

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036408.D
 Acq On : 05 Jul 2023 16:54
 Operator : JC/MD
 Sample : PB153983ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#09

Quant Time: Jul 06 04:54:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

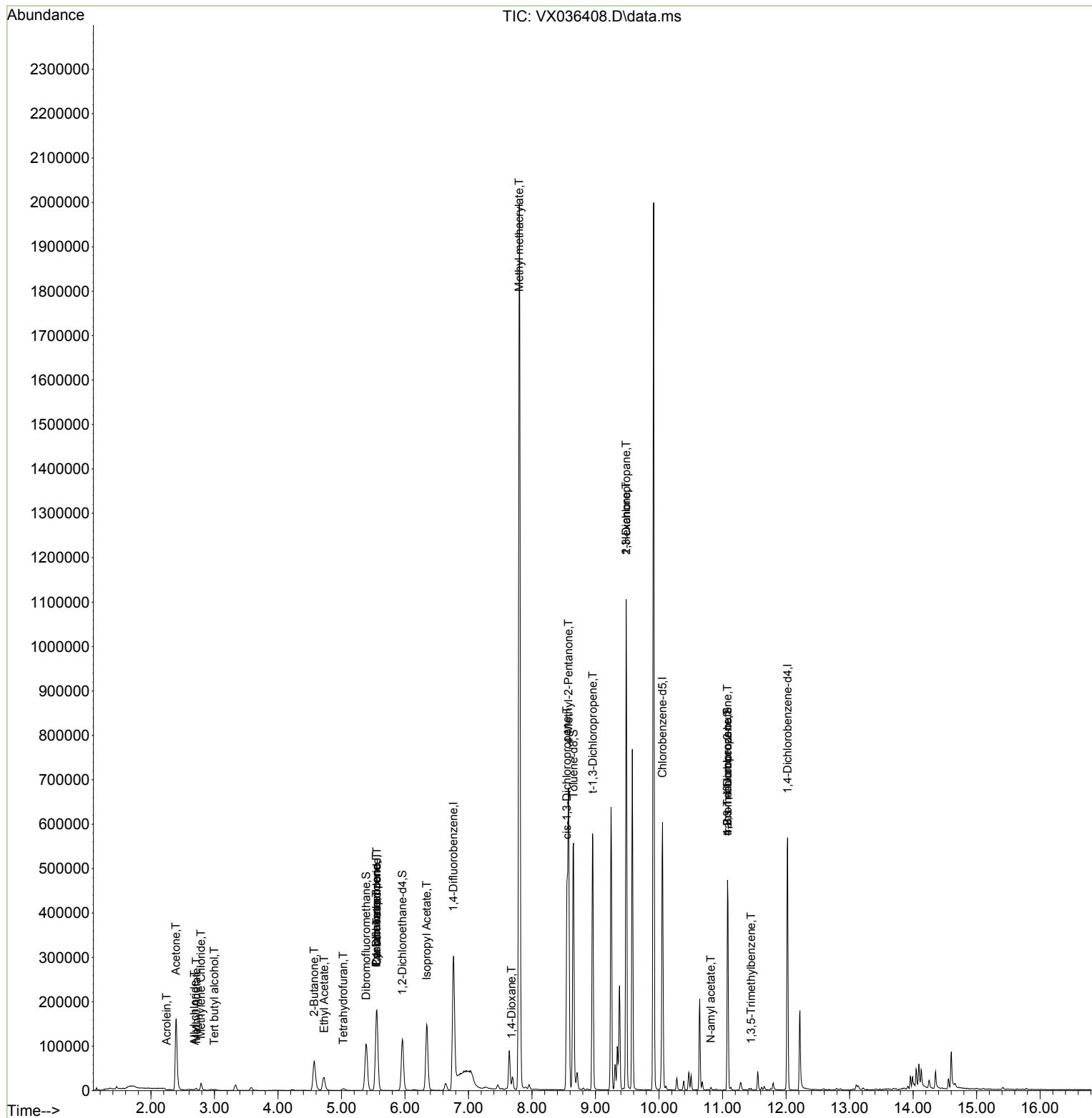
Internal Standards						
1) Pentafluorobenzene	5.550	168	170183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	259102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109854	45.032	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.060%		
35) Dibromofluoromethane	5.385	113	90773	48.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	8.653	98	340176	48.647	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.300%		
62) 4-Bromofluorobenzene	11.079	95	123230	50.031	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.060%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	3634	8.184	ug/l	96
13) Acrolein	2.245	56	130	0.213	ug/l #	12
14) Allyl chloride	2.684	41	1581	0.503	ug/l #	37
16) Acetone	2.392	43	218578	209.628	ug/l	95
18) Methyl Acetate	2.715	43	5248	1.224	ug/l	98
20) Methylene Chloride	2.788	84	7002	3.119	ug/l	94
25) 2-Butanone	4.568	43	119098	79.497	ug/l	97
29) Tetrahydrofuran	5.025	42	4118	4.317	ug/l #	64
31) Cyclohexane	5.550	56	3792	1.213	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	13532	4.849	ug/l #	50
37) Ethyl Acetate	4.727	43	53115	18.673	ug/l	97
38) Carbon Tetrachloride	5.556	117	17535	6.879	ug/l #	15
43) Isopropyl Acetate	6.342	43	200576	44.203	ug/l	98
48) Methyl methacrylate	7.799	41	171594	75.844	ug/l #	49
49) 1,4-Dioxane	7.677	88	19	0.379	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	529506	181.125	ug/l #	87
53) t-1,3-Dichloropropene	8.958	75	1260	0.462	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	69811	22.619	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	9125	2.593	ug/l #	42
59) 2-Hexanone	9.482	43	122368	57.319	ug/l #	53
74) N-amyl acetate	10.817	43	1665	0.467	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	63357	24.849	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1526	0.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	63357	81.002	ug/l #	5

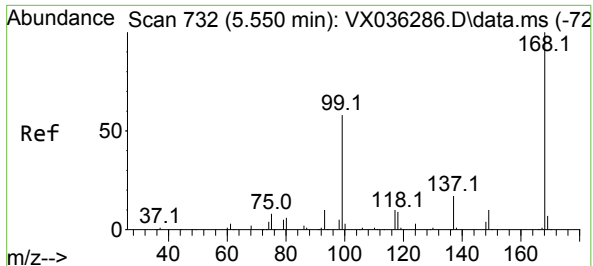
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
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Instrument :
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ClientSampleId :
PB153983ZHE#09

Quant Time: Jul 06 04:54:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

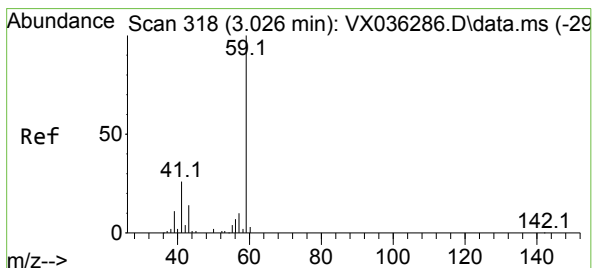
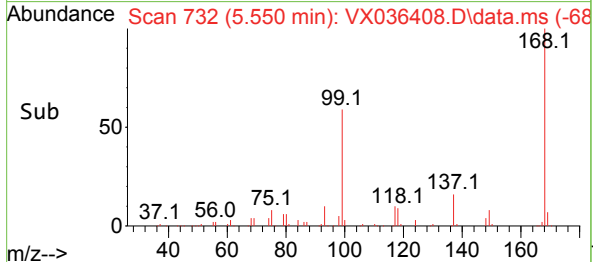
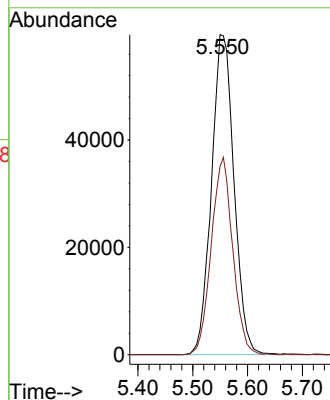
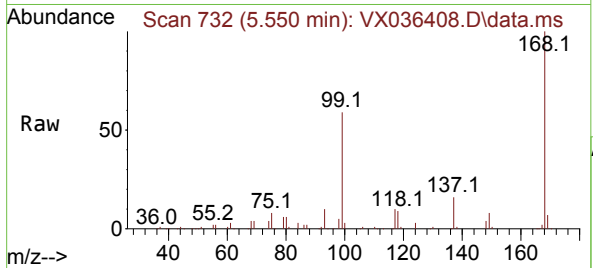




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

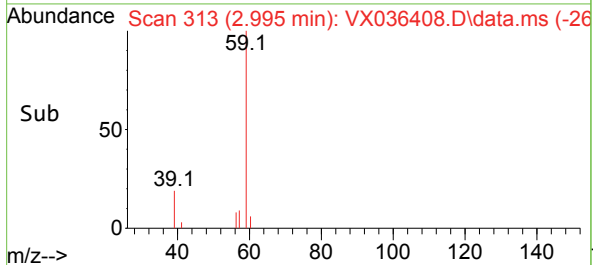
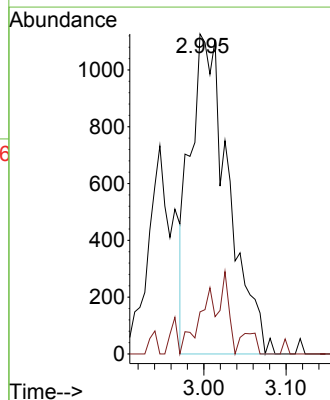
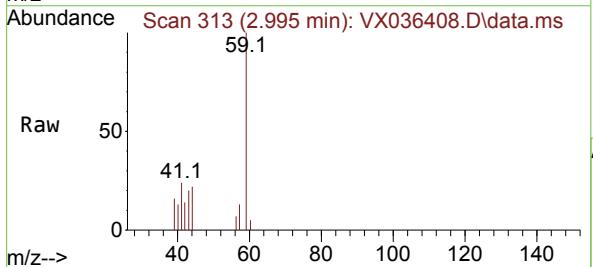
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

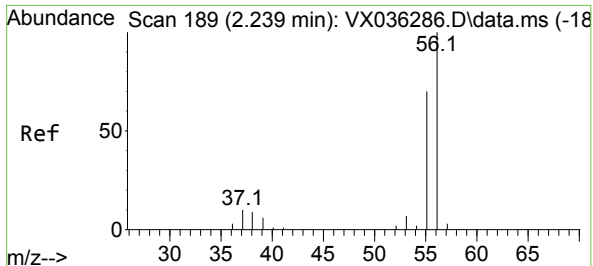
Tgt Ion:168 Resp: 170183
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.184 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.018 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 59 Resp: 3634
Ion Ratio Lower Upper
59 100
57 8.8 6.0 9.0





#13

Acrolein

Concen: 0.213 ug/l

RT: 2.245 min Scan# 14

Delta R.T. 0.006 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Instrument :

MSVOA_X

ClientSampleId :

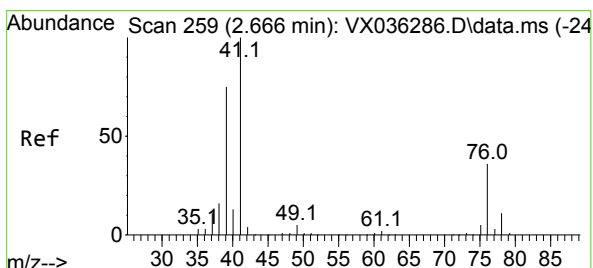
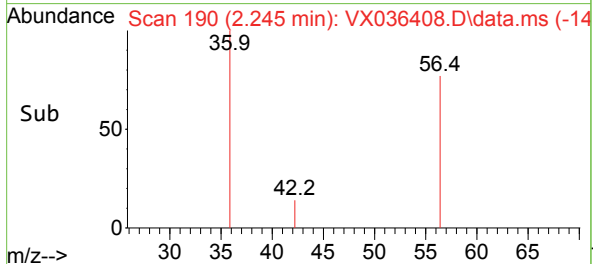
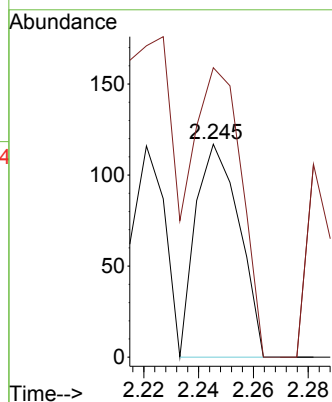
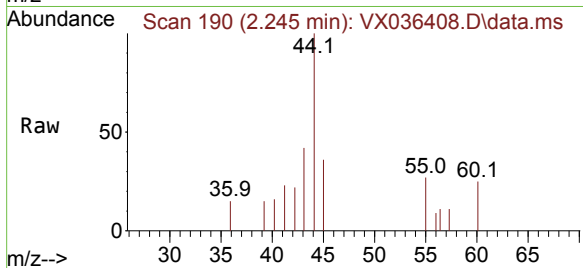
PB153983ZHE#09

Tgt Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 144.6 57.1 85.7#



#14

Allyl chloride

Concen: 0.503 ug/l

RT: 2.684 min Scan# 262

Delta R.T. 0.018 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

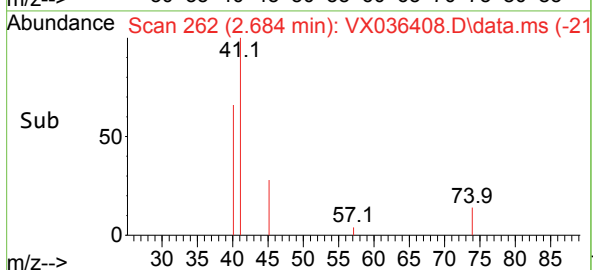
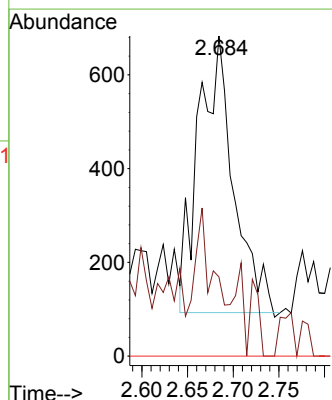
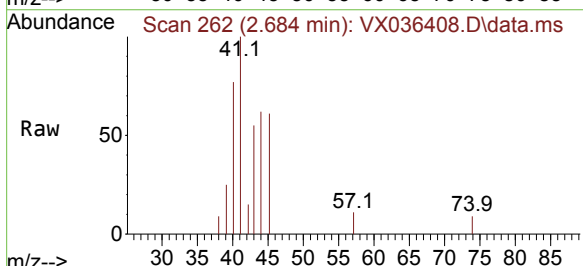
Tgt Ion: 41 Resp: 1581

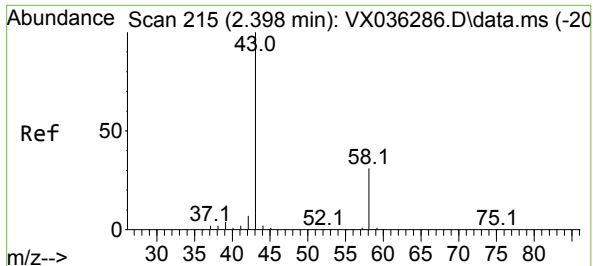
Ion Ratio Lower Upper

41 100

39 15.3 55.8 83.6#

76 0.0 24.3 36.5#

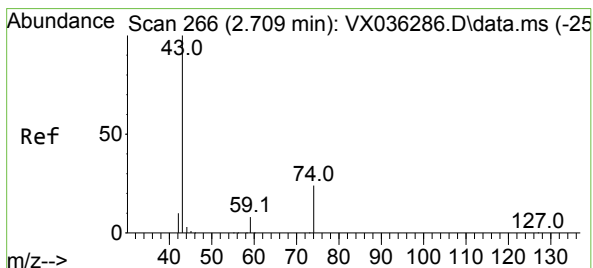
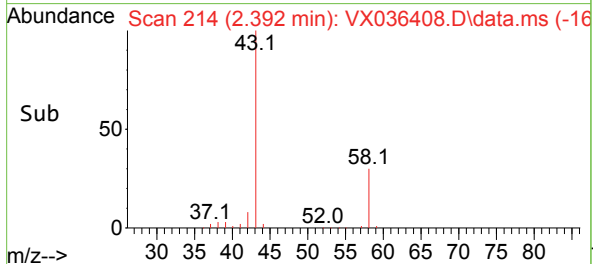
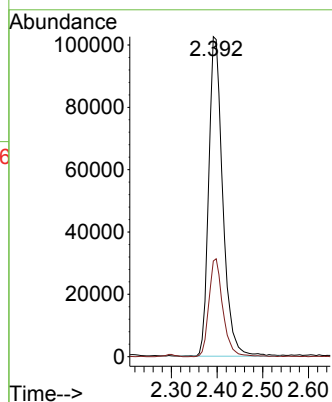
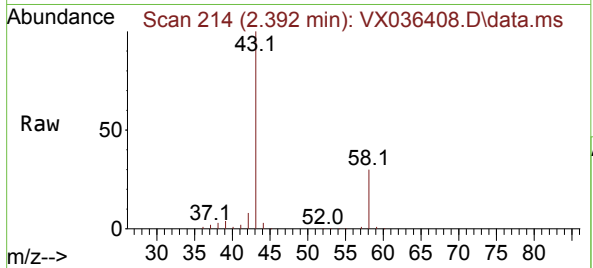




#16
Acetone
Concen: 209.628 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

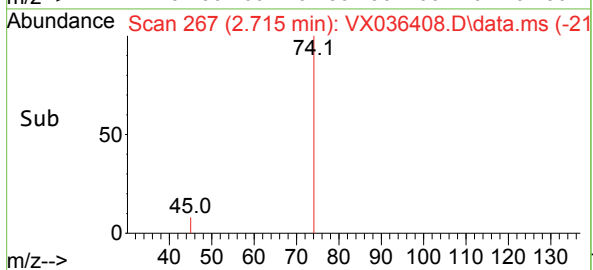
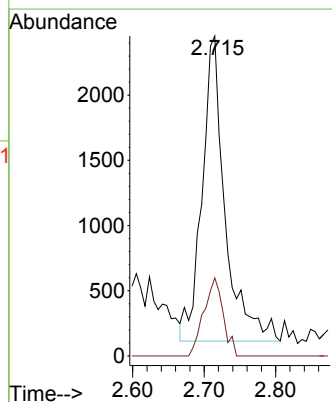
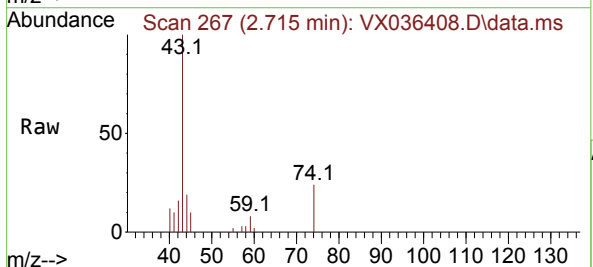
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

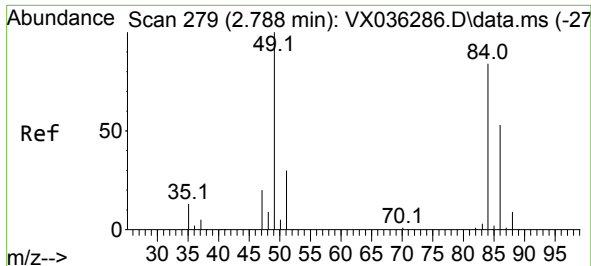
Tgt Ion: 43 Resp: 218578
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 1.224 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 43 Resp: 5248
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8

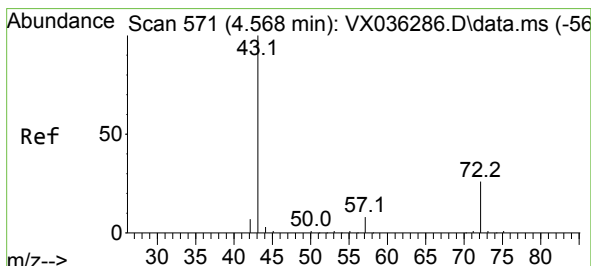
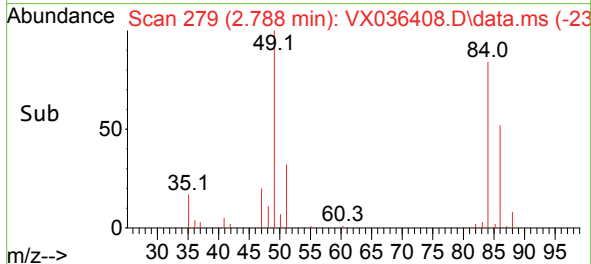
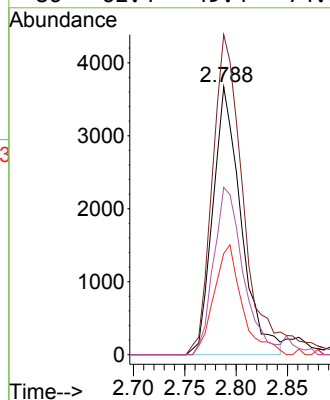
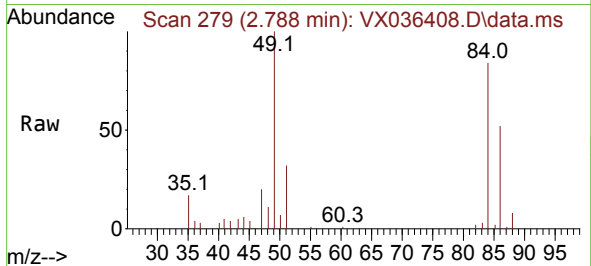




#20
Methylene Chloride
Concen: 3.119 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

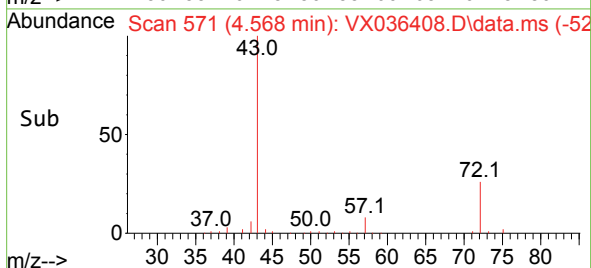
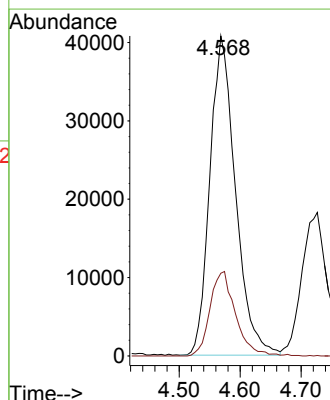
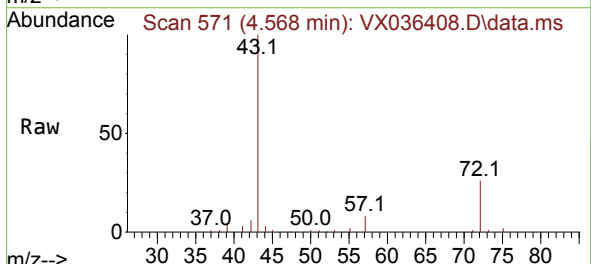
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

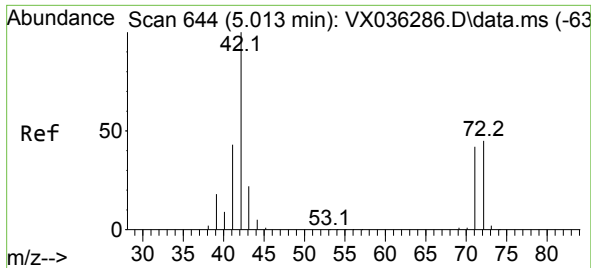
Tgt Ion: 84	Resp: 7002		
Ion	Ratio	Lower	Upper
84	100		
49	119.4	103.6	155.4
51	37.8	33.8	50.6
86	62.4	49.4	74.0



#25
2-Butanone
Concen: 79.497 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 43	Resp: 119098
Ion Ratio	Lower Upper
43 100	
72 25.9	19.4 29.2

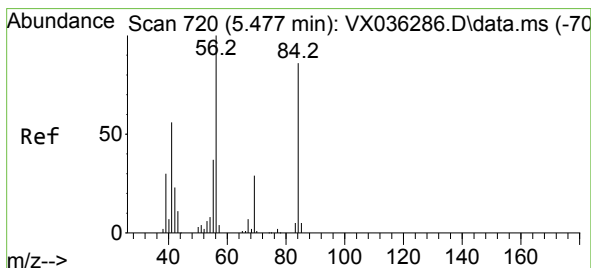
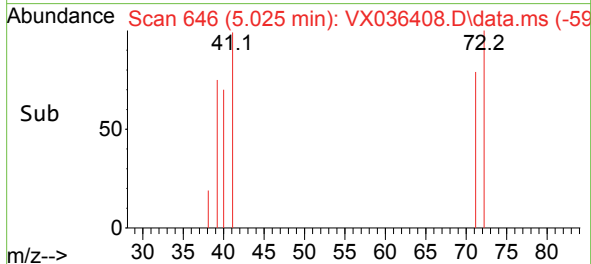
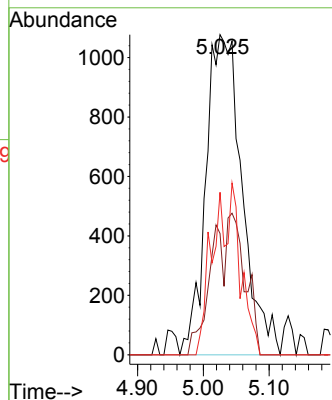
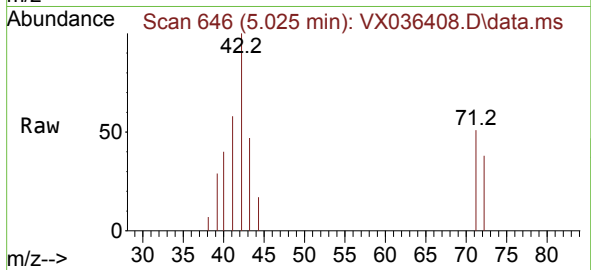




#29
Tetrahydrofuran
Concen: 4.317 ug/l
RT: 5.025 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

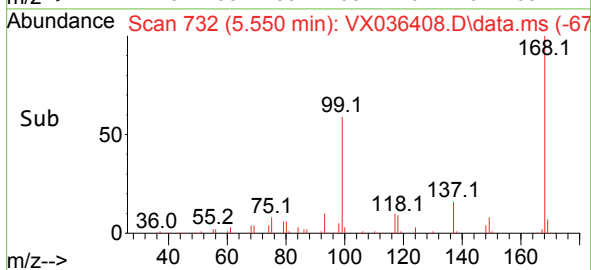
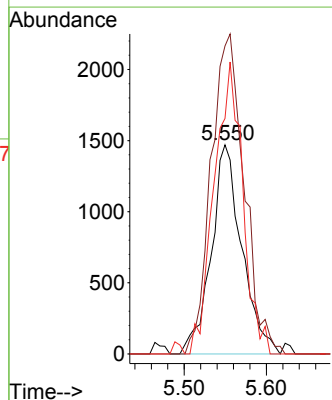
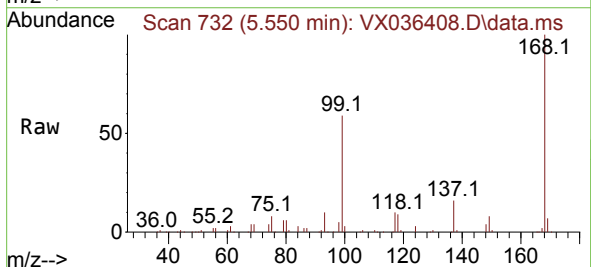
Instrument :
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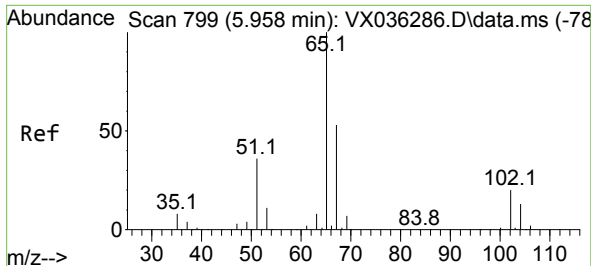
Tgt Ion: 42 Resp: 4118
Ion Ratio Lower Upper
42 100
72 17.7 34.2 51.4#
71 19.6 32.2 48.2#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 147.3 23.4 35.2#
84 112.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Instrument :

MSVOA_X

ClientSampleId :

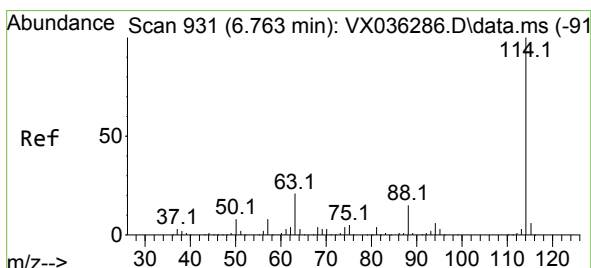
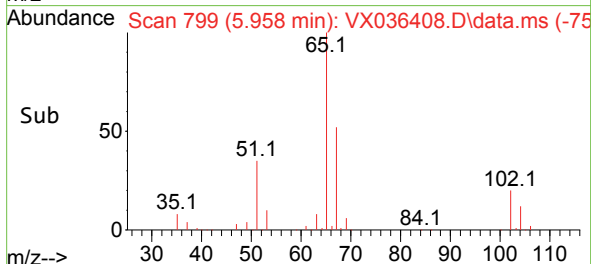
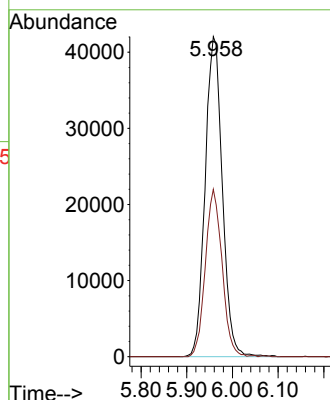
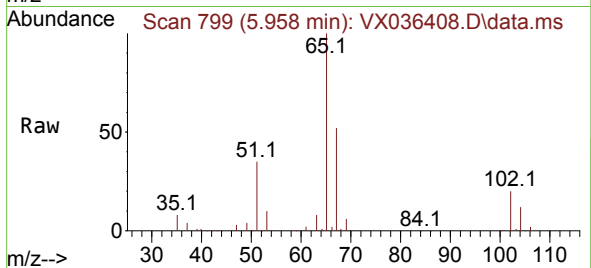
PB153983ZHE#09

Tgt Ion: 65 Resp: 109854

Ion Ratio Lower Upper

65 100

67 50.8 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: VX036408.D

Acq: 05 Jul 2023 16:54

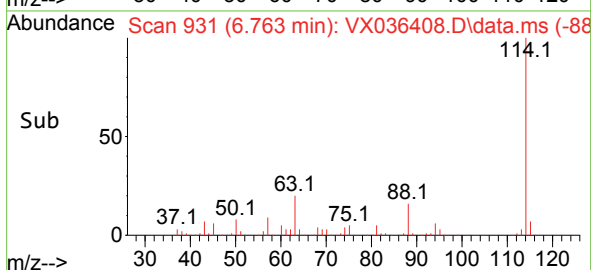
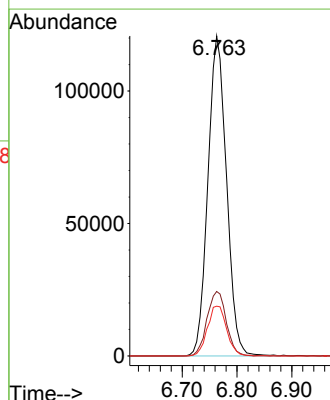
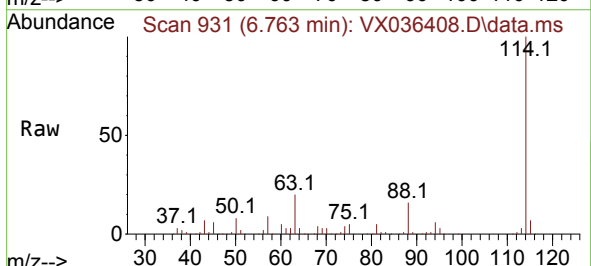
Tgt Ion: 114 Resp: 283941

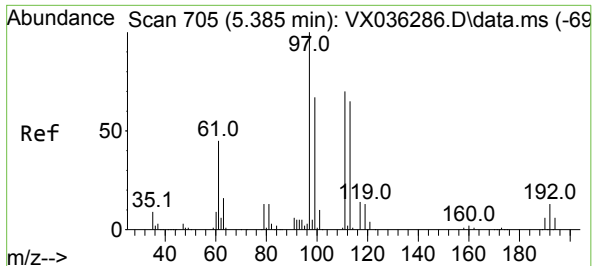
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 15.5 0.0 36.6

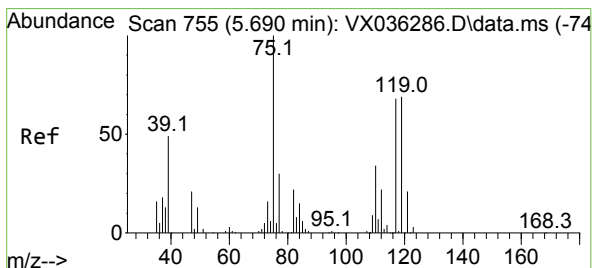
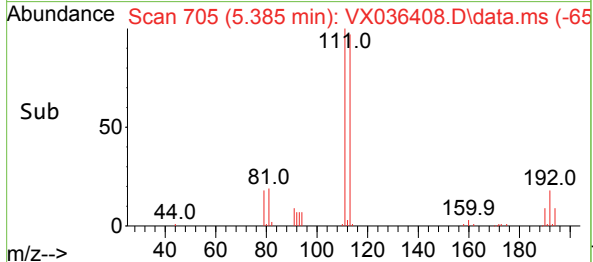
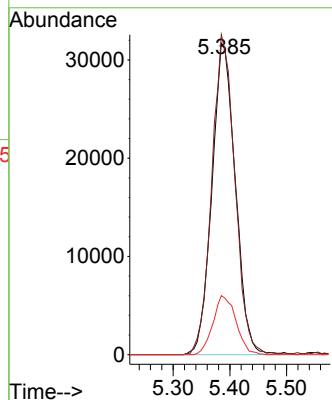
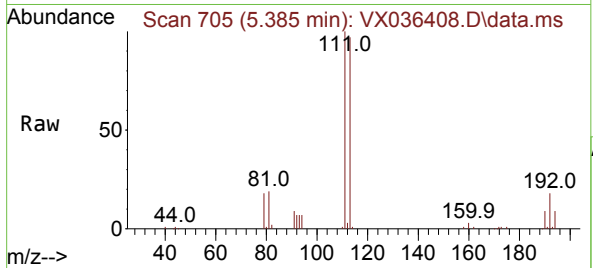




#35
Dibromofluoromethane
Concen: 48.484 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

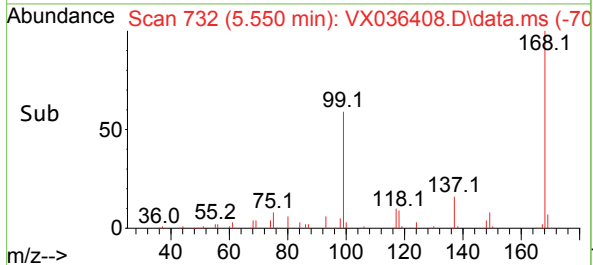
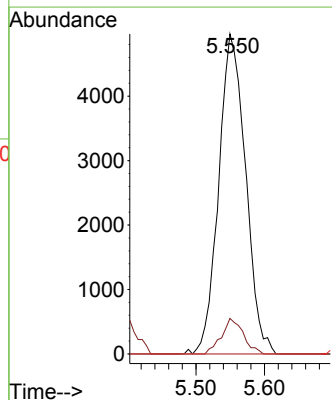
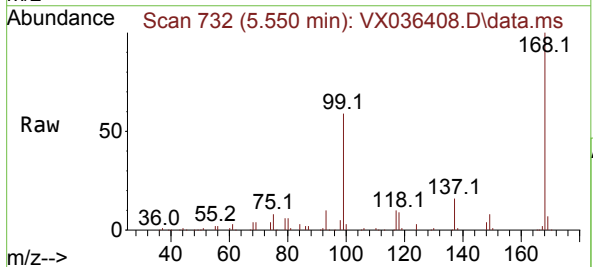
Instrument :
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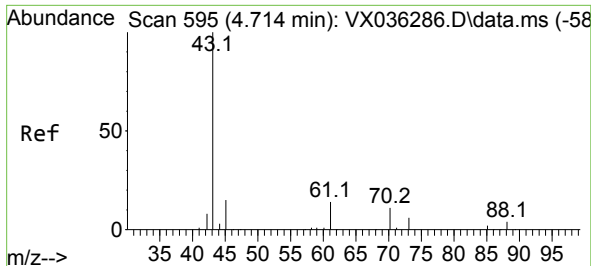
Tgt Ion:113 Resp: 90773
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 75 Resp: 13532
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 18.673 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.013 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

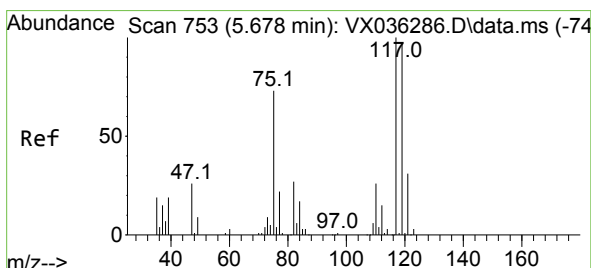
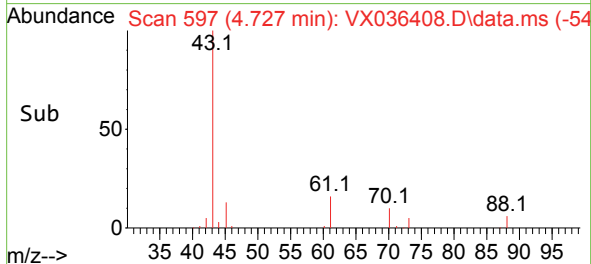
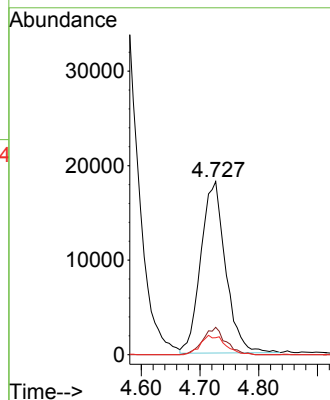
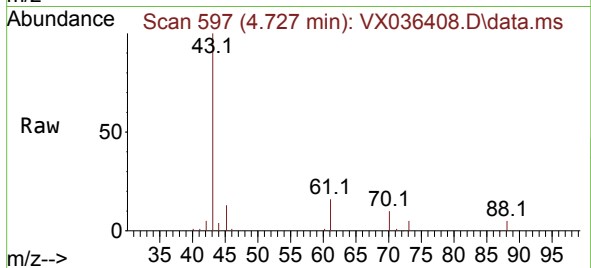
Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#09

Tgt Ion: 43	Resp: 53115
Ion Ratio	Lower Upper
43	100
61	14.6 10.6 16.0
70	11.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.879 ug/l

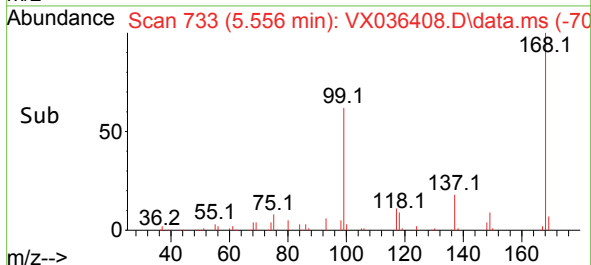
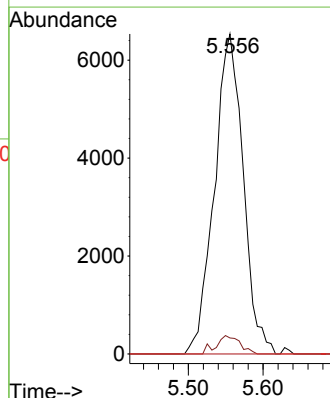
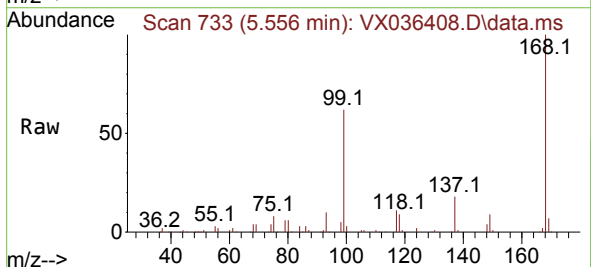
RT: 5.556 min Scan# 733

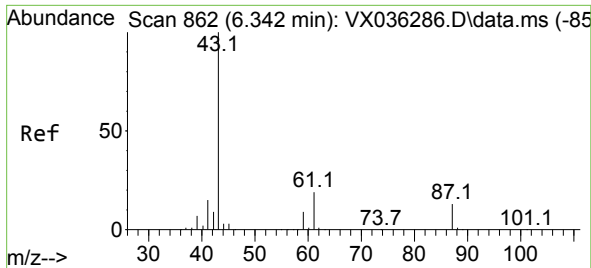
Delta R.T. -0.122 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Tgt Ion: 117	Resp: 17535
Ion Ratio	Lower Upper
117	100
119	5.0 78.2 117.2#
121	0.0 24.4 36.6#

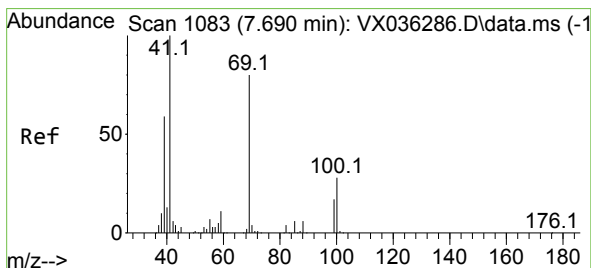
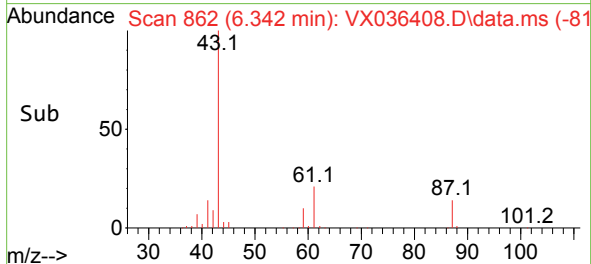
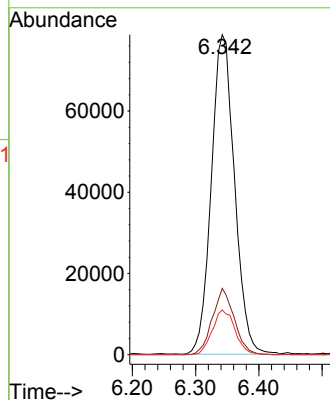
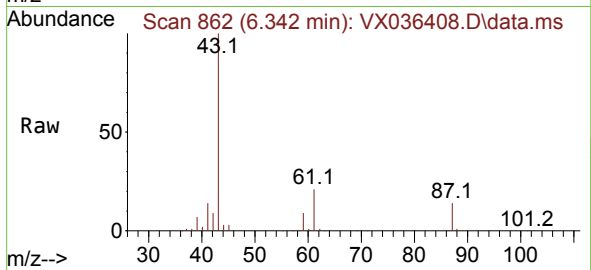




#43
Isopropyl Acetate
Concen: 44.203 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

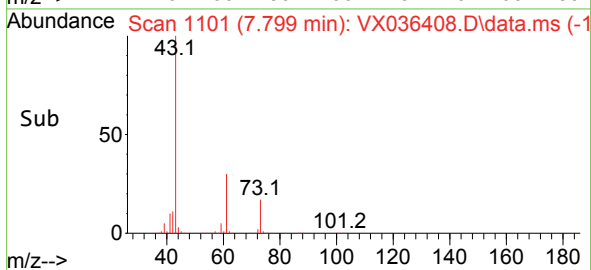
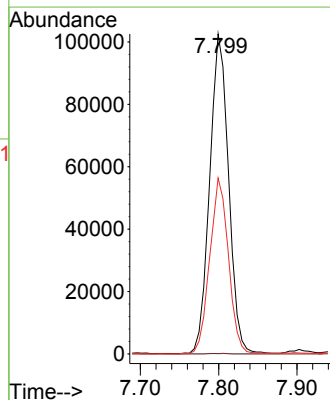
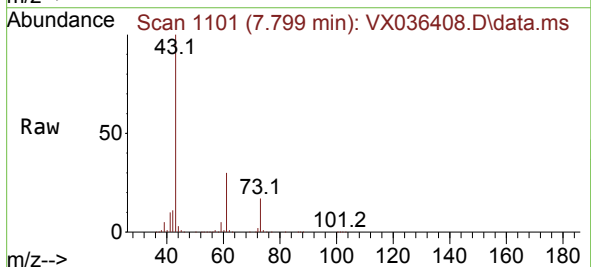
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

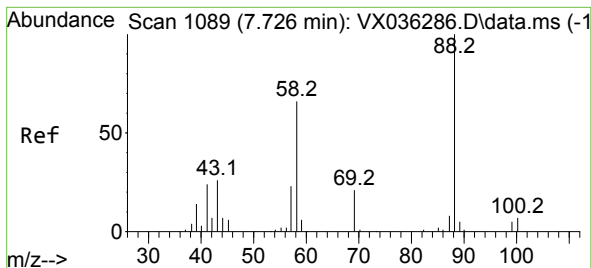
Tgt Ion: 43 Resp: 200576
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 75.844 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 41 Resp: 171594
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.7 47.7 71.5





#49

1,4-Dioxane

Concen: 0.379 ug/l

RT: 7.677 min Scan# 1089

Delta R.T. -0.055 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

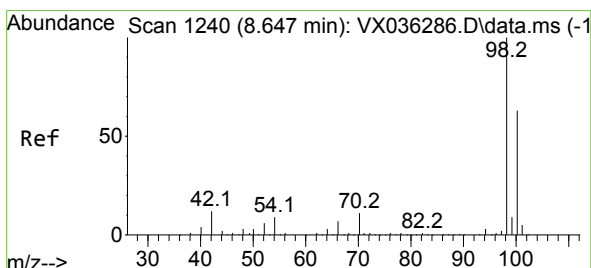
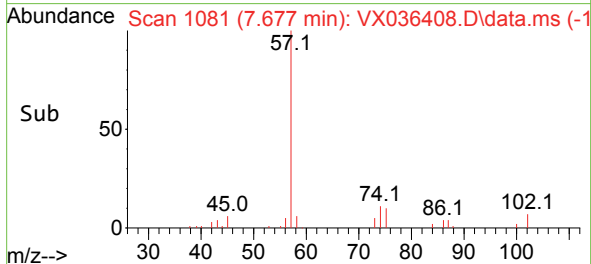
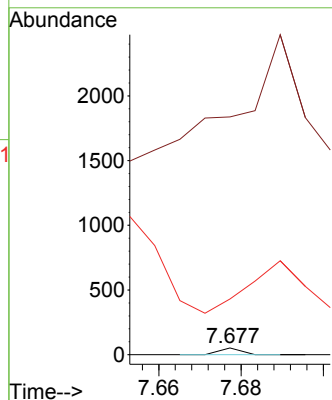
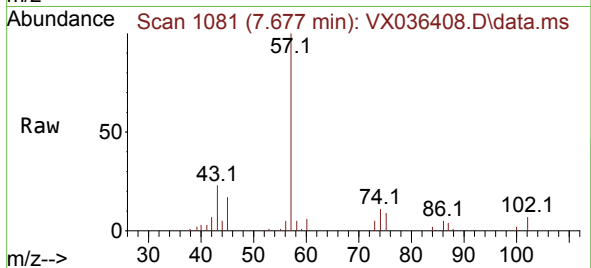
Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#09

Tgt Ion: 88	Resp: 19
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	6515.8 60.1 90.1#



#50

Toluene-d8

Concen: 48.647 ug/l

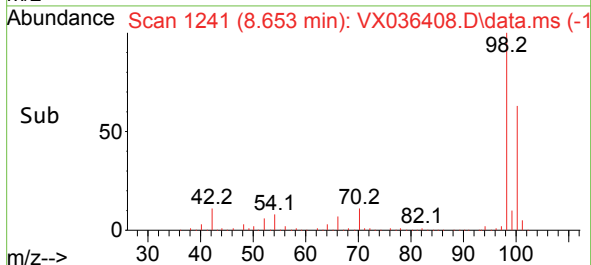
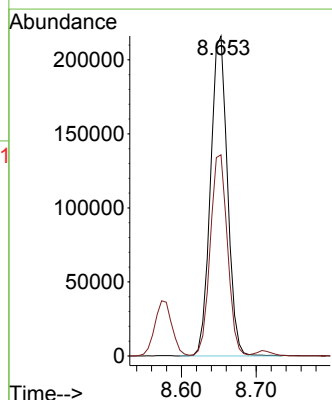
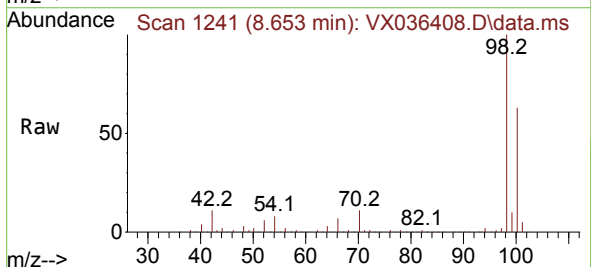
RT: 8.653 min Scan# 1241

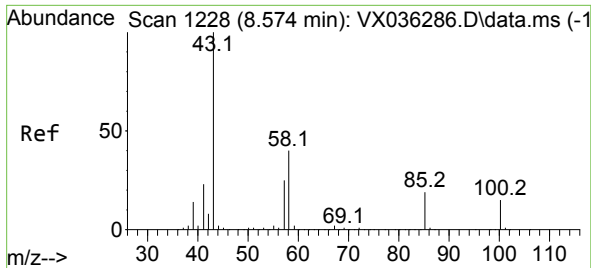
Delta R.T. 0.007 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Tgt Ion: 98	Resp: 340176
Ion Ratio	Lower Upper
98	100
100	63.9 53.1 79.7

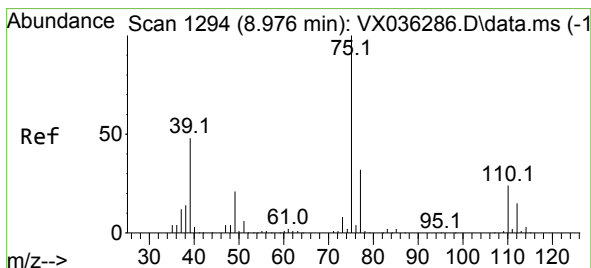
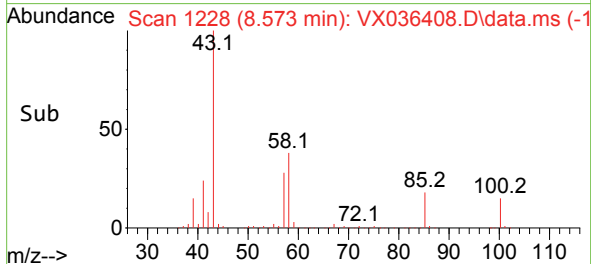
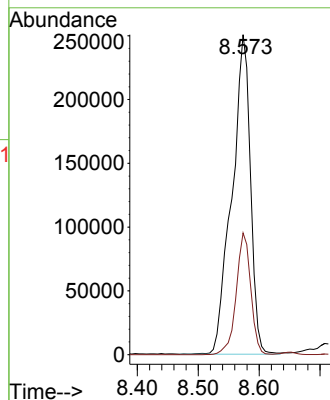
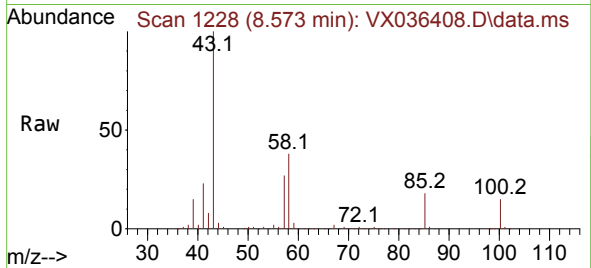




#51
4-Methyl-2-Pentanone
Concen: 181.125 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

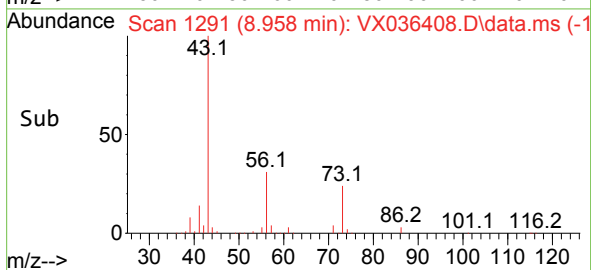
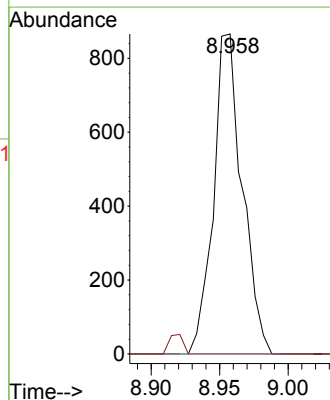
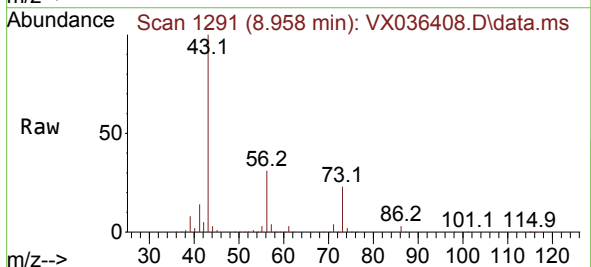
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

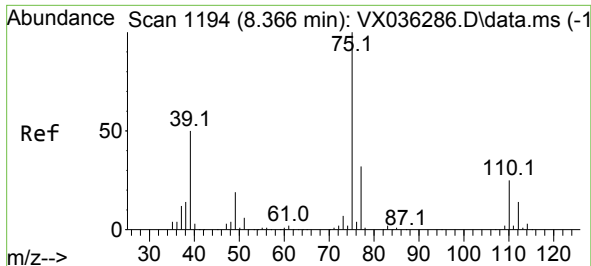
Tgt Ion: 43 Resp: 529506
Ion Ratio Lower Upper
43 100
58 29.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.462 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 75 Resp: 1260
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

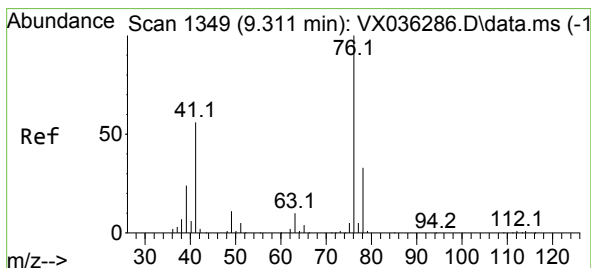
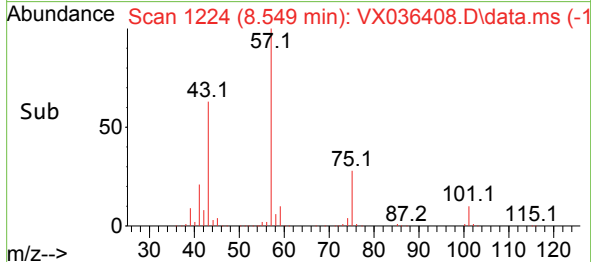
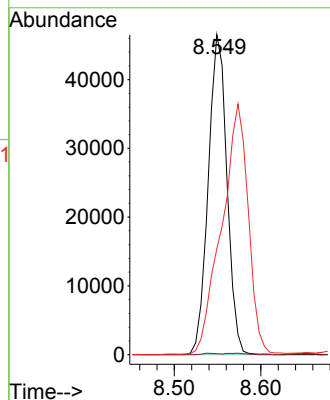
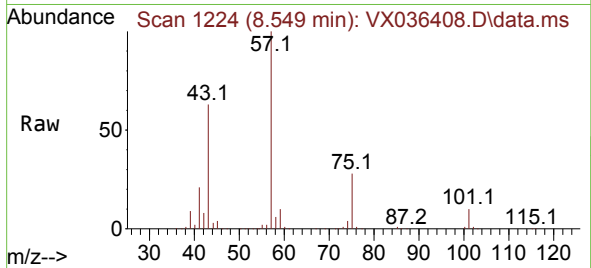




#54
 cis-1,3-Dichloropropene
 Concen: 22.619 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036408.D
 Acq: 05 Jul 2023 16:54

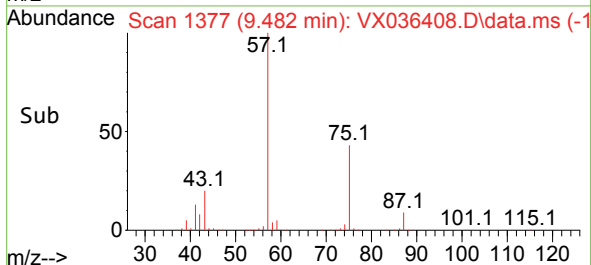
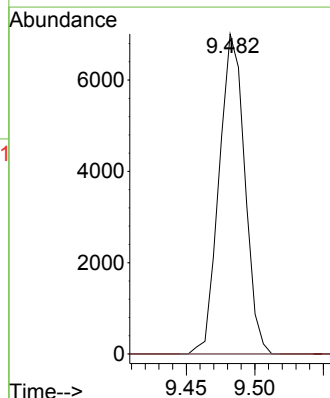
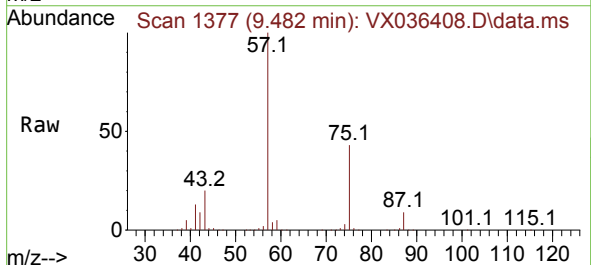
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#09

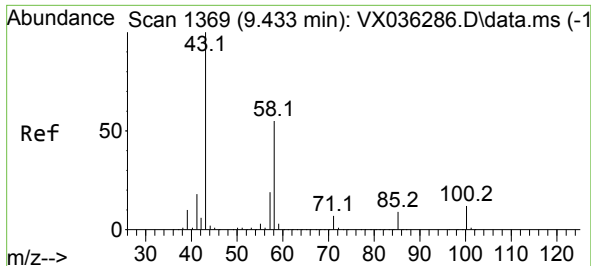
Tgt Ion: 75 Resp: 69811
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 32.9 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.593 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036408.D
 Acq: 05 Jul 2023 16:54

Tgt Ion: 76 Resp: 9125
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

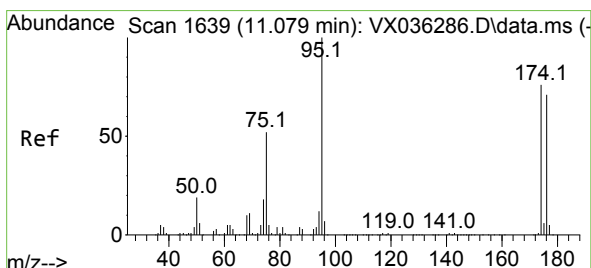
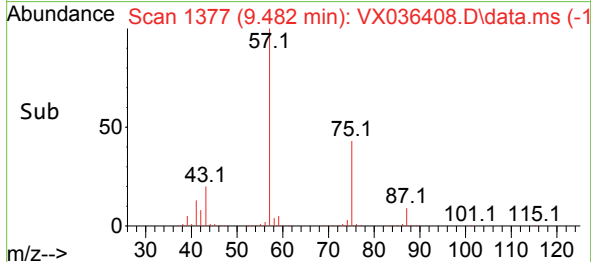
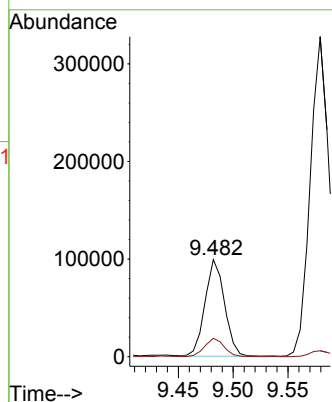
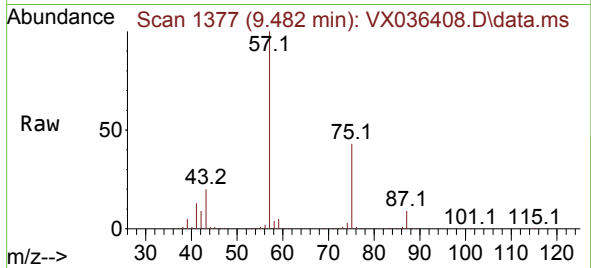




#59
2-Hexanone
Concen: 57.319 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

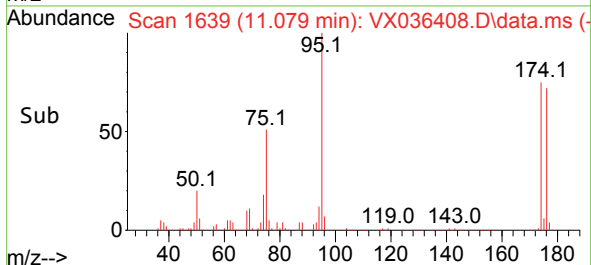
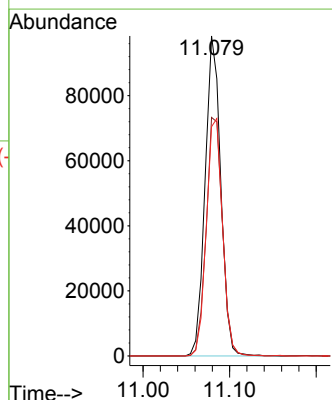
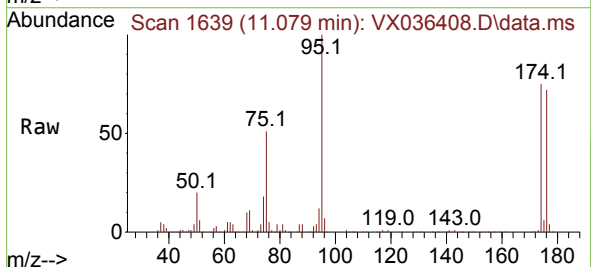
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

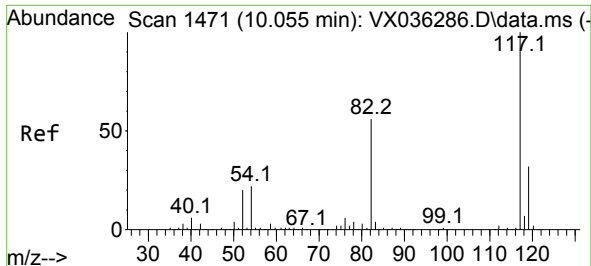
Tgt Ion: 43 Resp: 122368
Ion Ratio Lower Upper
43 100
58 19.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion: 95 Resp: 123230
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 76.8 0.0 131.0

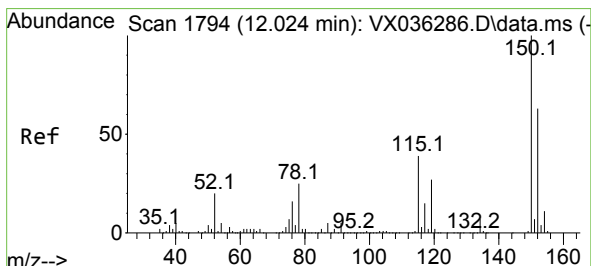
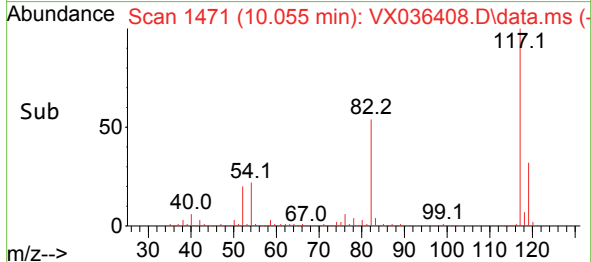
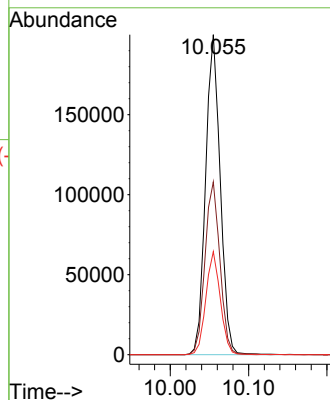
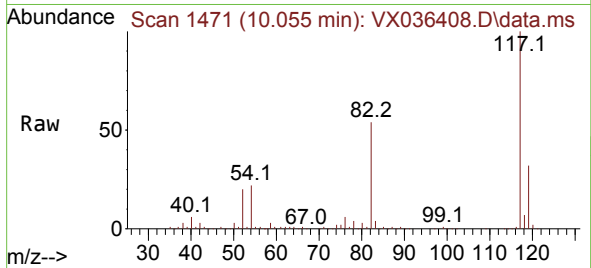




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

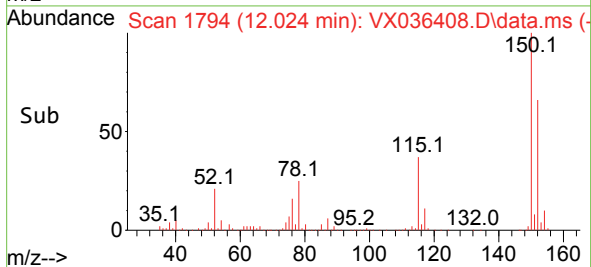
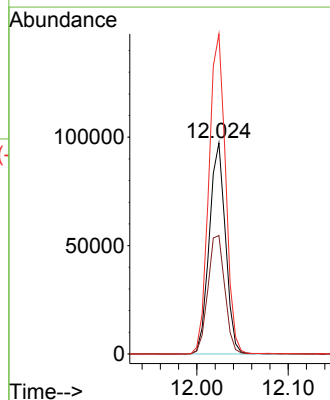
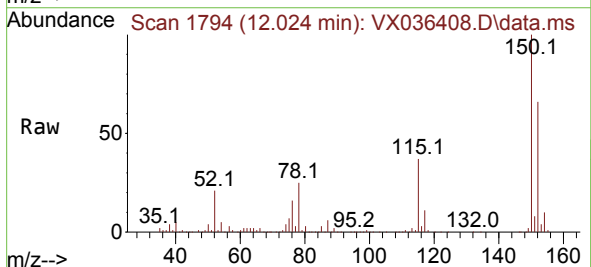
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#09

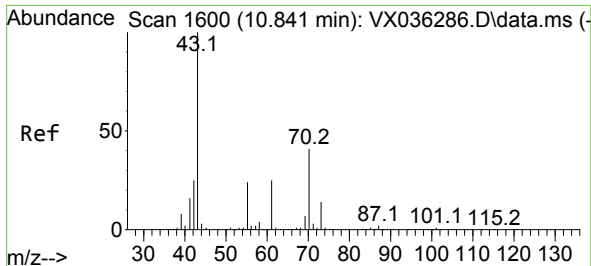
Tgt Ion:117 Resp: 259102
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

Tgt Ion:152 Resp: 119533
Ion Ratio Lower Upper
152 100
115 58.7 43.3 129.9
150 156.3 0.0 345.0

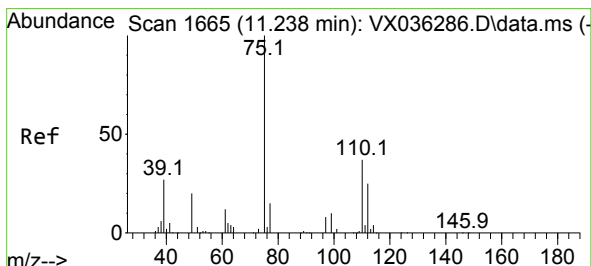
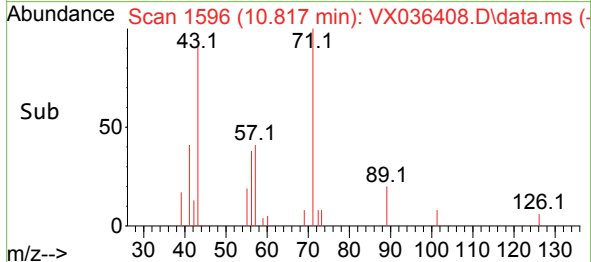
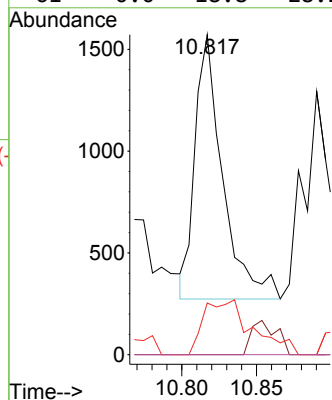
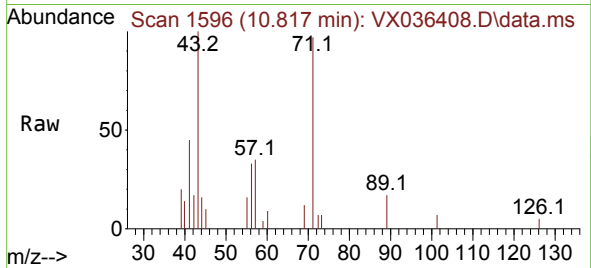




#74
N-amy1 acetate
Concen: 0.467 ug/l
RT: 10.817 min Scan# 1665
Delta R.T. -0.024 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

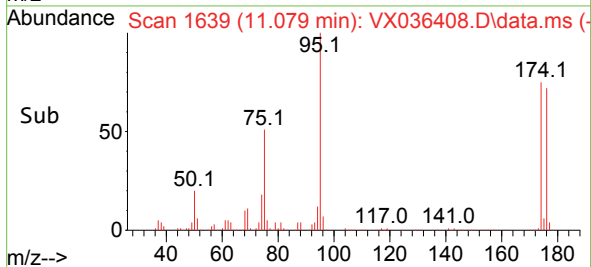
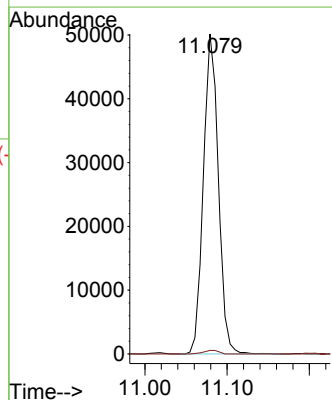
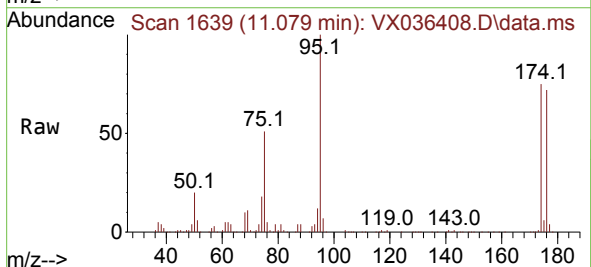
Instrument : MSVOA_X
ClientSampleId : PB153983ZHE#09

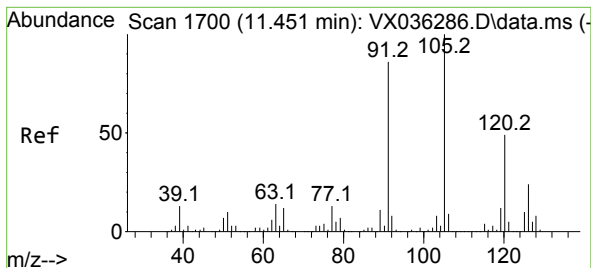
Tgt Ion	43	70	55	61
Ratio	100	0.0	0.0	0.0
Lower		32.9	19.3	18.8
Upper		49.3#	28.9#	28.2#



#76
1,2,3-Trichloropropane
Concen: 24.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036408.D
Acq: 05 Jul 2023 16:54

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





#80

1,3,5-Trimethylbenzene

Concen: 0.200 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Instrument :

MSVOA_X

ClientSampleId :

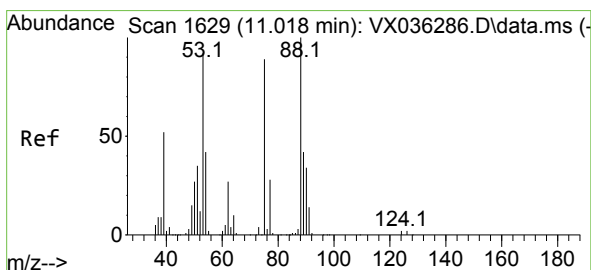
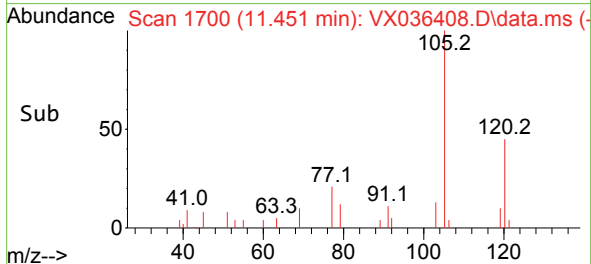
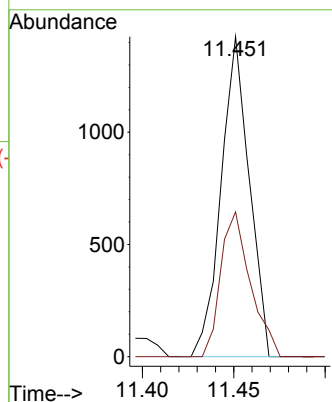
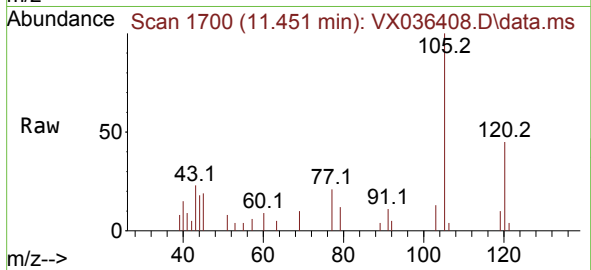
PB153983ZHE#09

Tgt Ion:105 Resp: 1526

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 81.002 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036408.D

Acq: 05 Jul 2023 16:54

Tgt Ion: 75 Resp: 63357

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

