

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
 Data File : VX036650.D
 Acq On : 25 Jul 2023 13:42
 Operator : JC/MD
 Sample : PB154393ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#03

Quant Time: Jul 26 06:24:56 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)

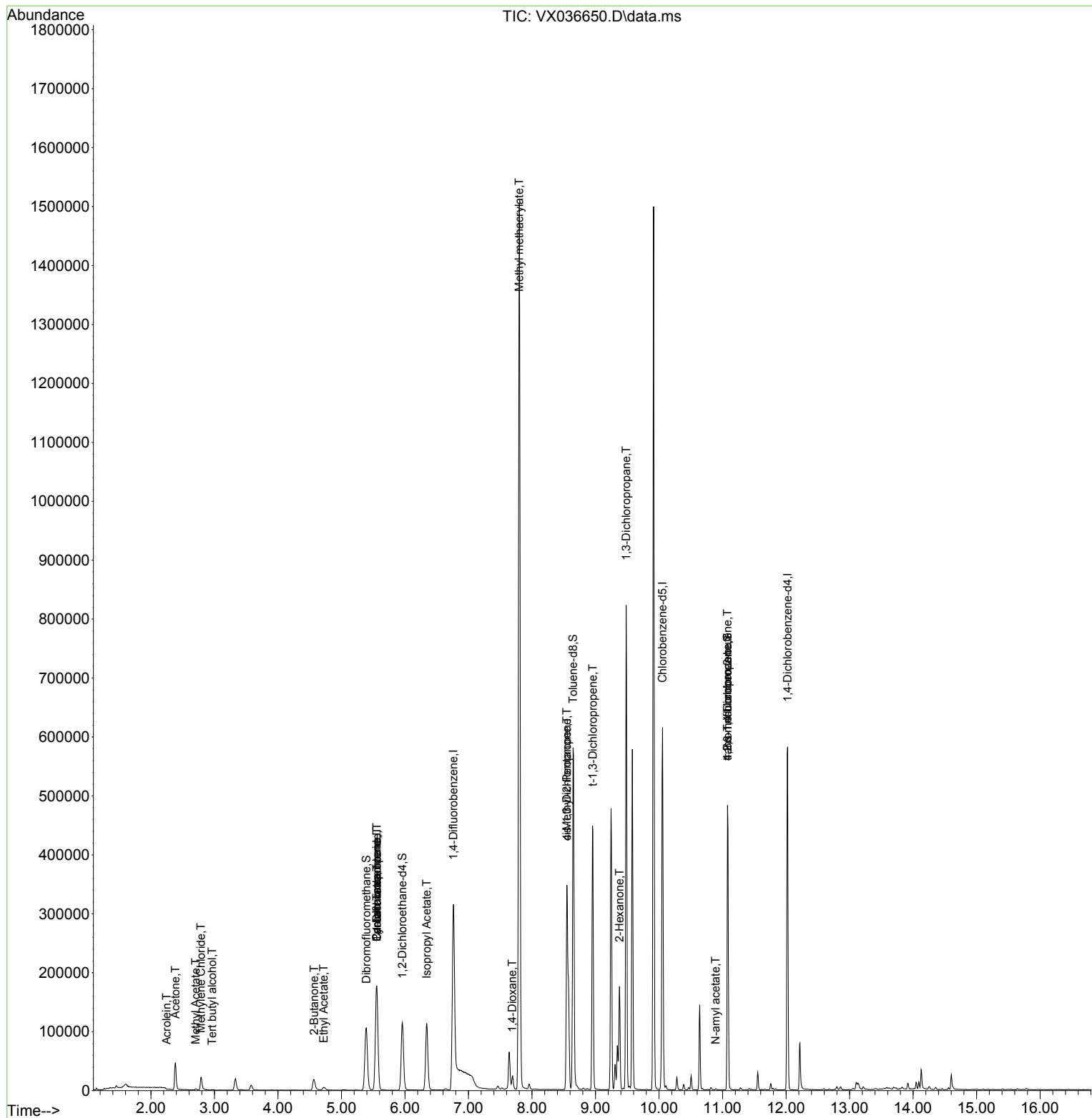
Internal Standards						
1) Pentafluorobenzene	5.556	168	165091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	292778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110746	45.336	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.680%		
35) Dibromofluoromethane	5.391	113	94014	46.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.440%		
50) Toluene-d8	8.647	98	349520	48.977	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.960%		
62) 4-Bromofluorobenzene	11.079	95	132329	49.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.300%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	829	1.433	ug/l #	91
13) Acrolein	2.245	56	79	0.239	ug/l #	14
16) Acetone	2.386	43	52908	52.195	ug/l	91
18) Methyl Acetate	2.703	43	2365	0.555	ug/l	100
20) Methylene Chloride	2.788	84	11236	4.984	ug/l	94
25) 2-Butanone	4.568	43	33233	20.207	ug/l	95
31) Cyclohexane	5.556	56	3794	1.122	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13555	4.519	ug/l #	51
37) Ethyl Acetate	4.721	43	8853	2.608	ug/l #	95
38) Carbon Tetrachloride	5.556	117	17471	5.479	ug/l #	14
43) Isopropyl Acetate	6.342	43	156028	26.699	ug/l	97
48) Methyl methacrylate	7.799	41	126905	46.695	ug/l #	48
49) 1,4-Dioxane	7.690	88	27	0.492	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	205972	63.690	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	973	0.257	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	56612	14.181	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	7093	1.853	ug/l #	42
59) 2-Hexanone	9.378	43	133148	55.475	ug/l #	26
74) N-amyl acetate	10.890	43	1151	0.250	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	68512	24.400	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	68512	55.303	ug/l #	5

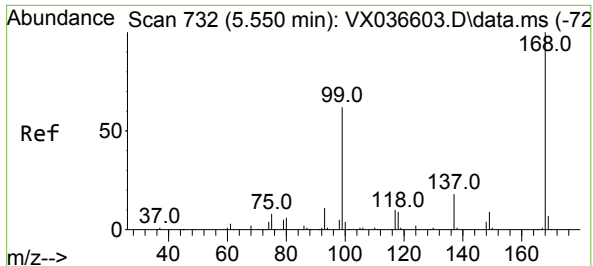
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
Data File : VX036650.D
Acq On : 25 Jul 2023 13:42
Operator : JC/MD
Sample : PB154393ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

Quant Time: Jul 26 06:24:56 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

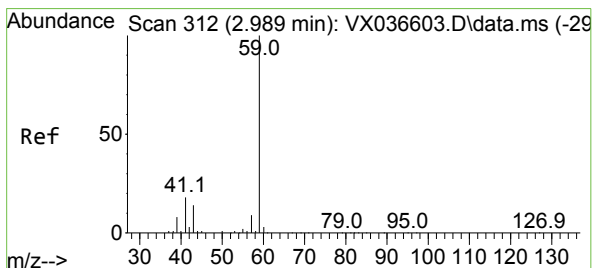
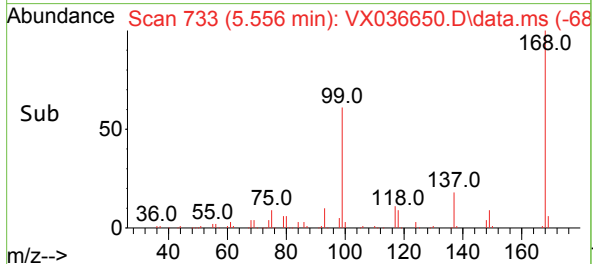
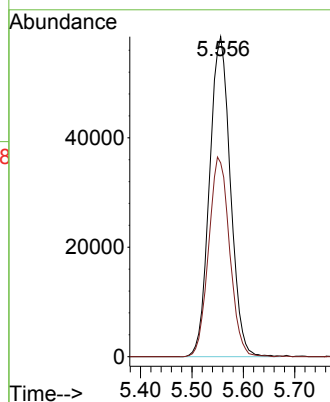
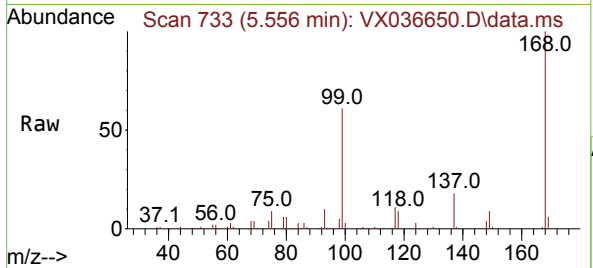




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

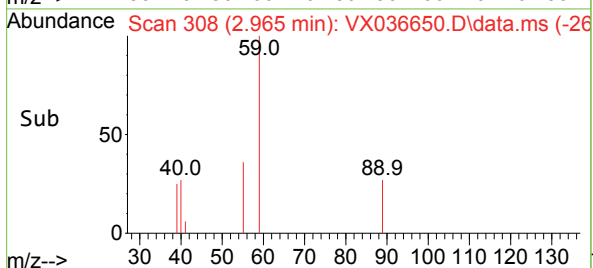
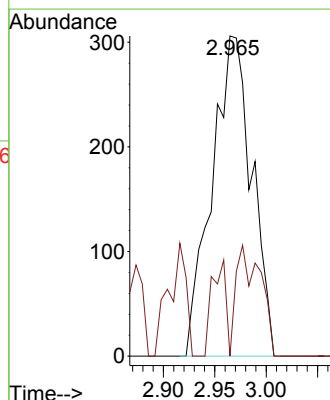
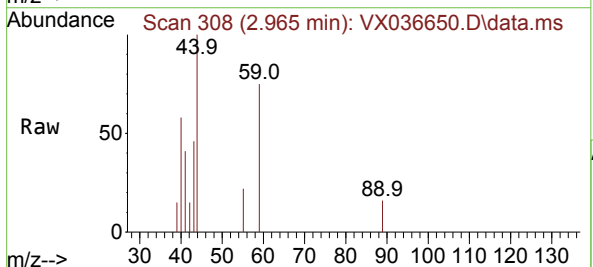
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

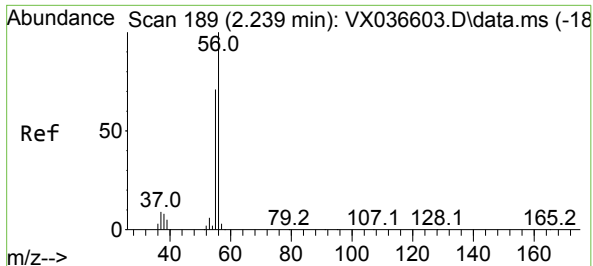
Tgt Ion:168 Resp: 165091
Ion Ratio Lower Upper
168 100
99 60.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.433 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 59 Resp: 829
Ion Ratio Lower Upper
59 100
57 10.5 6.0 9.0#

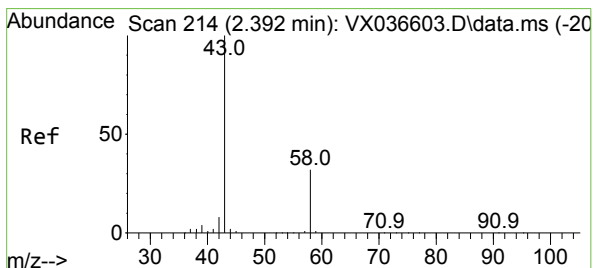
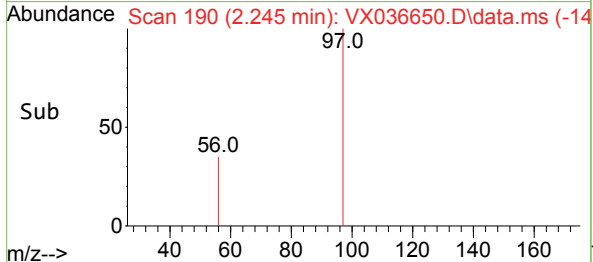
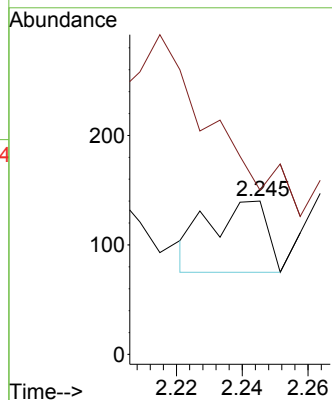
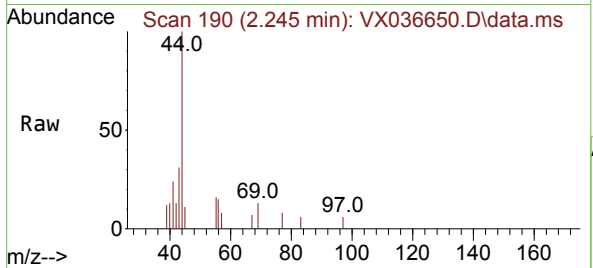




#13
Acrolein
Concen: 0.239 ug/l
RT: 2.245 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

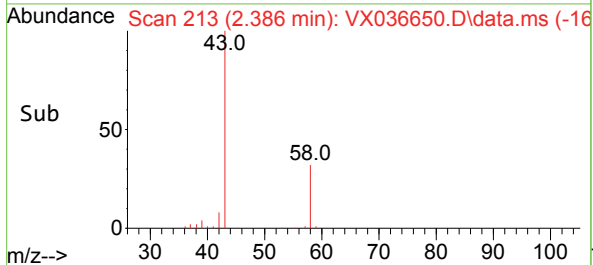
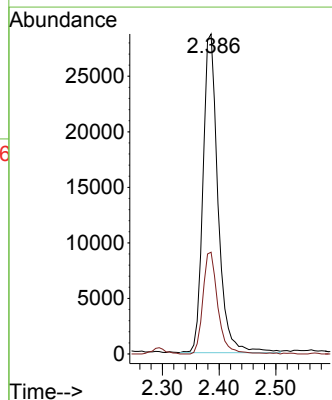
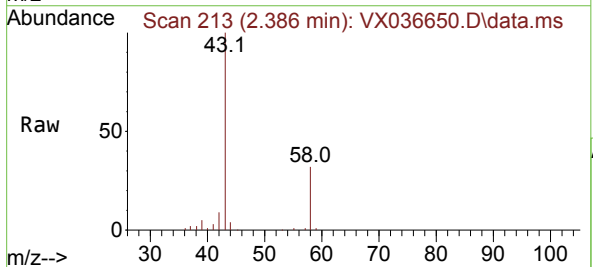
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

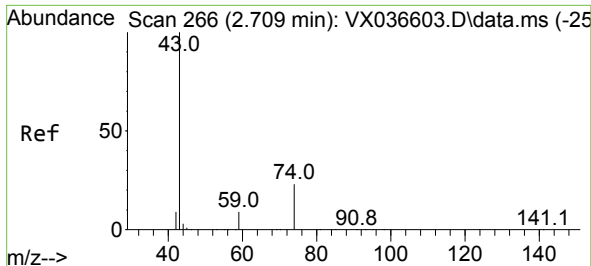
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 52.195 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 43 Resp: 52908
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9





#18

Methyl Acetate

Concen: 0.555 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX036650.D

Acq: 25 Jul 2023 13:42

Instrument :

MSVOA_X

ClientSampleId :

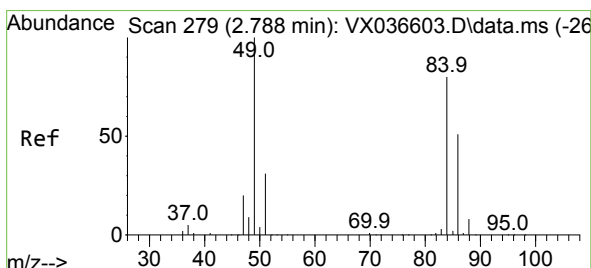
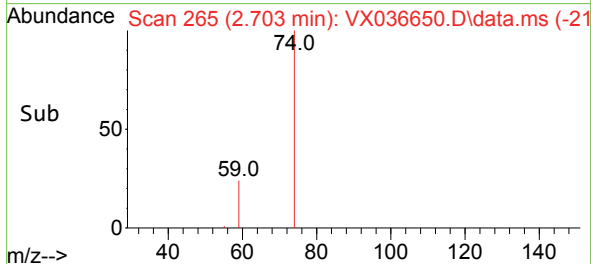
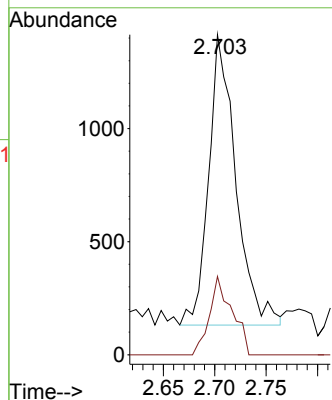
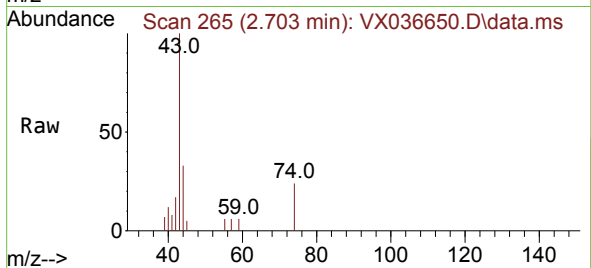
PB154393ZHE#03

Tgt Ion: 43 Resp: 2365

Ion Ratio Lower Upper

43 100

74 22.4 17.8 26.8



#20

Methylene Chloride

Concen: 4.984 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX036650.D

Acq: 25 Jul 2023 13:42

Tgt Ion: 84 Resp: 11236

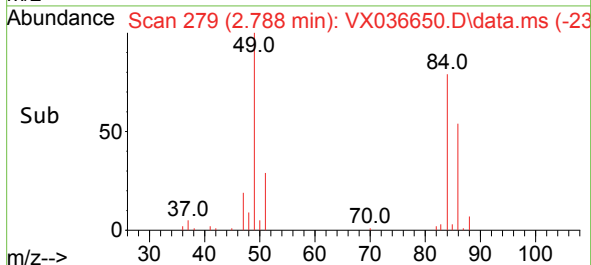
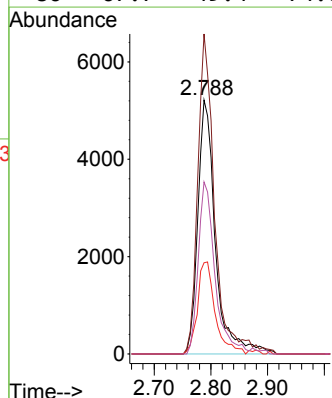
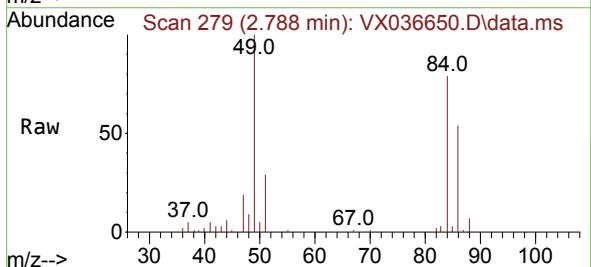
Ion Ratio Lower Upper

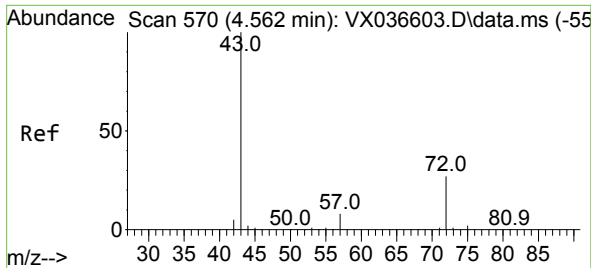
84 100

49 126.1 103.6 155.4

51 36.0 33.8 50.6

86 67.7 49.4 74.0

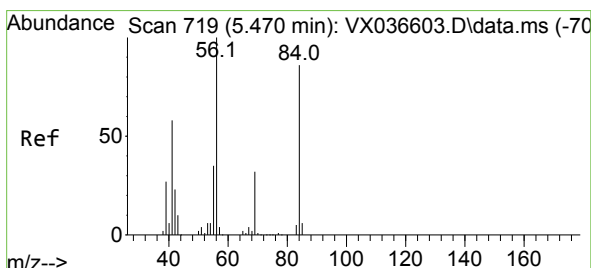
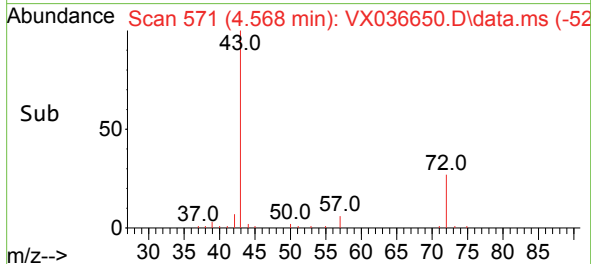
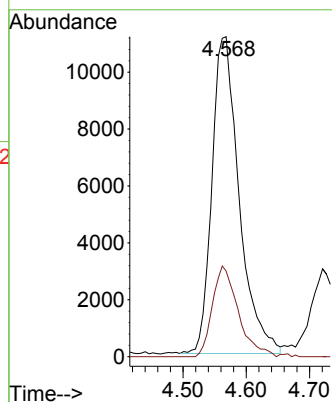
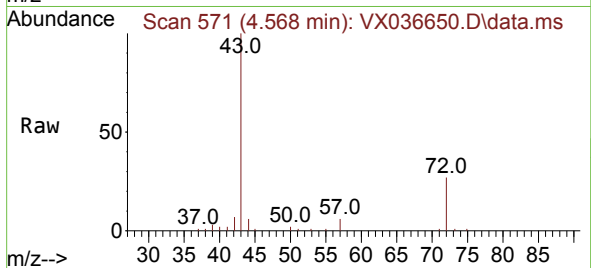




#25
2-Butanone
Concen: 20.207 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

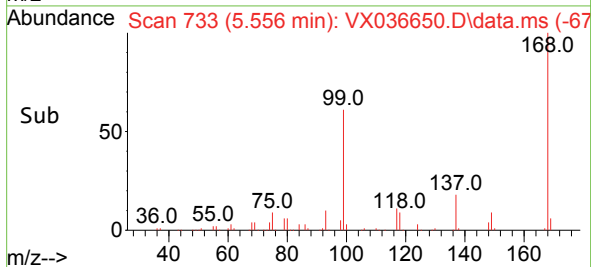
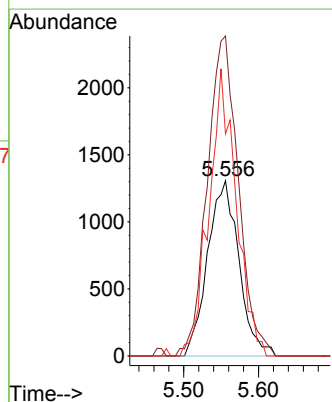
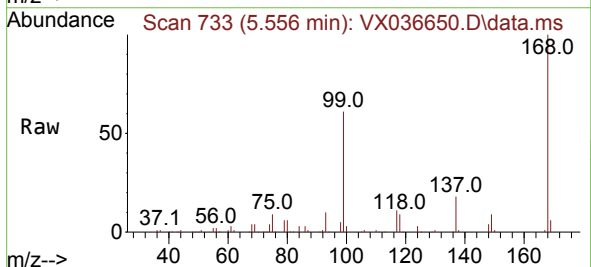
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

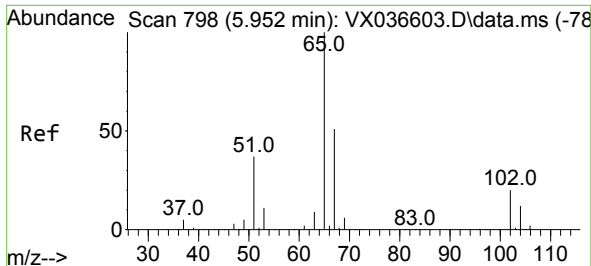
Tgt Ion: 43 Resp: 33233
Ion Ratio Lower Upper
43 100
72 27.0 19.4 29.2



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 56 Resp: 3794
Ion Ratio Lower Upper
56 100
69 182.6 23.4 35.2#
84 126.7 65.9 98.9#

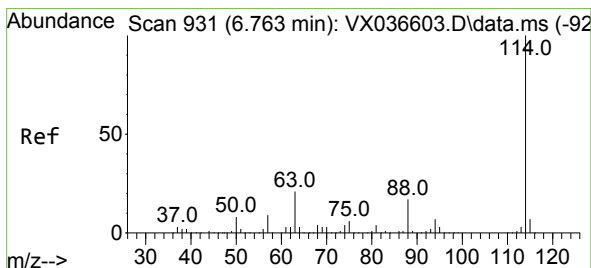
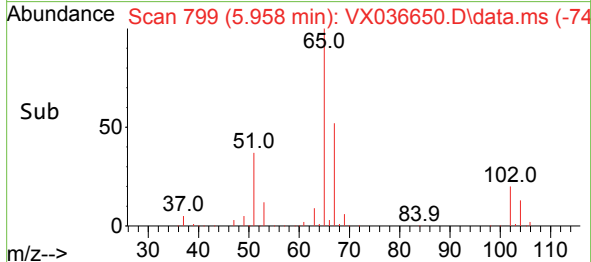
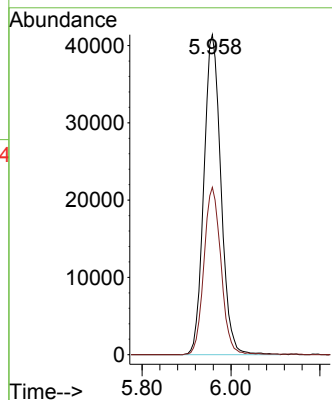
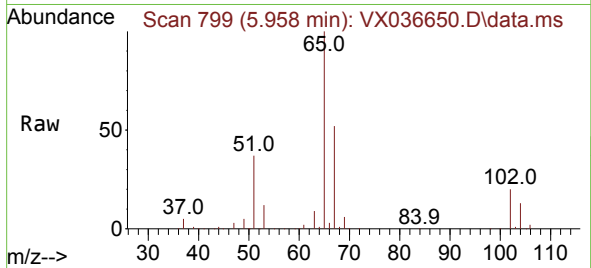




#33
 1,2-Dichloroethane-d4
 Concen: 45.336 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036650.D
 Acq: 25 Jul 2023 13:42

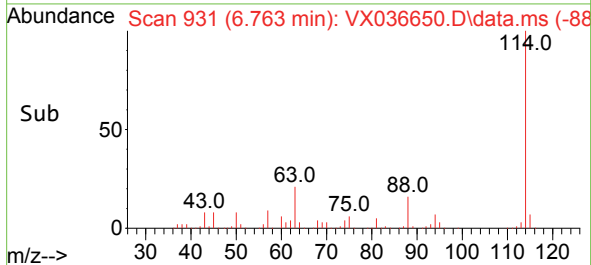
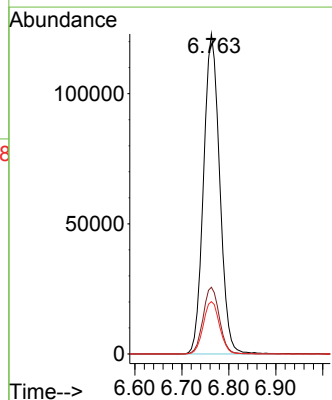
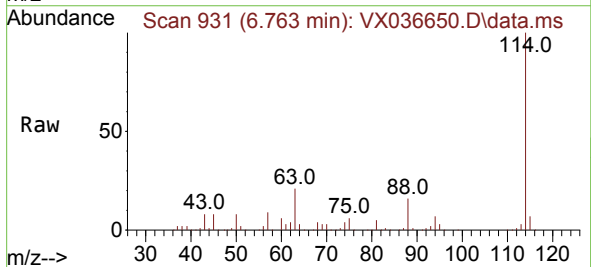
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#03

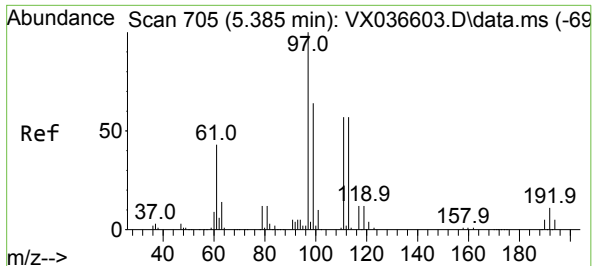
Tgt Ion: 65 Resp: 110746
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036650.D
 Acq: 25 Jul 2023 13:42

Tgt Ion: 114 Resp: 292778
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.0
 88 16.4 0.0 36.6

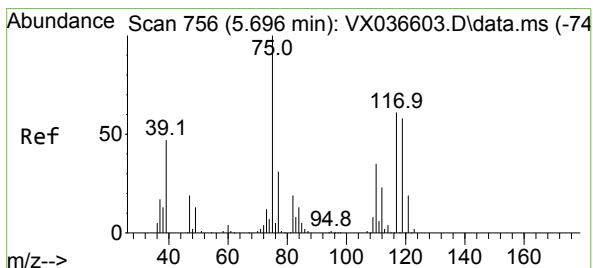
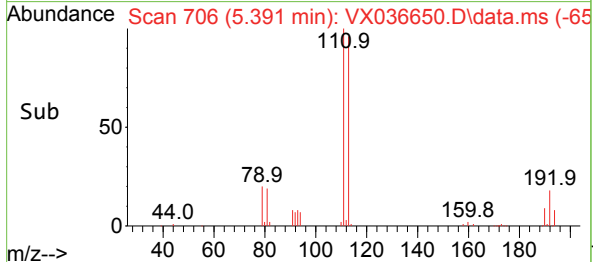
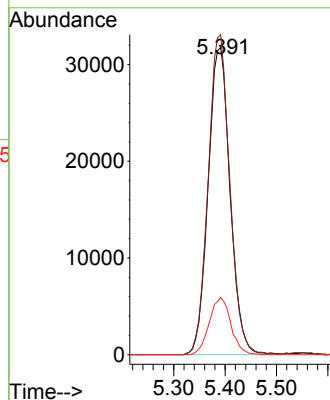
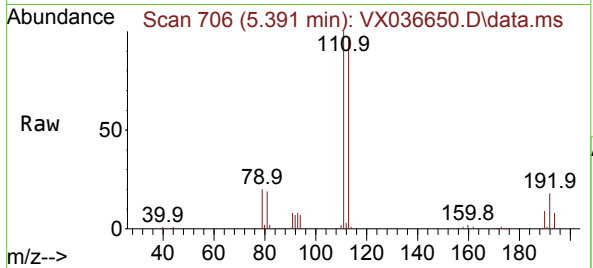




#35
Dibromofluoromethane
Concen: 46.718 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

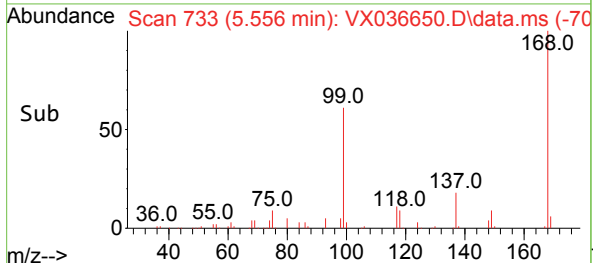
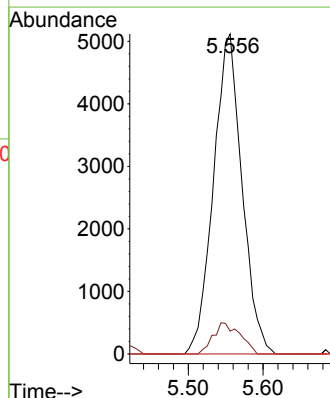
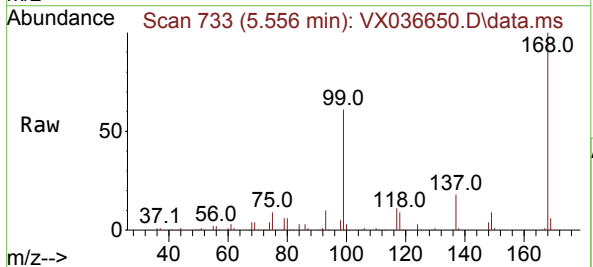
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

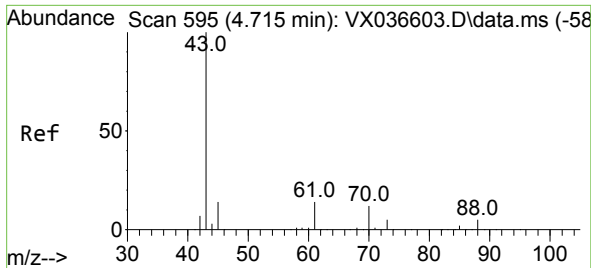
Tgt Ion:113 Resp: 94014
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 75 Resp: 13555
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.608 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX036650.D

Acq: 25 Jul 2023 13:42

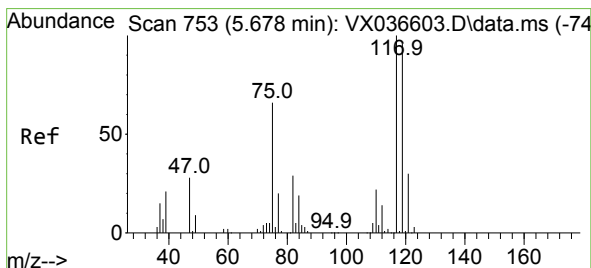
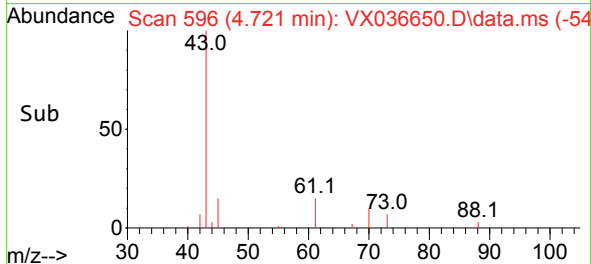
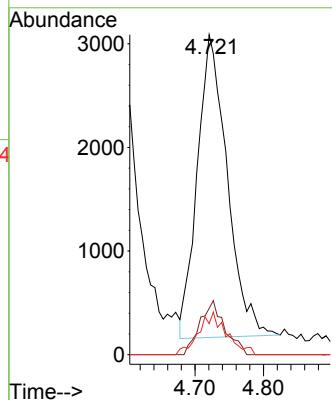
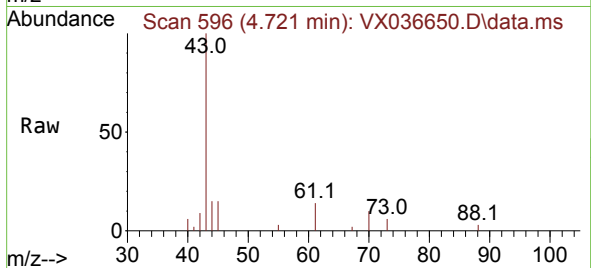
Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#03

Tgt Ion: 43	Resp: 8853
Ion Ratio	Lower Upper
43	100
61	14.8 10.6 16.0
70	12.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.479 ug/l

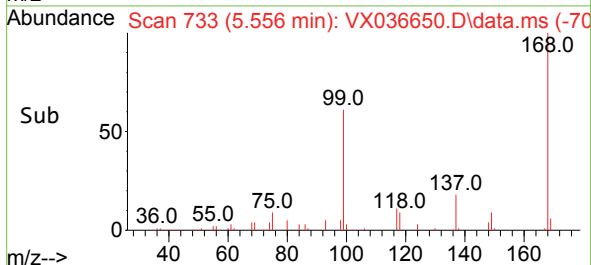
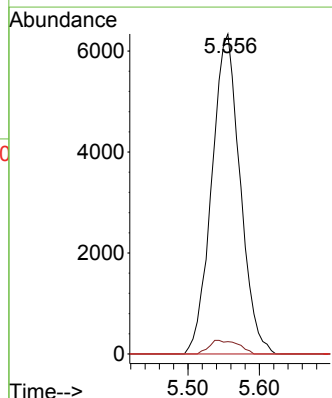
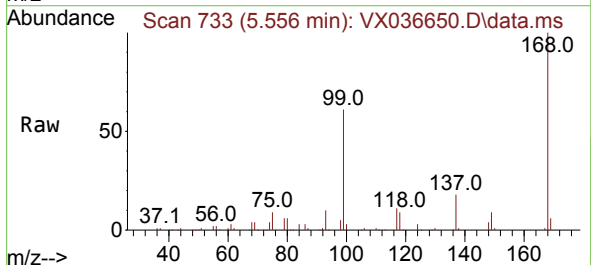
RT: 5.556 min Scan# 733

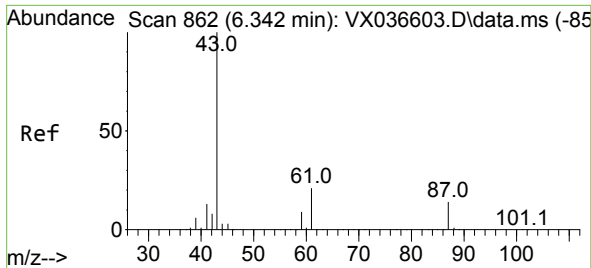
Delta R.T. -0.122 min

Lab File: VX036650.D

Acq: 25 Jul 2023 13:42

Tgt Ion: 117	Resp: 17471
Ion Ratio	Lower Upper
117	100
119	3.8 78.2 117.2
121	0.0 24.4 36.6

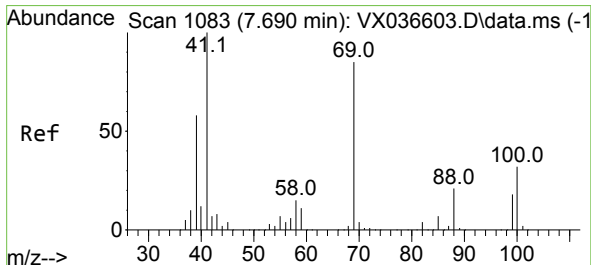
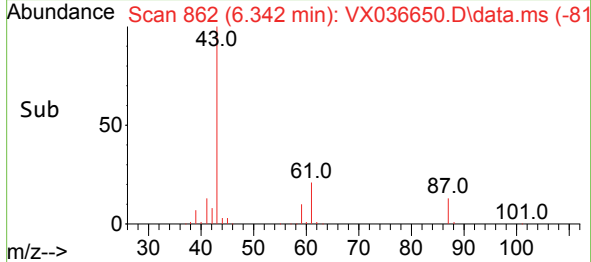
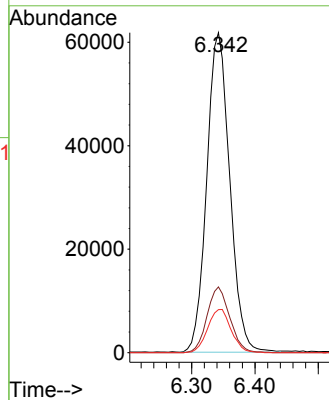
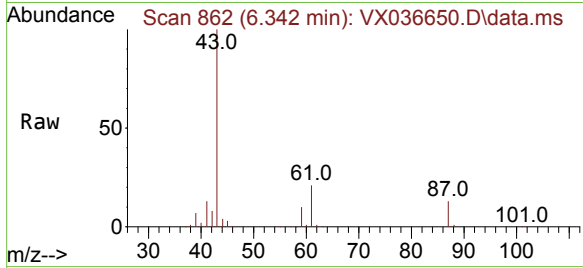




#43
Isopropyl Acetate
Concen: 26.699 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

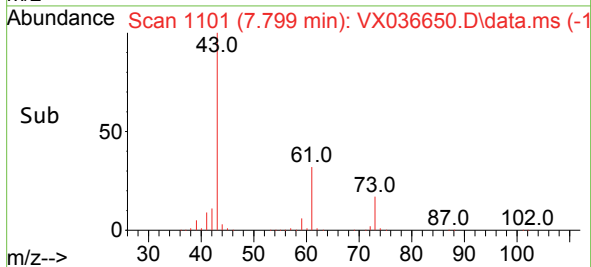
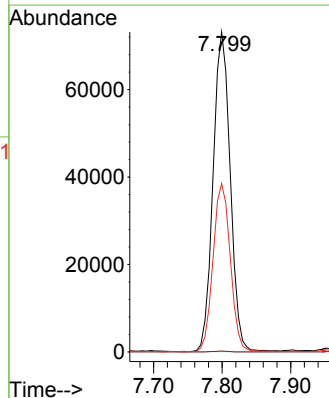
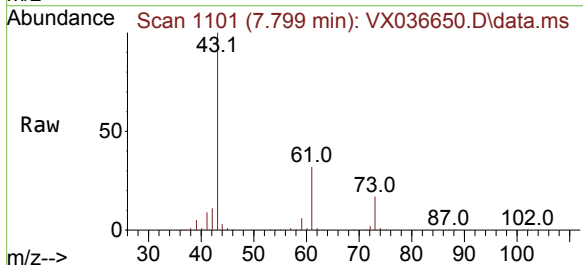
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

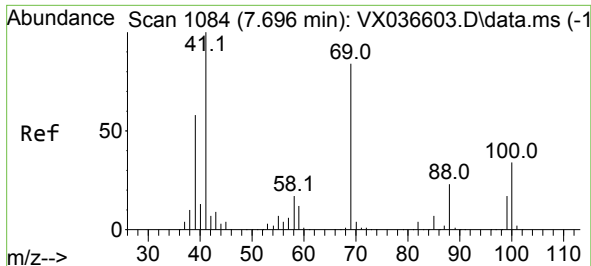
Tgt Ion: 43 Resp: 156028
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 13.8 9.8 14.6



#48
Methyl methacrylate
Concen: 46.695 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 41 Resp: 126905
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.3 47.7 71.5





#49

1,4-Dioxane

Concen: 0.492 ug/l

RT: 7.690 min Scan# 1084

Delta R.T. -0.006 min

Lab File: VX036650.D

Acq: 25 Jul 2023 13:42

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#03

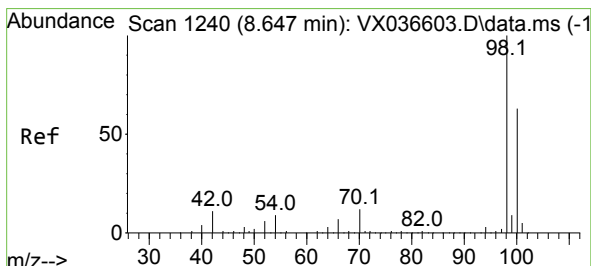
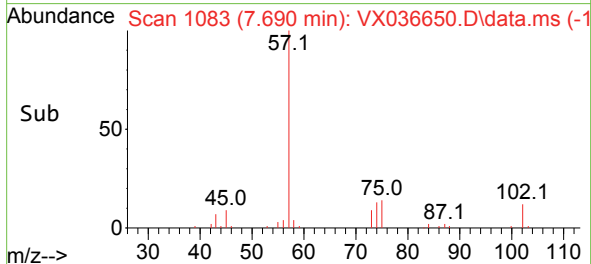
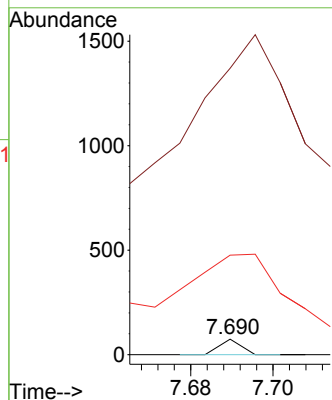
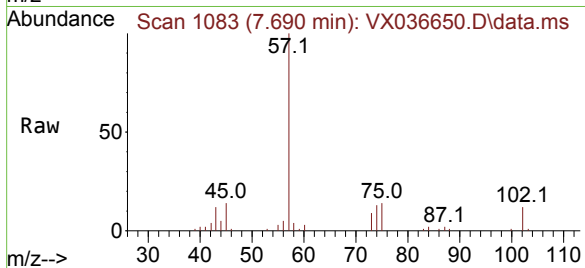
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 3229.6 60.1 90.1#



#50

Toluene-d8

Concen: 48.977 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036650.D

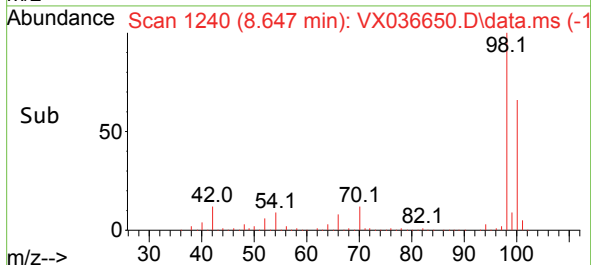
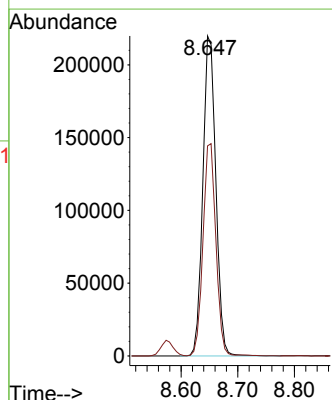
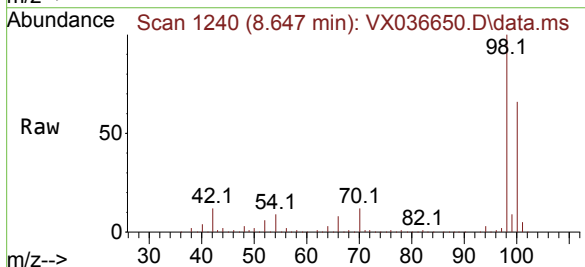
Acq: 25 Jul 2023 13:42

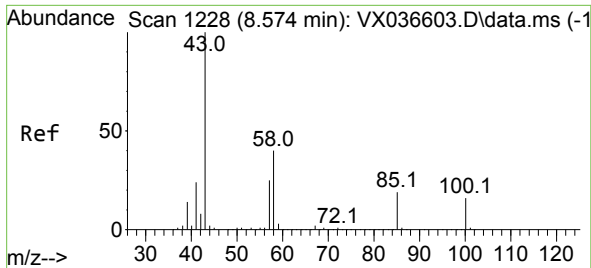
Tgt Ion: 98 Resp: 349520

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7

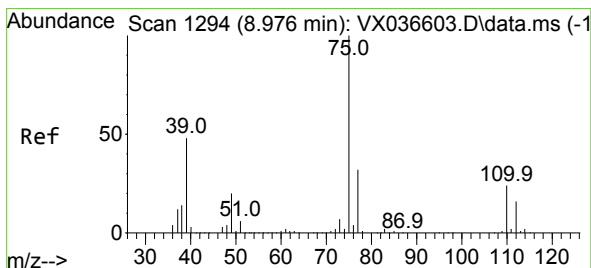
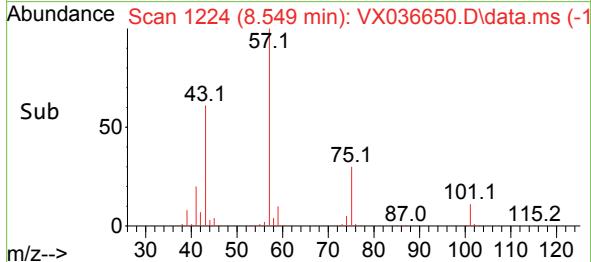
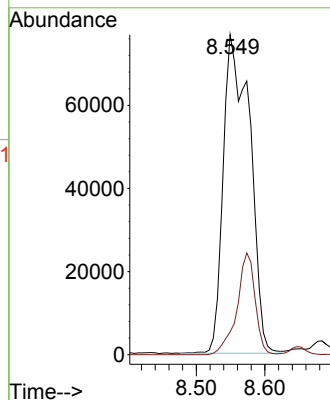
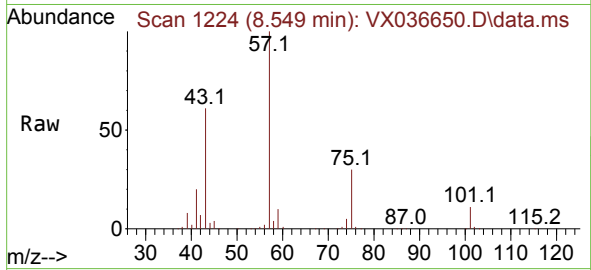




#51
4-Methyl-2-Pentanone
Concen: 63.690 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

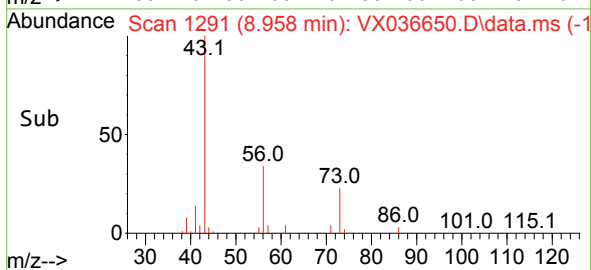
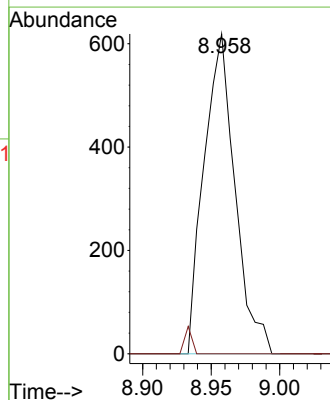
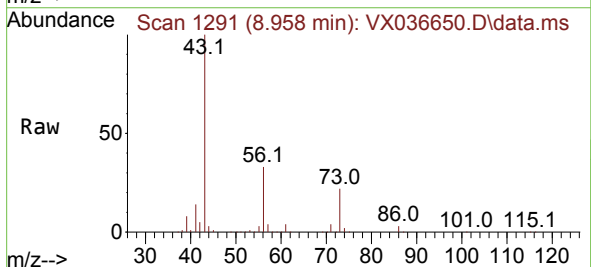
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

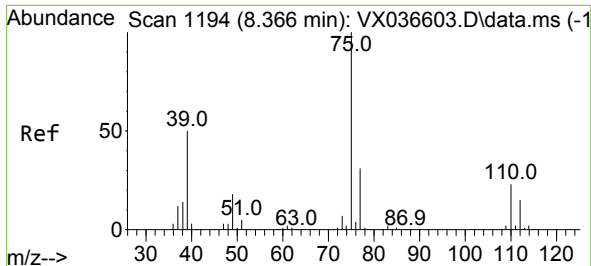
Tgt Ion: 43 Resp: 205972
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.257 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 75 Resp: 973
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

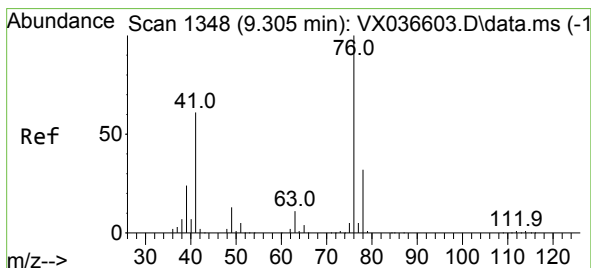
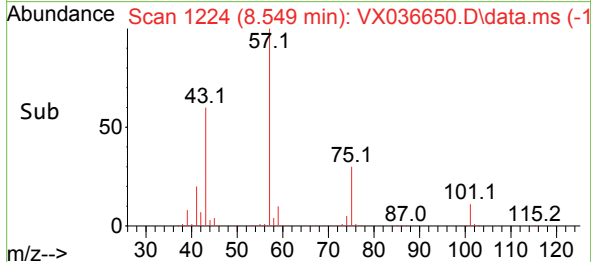
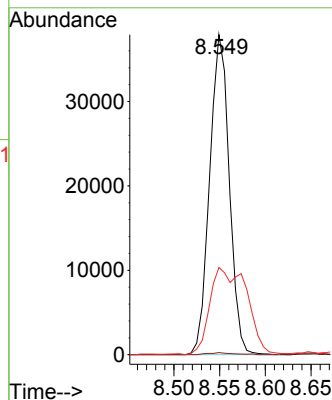
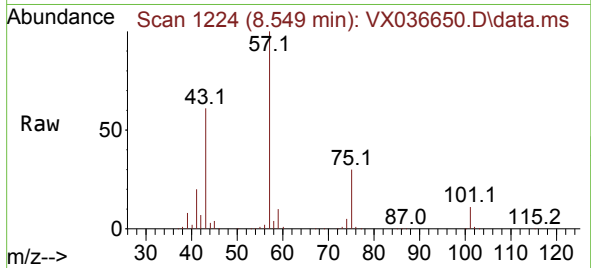




#54
 cis-1,3-Dichloropropene
 Concen: 14.181 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036650.D
 Acq: 25 Jul 2023 13:42

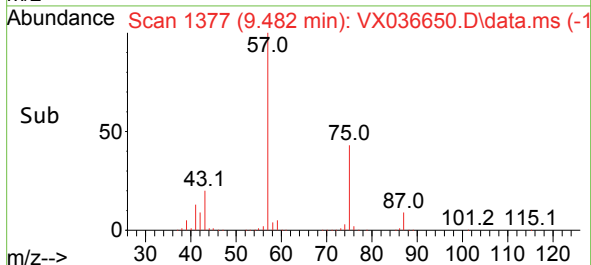
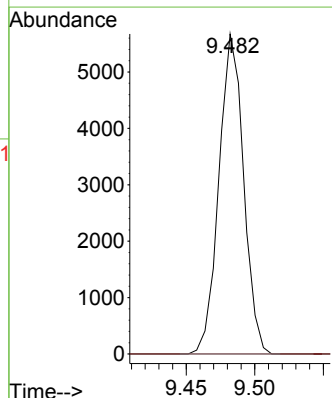
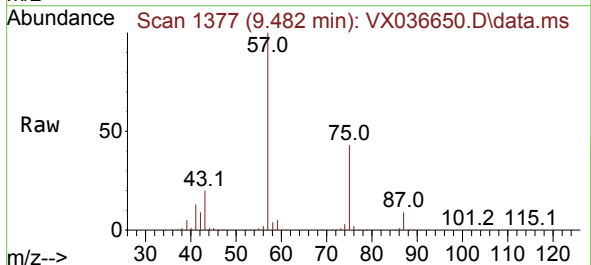
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#03

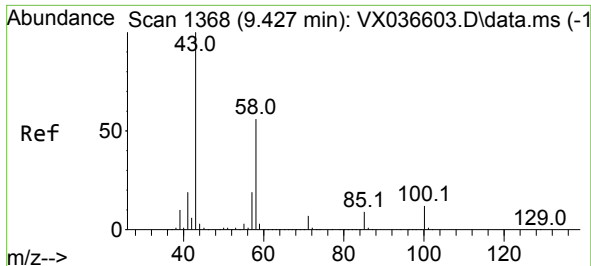
Tgt Ion: 75 Resp: 56612
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 27.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.853 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036650.D
 Acq: 25 Jul 2023 13:42

Tgt Ion: 76 Resp: 7093
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

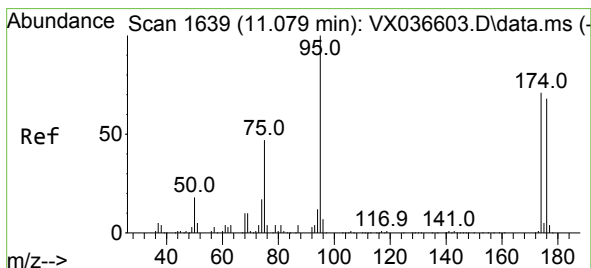
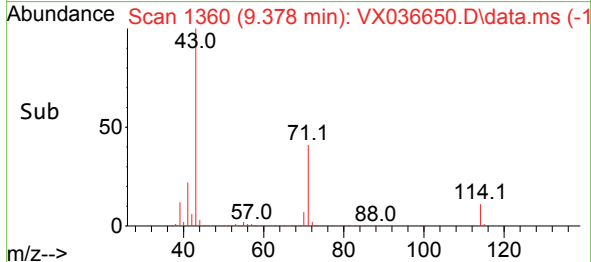
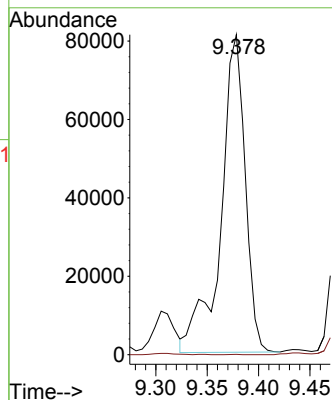
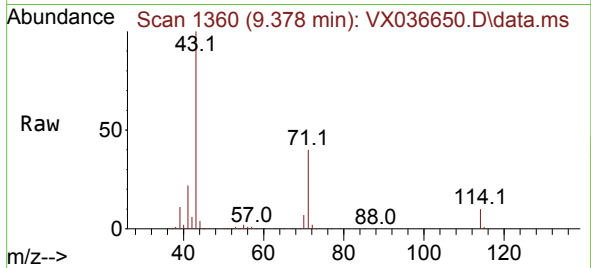




#59
2-Hexanone
Concen: 55.475 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

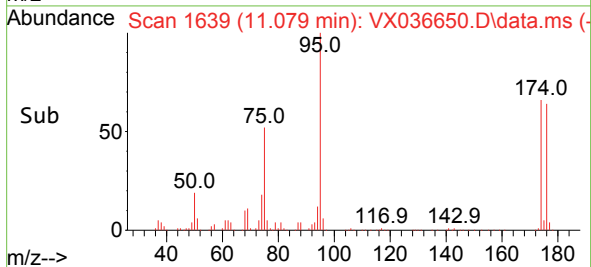
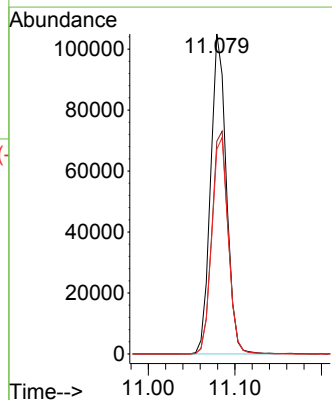
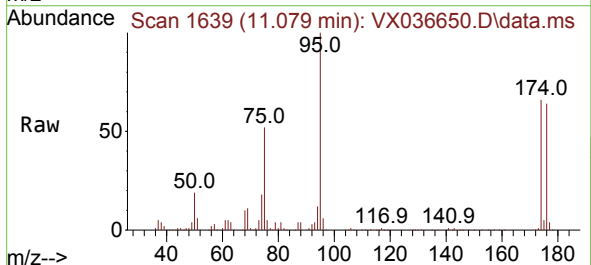
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

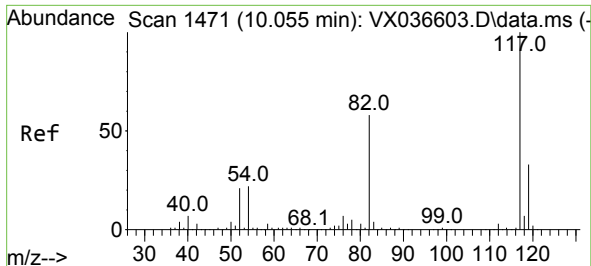
Tgt Ion: 43 Resp: 133148
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 95 Resp: 132329
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 70.6 0.0 131.0

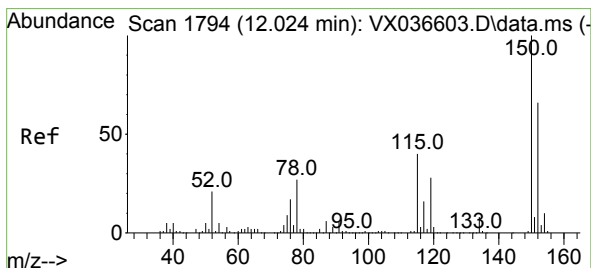
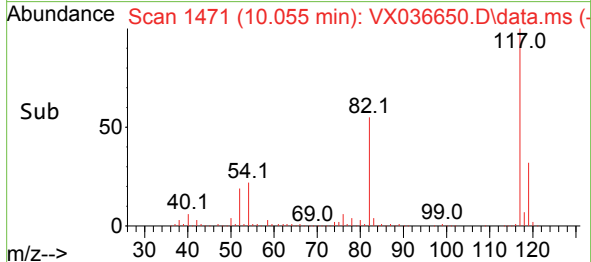
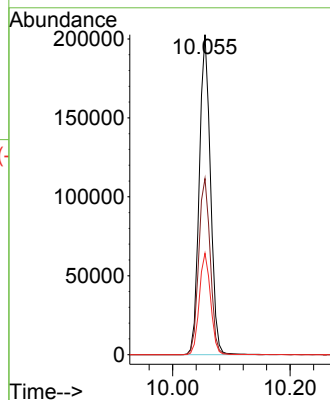
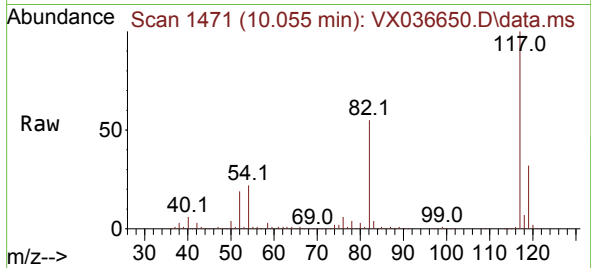




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

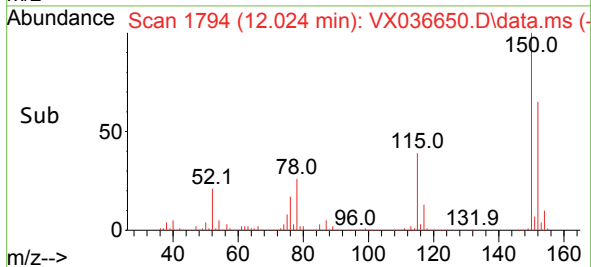
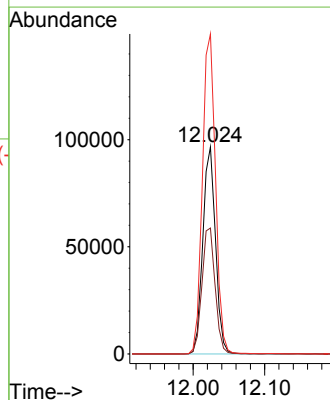
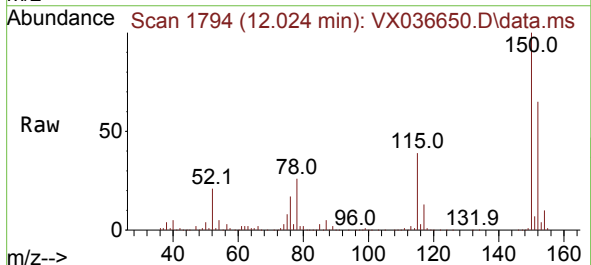
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

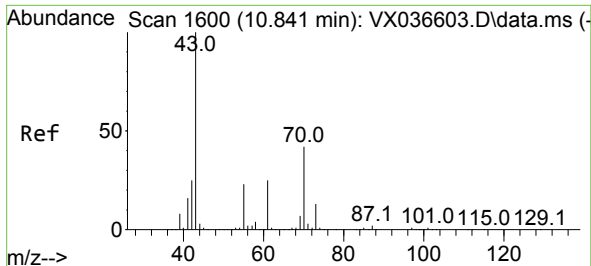
Tgt Ion:117 Resp: 268181
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion:152 Resp: 119379
Ion Ratio Lower Upper
152 100
115 63.1 43.3 129.9
150 159.4 0.0 345.0

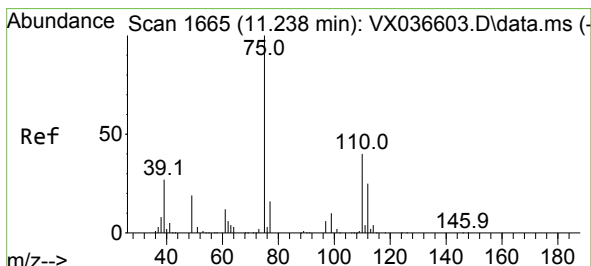
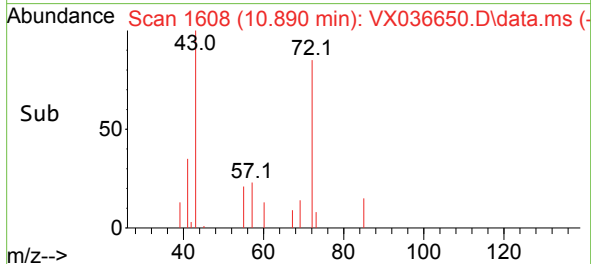
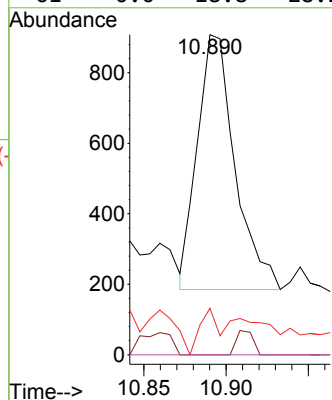
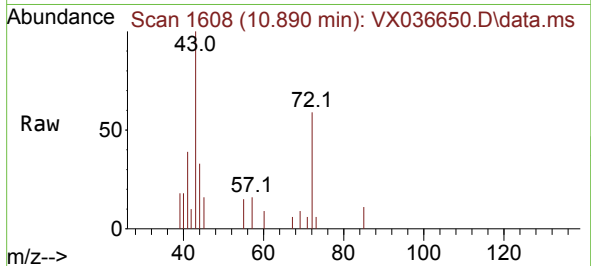




#74
N-amy1 acetate
Concen: 0.250 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.049 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

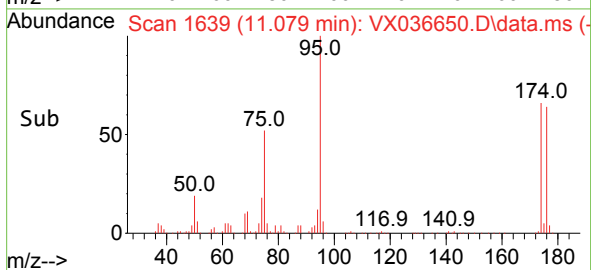
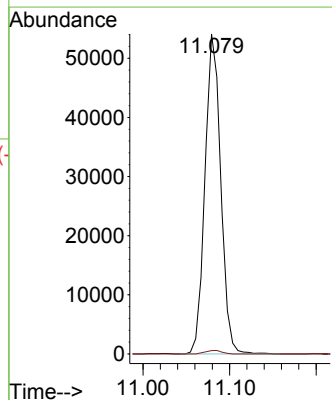
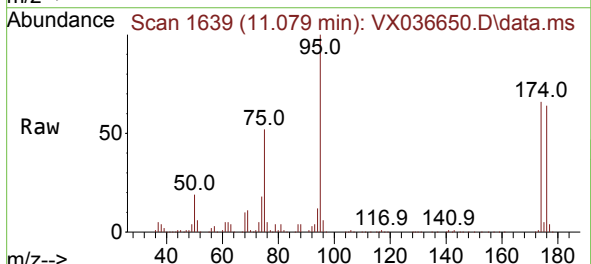
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#03

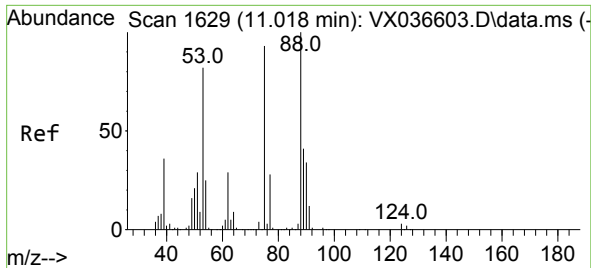
Tgt Ion: 43	Resp: 1151
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 8.6	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036650.D
Acq: 25 Jul 2023 13:42

Tgt Ion: 75	Resp: 68512
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.303 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036650.D
 Acq: 25 Jul 2023 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#03

Tgt Ion: 75 Resp: 68512
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

