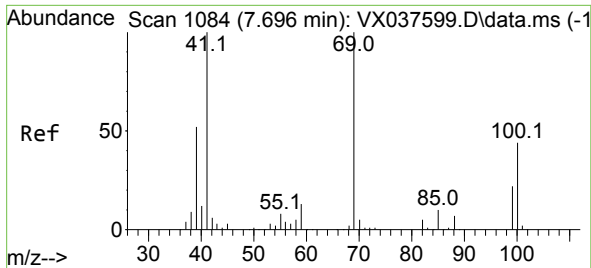
Tgt Ion:117 Resp: 12653
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 30.412 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 43 Resp: 91407
Ion Ratio Lower Upper
43 100
61 23.5 15.2 22.8#
87 17.4 9.8 14.6#

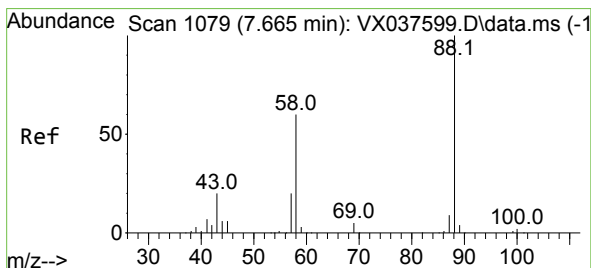
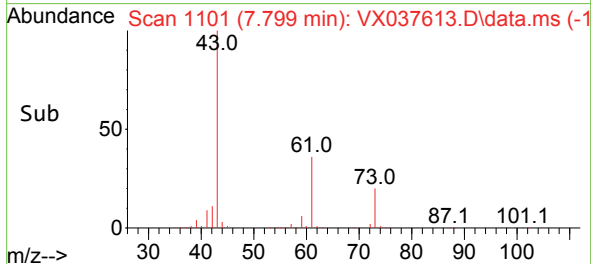
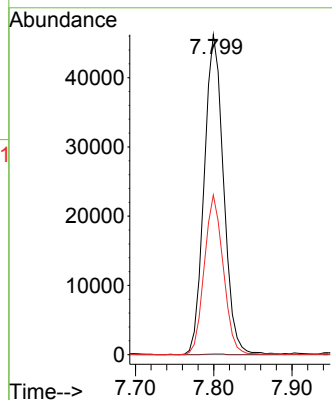
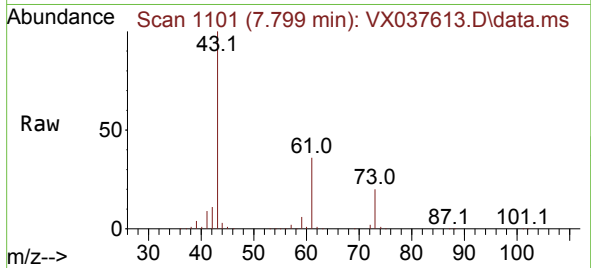




#48
Methyl methacrylate
Concen: 55.275 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

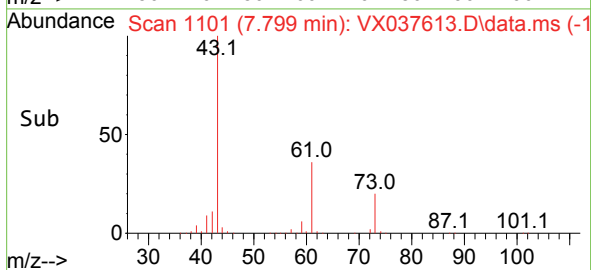
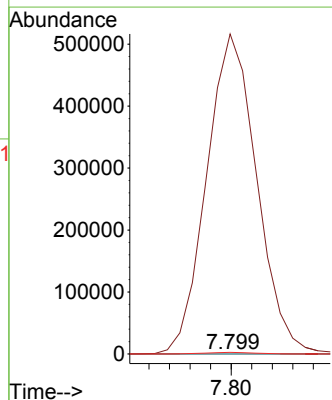
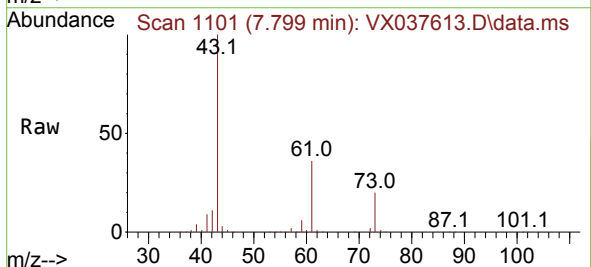
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

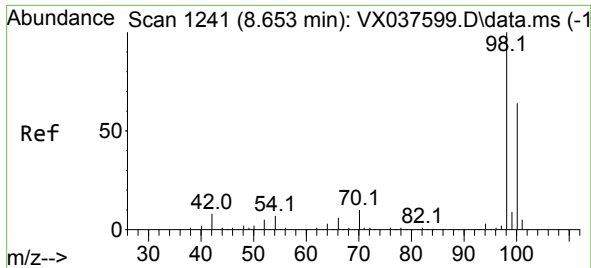
Tgt Ion: 41 Resp: 79513
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 48.7 47.7 71.5



#49
1,4-Dioxane
Concen: 3.390 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 88 Resp: 153
Ion Ratio Lower Upper
88 100
43 576639.2 0.0 0.0#
58 2795.4 60.1 90.1#

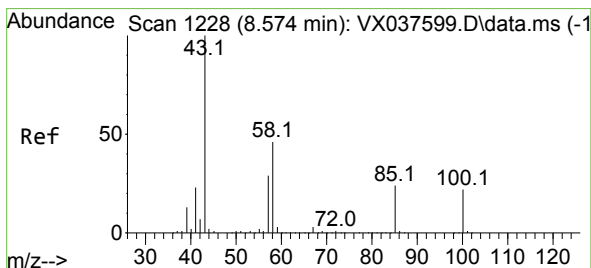
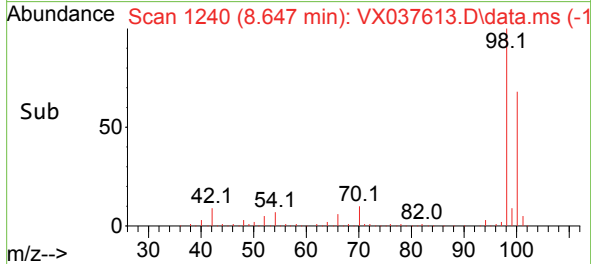
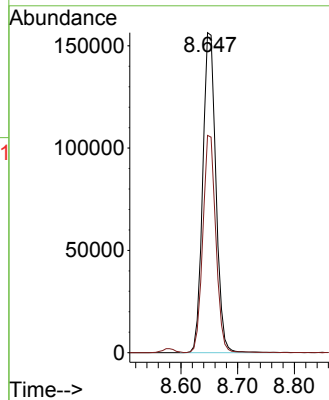
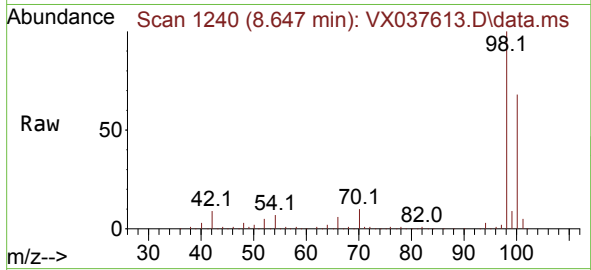




#50
Toluene-d8
Concen: 46.372 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

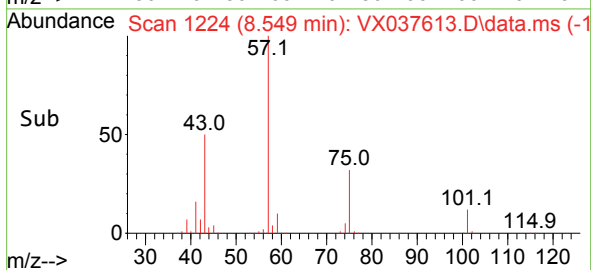
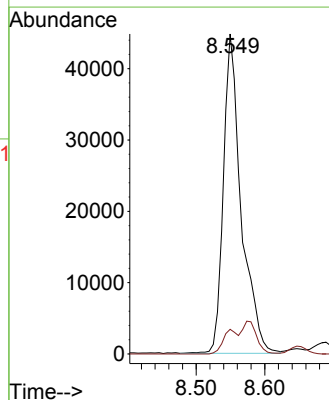
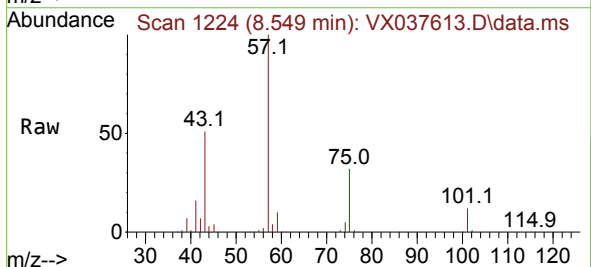
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

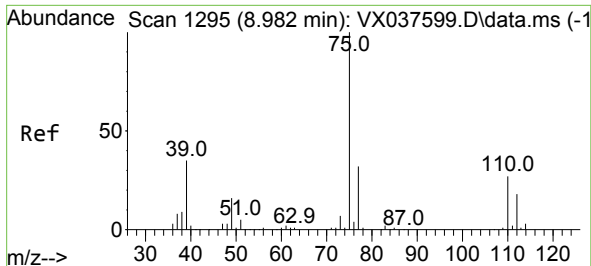
Tgt Ion: 98 Resp: 251965
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 42.243 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 43 Resp: 80748
Ion Ratio Lower Upper
43 100
58 6.4 30.4 45.6#

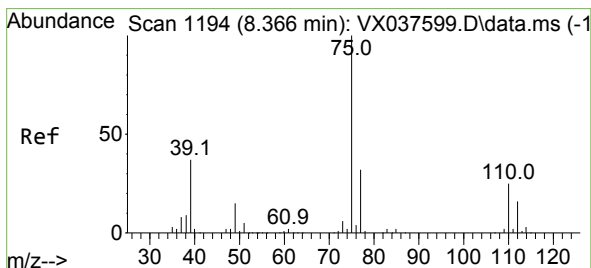
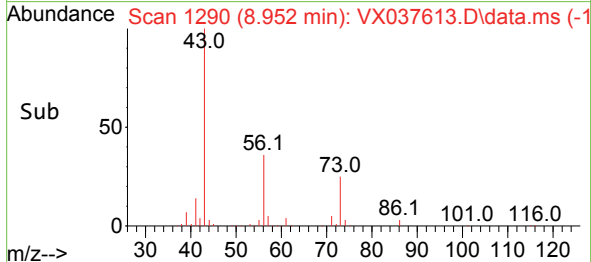
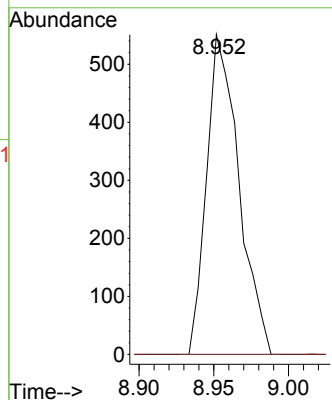
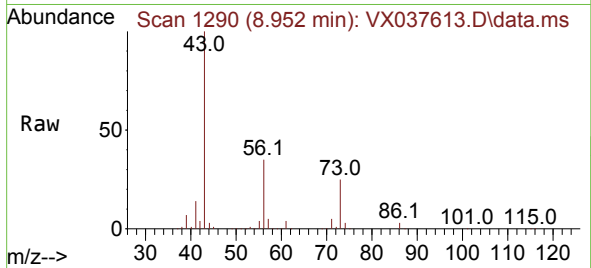




#53
 t-1,3-Dichloropropene
 Concen: 0.394 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX037613.D
 Acq: 08 Sep 2023 19:52

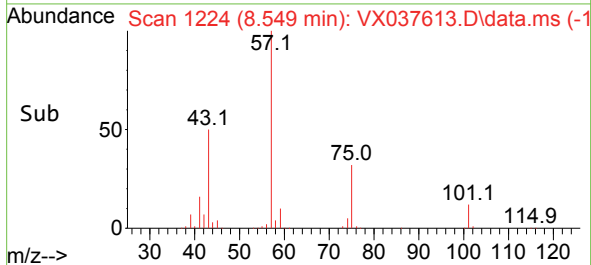
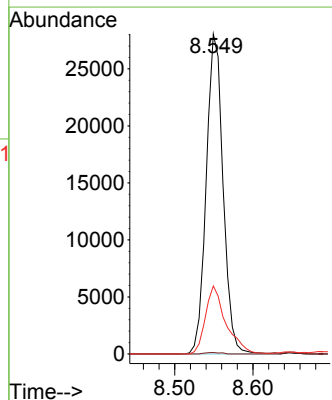
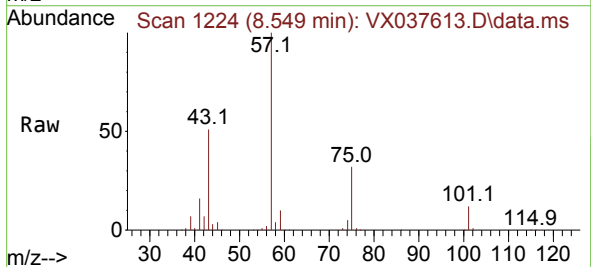
Instrument :
 MSVOA_X
 ClientSampleId :
 PB155394ZHE#05

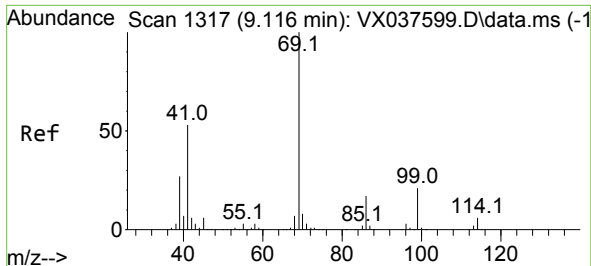
Tgt Ion: 75 Resp: 828
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 17.881 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX037613.D
 Acq: 08 Sep 2023 19:52

Tgt Ion: 75 Resp: 41778
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 21.3 46.7 70.1#

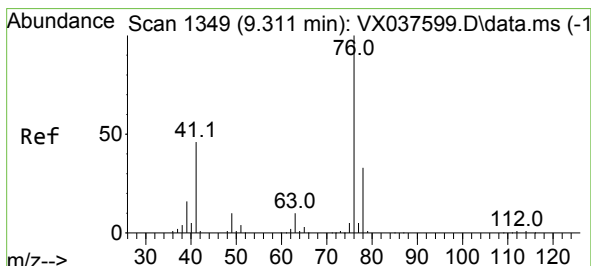
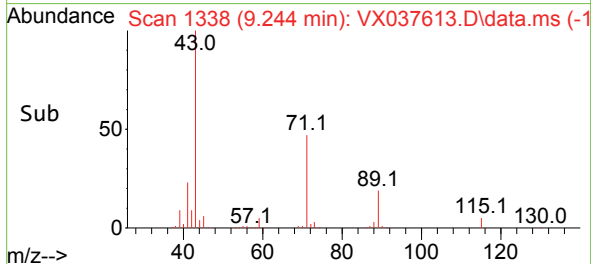
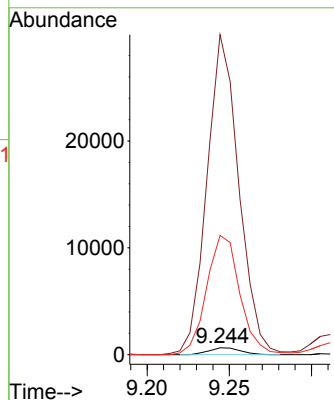
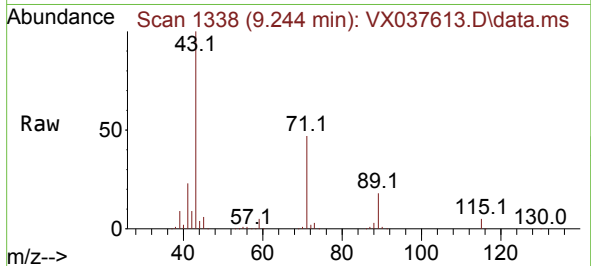




#56
Ethyl methacrylate
Concen: 0.363 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

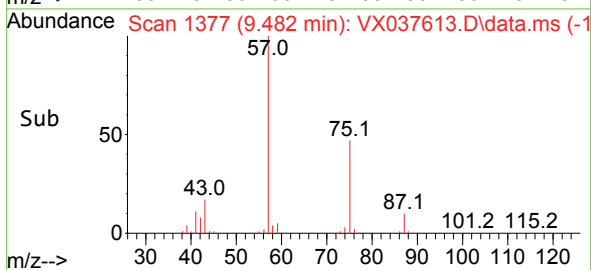
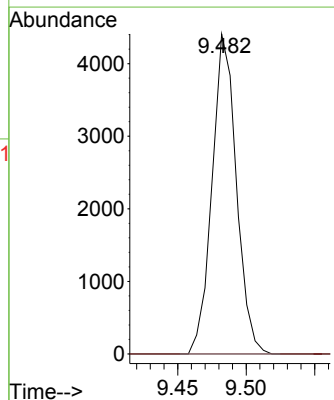
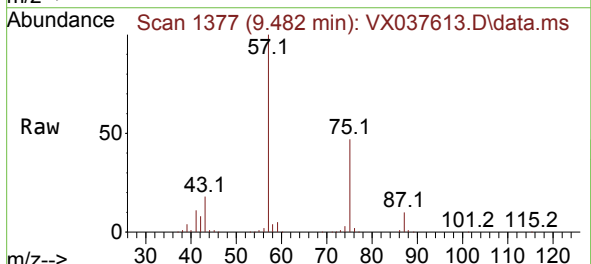
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

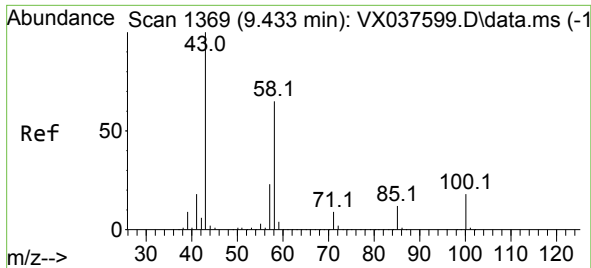
Tgt Ion: 69 Resp: 860
Ion Ratio Lower Upper
69 100
41 4715.8 56.8 85.2#
39 1832.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.006 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 76 Resp: 5436
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

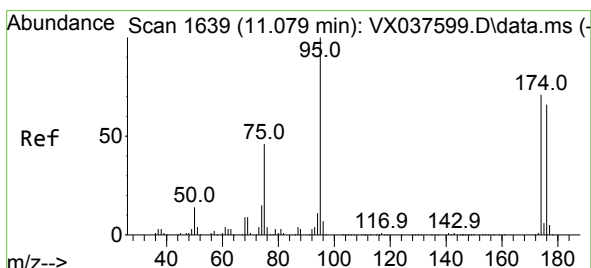
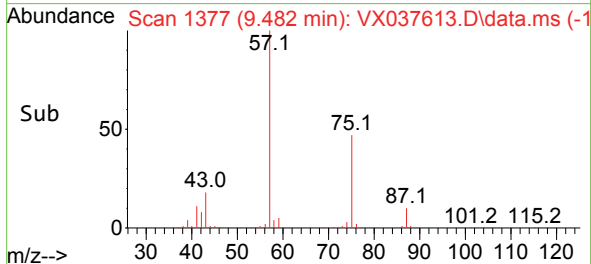
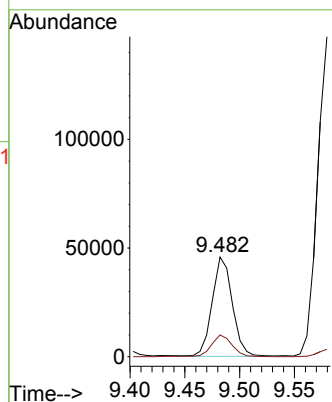
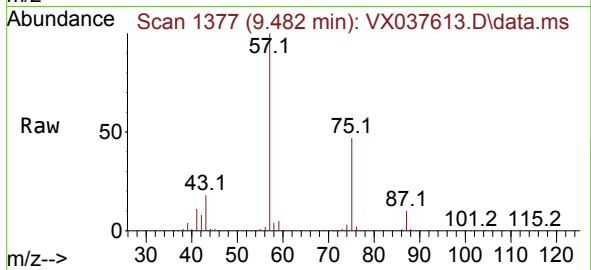




#59
2-Hexanone
Concen: 40.198 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

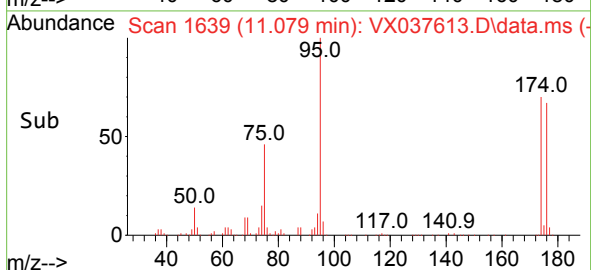
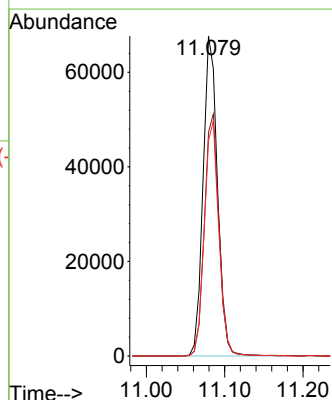
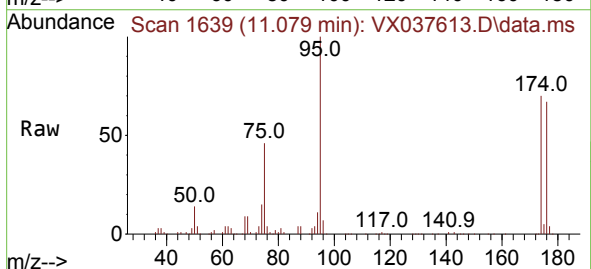
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#05

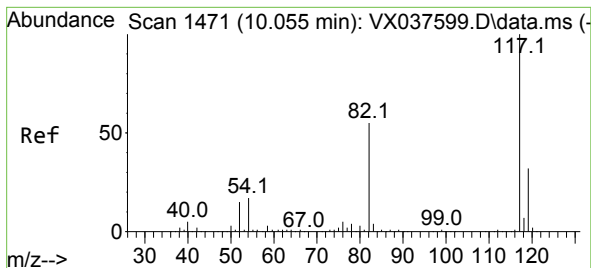
Tgt Ion: 43 Resp: 58606
Ion Ratio Lower Upper
43 100
58 22.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 42.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037613.D
Acq: 08 Sep 2023 19:52

Tgt Ion: 95 Resp: 86150
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 73.6 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: VX037613.D

Acq: 08 Sep 2023 19:52

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#05

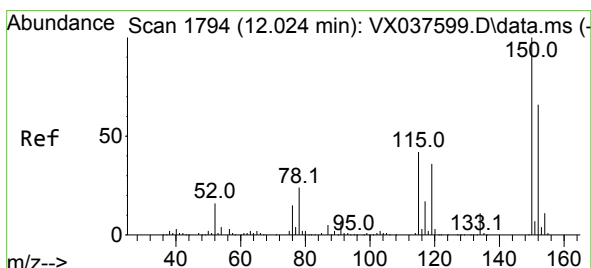
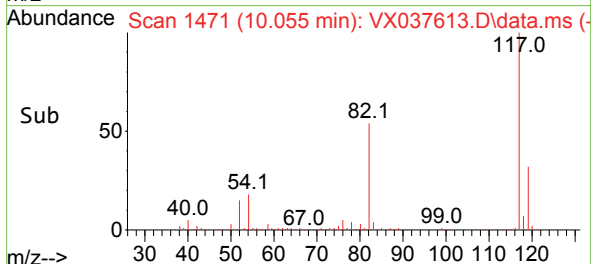
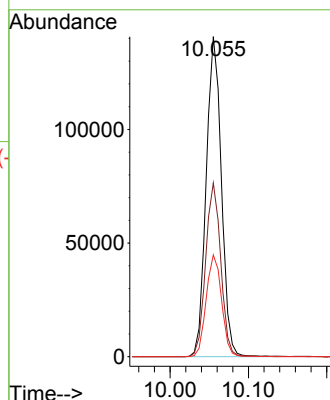
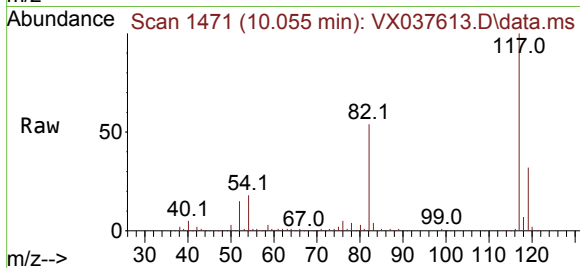
Tgt Ion:117 Resp: 189156

Ion Ratio Lower Upper

117 100

82 54.3 46.2 69.4

119 31.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037613.D

Acq: 08 Sep 2023 19:52

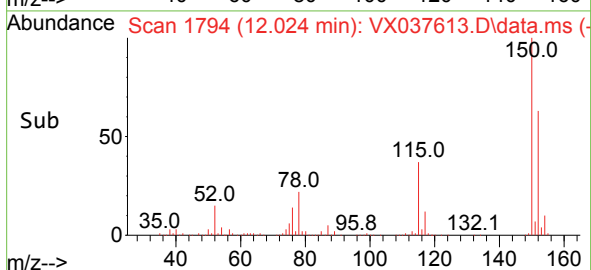
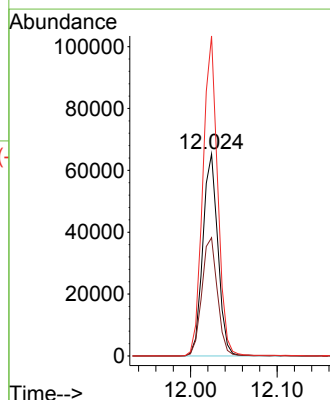
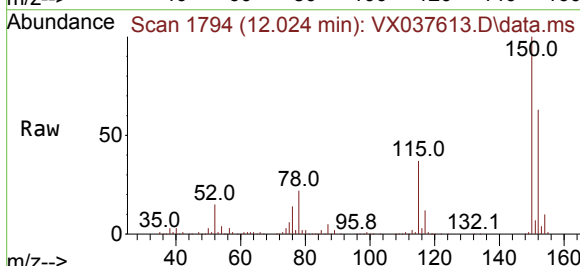
Tgt Ion:152 Resp: 78935

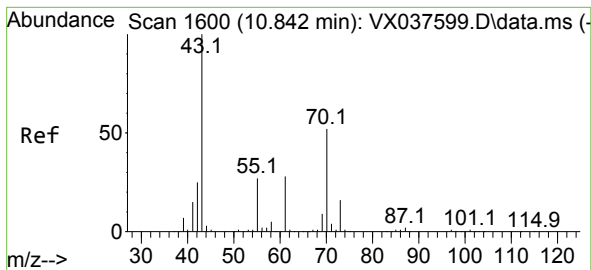
Ion Ratio Lower Upper

152 100

115 60.6 43.3 129.9

150 156.0 0.0 345.0





#74

N-amy1 acetate

Concen: 0.359 ug/l

RT: 10.890 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX037613.D

Acq: 08 Sep 2023 19:52

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#05

Tgt Ion: 43 Resp: 733

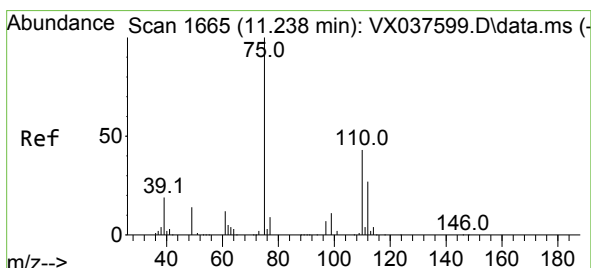
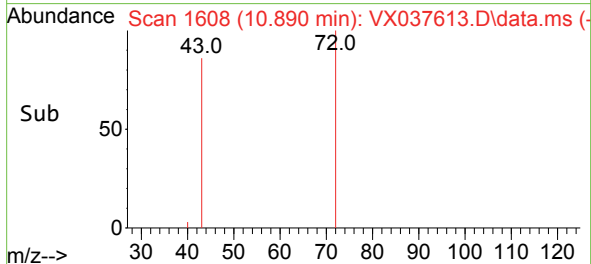
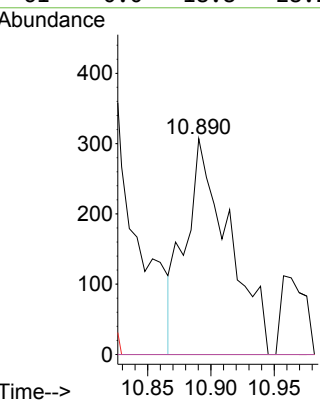
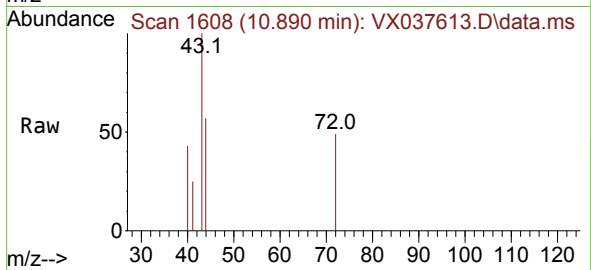
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.689 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037613.D

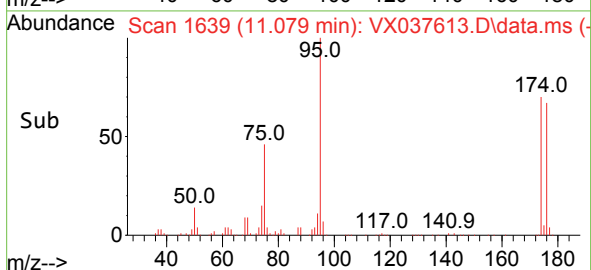
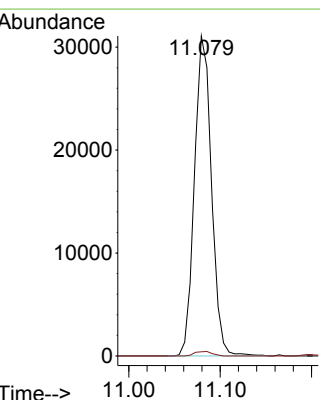
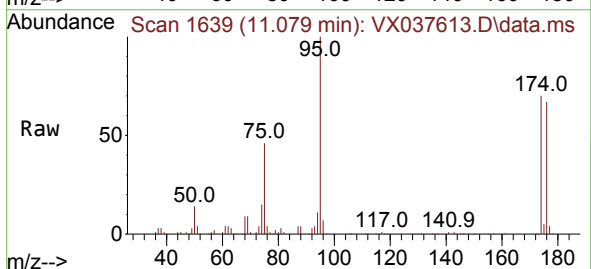
Acq: 08 Sep 2023 19:52

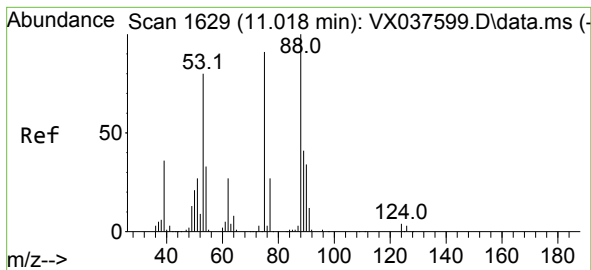
Tgt Ion: 75 Resp: 40163

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.877 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037613.D
 Acq: 08 Sep 2023 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB155394ZHE#05

Tgt Ion: 75 Resp: 40163
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

