

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036940.D
 Acq On : 11 Aug 2023 14:51
 Operator : JC/MD
 Sample : 03955-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

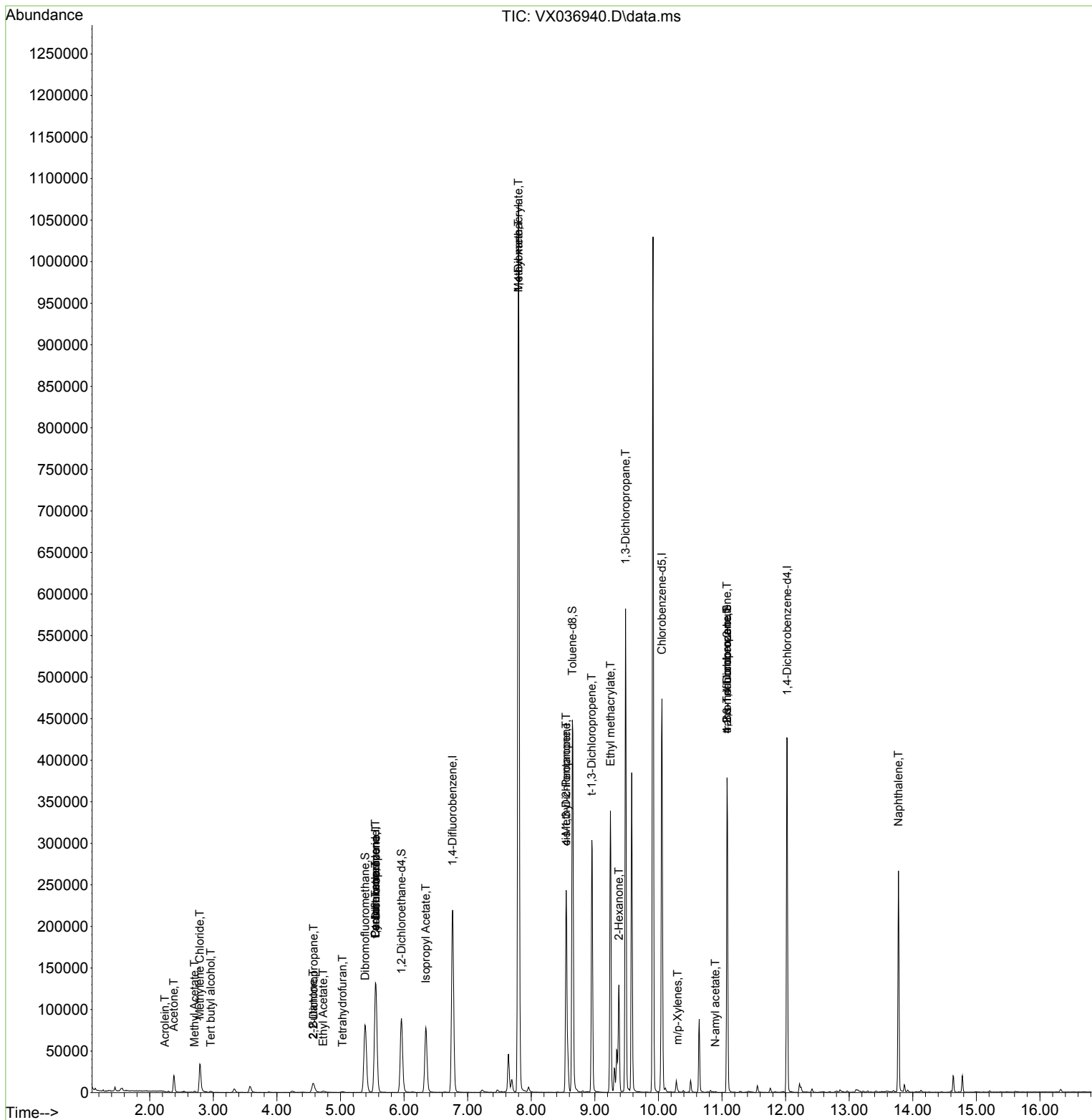
Quant Time: Aug 11 22:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

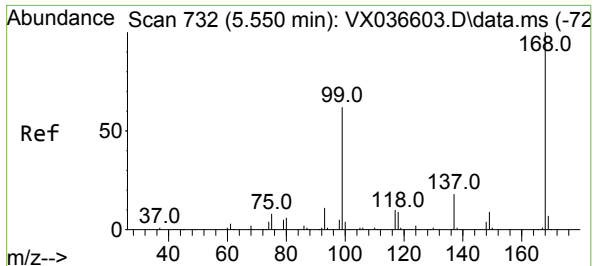
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	122496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88112	48.613	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.220%		
35) Dibromofluoromethane	5.385	113	71578	46.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	8.647	98	271977	49.600	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.200%		
62) 4-Bromofluorobenzene	11.079	95	102228	49.414	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1546	3.603	ug/l #	82
13) Acrolein	2.239	56	200	0.817	ug/l #	50
16) Acetone	2.380	43	21104	28.059	ug/l	92
18) Methyl Acetate	2.703	43	1789	0.565	ug/l	98
20) Methylene Chloride	2.788	84	18751	11.210	ug/l	90
25) 2-Butanone	4.568	43	7420	6.081	ug/l	96
26) 2,2-Dichloropropane	4.574	77	566	0.209	ug/l #	54
29) Tetrahydrofuran	5.032	42	713	0.906	ug/l #	76
31) Cyclohexane	5.550	56	2636	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10377	4.503	ug/l #	50
37) Ethyl Acetate	4.727	43	2549	0.977	ug/l #	91
38) Carbon Tetrachloride	5.550	117	13383	5.462	ug/l #	14
43) Isopropyl Acetate	6.342	43	105965	23.599	ug/l #	94
48) Methyl methacrylate	7.799	41	89497	42.858	ug/l #	49
49) 1,4-Dioxane	7.799	88	145	3.437	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	100572	40.473	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	681	0.234	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	40923	13.341	ug/l #	54
56) Ethyl methacrylate	9.244	69	646	0.225	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5316	1.807	ug/l #	42
59) 2-Hexanone	9.378	43	93791	50.857	ug/l #	26
68) m/p-Xylenes	10.299	106	636	0.201	ug/l	78
74) N-amyl acetate	10.896	43	715	0.207	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	52622	24.938	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52622	56.524	ug/l #	5
95) Naphthalene	13.774	128	160918	24.803	ug/l	99

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

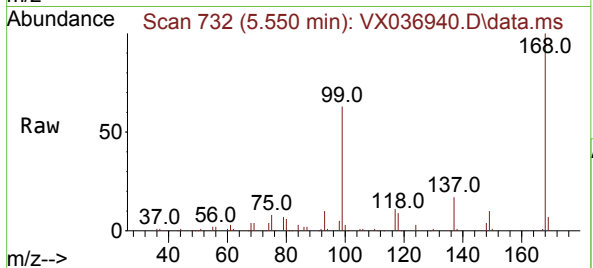
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



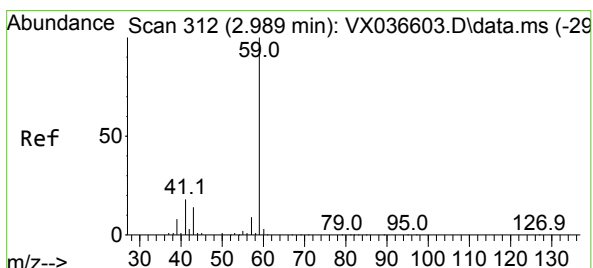
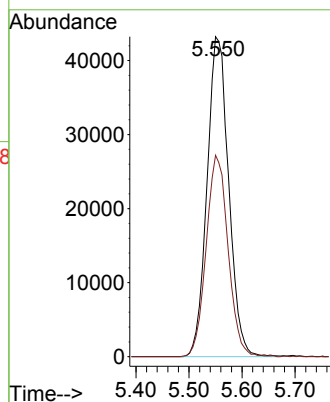
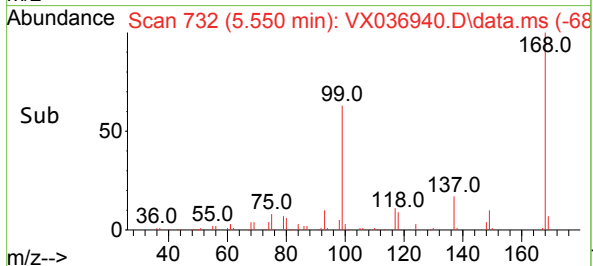


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :

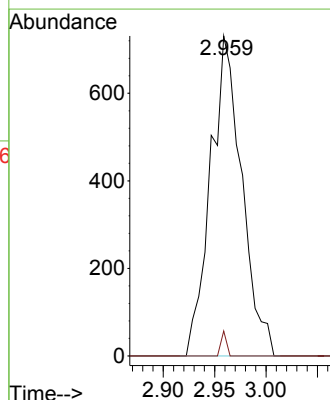
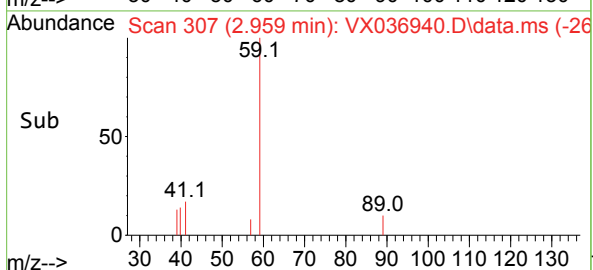
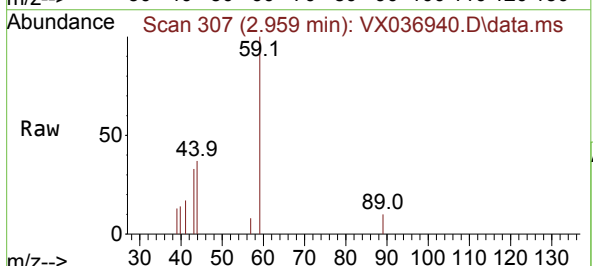


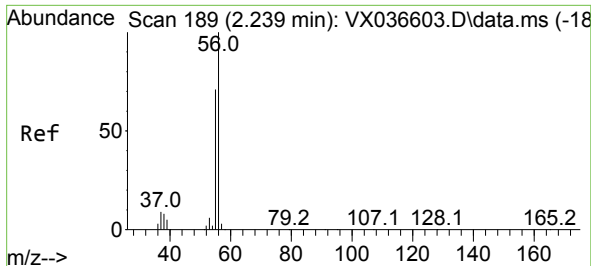
Tgt Ion:168 Resp: 122496
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.603 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

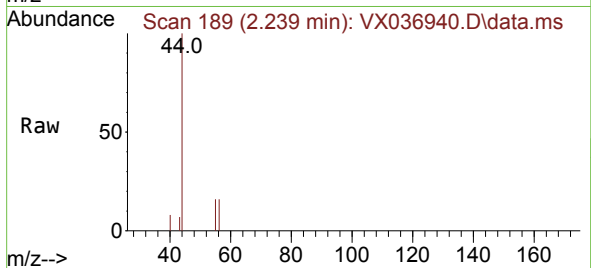
Tgt Ion: 59 Resp: 1546
Ion Ratio Lower Upper
59 100
57 1.4 6.0 9.0#



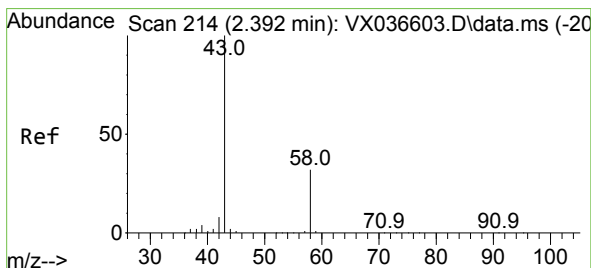
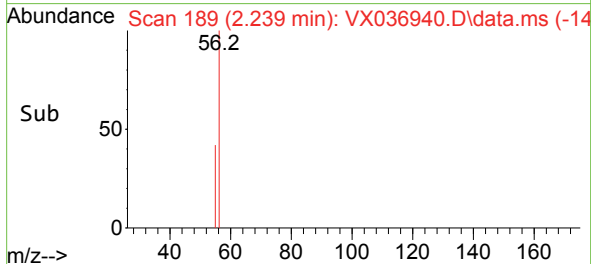
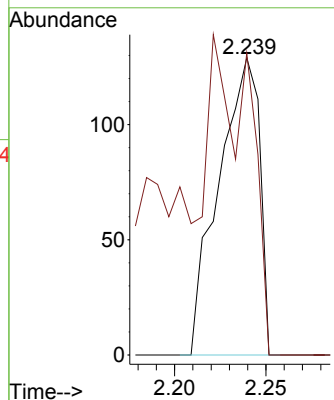


#13
Acrolein
Concen: 0.817 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :

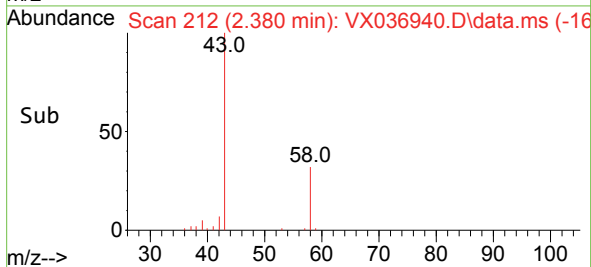
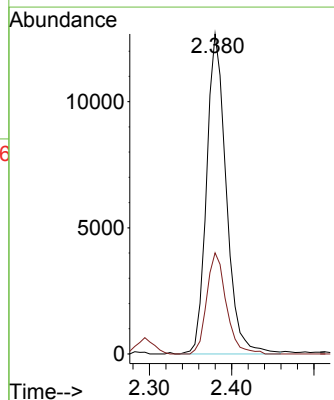
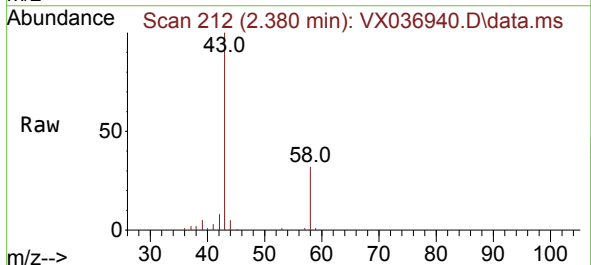


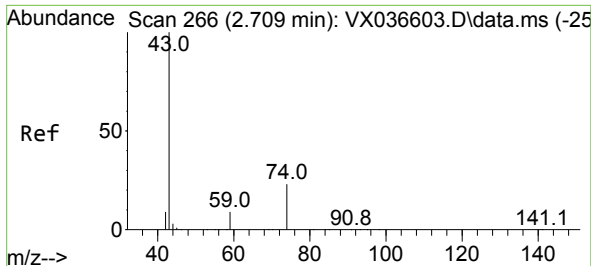
Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 112.5 57.1 85.7#



#16
Acetone
Concen: 28.059 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

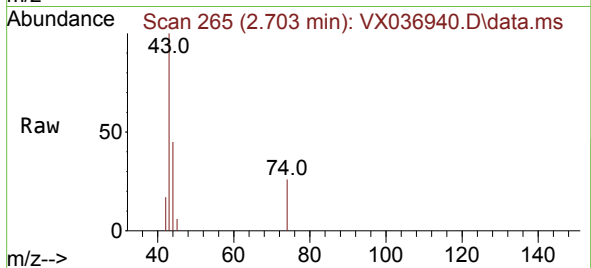
Tgt Ion: 43 Resp: 21104
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9



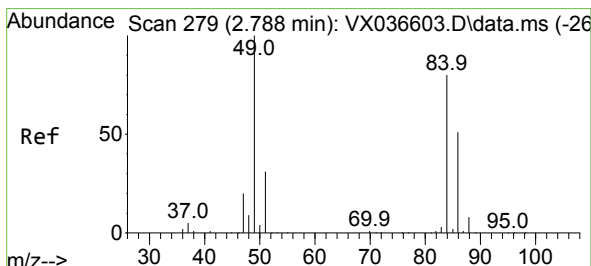
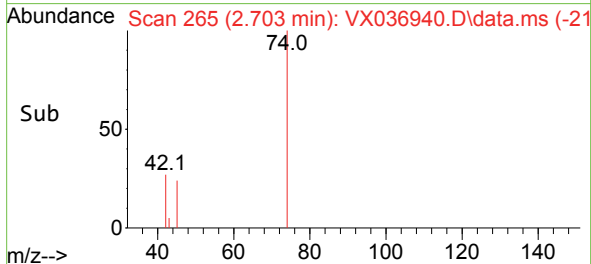
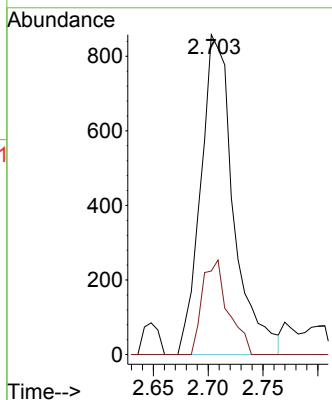


#18
Methyl Acetate
Concen: 0.565 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :

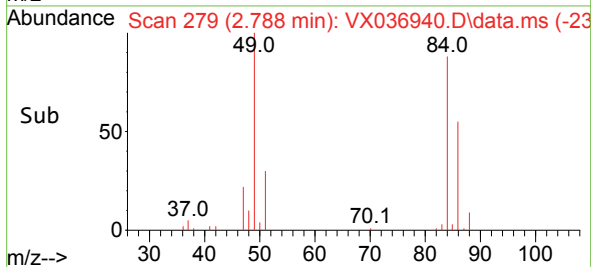
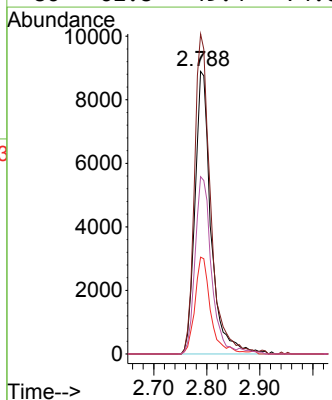
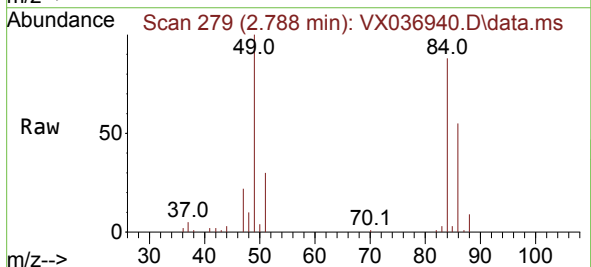


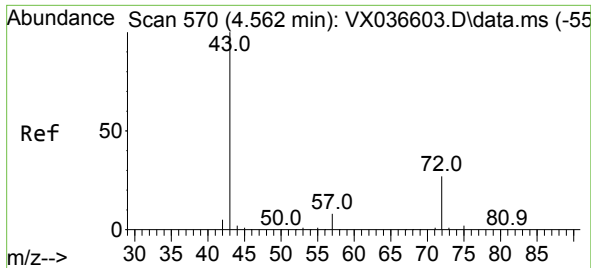
Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#20
Methylene Chloride
Concen: 11.210 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 84 Resp: 18751
Ion Ratio Lower Upper
84 100
49 113.2 103.6 155.4
51 34.2 33.8 50.6
86 62.8 49.4 74.0

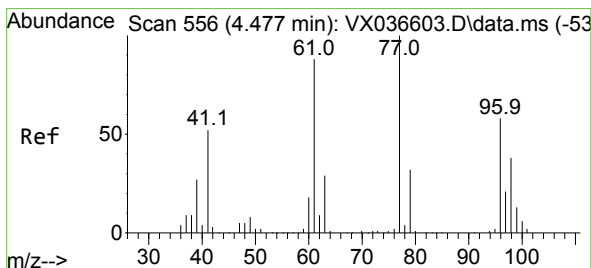
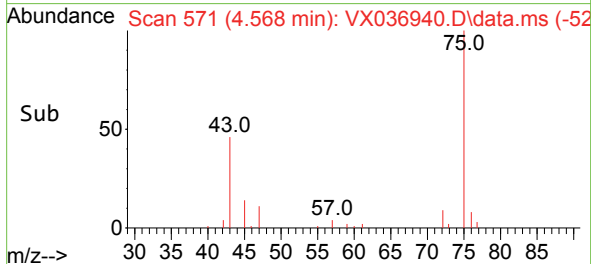
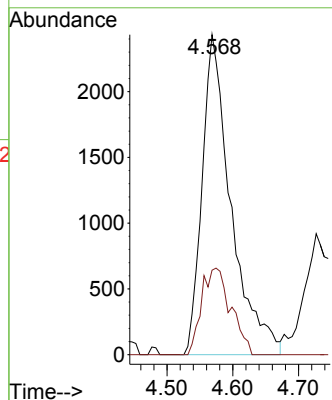
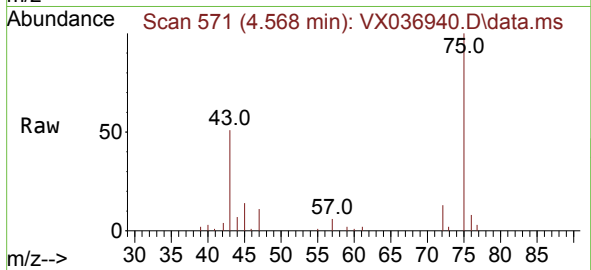




#25
2-Butanone
Concen: 6.081 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

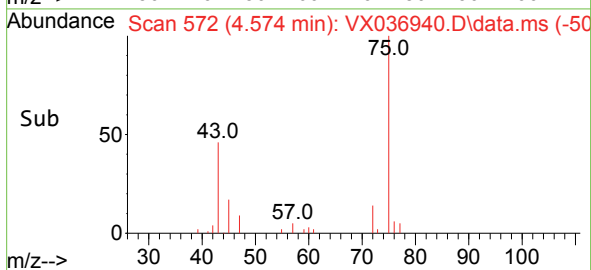
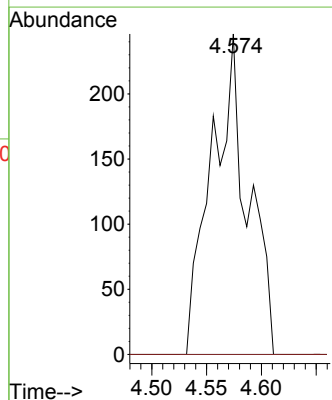
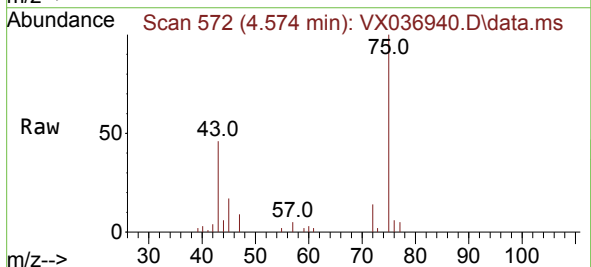
Instrument :
MSVOA_X
ClientSampleId :

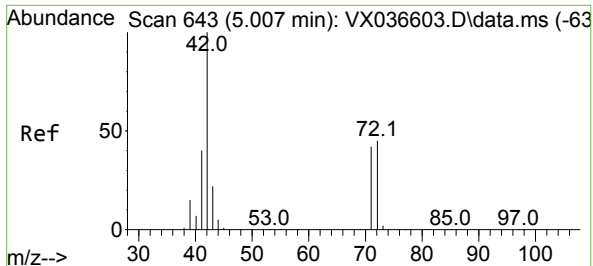
Tgt Ion: 43 Resp: 7420
Ion Ratio Lower Upper
43 100
72 26.4 19.4 29.2



#26
2,2-Dichloropropane
Concen: 0.209 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.098 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 77 Resp: 566
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#29

Tetrahydrofuran

Concen: 0.906 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

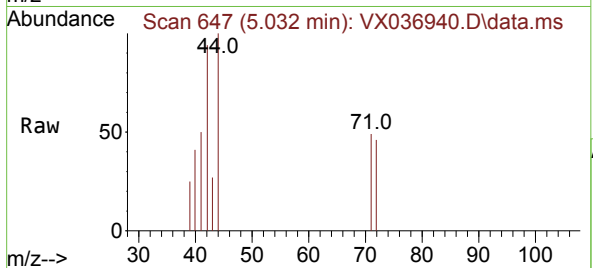
Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :



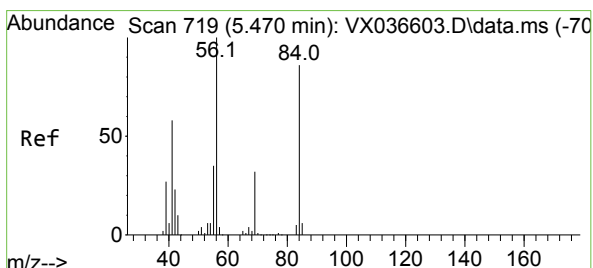
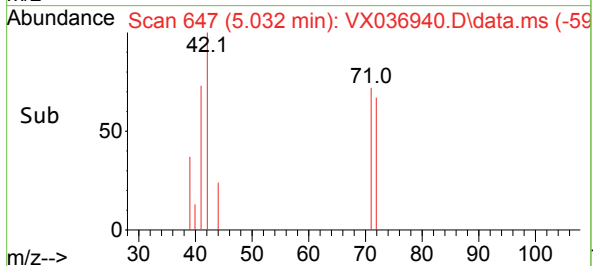
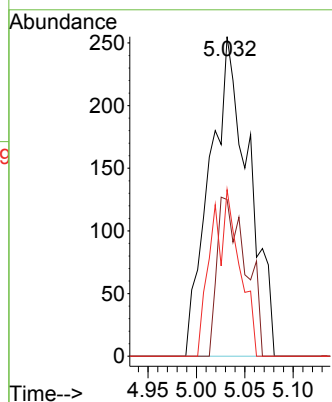
Tgt Ion: 42 Resp: 713

Ion Ratio Lower Upper

42 100

72 36.6 34.2 51.4

71 16.5 32.2 48.2#



#31

Cyclohexane

Concen: 1.050 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

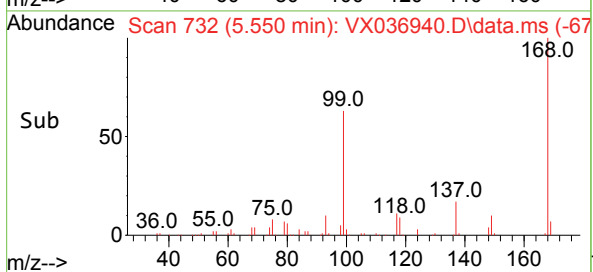
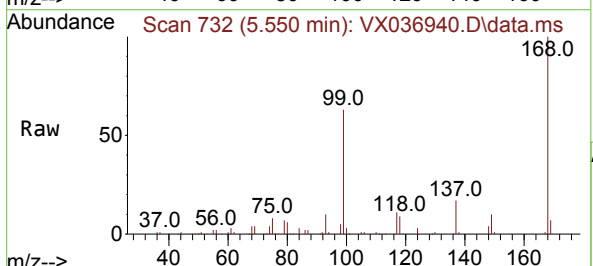
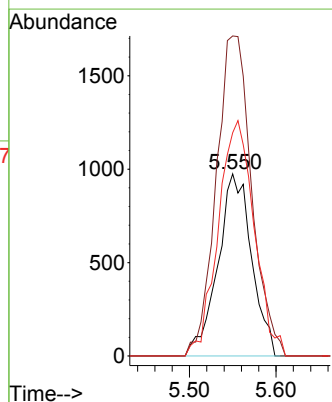
Tgt Ion: 56 Resp: 2636

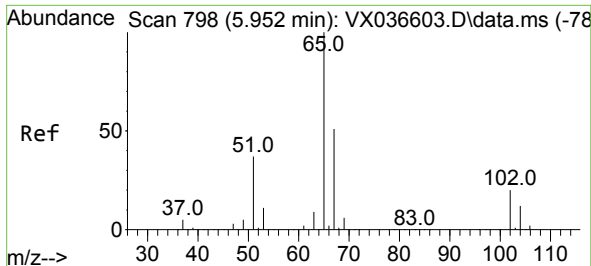
Ion Ratio Lower Upper

56 100

69 175.7 23.4 35.2#

84 122.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.613 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

Instrument :

MSVOA_X

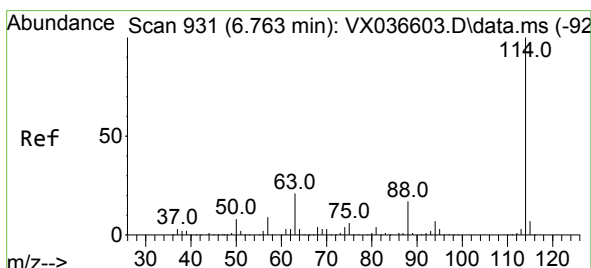
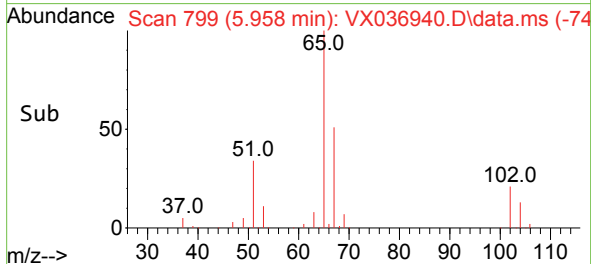
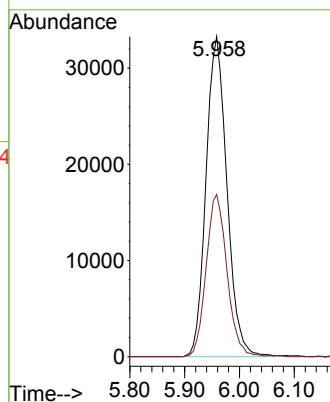
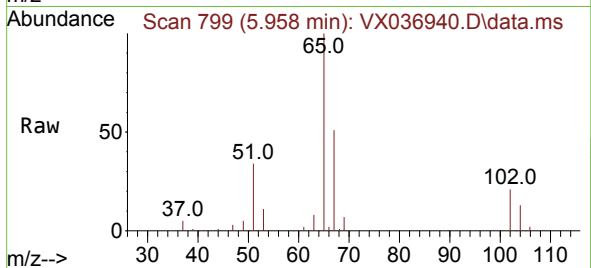
ClientSampleId :

Tgt Ion: 65 Resp: 88112

Ion Ratio Lower Upper

65 100

67 50.5 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: VX036940.D

Acq: 11 Aug 2023 14:51

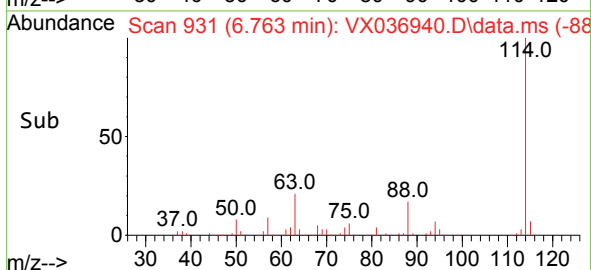
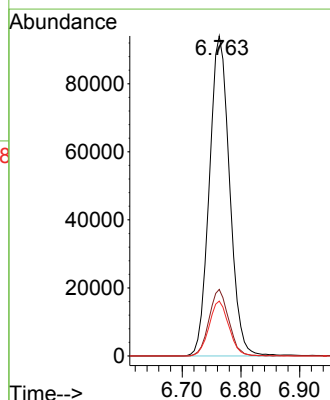
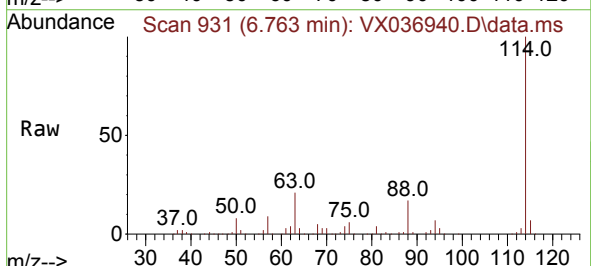
Tgt Ion: 114 Resp: 224962

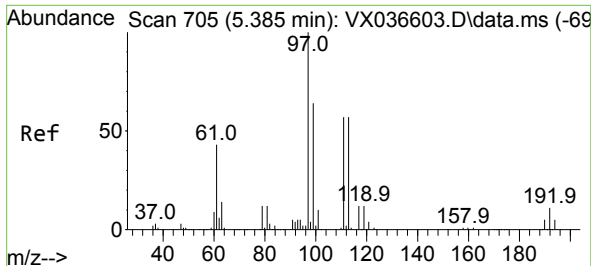
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

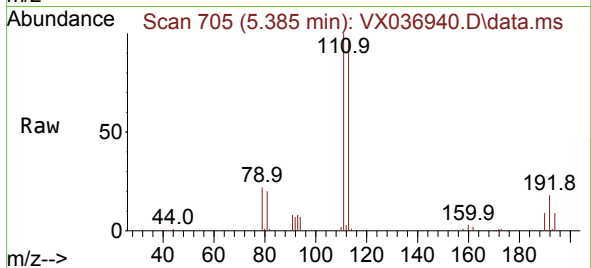
88 17.1 0.0 36.6



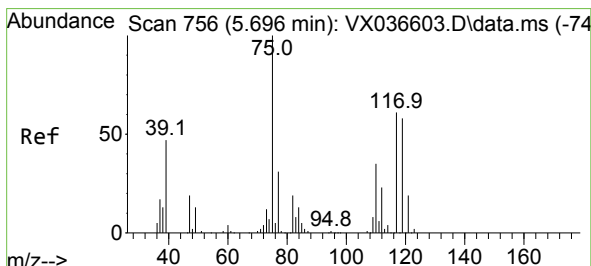
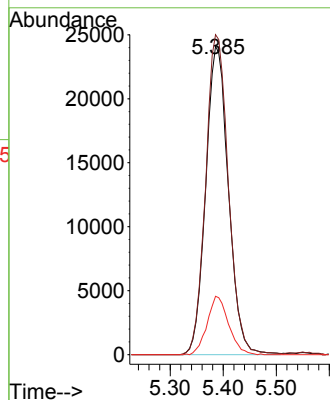
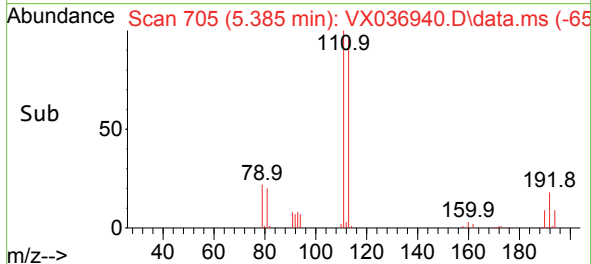


#35
Dibromofluoromethane
Concen: 46.291 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :

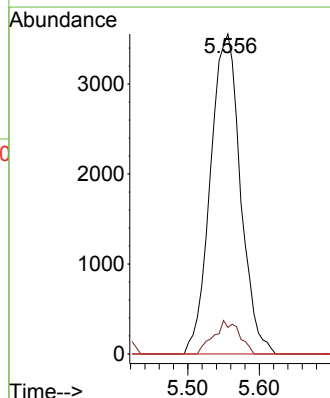
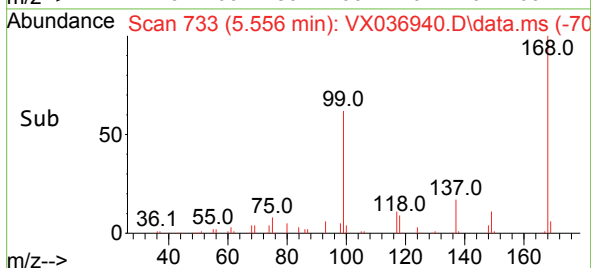
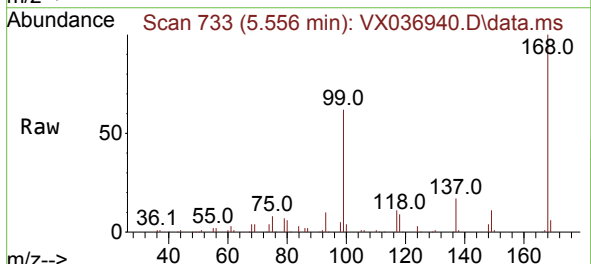


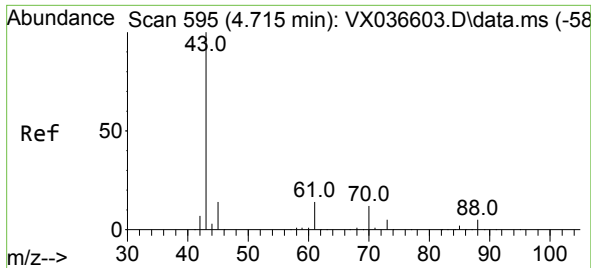
Tgt Ion:113 Resp: 71578
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 75 Resp: 10377
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.977 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

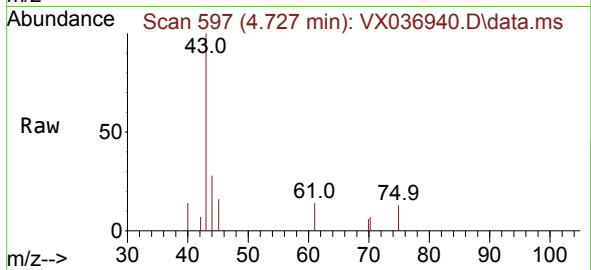
Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

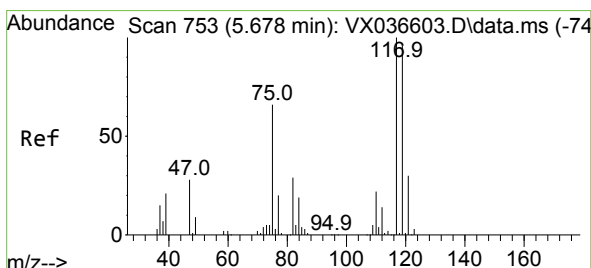
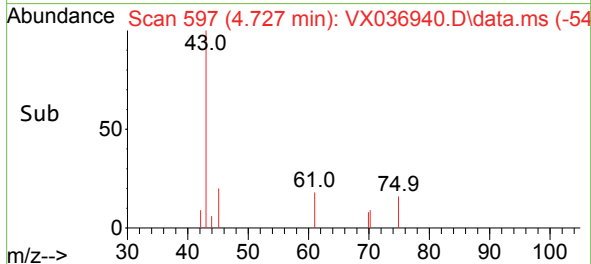
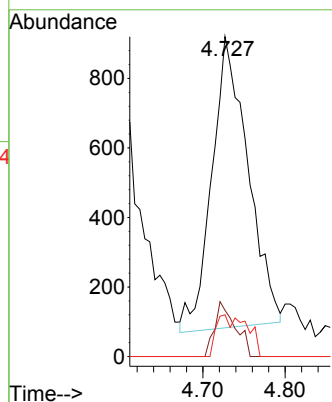
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2549
Ion	Ratio	Lower	Upper
43	100		
61	10.8	10.6	16.0
70	5.7	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.462 ug/l

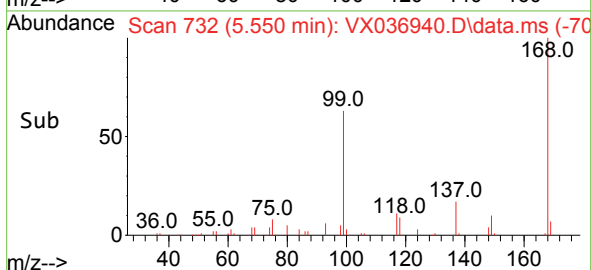
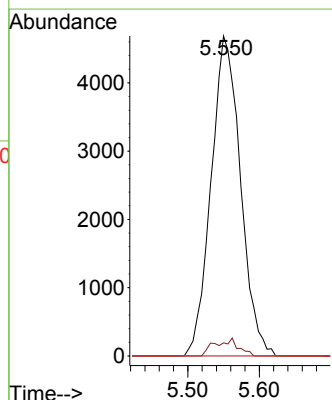
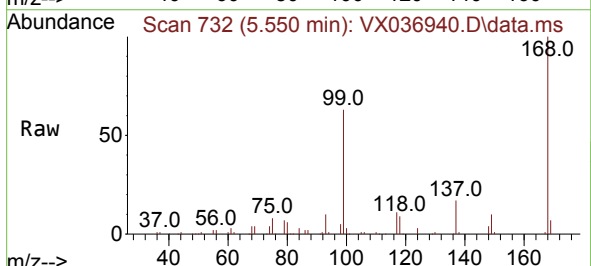
RT: 5.550 min Scan# 732

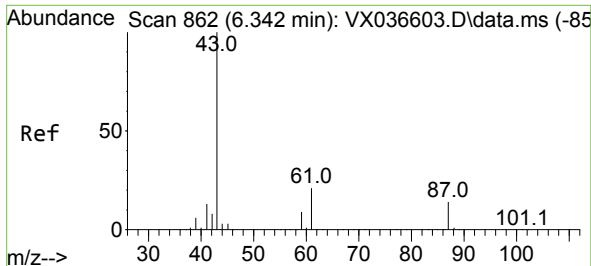
Delta R.T. -0.128 min

Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

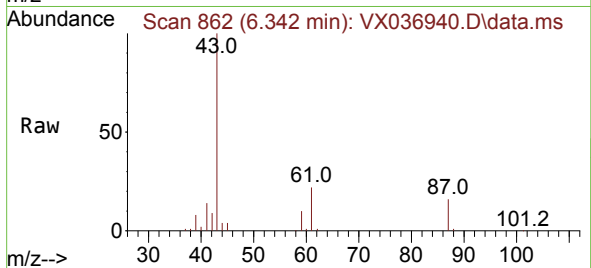
Tgt Ion:	117	Resp:	13383
Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.2	117.2#
121	0.0	24.4	36.6#



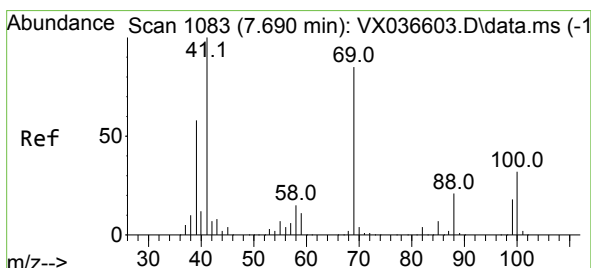
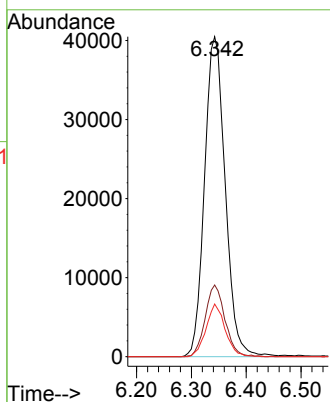
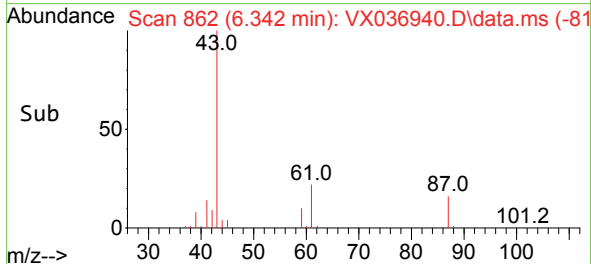


#43
Isopropyl Acetate
Concen: 23.599 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

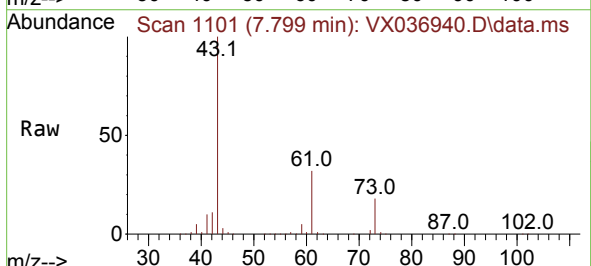
Instrument :
MSVOA_X
ClientSampleId :



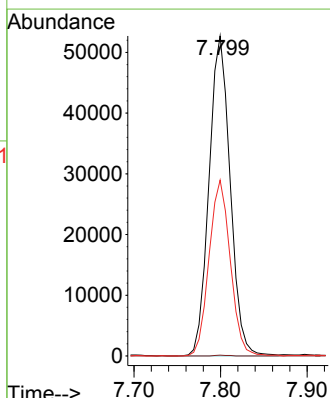
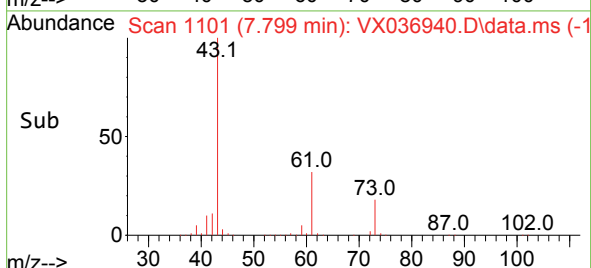
Tgt Ion: 43 Resp: 105965
Ion Ratio Lower Upper
43 100
61 21.4 15.2 22.8
87 15.2 9.8 14.6#

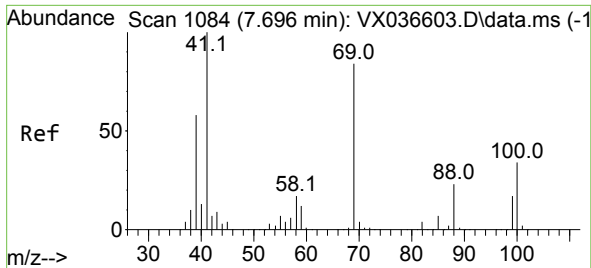


#48
Methyl methacrylate
Concen: 42.858 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51



Tgt Ion: 41 Resp: 89497
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.2 47.7 71.5

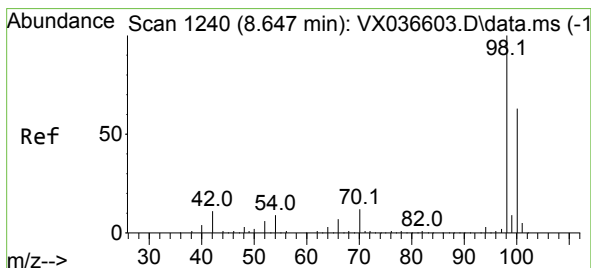
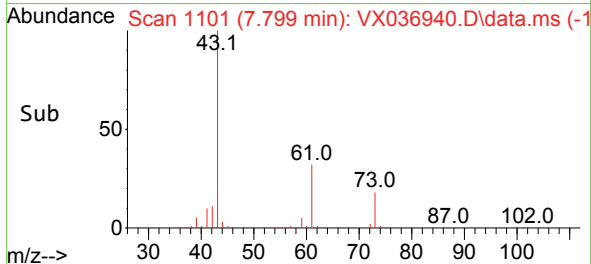
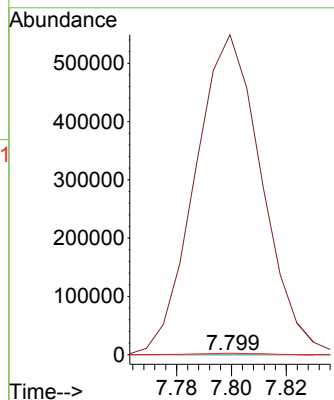
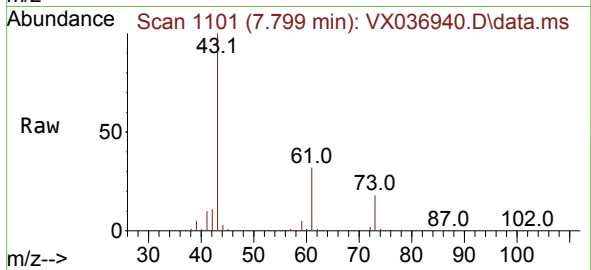




#49
1,4-Dioxane
Concen: 3.437 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

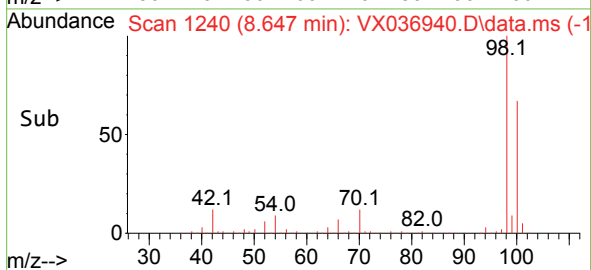
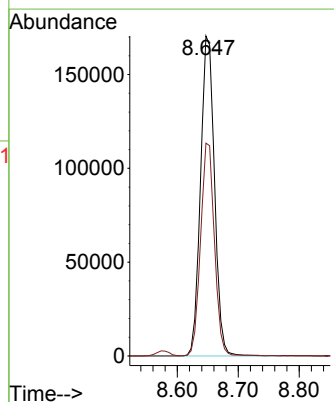
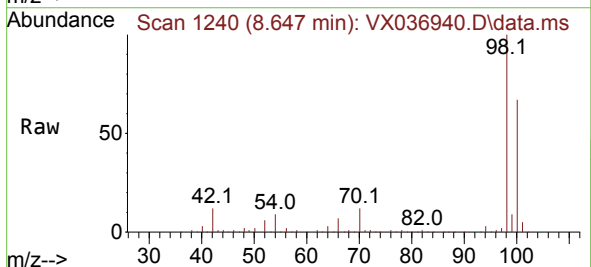
Instrument :
MSVOA_X
ClientSampleId :

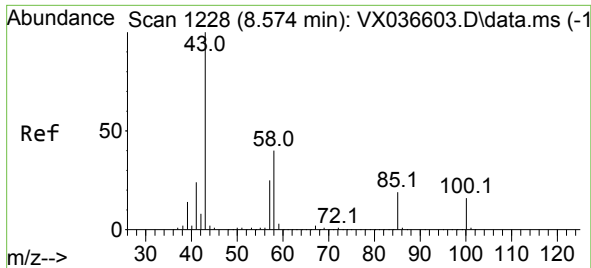
Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 648397.2 0.0 0.0#
58 2838.6 60.1 90.1#



#50
Toluene-d8
Concen: 49.600 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 98 Resp: 271977
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

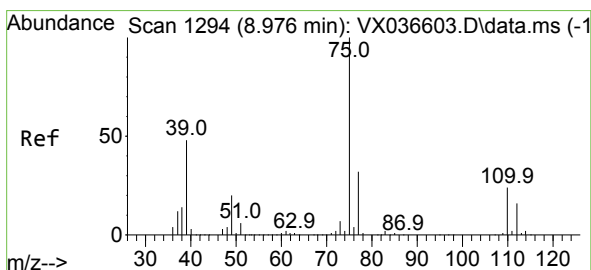
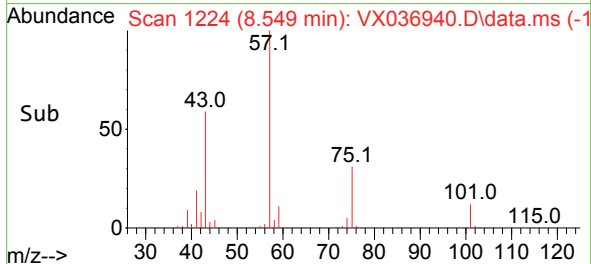
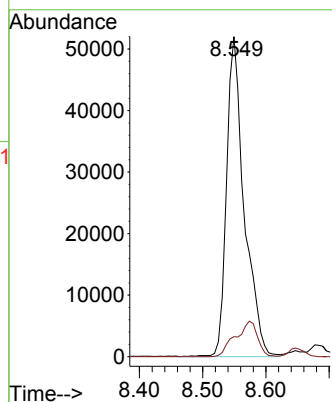
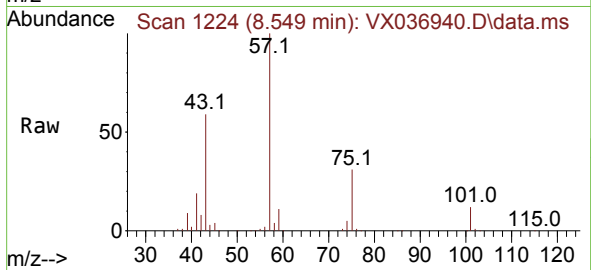




#51
4-Methyl-2-Pentanone
Concen: 40.473 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

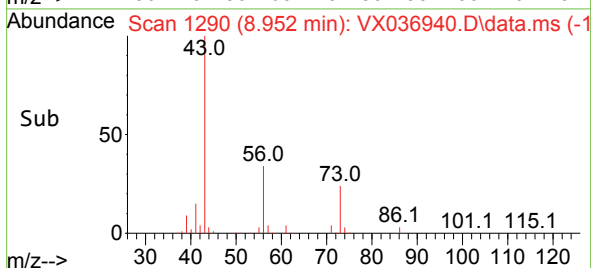
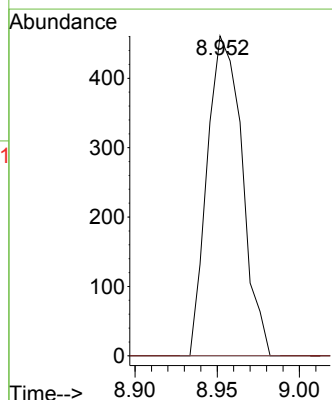
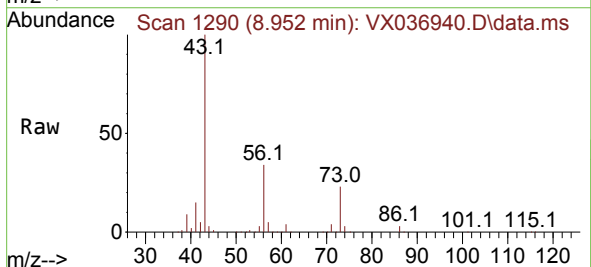
Instrument :
MSVOA_X
ClientSampleId :

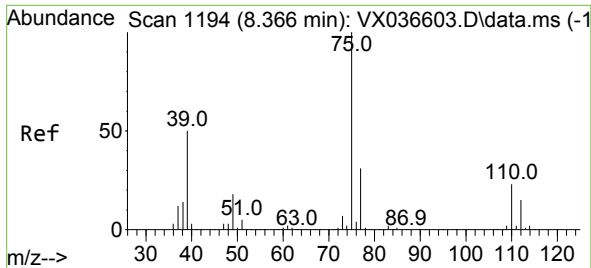
Tgt Ion: 43 Resp: 100572
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 75 Resp: 681
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

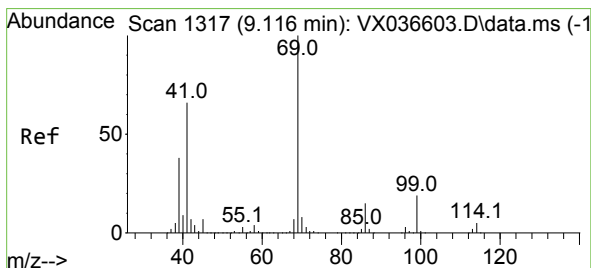
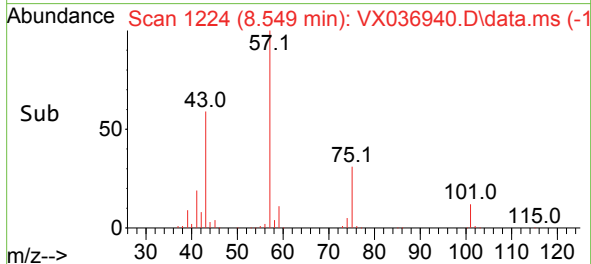
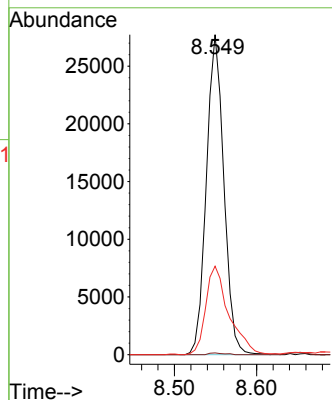
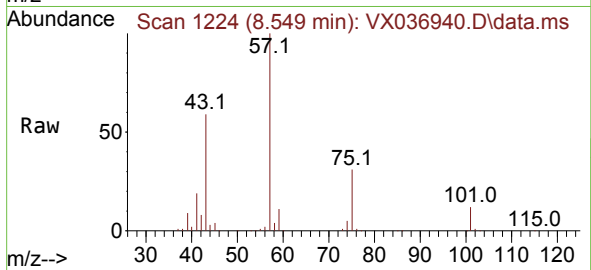




#54
 cis-1,3-Dichloropropene
 Concen: 13.341 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036940.D
 Acq: 11 Aug 2023 14:51

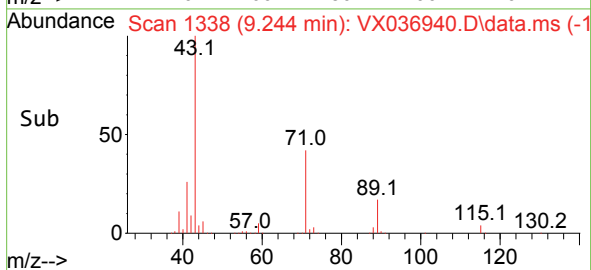
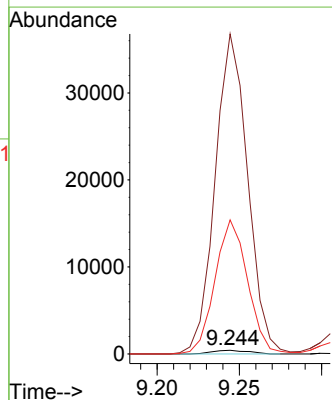
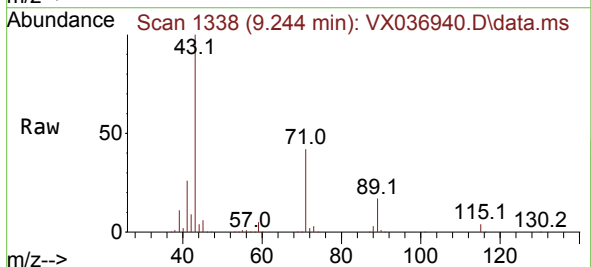
Instrument :
 MSVOA_X
 ClientSampleId :

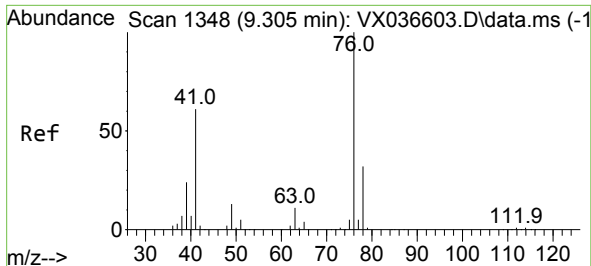
Tgt Ion: 75 Resp: 40923
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 27.6 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.225 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX036940.D
 Acq: 11 Aug 2023 14:51

Tgt Ion: 69 Resp: 646
 Ion Ratio Lower Upper
 69 100
 41 7852.5 56.8 85.2#
 39 3295.8 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.807 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

Instrument :

MSVOA_X

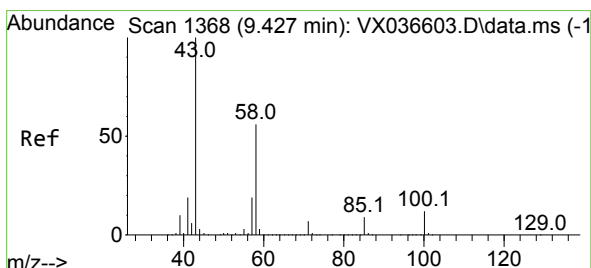
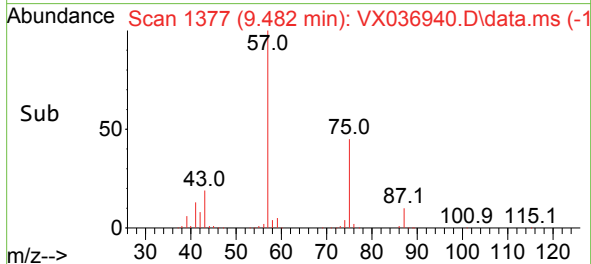
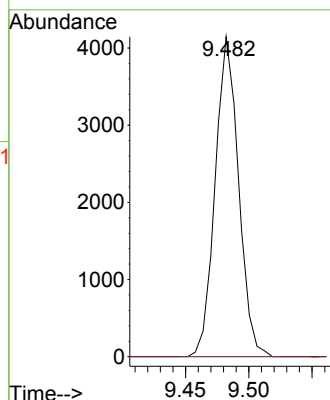
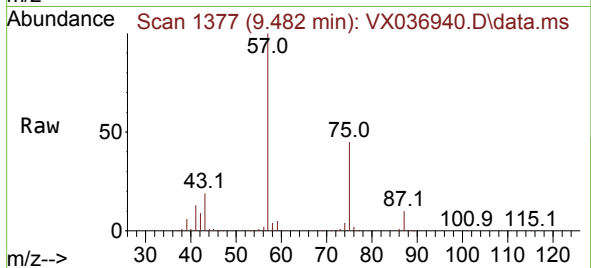
ClientSampleId :

Tgt Ion: 76 Resp: 5316

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.857 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036940.D

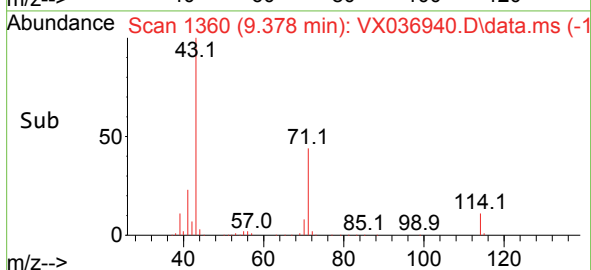
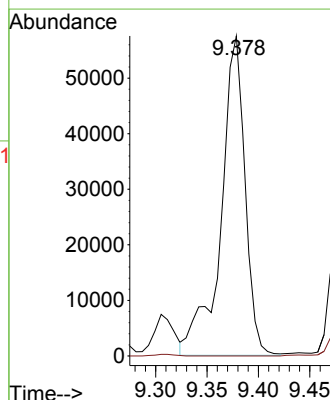
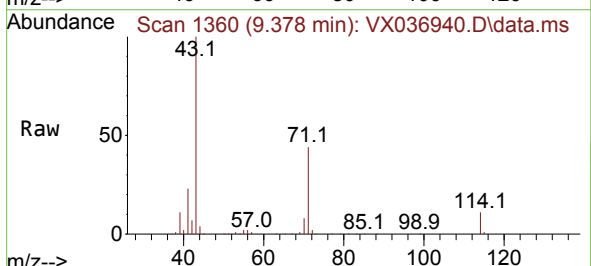
Acq: 11 Aug 2023 14:51

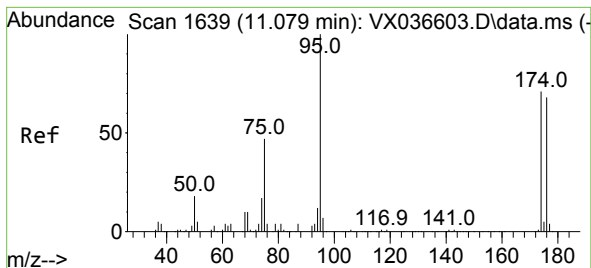
Tgt Ion: 43 Resp: 93791

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

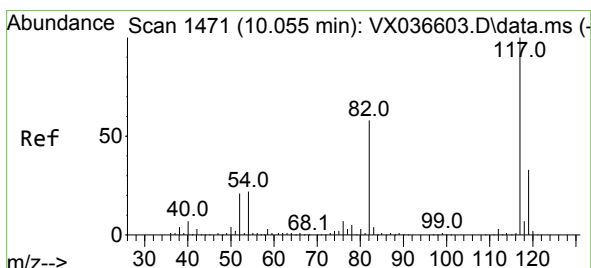
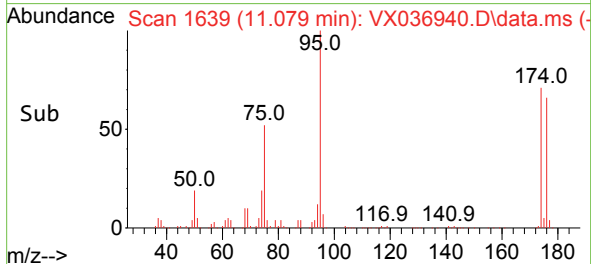
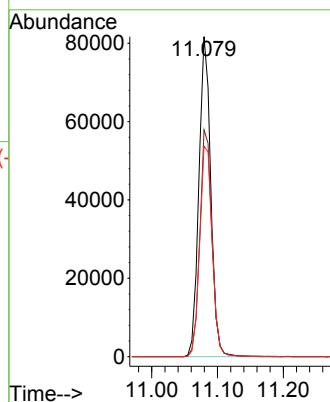
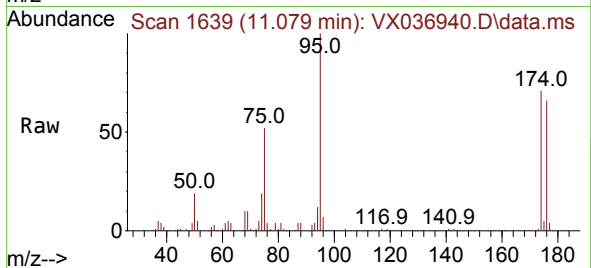




#62
4-Bromofluorobenzene
Concen: 49.414 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

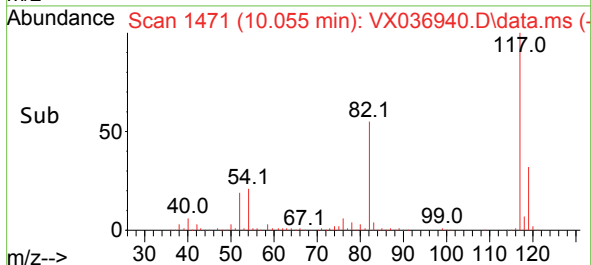
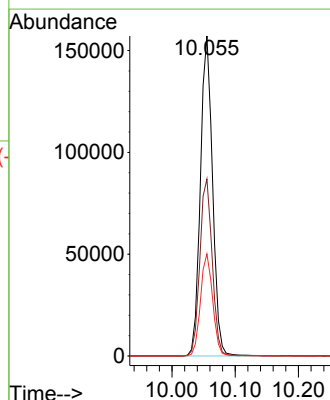
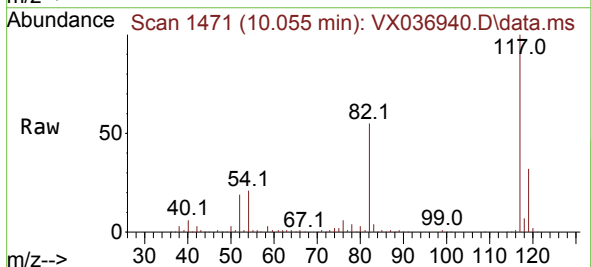
Instrument :
MSVOA_X
ClientSampleId :

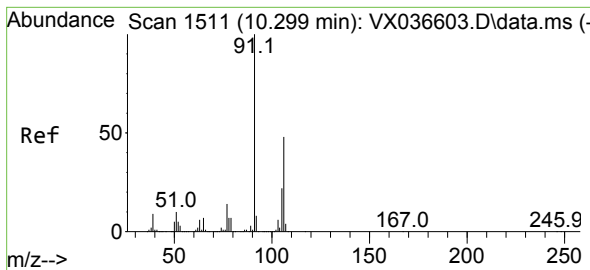
Tgt Ion: 95 Resp: 102228
Ion Ratio Lower Upper
95 100
174 72.3 0.0 135.6
176 69.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 117 Resp: 210456
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 31.9 25.5 38.3

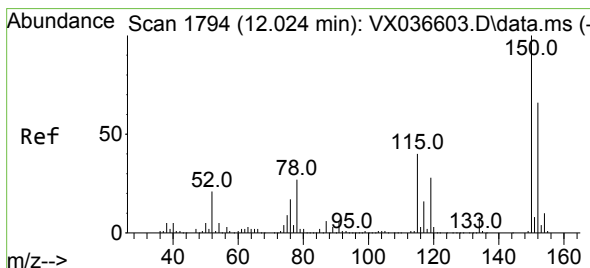
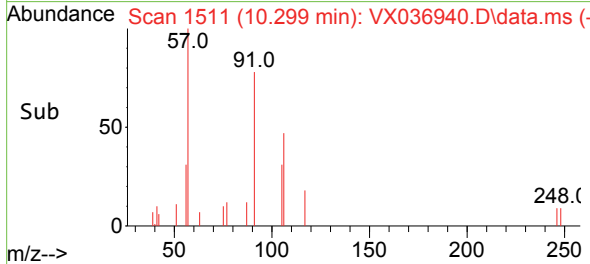
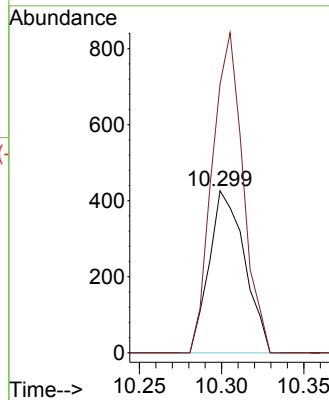
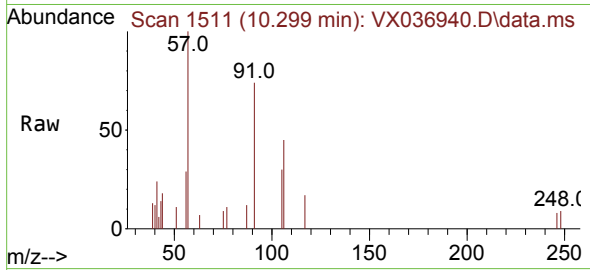




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

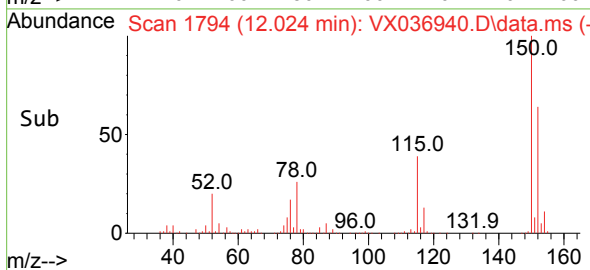
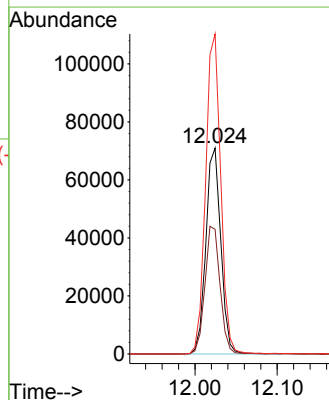
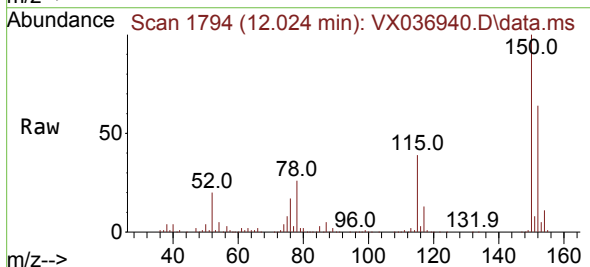
Instrument :
MSVOA_X
ClientSampleId :

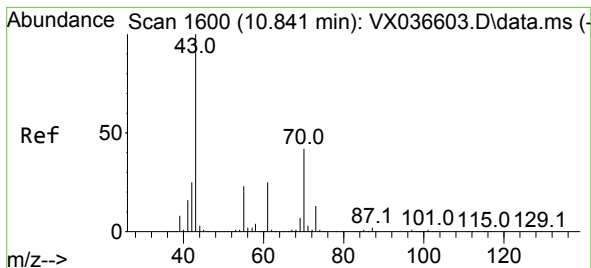
Tgt Ion:106 Resp: 636
Ion Ratio Lower Upper
106 100
91 173.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion:152 Resp: 89711
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 156.6 0.0 345.0





#74

N-amy1 acetate

Concen: 0.207 ug/l

RT: 10.896 min Scan# 1

Delta R.T. 0.055 min

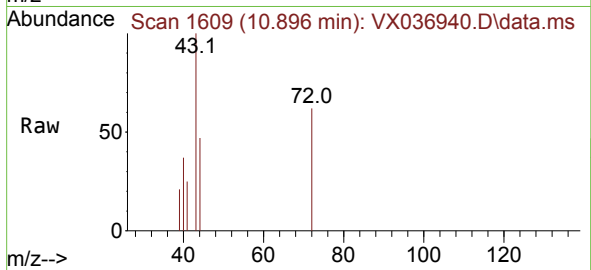
Lab File: VX036940.D

Acq: 11 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 715

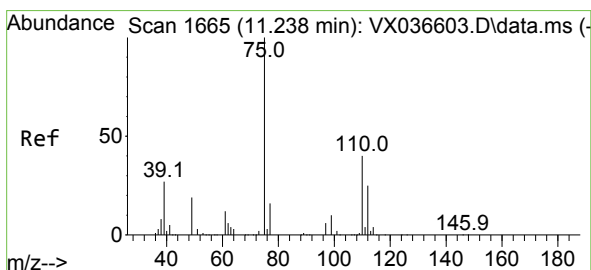
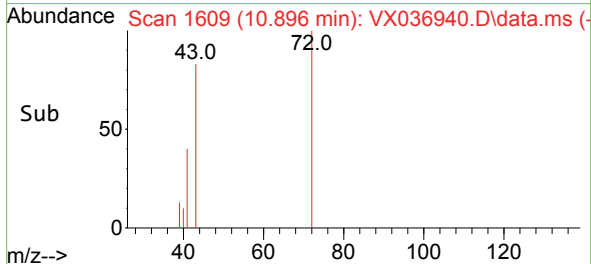
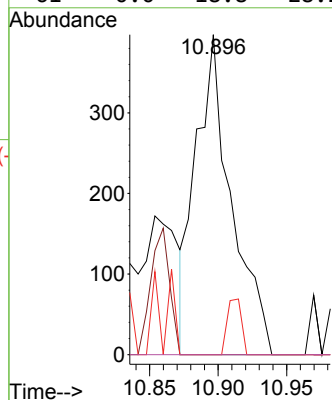
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 7.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.938 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036940.D

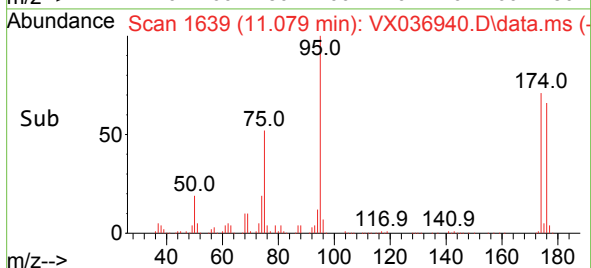
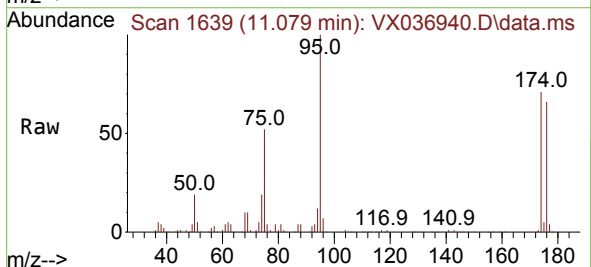
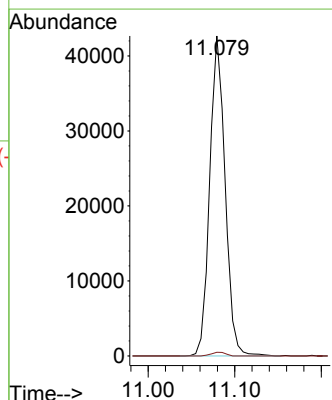
Acq: 11 Aug 2023 14:51

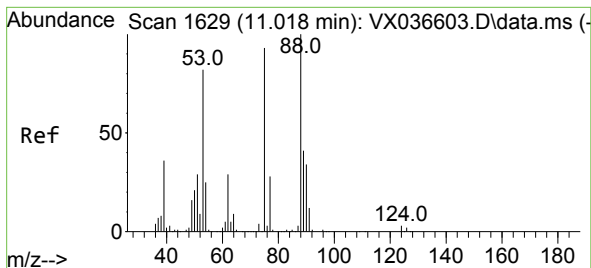
Tgt Ion: 75 Resp: 52622

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

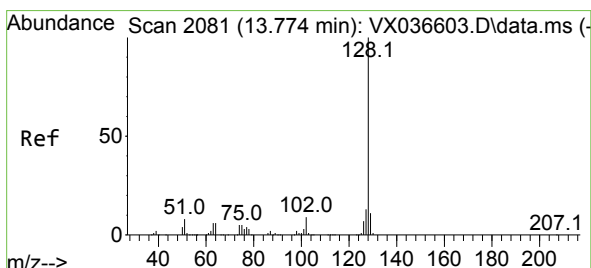
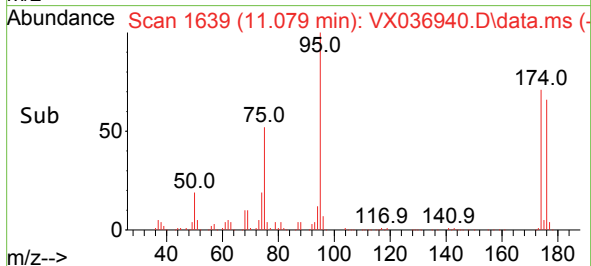
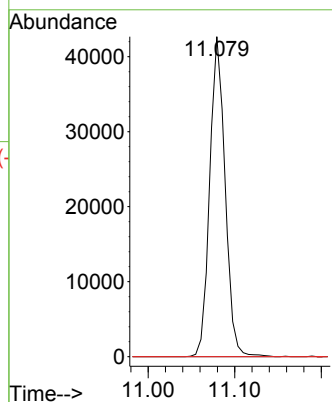
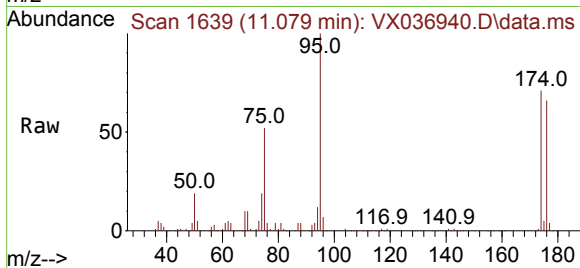




#81
trans-1,4-Dichloro-2-butene
Concen: 56.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 52622
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 24.803 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036940.D
Acq: 11 Aug 2023 14:51

Tgt Ion: 128 Resp: 160918
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.7 8.8 13.2

