

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038334.D
 Acq On : 17 Oct 2023 17:04
 Operator : JC/MD
 Sample : 04887-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

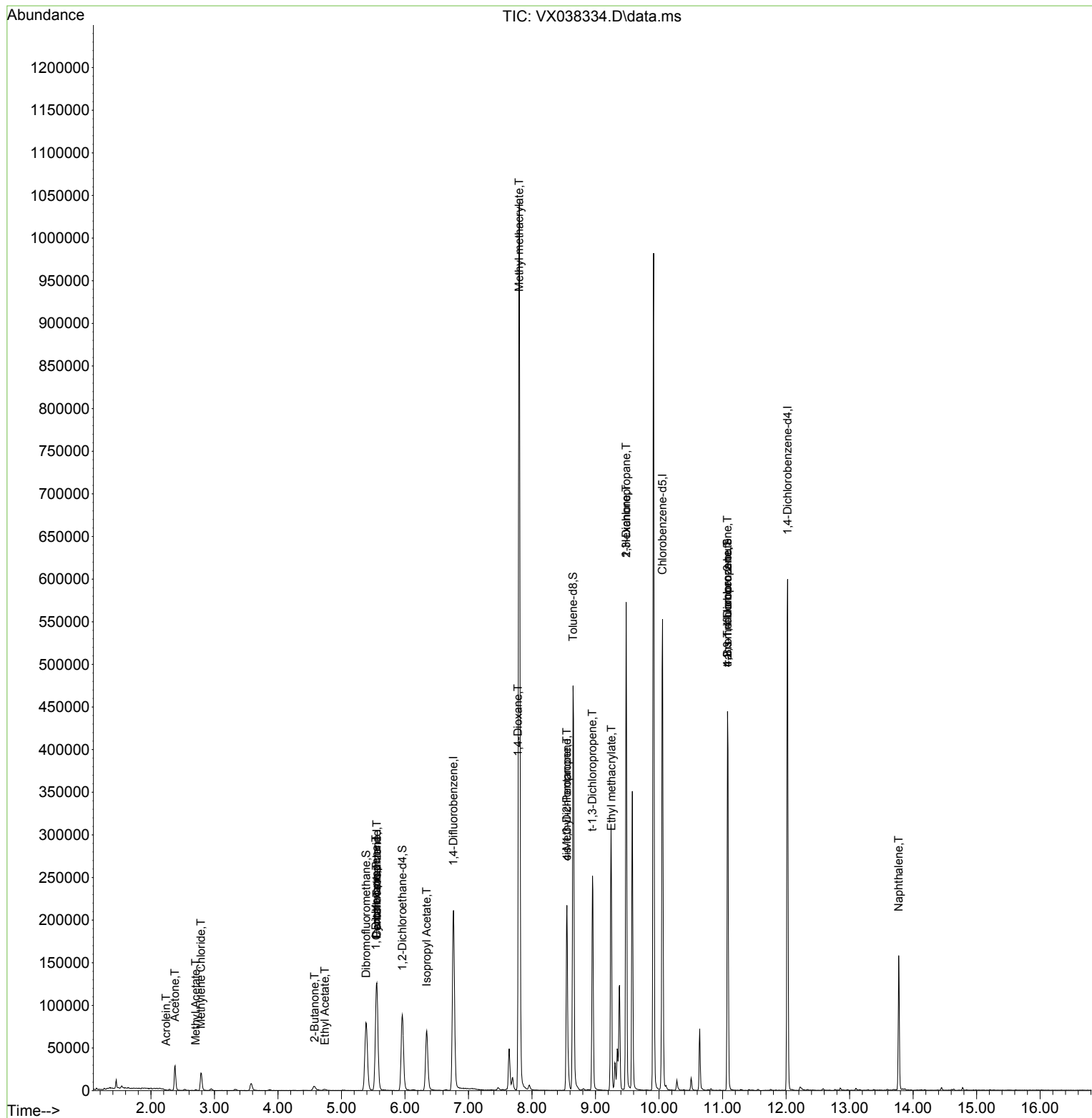
Internal Standards						
1) Pentafluorobenzene	5.556	168	120708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86756	44.685	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.360%		
35) Dibromofluoromethane	5.385	113	69358	43.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.920%		
50) Toluene-d8	8.647	98	285768	47.398	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.079	95	115527	50.543	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.080%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	19	Below Cal	#	3
6) Chloroethane	1.685	64	87	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1368	Below Cal	#	78
13) Acrolein	2.239	56	142	0.514	ug/l #	80
16) Acetone	2.380	43	30635	37.808	ug/l	92
18) Methyl Acetate	2.703	43	1125	0.324	ug/l #	78
20) Methylene Chloride	2.788	84	10221	6.706	ug/l	89
25) 2-Butanone	4.574	43	6100	4.666	ug/l	100
31) Cyclohexane	5.550	56	2779	1.321	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	10131	4.656	ug/l #	50
37) Ethyl Acetate	4.739	43	1720	0.666	ug/l	97
38) Carbon Tetrachloride	5.556	117	12897	6.026	ug/l #	15
43) Isopropyl Acetate	6.342	43	95439	24.741	ug/l	97
48) Methyl methacrylate	7.799	41	93662	50.862	ug/l #	50
49) 1,4-Dioxane	7.781	88	51	1.124	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	78653	29.561	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	578	0.248	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34885	14.234	ug/l #	60
56) Ethyl methacrylate	9.250	69	905	0.348	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4817	1.757	ug/l #	42
59) 2-Hexanone	9.482	43	60906	28.474	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	61834	22.431	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61834	64.248	ug/l #	5
95) Naphthalene	13.774	128	95074	10.619	ug/l	99

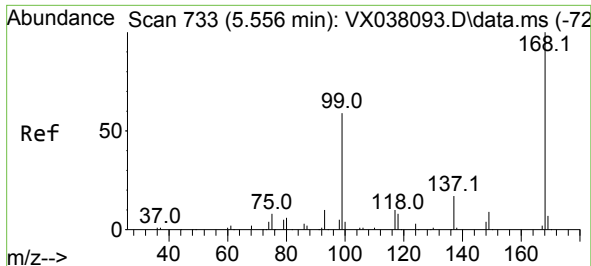
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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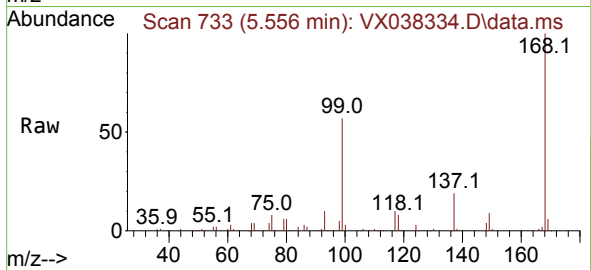
Quant Time: Oct 18 04:02:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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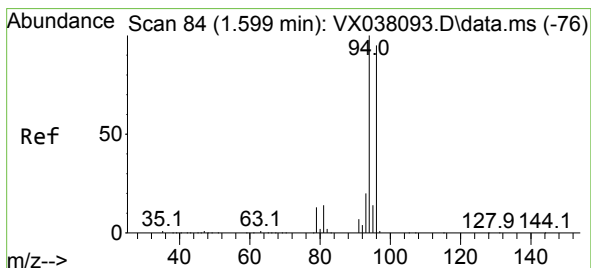
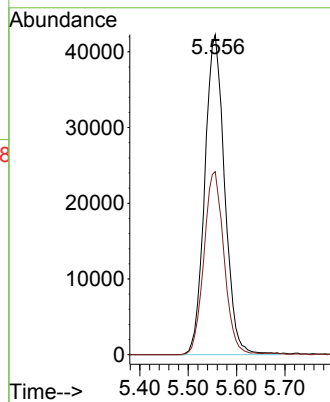
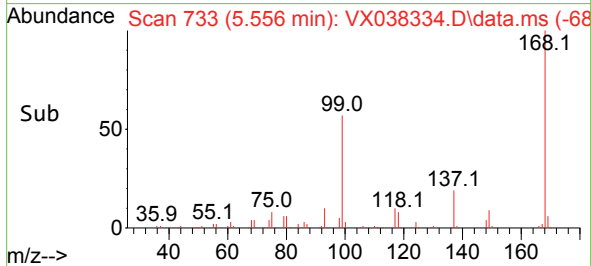


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Instrument :
MSVOA_X
ClientSampleId :

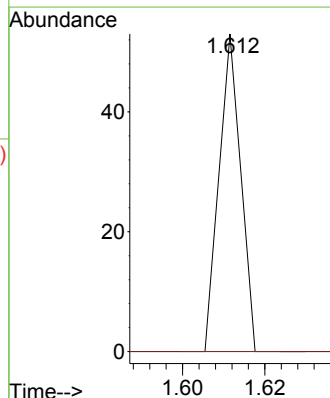
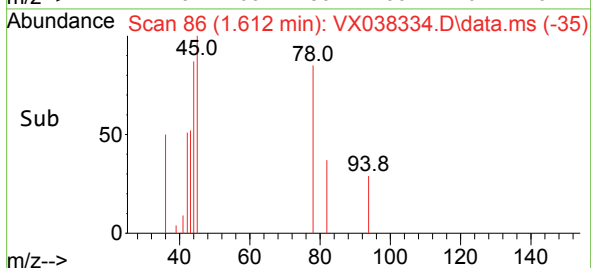
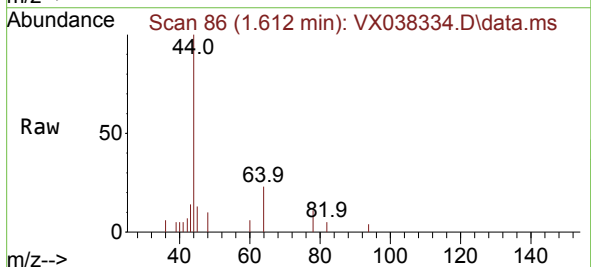


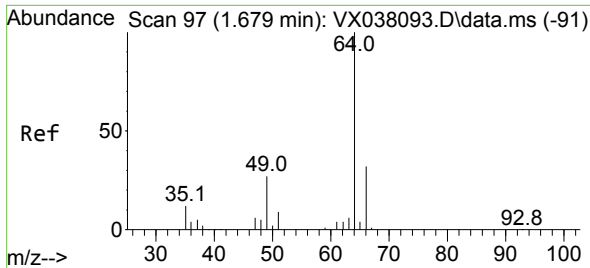
Tgt Ion:168 Resp: 120708
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

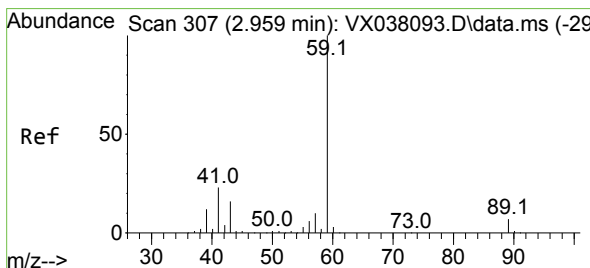
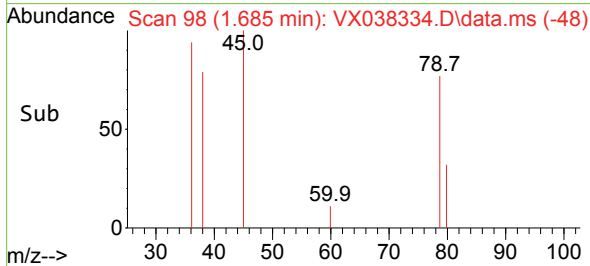
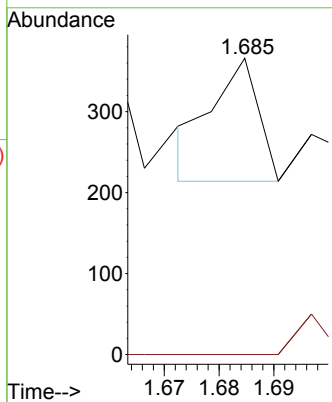
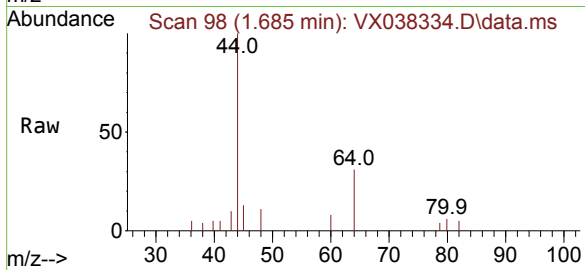




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

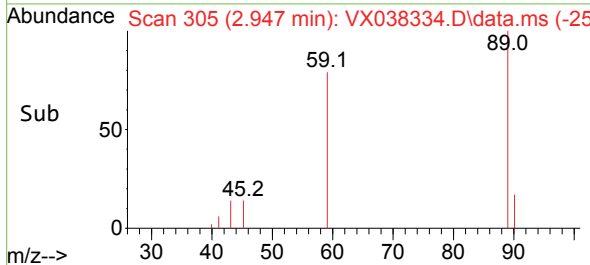
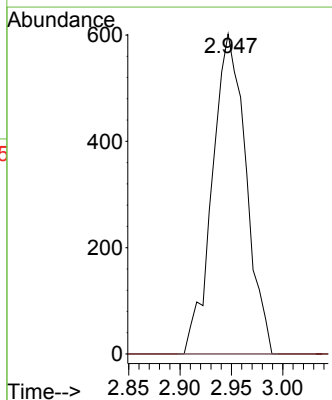
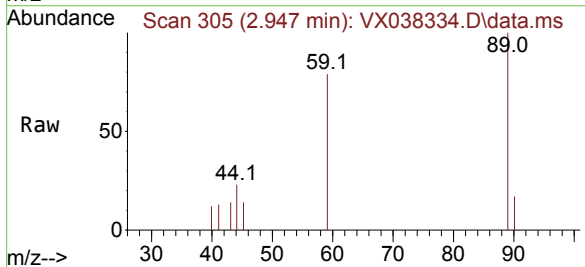
Instrument :
MSVOA_X
ClientSampleId :

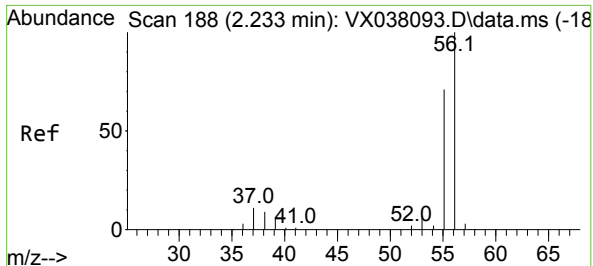
Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 59 Resp: 1368
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.514 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

Instrument :

MSVOA_X

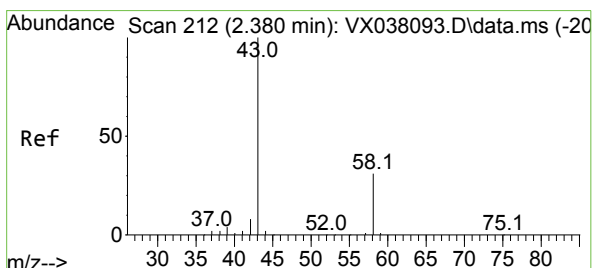
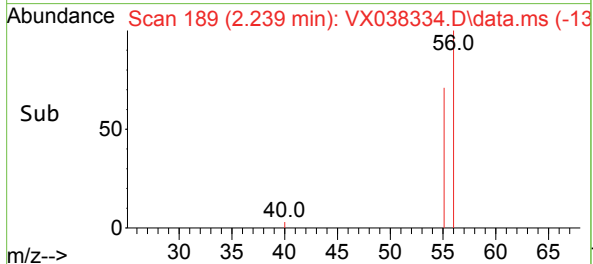
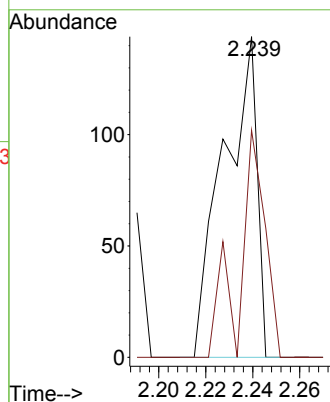
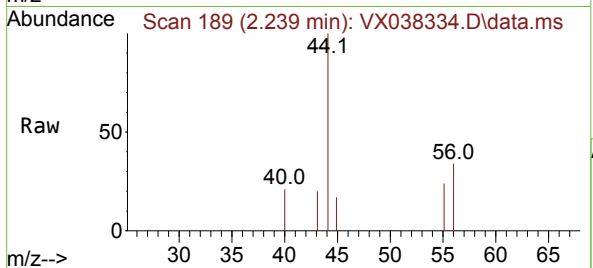
ClientSampleId :

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 54.9 57.1 85.7#



#16

Acetone

Concen: 37.808 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX038334.D

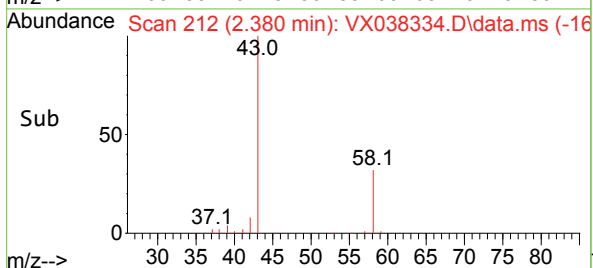
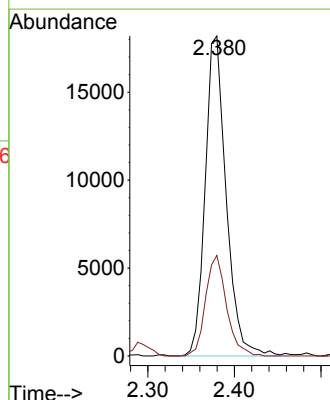
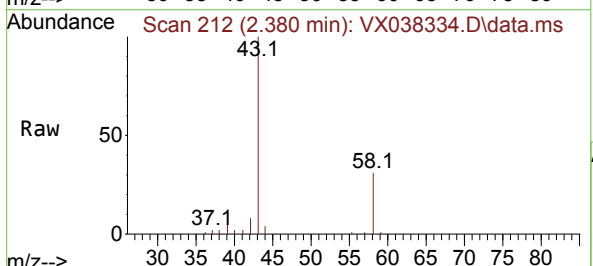
Acq: 17 Oct 2023 17:04

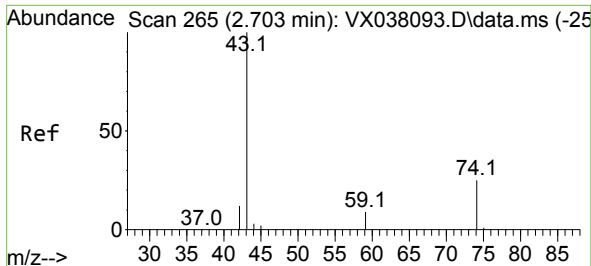
Tgt Ion: 43 Resp: 30635

Ion Ratio Lower Upper

43 100

58 31.4 21.9 32.9

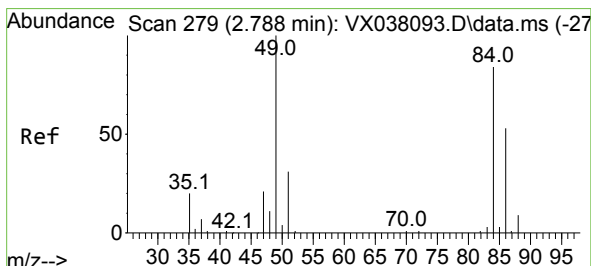
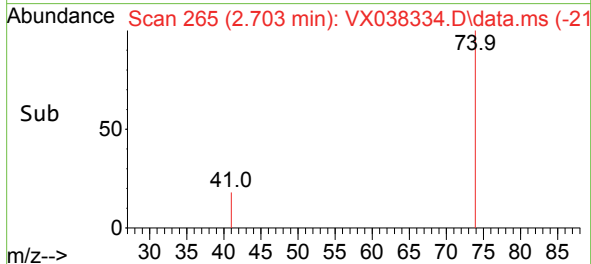
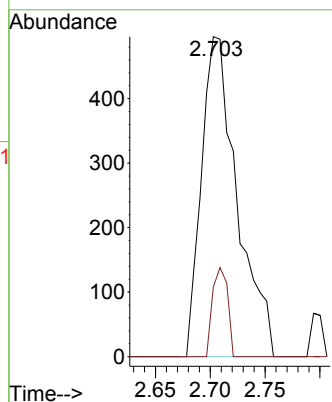
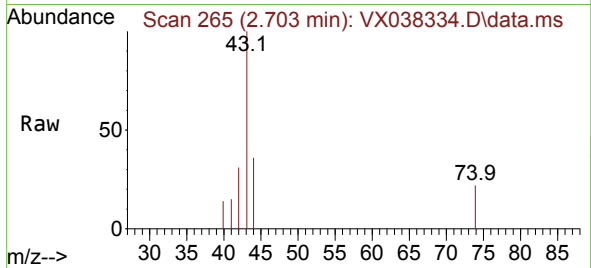




#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 2.703 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

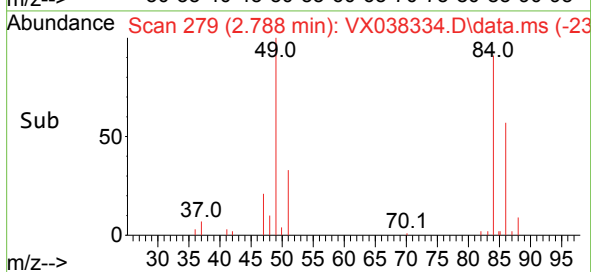
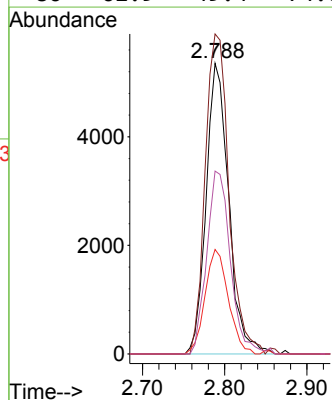
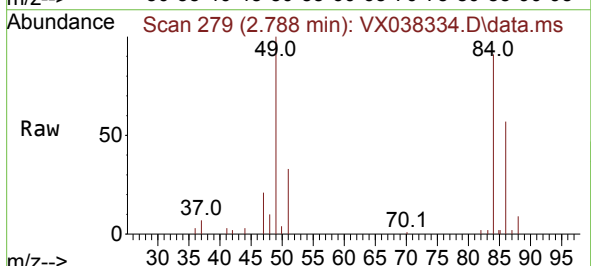
Instrument :
MSVOA_X
ClientSampleId :

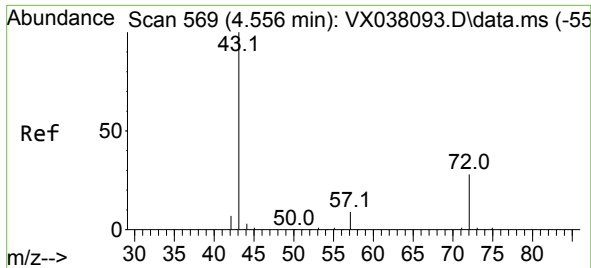
Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 11.7 17.8 26.8#



#20
Methylene Chloride
Concen: 6.706 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 84 Resp: 10221
Ion Ratio Lower Upper
84 100
49 110.1 103.6 155.4
51 35.9 33.8 50.6
86 62.9 49.4 74.0

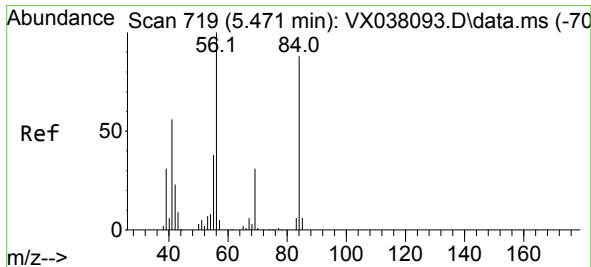
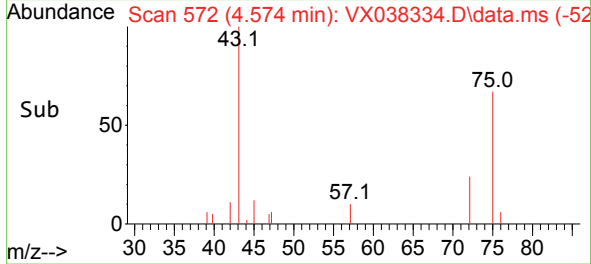
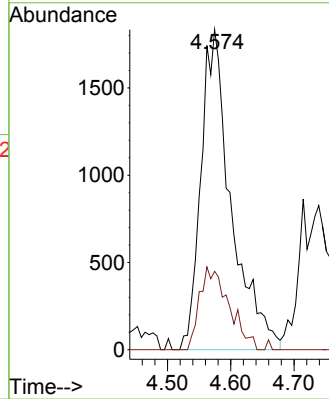
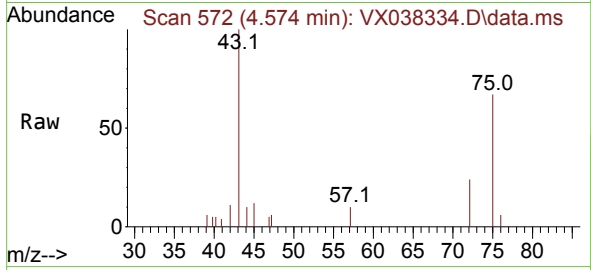




#25
2-Butanone
Concen: 4.666 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

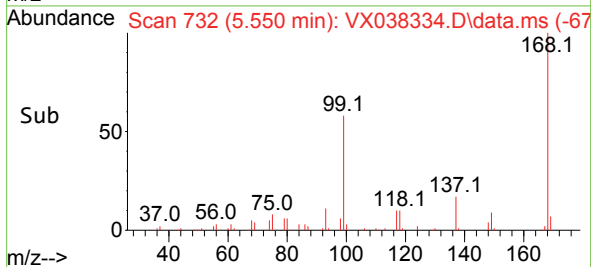
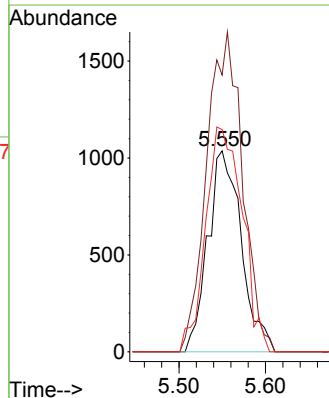
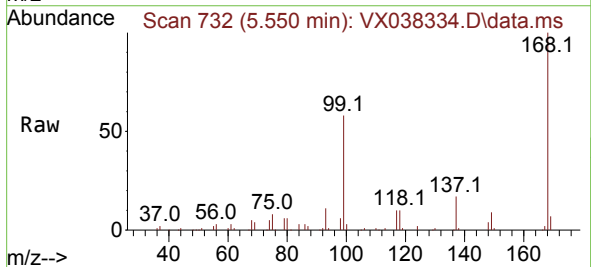
Instrument :
MSVOA_X
ClientSampleId :

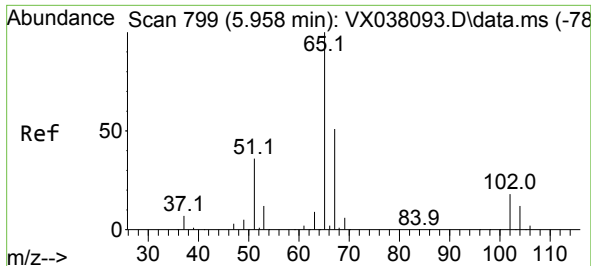
Tgt Ion: 43 Resp: 6100
Ion Ratio Lower Upper
43 100
72 24.5 19.4 29.2



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 56 Resp: 2779
Ion Ratio Lower Upper
56 100
69 137.7 23.4 35.2#
84 110.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.685 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

Instrument :

MSVOA_X

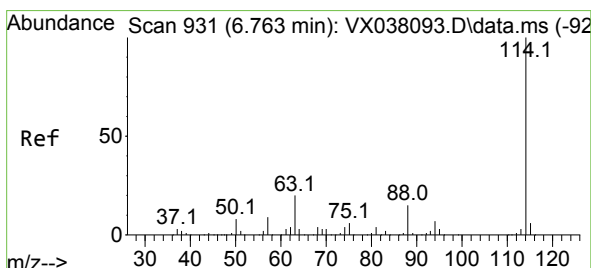
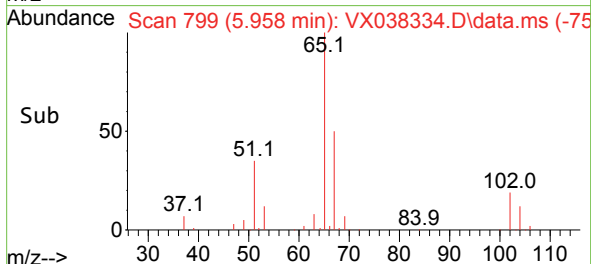
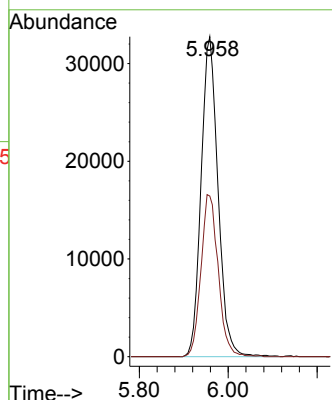
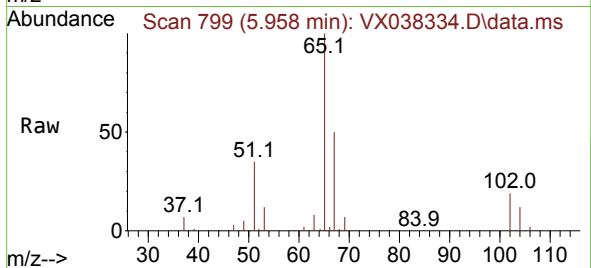
ClientSampleId :

Tgt Ion: 65 Resp: 86756

Ion Ratio Lower Upper

65 100

67 51.6 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: VX038334.D

Acq: 17 Oct 2023 17:04

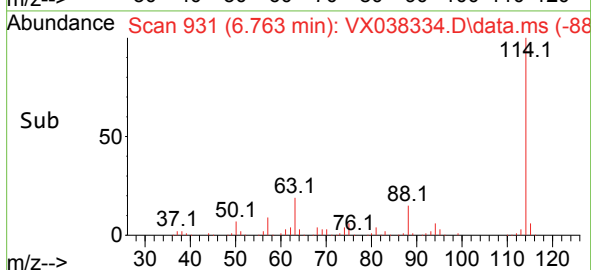
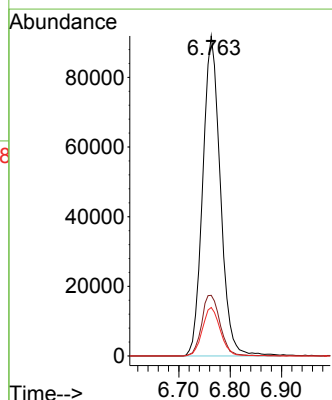
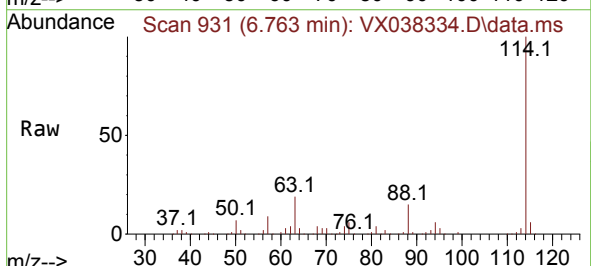
Tgt Ion: 114 Resp: 218967

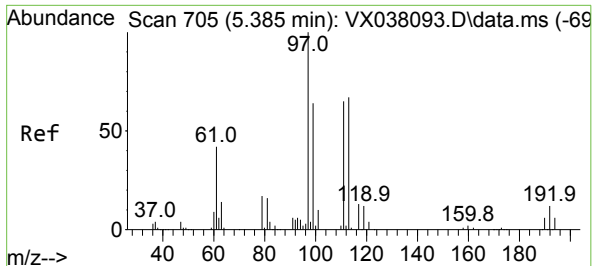
Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

88 15.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.959 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

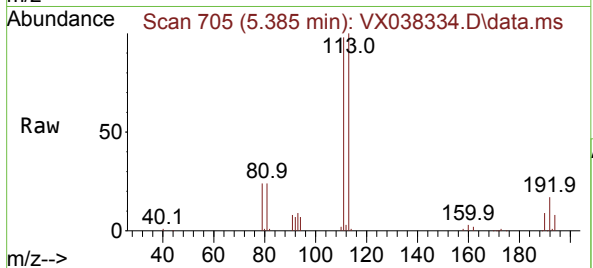
Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

Instrument :

MSVOA_X

ClientSampleId :



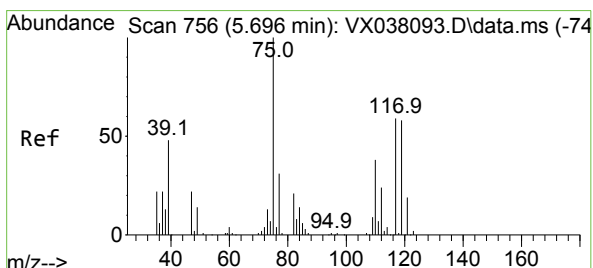
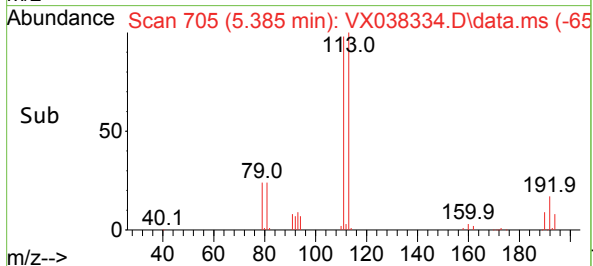
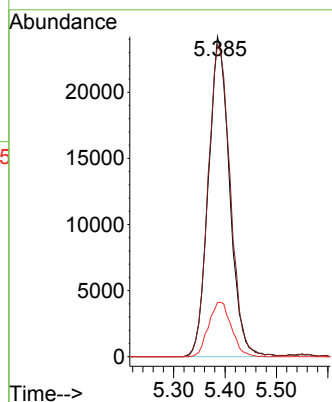
Tgt Ion:113 Resp: 69358

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

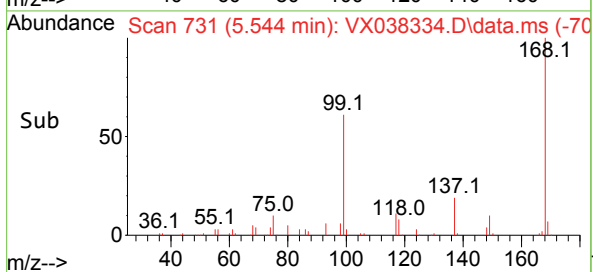
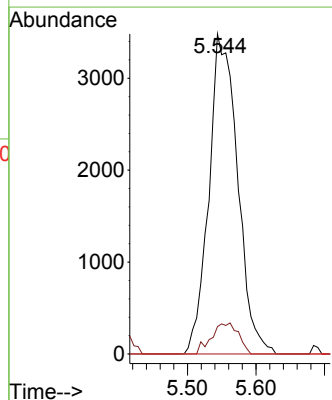
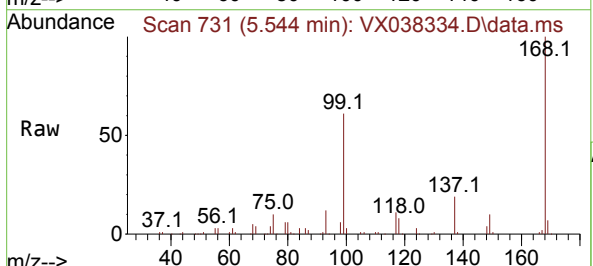
Tgt Ion: 75 Resp: 10131

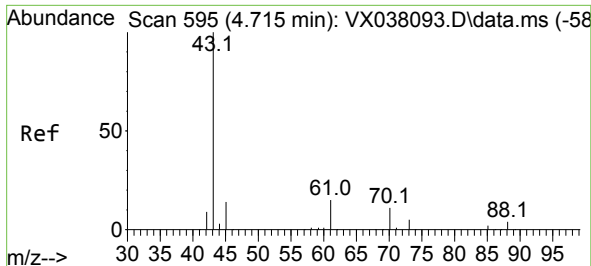
Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.666 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

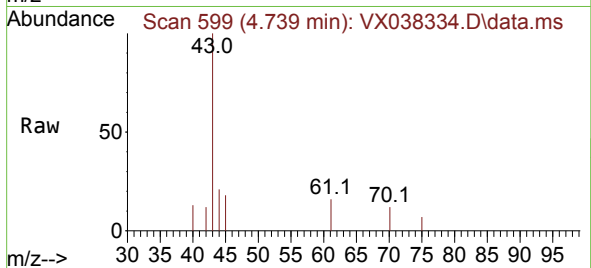
Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

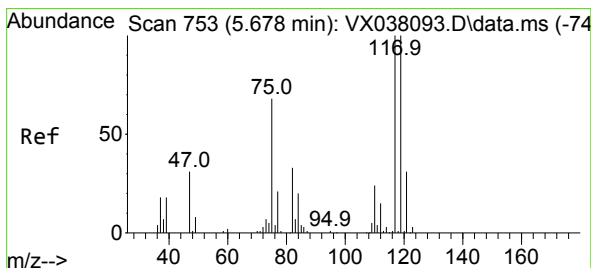
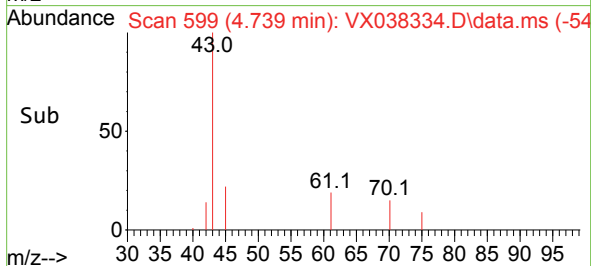
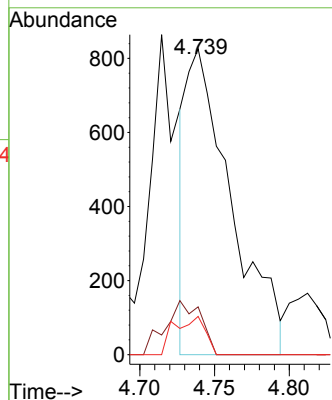
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1720
Ion Ratio	Lower Upper
43	100
61	14.0 10.6 16.0
70	8.5 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.026 ug/l

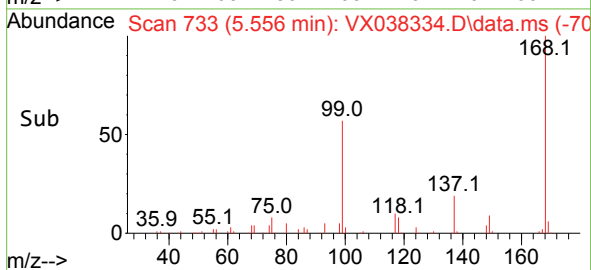
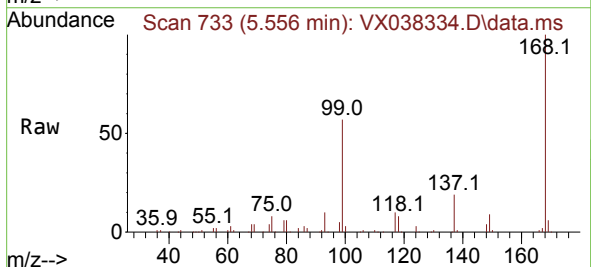
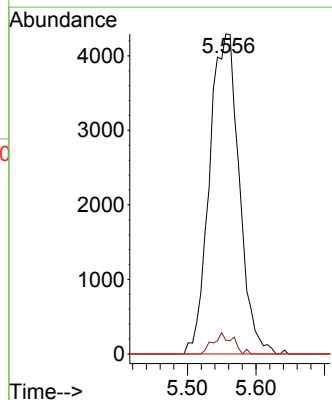
RT: 5.556 min Scan# 733

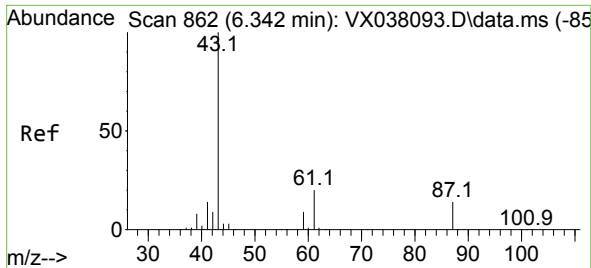
Delta R.T. -0.122 min

Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

Tgt Ion: 117	Resp: 12897
Ion Ratio	Lower Upper
117	100
119	4.3 78.2 117.2#
121	0.0 24.4 36.6#

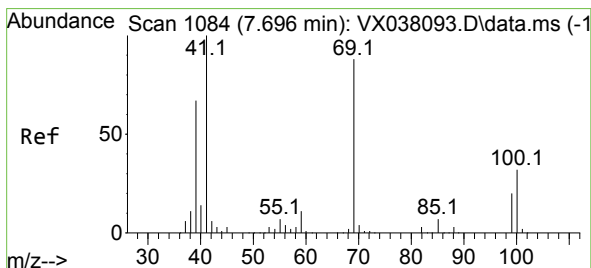
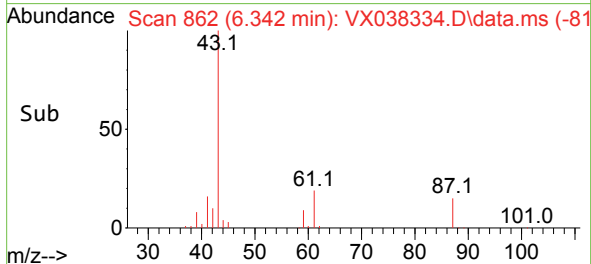
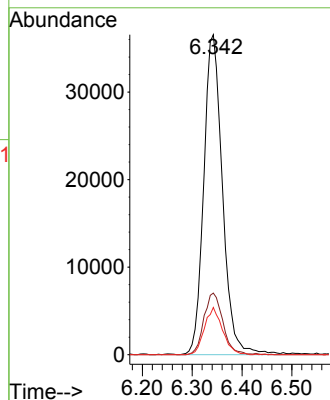
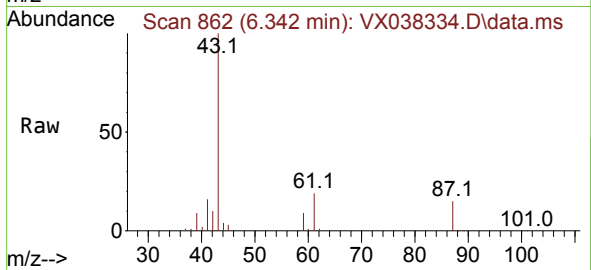




#43
Isopropyl Acetate
Concen: 24.741 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

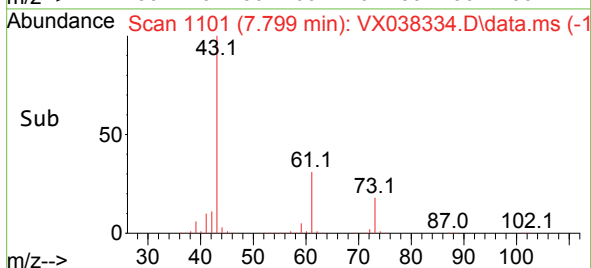
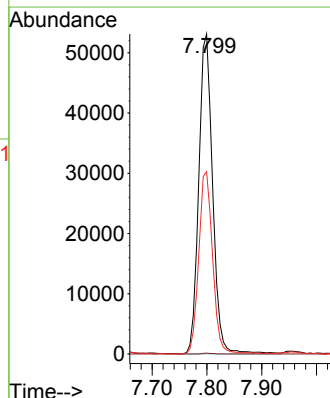
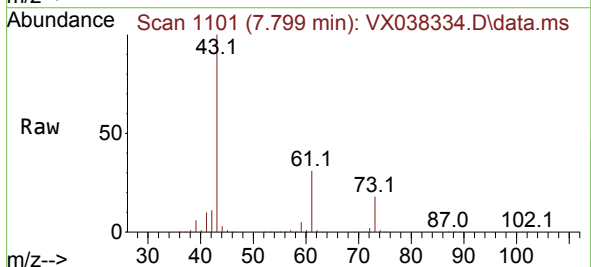
Instrument :
MSVOA_X
ClientSampleId :

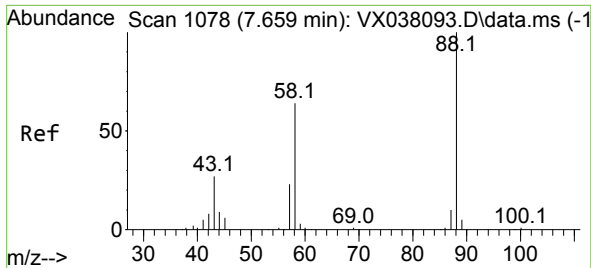
Tgt Ion: 43 Resp: 95439
Ion Ratio Lower Upper
43 100
61 19.4 15.2 22.8
87 14.2 9.8 14.6



#48
Methyl methacrylate
Concen: 50.862 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 41 Resp: 93662
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 57.1 47.7 71.5

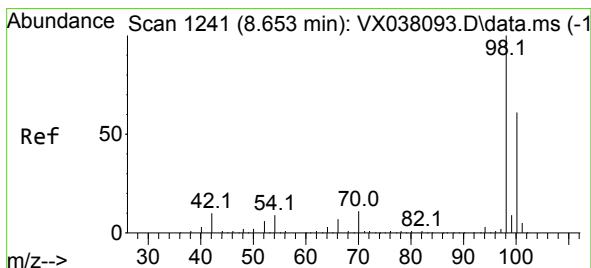
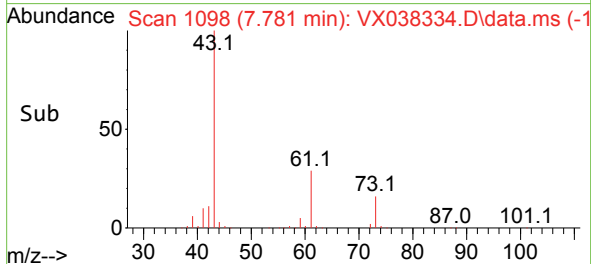
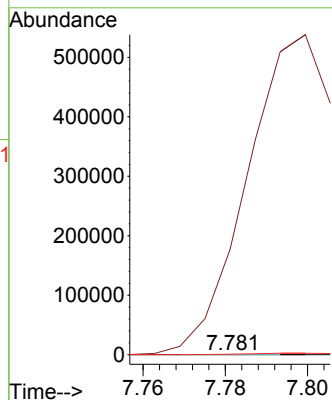
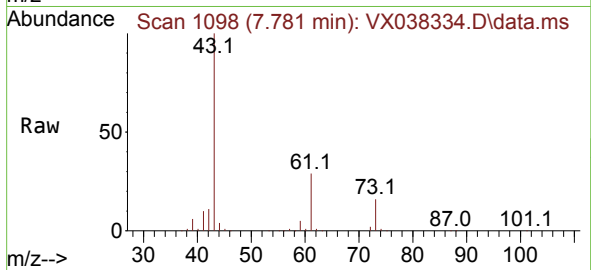




#49
1,4-Dioxane
Concen: 1.124 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

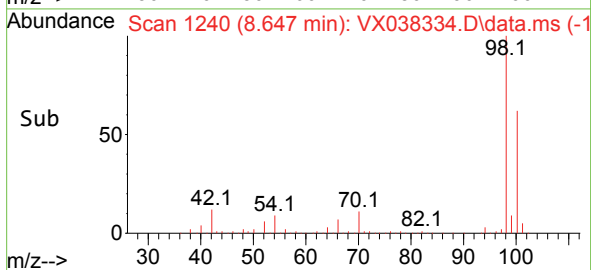
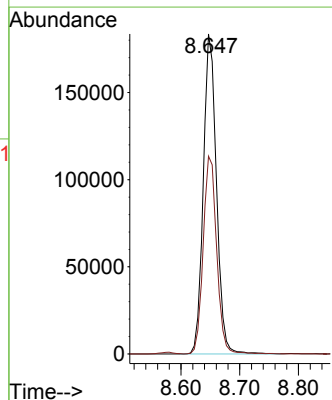
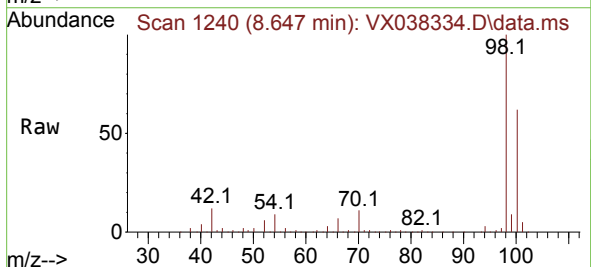
Instrument :
MSVOA_X
ClientSampleId :

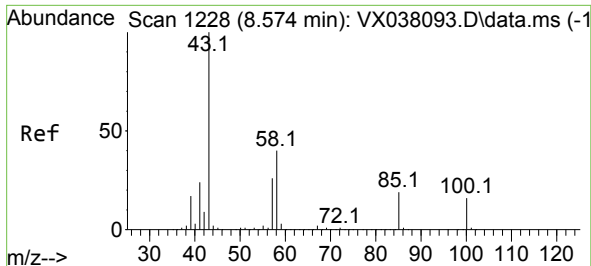
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 47.398 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

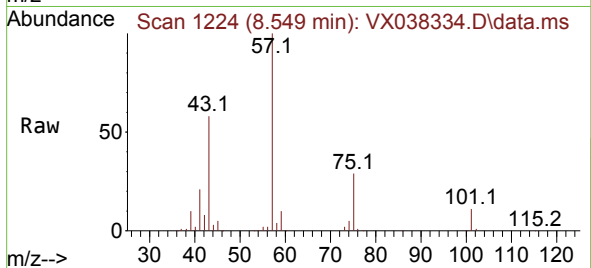
Tgt Ion: 98 Resp: 285768
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



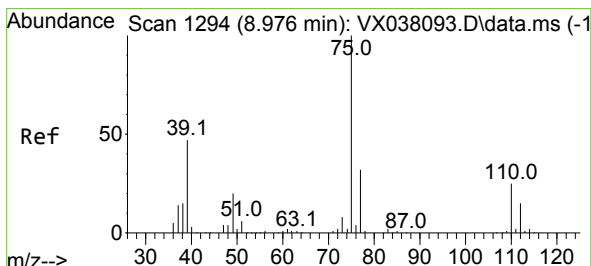
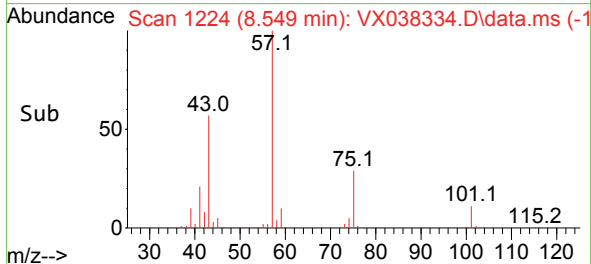
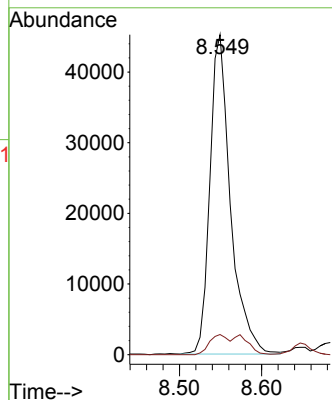


#51
4-Methyl-2-Pentanone
Concen: 29.561 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Instrument :
MSVOA_X
ClientSampleId :

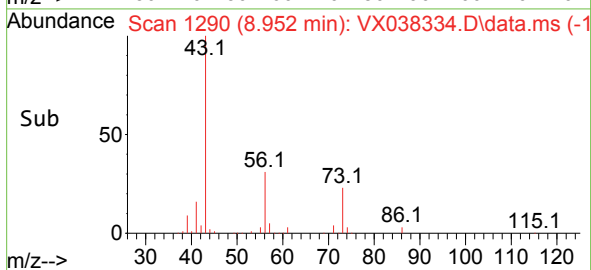
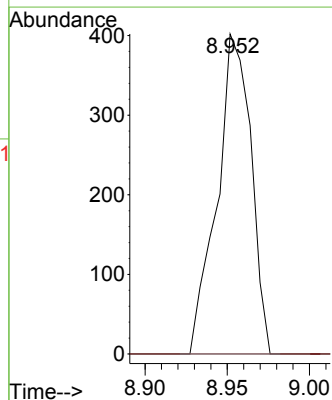
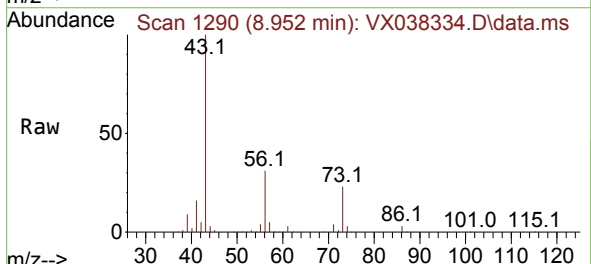


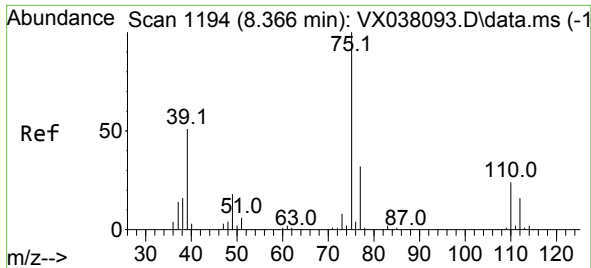
Tgt Ion: 43 Resp: 78653
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 75 Resp: 578
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

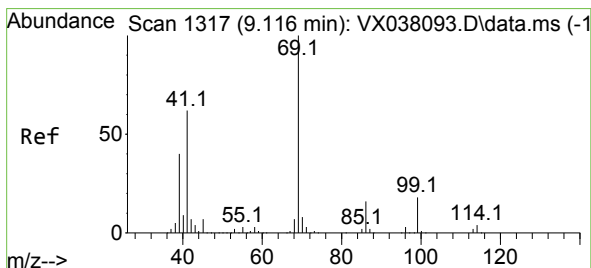
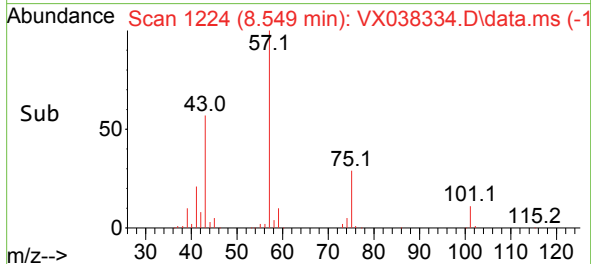
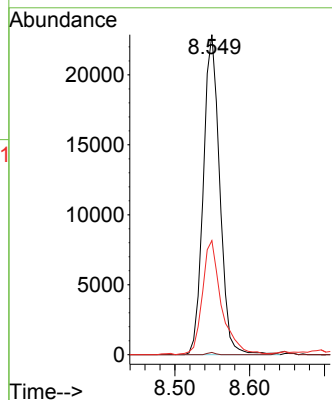
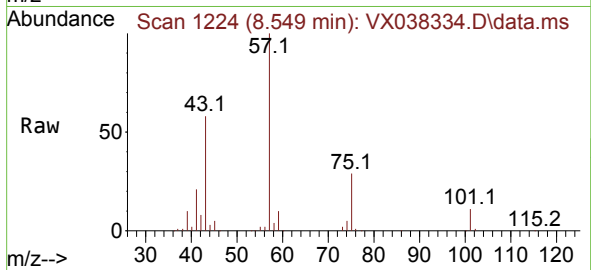




#54
 cis-1,3-Dichloropropene
 Concen: 14.234 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038334.D
 Acq: 17 Oct 2023 17:04

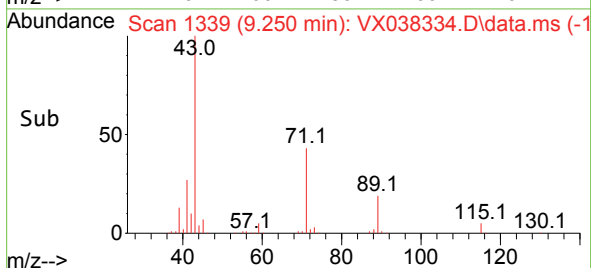
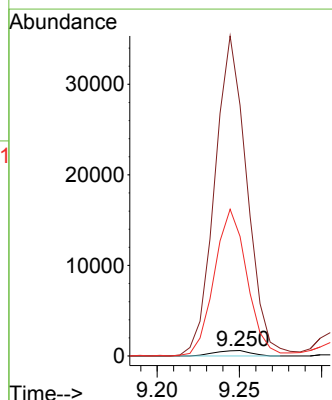
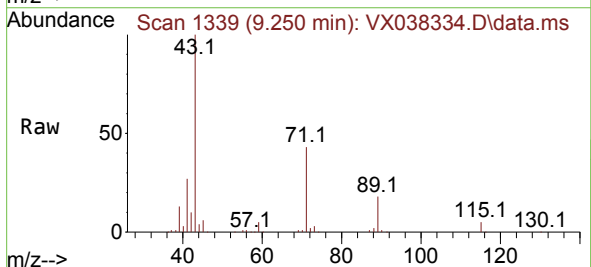
Instrument :
 MSVOA_X
 ClientSampleId :

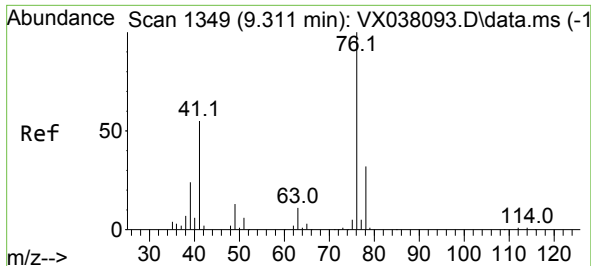
Tgt Ion: 75 Resp: 34885
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 35.4 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.348 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX038334.D
 Acq: 17 Oct 2023 17:04

Tgt Ion: 69 Resp: 905
 Ion Ratio Lower Upper
 69 100
 41 5340.6 56.8 85.2#
 39 2499.1 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.757 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038334.D

Acq: 17 Oct 2023 17:04

Instrument :

MSVOA_X

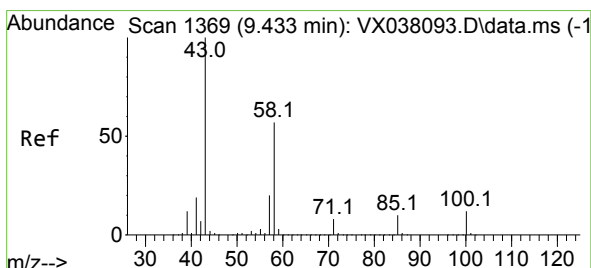
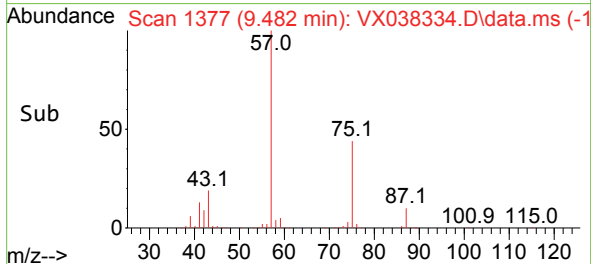
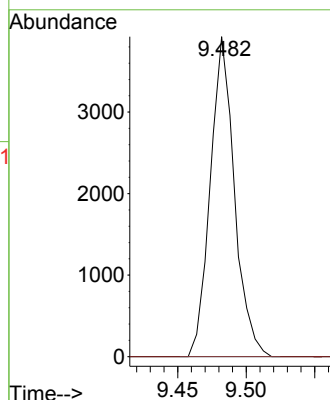
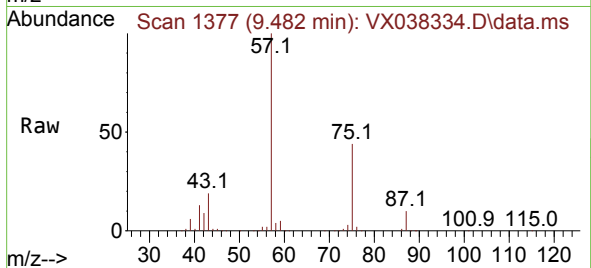
ClientSampleId :

Tgt Ion: 76 Resp: 4817

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.474 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038334.D

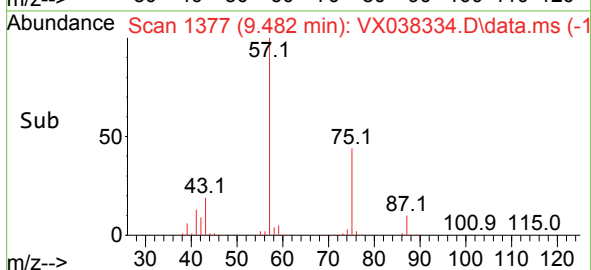
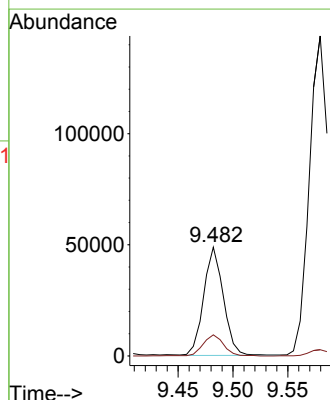
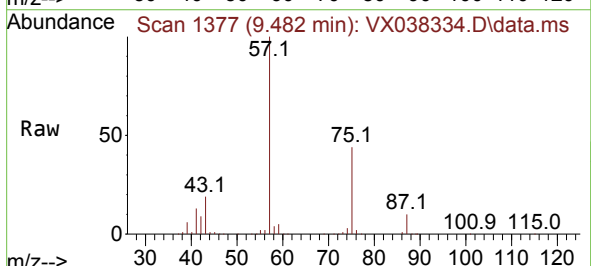
Acq: 17 Oct 2023 17:04

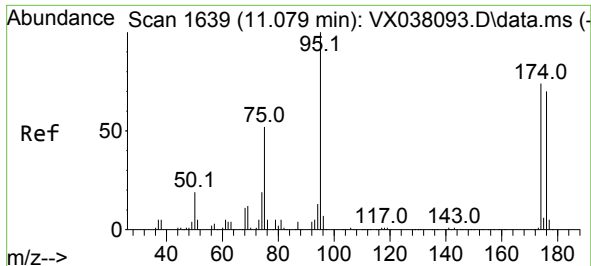
Tgt Ion: 43 Resp: 60906

Ion Ratio Lower Upper

43 100

58 20.6 26.2 78.5#

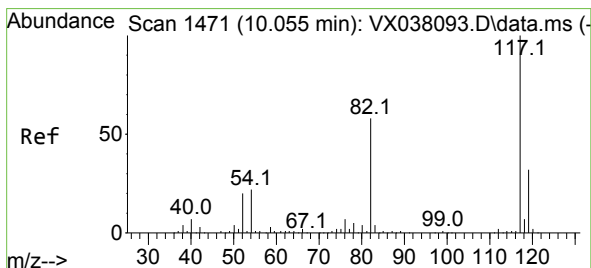
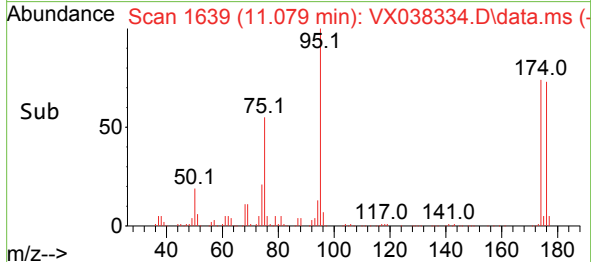
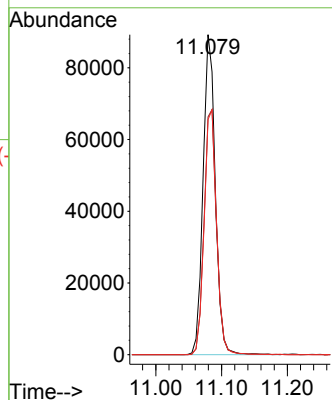
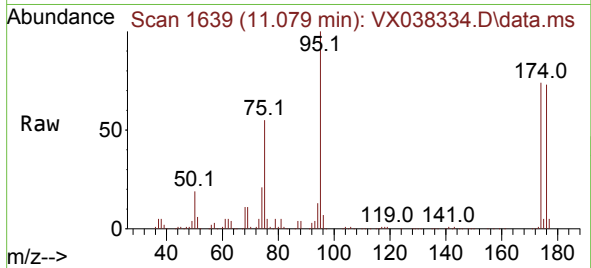




#62
4-Bromofluorobenzene
Concen: 50.543 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

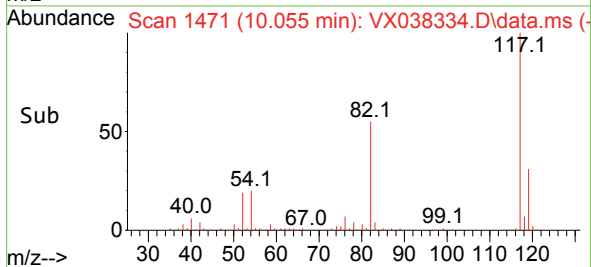
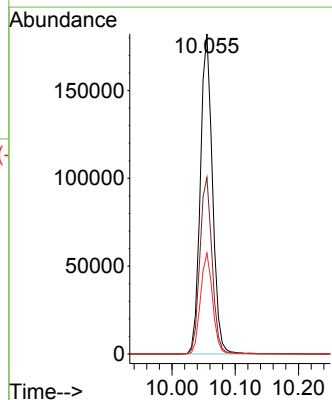
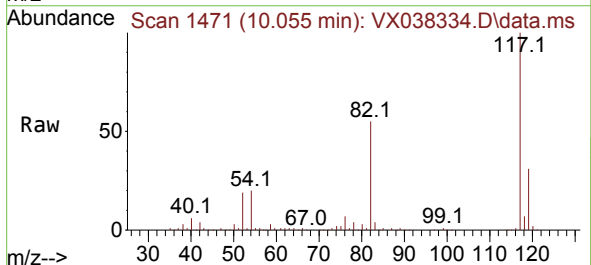
Instrument :
MSVOA_X
ClientSampleId :

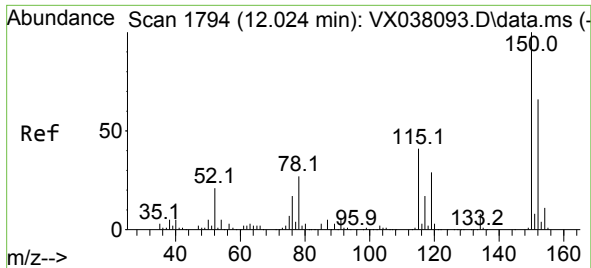
Tgt Ion: 95 Resp: 115527
Ion Ratio Lower Upper
95 100
174 78.3 0.0 135.6
176 77.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

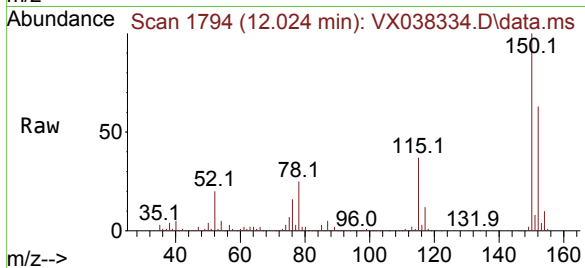
Tgt Ion: 117 Resp: 243379
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 31.5 25.5 38.3



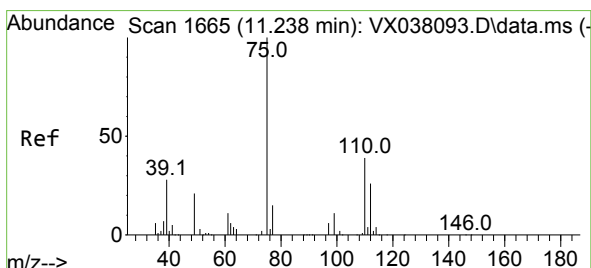
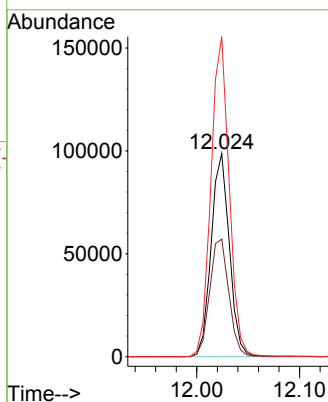
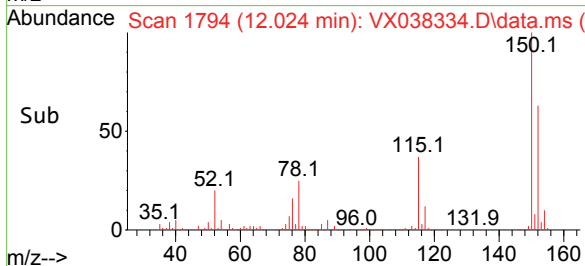


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038334.D
 Acq: 17 Oct 2023 17:04

Instrument :
 MSVOA_X
 ClientSampleId :

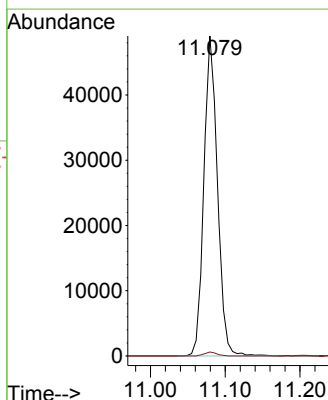
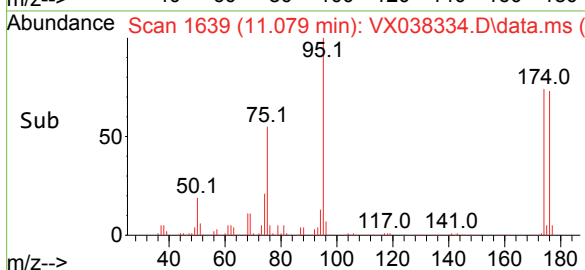
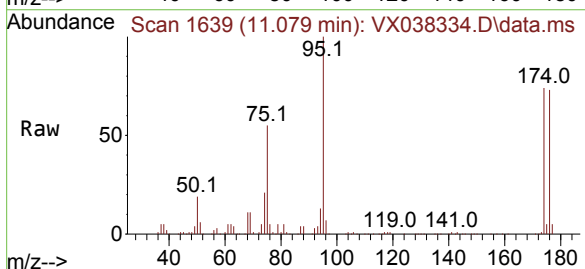


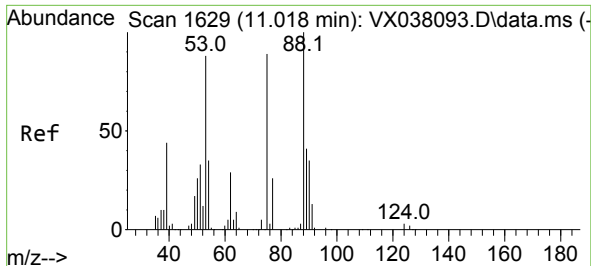
Tgt Ion:152 Resp: 121255
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.3 129.9
 150 157.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.431 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038334.D
 Acq: 17 Oct 2023 17:04

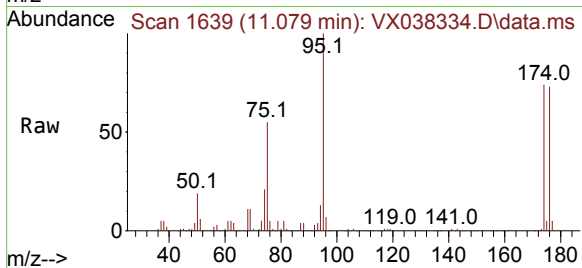
Tgt Ion: 75 Resp: 61834
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



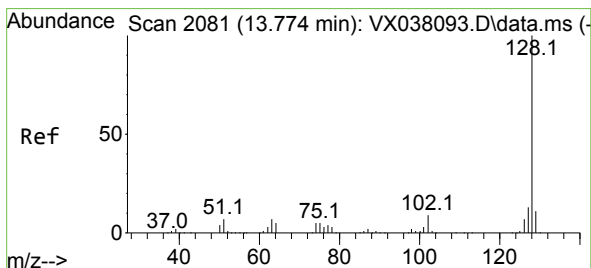
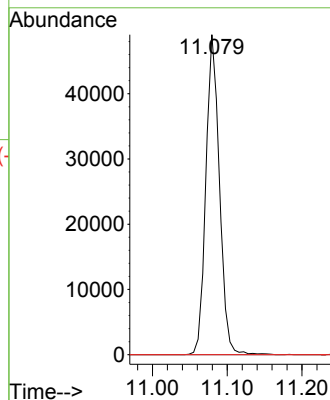
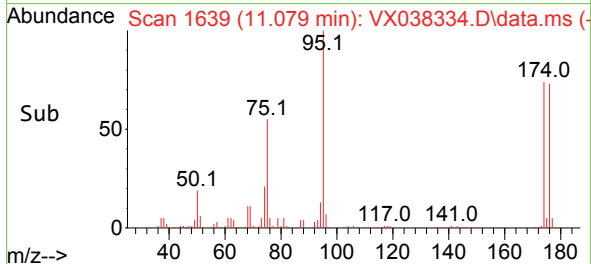


#81
trans-1,4-Dichloro-2-butene
Concen: 64.248 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 61834
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 10.619 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX038334.D
Acq: 17 Oct 2023 17:04

Tgt Ion: 128 Resp: 95074
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.2 8.8 13.2

