

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036402.D
 Acq On : 05 Jul 2023 14:32
 Operator : JC/MD
 Sample : PB153983ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#03

Quant Time: Jul 06 04:51:25 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)

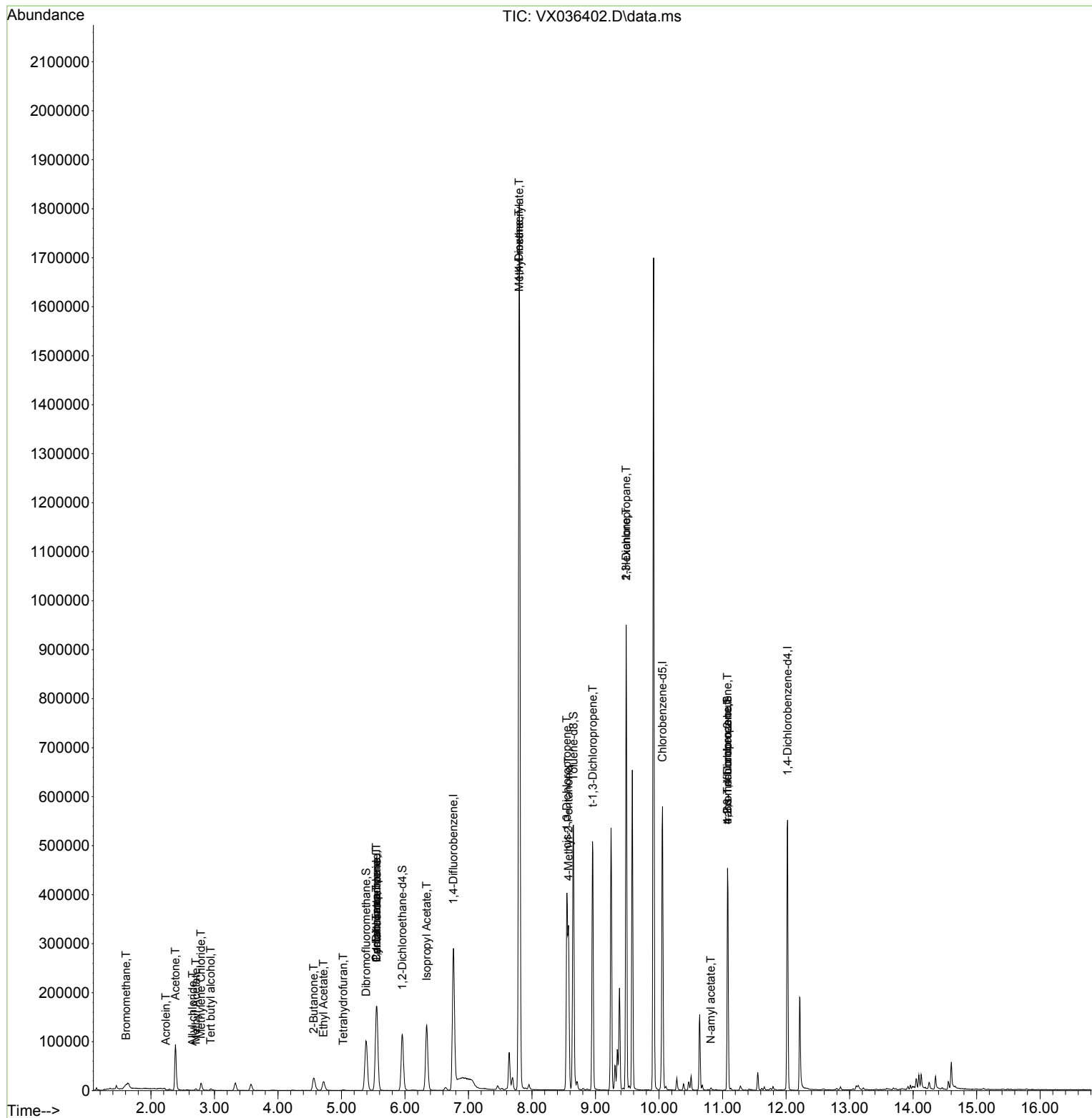
Internal Standards						
1) Pentafluorobenzene	5.556	168	166547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	279850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109403	45.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.660%		
35) Dibromofluoromethane	5.385	113	89732	48.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.260%		
50) Toluene-d8	8.653	98	339033	49.192	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	119306	49.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.300%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	439	0.201	ug/l #	41
11) Tert butyl alcohol	2.940	59	2711	6.238	ug/l #	78
13) Acrolein	2.233	56	285	0.478	ug/l #	62
14) Allyl chloride	2.654	41	757	0.246	ug/l #	62
16) Acetone	2.386	43	103199	101.134	ug/l	92
18) Methyl Acetate	2.709	43	3714	0.885	ug/l	98
20) Methylene Chloride	2.788	84	7582	3.451	ug/l #	97
25) 2-Butanone	4.562	43	45553	31.070	ug/l	91
29) Tetrahydrofuran	5.025	42	1142	1.223	ug/l #	74
31) Cyclohexane	5.550	56	3705	1.211	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	13001	4.727	ug/l #	50
37) Ethyl Acetate	4.714	43	32489	11.589	ug/l	98
38) Carbon Tetrachloride	5.550	117	17143	6.824	ug/l #	14
43) Isopropyl Acetate	6.342	43	182095	40.717	ug/l	98
48) Methyl methacrylate	7.799	41	153846	68.993	ug/l #	48
49) 1,4-Dioxane	7.793	88	284	5.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	304032	105.519	ug/l #	80
53) t-1,3-Dichloropropene	8.958	75	1207	0.449	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	61394	20.183	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	7915	2.282	ug/l #	42
59) 2-Hexanone	9.482	43	105454	50.119	ug/l #	53
74) N-amyl acetate	10.817	43	1528	0.445	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	62589	25.485	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62589	83.075	ug/l #	5

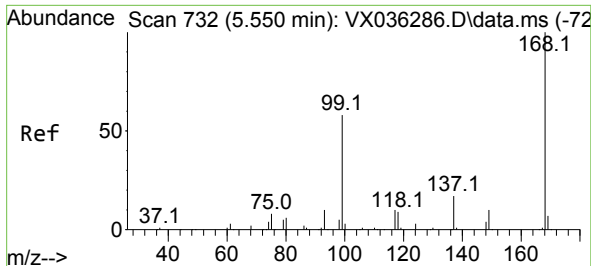
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
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QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

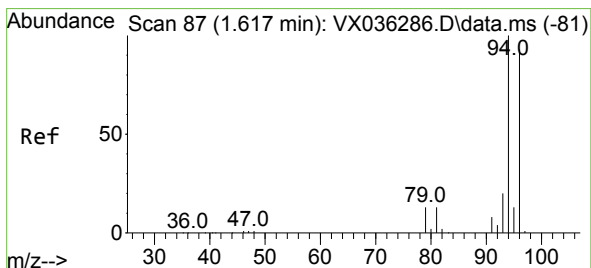
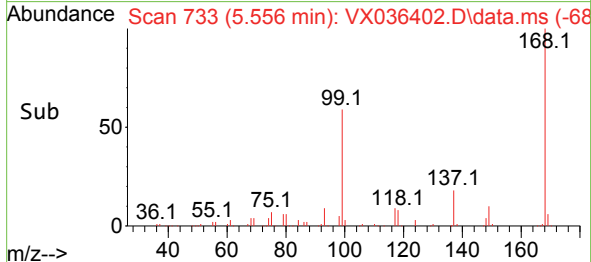
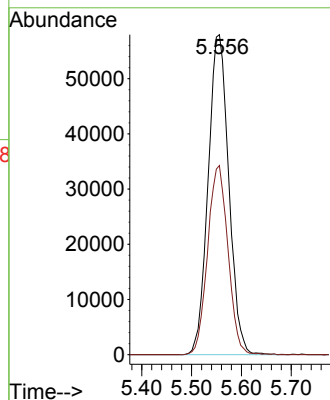
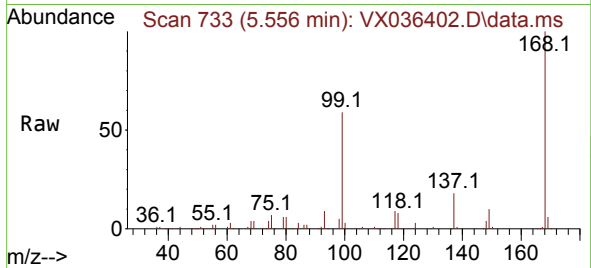




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

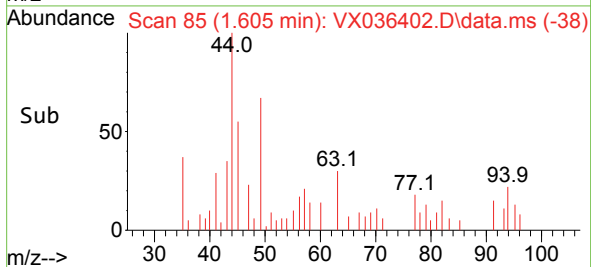
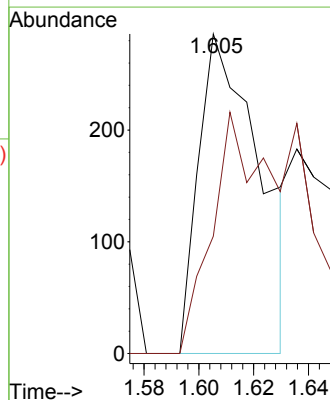
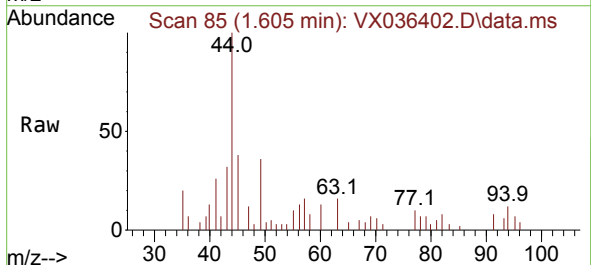
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

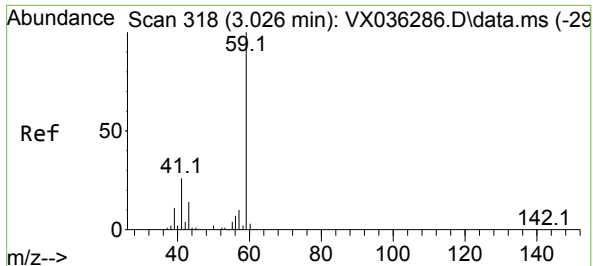
Tgt Ion:168 Resp: 166547
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#5
Bromomethane
Concen: 0.201 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 36.7 74.6 111.8#





#11

Tert butyl alcohol

Concen: 6.238 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.073 min

Lab File: VX036402.D

Acq: 05 Jul 2023 14:32

Instrument :

MSVOA_X

ClientSampleId :

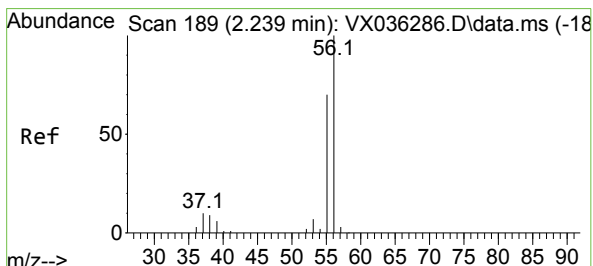
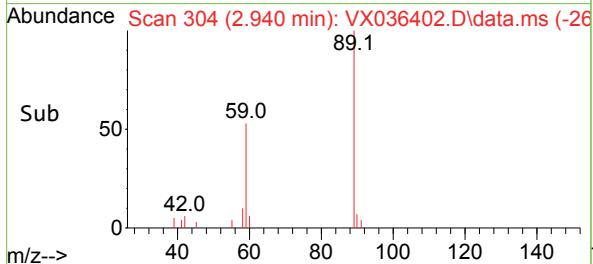
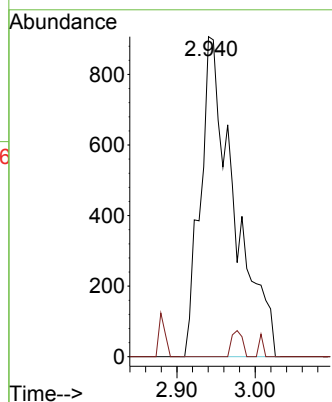
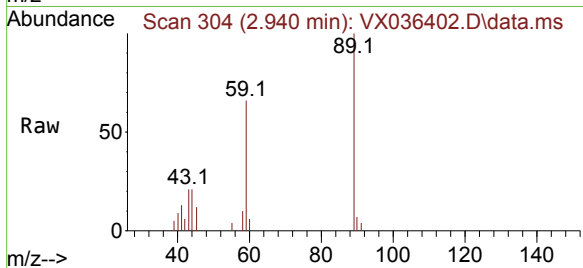
PB153983ZHE#03

Tgt Ion: 59 Resp: 2711

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.478 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX036402.D

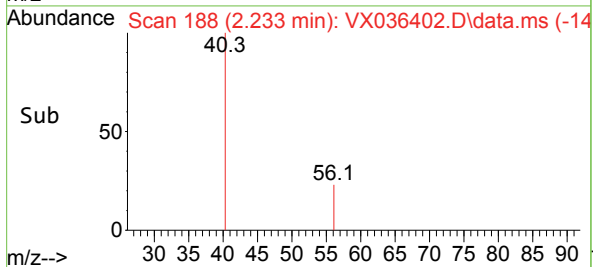
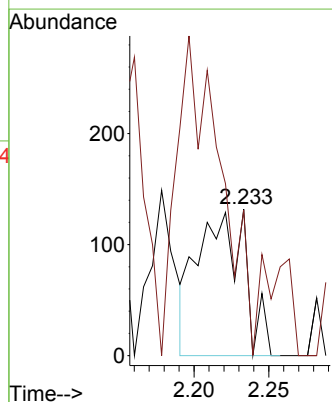
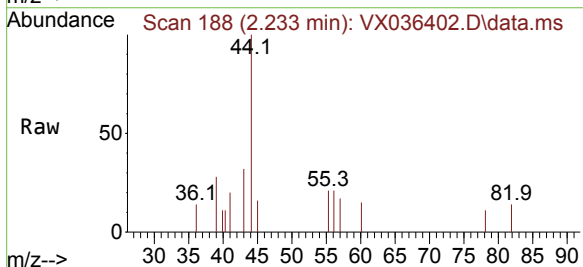
Acq: 05 Jul 2023 14:32

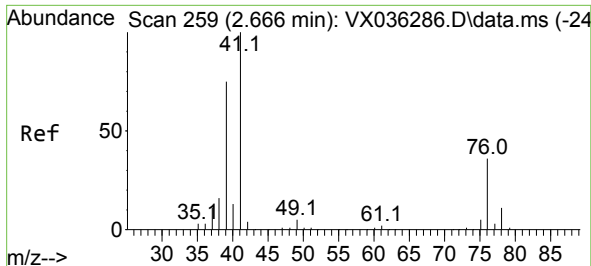
Tgt Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 39.6 57.1 85.7#

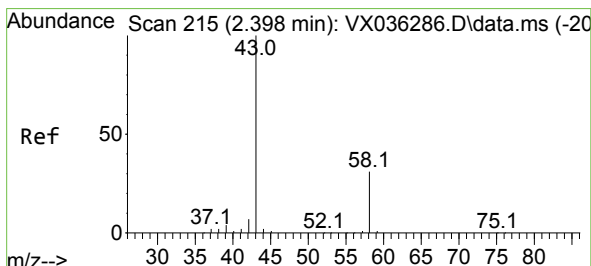
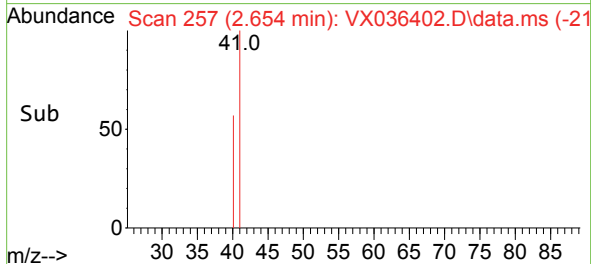
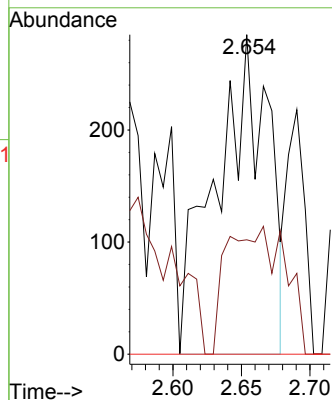
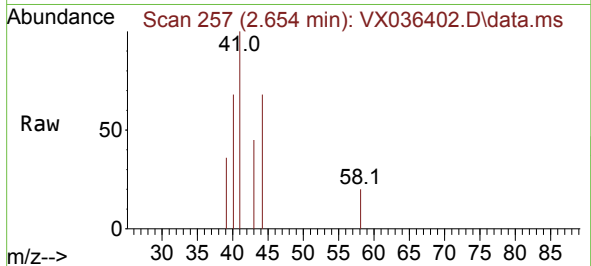




#14
 Allyl chloride
 Concen: 0.246 ug/l
 RT: 2.654 min Scan# 213
 Delta R.T. -0.012 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

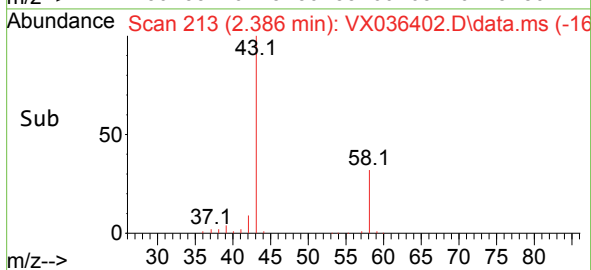
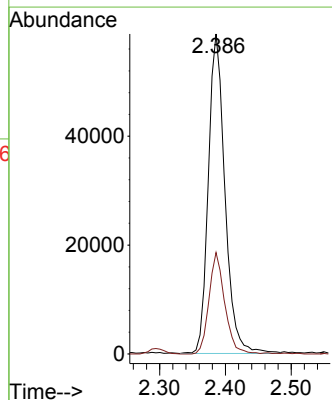
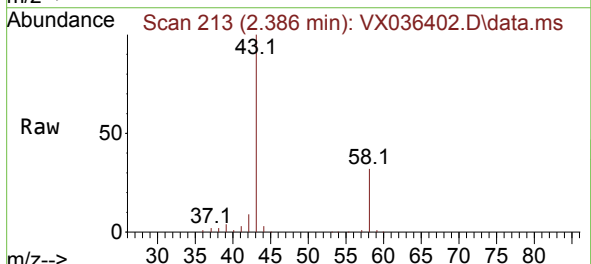
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#03

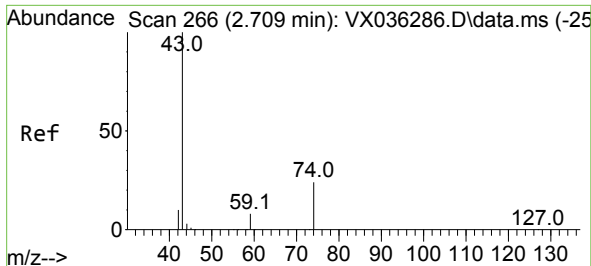
Tgt Ion: 41 Resp: 757
 Ion Ratio Lower Upper
 41 100
 39 44.6 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 101.134 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.018 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

Tgt Ion: 43 Resp: 103199
 Ion Ratio Lower Upper
 43 100
 58 31.7 21.9 32.9

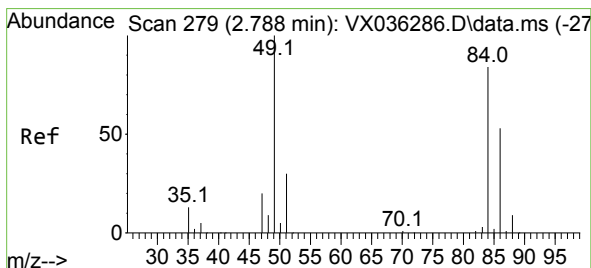
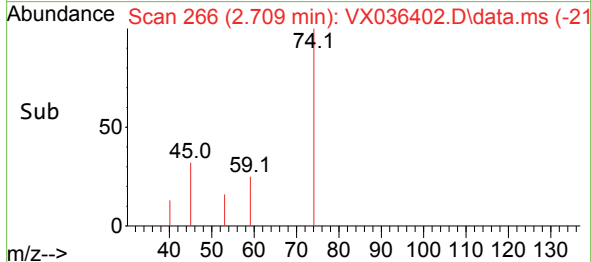
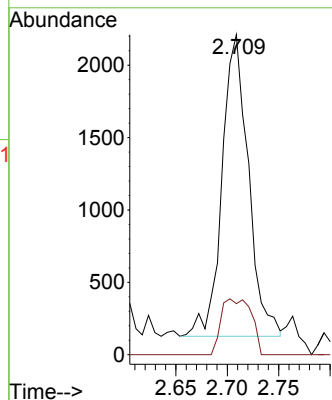
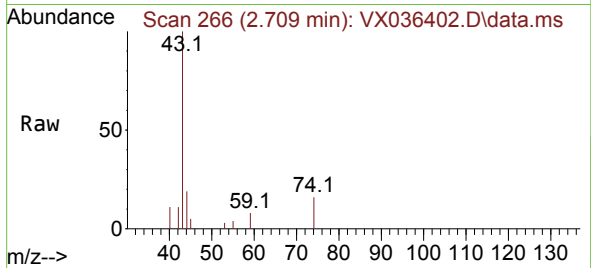




#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

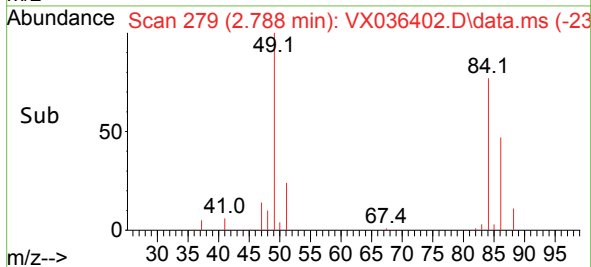
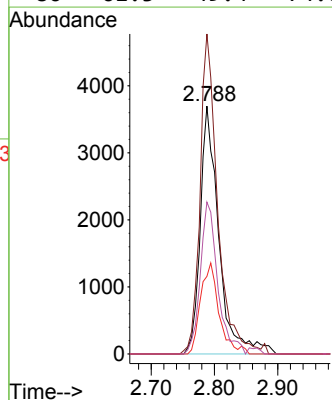
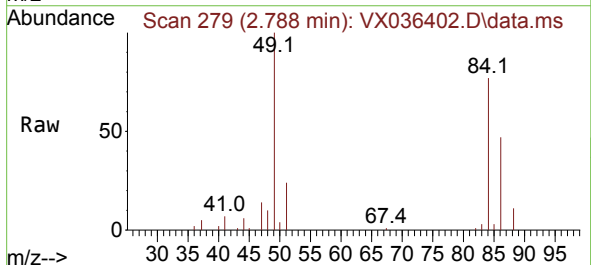
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

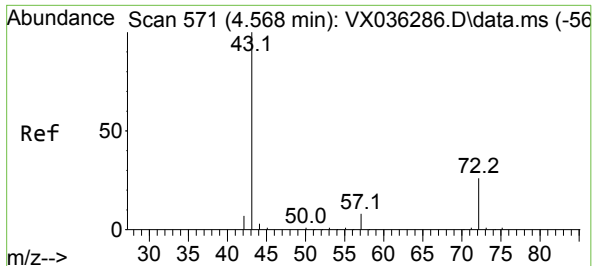
Tgt Ion: 43 Resp: 3714
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.8



#20
Methylene Chloride
Concen: 3.451 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 84 Resp: 7582
Ion Ratio Lower Upper
84 100
49 129.1 103.6 155.4
51 31.3 33.8 50.6#
86 61.3 49.4 74.0

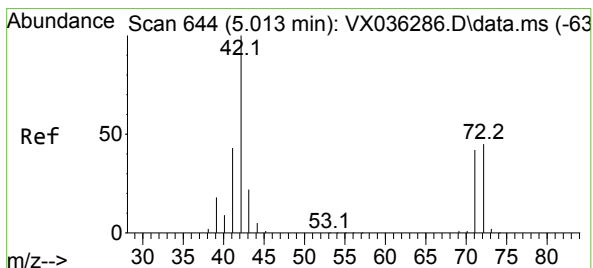
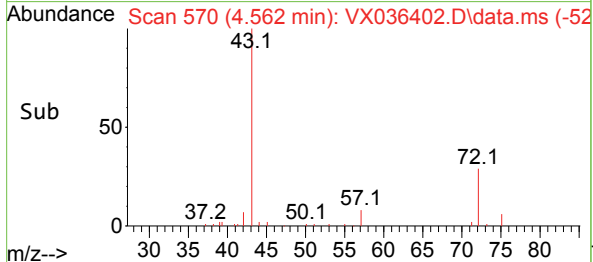
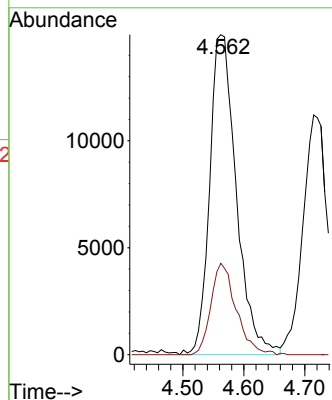
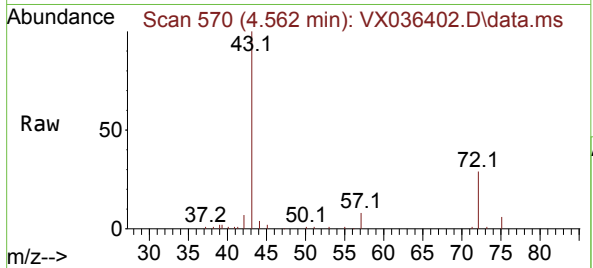




#25
2-Butanone
Concen: 31.070 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

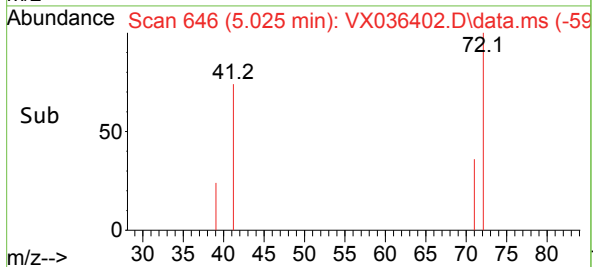
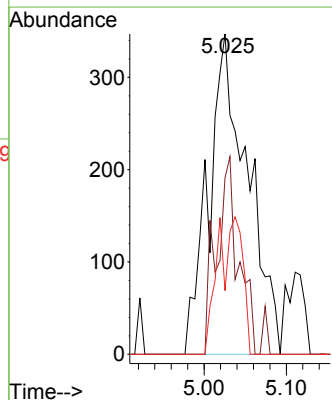
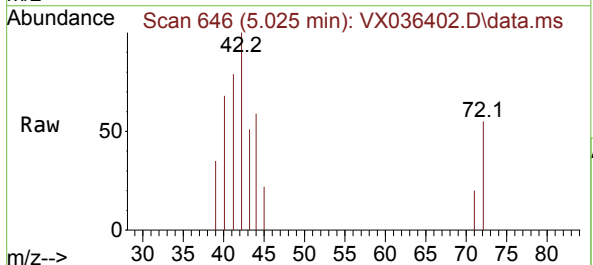
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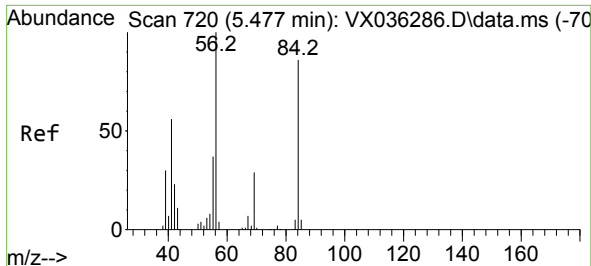
Tgt Ion: 43 Resp: 45553
Ion Ratio Lower Upper
43 100
72 28.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.223 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

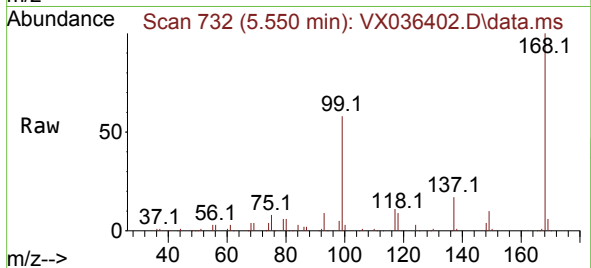
Tgt Ion: 42 Resp: 1142
Ion Ratio Lower Upper
42 100
72 34.6 34.2 51.4
71 15.8 32.2 48.2#



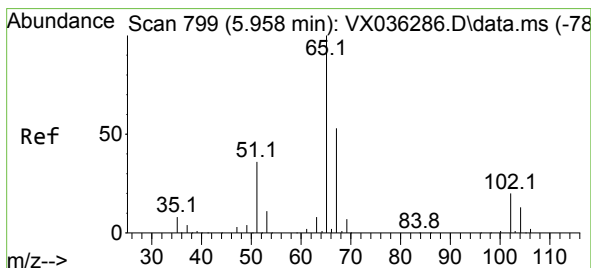
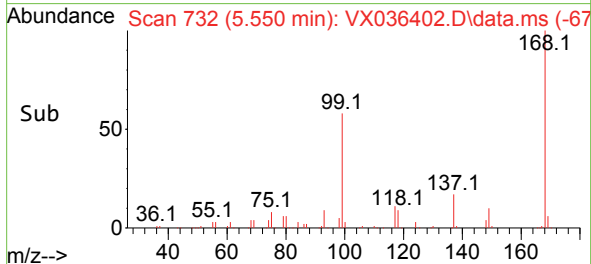
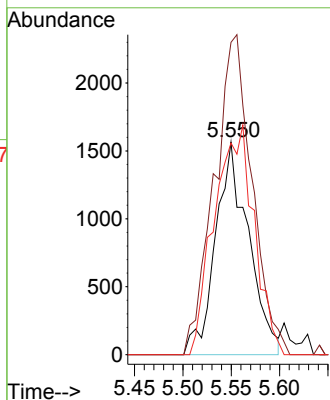


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

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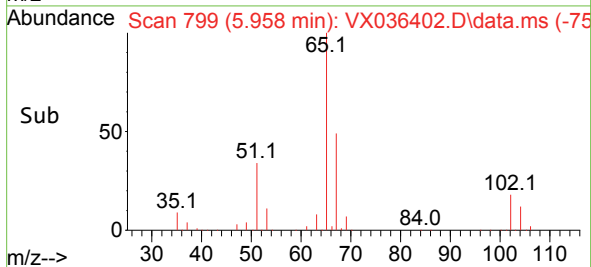
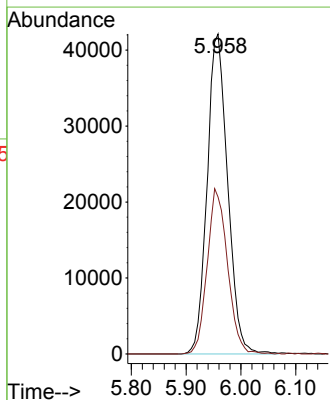
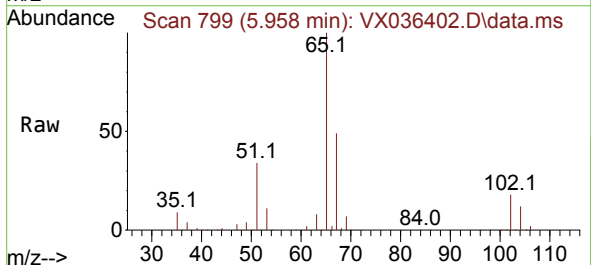


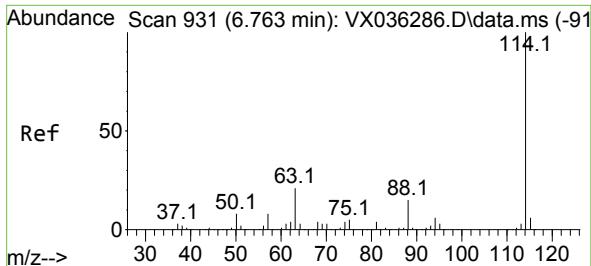
Tgt Ion: 56 Resp: 3705
Ion Ratio Lower Upper
56 100
69 147.0 23.4 35.2#
84 99.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.826 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 65 Resp: 109403
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

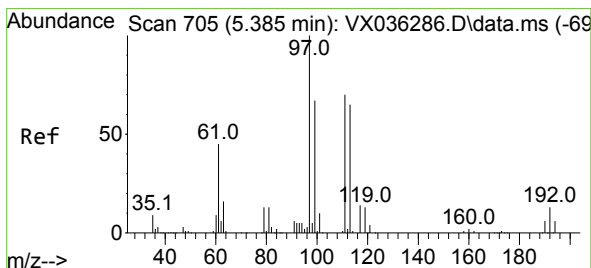
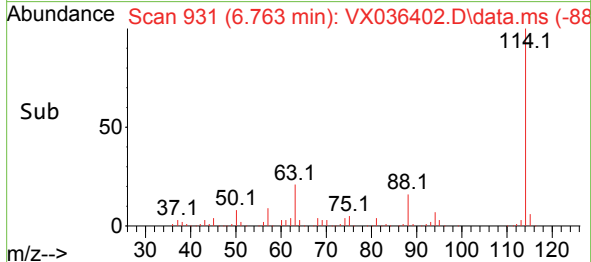
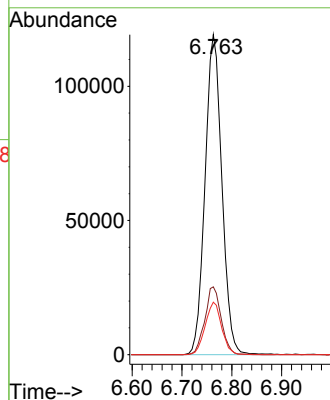
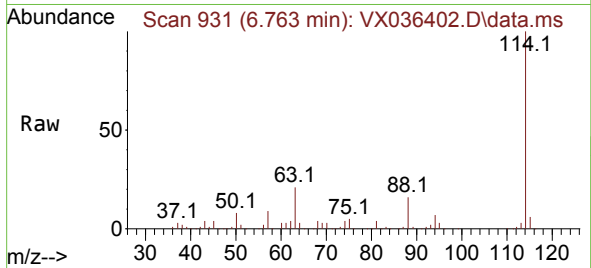




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

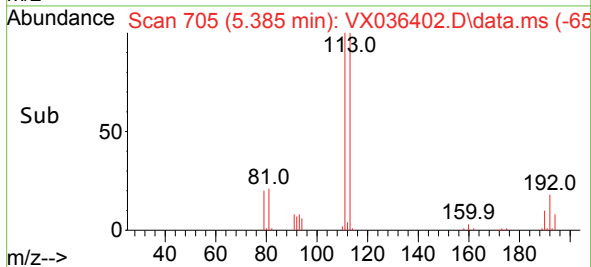
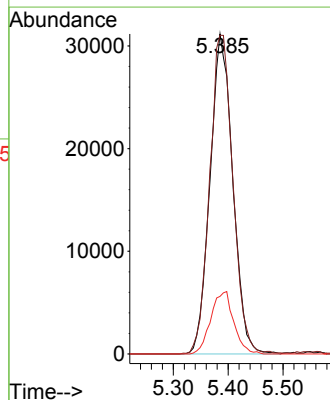
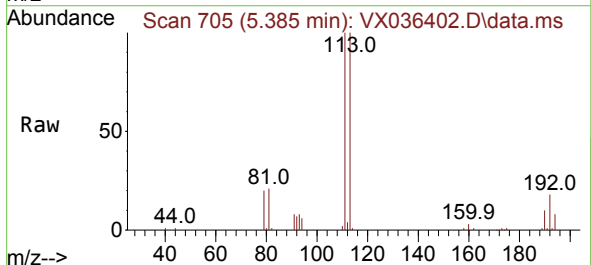
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

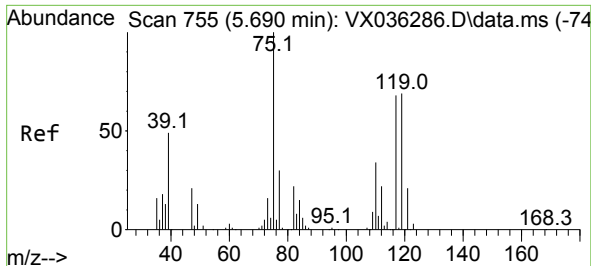
Tgt Ion:114 Resp: 279850
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.629 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion:113 Resp: 89732
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.727 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX036402.D

Acq: 05 Jul 2023 14:32

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#03

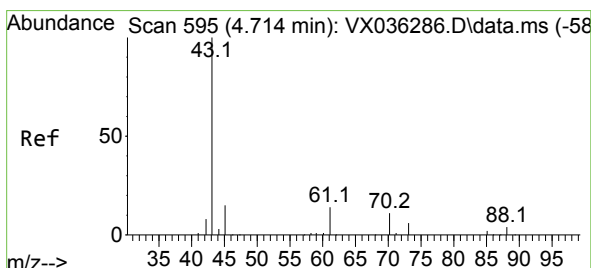
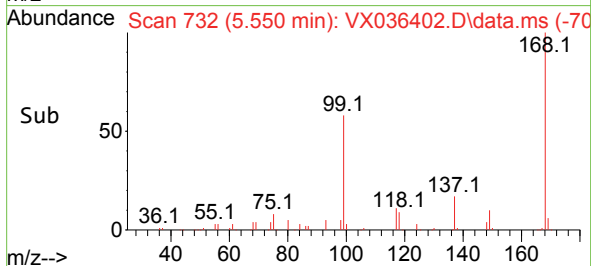
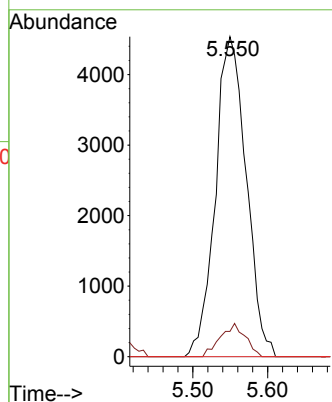
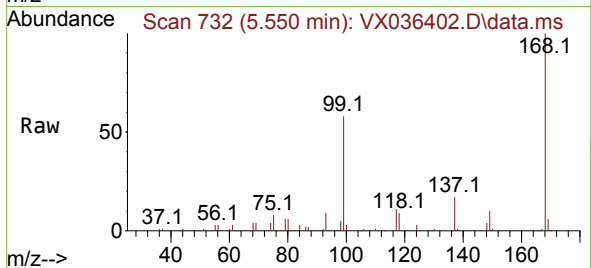
Tgt Ion: 75 Resp: 13001

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 11.589 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX036402.D

Acq: 05 Jul 2023 14:32

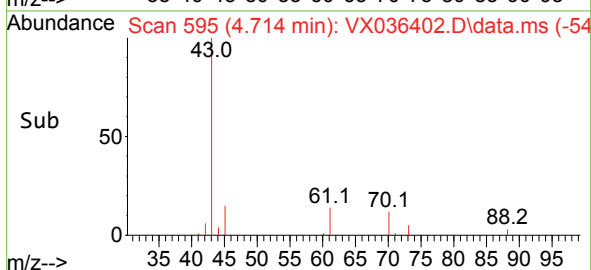
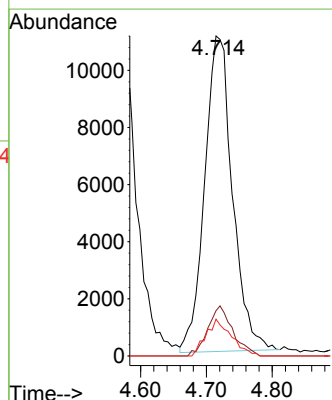
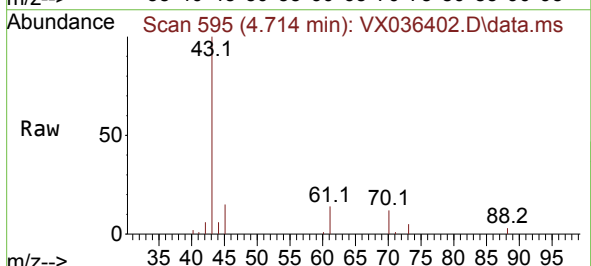
Tgt Ion: 43 Resp: 32489

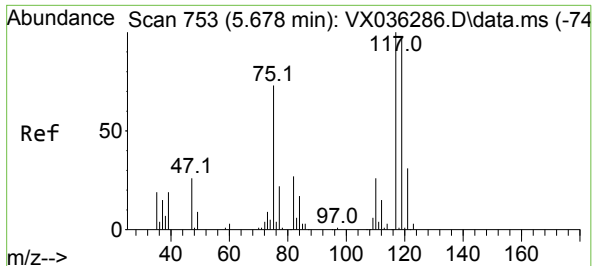
Ion Ratio Lower Upper

43 100

61 14.3 10.6 16.0

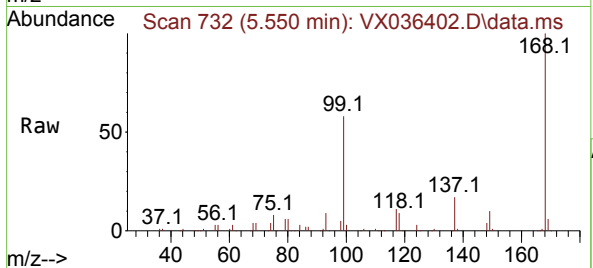
70 10.6 8.3 12.5



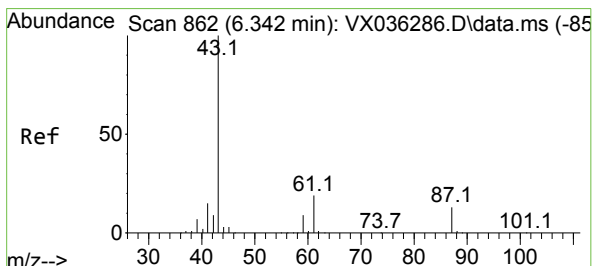
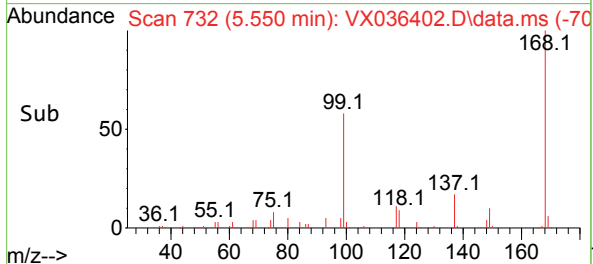
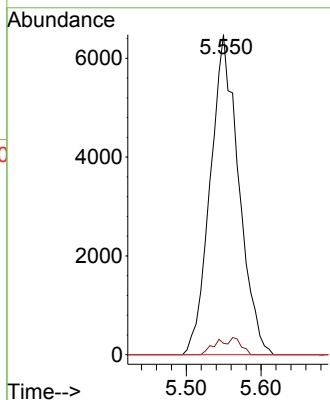


#38
Carbon Tetrachloride
Concen: 6.824 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

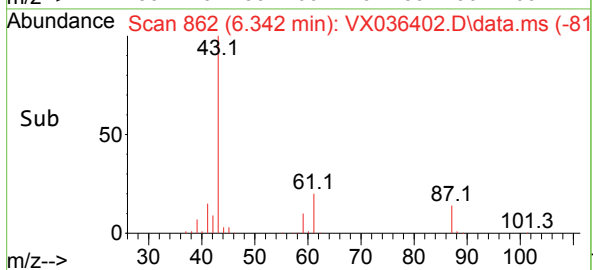
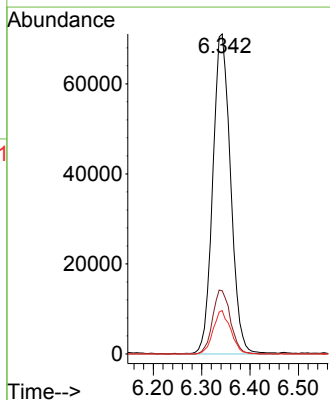
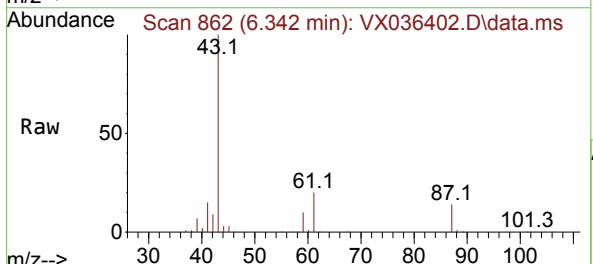


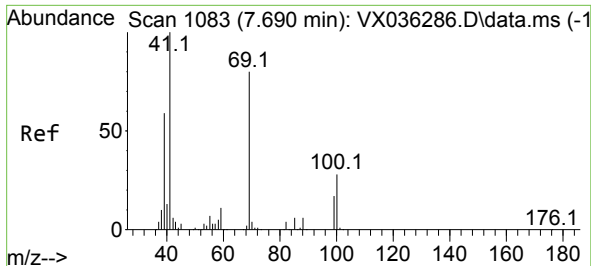
Tgt Ion:117 Resp: 17143
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 40.717 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 43 Resp: 182095
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.3 9.8 14.6

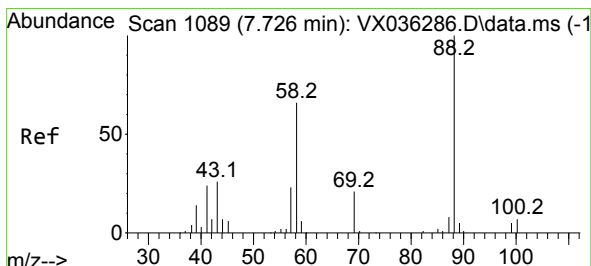
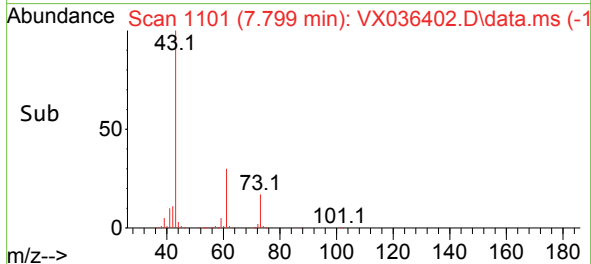
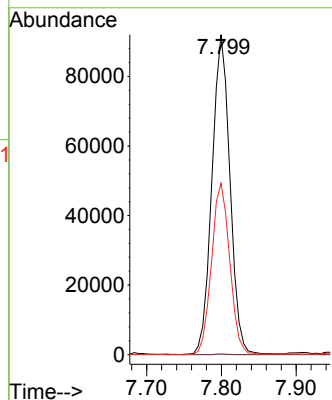
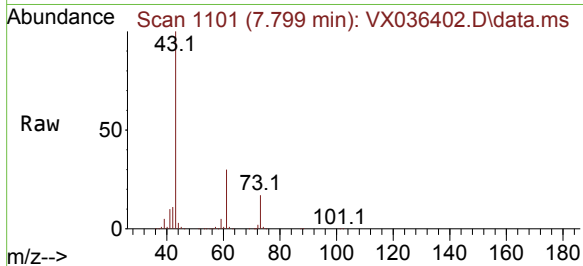




#48
Methyl methacrylate
Concen: 68.993 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

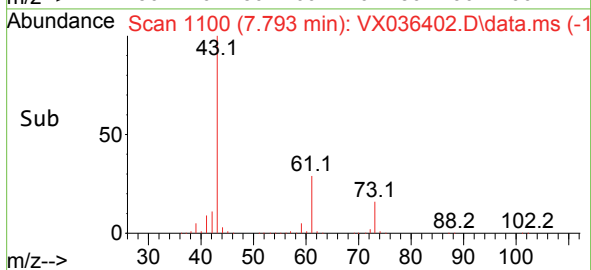
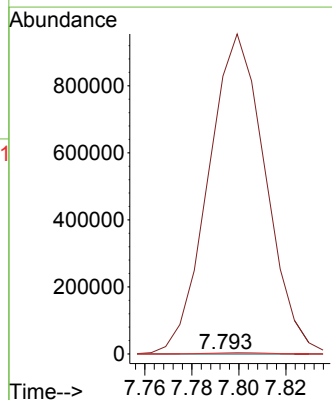
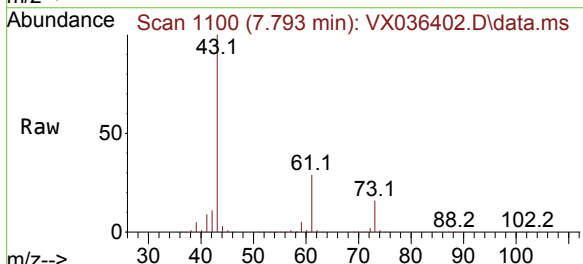
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

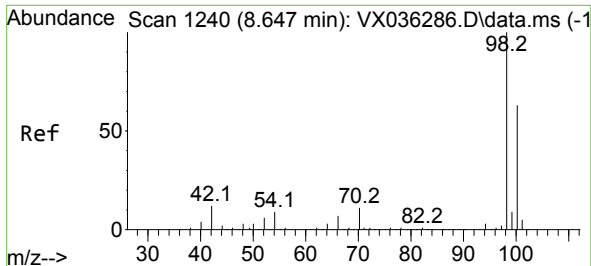
Tgt Ion: 41 Resp: 153846
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.2 47.7 71.5



#49
1,4-Dioxane
Concen: 5.745 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 88 Resp: 284
Ion Ratio Lower Upper
88 100
43 573057.0 0.0 0.0#
58 2286.6 60.1 90.1#

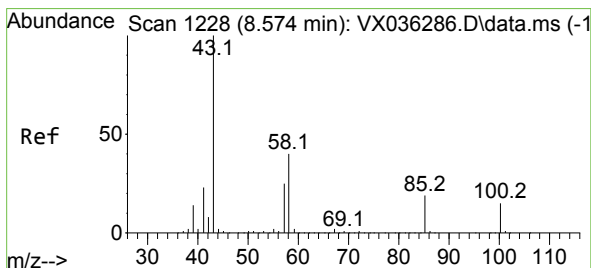
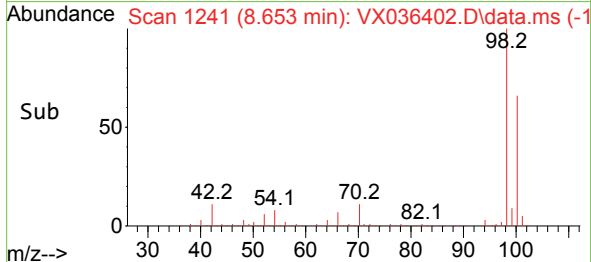
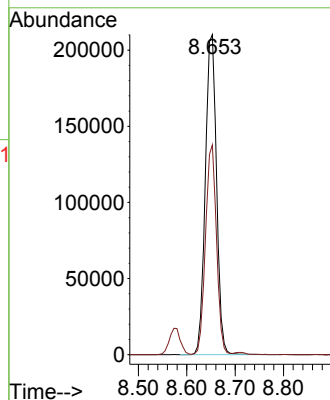
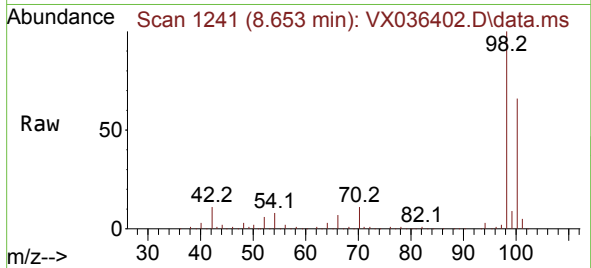




#50
Toluene-d8
Concen: 49.192 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

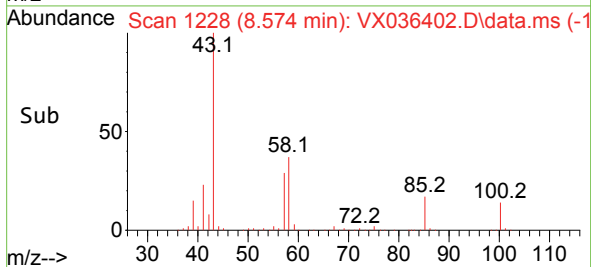
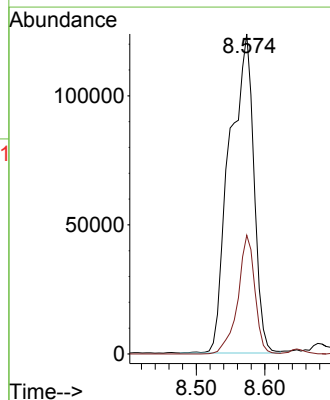
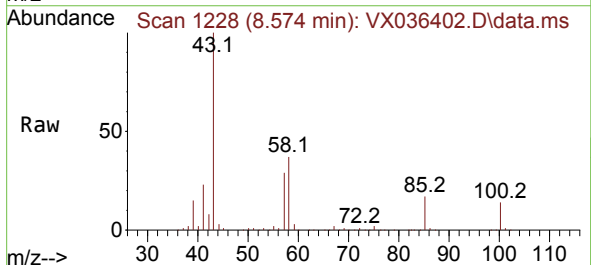
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

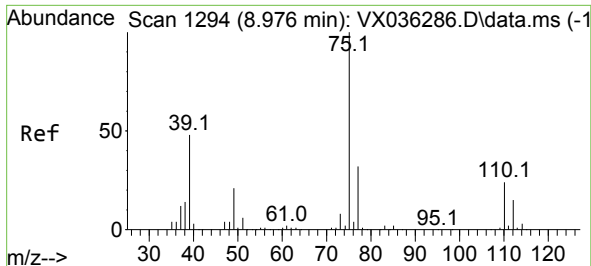
Tgt Ion: 98 Resp: 339033
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 105.519 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 43 Resp: 304032
Ion Ratio Lower Upper
43 100
58 26.2 30.4 45.6#

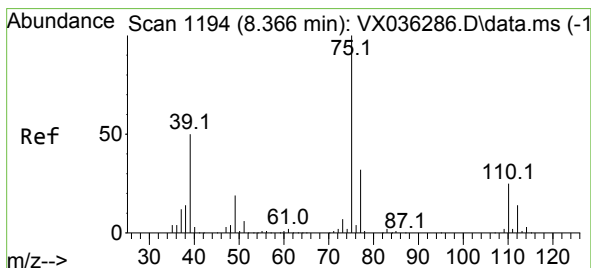
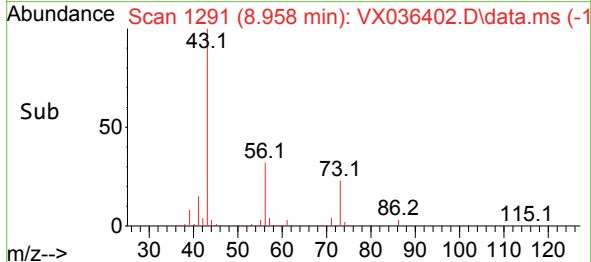
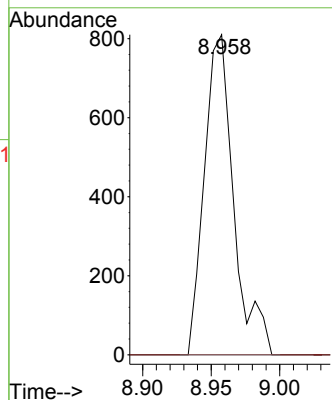
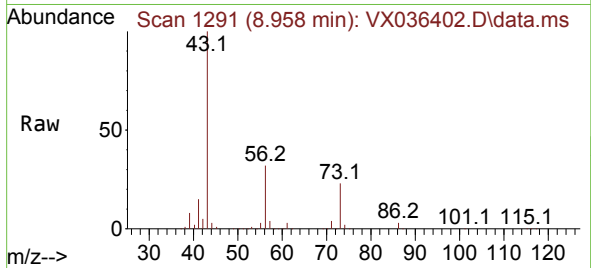




#53
 t-1,3-Dichloropropene
 Concen: 0.449 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

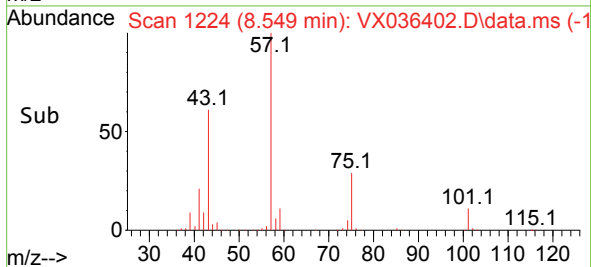
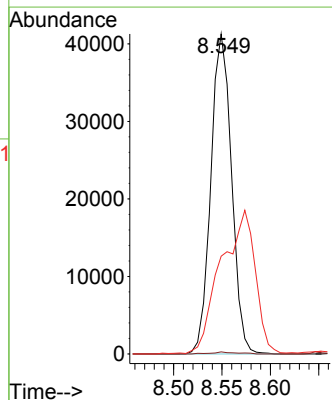
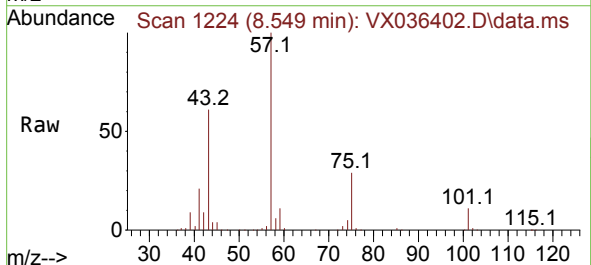
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#03

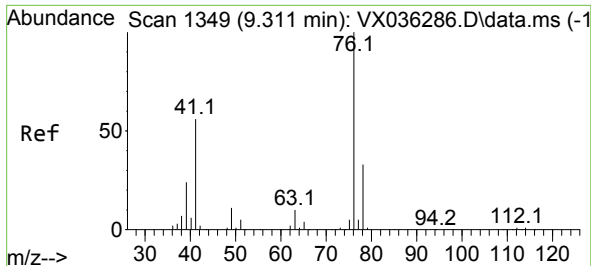
Tgt Ion: 75 Resp: 1207
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 20.183 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

Tgt Ion: 75 Resp: 61394
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 30.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.282 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036402.D

Acq: 05 Jul 2023 14:32

Instrument :

MSVOA_X

ClientSampleId :

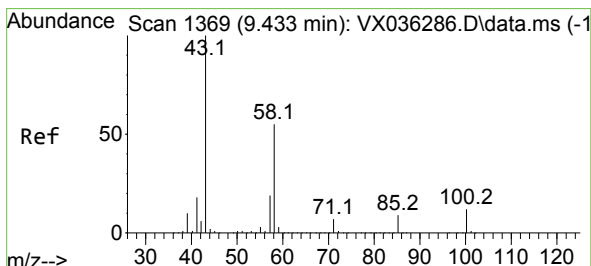
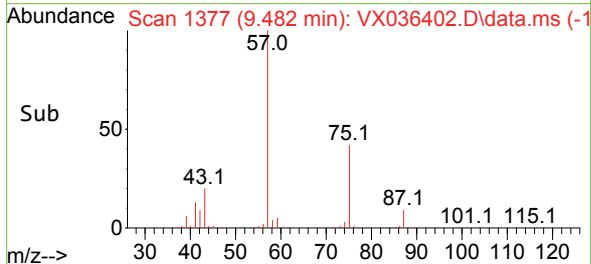
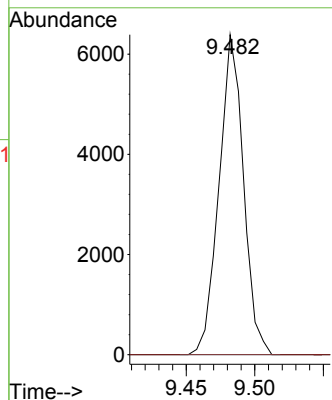
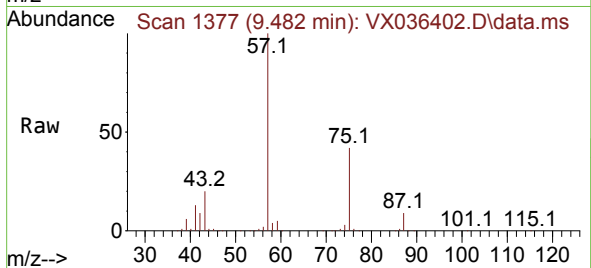
PB153983ZHE#03

Tgt Ion: 76 Resp: 7915

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.119 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036402.D

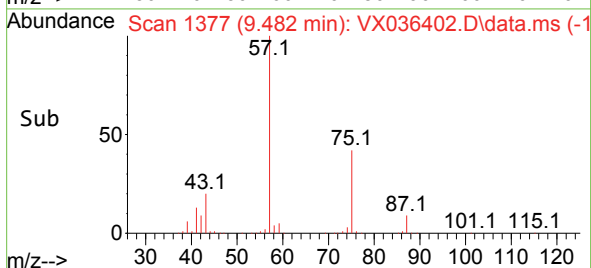
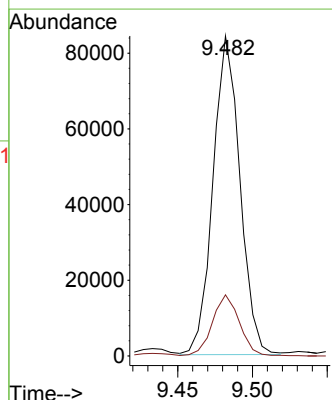
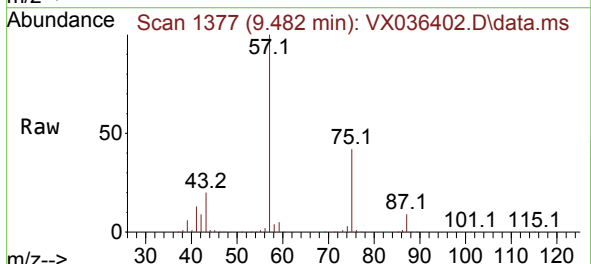
Acq: 05 Jul 2023 14:32

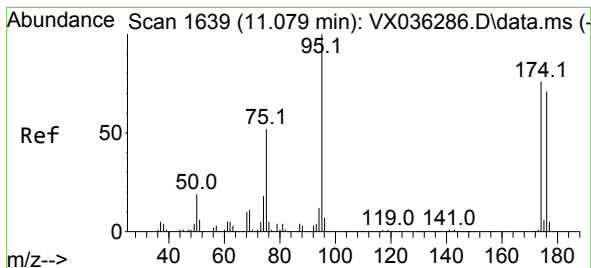
Tgt Ion: 43 Resp: 105454

Ion Ratio Lower Upper

43 100

58 19.3 26.2 78.5#

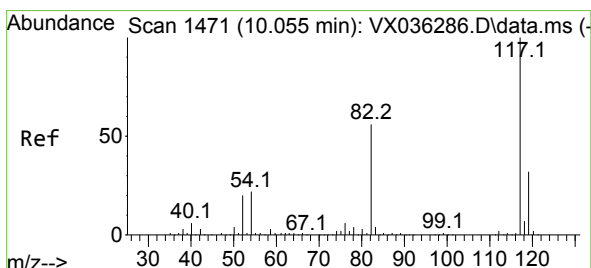
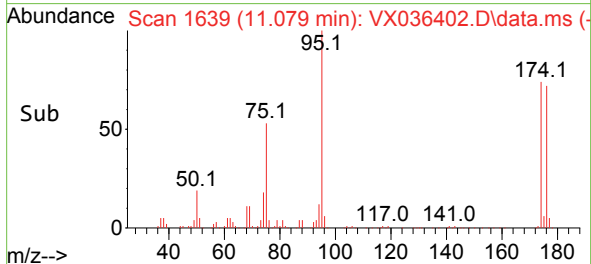
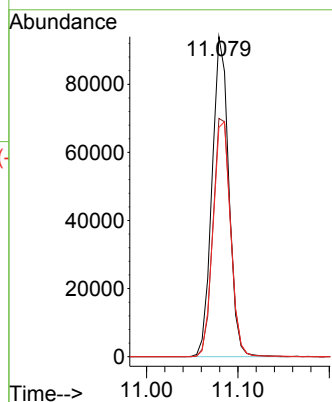
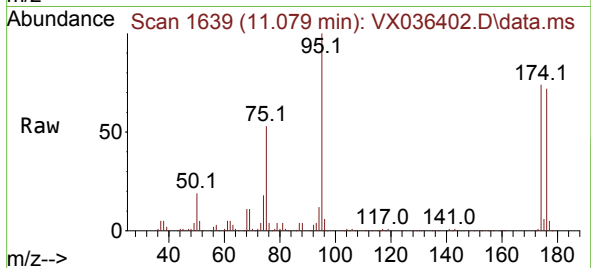




#62
4-Bromofluorobenzene
Concen: 49.146 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

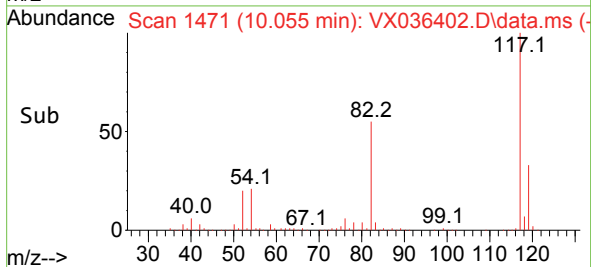
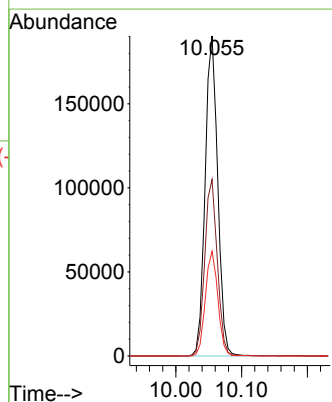
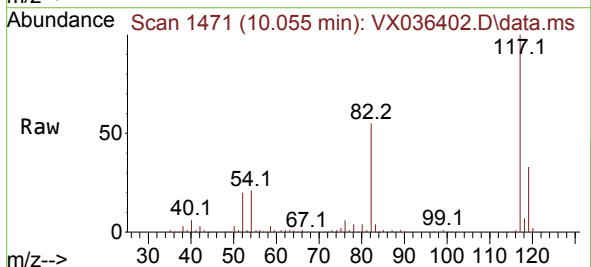
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

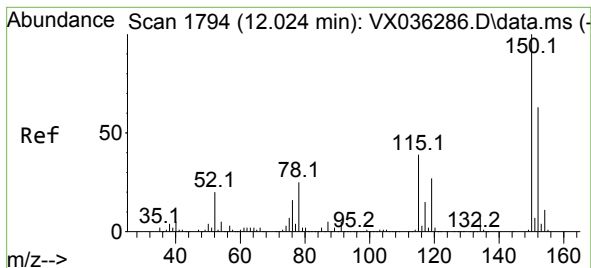
Tgt Ion: 95 Resp: 119306
Ion Ratio Lower Upper
95 100
174 78.3 0.0 135.6
176 77.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 117 Resp: 252988
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 32.7 25.5 38.3

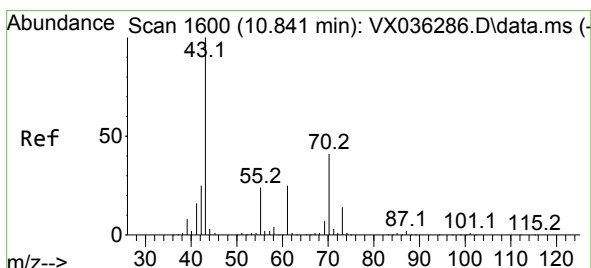
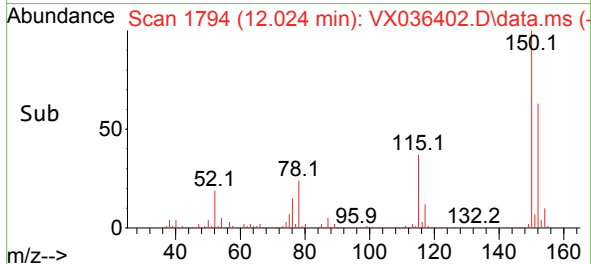
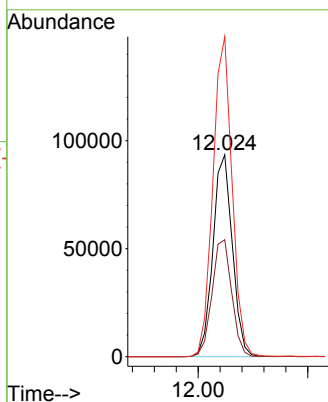
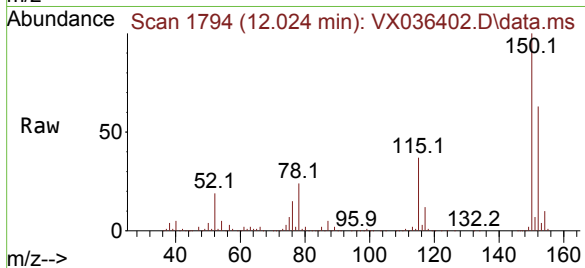




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

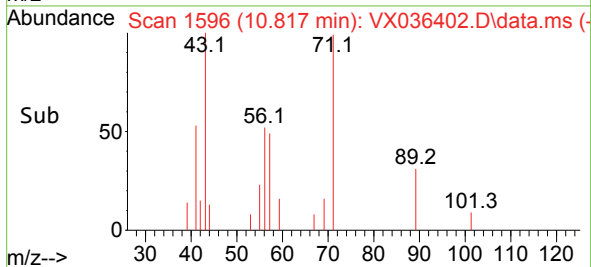
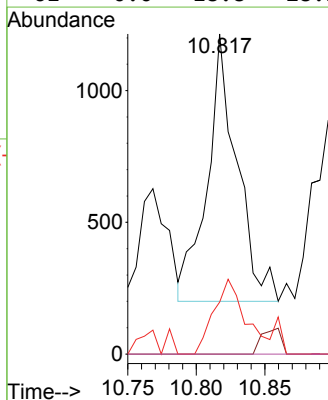
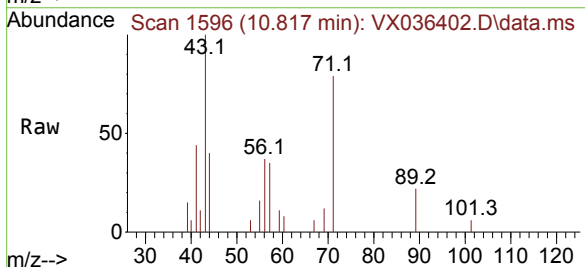
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#03

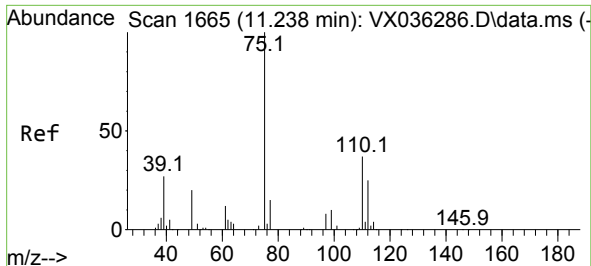
Tgt Ion:152 Resp: 115137
 Ion Ratio Lower Upper
 152 100
 115 58.8 43.3 129.9
 150 156.7 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.445 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX036402.D
 Acq: 05 Jul 2023 14:32

Tgt Ion: 43 Resp: 1528
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 33.7 19.3 28.9#
 61 0.0 18.8 28.2#

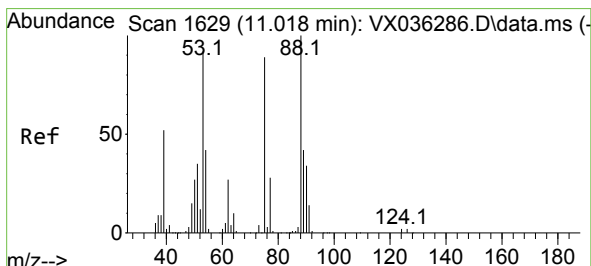
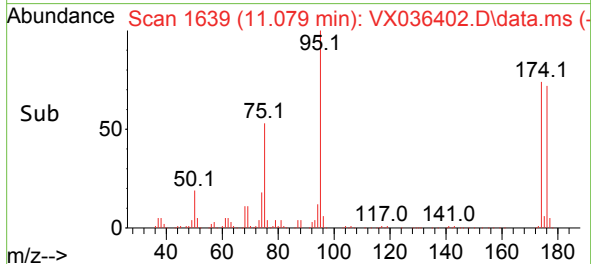
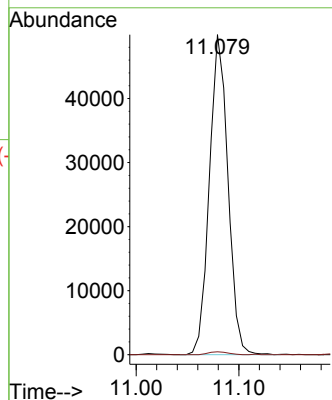
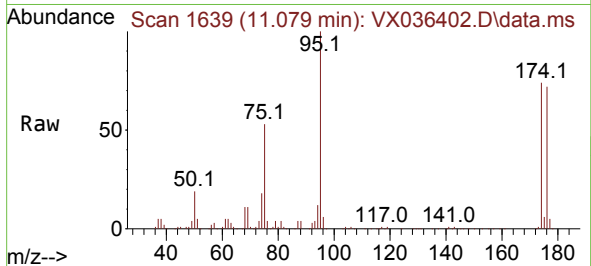




#76
1,2,3-Trichloropropane
Concen: 25.485 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#03

Tgt Ion: 75 Resp: 62589
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036402.D
Acq: 05 Jul 2023 14:32

Tgt Ion: 75 Resp: 62589
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

