

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
 Data File : VX036649.D
 Acq On : 25 Jul 2023 13:18
 Operator : JC/MD
 Sample : PB154393ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#02

Quant Time: Jul 26 06:24:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

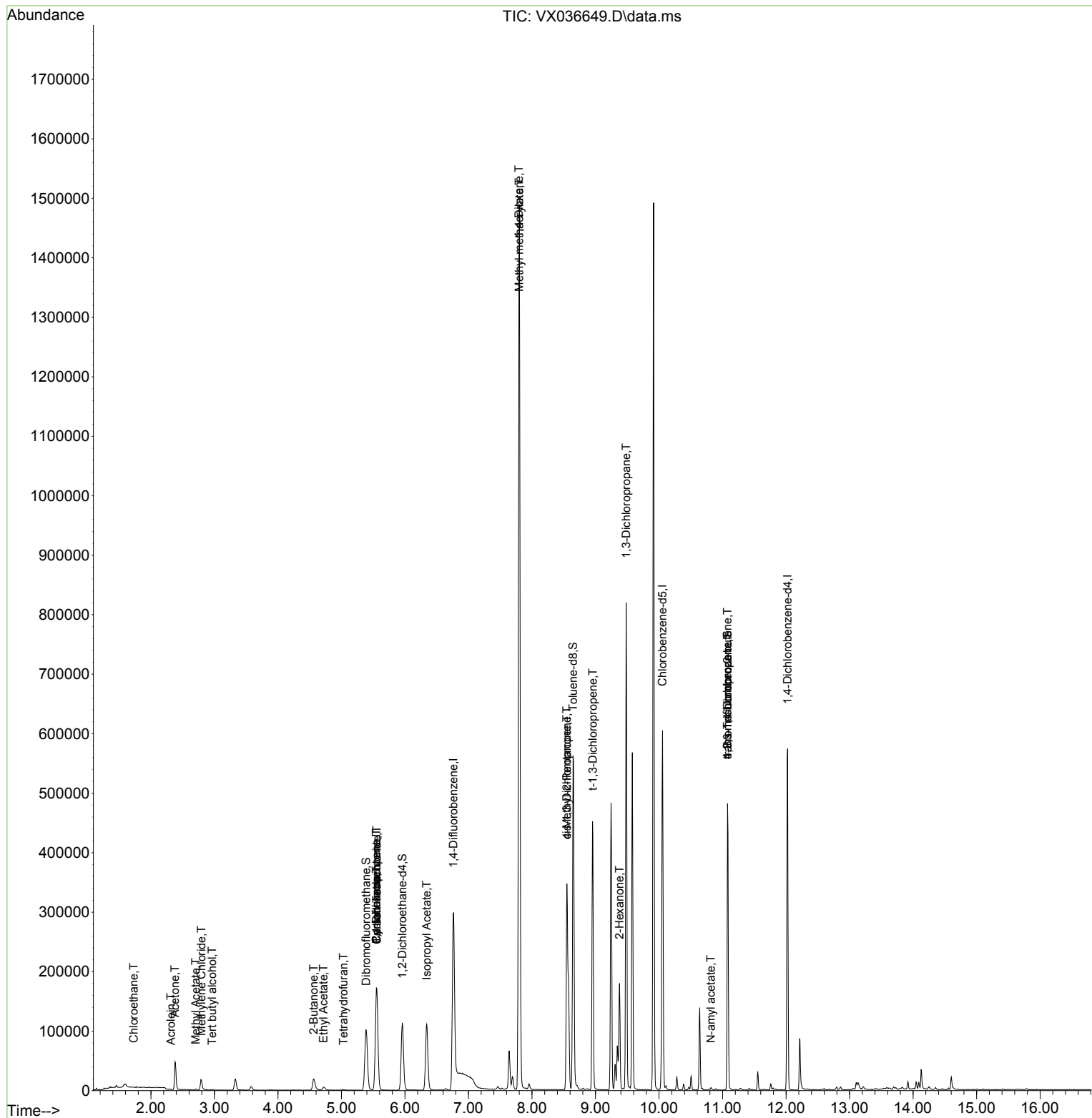
Internal Standards						
1) Pentafluorobenzene	5.550	168	159146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	284536	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107952	45.843	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.680%		
35) Dibromofluoromethane	5.385	113	91078	46.570	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	8.647	98	339413	48.939	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.880%		
62) 4-Bromofluorobenzene	11.079	95	128068	48.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.880%		
Target Compounds					Qvalue	
6) Chloroethane	1.727	64	448	0.473	ug/l #	43
11) Tert butyl alcohol	2.965	59	858	1.539	ug/l #	35
13) Acrolein	2.313	56	199	0.625	ug/l #	29
16) Acetone	2.380	43	52484	53.711	ug/l	92
18) Methyl Acetate	2.703	43	1961	0.477	ug/l	99
20) Methylene Chloride	2.794	84	9087	4.181	ug/l	89
25) 2-Butanone	4.562	43	35270	22.247	ug/l	99
29) Tetrahydrofuran	5.032	42	702	0.687	ug/l #	76
31) Cyclohexane	5.550	56	3737	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13237	4.541	ug/l #	52
37) Ethyl Acetate	4.715	43	9887	2.997	ug/l	96
38) Carbon Tetrachloride	5.556	117	17064	5.506	ug/l #	15
43) Isopropyl Acetate	6.342	43	156847	27.617	ug/l	97
48) Methyl methacrylate	7.799	41	126477	47.885	ug/l #	48
49) 1,4-Dioxane	7.793	88	214	4.011	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	210727	67.047	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	1003	0.273	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	56702	14.615	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	6889	1.852	ug/l #	42
59) 2-Hexanone	9.378	43	133792	57.358	ug/l #	26
74) N-amyl acetate	10.817	43	1006	0.225	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	67746	24.835	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67746	56.289	ug/l #	5

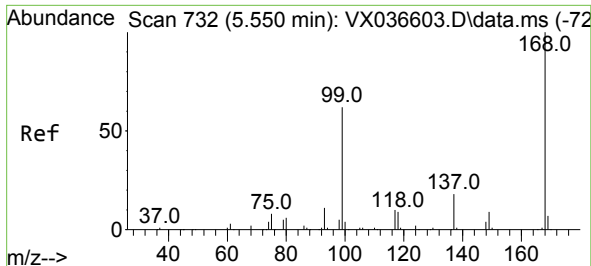
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
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Acq On : 25 Jul 2023 13:18
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

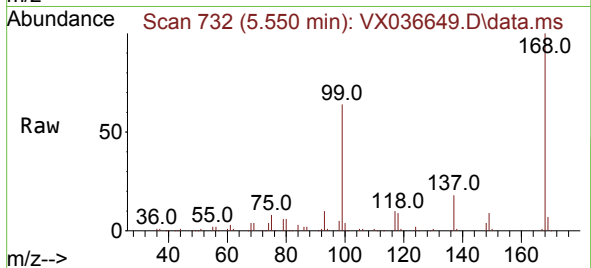
Quant Time: Jul 26 06:24:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



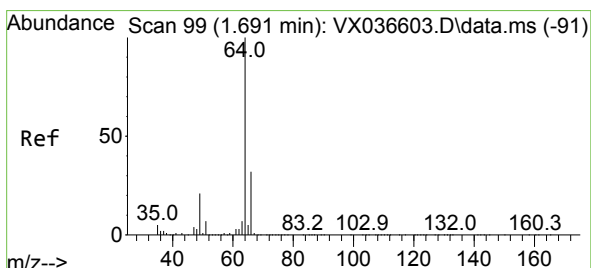
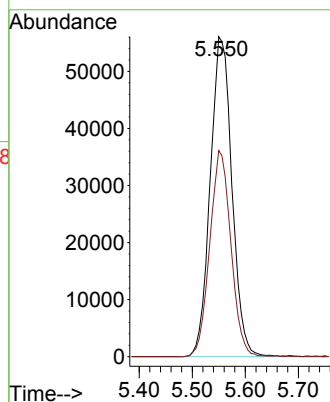
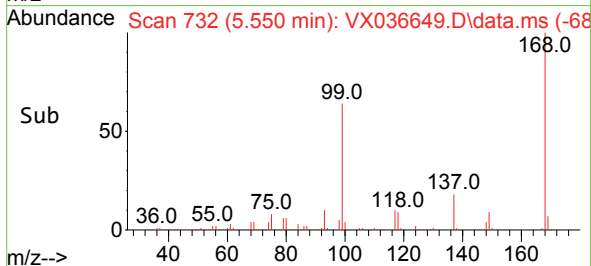


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

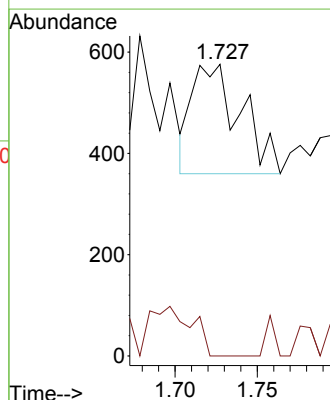
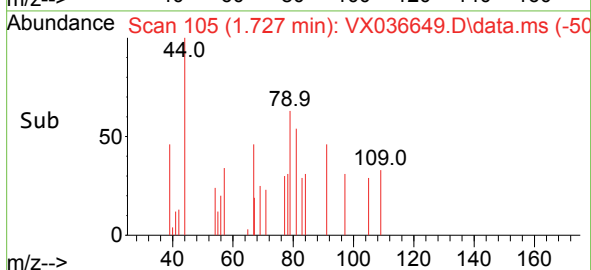
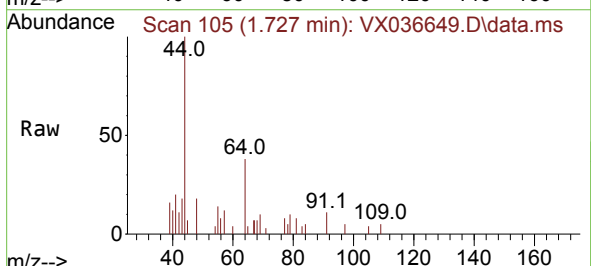


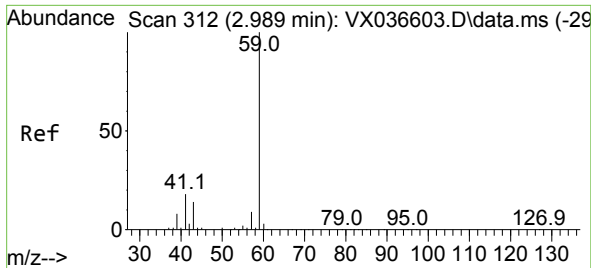
Tgt Ion:168 Resp: 159146
Ion Ratio Lower Upper
168 100
99 64.4 56.6 85.0



#6
Chloroethane
Concen: 0.473 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.037 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 64 Resp: 448
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

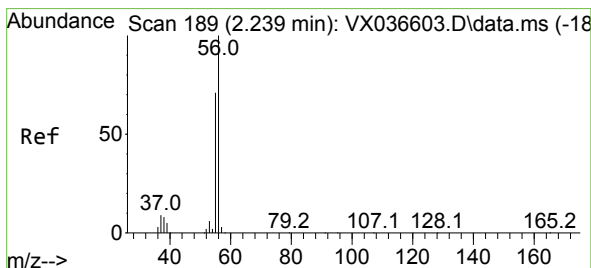
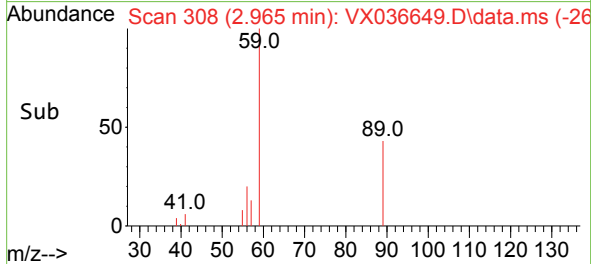
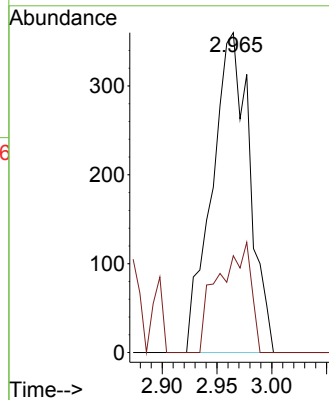
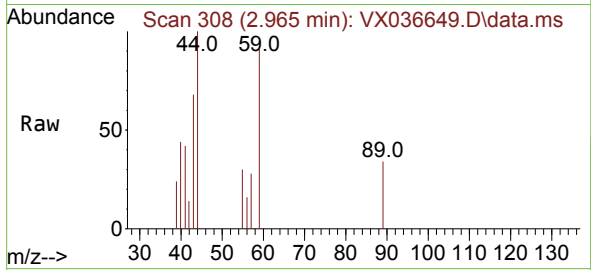




#11
Tert butyl alcohol
Concen: 1.539 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

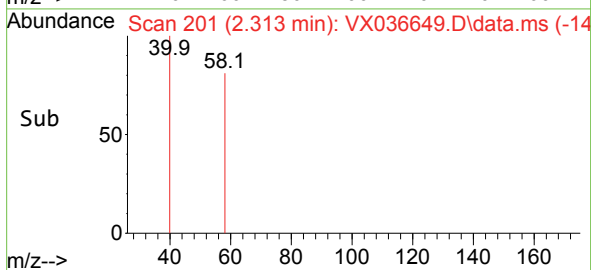
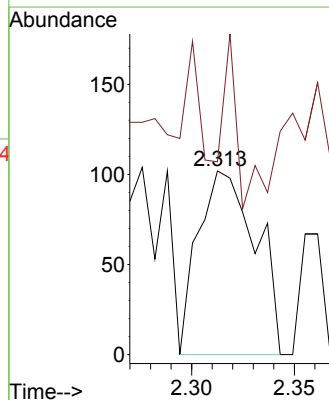
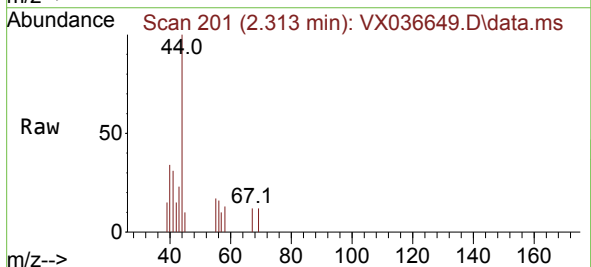
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

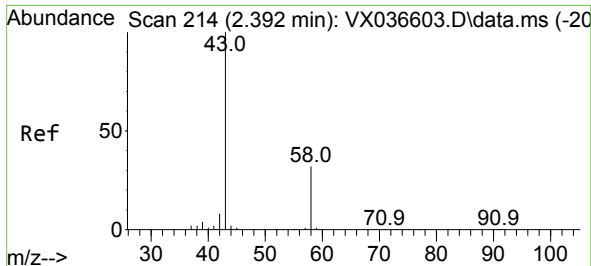
Tgt Ion: 59 Resp: 858
Ion Ratio Lower Upper
59 100
57 30.2 6.0 9.0#



#13
Acrolein
Concen: 0.625 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.073 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 12.6 57.1 85.7#

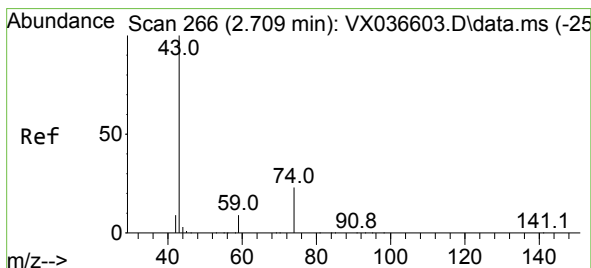
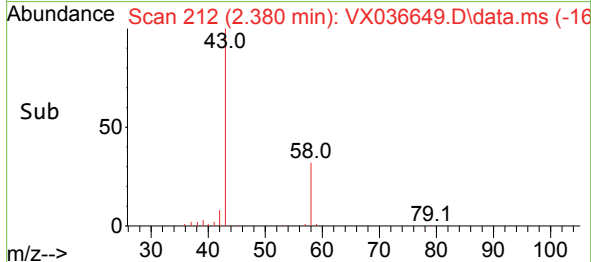
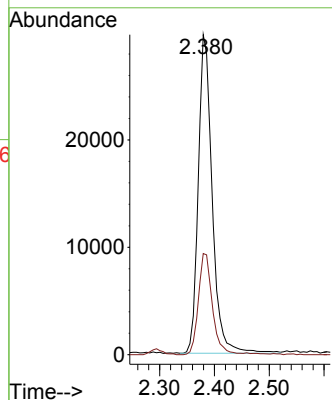
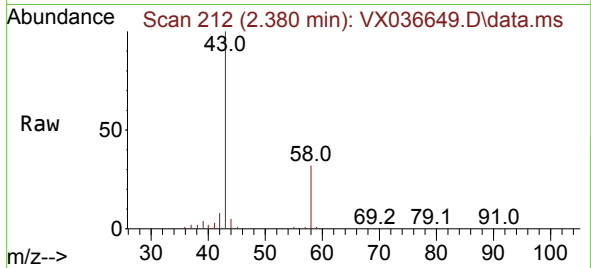




#16
Acetone
Concen: 53.711 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

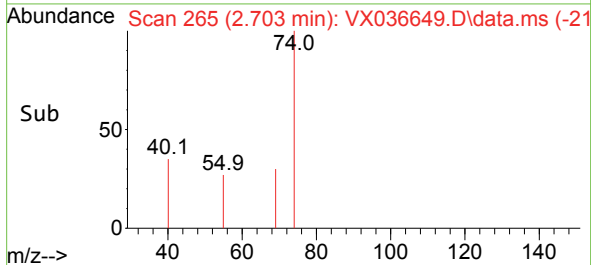
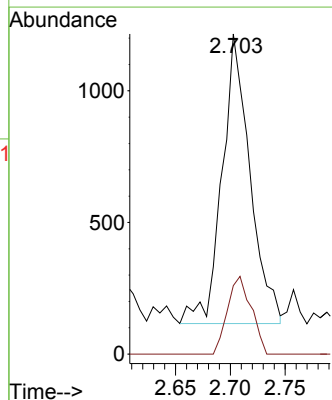
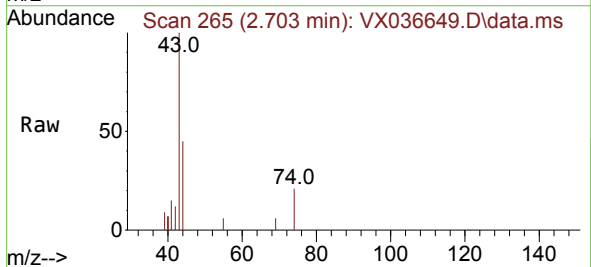
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

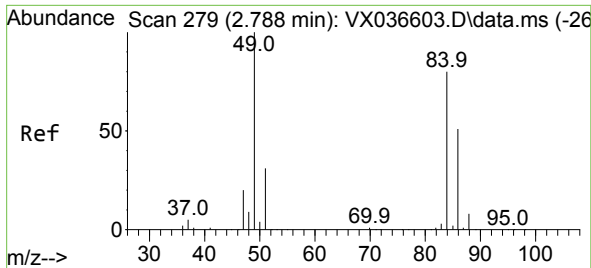
Tgt Ion: 43 Resp: 52484
Ion Ratio Lower Upper
43 100
58 31.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8

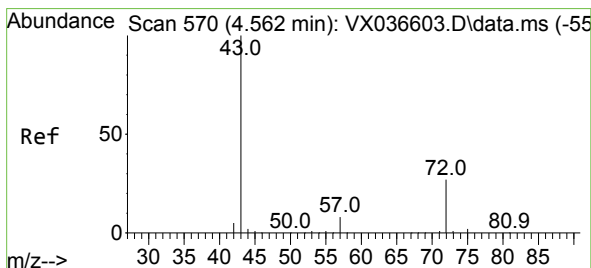
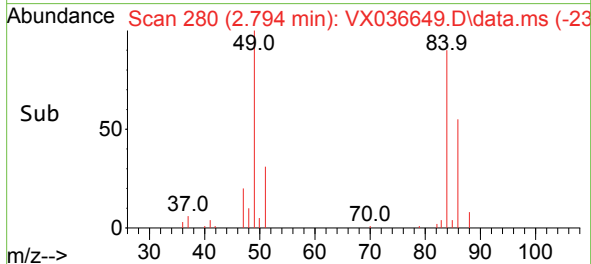
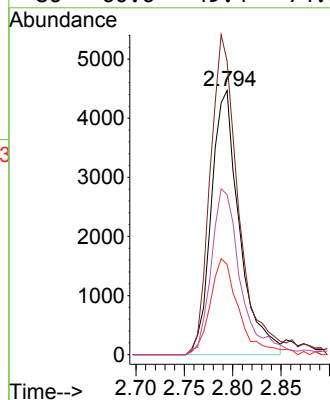
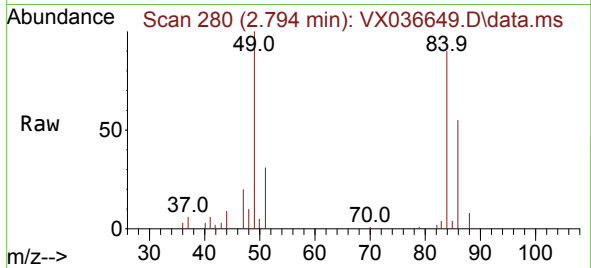




#20
Methylene Chloride
Concen: 4.181 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

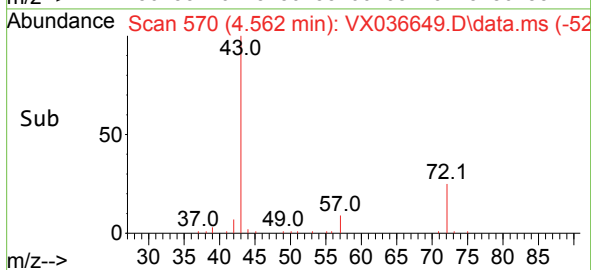
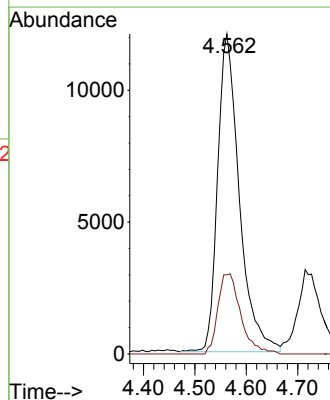
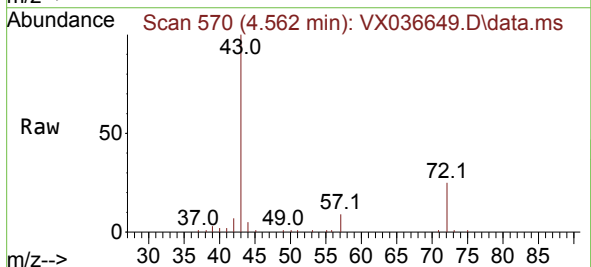
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

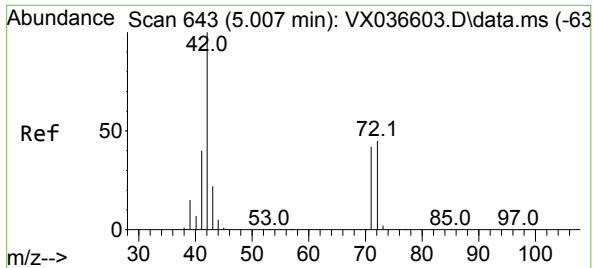
Tgt Ion: 84 Resp: 9087
Ion Ratio Lower Upper
84 100
49 111.1 103.6 155.4
51 34.2 33.8 50.6
86 60.6 49.4 74.0



#25
2-Butanone
Concen: 22.247 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 43 Resp: 35270
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.687 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX036649.D

Acq: 25 Jul 2023 13:18

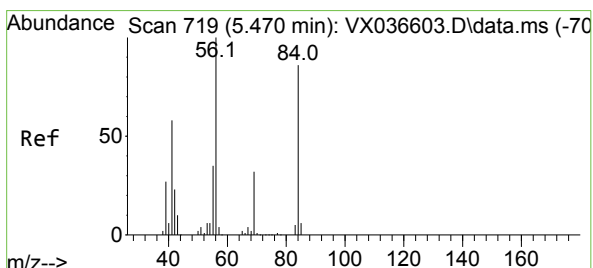
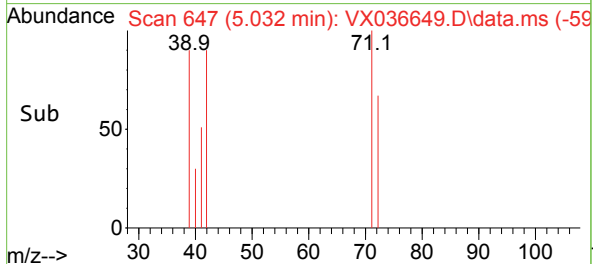
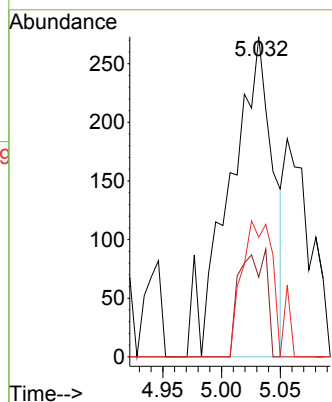
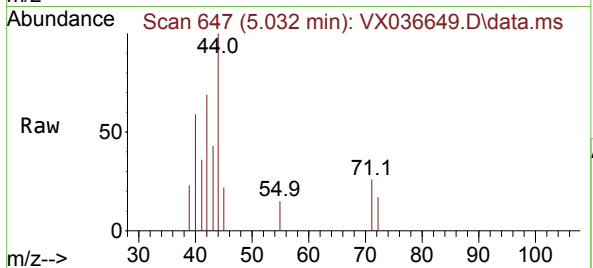
Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#02

Tgt Ion:	42	Resp:	702
Ion	Ratio	Lower	Upper
42	100		
72	20.7	34.2	51.4#
71	32.2	32.2	48.2



#31

Cyclohexane

Concen: 1.146 ug/l

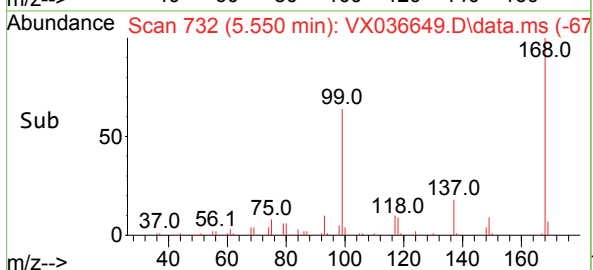
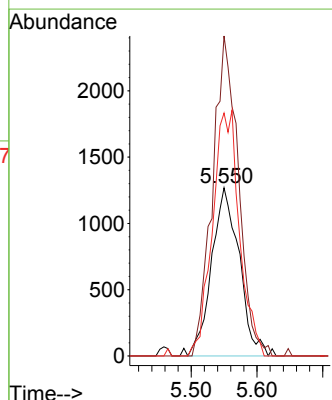
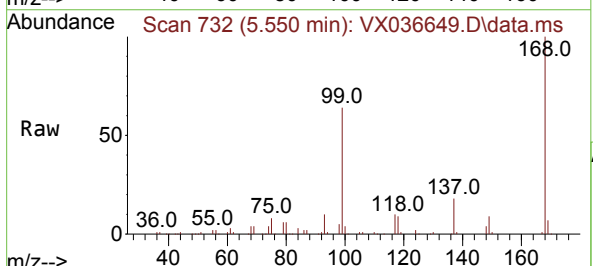
RT: 5.550 min Scan# 732

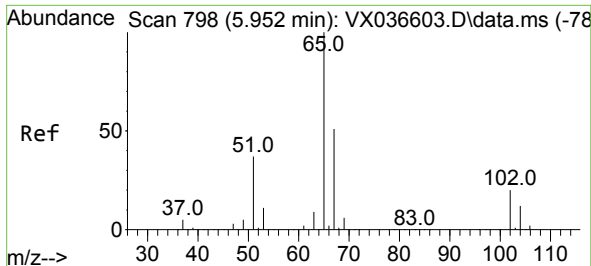
Delta R.T. 0.079 min

Lab File: VX036649.D

Acq: 25 Jul 2023 13:18

Tgt Ion:	56	Resp:	3737
Ion	Ratio	Lower	Upper
56	100		
69	190.2	23.4	35.2#
84	144.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.843 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036649.D

Acq: 25 Jul 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

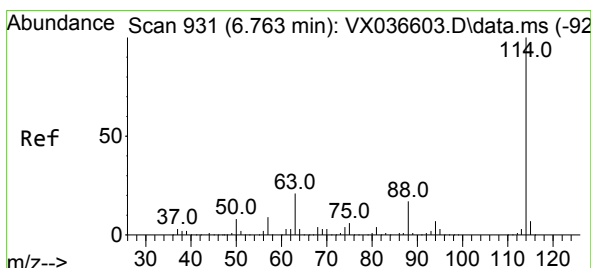
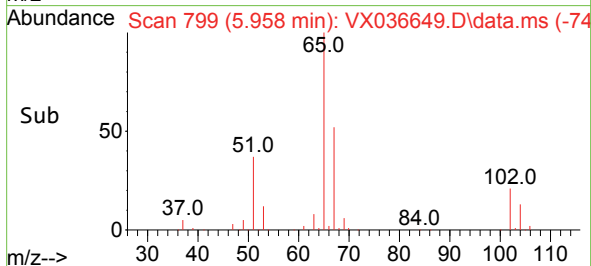
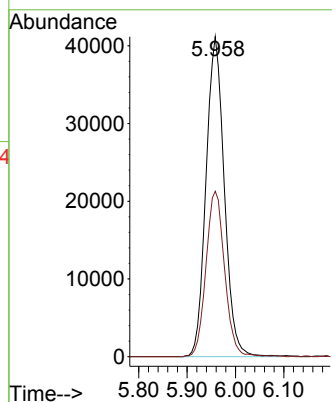
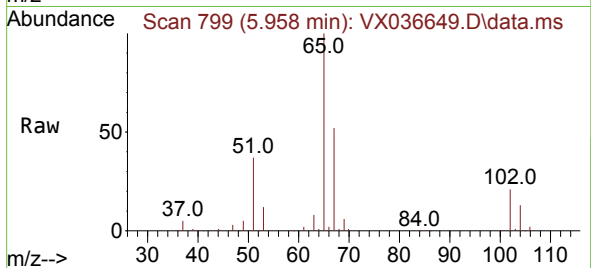
PB154393ZHE#02

Tgt Ion: 65 Resp: 107952

Ion Ratio Lower Upper

65 100

67 52.7 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: VX036649.D

Acq: 25 Jul 2023 13:18

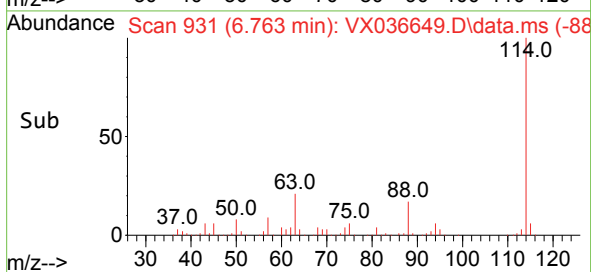
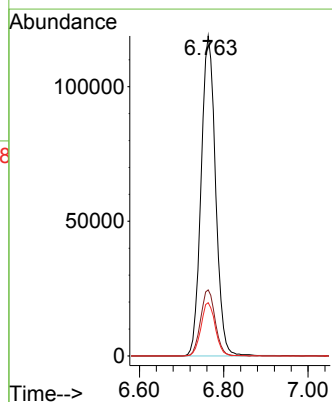
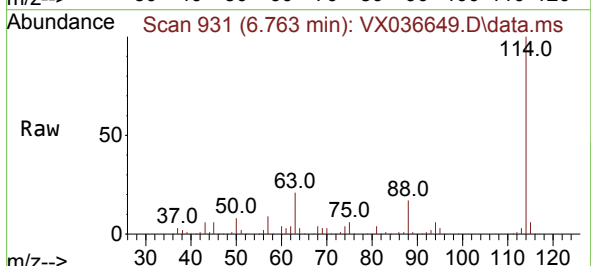
Tgt Ion: 114 Resp: 284536

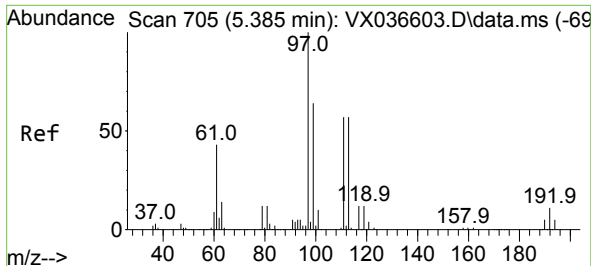
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

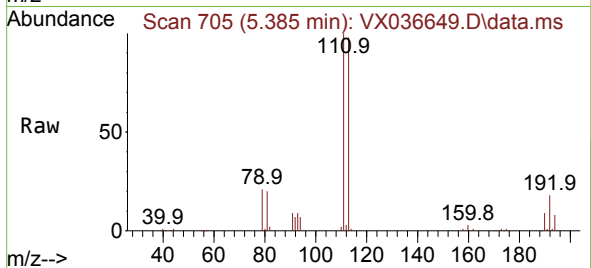
88 16.7 0.0 36.6



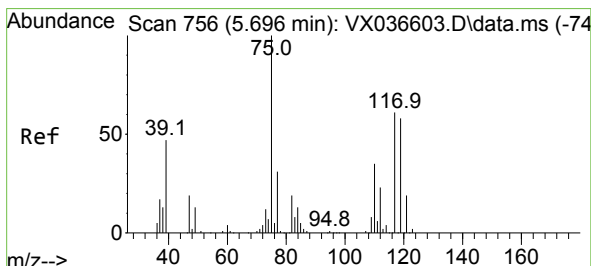
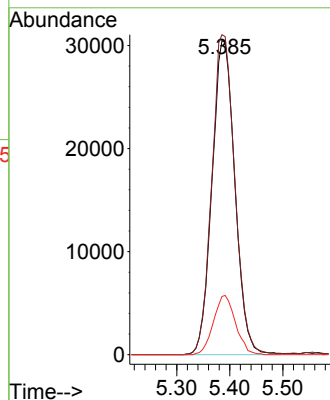
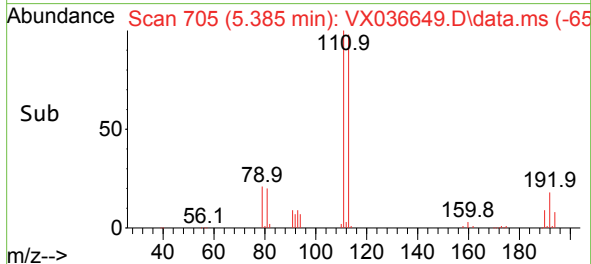


#35
Dibromofluoromethane
Concen: 46.570 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

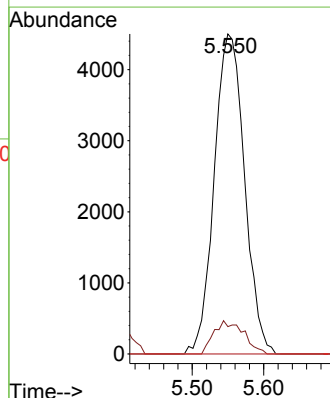
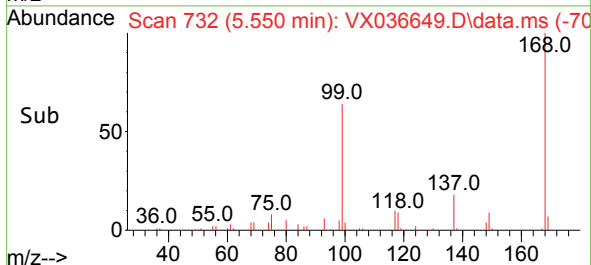
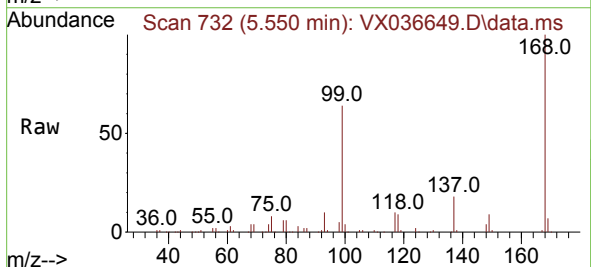


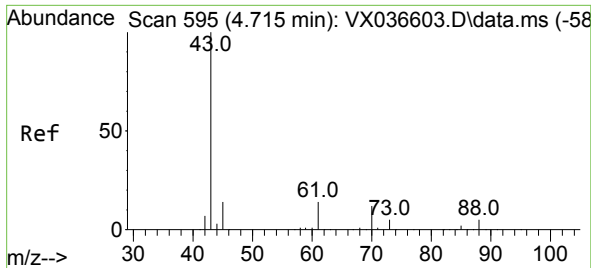
Tgt Ion:113 Resp: 91078
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.541 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 75 Resp: 13237
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#

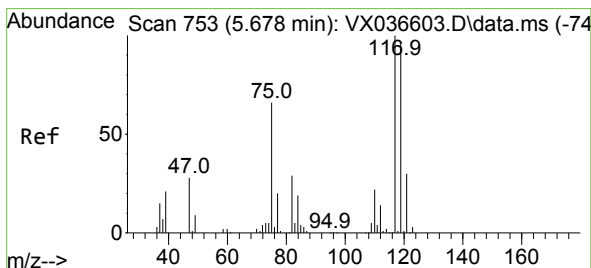
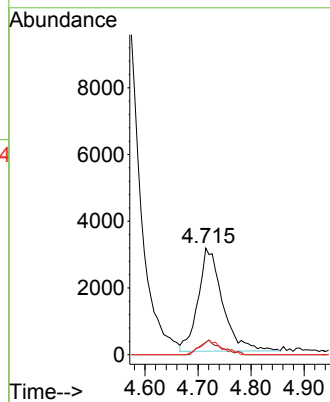
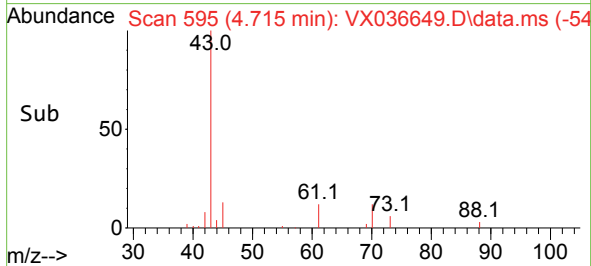
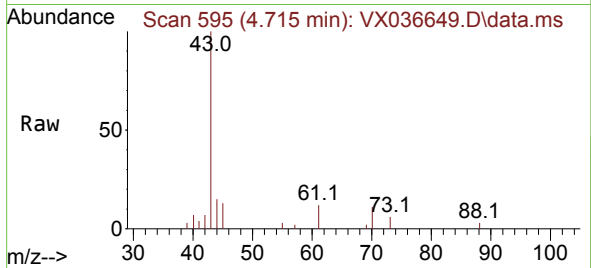




#37
Ethyl Acetate
Concen: 2.997 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

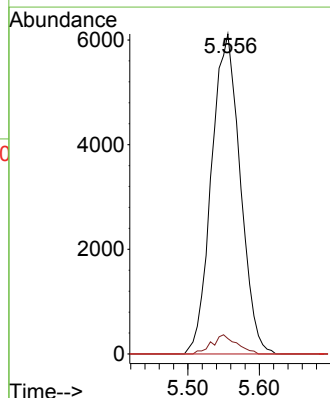
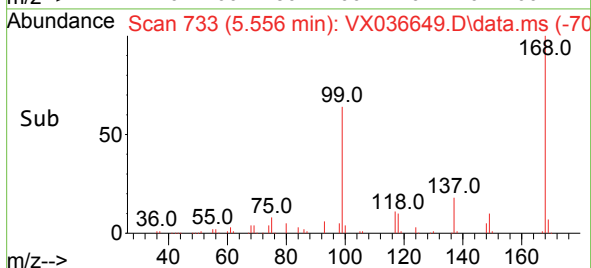
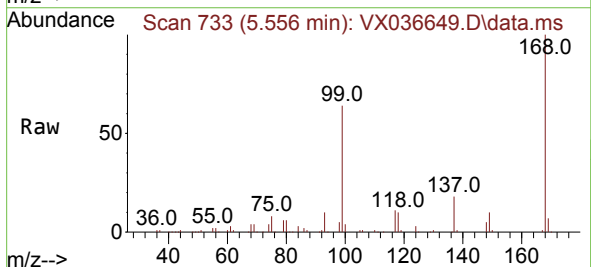
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

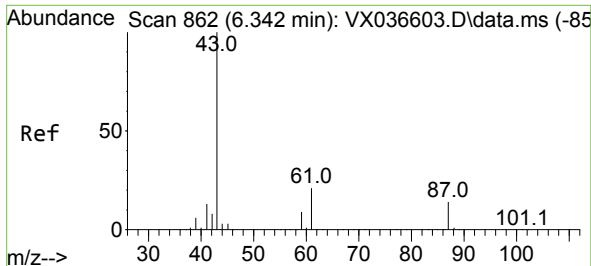
Tgt Ion:	43	Resp:	9887
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.6	16.0
70	12.3	8.3	12.5



#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion:	117	Resp:	17064
Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.2#
121	0.0	24.4	36.6#

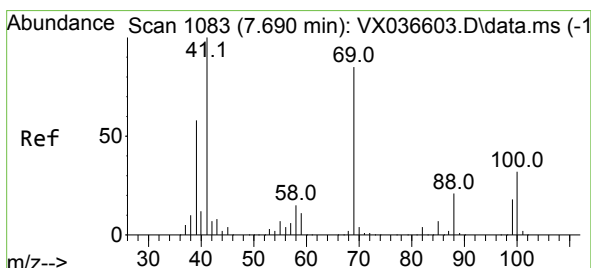
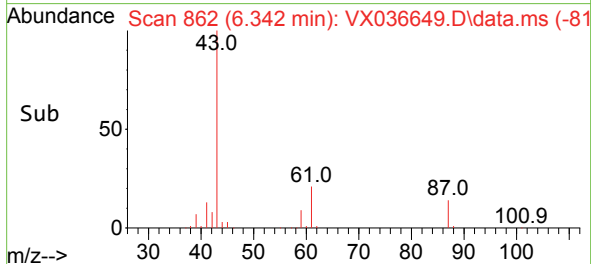
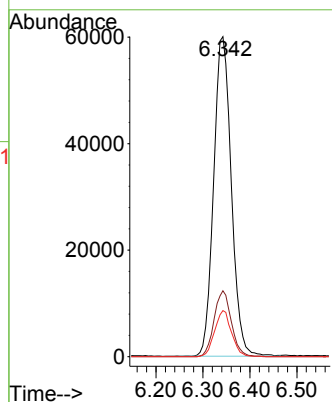
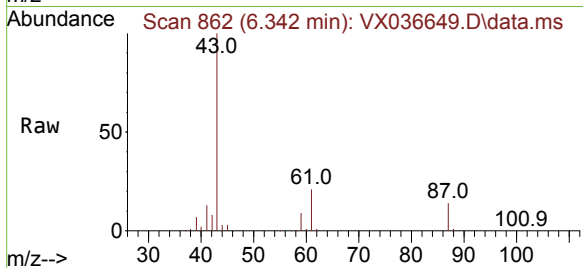




#43
Isopropyl Acetate
Concen: 27.617 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

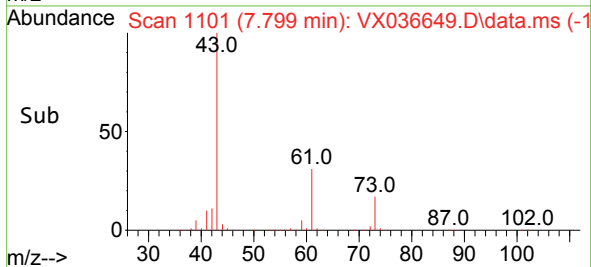
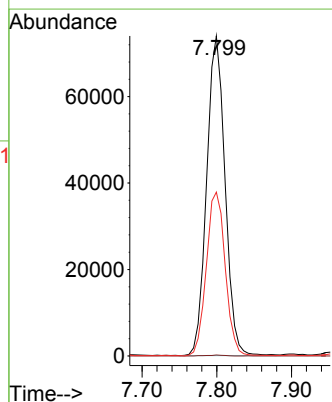
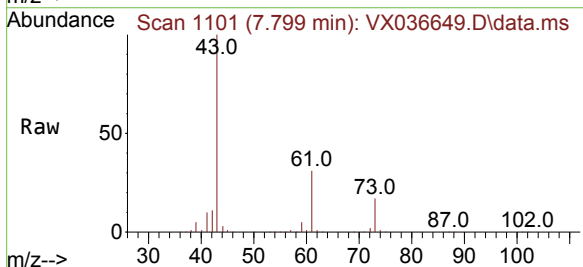
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

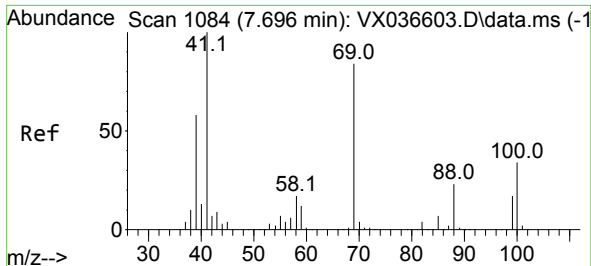
Tgt Ion: 43 Resp: 156847
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 13.8 9.8 14.6



#48
Methyl methacrylate
Concen: 47.885 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 41 Resp: 126477
Ion Ratio Lower Upper
41 100
69 0.3 59.2 88.8#
39 52.8 47.7 71.5





#49

1,4-Dioxane

Concen: 4.011 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX036649.D

Acq: 25 Jul 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#02

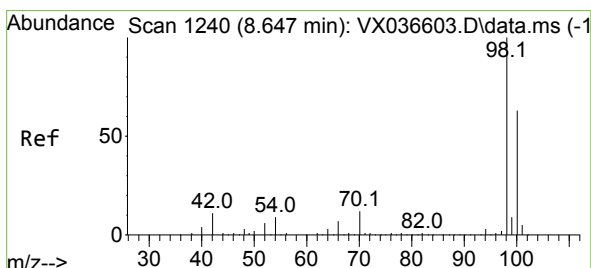
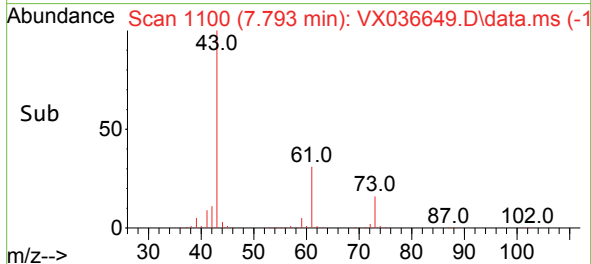
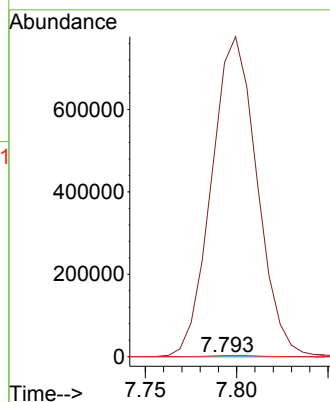
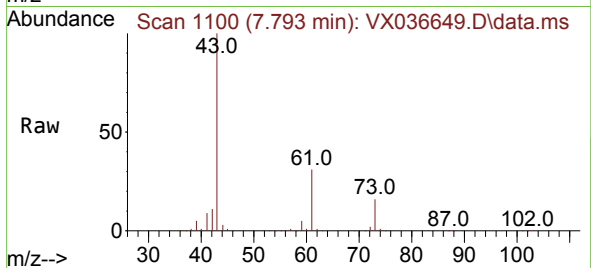
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 632648.6 0.0 0.0#

58 2563.6 60.1 90.1#



#50

Toluene-d8

Concen: 48.939 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036649.D

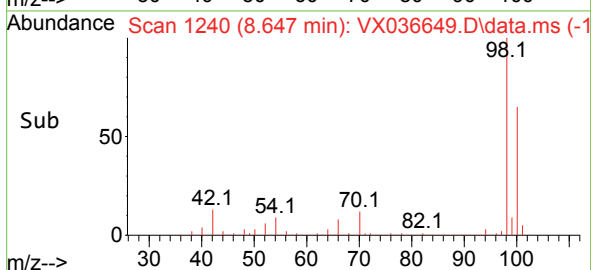
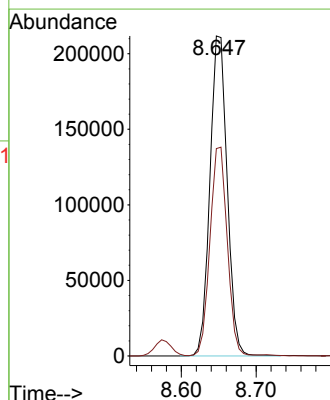
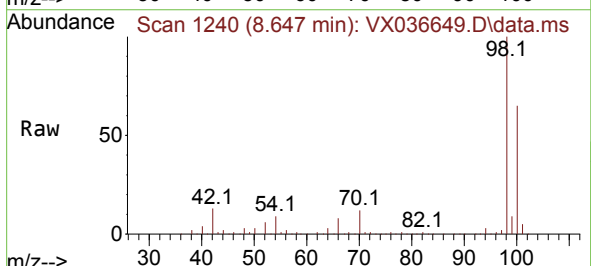
Acq: 25 Jul 2023 13:18

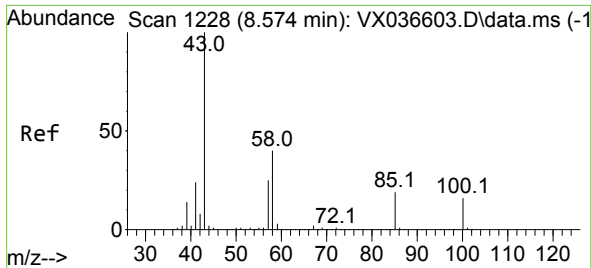
Tgt Ion: 98 Resp: 339413

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7

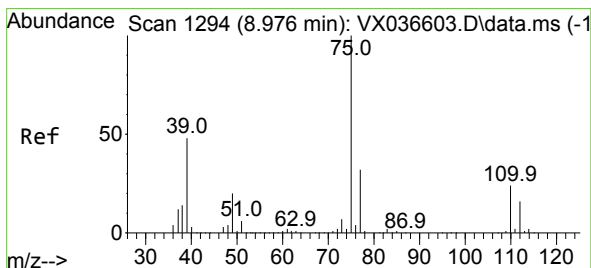
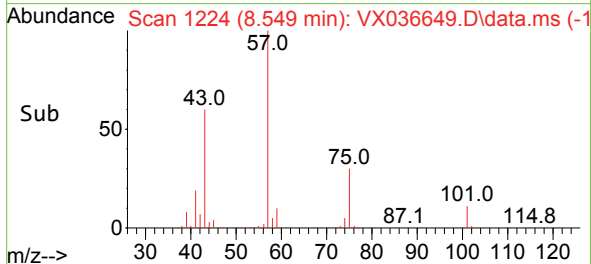
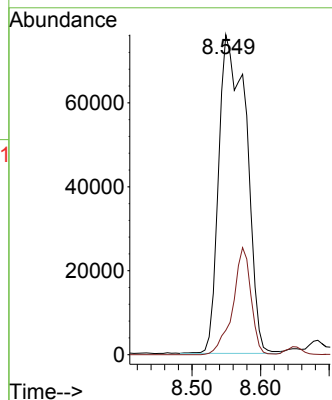
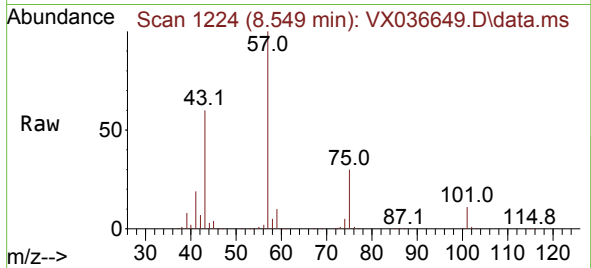




#51
4-Methyl-2-Pentanone
Concen: 67.047 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

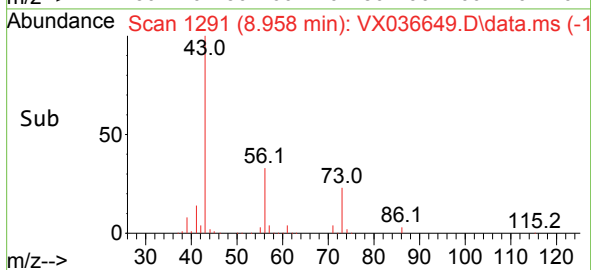
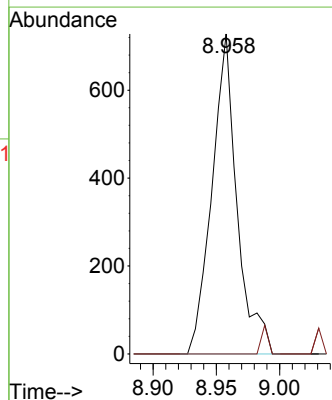
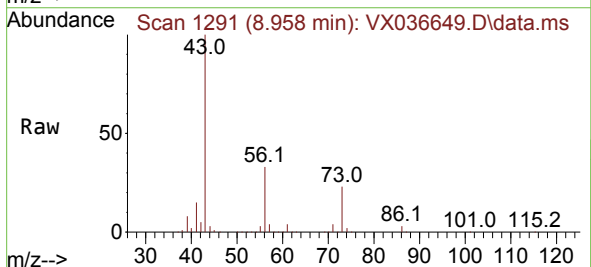
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

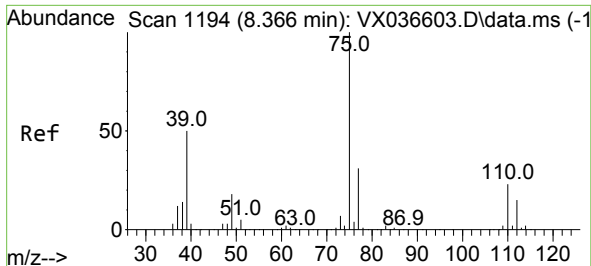
Tgt Ion: 43 Resp: 210727
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 75 Resp: 1003
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

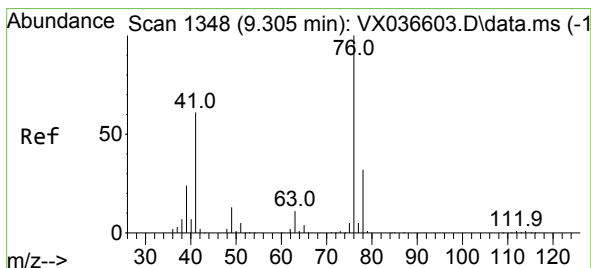
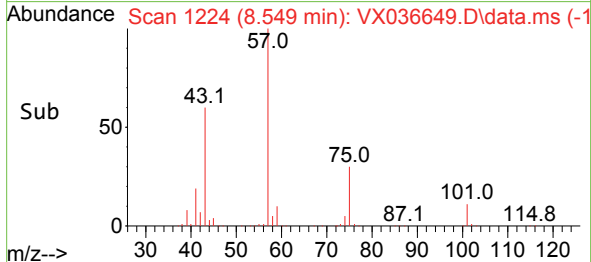
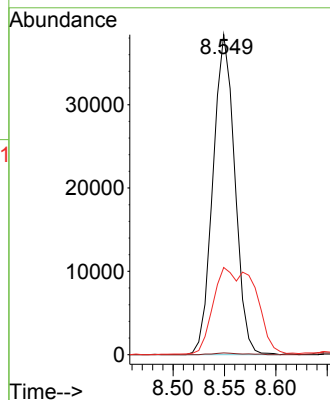
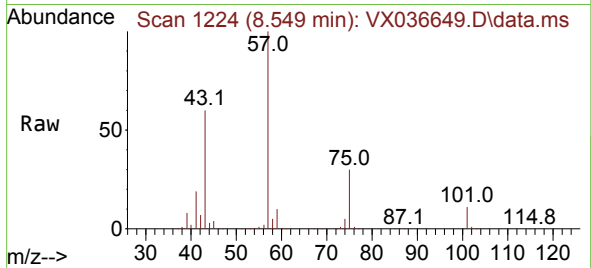




#54
 cis-1,3-Dichloropropene
 Concen: 14.615 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036649.D
 Acq: 25 Jul 2023 13:18

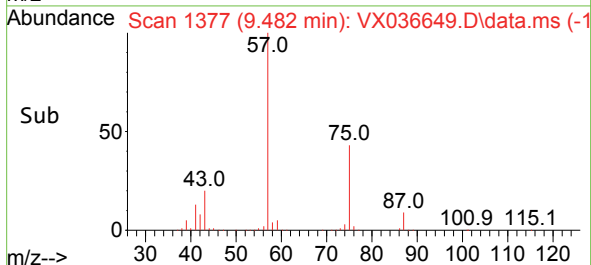
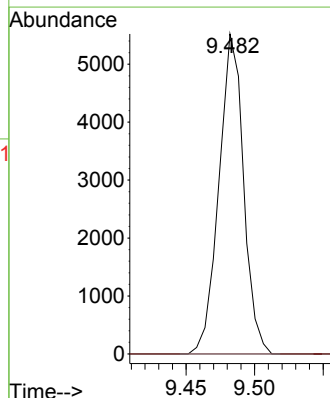
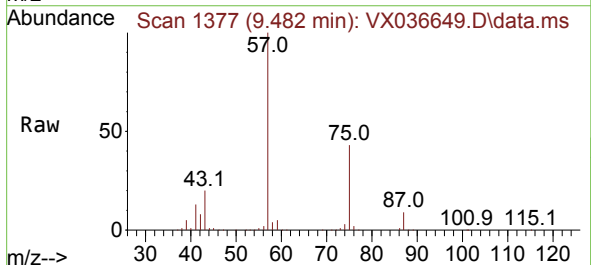
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#02

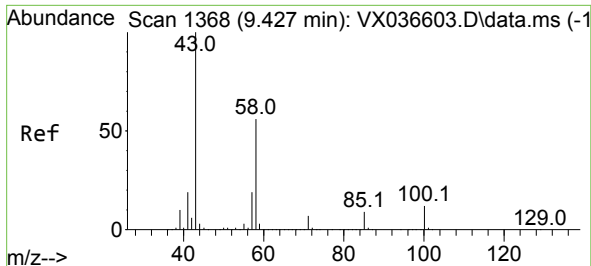
Tgt Ion: 75 Resp: 56702
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 27.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.852 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036649.D
 Acq: 25 Jul 2023 13:18

Tgt Ion: 76 Resp: 6889
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

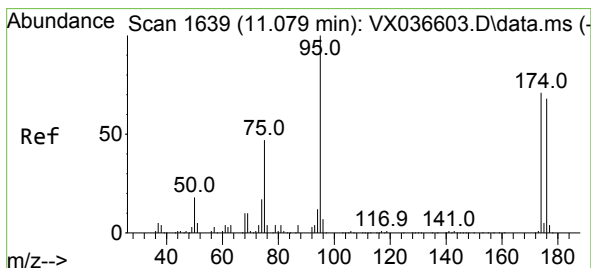
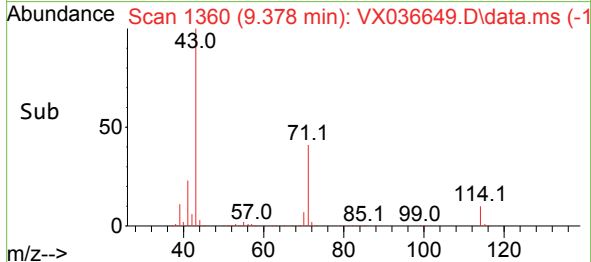
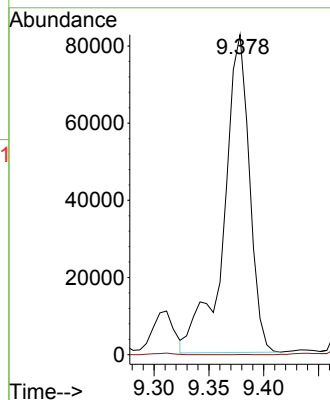
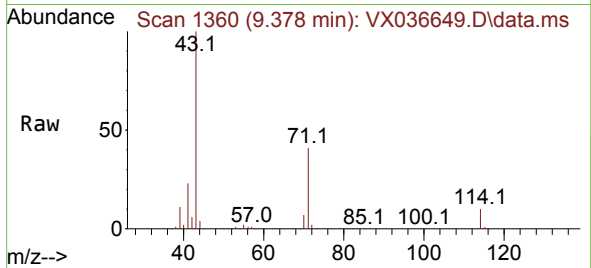




#59
2-Hexanone
Concen: 57.358 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

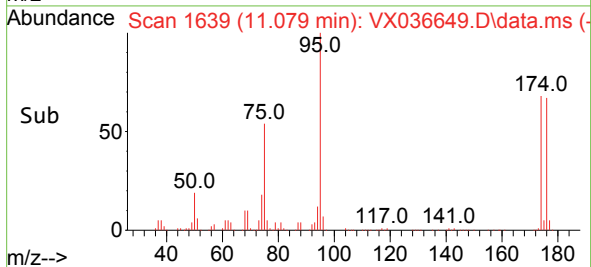
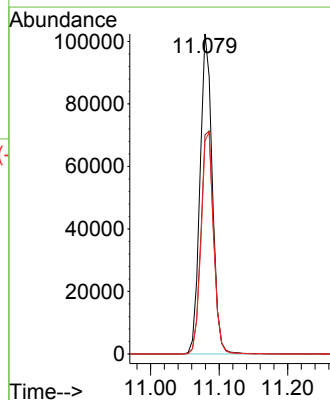
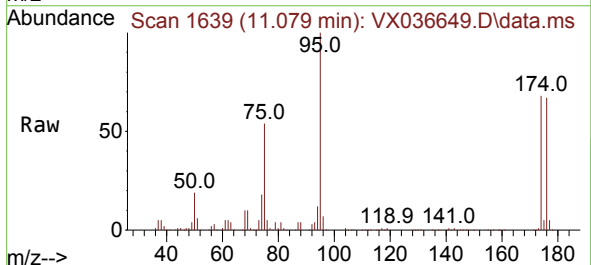
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

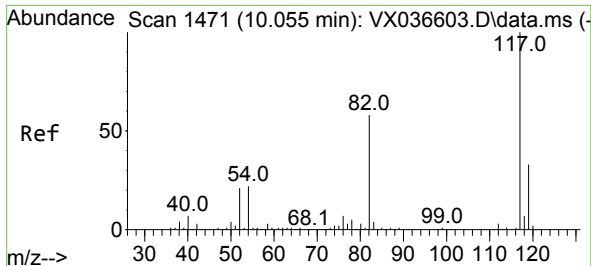
Tgt Ion: 43 Resp: 133792
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.944 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion: 95 Resp: 128068
Ion Ratio Lower Upper
95 100
174 72.1 0.0 135.6
176 70.1 0.0 131.0

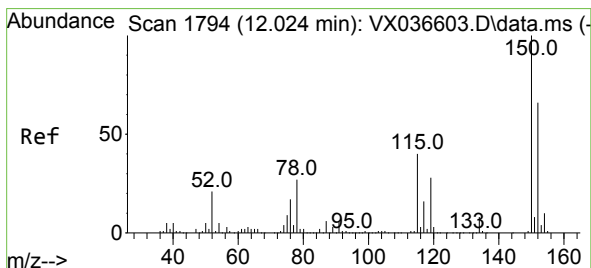
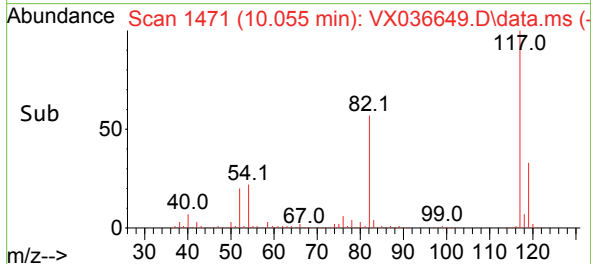
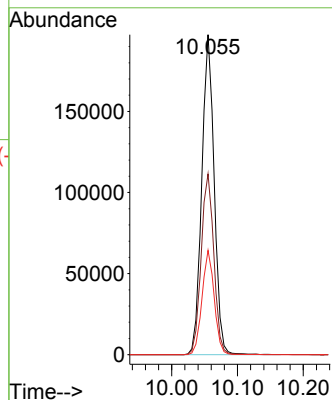
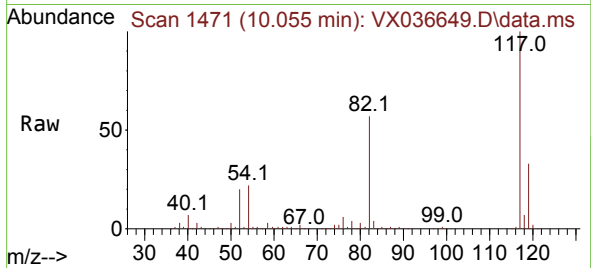




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

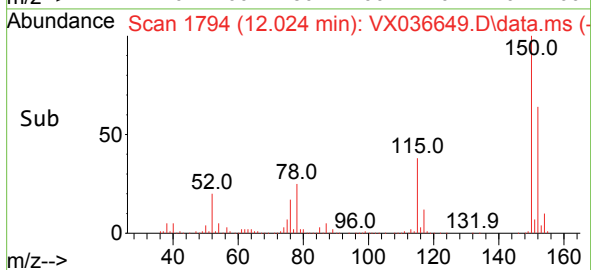
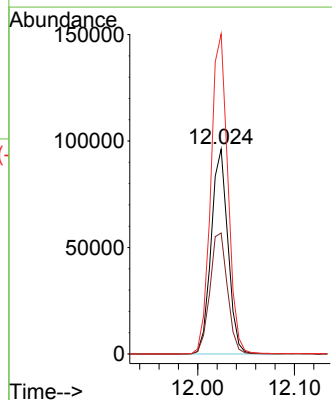
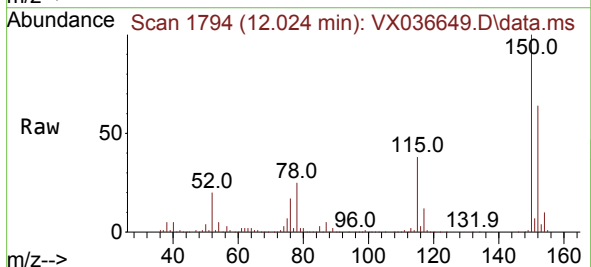
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#02

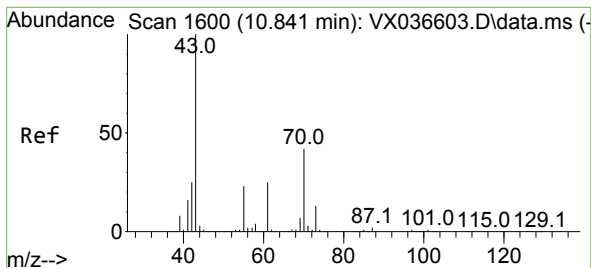
Tgt Ion:117 Resp: 257952
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036649.D
Acq: 25 Jul 2023 13:18

Tgt Ion:152 Resp: 115976
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 158.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.225 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036649.D

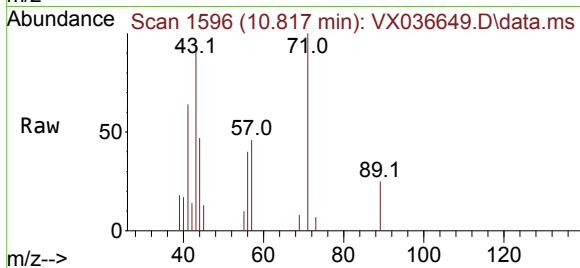
Acq: 25 Jul 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#02



Tgt Ion: 43 Resp: 1006

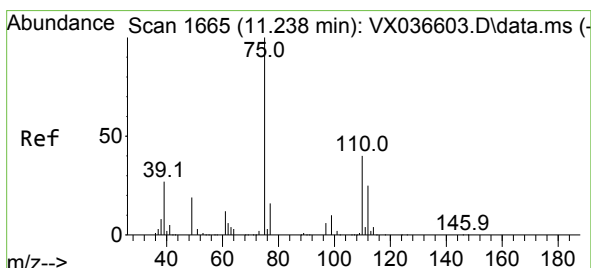
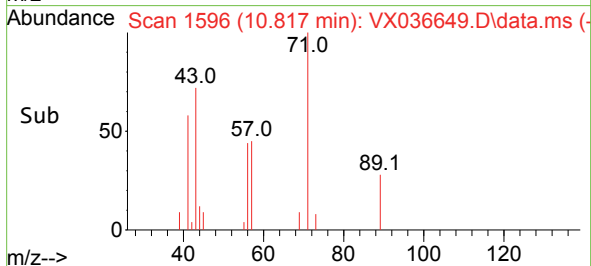
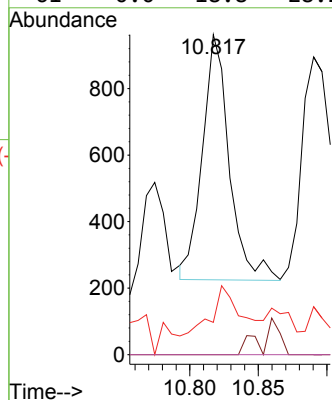
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 30.1 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036649.D

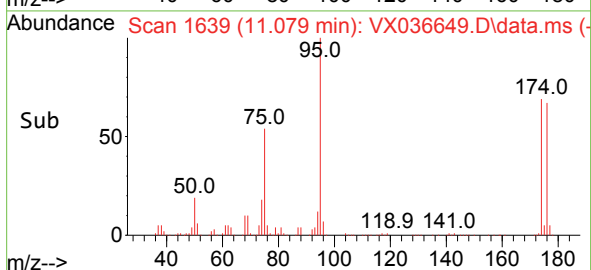
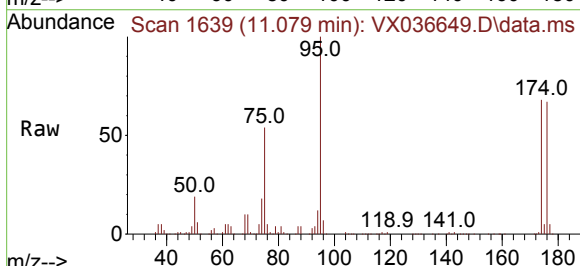
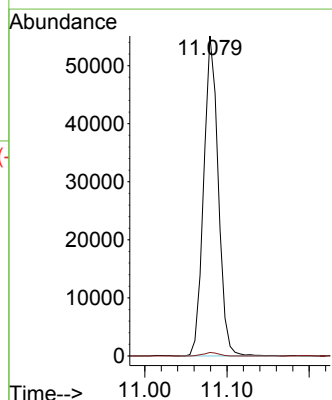
Acq: 25 Jul 2023 13:18

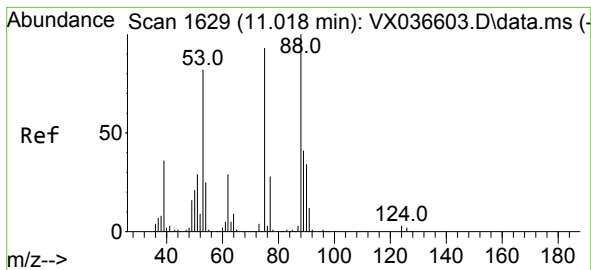
Tgt Ion: 75 Resp: 67746

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.289 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036649.D
 Acq: 25 Jul 2023 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#02

Tgt Ion: 75 Resp: 67746
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

