

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036482.D
 Acq On : 10 Jul 2023 14:57
 Operator : JC/MD
 Sample : PB154051ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#04

Quant Time: Jul 11 01:29:28 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)

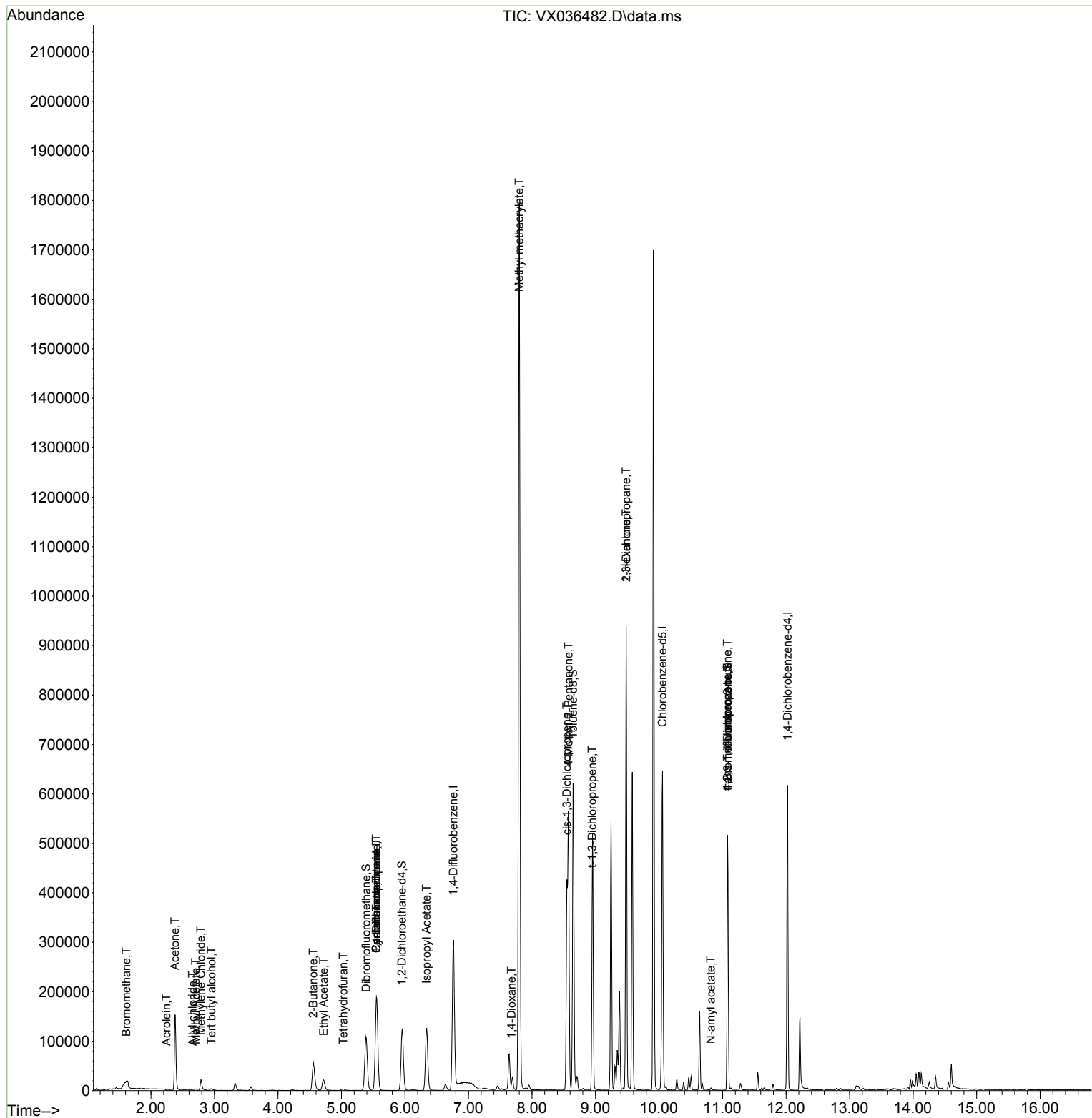
Internal Standards						
1) Pentafluorobenzene	5.550	168	177179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115639	45.532	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.060%
35) Dibromofluoromethane	5.385	113	94825	47.641	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.280%
50) Toluene-d8	8.647	98	375724	50.540	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.080%
62) 4-Bromofluorobenzene	11.079	95	132574	50.628	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.260%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	840	0.361	ug/l	87
11) Tert butyl alcohol	2.953	59	4712	10.192	ug/l #	90
13) Acrolein	2.239	56	218	0.343	ug/l #	59
14) Allyl chloride	2.654	41	870	0.266	ug/l #	74
16) Acetone	2.380	43	165853	152.782	ug/l	92
18) Methyl Acetate	2.703	43	4201	0.941	ug/l #	89
20) Methylene Chloride	2.788	84	11270	4.822	ug/l	90
25) 2-Butanone	4.556	43	96247	61.708	ug/l	97
29) Tetrahydrofuran	5.025	42	3110	3.132	ug/l	94
31) Cyclohexane	5.550	56	4071	1.251	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	14636	4.933	ug/l #	50
37) Ethyl Acetate	4.721	43	39623	13.103	ug/l	98
38) Carbon Tetrachloride	5.550	117	18526	6.837	ug/l #	15
43) Isopropyl Acetate	6.336	43	174456	36.164	ug/l	96
48) Methyl methacrylate	7.799	41	149548	62.174	ug/l #	49
49) 1,4-Dioxane	7.677	88	19	0.356	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	431903	138.965	ug/l #	85
53) t-1,3-Dichloropropene	8.945	75	1117	0.385	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	61514	18.747	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7556	2.020	ug/l #	42
59) 2-Hexanone	9.482	43	105470	46.470	ug/l #	53
74) N-amyl acetate	10.817	43	1607	0.421	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	67974	24.907	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67974	81.190	ug/l #	5

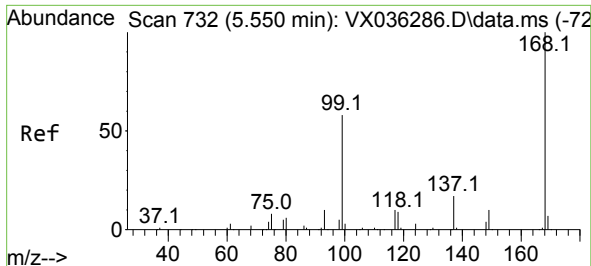
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
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Sample : PB154051ZHE#04
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Instrument :
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ClientSampleId :
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Quant Time: Jul 11 01:29:28 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

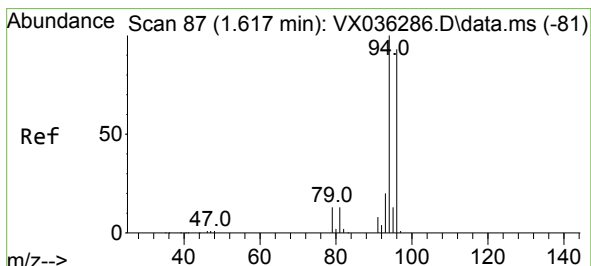
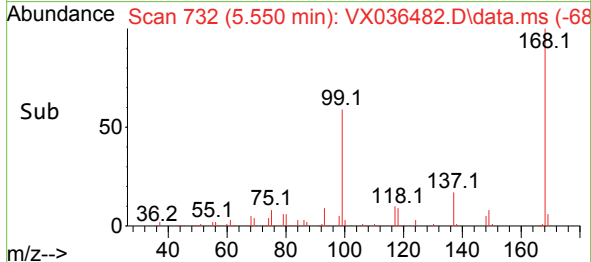
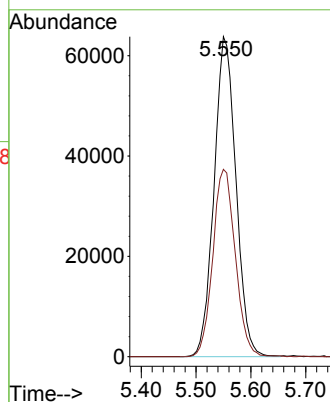
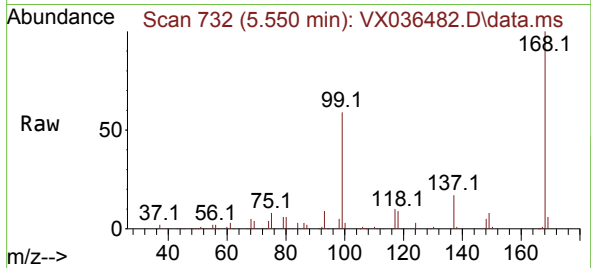




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

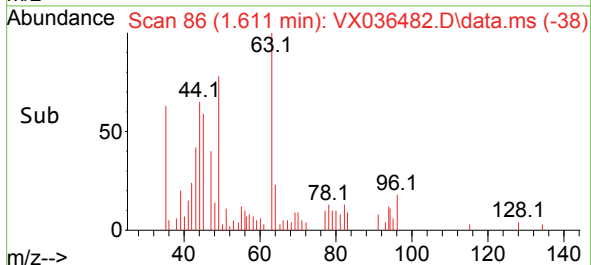
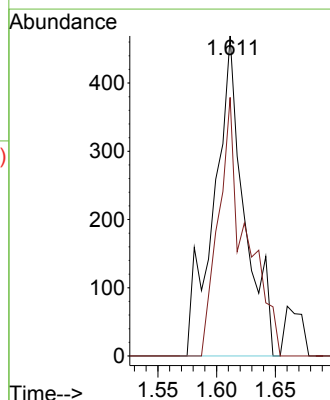
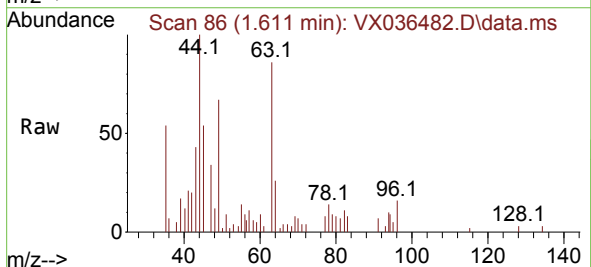
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

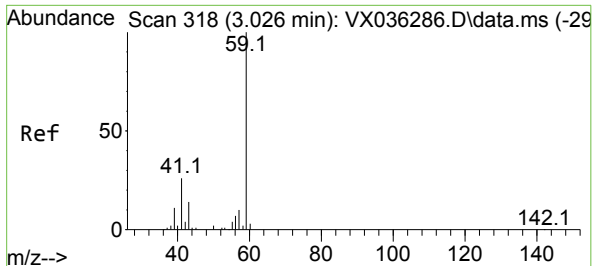
Tgt Ion:168 Resp: 177179
Ion Ratio Lower Upper
168 100
99 58.5 56.6 85.0



#5
Bromomethane
Concen: 0.361 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 94 Resp: 840
Ion Ratio Lower Upper
94 100
96 80.8 74.6 111.8





#11

Tert butyl alcohol

Concen: 10.192 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.060 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

Instrument :

MSVOA_X

ClientSampleId :

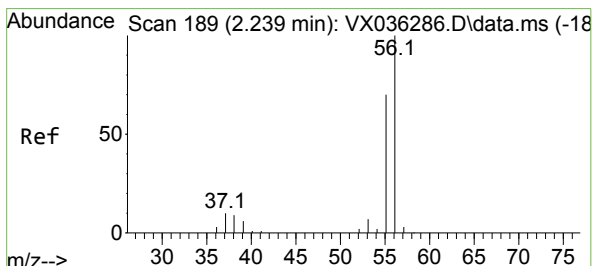
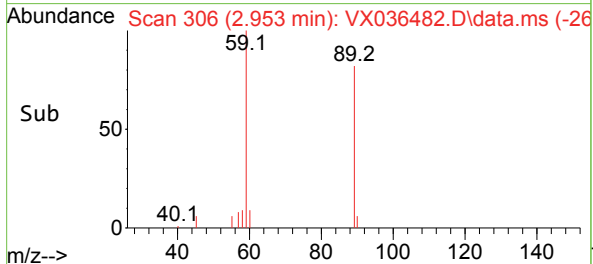
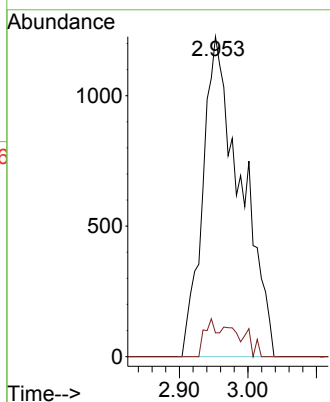
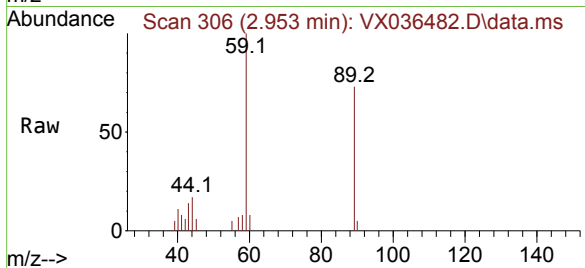
PB154051ZHE#04

Tgt Ion: 59 Resp: 4712

Ion Ratio Lower Upper

59 100

57 4.1 6.0 9.0#



#13

Acrolein

Concen: 0.343 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036482.D

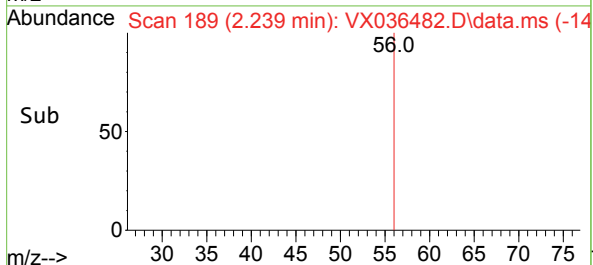
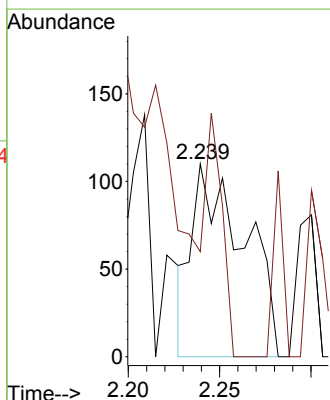
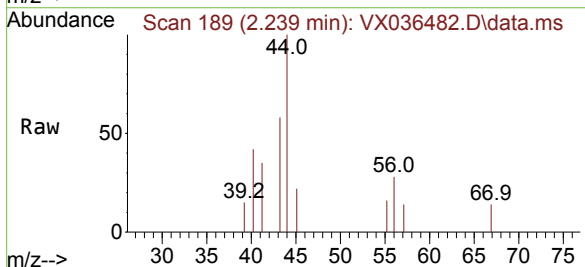
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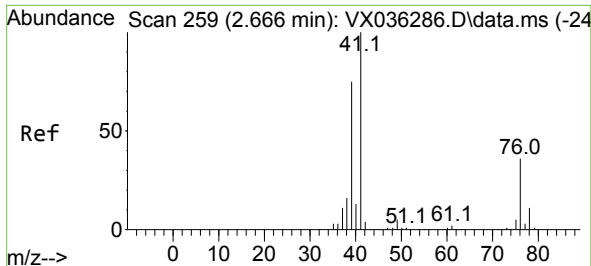
Tgt Ion: 56 Resp: 218

Ion Ratio Lower Upper

56 100

55 37.6 57.1 85.7#

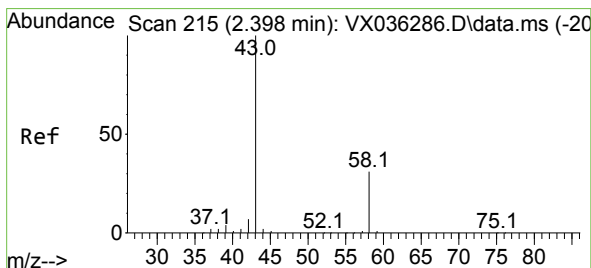
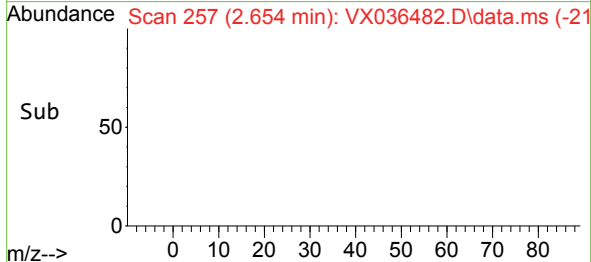
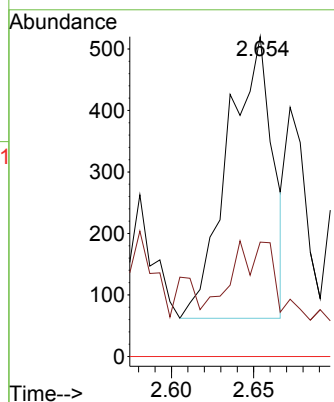
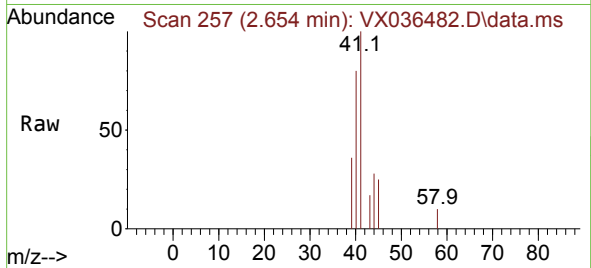




#14
 Allyl chloride
 Concen: 0.266 ug/l
 RT: 2.654 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX036482.D
 Acq: 10 Jul 2023 14:57

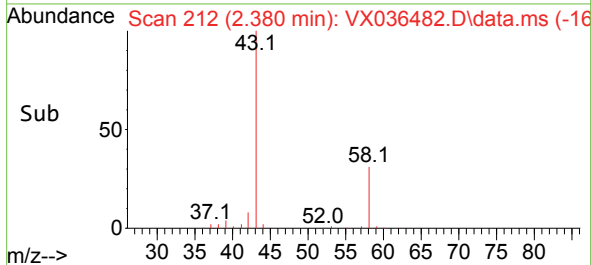
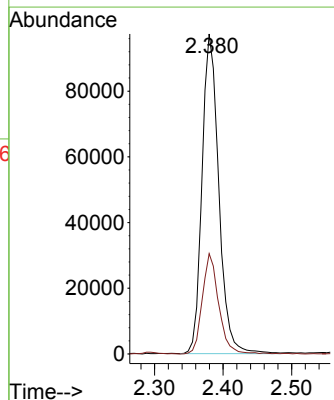
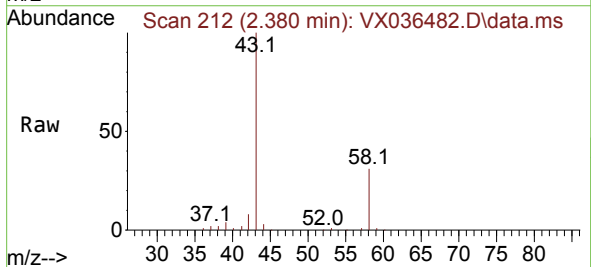
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#04

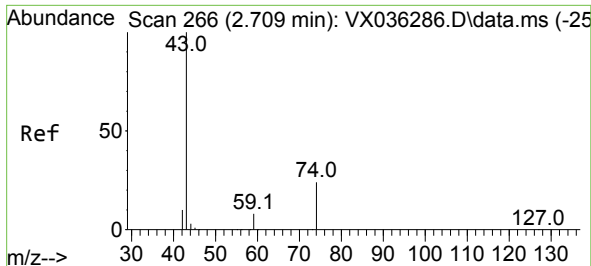
Tgt Ion: 41 Resp: 870
 Ion Ratio Lower Upper
 41 100
 39 58.9 55.8 83.6
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 152.782 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.024 min
 Lab File: VX036482.D
 Acq: 10 Jul 2023 14:57

Tgt Ion: 43 Resp: 165853
 Ion Ratio Lower Upper
 43 100
 58 31.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.941 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

Instrument :

MSVOA_X

ClientSampleId :

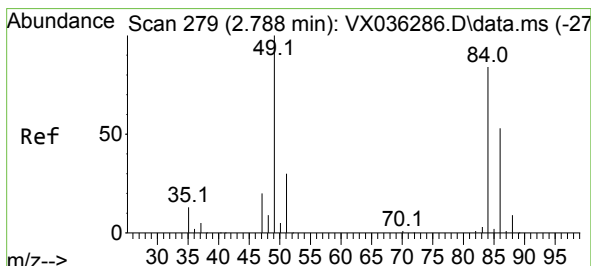
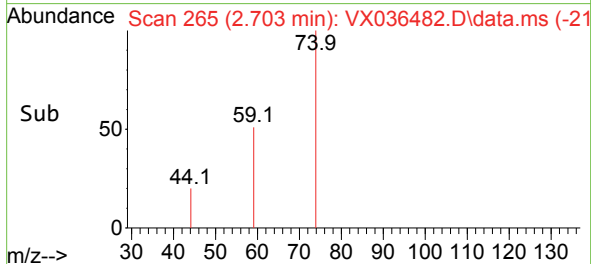
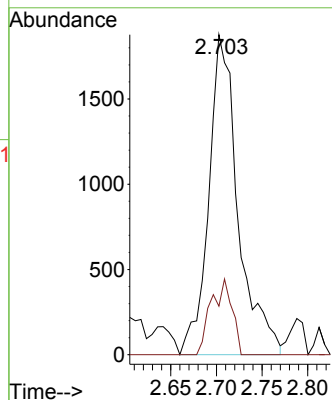
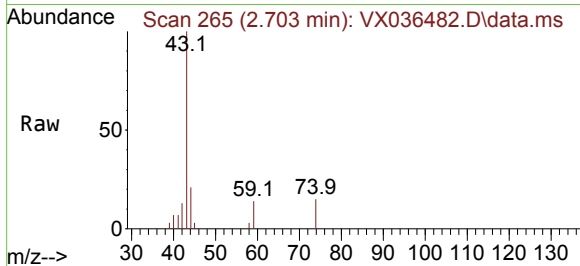
PB154051ZHE#04

Tgt Ion: 43 Resp: 4201

Ion Ratio Lower Upper

43 100

74 16.9 17.8 26.8#



#20

Methylene Chloride

Concen: 4.822 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

Tgt Ion: 84 Resp: 11270

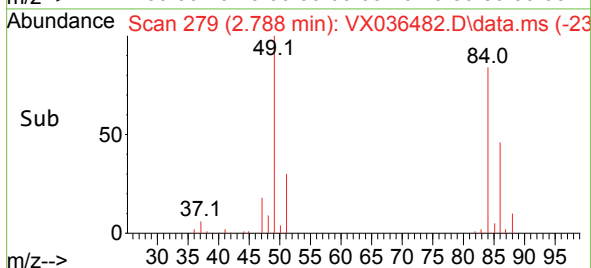
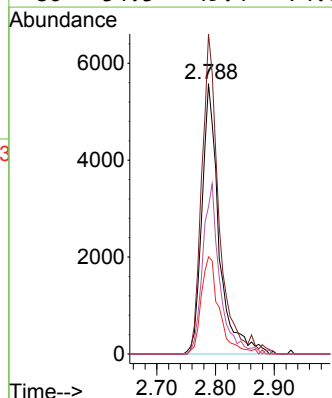
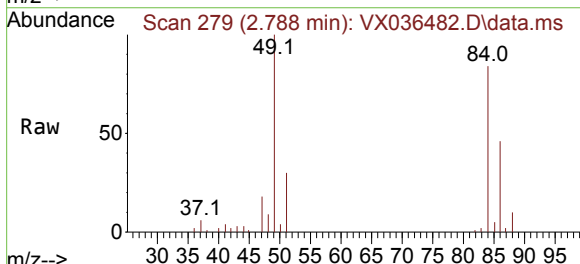
Ion Ratio Lower Upper

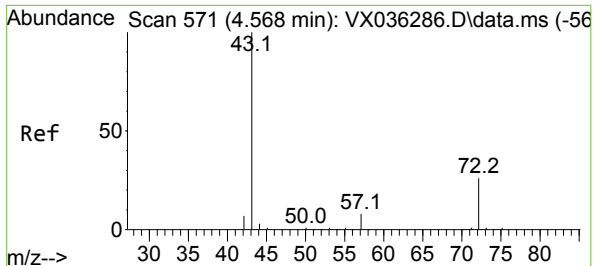
84 100

49 118.4 103.6 155.4

51 36.0 33.8 50.6

86 54.5 49.4 74.0

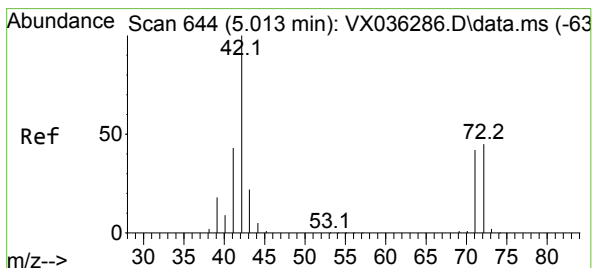
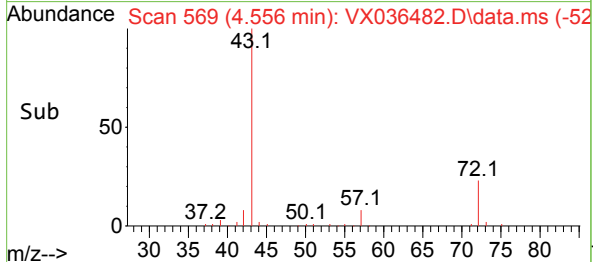
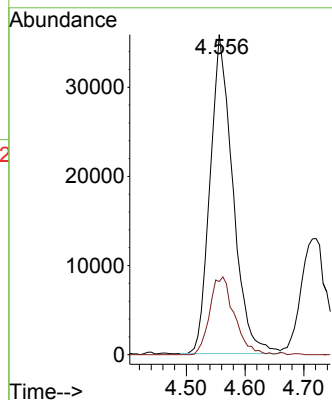
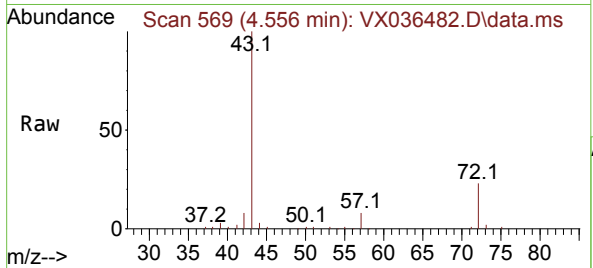




#25
2-Butanone
Concen: 61.708 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.012 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

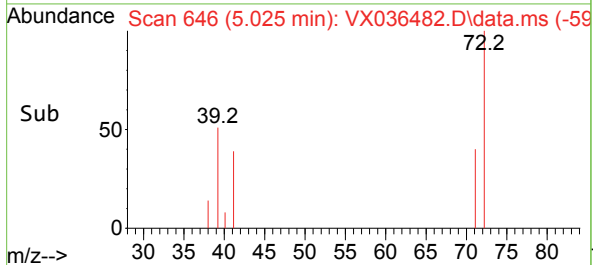
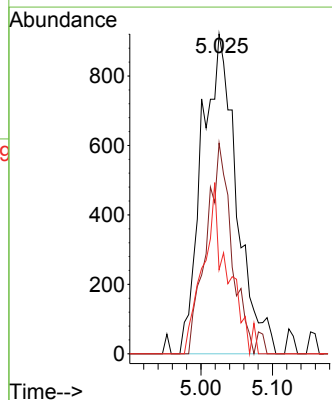
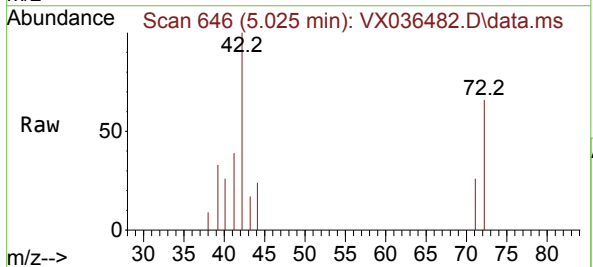
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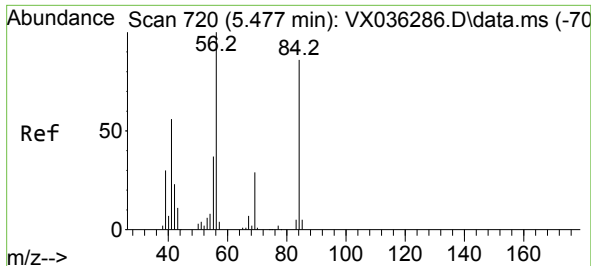
Tgt Ion: 43 Resp: 96247
Ion Ratio Lower Upper
43 100
72 22.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 3.132 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 42 Resp: 3110
Ion Ratio Lower Upper
42 100
72 48.0 34.2 51.4
71 37.7 32.2 48.2

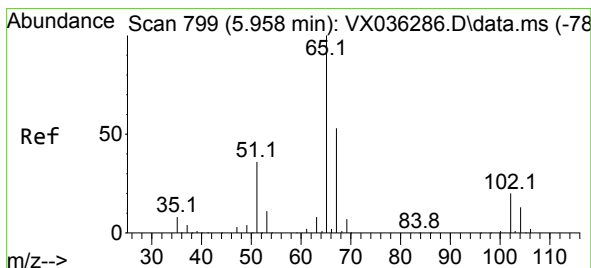
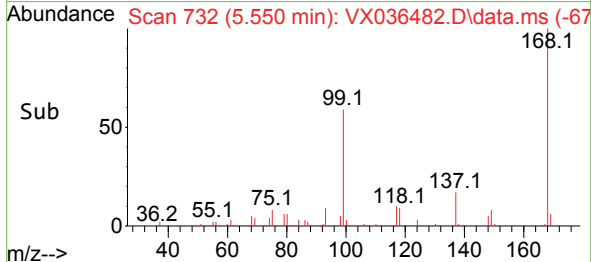
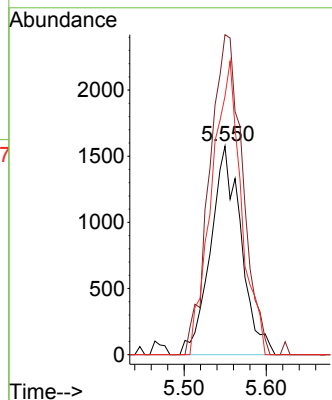
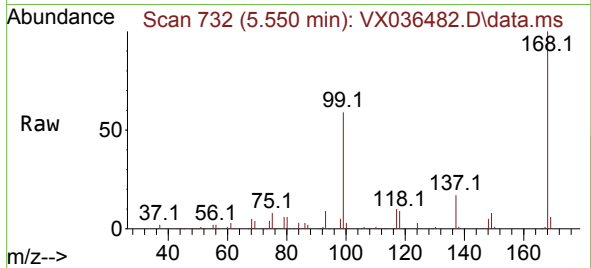




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

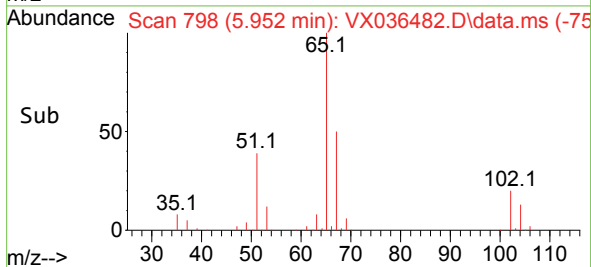
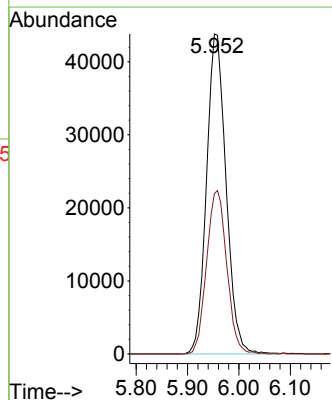
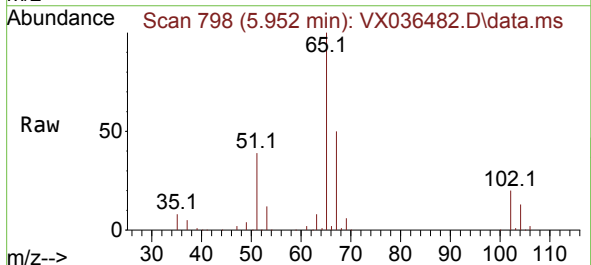
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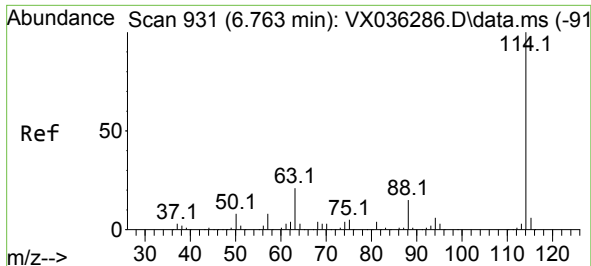
Tgt Ion: 56 Resp: 4071
Ion Ratio Lower Upper
56 100
69 153.5 23.4 35.2#
84 123.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.532 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 65 Resp: 115639
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#04

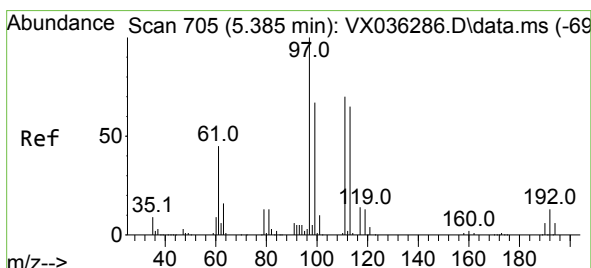
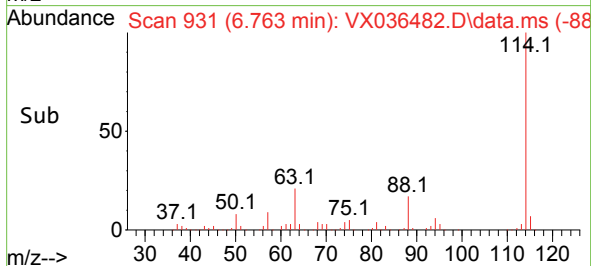
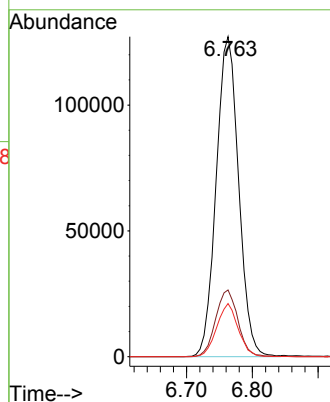
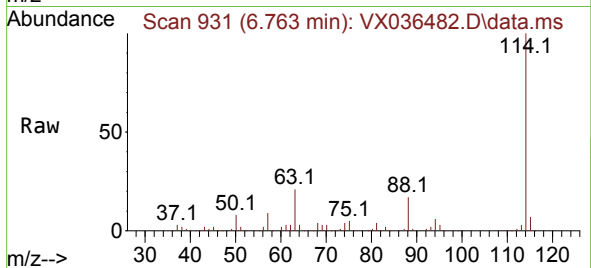
Tgt Ion:114 Resp: 301867

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.641 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

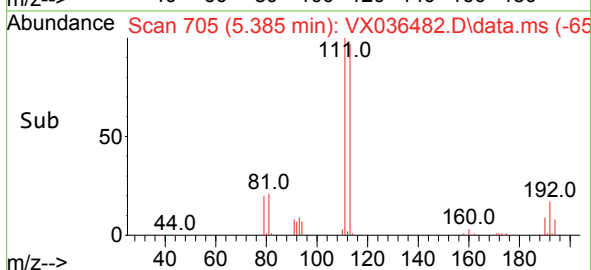
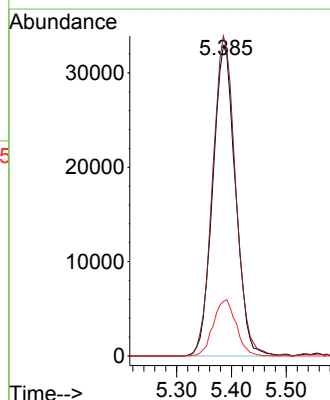
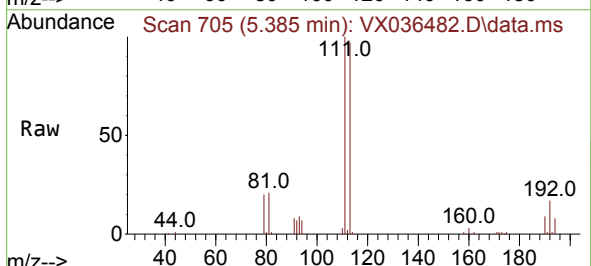
Tgt Ion:113 Resp: 94825

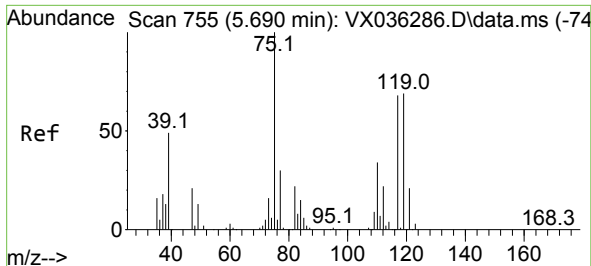
Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

192 18.2 13.3 19.9

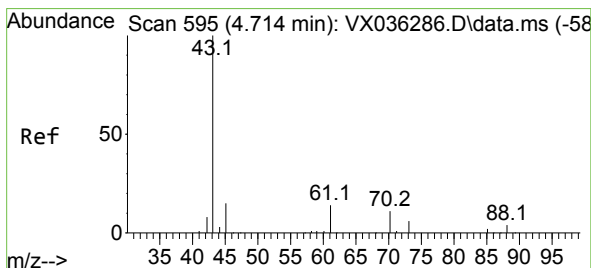
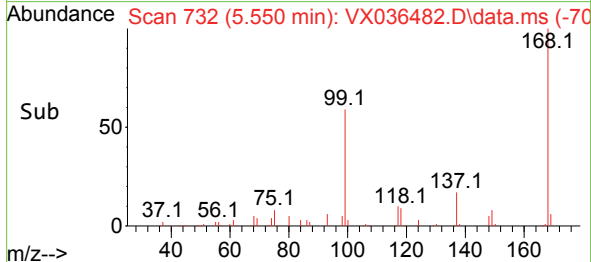
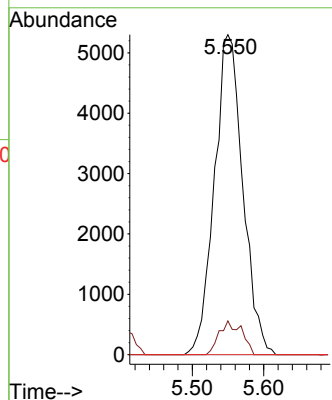
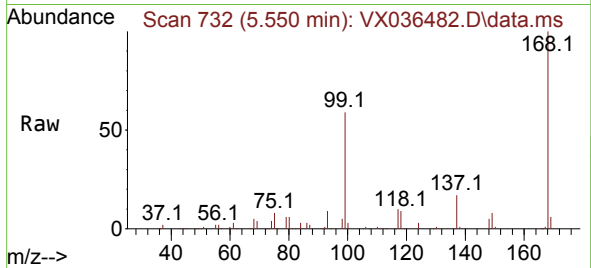




#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

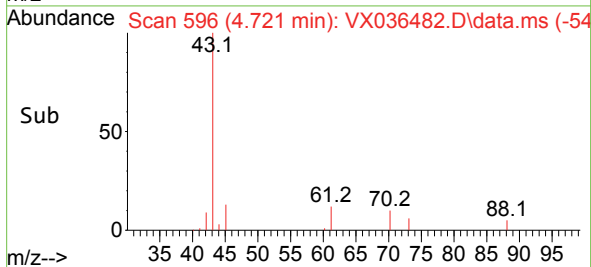
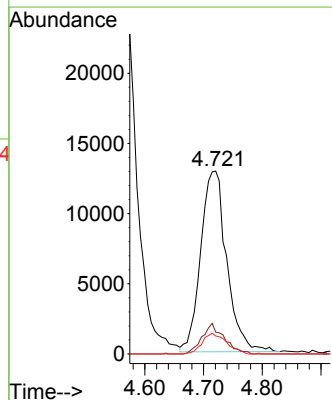
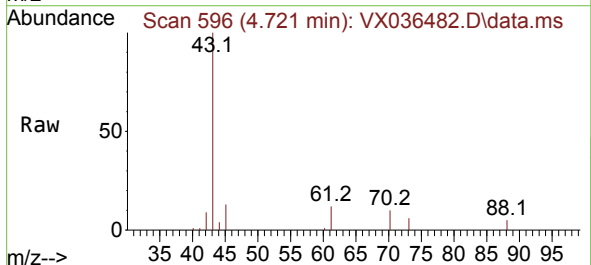
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

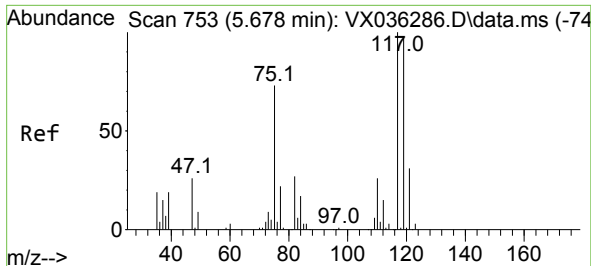
Tgt Ion: 75 Resp: 14636
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 13.103 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

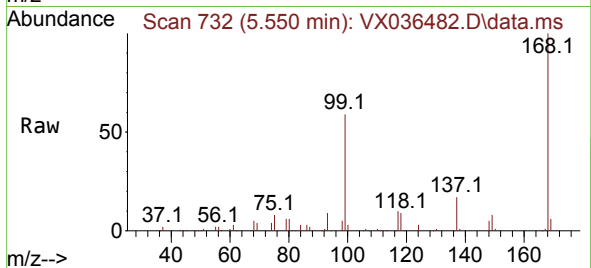
Tgt Ion: 43 Resp: 39623
Ion Ratio Lower Upper
43 100
61 14.3 10.6 16.0
70 10.7 8.3 12.5



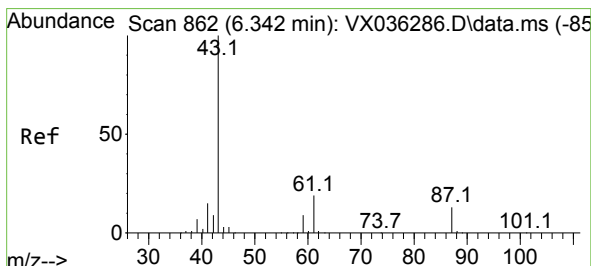
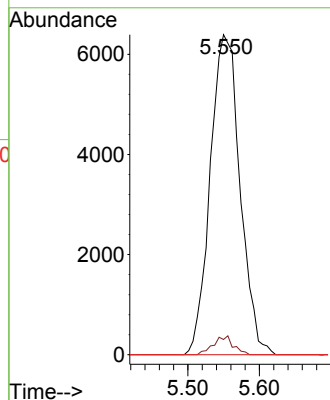
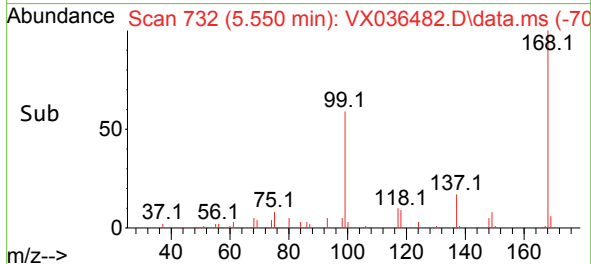


#38
Carbon Tetrachloride
Concen: 6.837 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

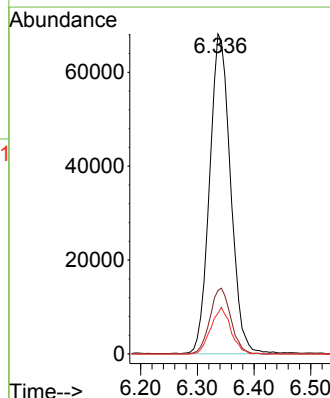
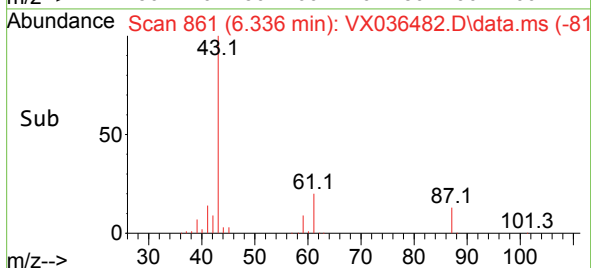
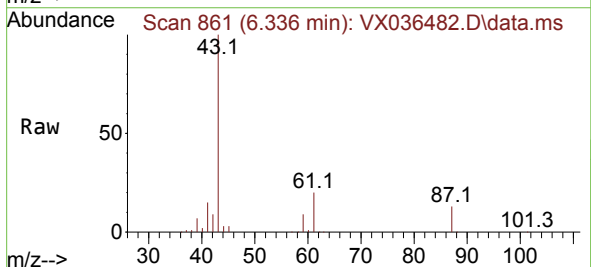


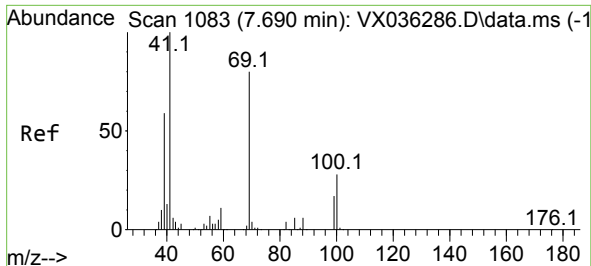
Tgt Ion:117 Resp: 18526
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 36.164 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 43 Resp: 174456
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 13.8 9.8 14.6

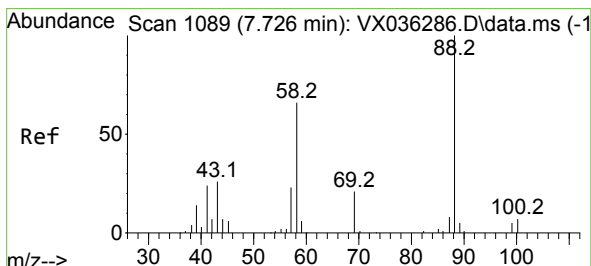
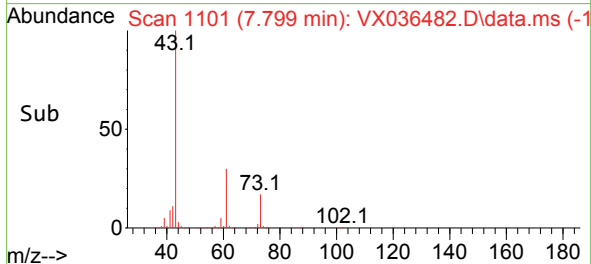
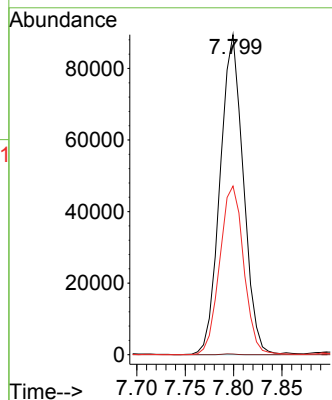
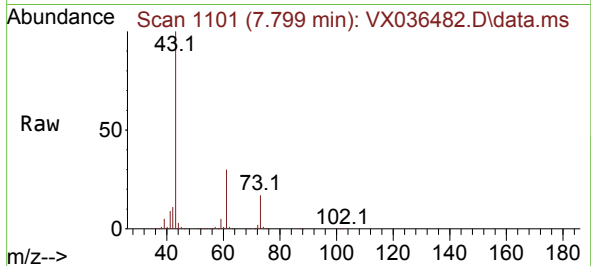




#48
Methyl methacrylate
Concen: 62.174 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

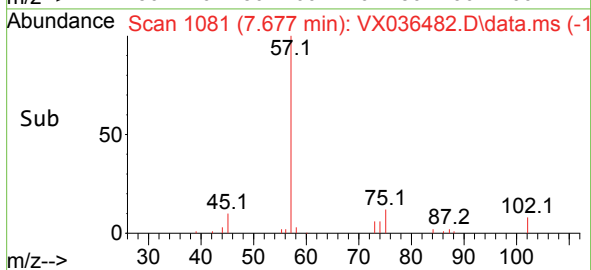
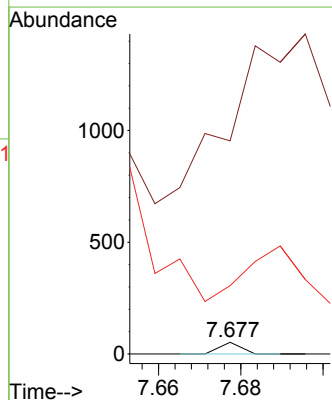
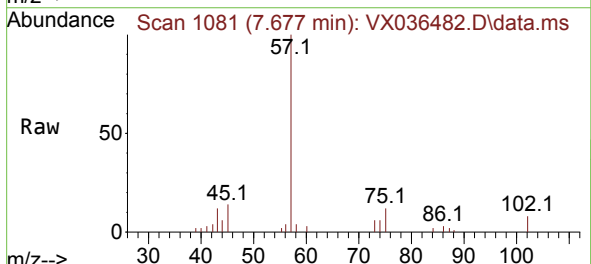
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

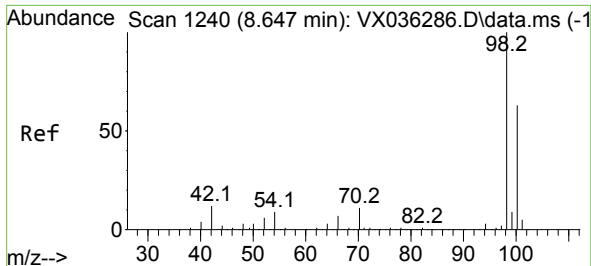
Tgt Ion: 41 Resp: 149548
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.5 47.7 71.5



#49
1,4-Dioxane
Concen: 0.356 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.055 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 4284.2 60.1 90.1#

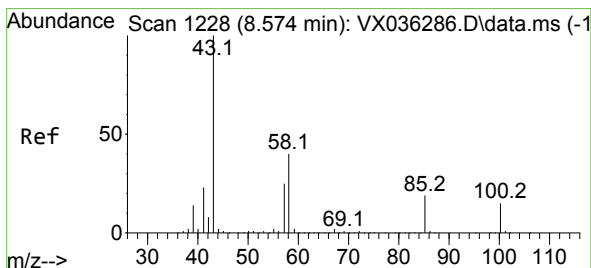
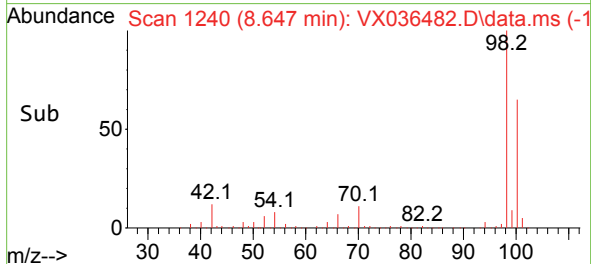
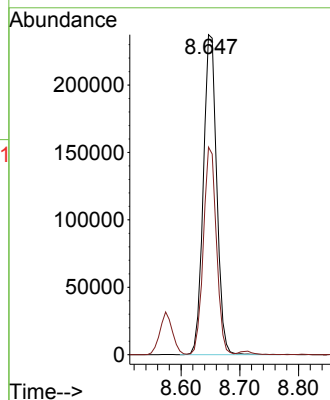
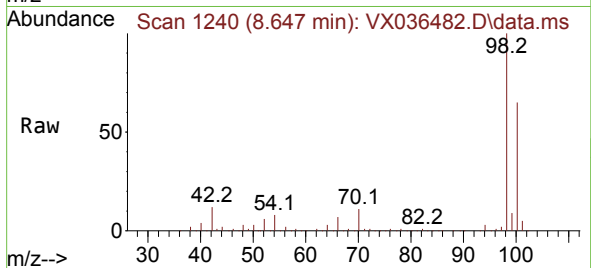




#50
Toluene-d8
Concen: 50.540 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

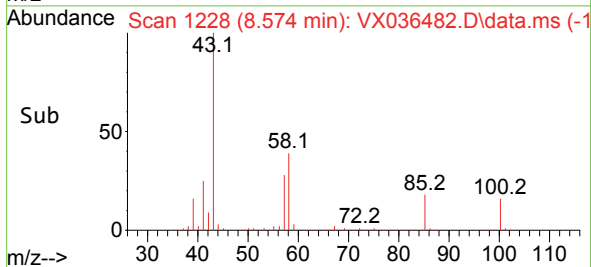
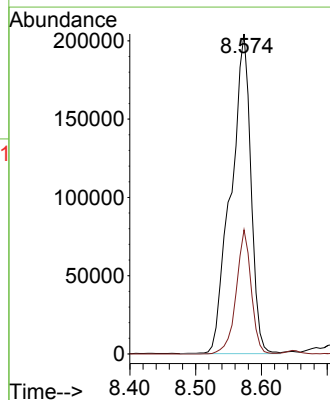
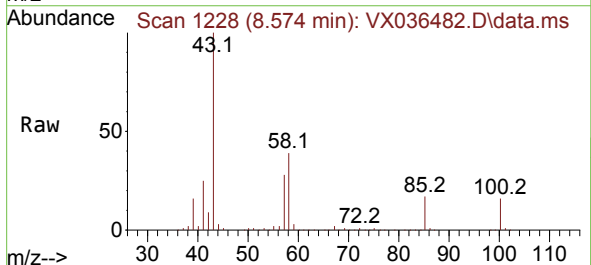
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

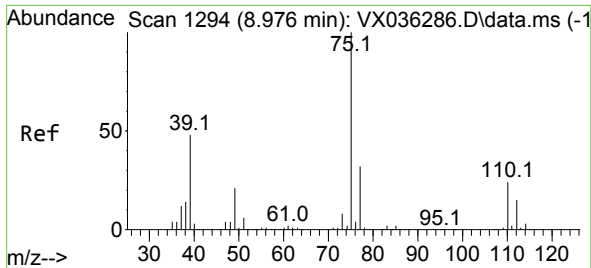
Tgt Ion: 98 Resp: 375724
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 138.965 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 43 Resp: 431903
Ion Ratio Lower Upper
43 100
58 29.2 30.4 45.6#

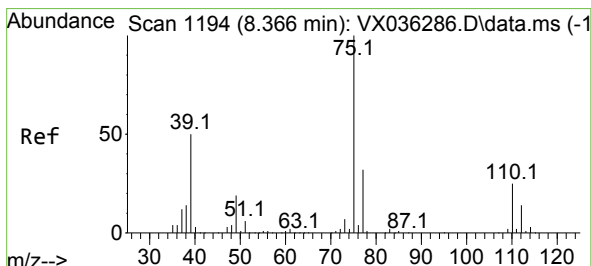
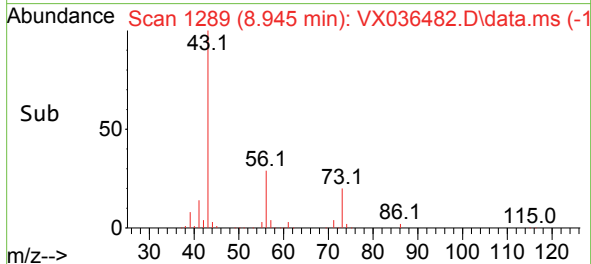
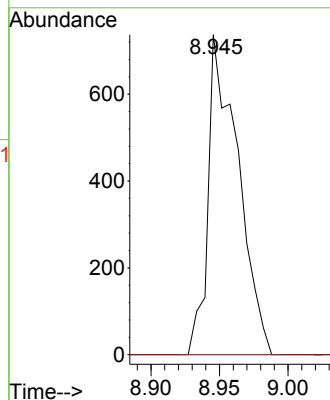
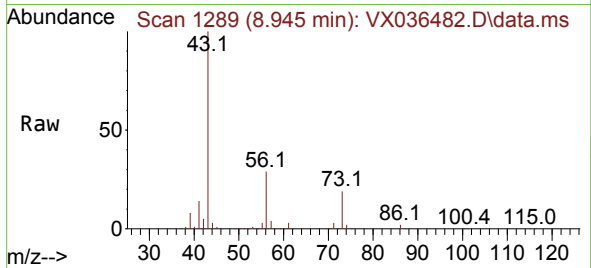




#53
 t-1,3-Dichloropropene
 Concen: 0.385 ug/l
 RT: 8.945 min Scan# 1117
 Delta R.T. -0.031 min
 Lab File: VX036482.D
 Acq: 10 Jul 2023 14:57

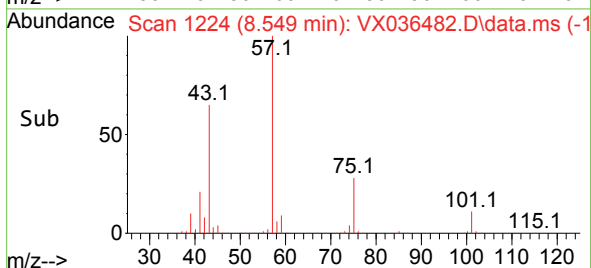
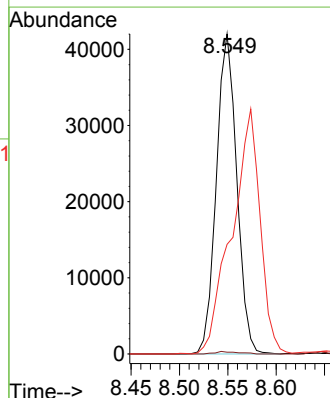
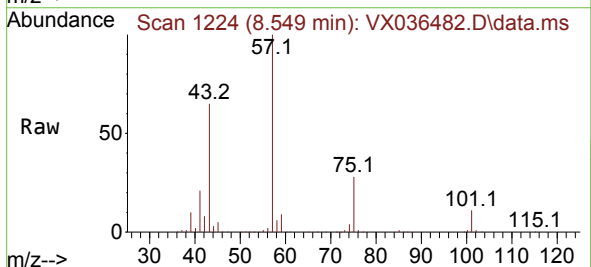
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#04

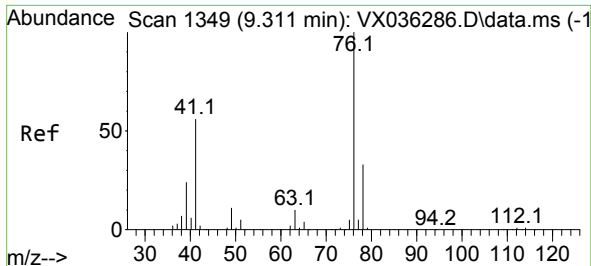
Tgt Ion: 75 Resp: 1117
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.747 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036482.D
 Acq: 10 Jul 2023 14:57

Tgt Ion: 75 Resp: 61514
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.020 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036482.D

Acq: 10 Jul 2023 14:57

Instrument :

MSVOA_X

ClientSampleId :

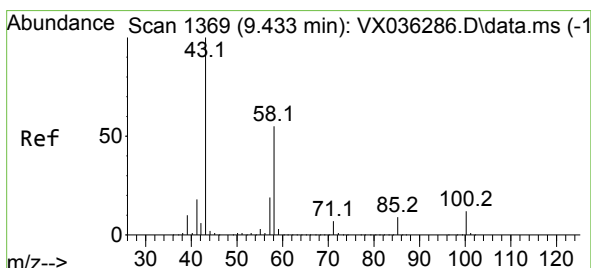
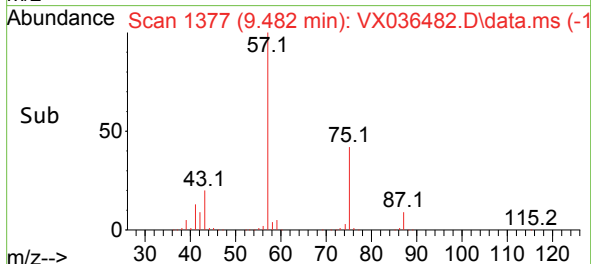
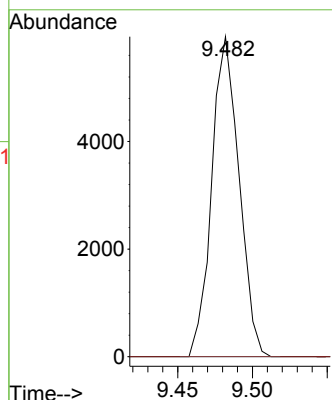
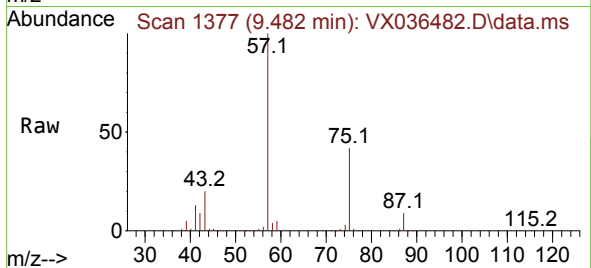
PB154051ZHE#04

Tgt Ion: 76 Resp: 7556

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.470 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036482.D

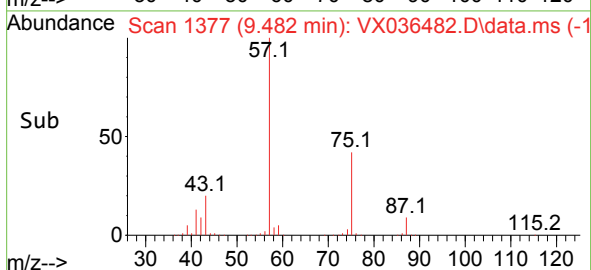
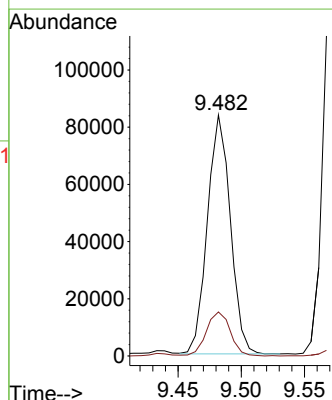
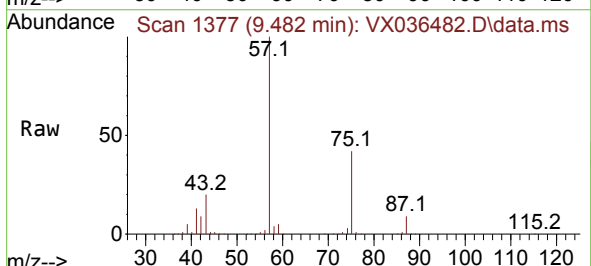
Acq: 10 Jul 2023 14:57

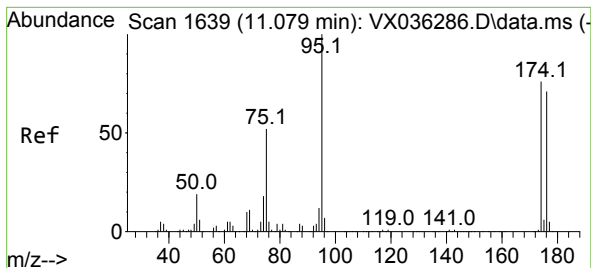
Tgt Ion: 43 Resp: 105470

Ion Ratio Lower Upper

43 100

58 19.3 26.2 78.5#

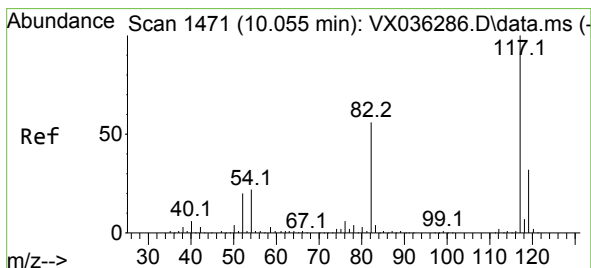
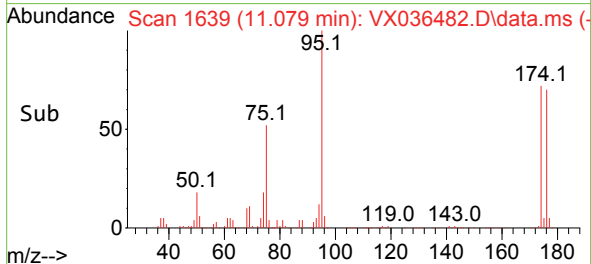
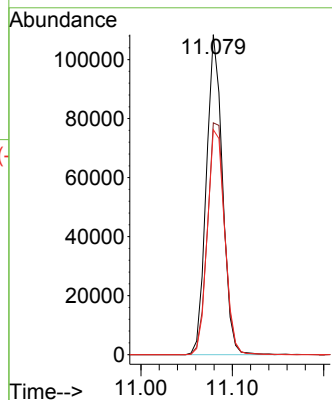
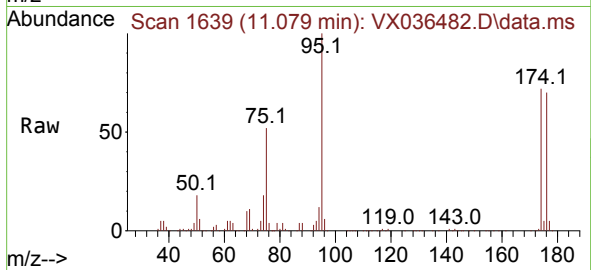




#62
4-Bromofluorobenzene
Concen: 50.628 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

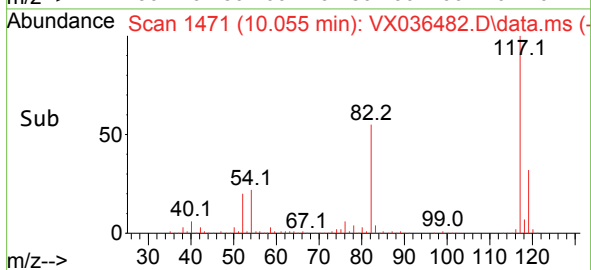
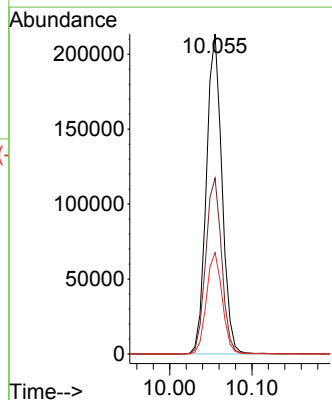
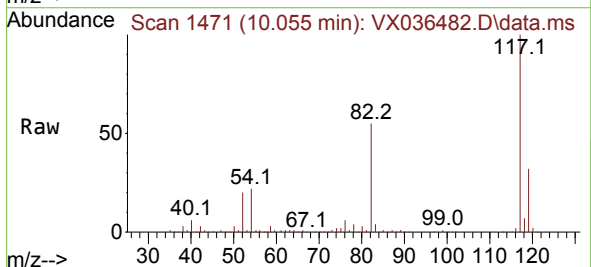
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

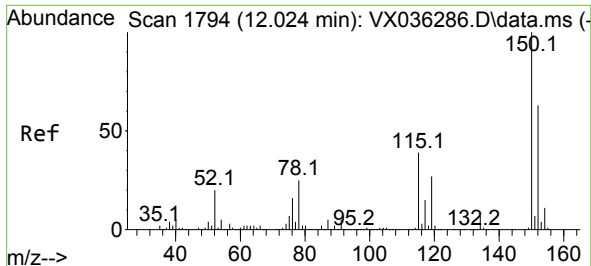
Tgt Ion: 95 Resp: 132574
Ion Ratio Lower Upper
95 100
174 77.6 0.0 135.6
176 75.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 117 Resp: 280489
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 31.7 25.5 38.3

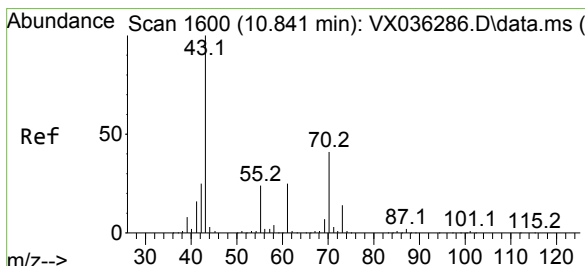
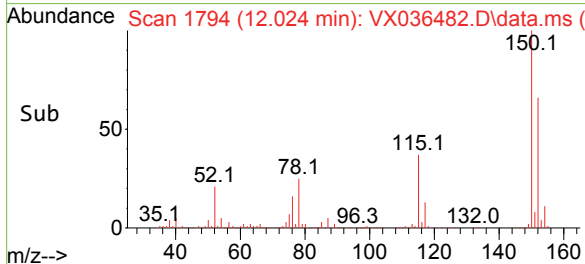
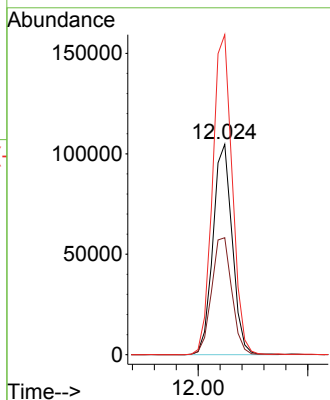
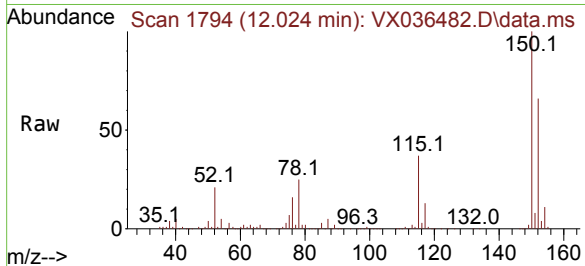




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

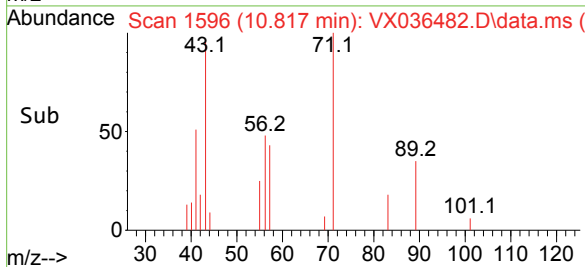
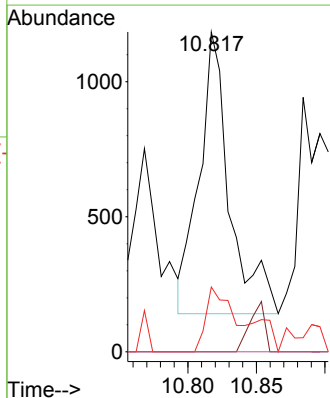
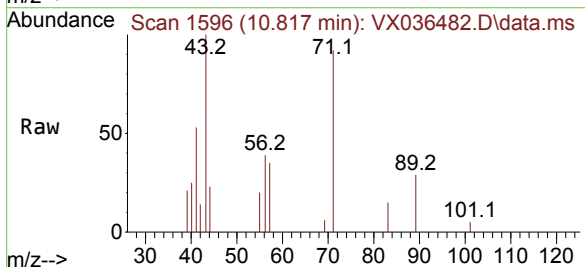
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

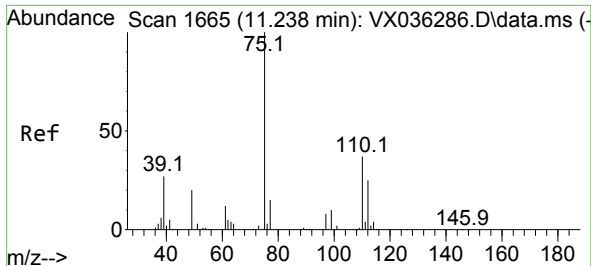
Tgt Ion:152 Resp: 127946
Ion Ratio Lower Upper
152 100
115 58.5 43.3 129.9
150 155.5 0.0 345.0



#74
N-ethyl acetate
Concen: 0.421 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 20.3 19.3 28.9
61 0.0 18.8 28.2#

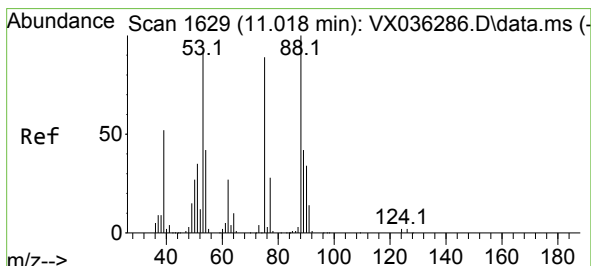
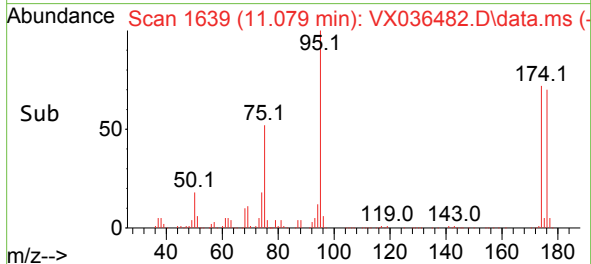
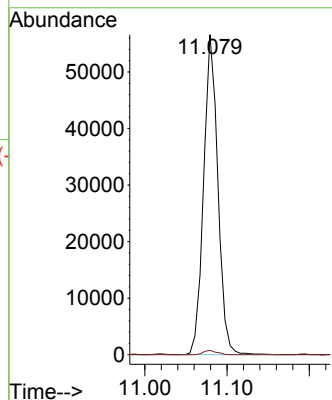
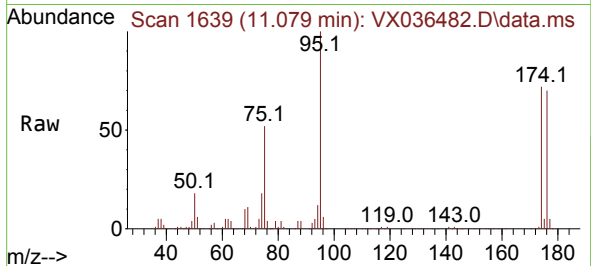




#76
1,2,3-Trichloropropane
Concen: 24.907 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#04

Tgt Ion: 75 Resp: 67974
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036482.D
Acq: 10 Jul 2023 14:57

Tgt Ion: 75 Resp: 67974
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#

