

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038069.D
 Acq On : 04 Oct 2023 16:45
 Operator : JC/MD
 Sample : 04656-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 01:04:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

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

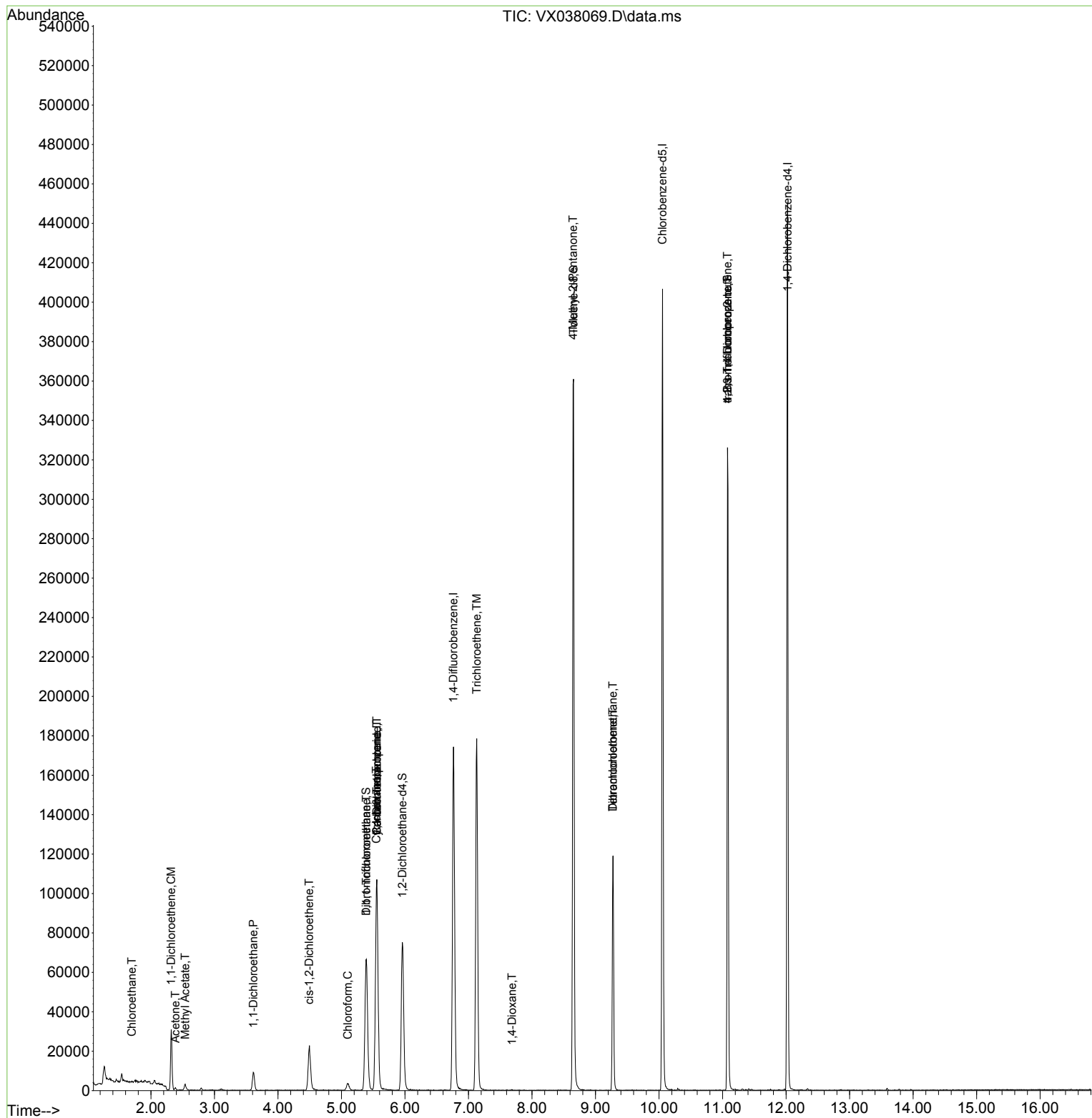
Internal Standards						
1) Pentafluorobenzene	5.556	168	97359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174495	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72659	47.964	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.920%
35) Dibromofluoromethane	5.385	113	56374	47.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.180%
50) Toluene-d8	8.653	98	222286	48.520	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.040%
62) 4-Bromofluorobenzene	11.079	95	81926	49.136	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.280%
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	277	0.320	ug/l #	65
12) 1,1-Dichloroethene	2.319	96	9628	10.445	ug/l	91
16) Acetone	2.386	43	1175	1.766	ug/l #	88
18) Methyl Acetate	2.538	43	1066	0.373	ug/l #	53
20) Methylene Chloride	2.788	84	423	Below Cal	#	68
24) 1,1-Dichloroethane	3.611	63	10071	4.860	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	13508	10.460	ug/l	82
30) Chloroform	5.099	83	4054	1.796	ug/l	99
31) Cyclohexane	5.550	56	2549	1.439	ug/l #	36
32) 1,1,1-Trichloroethane	5.391	97	1539	0.820	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	8961	5.079	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10444	6.084	ug/l #	18
44) Trichloroethene	7.129	130	65326	48.641	ug/l	99
49) 1,4-Dioxane	7.684	88	273	8.252	ug/l #	31
51) 4-Methyl-2-Pentanone	8.647	43	1012	0.475	ug/l #	1
60) Dibromochloromethane	9.275	129	20109	15.975	ug/l #	11
64) Tetrachloroethene	9.275	164	21141	18.366	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	46026	22.044	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46026	74.448	ug/l #	5

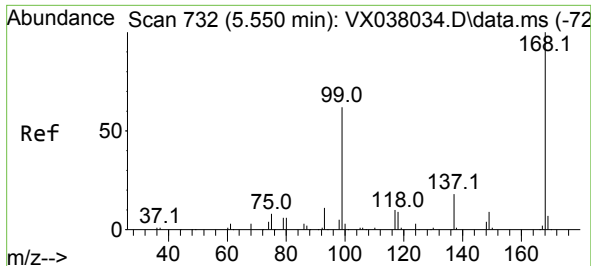
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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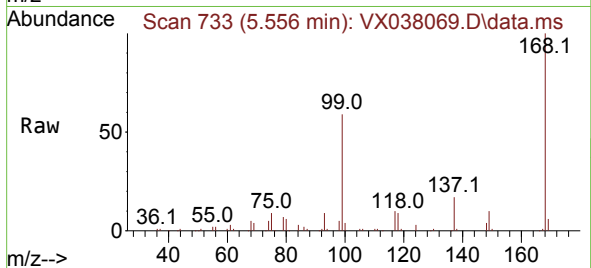
Quant Time: Oct 05 01:04:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 2023
Response via : Initial Calibration



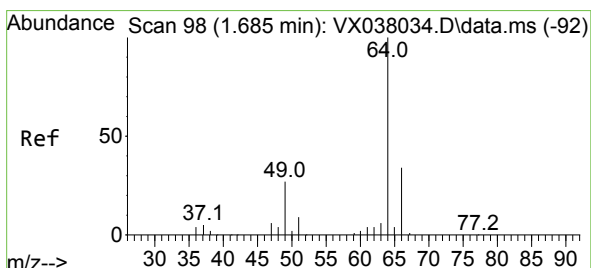
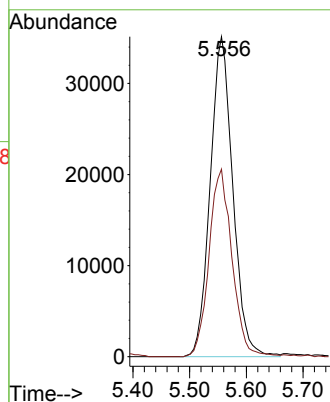
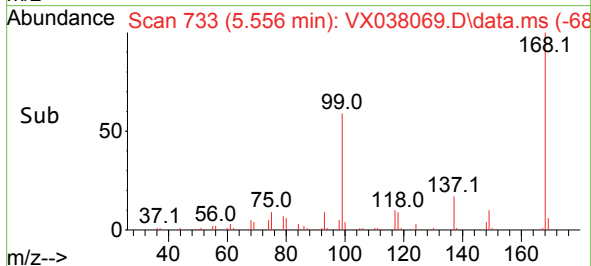


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Instrument :
MSVOA_X
ClientSampleId :

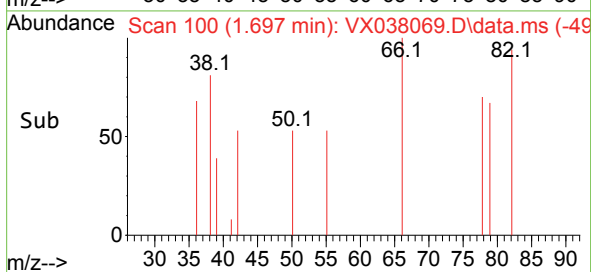
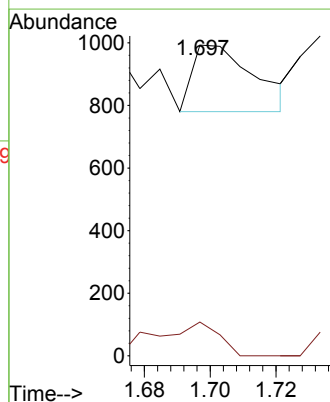
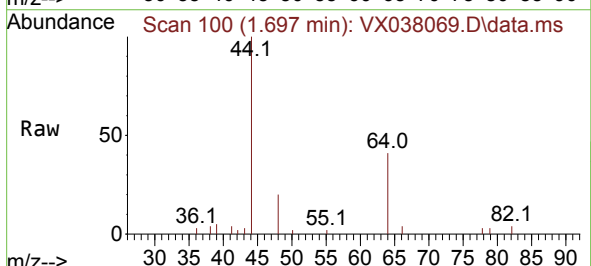


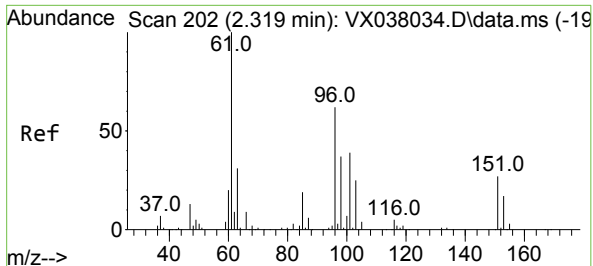
Tgt Ion:168 Resp: 97359
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#6
Chloroethane
Concen: 0.320 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 50.7 25.1 37.7#





#12

1,1-Dichloroethene

Concen: 10.445 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

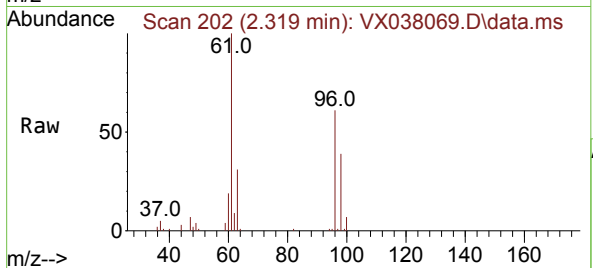
Lab File: VX038069.D

Acq: 04 Oct 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :



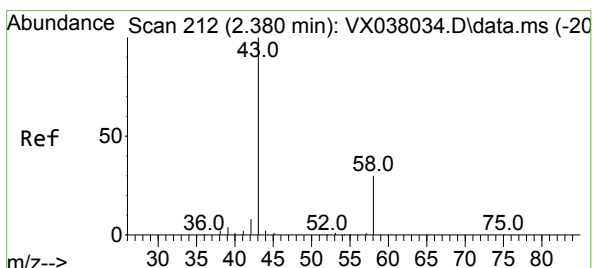
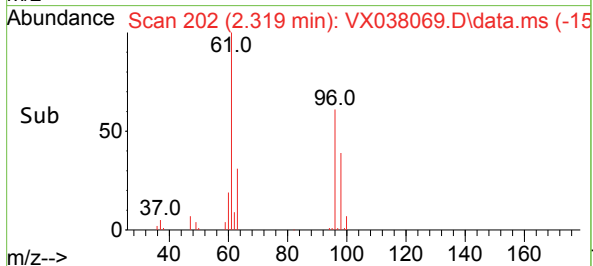
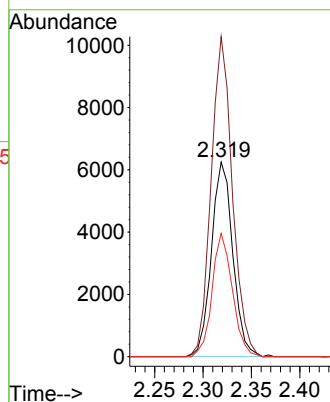
Tgt Ion: 96 Resp: 9628

Ion Ratio Lower Upper

96 100

61 164.5 144.6 216.8

98 63.4 50.4 75.6



#16

Acetone

Concen: 1.766 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX038069.D

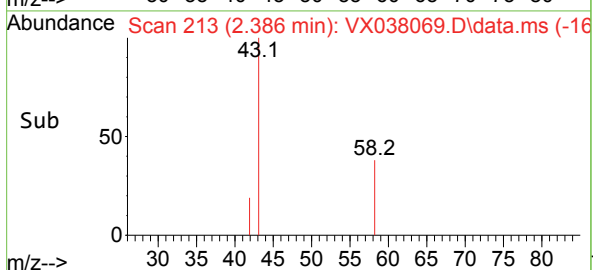
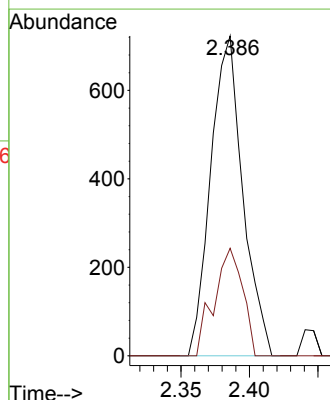
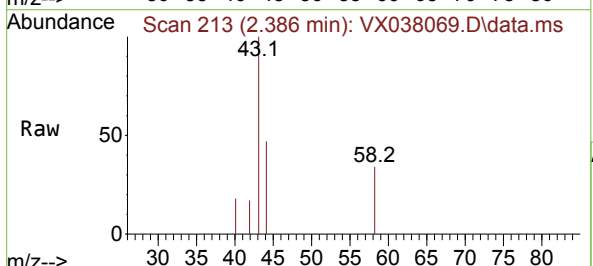
Acq: 04 Oct 2023 16:45

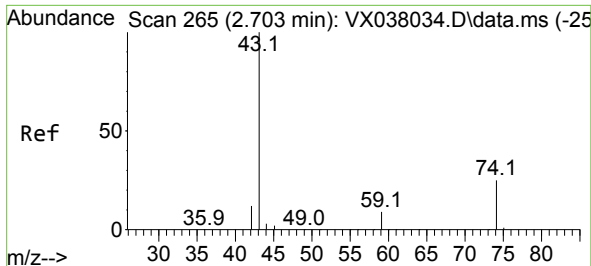
Tgt Ion: 43 Resp: 1175

Ion Ratio Lower Upper

43 100

58 33.6 21.9 32.9#





#18

Methyl Acetate

Concen: 0.373 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.165 min

Lab File: VX038069.D

Acq: 04 Oct 2023 16:45

Instrument :

MSVOA_X

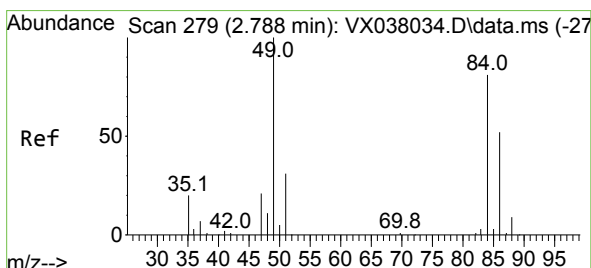
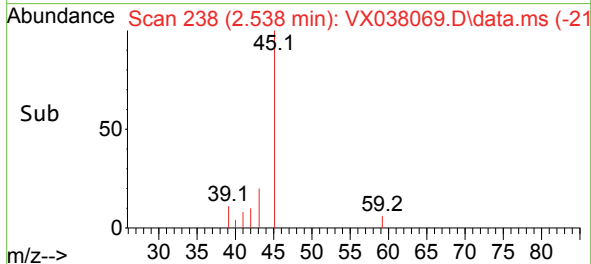
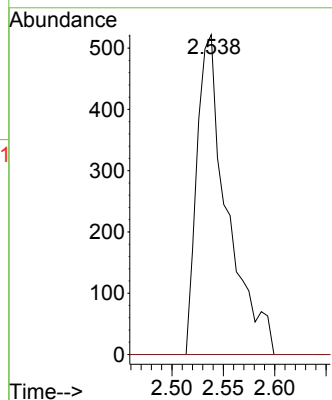
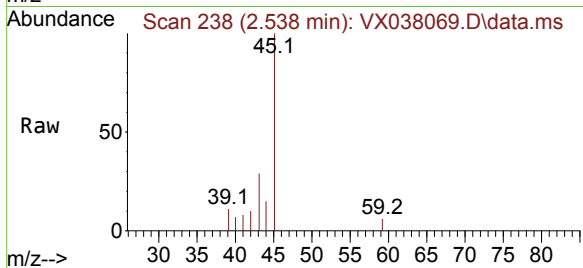
ClientSampleId :

Tgt Ion: 43 Resp: 1066

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038069.D

Acq: 04 Oct 2023 16:45

Tgt Ion: 84 Resp: 423

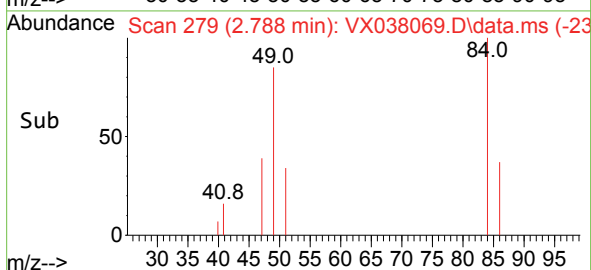
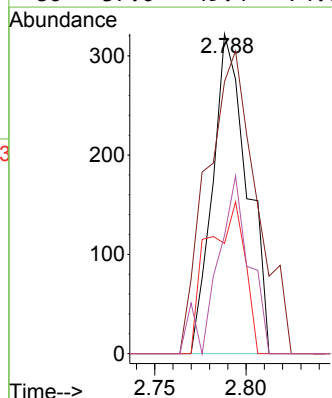
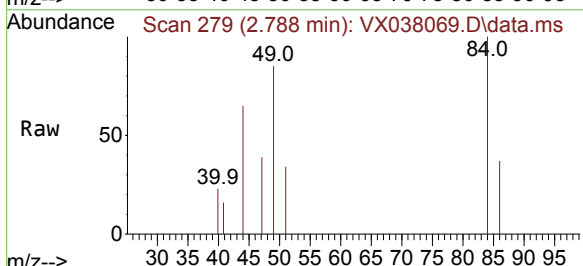
Ion Ratio Lower Upper

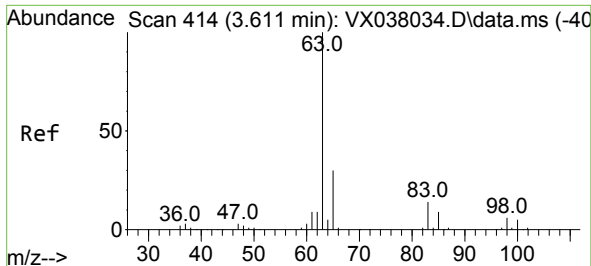
84 100

49 85.1 103.6 155.4#

51 34.5 33.8 50.6

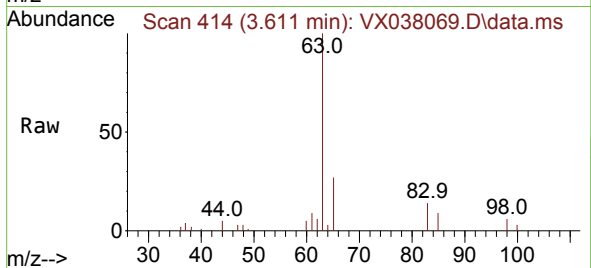
86 37.0 49.4 74.0#



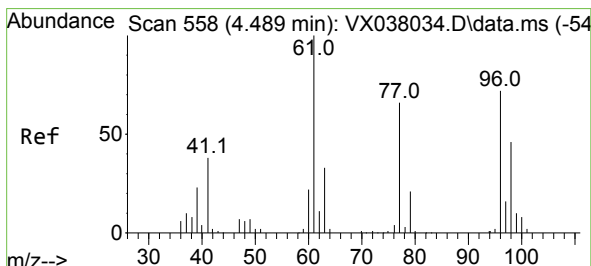
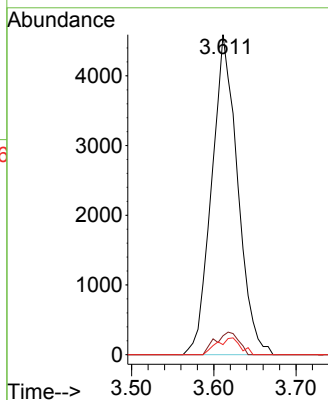
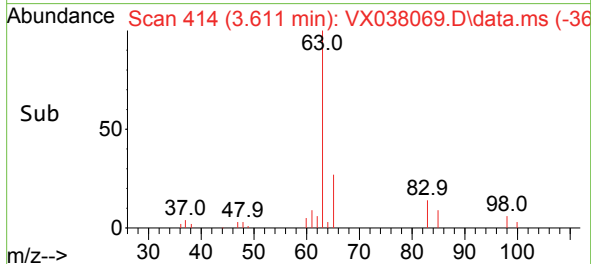


#24
 1,1-Dichloroethane
 Concen: 4.860 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX038069.D
 Acq: 04 Oct 2023 16:45

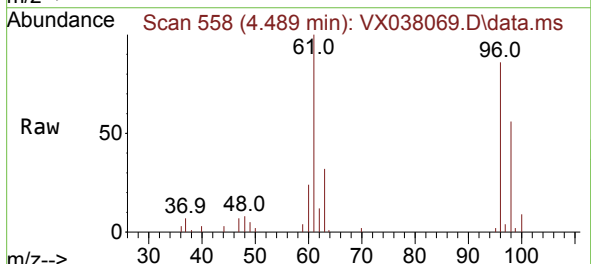
Instrument :
 MSVOA_X
 ClientSampleId :



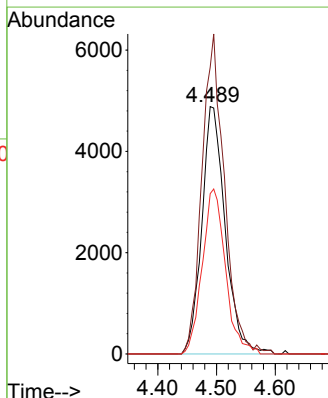
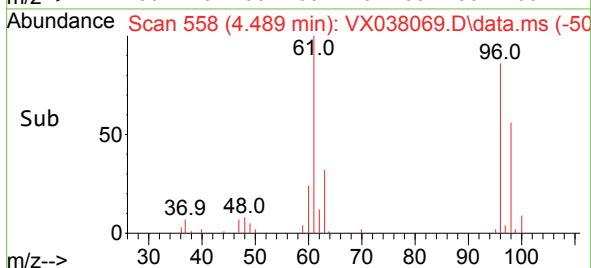
Tgt Ion: 63 Resp: 10071
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.8
 100 3.1 2.1 6.5

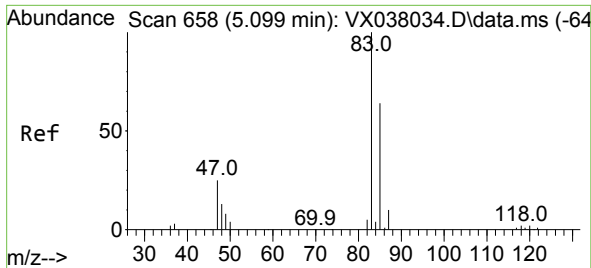


#27
 cis-1,2-Dichloroethene
 Concen: 10.460 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX038069.D
 Acq: 04 Oct 2023 16:45



Tgt Ion: 96 Resp: 13508
 Ion Ratio Lower Upper
 96 100
 61 124.3 0.0 312.2
 98 66.2 0.0 129.0

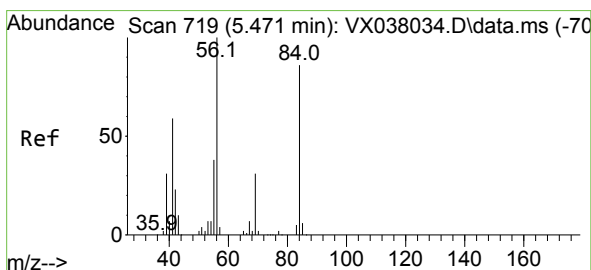
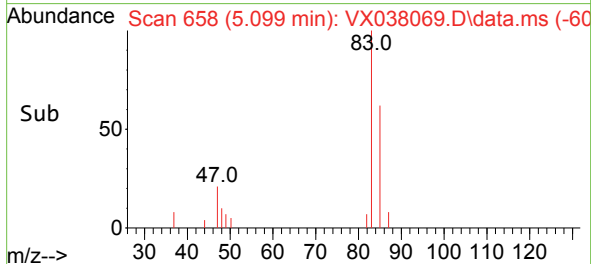
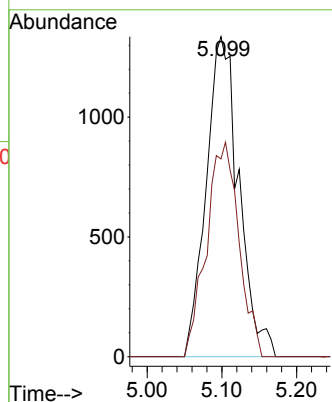
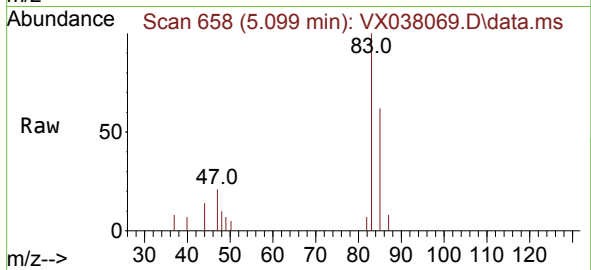




#30
Chloroform
Concen: 1.796 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

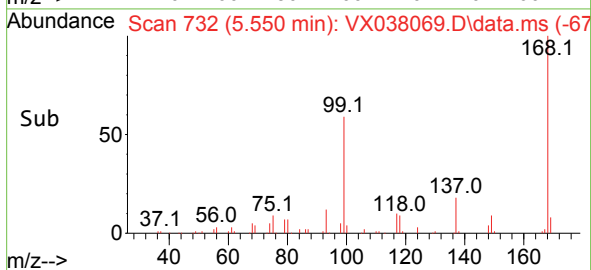
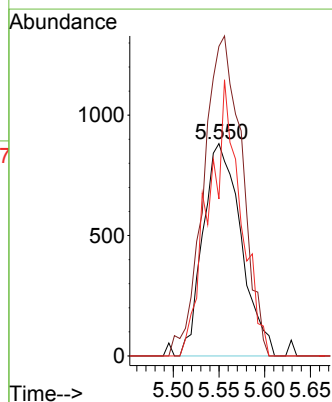
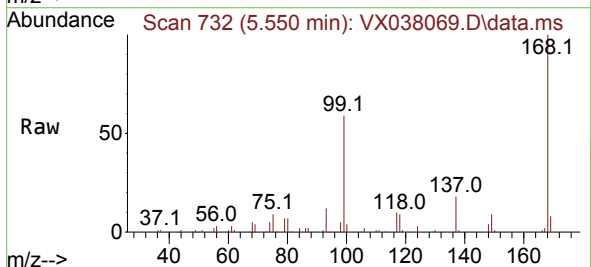
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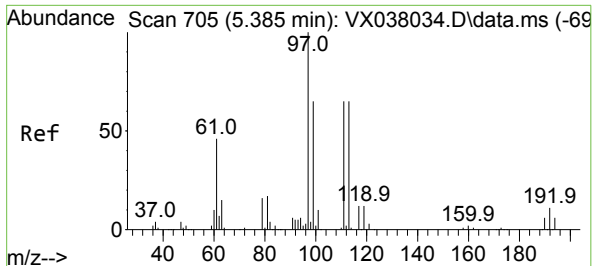
Tgt Ion: 83 Resp: 4054
Ion Ratio Lower Upper
83 100
85 61.8 50.3 75.5



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 56 Resp: 2549
Ion Ratio Lower Upper
56 100
69 145.8 23.4 35.2#
84 73.9 65.9 98.9

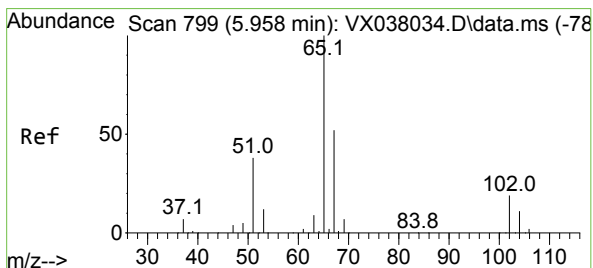
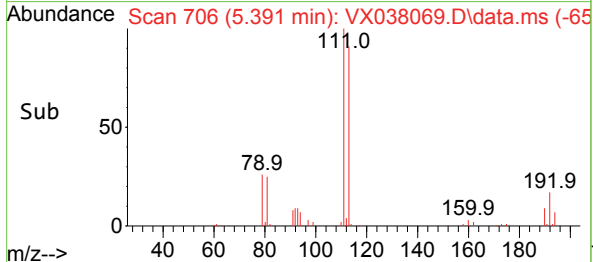
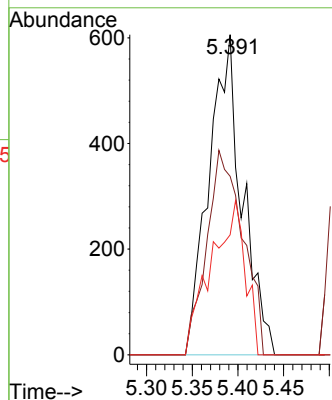
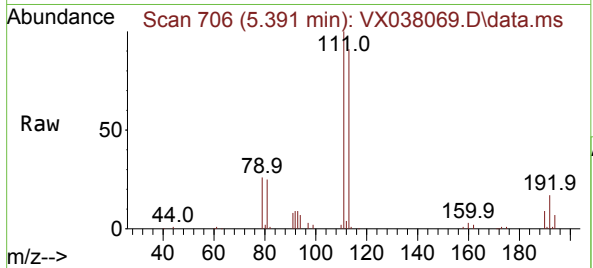




#32
1,1,1-Trichloroethane
Concen: 0.820 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

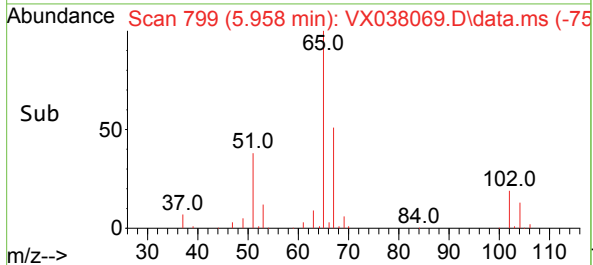
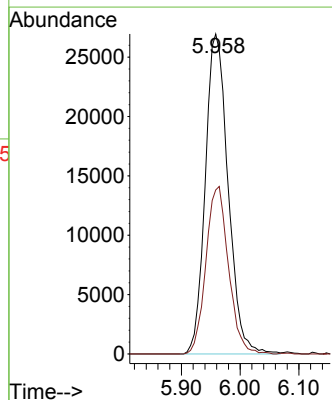
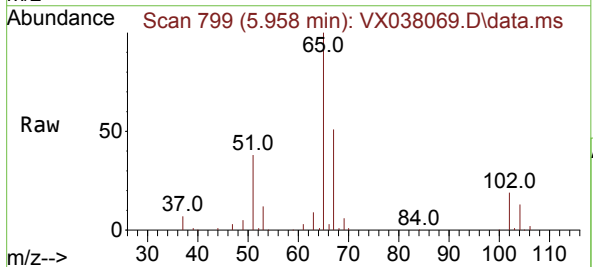
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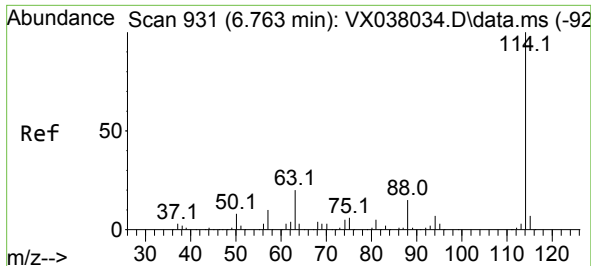
Tgt Ion: 97 Resp: 1539
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 49.1 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 47.964 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 65 Resp: 72659
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

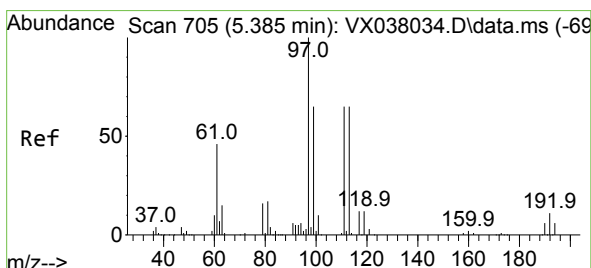
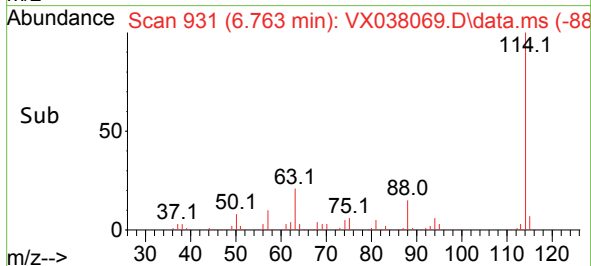
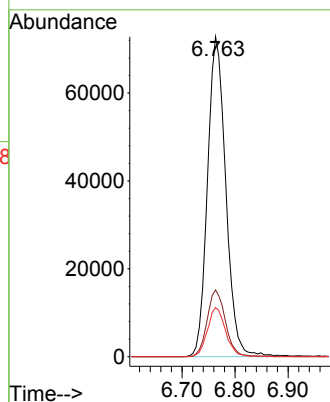
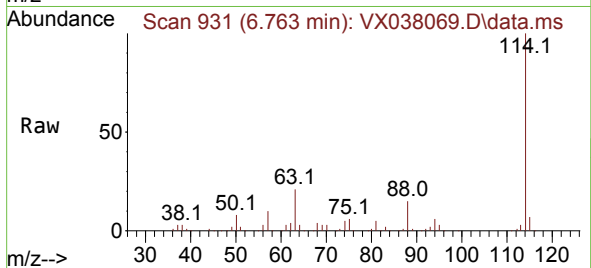




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

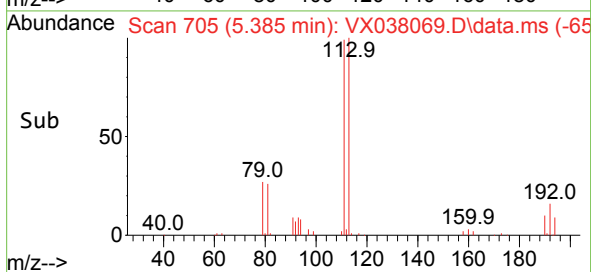
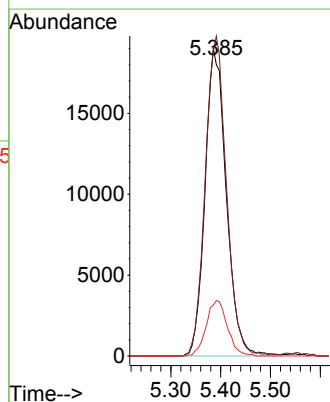
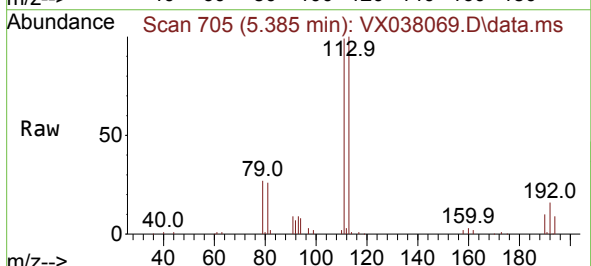
Instrument :
MSVOA_X
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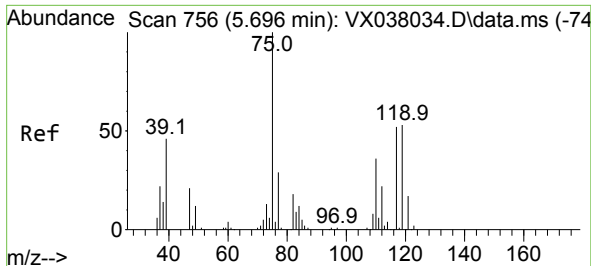
Tgt Ion:114 Resp: 174495
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.092 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion:113 Resp: 56374
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 17.9 13.3 19.9

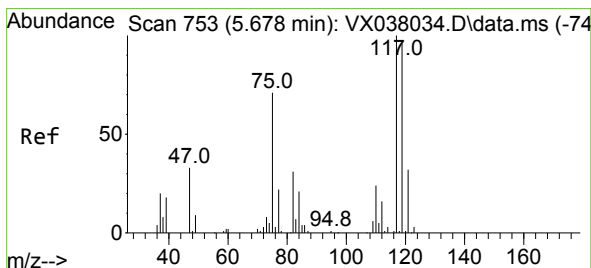
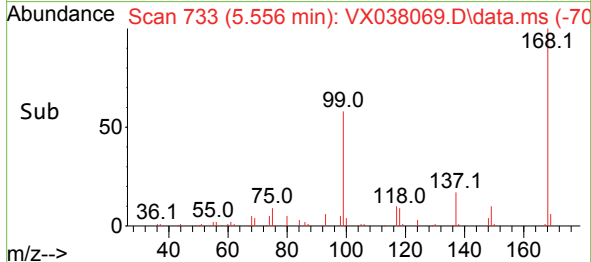
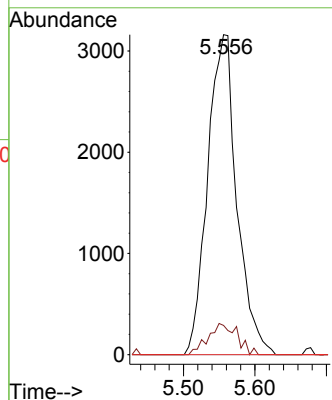
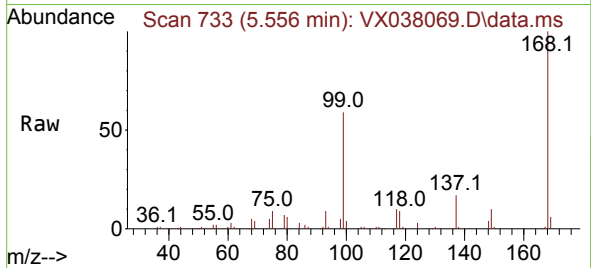




#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

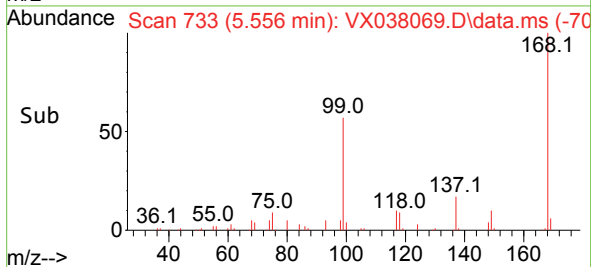
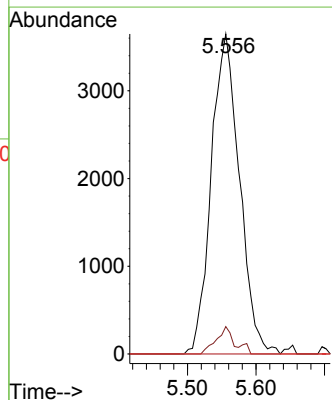
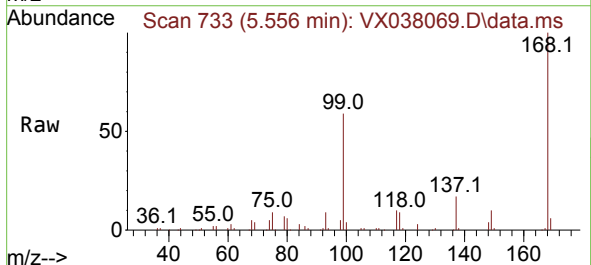
Instrument :
MSVOA_X
ClientSampleId :

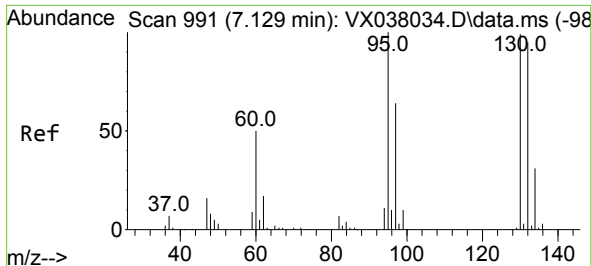
Tgt Ion: 75 Resp: 8961
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 117 Resp: 10444
Ion Ratio Lower Upper
117 100
119 8.6 78.2 117.2#
121 0.0 24.4 36.6#

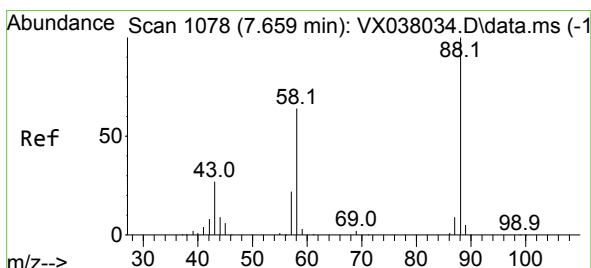
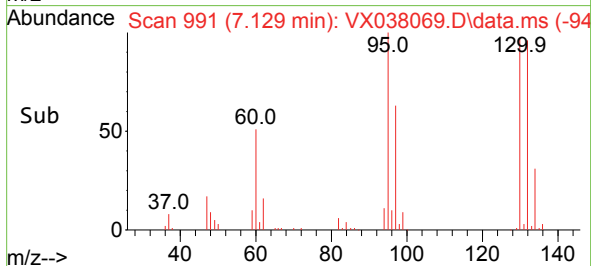
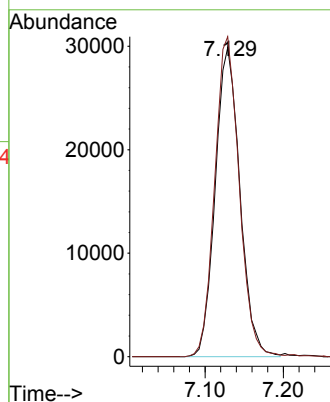
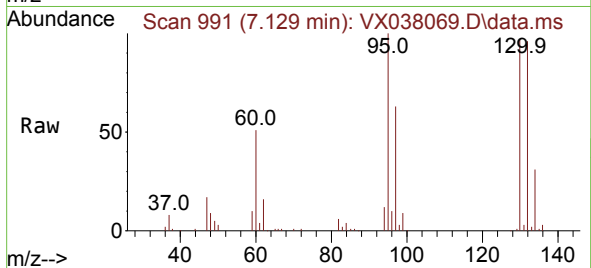




#44
Trichloroethene
Concen: 48.641 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

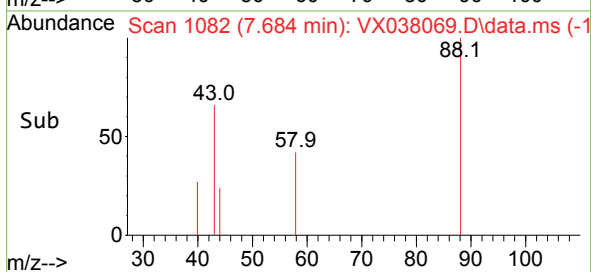
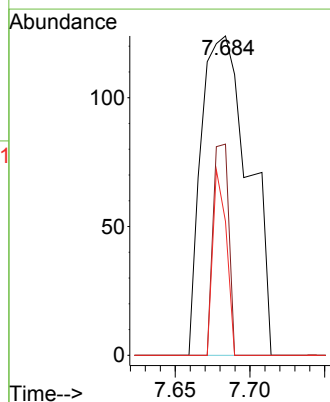
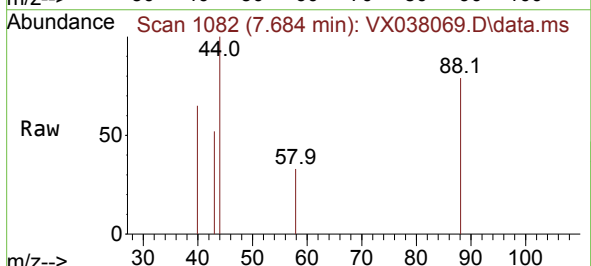
Instrument :
MSVOA_X
ClientSampleId :

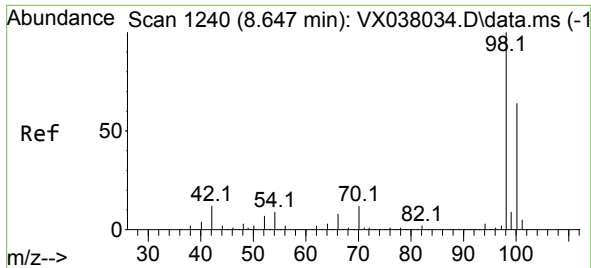
Tgt Ion:130 Resp: 65326
Ion Ratio Lower Upper
130 100
95 103.5 0.0 204.4



#49
1,4-Dioxane
Concen: 8.252 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 22.0 0.0 0.0#
58 16.5 60.1 90.1#

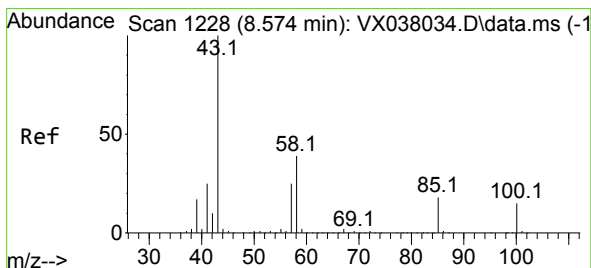
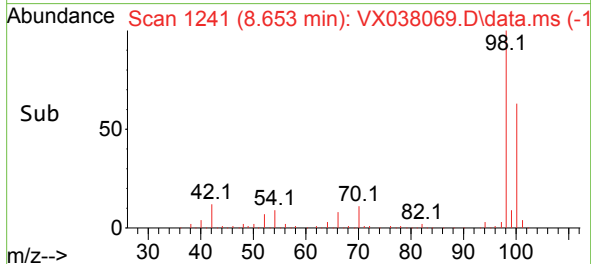
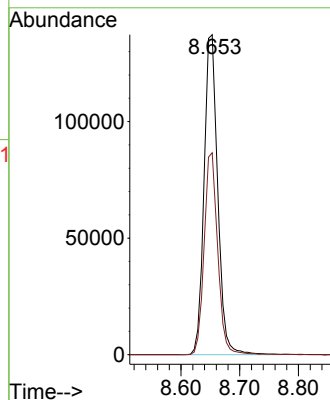
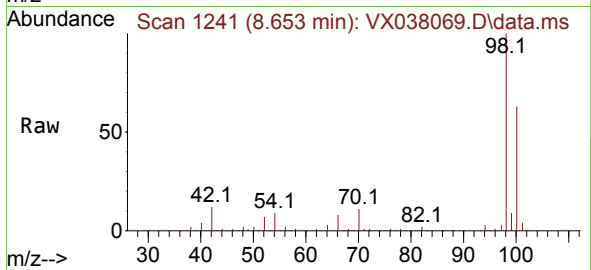




#50
Toluene-d8
Concen: 48.520 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

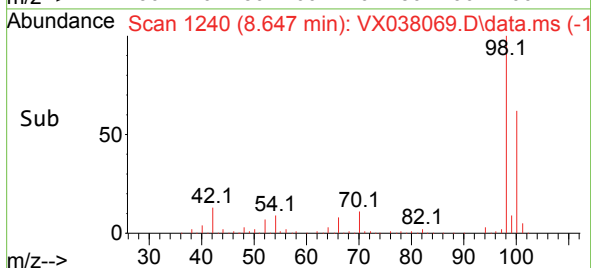
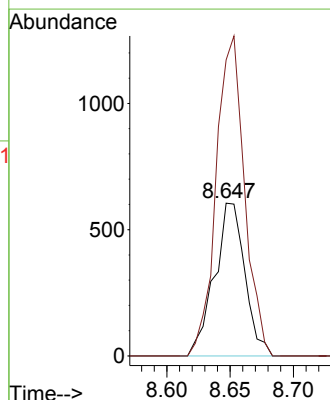
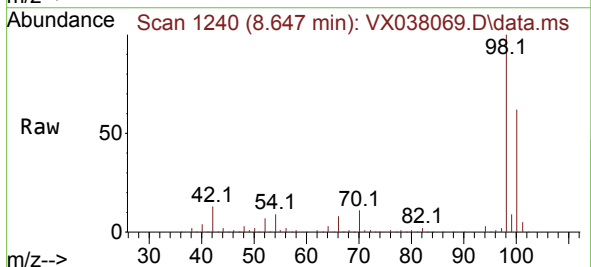
Instrument :
MSVOA_X
ClientSampleId :

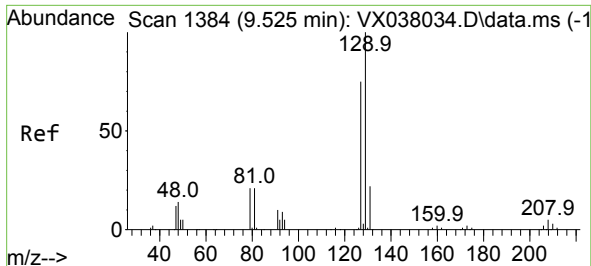
Tgt Ion: 98 Resp: 222286
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.475 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 195.0 30.4 45.6#

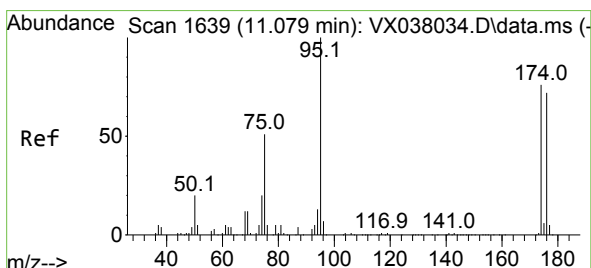
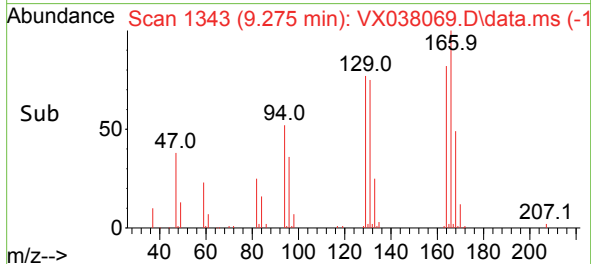
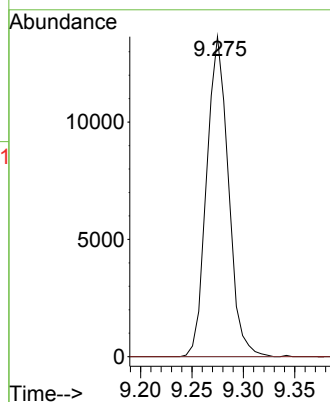
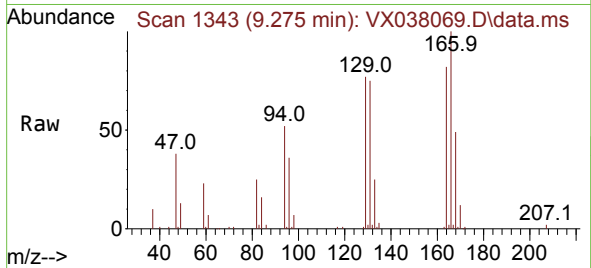




#60
Dibromochloromethane
Concen: 15.975 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

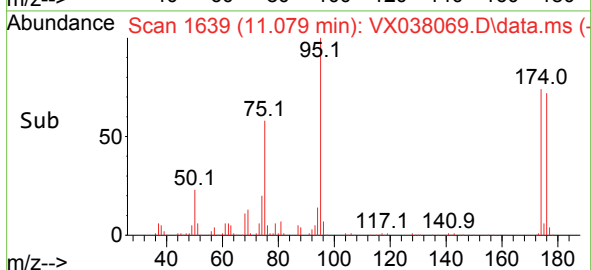
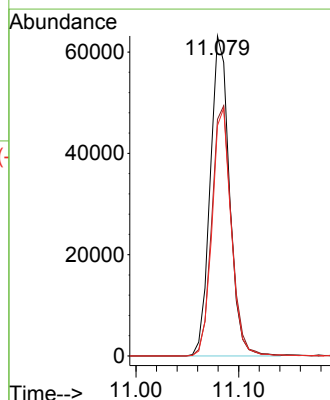
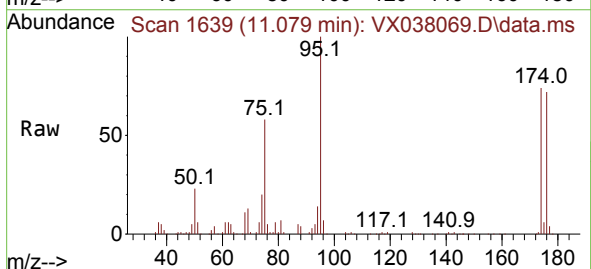
Instrument :
MSVOA_X
ClientSampleId :

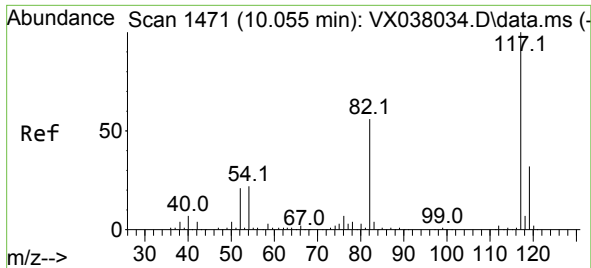
Tgt Ion:129 Resp: 20109
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

Tgt Ion: 95 Resp: 81926
Ion Ratio Lower Upper
95 100
174 80.2 0.0 135.6
176 76.9 0.0 131.0

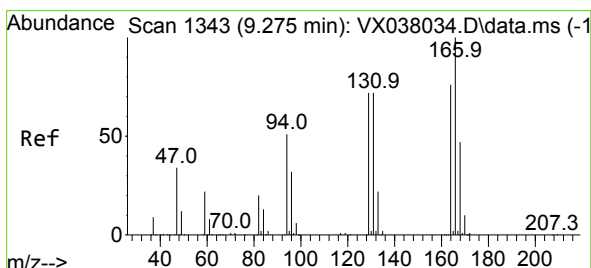
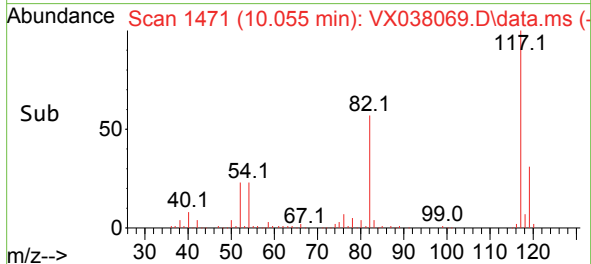
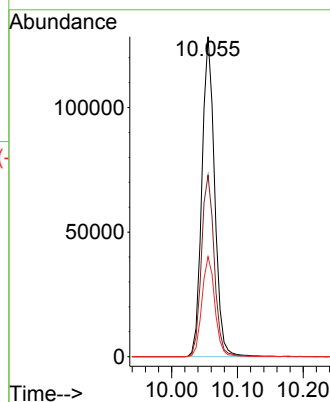
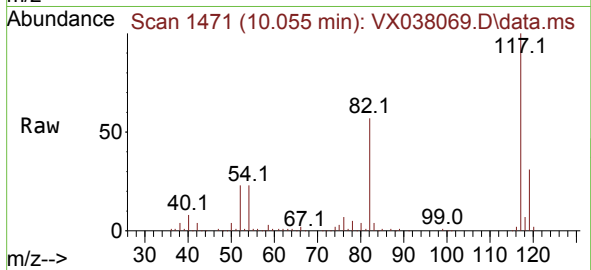




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

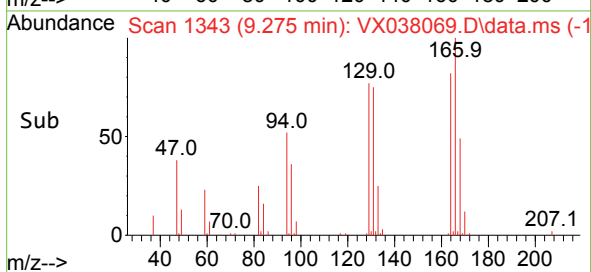
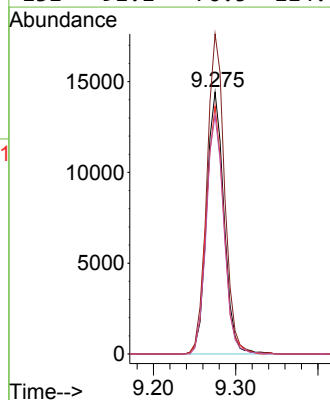
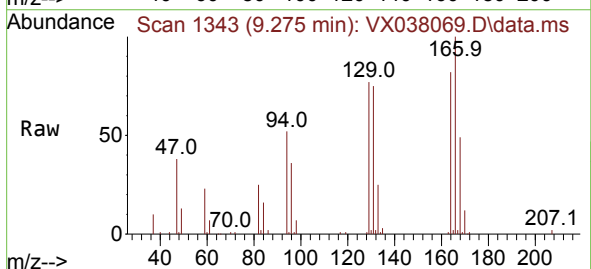
Instrument :
MSVOA_X
ClientSampleId :

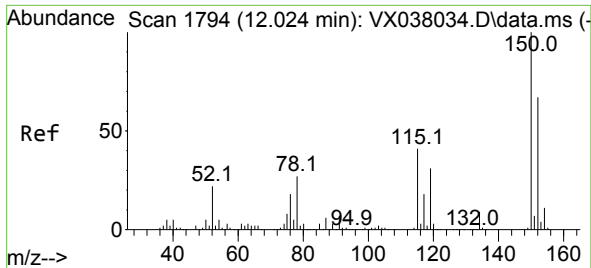
Tgt Ion:117 Resp: 173006
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 18.366 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038069.D
Acq: 04 Oct 2023 16:45

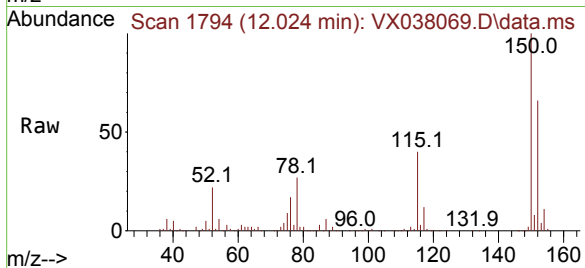
Tgt Ion:164 Resp: 21141
Ion Ratio Lower Upper
164 100
166 122.2 102.7 154.1
129 94.6 80.4 120.6
131 91.1 76.5 114.7



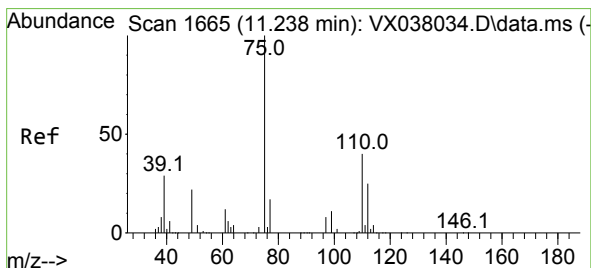
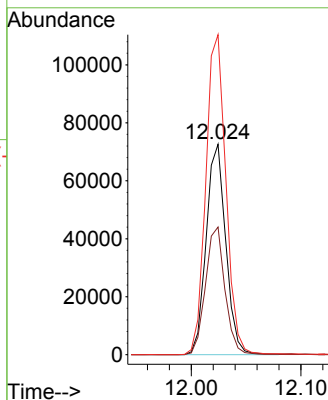
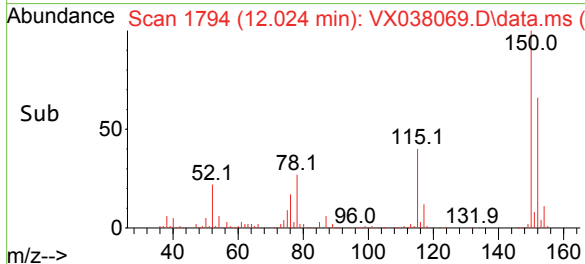


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038069.D
 Acq: 04 Oct 2023 16:45

Instrument :
 MSVOA_X
 ClientSampleId :

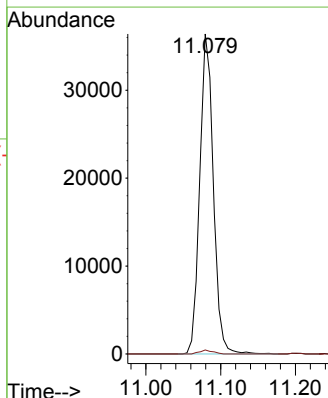
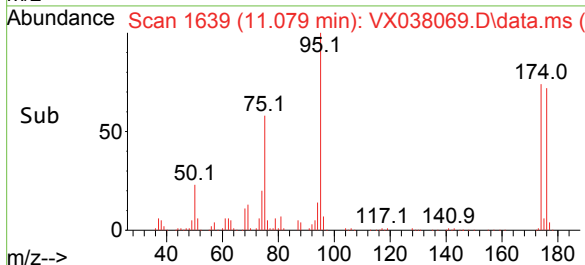
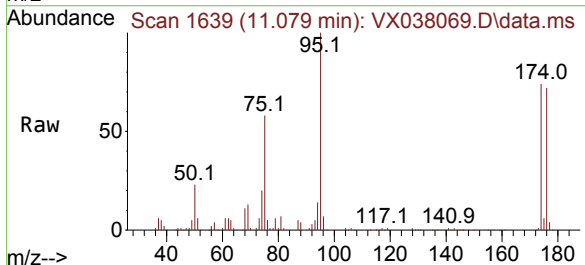


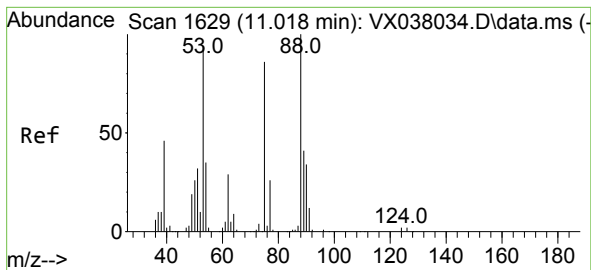
Tgt Ion:152 Resp: 90132
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.3 129.9
 150 155.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.044 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038069.D
 Acq: 04 Oct 2023 16:45

Tgt Ion: 75 Resp: 46026
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.448 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038069.D
 Acq: 04 Oct 2023 16:45

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 46026
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

