

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
 Data File : VX036648.D
 Acq On : 25 Jul 2023 12:55
 Operator : JC/MD
 Sample : PB154393ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#01

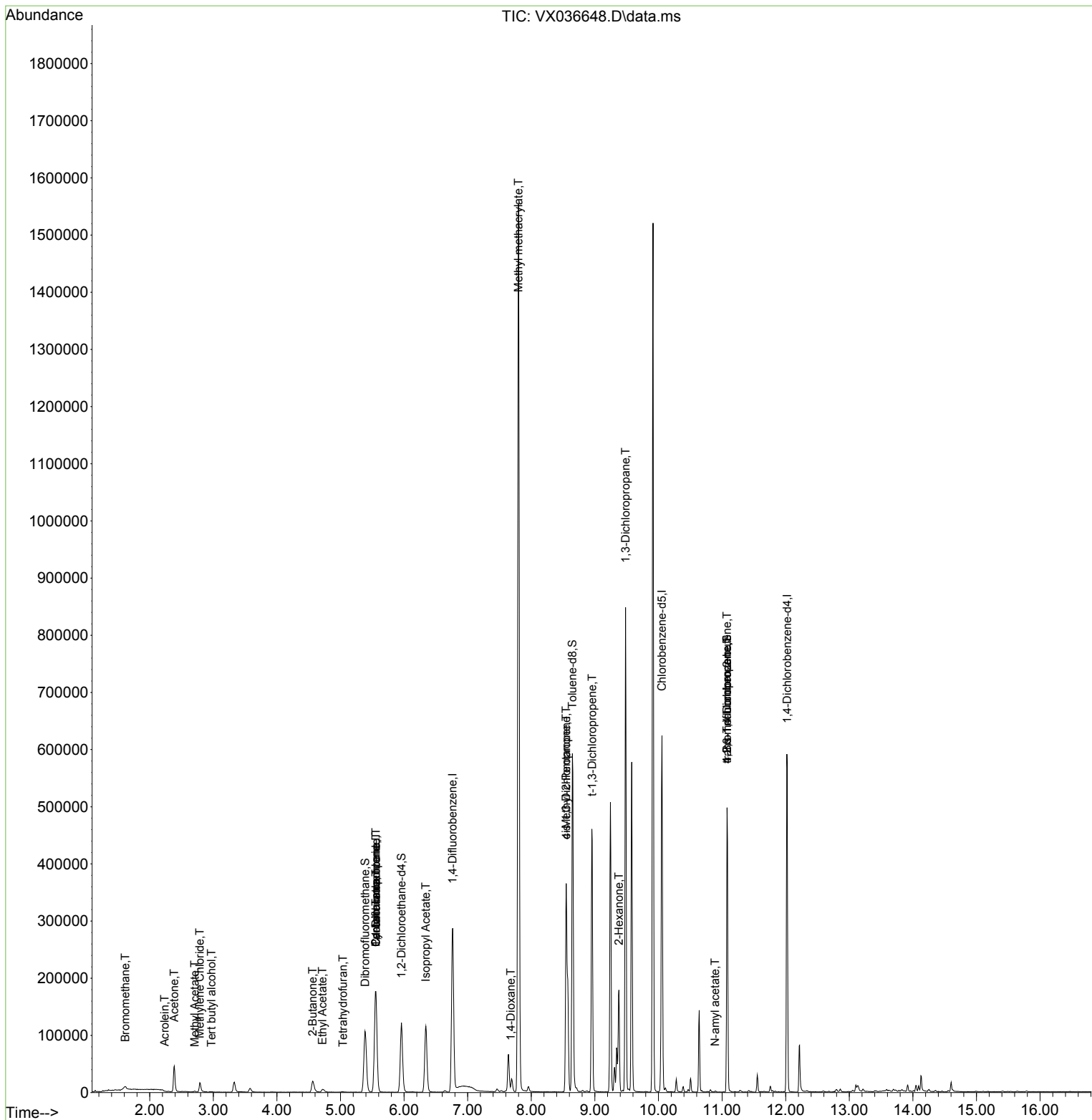
Quant Time: Jul 26 06:24:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

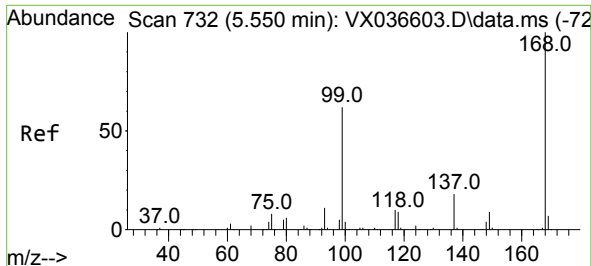
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	166593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	291395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109940	44.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.200%		
35) Dibromofluoromethane	5.385	113	93330	46.598	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.200%		
50) Toluene-d8	8.647	98	351606	49.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	132692	49.517	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.040%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	284	0.233	ug/l #	43
11) Tert butyl alcohol	2.971	59	853	1.462	ug/l #	95
13) Acrolein	2.233	56	91	0.273	ug/l #	14
16) Acetone	2.386	43	52192	51.025	ug/l	92
18) Methyl Acetate	2.709	43	2186	0.508	ug/l	92
20) Methylene Chloride	2.788	84	8584	3.773	ug/l	90
25) 2-Butanone	4.562	43	35098	21.149	ug/l	96
29) Tetrahydrofuran	5.038	42	981	0.917	ug/l #	76
31) Cyclohexane	5.556	56	4003	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13539	4.535	ug/l #	51
37) Ethyl Acetate	4.715	43	9343	2.765	ug/l	97
38) Carbon Tetrachloride	5.556	117	17633	5.556	ug/l #	15
43) Isopropyl Acetate	6.342	43	161802	27.819	ug/l	97
48) Methyl methacrylate	7.799	41	129917	48.030	ug/l #	47
49) 1,4-Dioxane	7.677	88	25	0.458	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	215056	66.814	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	1046	0.278	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	58549	14.736	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	7246	1.902	ug/l #	43
59) 2-Hexanone	9.378	43	137125	57.403	ug/l #	26
74) N-amyl acetate	10.890	43	1120	0.240	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	68915	24.207	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	68915	54.867	ug/l #	5

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

Quant Time: Jul 26 06:24:10 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

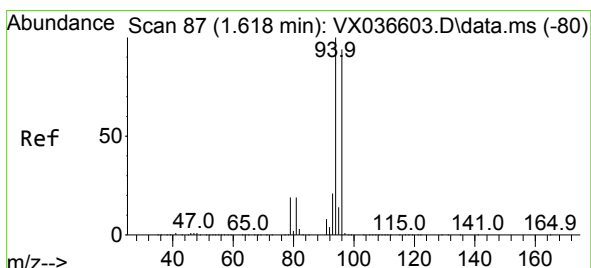
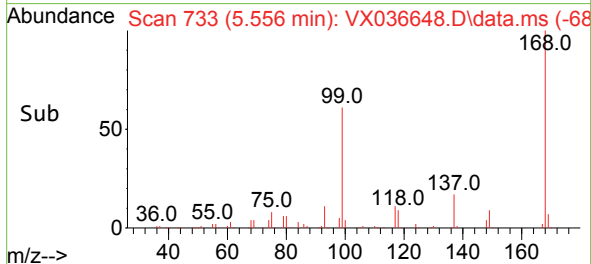
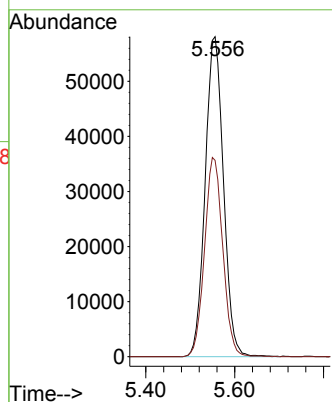
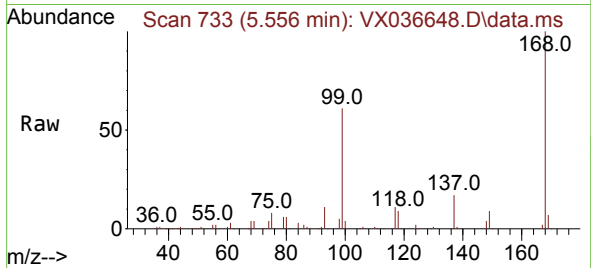




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

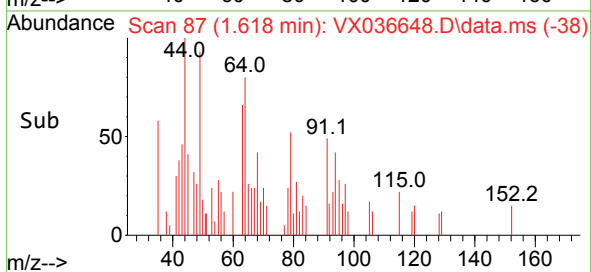
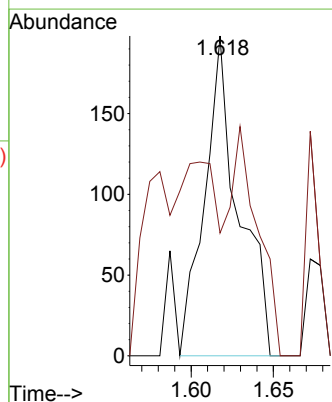
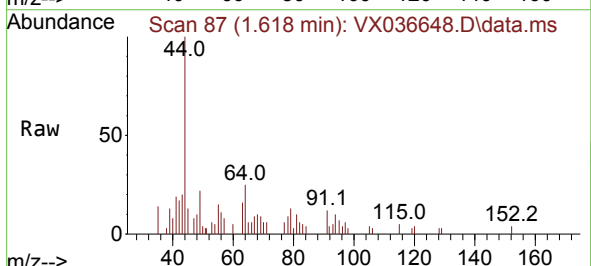
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

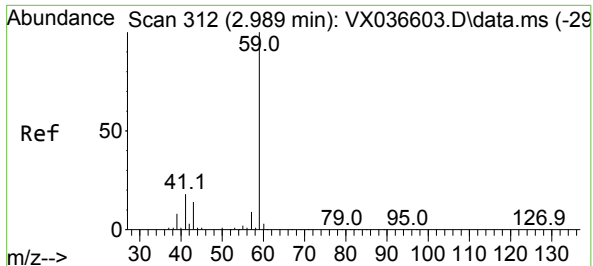
Tgt Ion:168 Resp: 166593
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 38.4 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.462 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX036648.D

Acq: 25 Jul 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

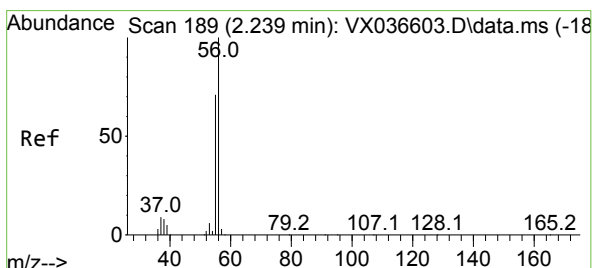
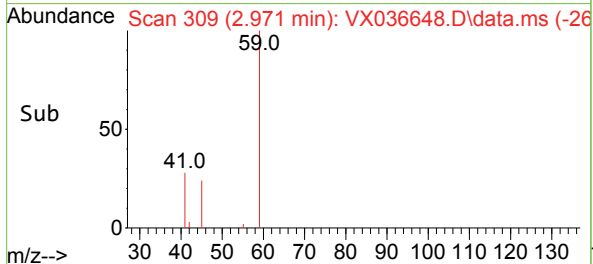
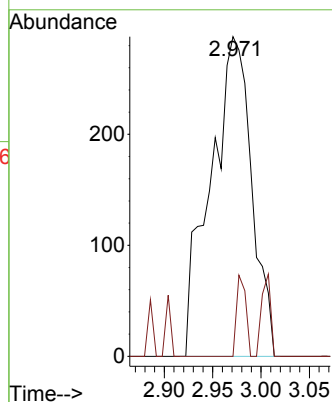
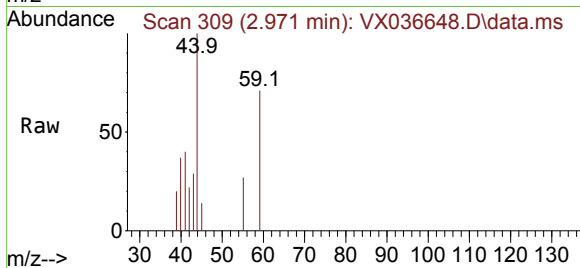
PB154393ZHE#01

Tgt Ion: 59 Resp: 853

Ion Ratio Lower Upper

59 100

57 5.6 6.0 9.0#



#13

Acrolein

Concen: 0.273 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX036648.D

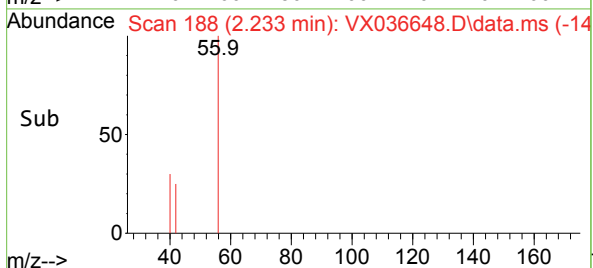
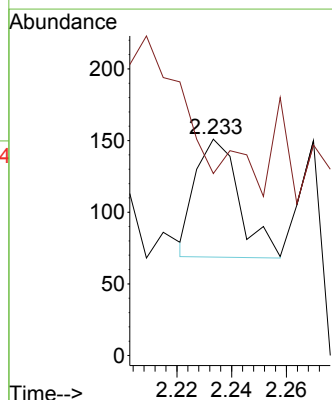
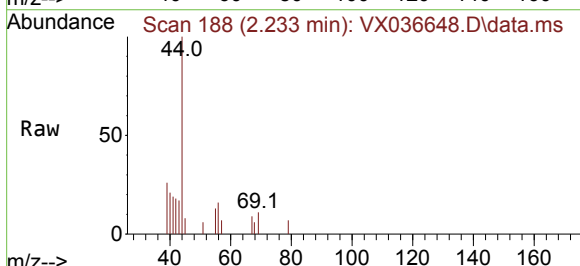
Acq: 25 Jul 2023 12:55

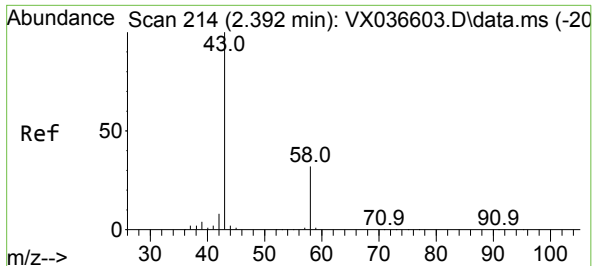
Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

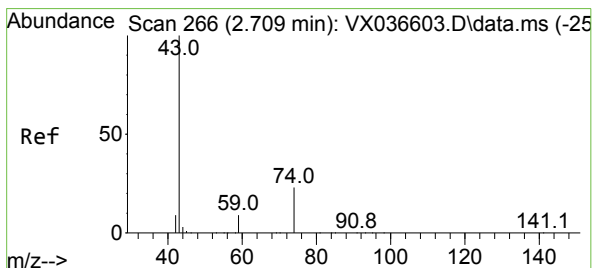
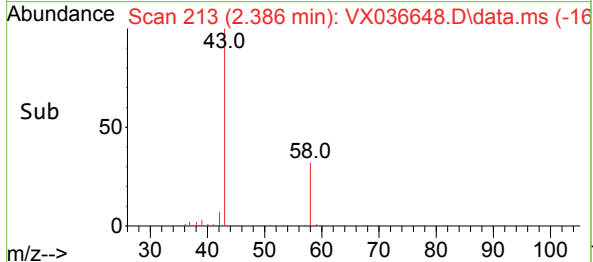
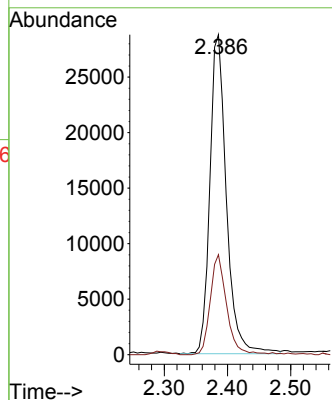
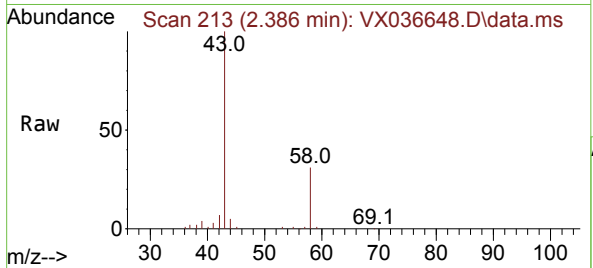




#16
Acetone
Concen: 51.025 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

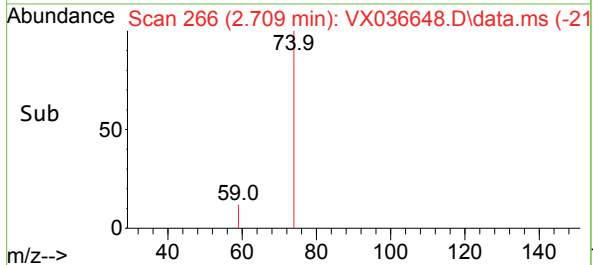
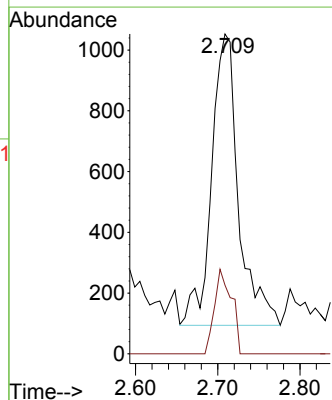
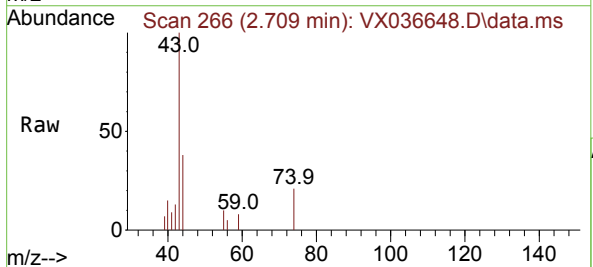
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

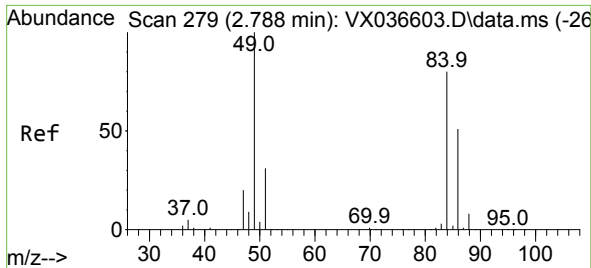
Tgt Ion: 43 Resp: 52192
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9



#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

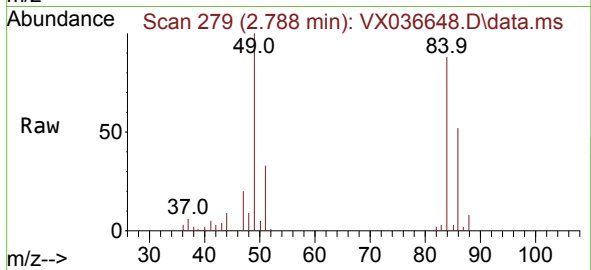
Tgt Ion: 43 Resp: 2186
Ion Ratio Lower Upper
43 100
74 18.5 17.8 26.8



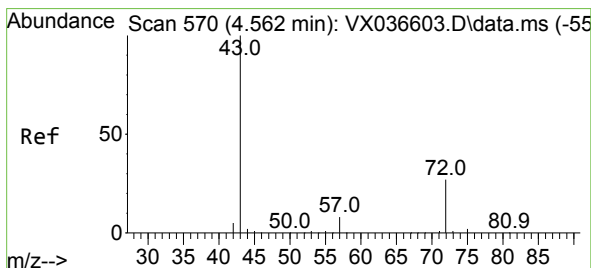
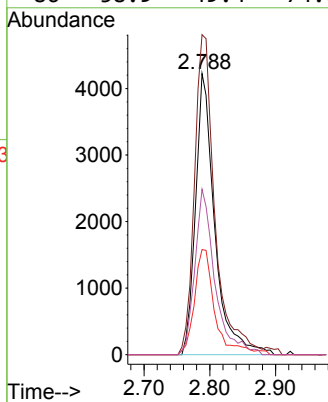
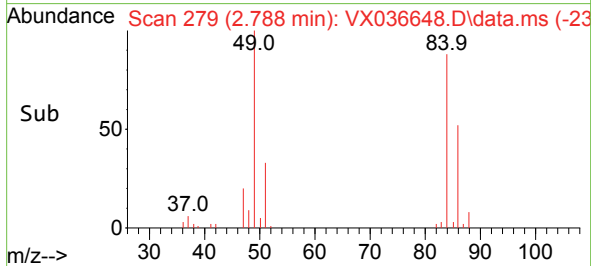


#20
Methylene Chloride
Concen: 3.773 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

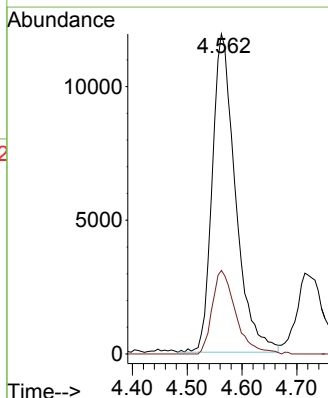
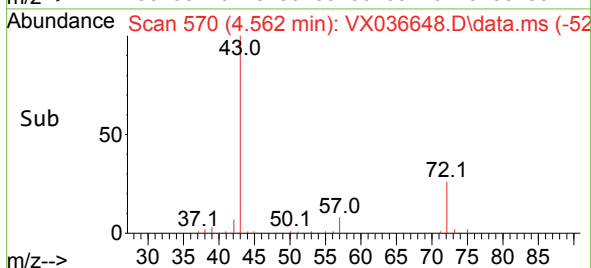
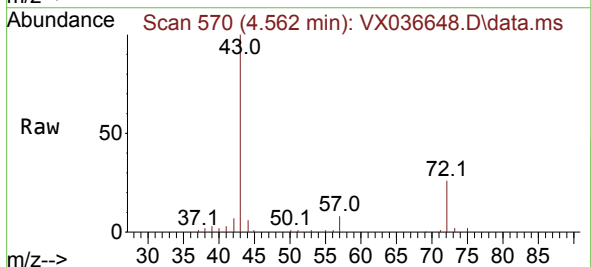


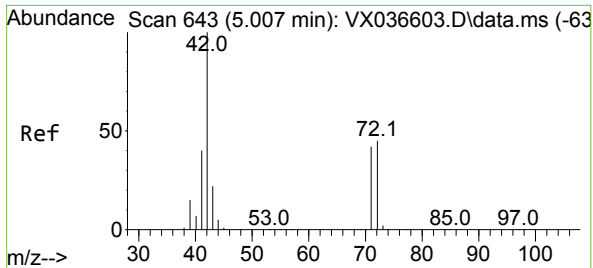
Tgt Ion:	84	Resp:	8584
Ion	Ratio	Lower	Upper
84	100		
49	113.8	103.6	155.4
51	37.4	33.8	50.6
86	58.9	49.4	74.0



#25
2-Butanone
Concen: 21.149 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion:	43	Resp:	35098
Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.917 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX036648.D

Acq: 25 Jul 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#01

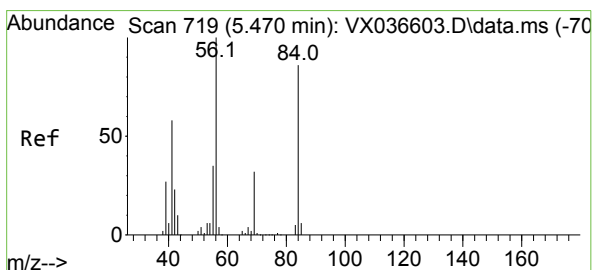
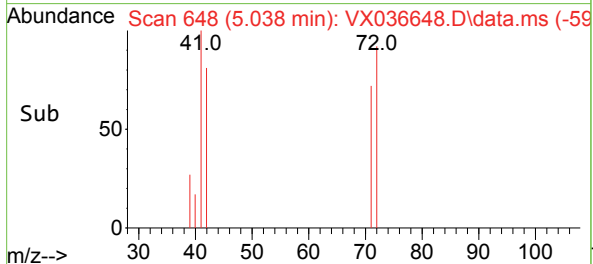
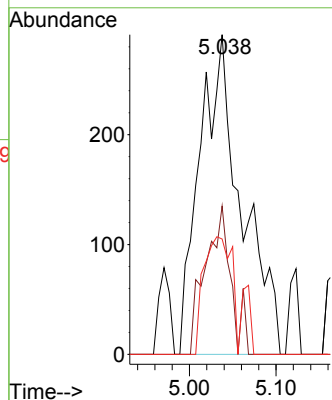
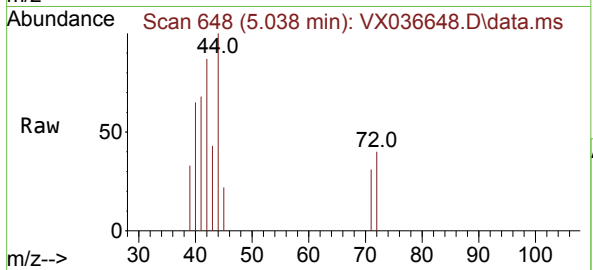
Tgt Ion: 42 Resp: 981

Ion Ratio Lower Upper

42 100

72 28.1 34.2 51.4#

71 24.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX036648.D

Acq: 25 Jul 2023 12:55

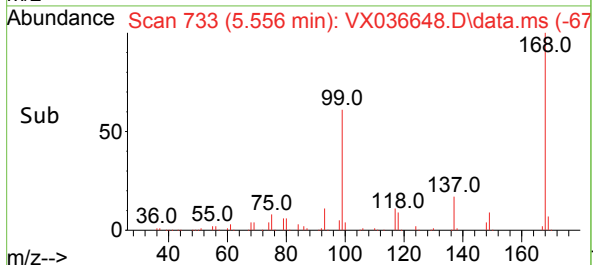
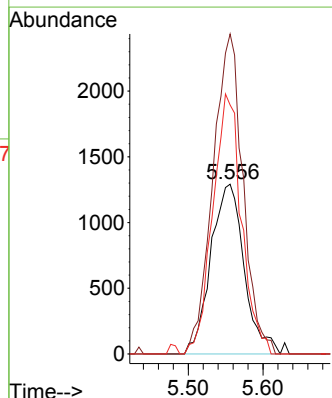
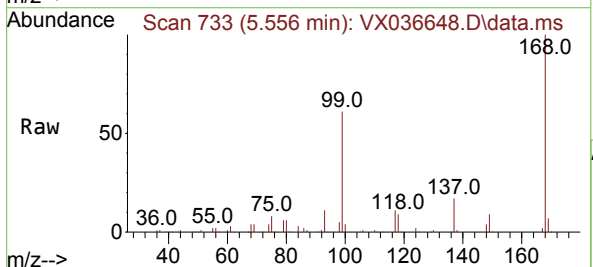
Tgt Ion: 56 Resp: 4003

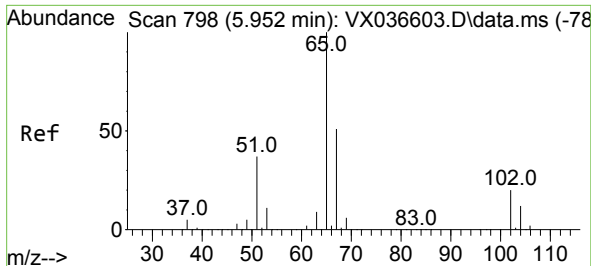
Ion Ratio Lower Upper

56 100

69 188.5 23.4 35.2#

84 146.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.601 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036648.D

Acq: 25 Jul 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

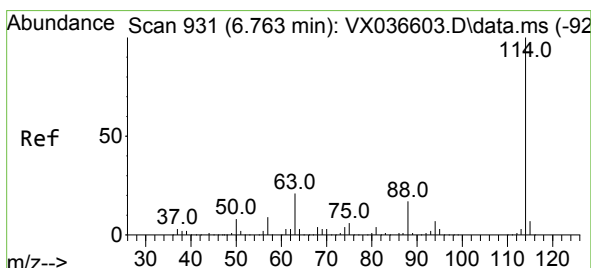
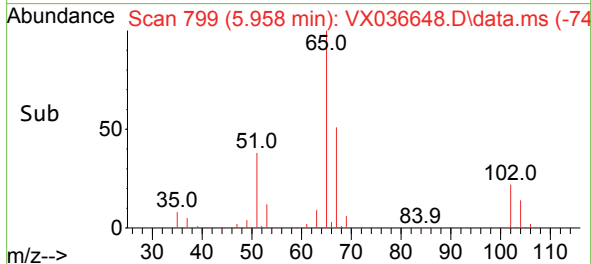
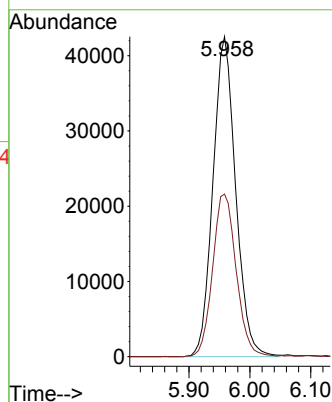
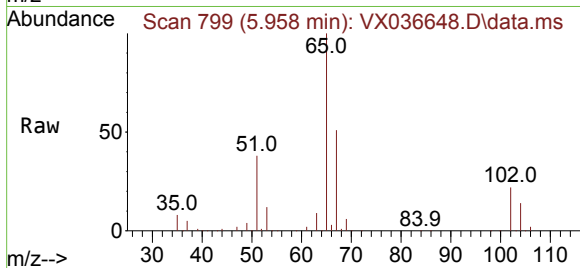
PB154393ZHE#01

Tgt Ion: 65 Resp: 109940

Ion Ratio Lower Upper

65 100

67 52.8 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: VX036648.D

Acq: 25 Jul 2023 12:55

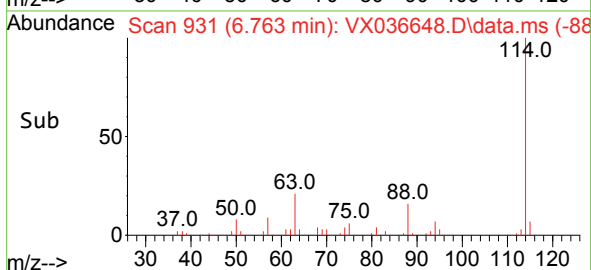
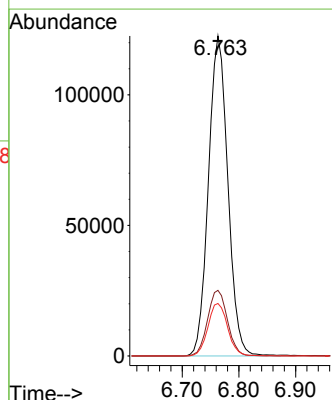
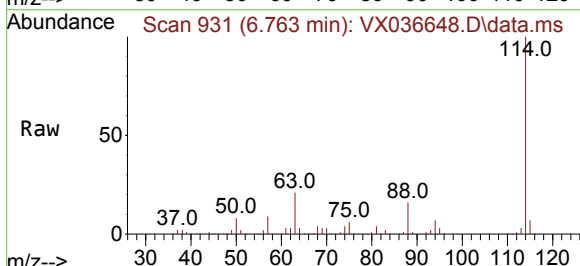
Tgt Ion: 114 Resp: 291395

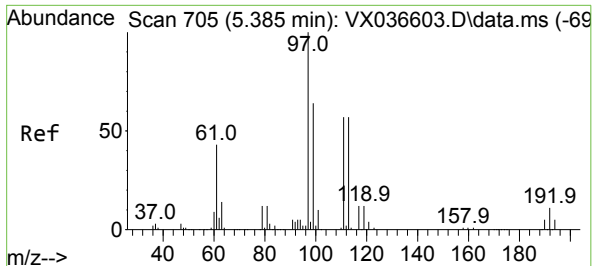
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 16.4 0.0 36.6

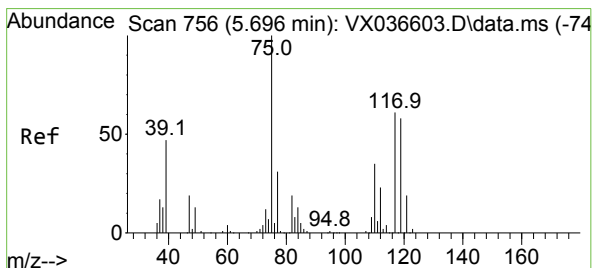
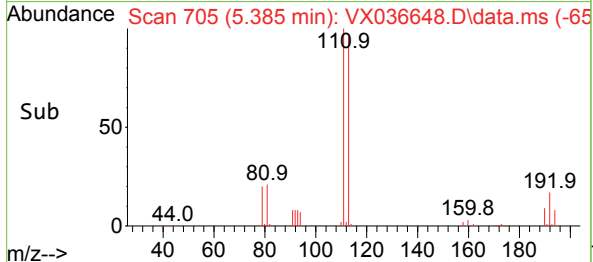
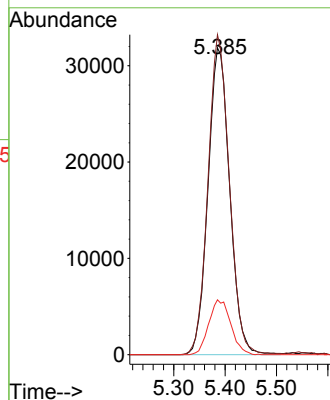
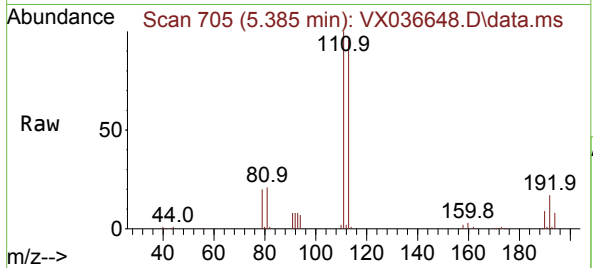




#35
Dibromofluoromethane
Concen: 46.598 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

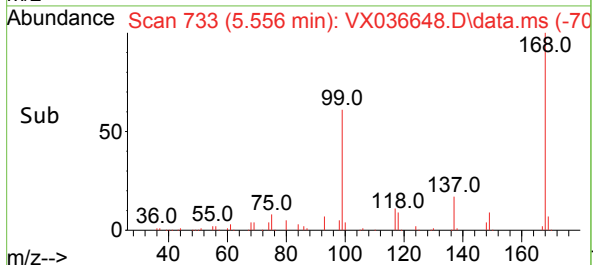
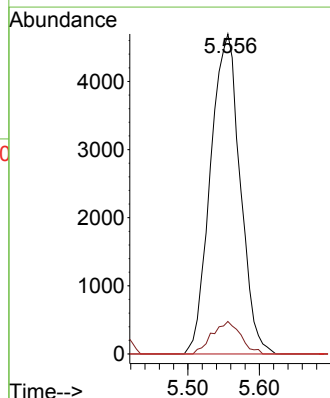
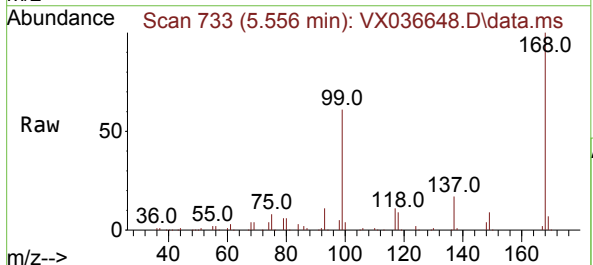
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

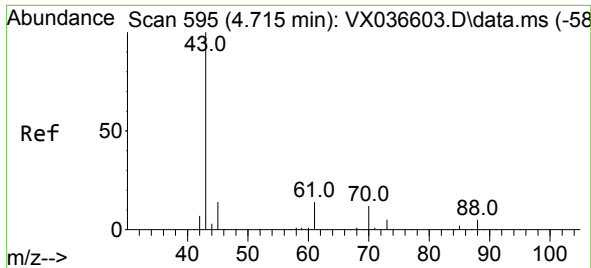
Tgt Ion:113 Resp: 93330
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.535 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion: 75 Resp: 13539
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#

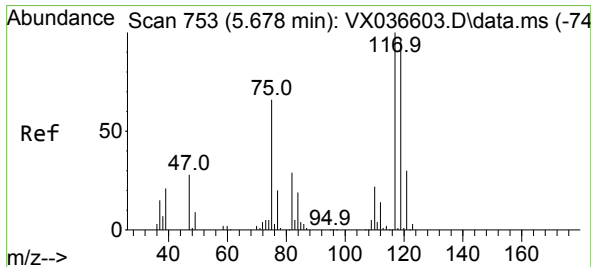
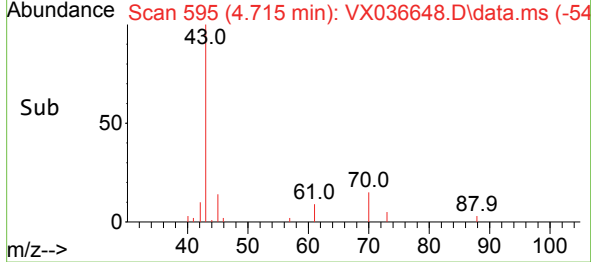
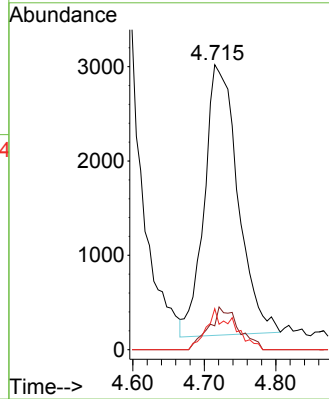
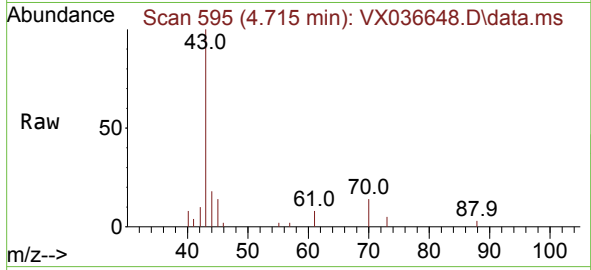




#37
Ethyl Acetate
Concen: 2.765 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

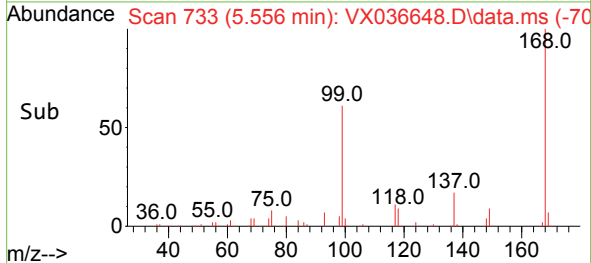
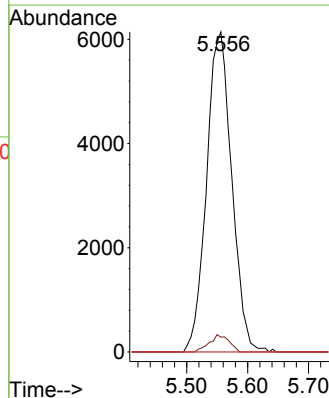
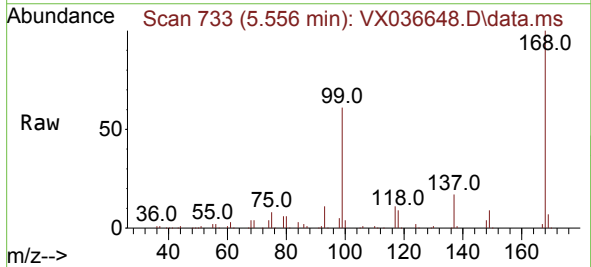
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

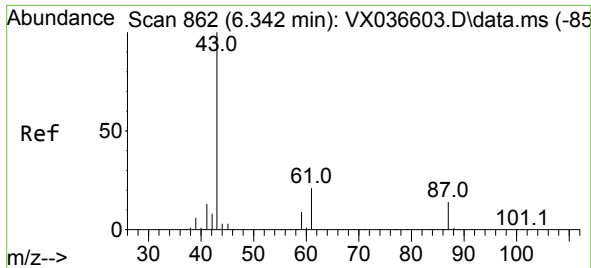
Tgt Ion: 43	Resp: 9343
Ion Ratio	Lower Upper
43 100	
61 14.0	10.6 16.0
70 12.3	8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt	Ion:117	Resp:	17633
Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.2	117.2#
121	0.0	24.4	36.6#

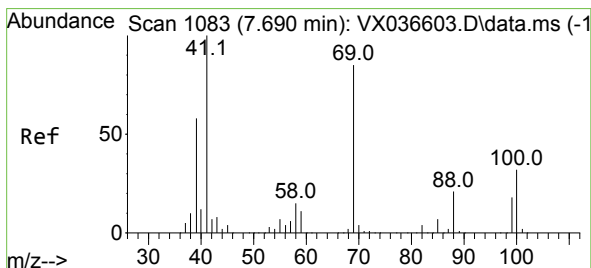
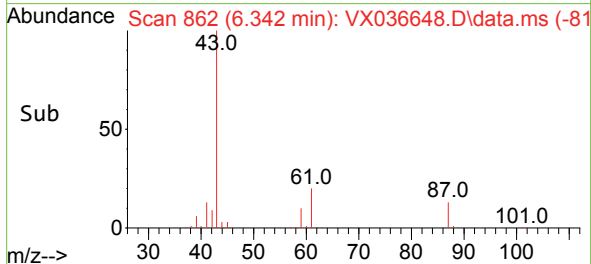
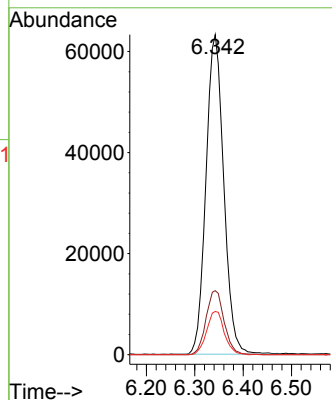
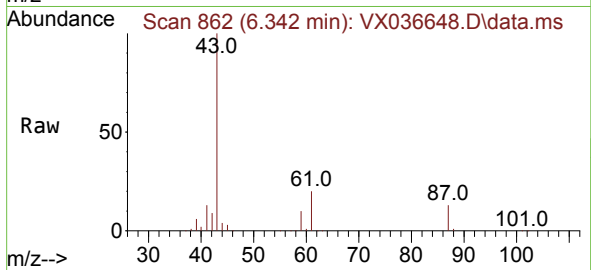




#43
Isopropyl Acetate
Concen: 27.819 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

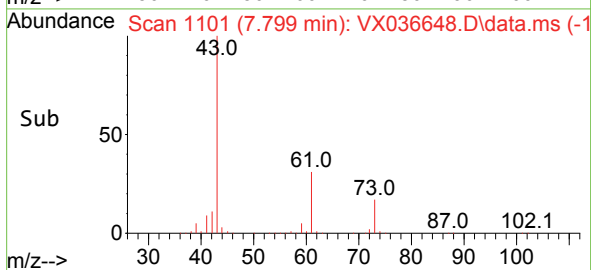
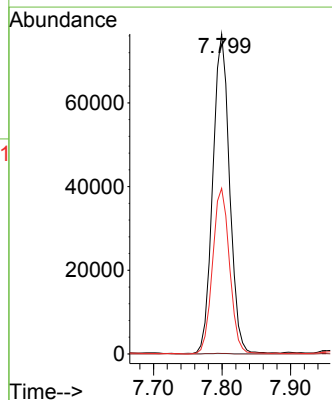
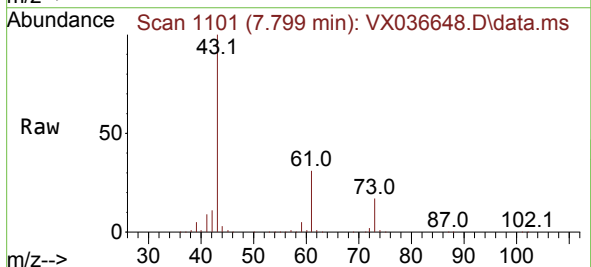
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

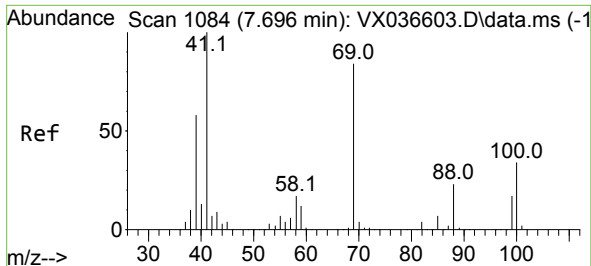
Tgt Ion: 43 Resp: 161802
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 48.030 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion: 41 Resp: 129917
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 52.5 47.7 71.5





#49

1,4-Dioxane

Concen: 0.458 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. -0.018 min

Lab File: VX036648.D

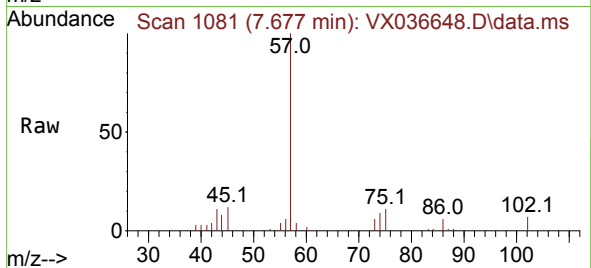
Acq: 25 Jul 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#01



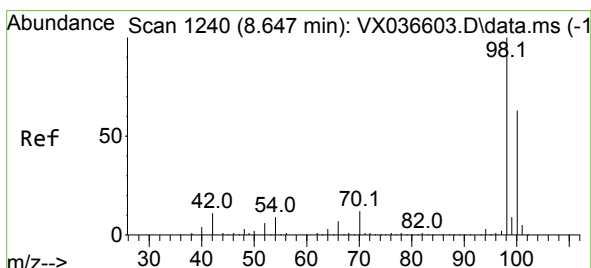
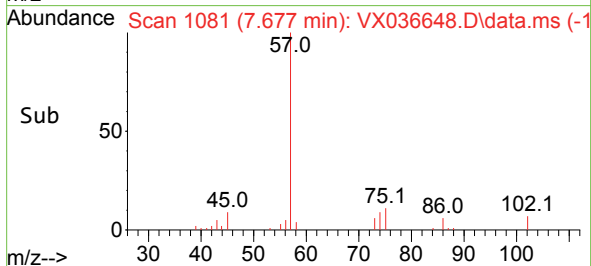
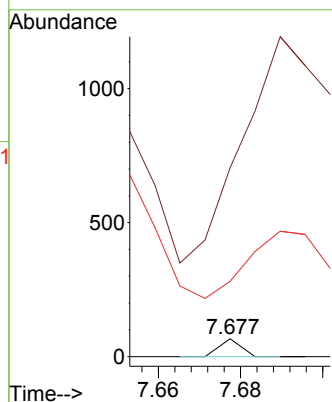
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 3220.0 60.1 90.1#



#50

Toluene-d8

Concen: 49.503 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036648.D

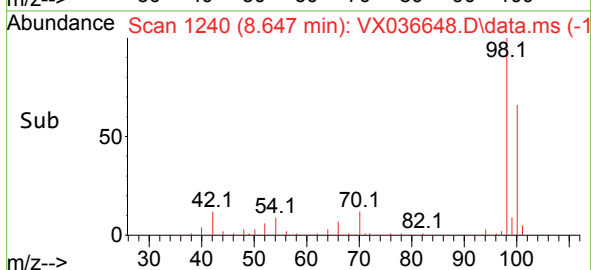
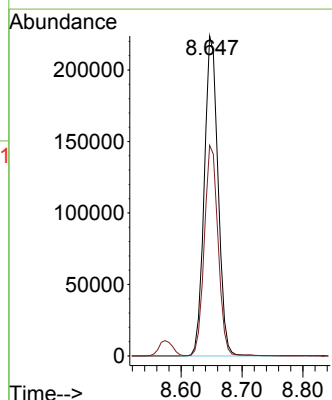
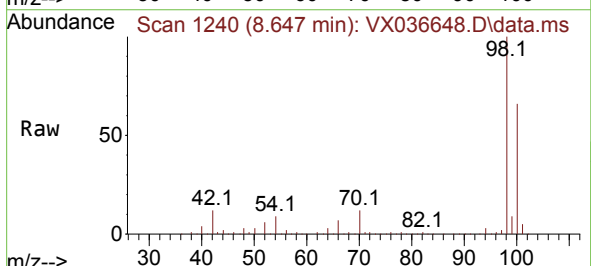
Acq: 25 Jul 2023 12:55

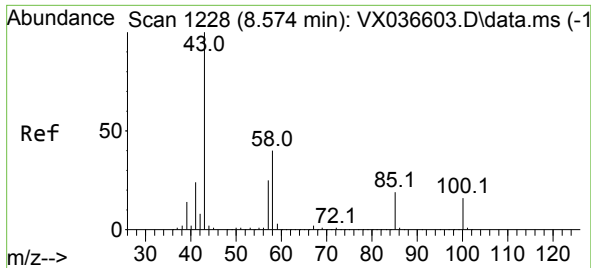
Tgt Ion: 98 Resp: 351606

Ion Ratio Lower Upper

98 100

100 65.3 53.1 79.7

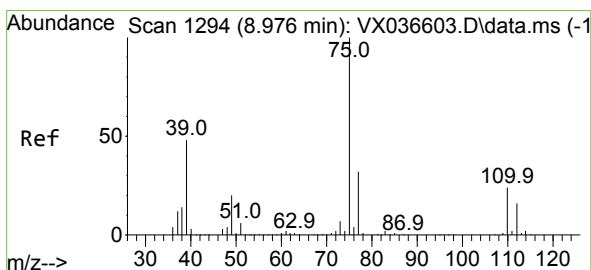
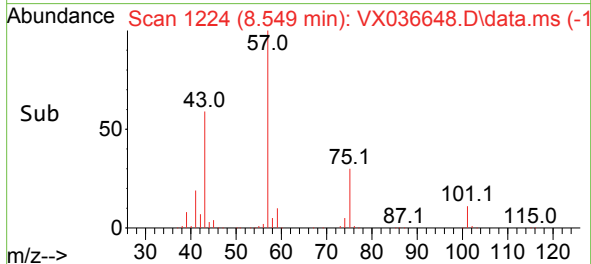
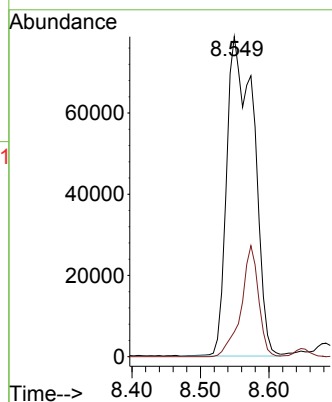
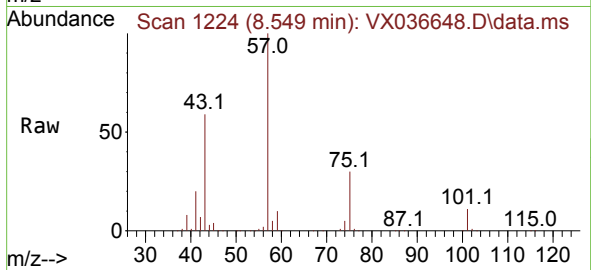




#51
4-Methyl-2-Pentanone
Concen: 66.814 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

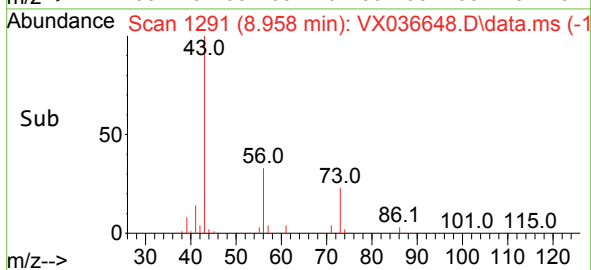
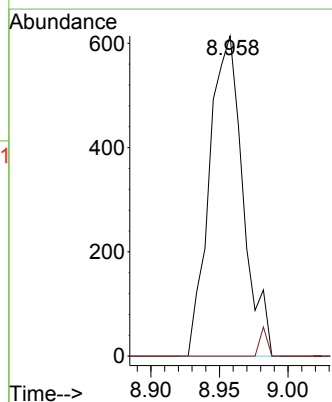
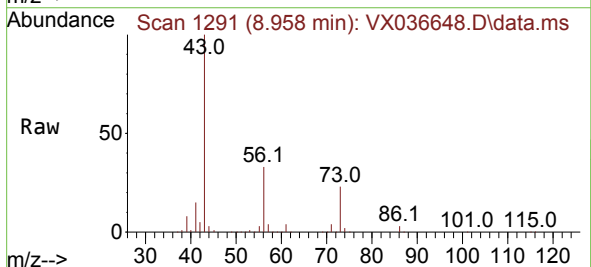
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

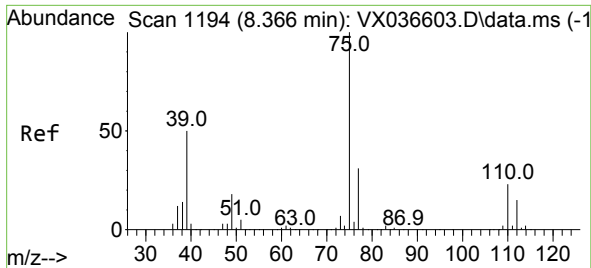
Tgt Ion: 43 Resp: 215056
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion: 75 Resp: 1046
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

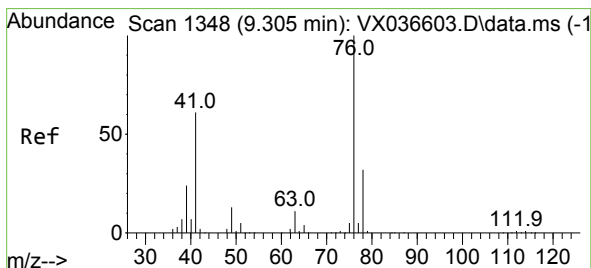
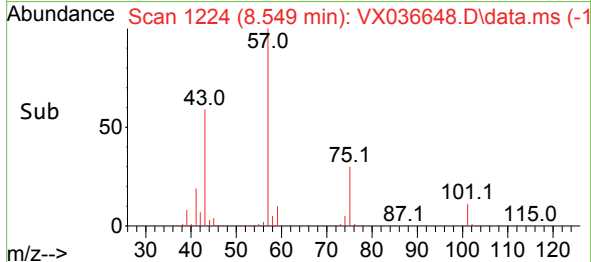
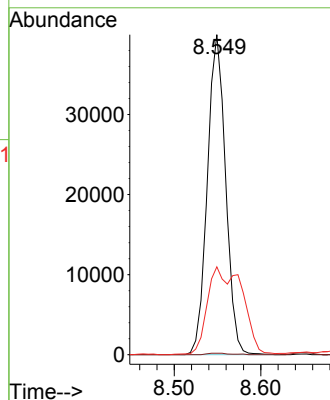
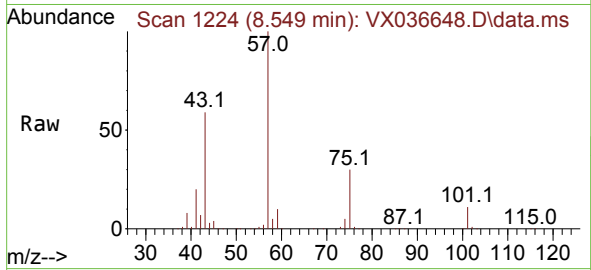




#54
 cis-1,3-Dichloropropene
 Concen: 14.736 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036648.D
 Acq: 25 Jul 2023 12:55

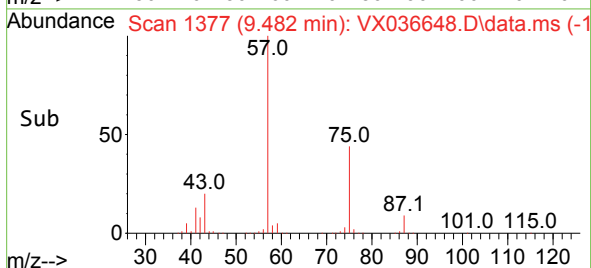
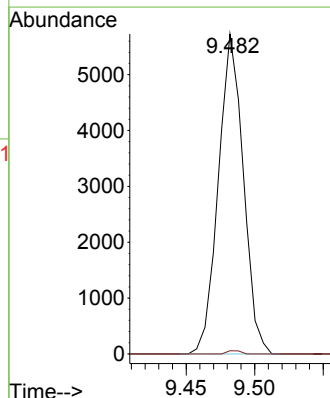
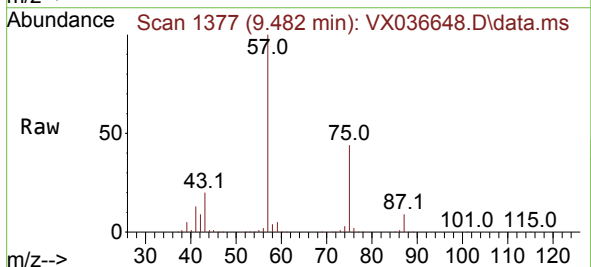
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#01

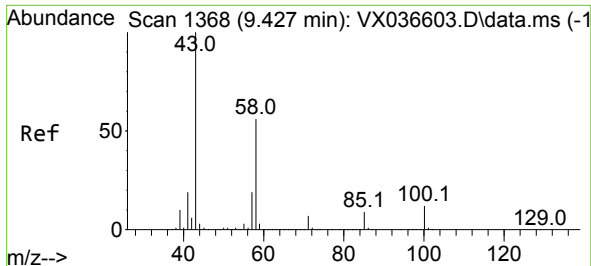
Tgt Ion: 75 Resp: 58549
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 27.3 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.902 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036648.D
 Acq: 25 Jul 2023 12:55

Tgt Ion: 76 Resp: 7246
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.1 39.1#

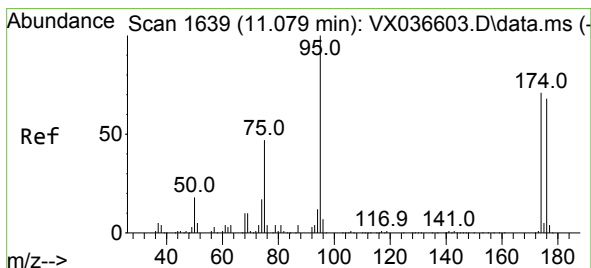
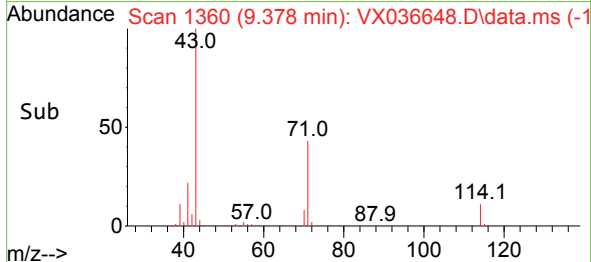
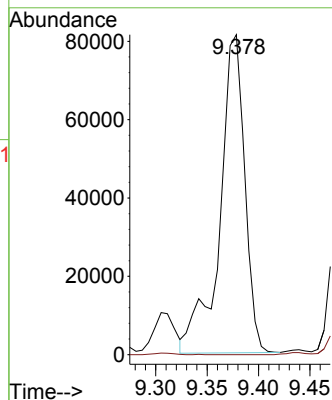
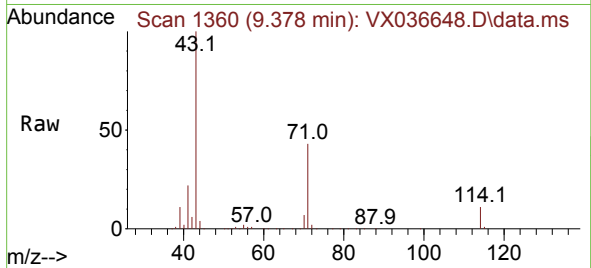




#59
2-Hexanone
Concen: 57.403 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

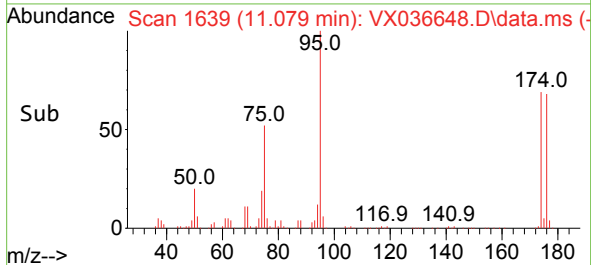
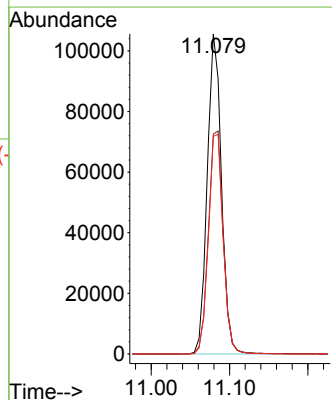
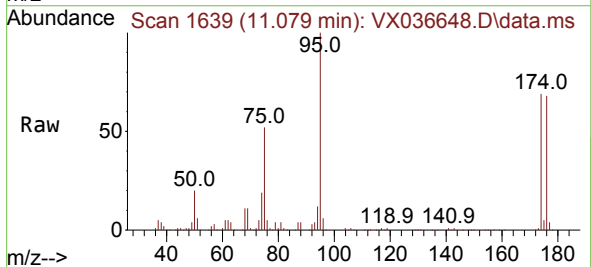
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

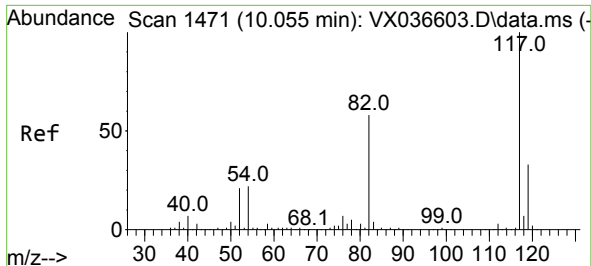
Tgt Ion: 43 Resp: 137125
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion: 95 Resp: 132692
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 70.9 0.0 131.0

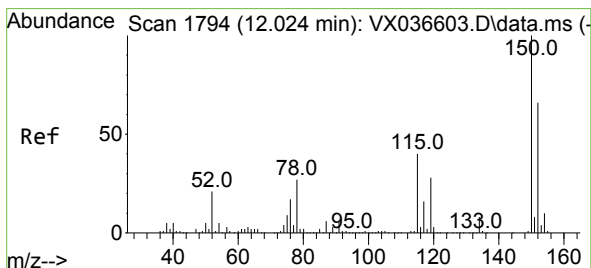
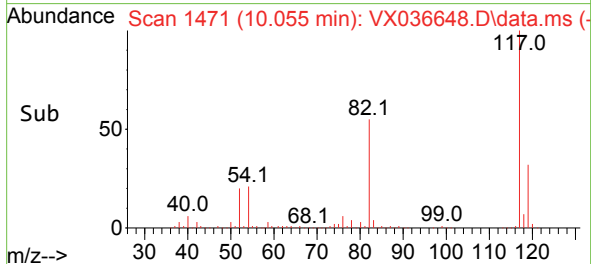
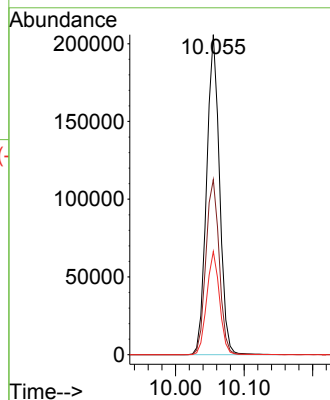
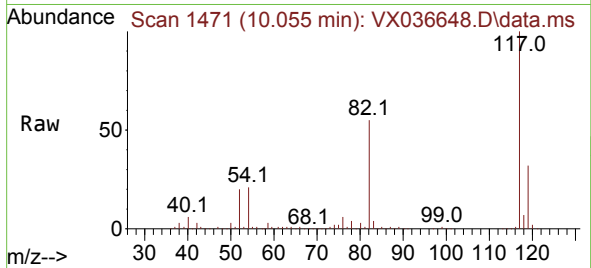




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

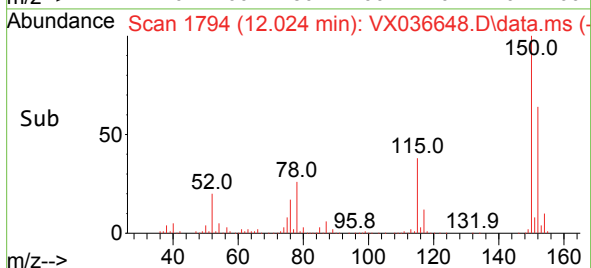
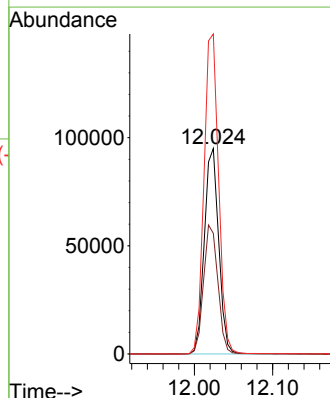
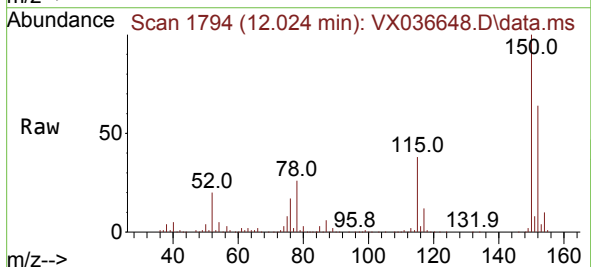
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#01

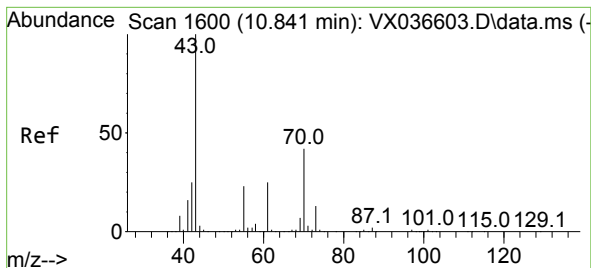
Tgt Ion:117 Resp: 270045
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036648.D
Acq: 25 Jul 2023 12:55

Tgt Ion:152 Resp: 121036
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 158.1 0.0 345.0





#74

N-amy1 acetate

Concen: 0.240 ug/l

RT: 10.890 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX036648.D

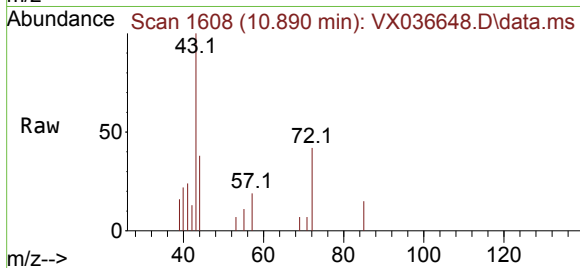
Acq: 25 Jul 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#01



Tgt Ion: 43 Resp: 1120

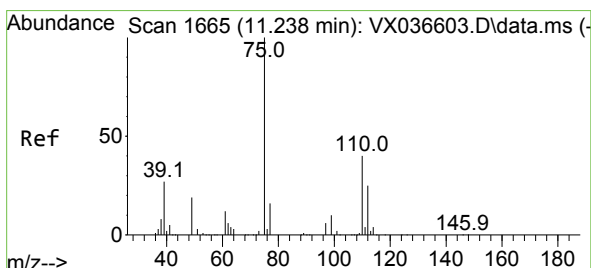
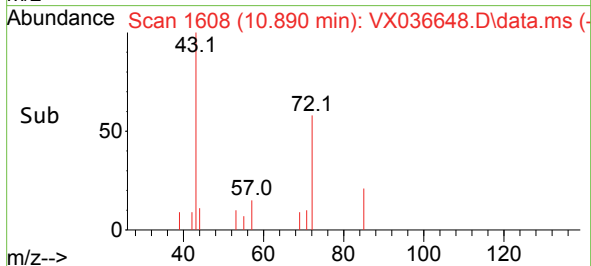
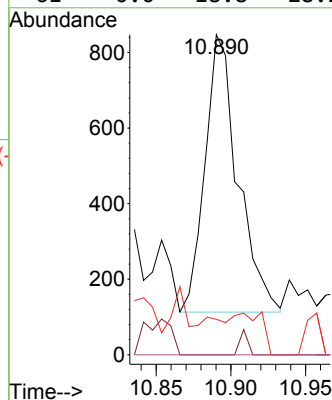
Ion Ratio Lower Upper

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: 24.207 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036648.D

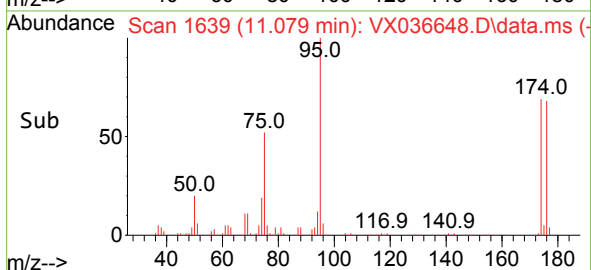
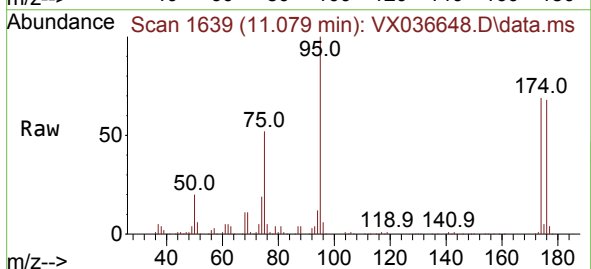
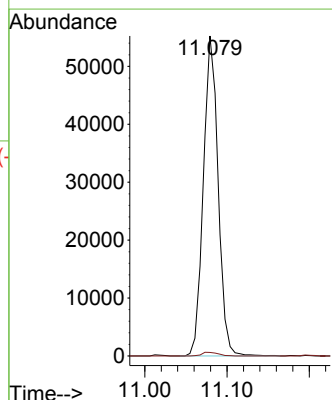
Acq: 25 Jul 2023 12:55

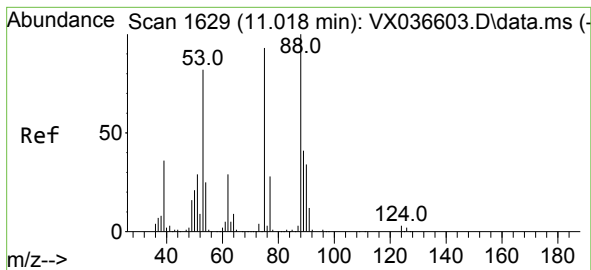
Tgt Ion: 75 Resp: 68915

Ion Ratio Lower Upper

75 100

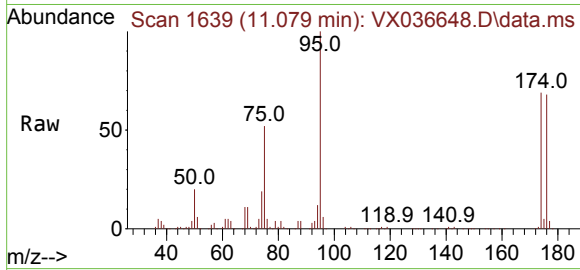
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.867 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036648.D
 Acq: 25 Jul 2023 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#01



Tgt Ion: 75 Resp: 68915
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

