

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036412.D
 Acq On : 05 Jul 2023 18:29
 Operator : JC/MD
 Sample : PB153983ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#13

Quant Time: Jul 06 04:55:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

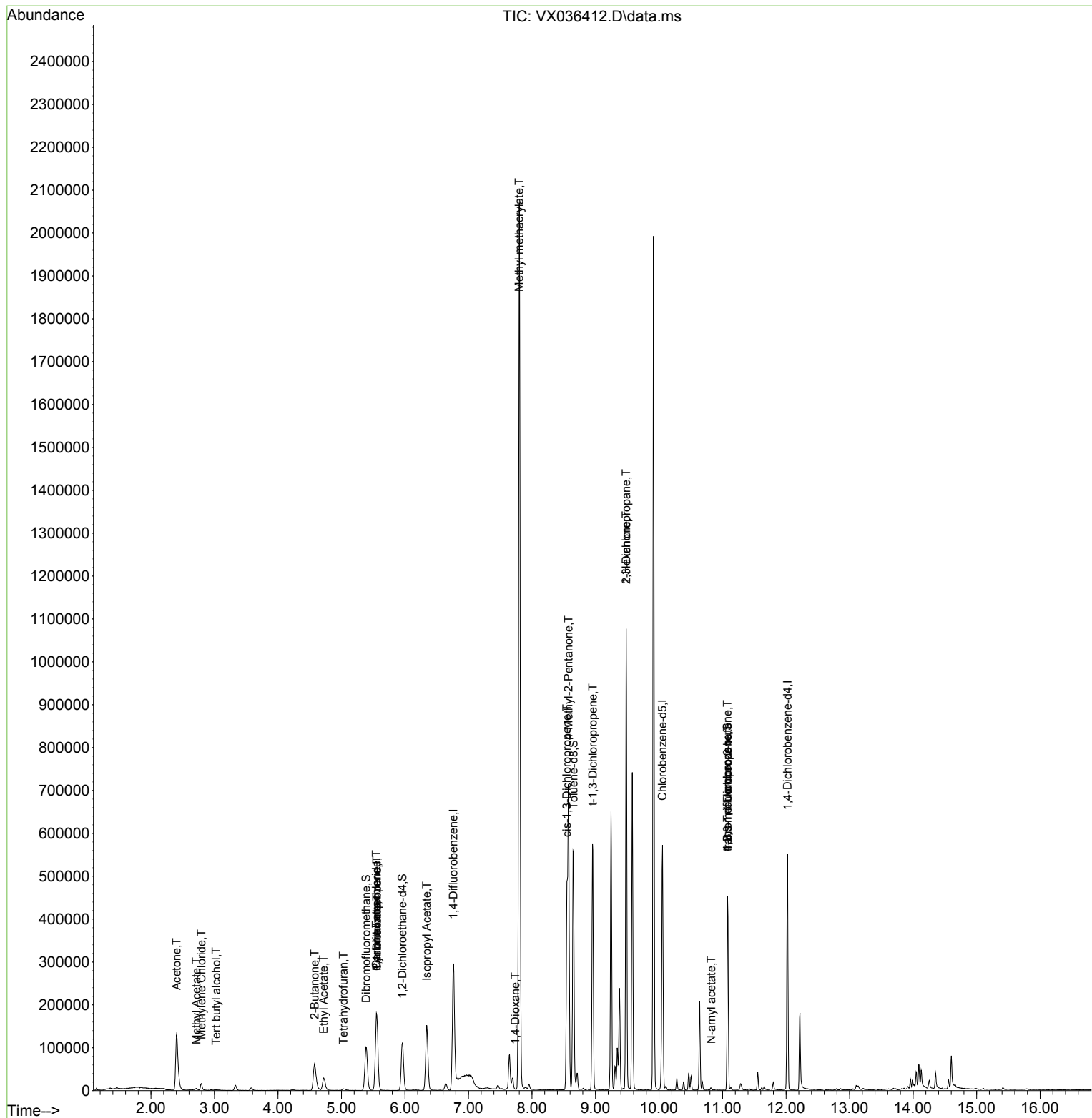
Internal Standards						
1) Pentafluorobenzene	5.556	168	172955	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	283839	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107515	43.367	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.740%		
35) Dibromofluoromethane	5.385	113	88708	47.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.653	98	339628	48.586	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.180%		
62) 4-Bromofluorobenzene	11.079	95	118543	48.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.300%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.026	59	772	1.711	ug/l	# 27
16) Acetone	2.404	43	224828	212.167	ug/l	95
18) Methyl Acetate	2.715	43	5109	1.172	ug/l	93
20) Methylene Chloride	2.794	84	7903	3.464	ug/l	88
25) 2-Butanone	4.574	43	121829	80.017	ug/l	95
29) Tetrahydrofuran	5.032	42	4325	4.462	ug/l	94
31) Cyclohexane	5.556	56	3848	1.211	ug/l	# 47
36) 1,1-Dichloropropene	5.556	75	13016	4.666	ug/l	# 50
37) Ethyl Acetate	4.721	43	54478	19.160	ug/l	# 94
38) Carbon Tetrachloride	5.550	117	17550	6.888	ug/l	# 16
43) Isopropyl Acetate	6.342	43	206164	45.451	ug/l	97
48) Methyl methacrylate	7.799	41	174015	76.941	ug/l	# 48
49) 1,4-Dioxane	7.738	88	22	0.439	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.574	43	547244	187.260	ug/l	# 86
53) t-1,3-Dichloropropene	8.958	75	1365	0.500	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	70673	22.907	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	8869	2.521	ug/l	# 42
59) 2-Hexanone	9.482	43	121616	56.988	ug/l	# 54
74) N-amyl acetate	10.823	43	2094	0.613	ug/l	# 57
76) 1,2,3-Trichloropropane	11.079	75	62219	25.462	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	62219	83.000	ug/l	# 5

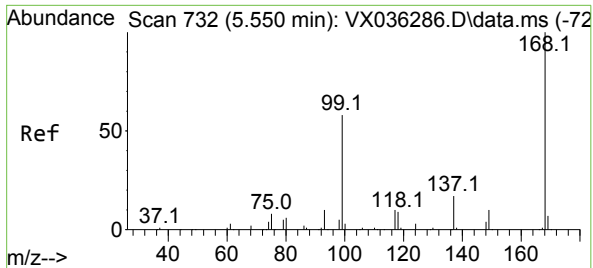
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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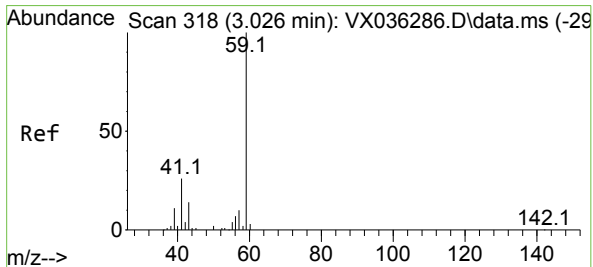
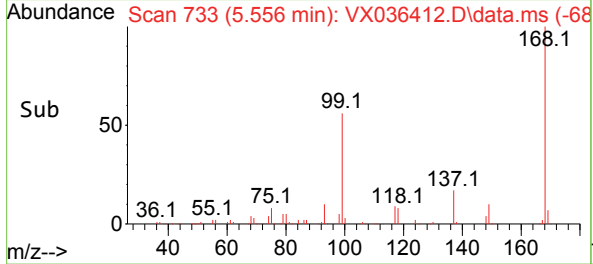
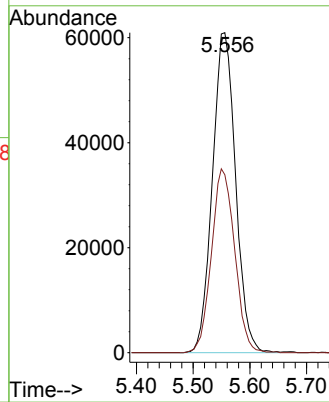
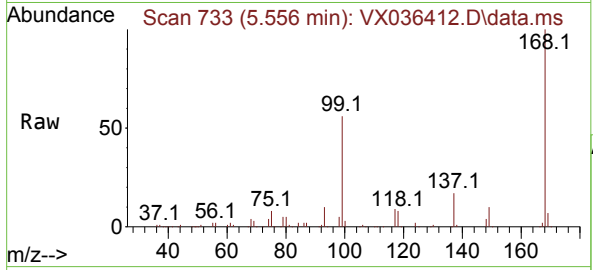




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

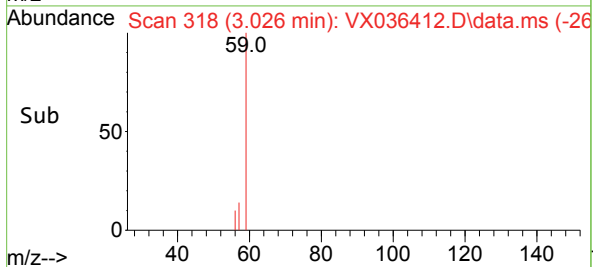
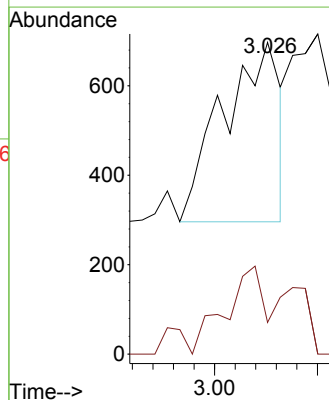
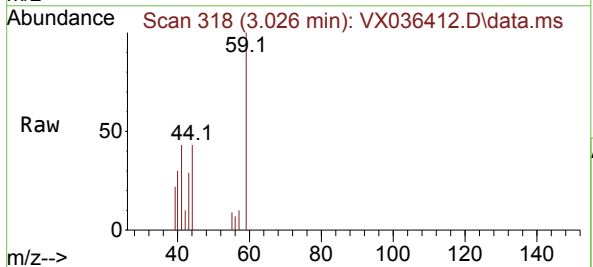
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

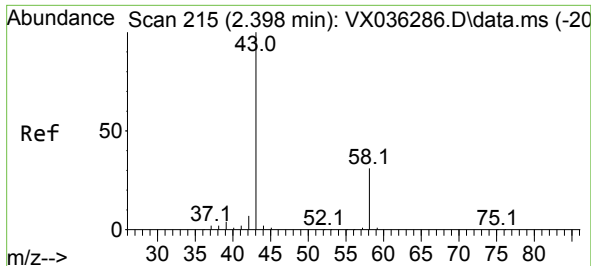
Tgt Ion:168 Resp: 172955
Ion Ratio Lower Upper
168 100
99 55.6 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.711 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.013 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 32.9 6.0 9.0#

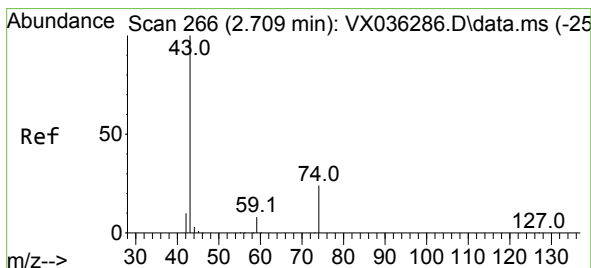
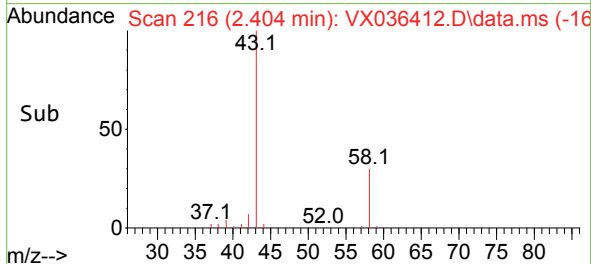
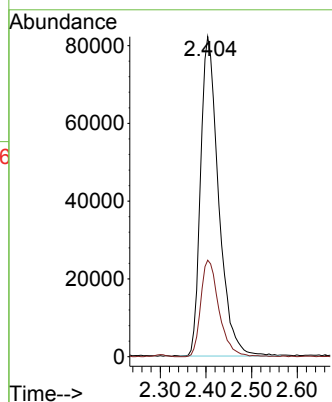
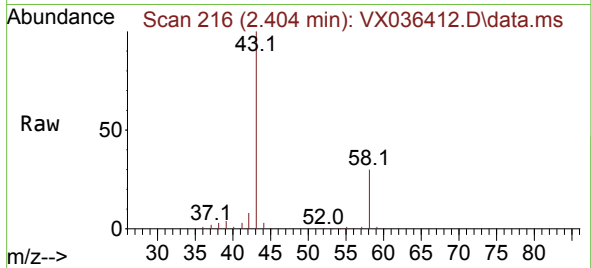




#16
Acetone
Concen: 212.167 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

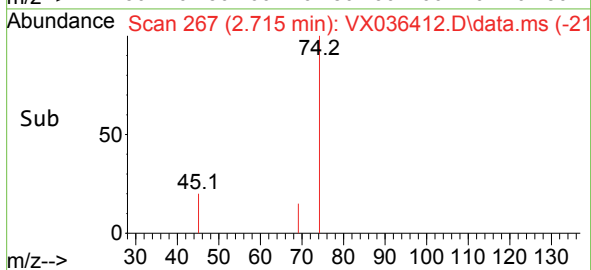
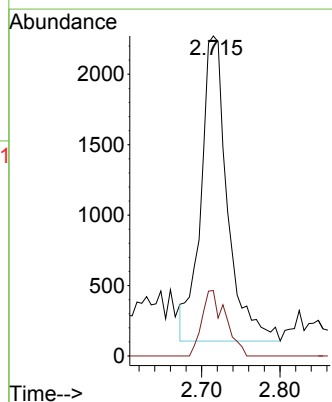
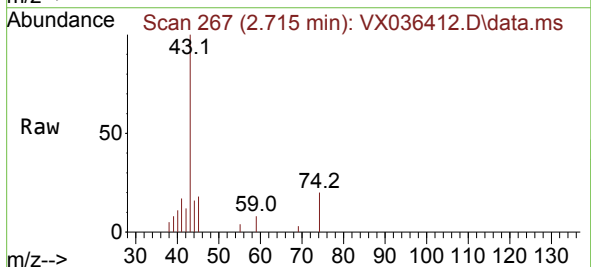
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

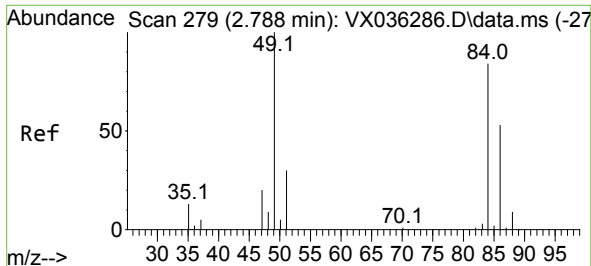
Tgt Ion: 43 Resp: 224828
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 1.172 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

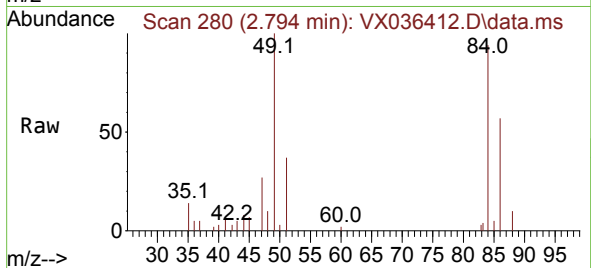
Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
74 19.1 17.8 26.8



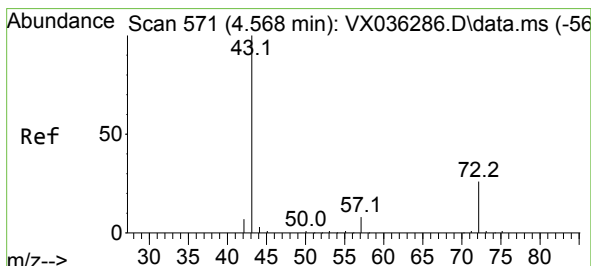
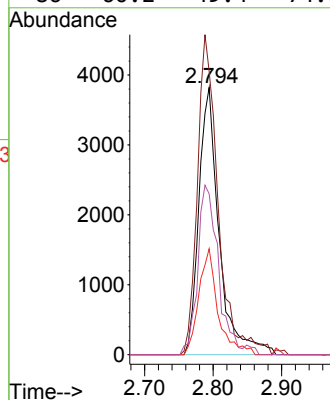
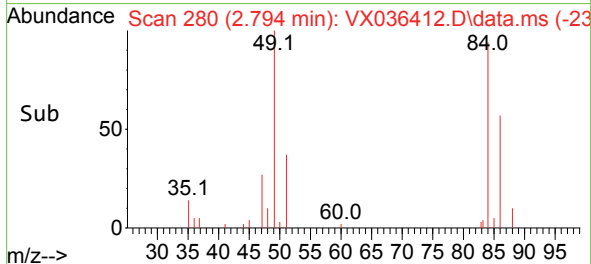


#20
Methylene Chloride
Concen: 3.464 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

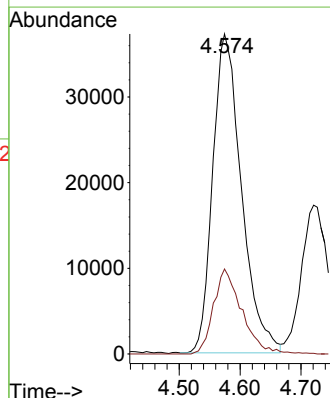
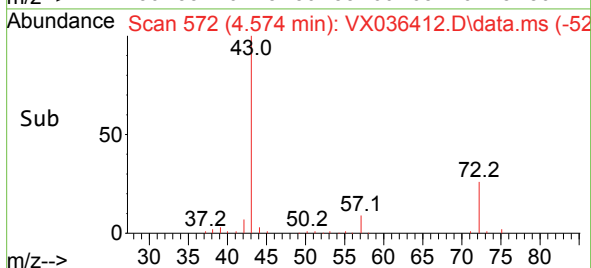
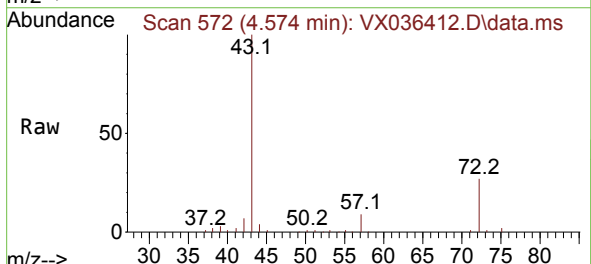


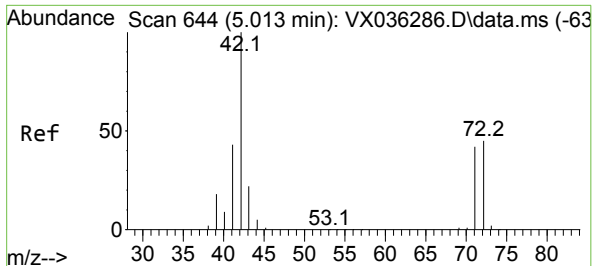
Tgt Ion: 84	Resp: 7903
Ion Ratio	Lower Upper
84 100	
49 106.0	103.6 155.4
51 39.6	33.8 50.6
86 60.2	49.4 74.0



#25
2-Butanone
Concen: 80.017 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 43	Resp: 121829
Ion Ratio	Lower Upper
43 100	
72 26.6	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.462 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.013 min

Lab File: VX036412.D

Acq: 05 Jul 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#13

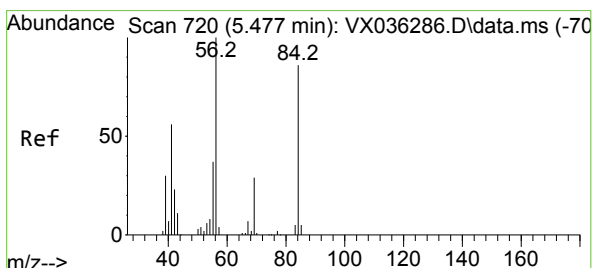
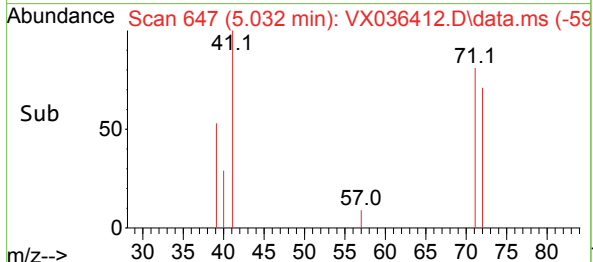
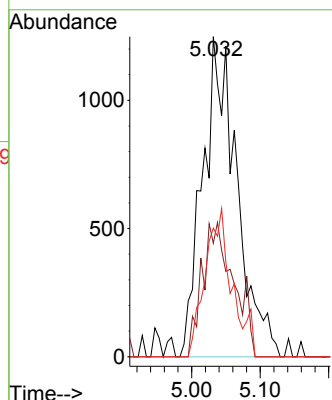
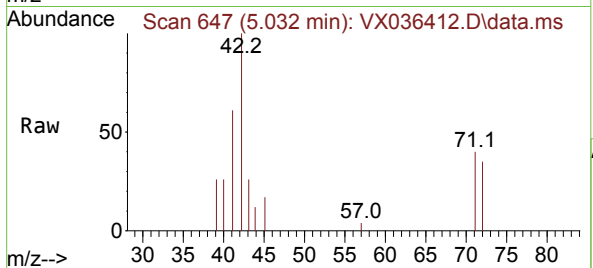
Tgt Ion: 42 Resp: 4325

Ion Ratio Lower Upper

42 100

72 39.0 34.2 51.4

71 36.1 32.2 48.2



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX036412.D

Acq: 05 Jul 2023 18:29

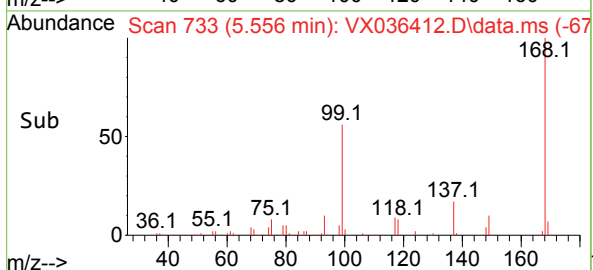
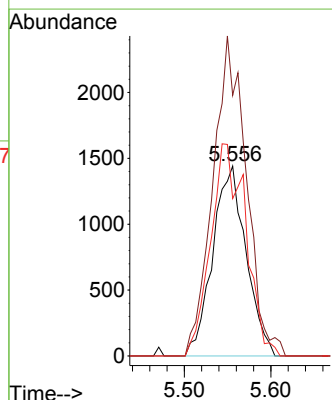
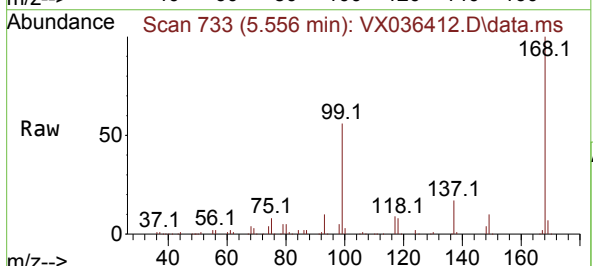
Tgt Ion: 56 Resp: 3848

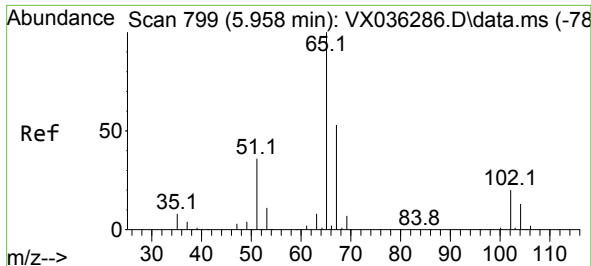
Ion Ratio Lower Upper

56 100

69 137.2 23.4 35.2#

84 82.9 65.9 98.9

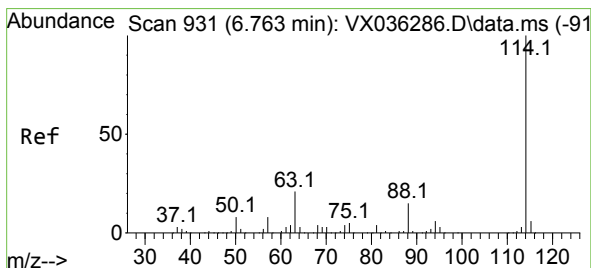
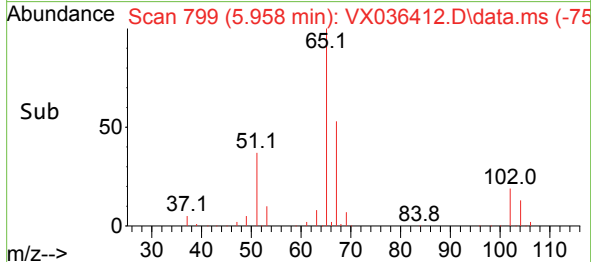
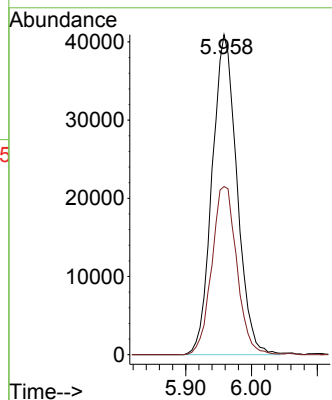
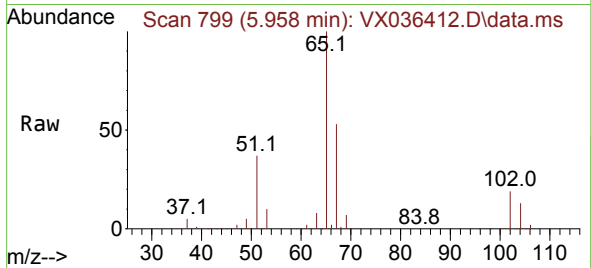




#33
 1,2-Dichloroethane-d4
 Concen: 43.367 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036412.D
 Acq: 05 Jul 2023 18:29

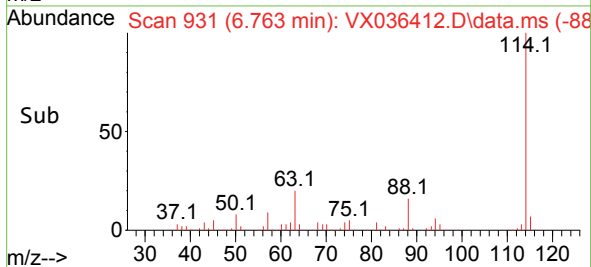
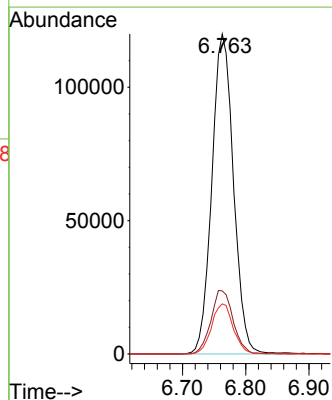
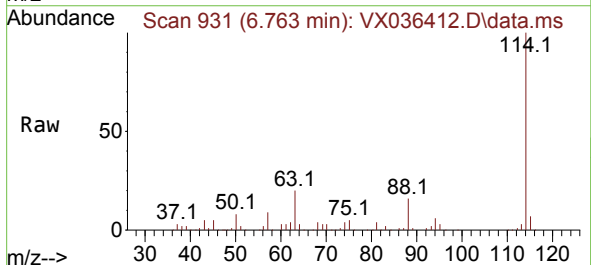
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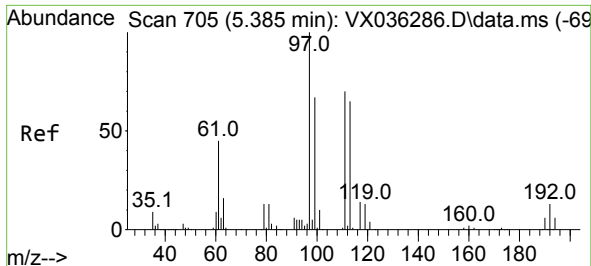
Tgt Ion: 65 Resp: 107515
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036412.D
 Acq: 05 Jul 2023 18:29

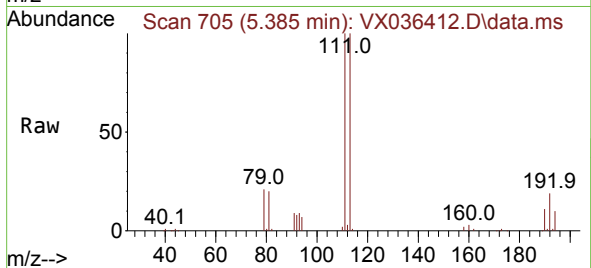
Tgt Ion:114 Resp: 283839
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 45.0
 88 15.7 0.0 36.6



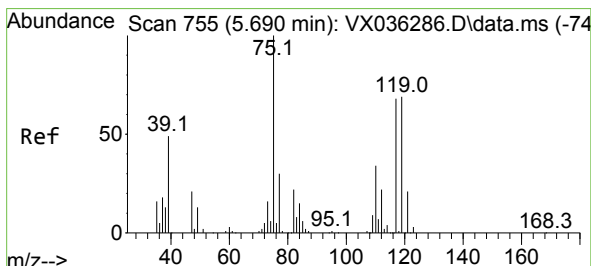
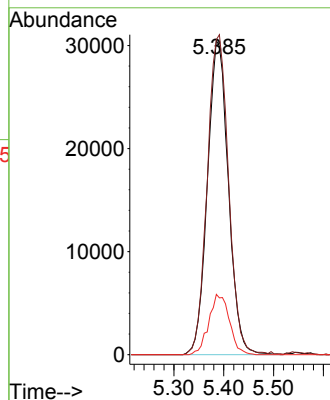
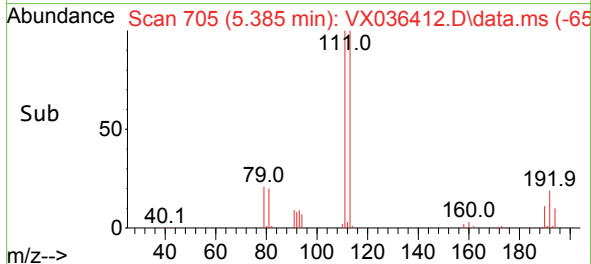


#35
Dibromofluoromethane
Concen: 47.398 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

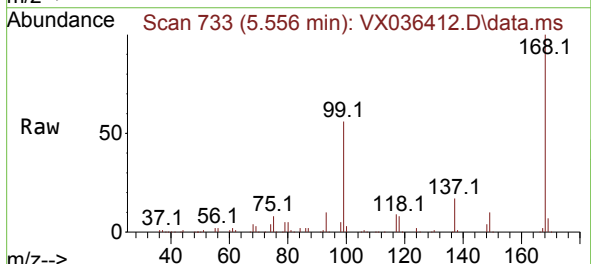
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13



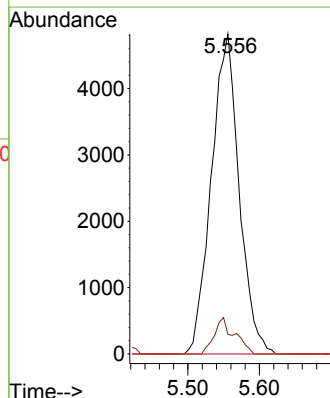
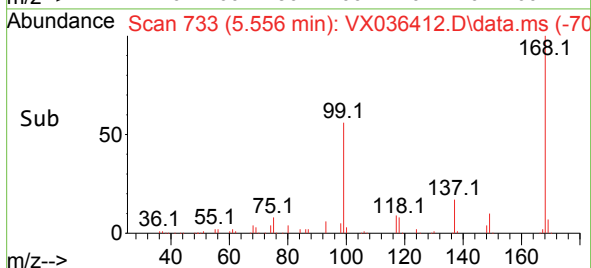
Tgt Ion:113 Resp: 88708
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.9 13.3 19.9

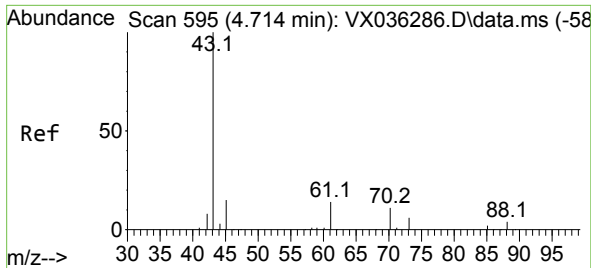


#36
1,1-Dichloropropene
Concen: 4.666 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29



Tgt Ion: 75 Resp: 13016
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 19.160 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX036412.D

Acq: 05 Jul 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#13

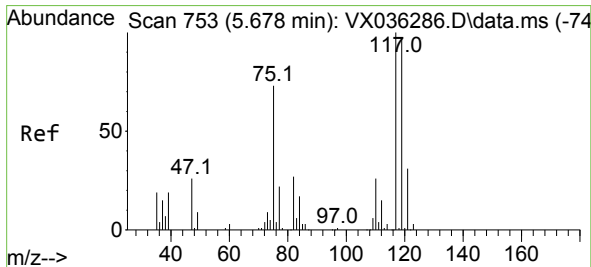
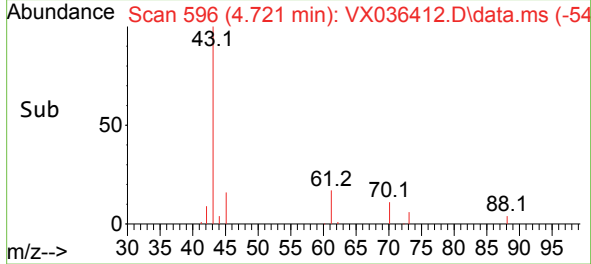
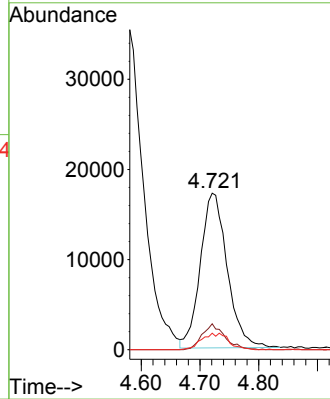
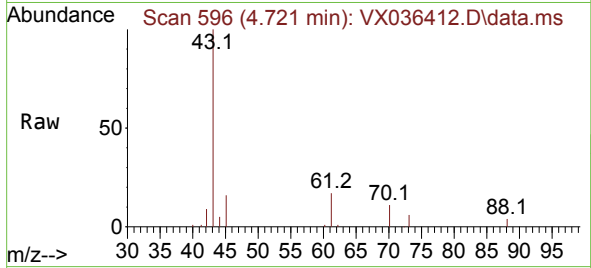
Tgt Ion: 43 Resp: 54478

Ion Ratio Lower Upper

43 100

61 14.1 10.6 16.0

70 6.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.888 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036412.D

Acq: 05 Jul 2023 18:29

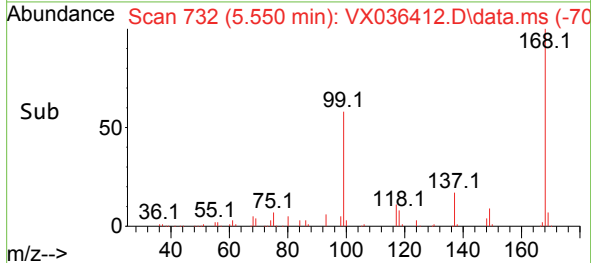
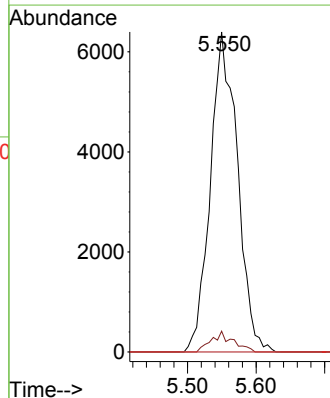
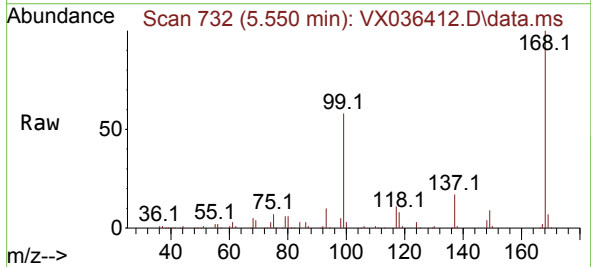
Tgt Ion: 117 Resp: 17550

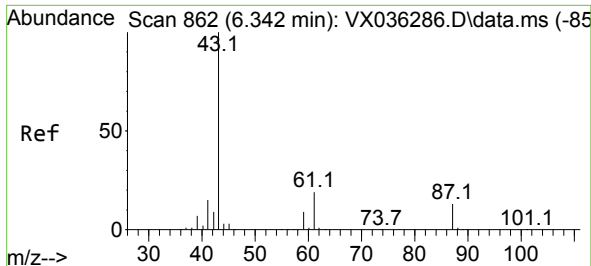
Ion Ratio Lower Upper

117 100

119 6.5 78.2 117.2#

121 0.0 24.4 36.6#

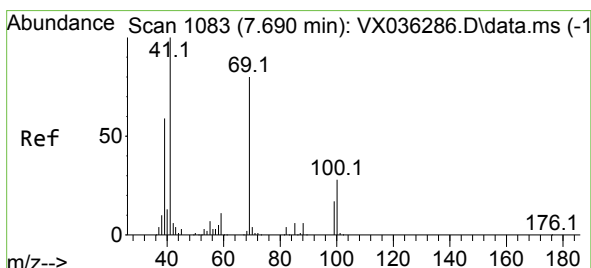
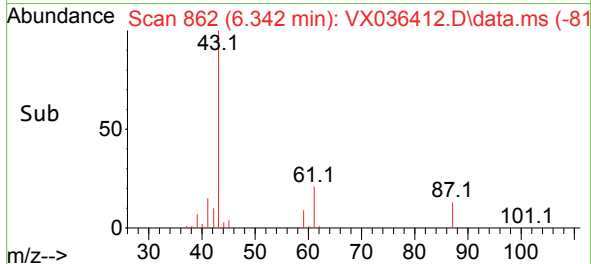
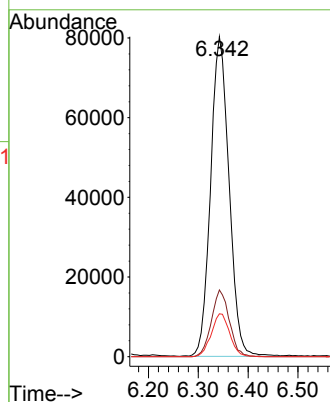
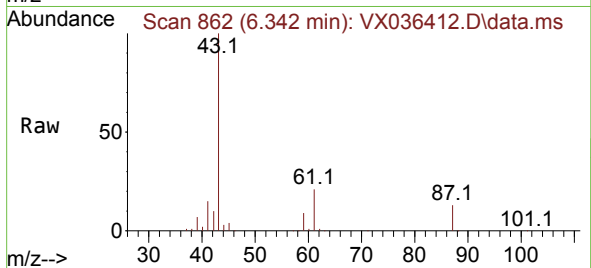




#43
Isopropyl Acetate
Concen: 45.451 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

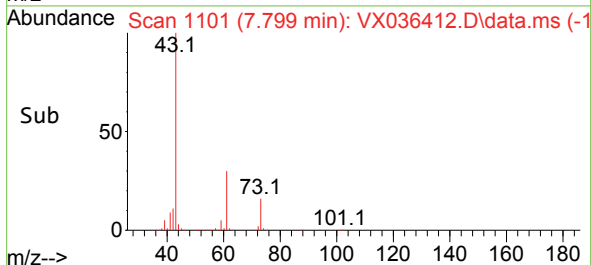
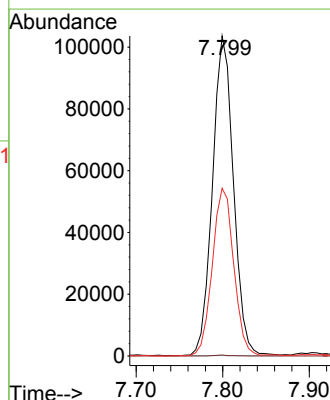
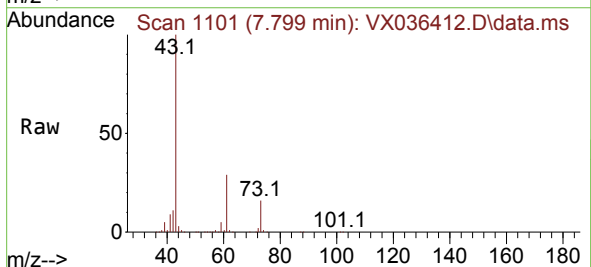
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

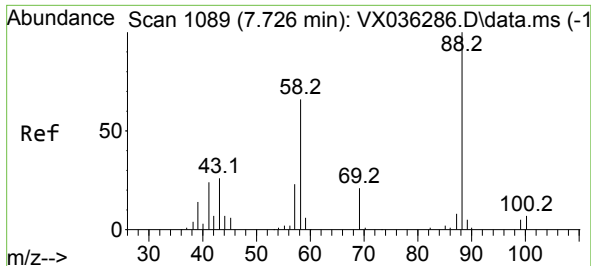
Tgt Ion: 43 Resp: 206164
Ion Ratio Lower Upper
43 100
61 20.2 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 76.941 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 41 Resp: 174015
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.6 47.7 71.5

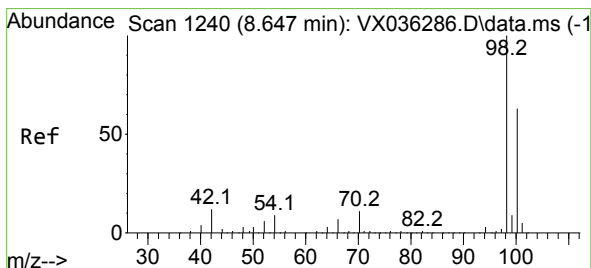
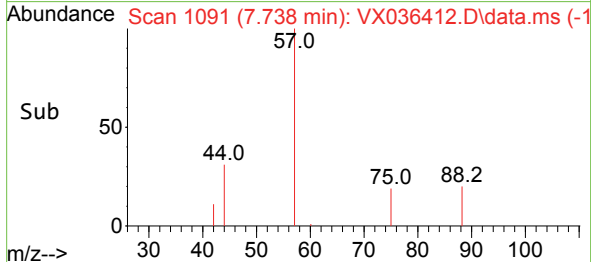
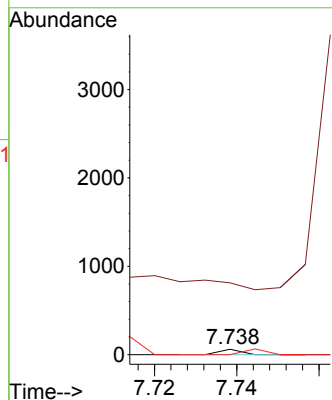
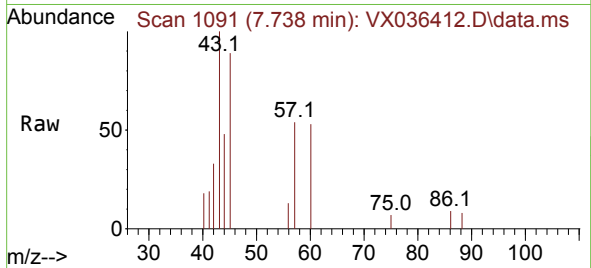




#49
1,4-Dioxane
Concen: 0.439 ug/l
RT: 7.738 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

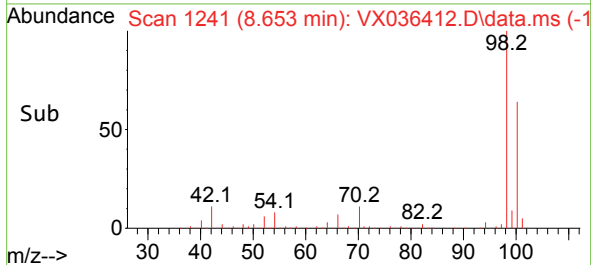
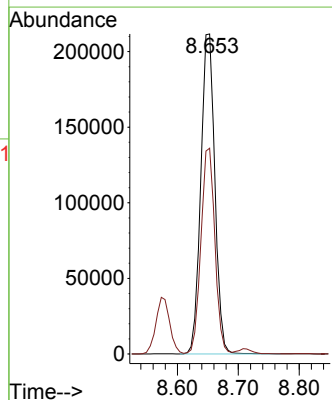
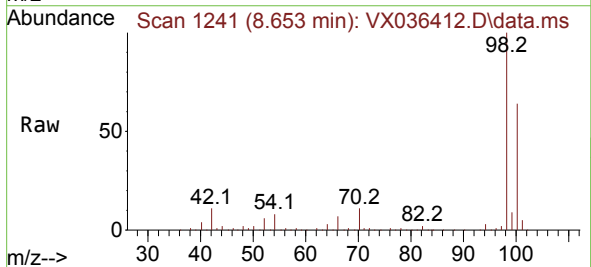
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

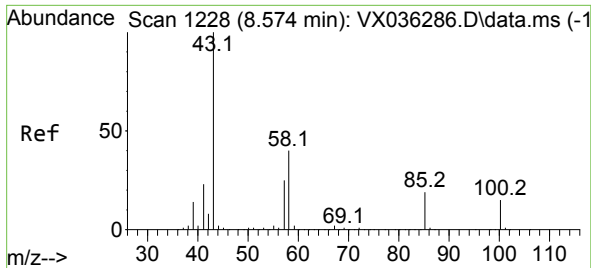
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.586 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 98 Resp: 339628
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

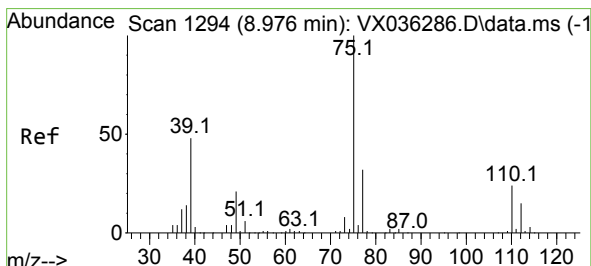
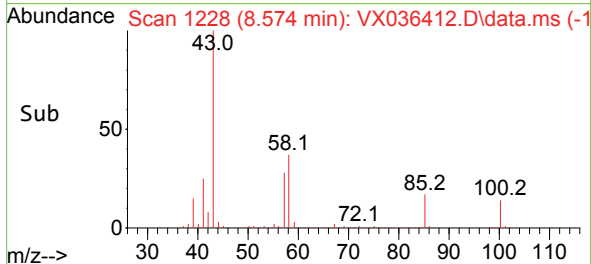
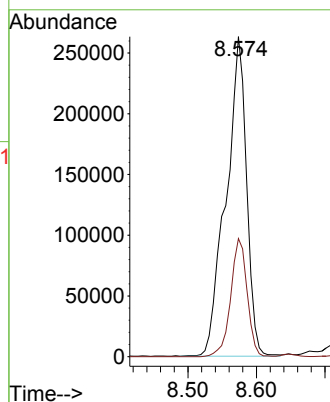
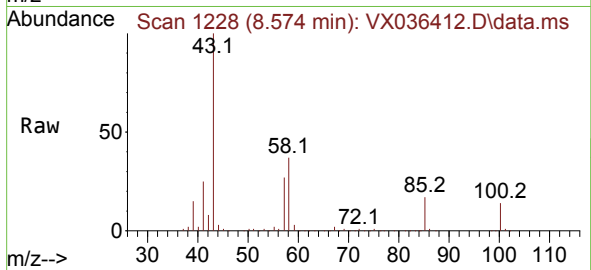




#51
4-Methyl-2-Pentanone
Concen: 187.260 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

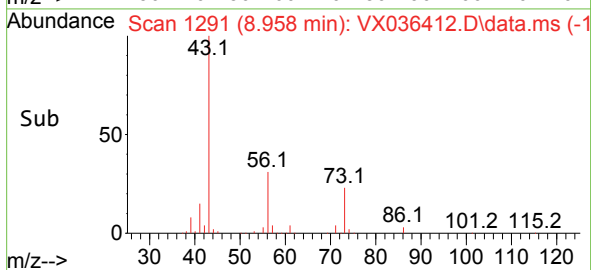
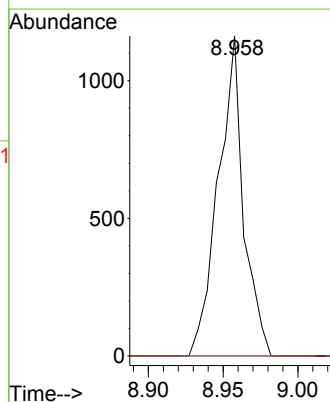
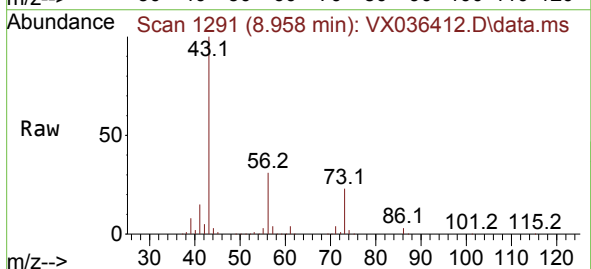
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

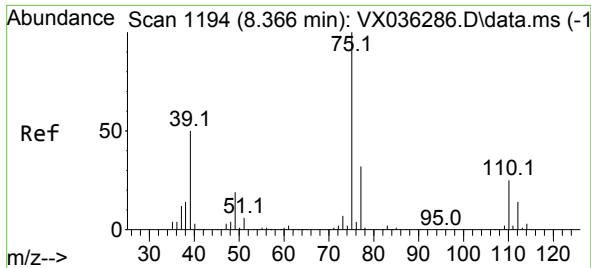
Tgt Ion: 43 Resp: 547244
Ion Ratio Lower Upper
43 100
58 29.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.500 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 75 Resp: 1365
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

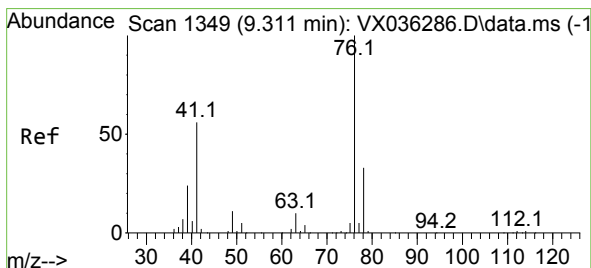
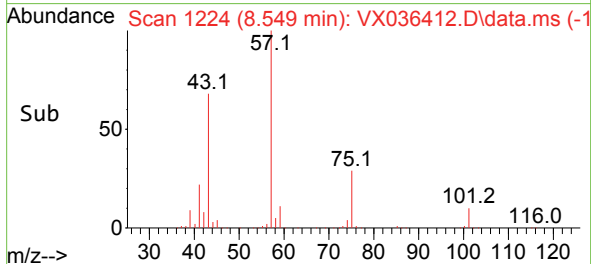
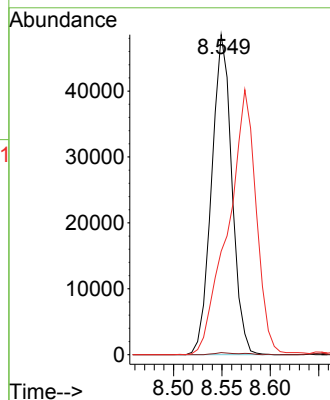
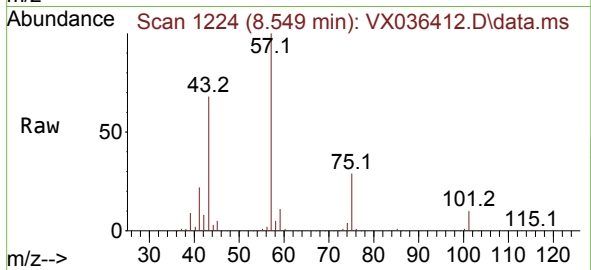




#54
 cis-1,3-Dichloropropene
 Concen: 22.907 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036412.D
 Acq: 05 Jul 2023 18:29

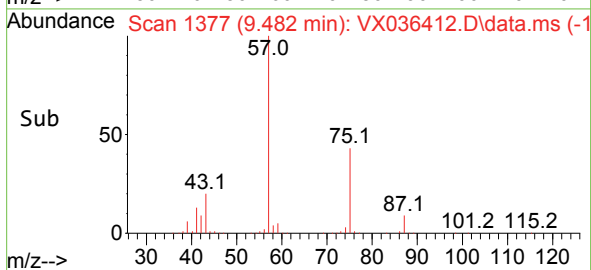
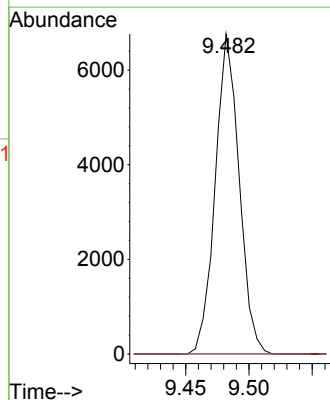
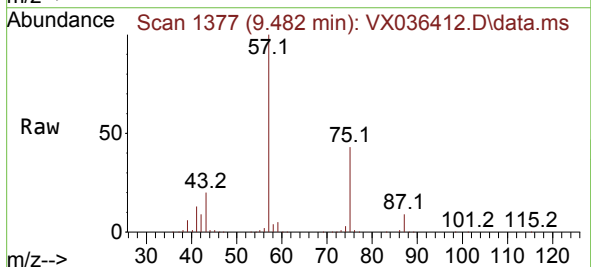
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#13

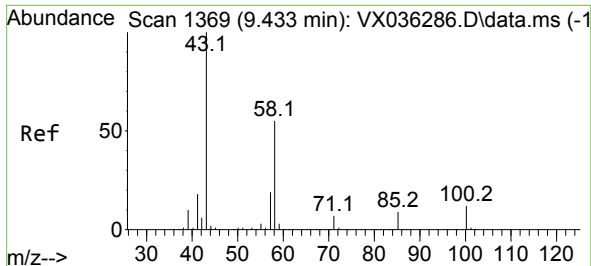
Tgt Ion: 75 Resp: 70673
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 32.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.521 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036412.D
 Acq: 05 Jul 2023 18:29

Tgt Ion: 76 Resp: 8869
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

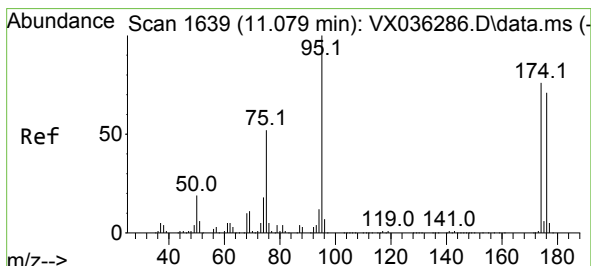
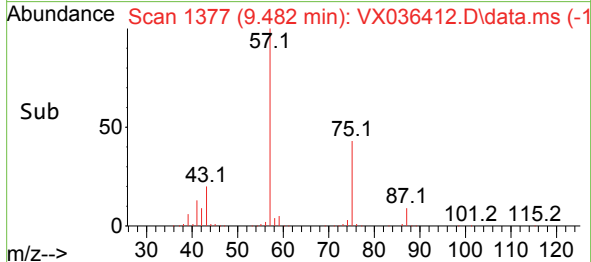
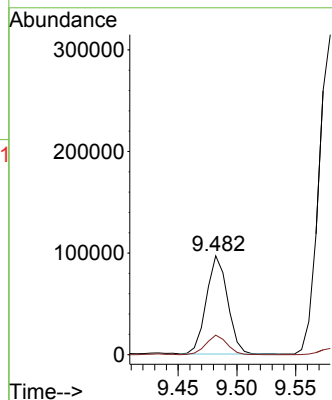
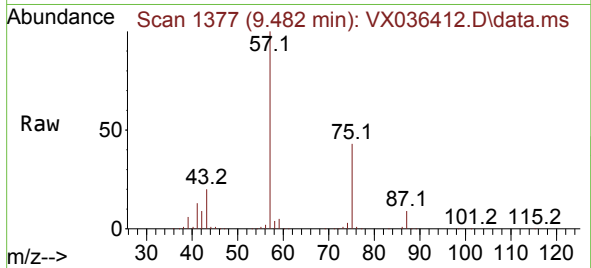




#59
2-Hexanone
Concen: 56.988 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

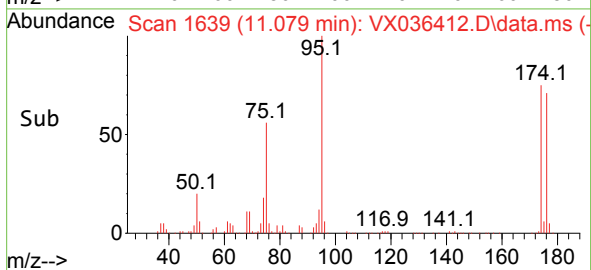
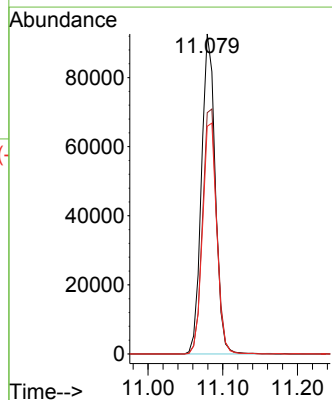
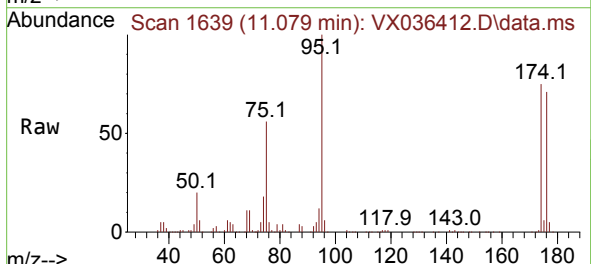
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

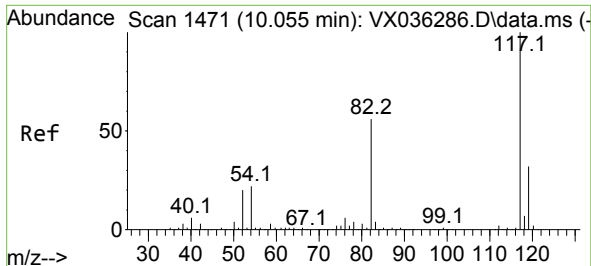
Tgt Ion: 43 Resp: 121616
Ion Ratio Lower Upper
43 100
58 19.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion: 95 Resp: 118543
Ion Ratio Lower Upper
95 100
174 79.0 0.0 135.6
176 74.5 0.0 131.0

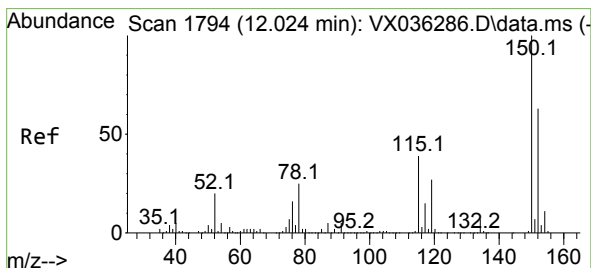
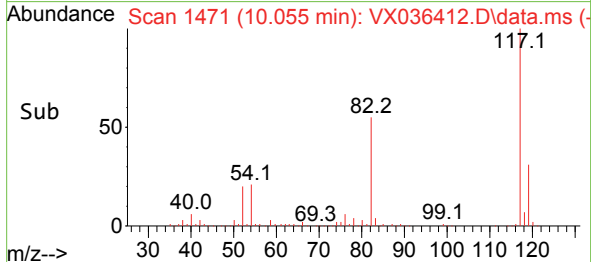
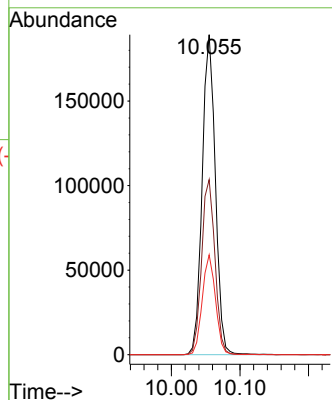
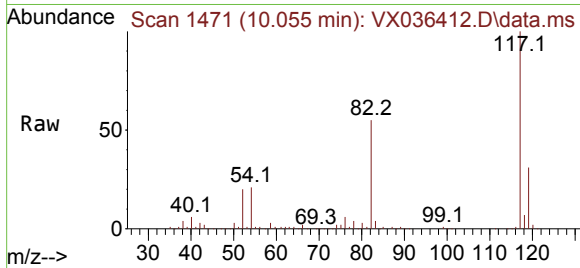




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

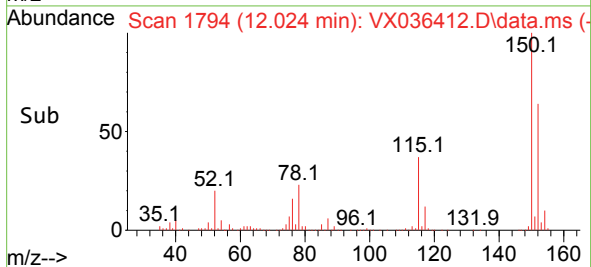
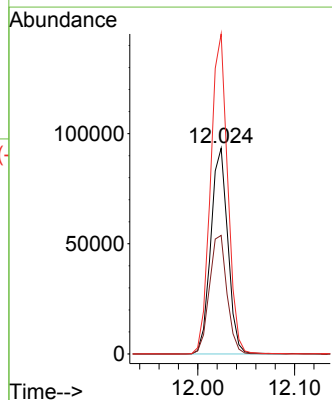
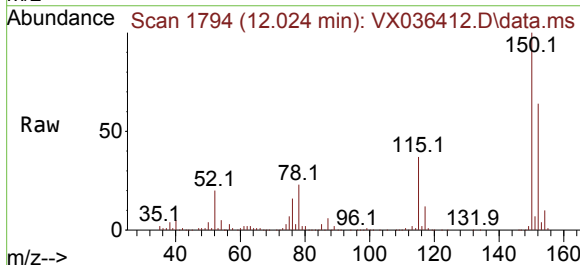
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#13

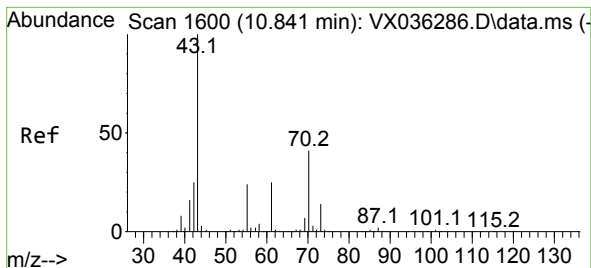
Tgt Ion:117 Resp: 253311
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036412.D
Acq: 05 Jul 2023 18:29

Tgt Ion:152 Resp: 114560
Ion Ratio Lower Upper
152 100
115 59.5 43.3 129.9
150 156.7 0.0 345.0





#74

N-amy1 acetate

Concen: 0.613 ug/l

RT: 10.823 min Scan# 1

Delta R.T. -0.018 min

Lab File: VX036412.D

Acq: 05 Jul 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#13

Tgt Ion: 43 Resp: 2094

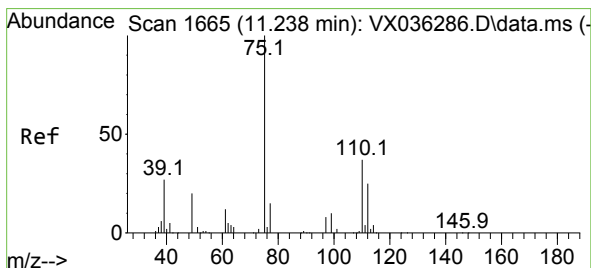
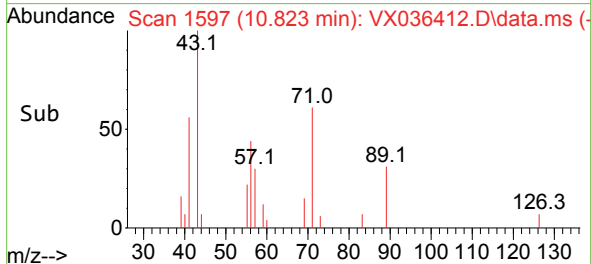
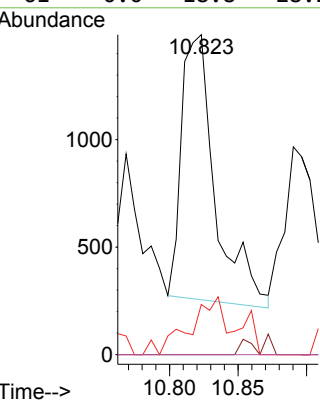
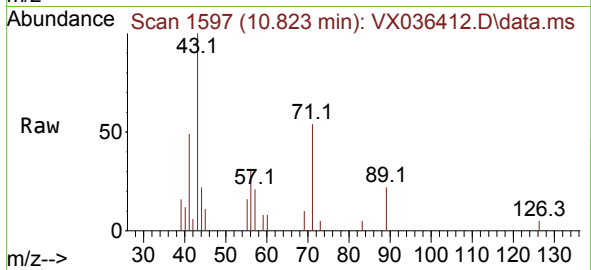
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 24.2 19.3 28.9

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.462 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036412.D

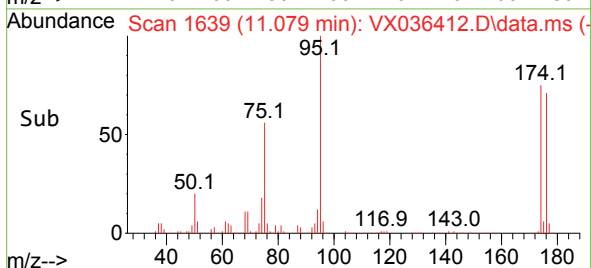
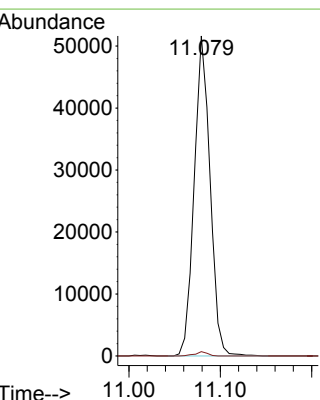
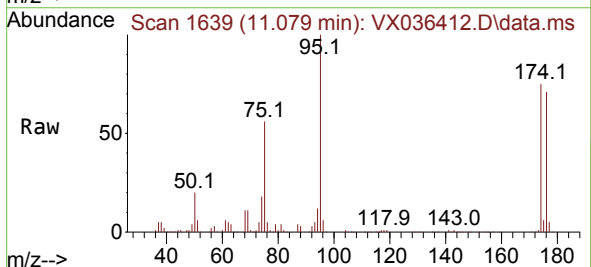
Acq: 05 Jul 2023 18:29

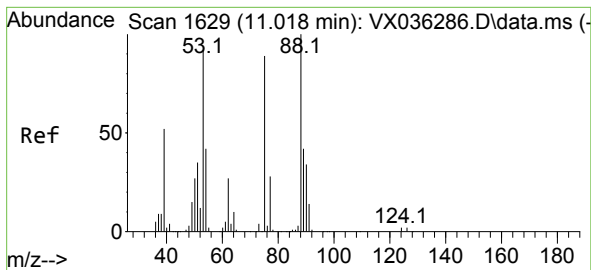
Tgt Ion: 75 Resp: 62219

Ion Ratio Lower Upper

75 100

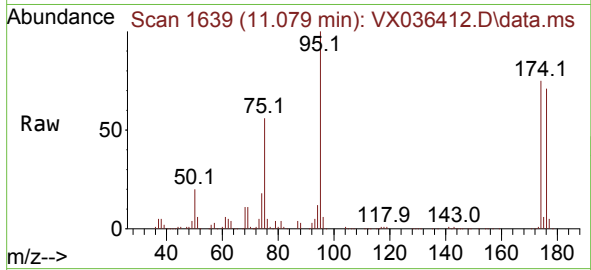
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.000 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036412.D
 Acq: 05 Jul 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#13



Tgt Ion: 75 Resp: 62219
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

