

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037252.D
 Acq On : 25 Aug 2023 06:48
 Operator : JC/MD
 Sample : 04095-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 25 07:47:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

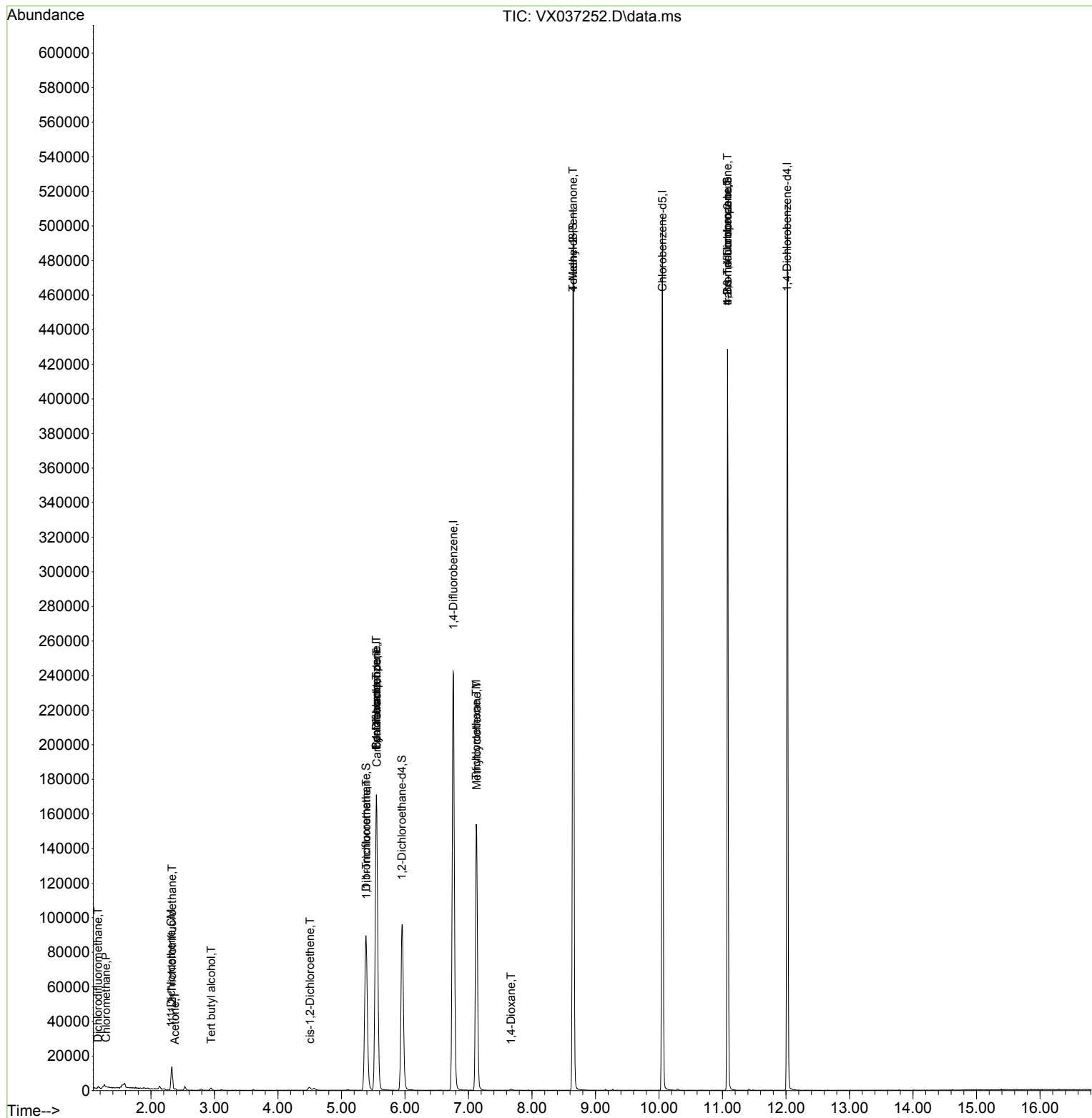
Internal Standards						
1) Pentafluorobenzene	5.550	168	156367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258782	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97540	43.268	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.540%
35) Dibromofluoromethane	5.385	113	79289	46.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.520%
50) Toluene-d8	8.647	98	302515	48.661	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.320%
62) 4-Bromofluorobenzene	11.079	95	114212	46.749	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	681	0.375	ug/l	94
3) Chloromethane	1.295	50	428	0.269	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	5009	3.030	ug/l	96
11) Tert butyl alcohol	2.947	59	832	1.573	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	867	0.539	ug/l #	70
16) Acetone	2.380	43	881	0.999	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	1398	0.648	ug/l	72
31) Cyclohexane	5.550	56	3307	1.305	ug/l #	4
32) 1,1,1-Trichloroethane	5.391	97	895	0.278	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	12411	5.097	ug/l #	51
38) Carbon Tetrachloride	5.556	117	17335	6.554	ug/l #	15
39) Methylcyclohexane	7.129	83	763	0.298	ug/l #	1
44) Trichloroethene	7.123	130	61461	31.038	ug/l	94
49) 1,4-Dioxane	7.671	88	696	13.420	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	1165	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	57152	24.802	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57152	69.274	ug/l #	5

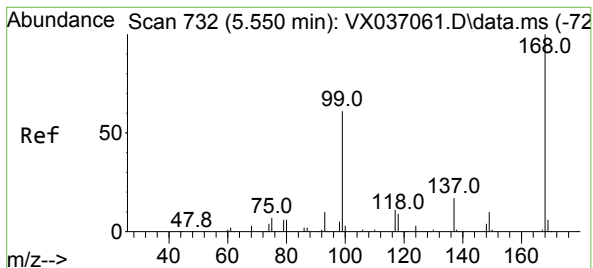
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

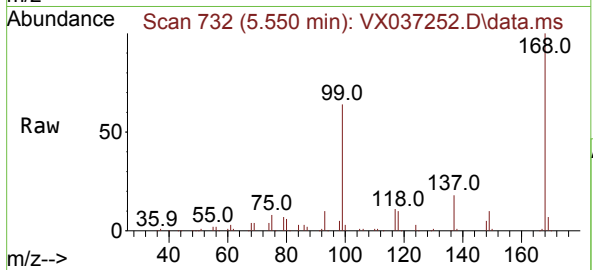
Lab File: VX037252.D

Acq: 25 Aug 2023 06:48

Instrument :

MSVOA_X

ClientSampleId :

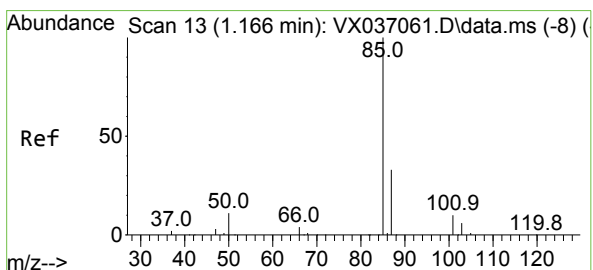
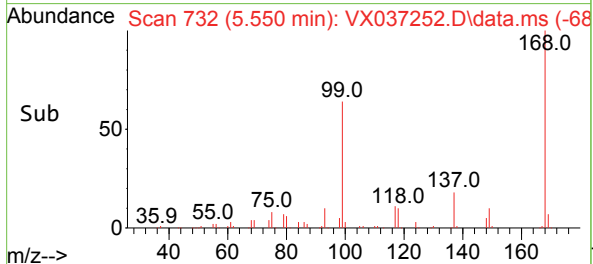
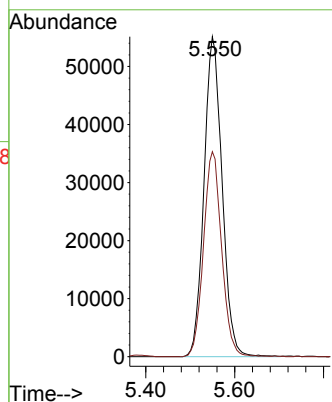


Tgt Ion:168 Resp: 156367

Ion Ratio Lower Upper

168 100

99 64.0 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.375 ug/l

RT: 1.167 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX037252.D

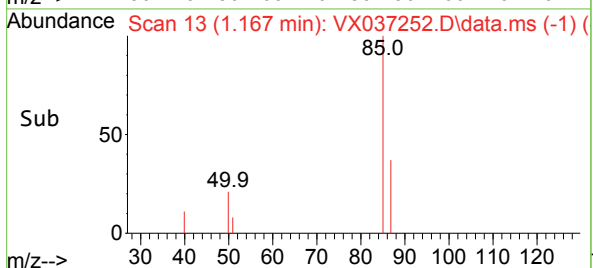
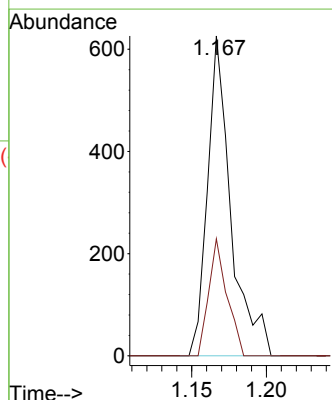
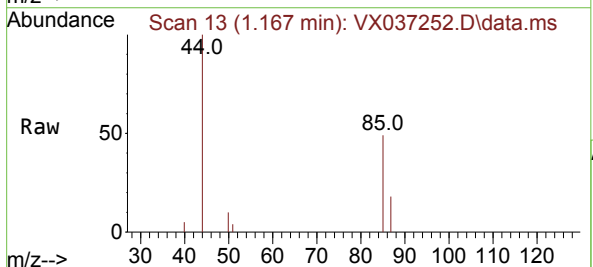
Acq: 25 Aug 2023 06:48

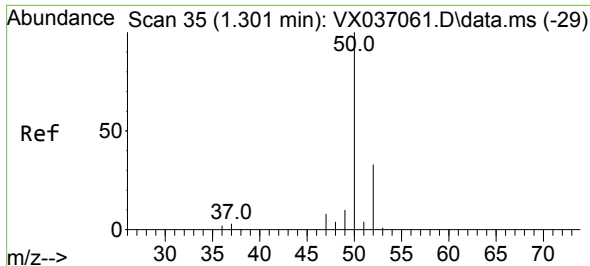
Tgt Ion: 85 Resp: 681

Ion Ratio Lower Upper

85 100

87 36.6 16.7 50.1

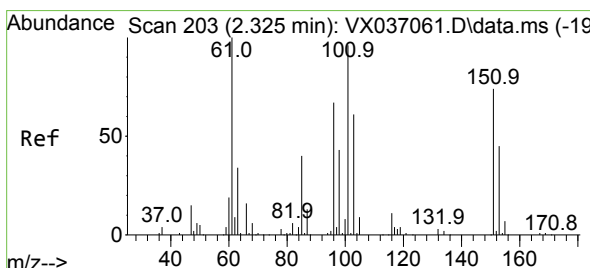
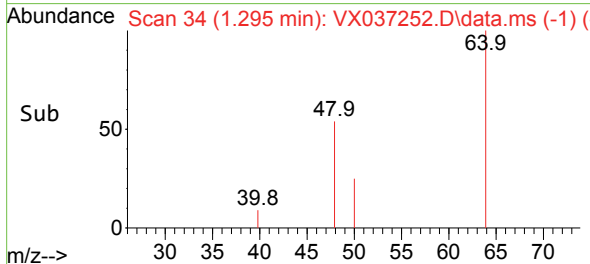
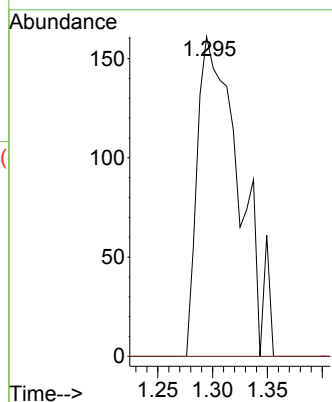
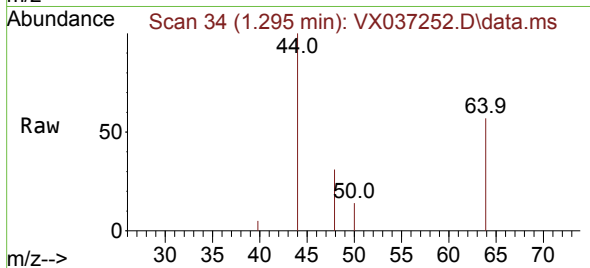




#3
Chloromethane
Concen: 0.269 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

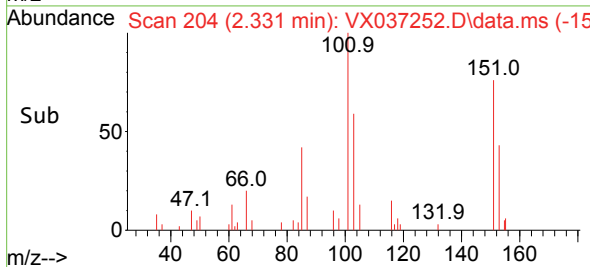
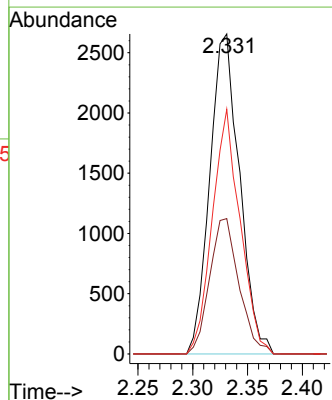
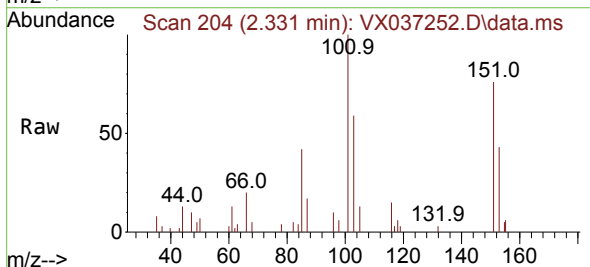
Instrument :
MSVOA_X
ClientSampleId :

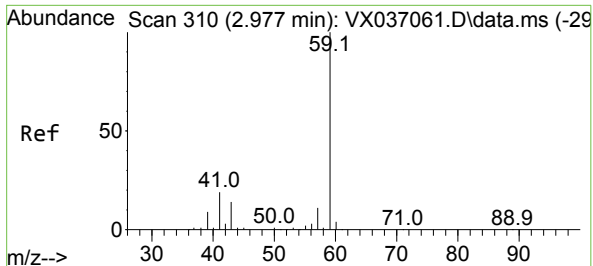
Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.030 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Tgt Ion: 101 Resp: 5009
Ion Ratio Lower Upper
101 100
85 41.8 37.0 55.6
151 71.6 58.6 87.8





#11

Tert butyl alcohol

Concen: 1.573 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037252.D

Acq: 25 Aug 2023 06:48

Instrument :

MSVOA_X

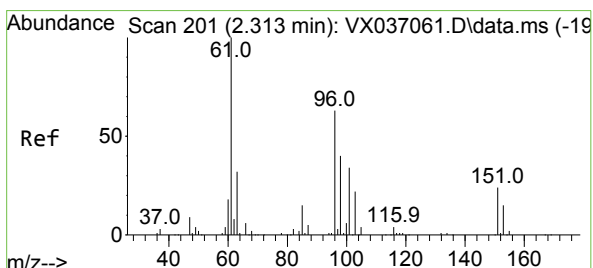
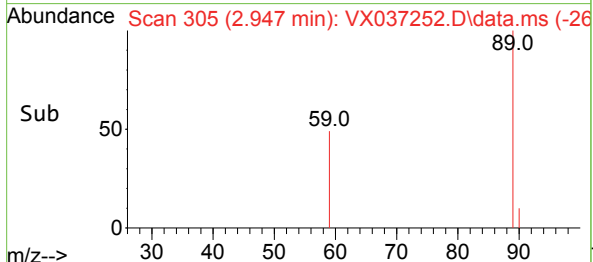
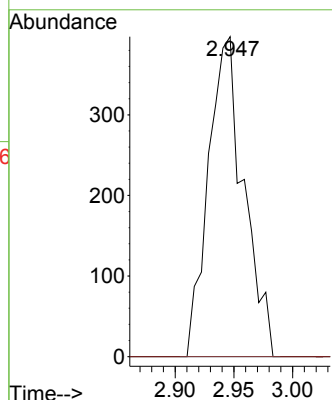
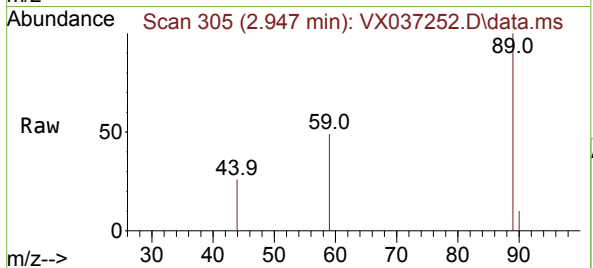
ClientSampleId :

Tgt Ion: 59 Resp: 832

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.539 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037252.D

Acq: 25 Aug 2023 06:48

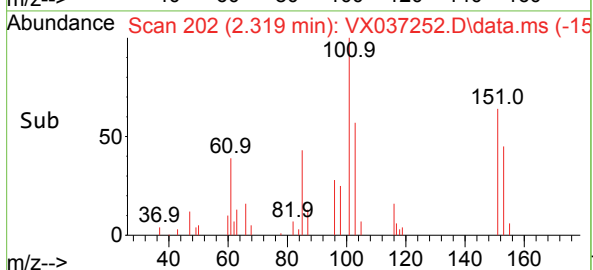
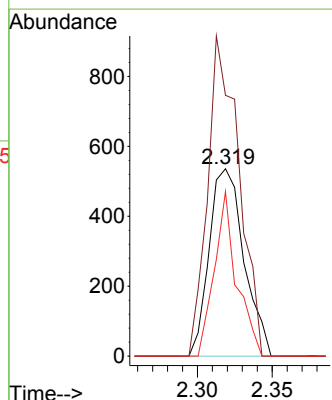
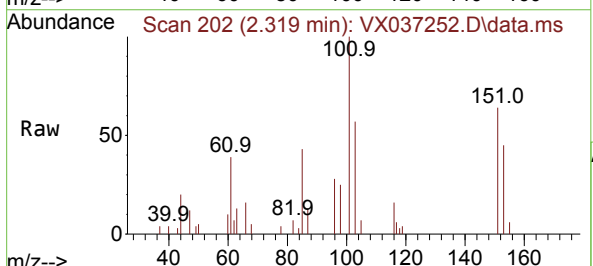
Tgt Ion: 96 Resp: 867

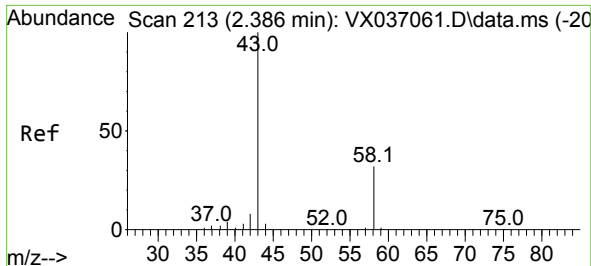
Ion Ratio Lower Upper

96 100

61 139.2 144.6 216.8#

98 87.9 50.4 75.6#

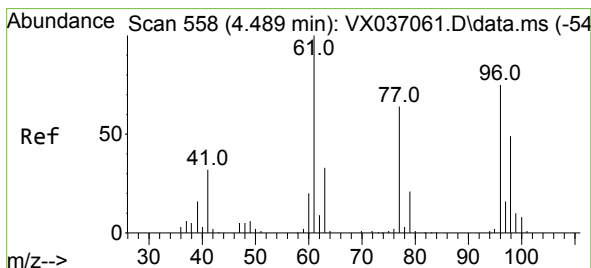
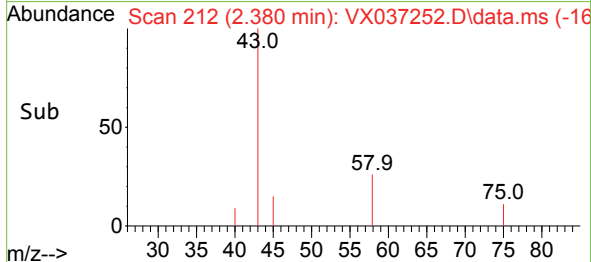
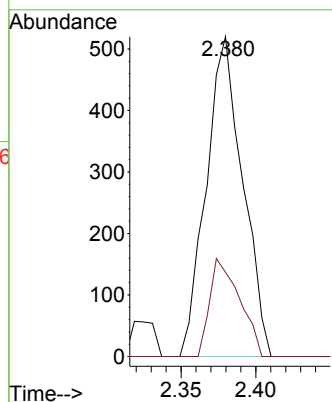
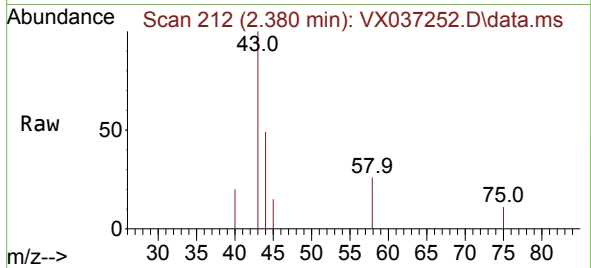




#16
Acetone
Concen: 0.999 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

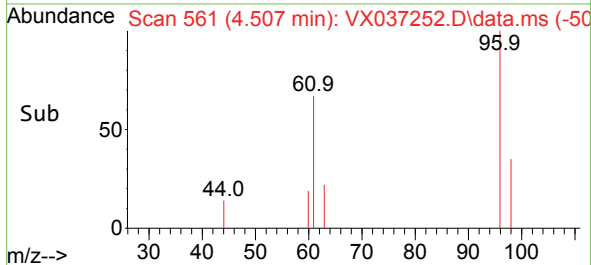
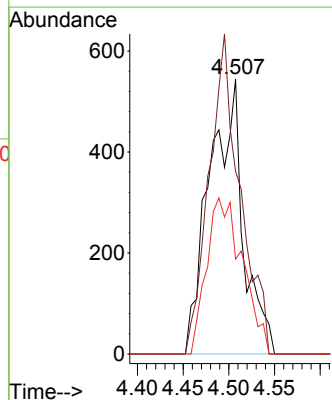
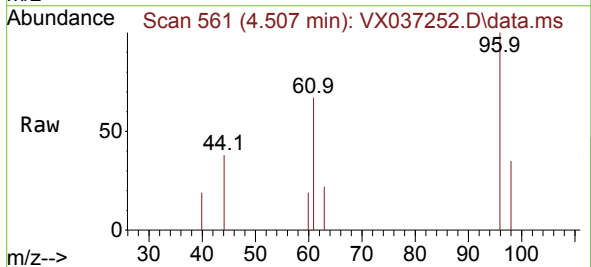
Instrument :
MSVOA_X
ClientSampleId :

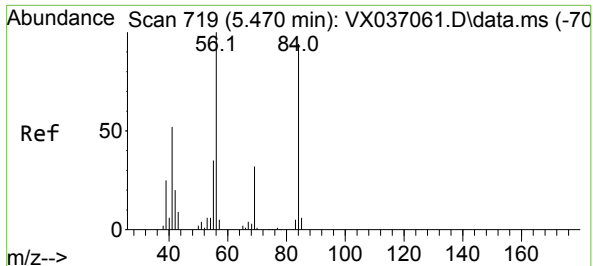
Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 26.3 21.9 32.9



#27
cis-1,2-Dichloroethene
Concen: 0.648 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.018 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

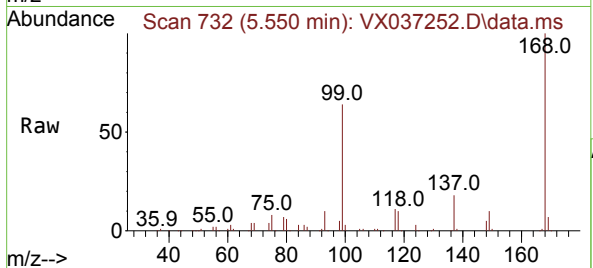
Tgt Ion: 96 Resp: 1398
Ion Ratio Lower Upper
96 100
61 106.7 0.0 312.2
98 60.5 0.0 129.0



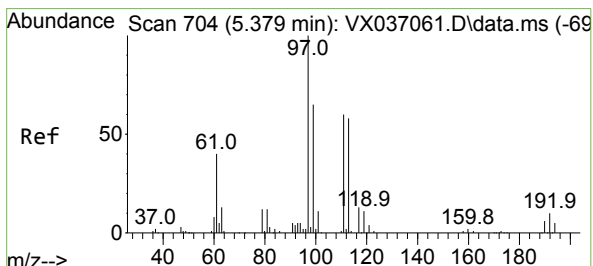
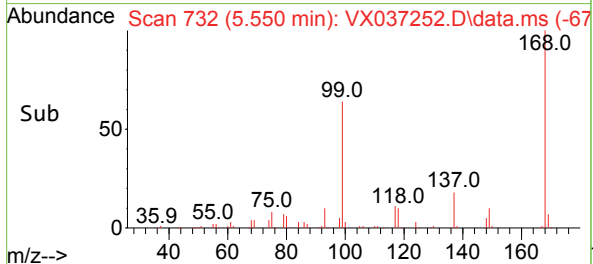
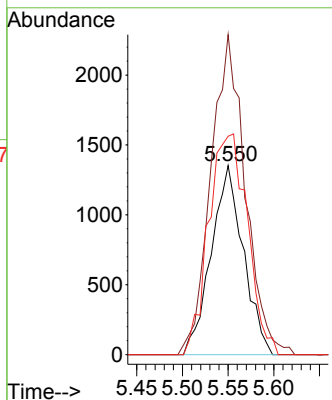


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Instrument :
MSVOA_X
ClientSampleId :

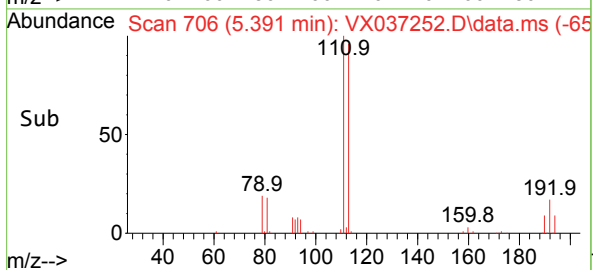
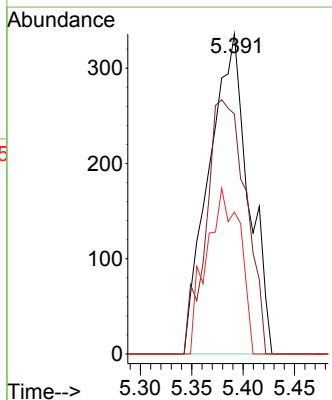
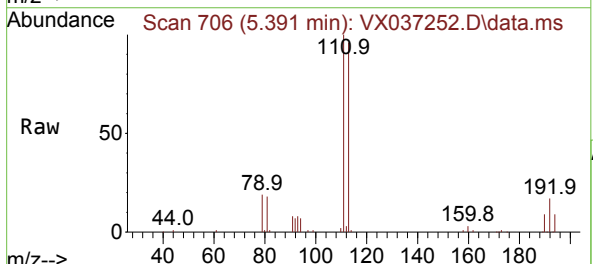


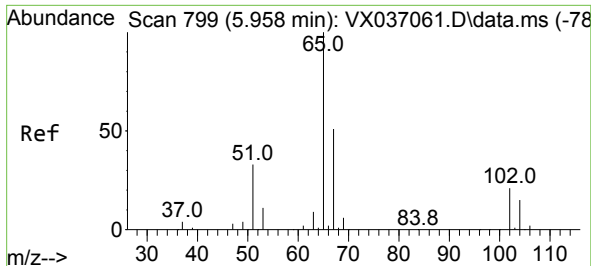
Tgt Ion: 56 Resp: 3307
Ion Ratio Lower Upper
56 100
69 169.2 23.4 35.2#
84 115.4 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.278 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Tgt Ion: 97 Resp: 895
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 44.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 43.268 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037252.D

Acq: 25 Aug 2023 06:48

Instrument :

MSVOA_X

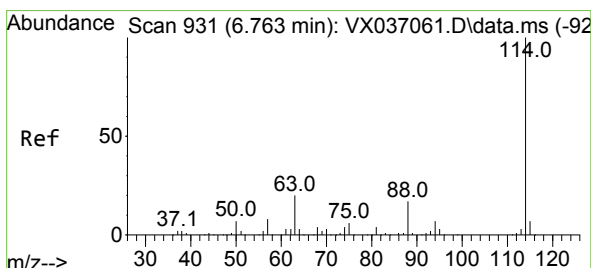
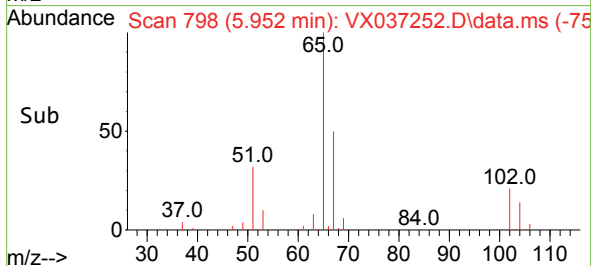
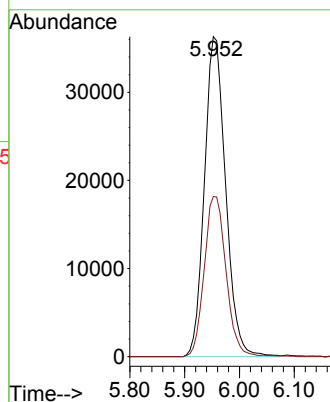
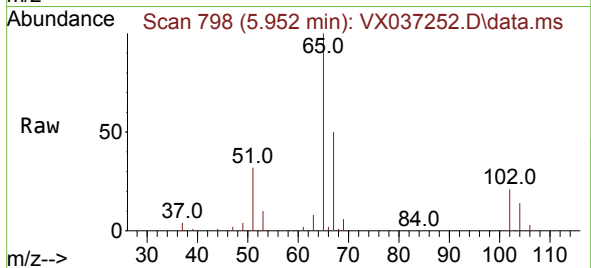
ClientSampleId :

Tgt Ion: 65 Resp: 97540

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: VX037252.D

Acq: 25 Aug 2023 06:48

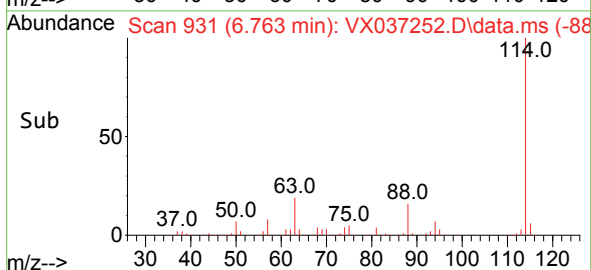
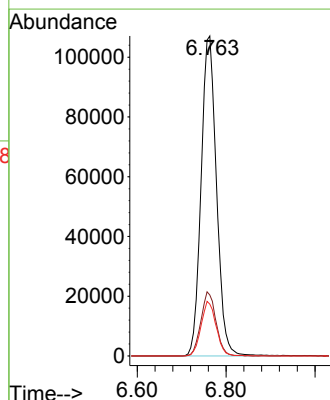
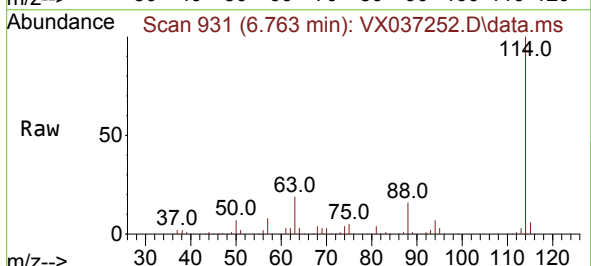
Tgt Ion: 114 Resp: 258782

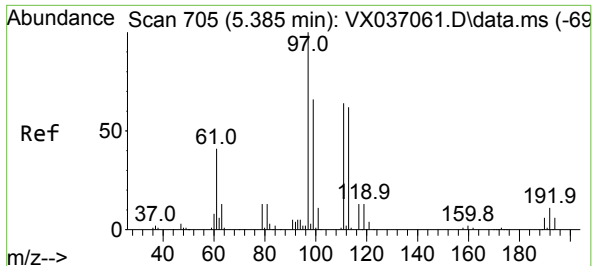
Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

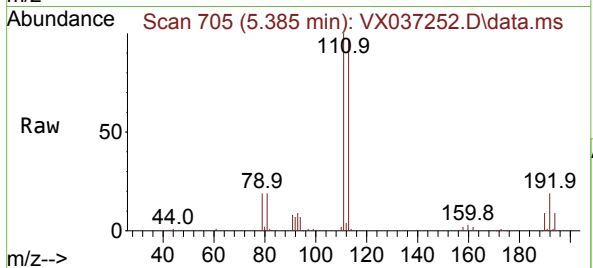
88 16.2 0.0 36.6



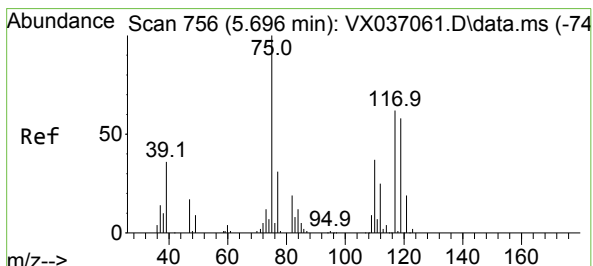
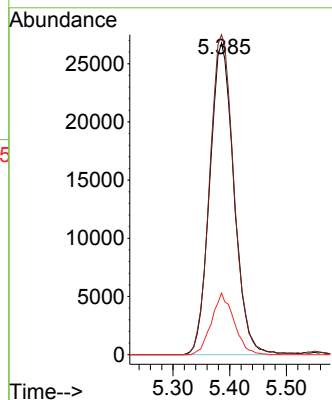
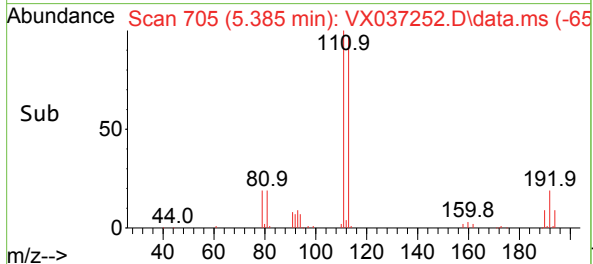


#35
Dibromofluoromethane
Concen: 46.264 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Instrument :
MSVOA_X
ClientSampleId :

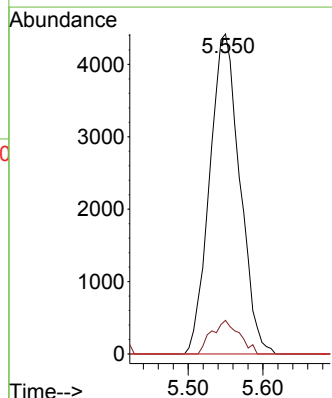
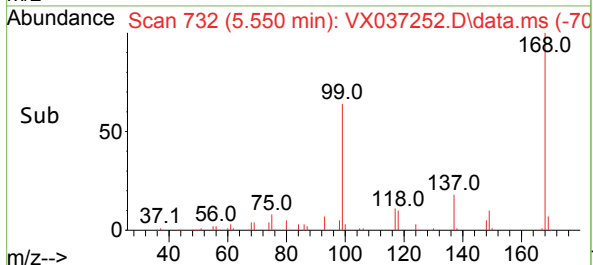
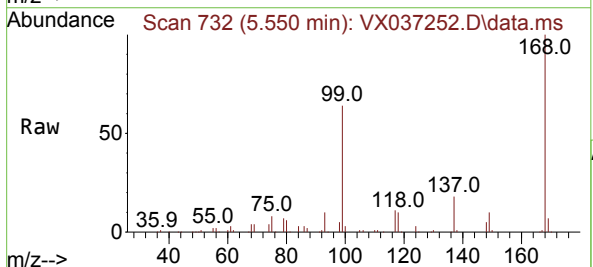


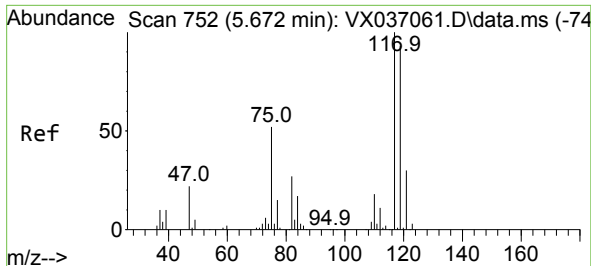
Tgt Ion:113 Resp: 79289
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

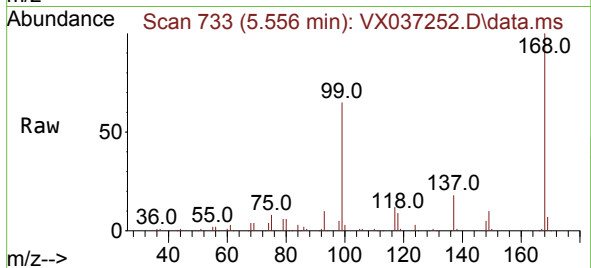
Tgt Ion: 75 Resp: 12411
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



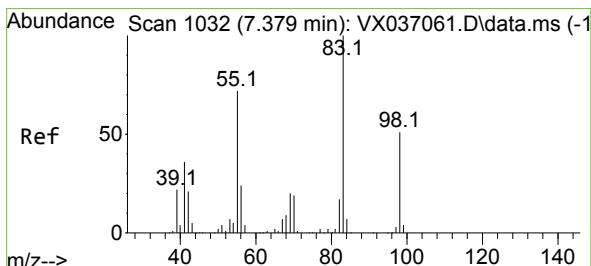
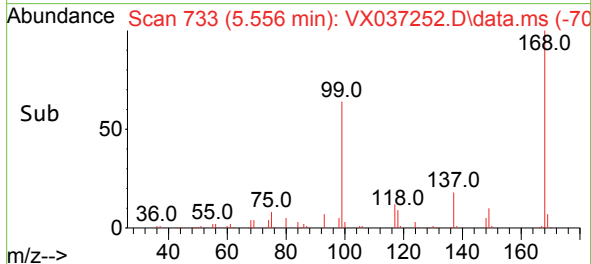
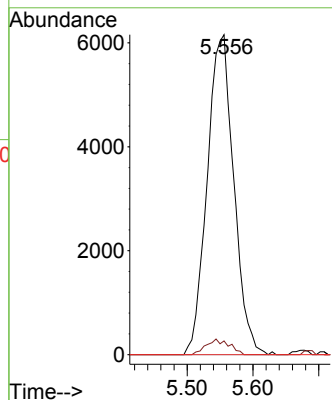


#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Instrument :
MSVOA_X
ClientSampleId :

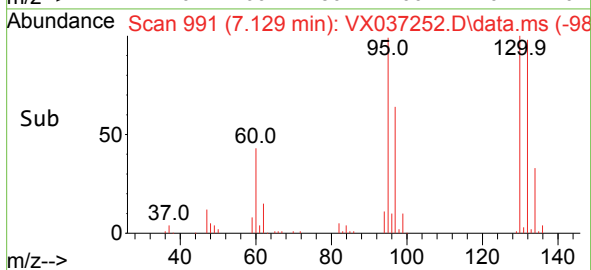
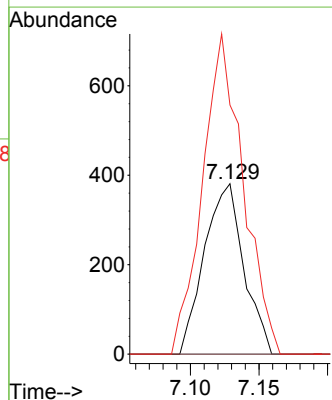
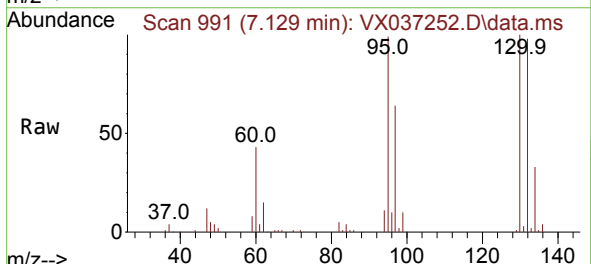


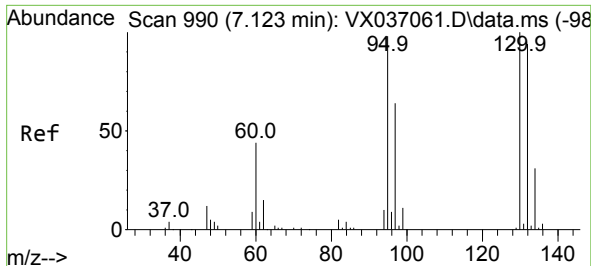
Tgt Ion:117 Resp: 17335
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.298 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Tgt Ion: 83 Resp: 763
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 146.2 36.7 55.1#

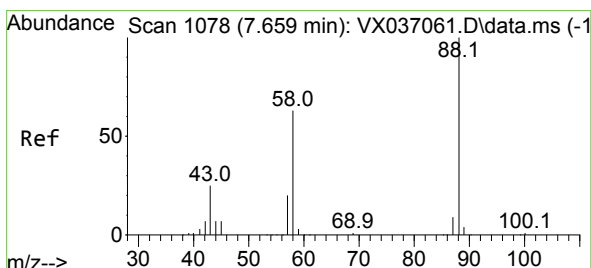
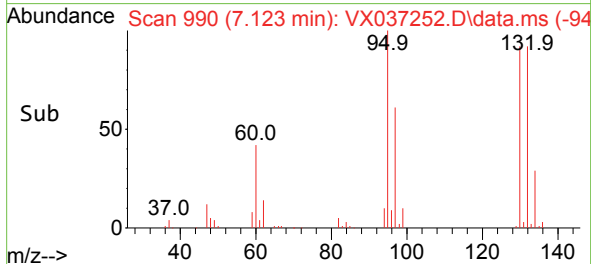
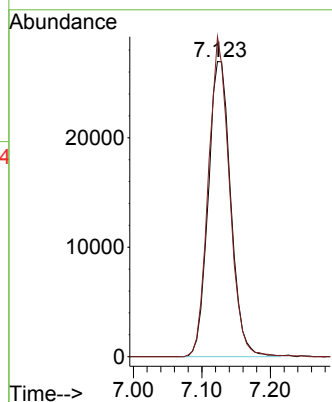
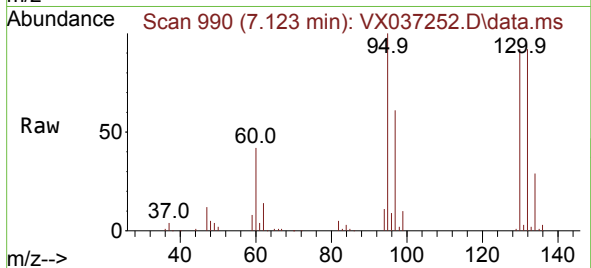




#44
Trichloroethene
Concen: 31.038 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

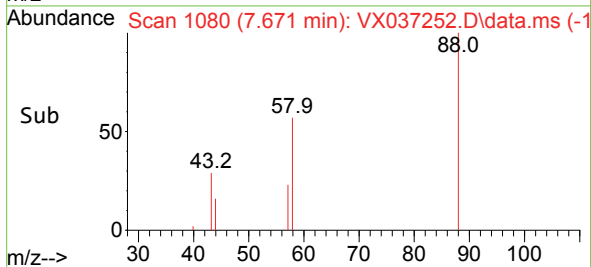
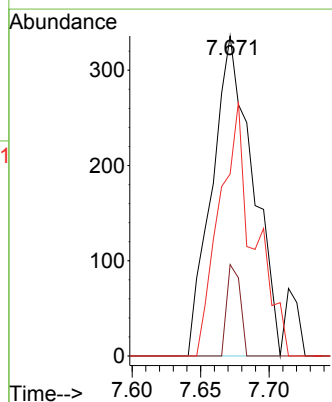
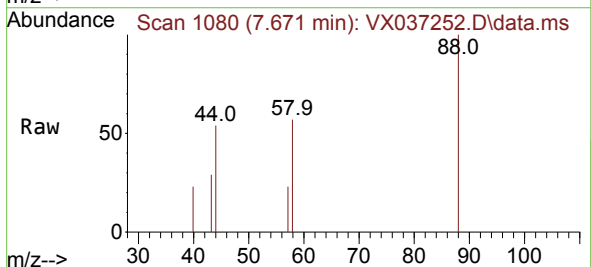
Instrument :
MSVOA_X
ClientSampleId :

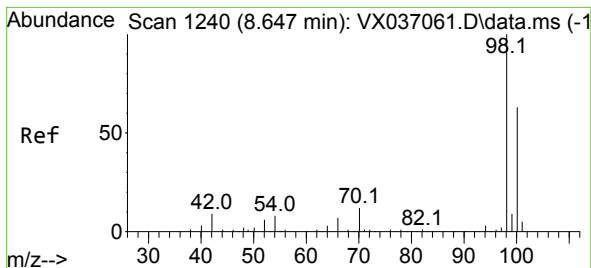
Tgt Ion:130 Resp: 61461
Ion Ratio Lower Upper
130 100
95 108.4 0.0 204.4



#49
1,4-Dioxane
Concen: 13.420 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Tgt Ion: 88 Resp: 696
Ion Ratio Lower Upper
88 100
43 9.3 0.0 0.0#
58 67.4 60.1 90.1





#50

Toluene-d8

Concen: 48.661 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037252.D

Acq: 25 Aug 2023 06:48

Instrument :

MSVOA_X

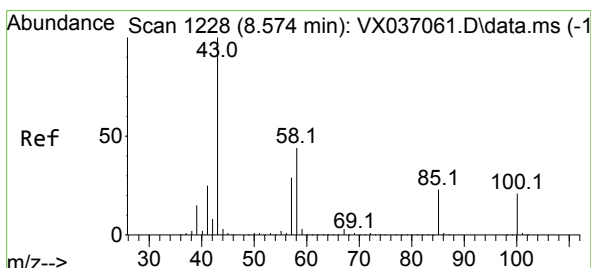
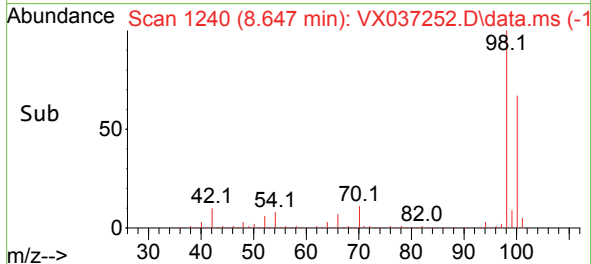
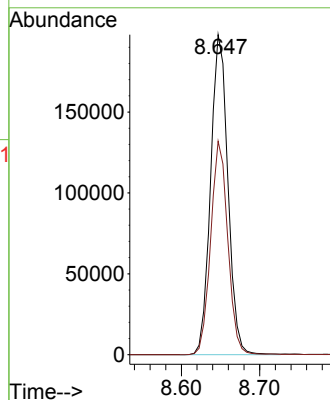
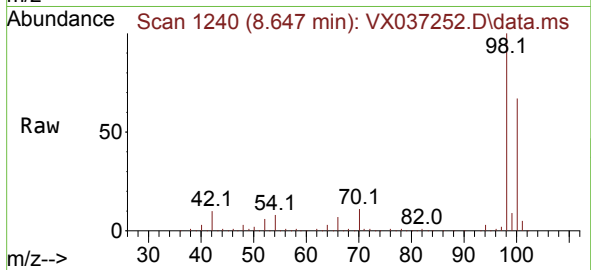
ClientSampleId :

Tgt Ion: 98 Resp: 302515

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.486 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037252.D

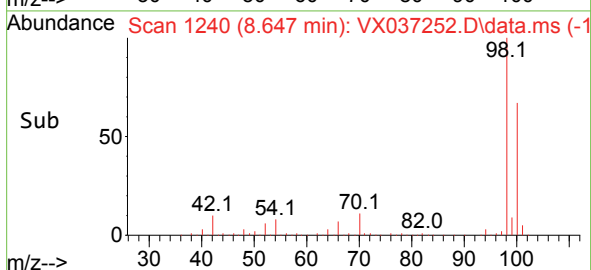
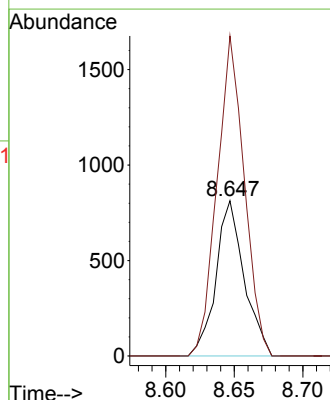
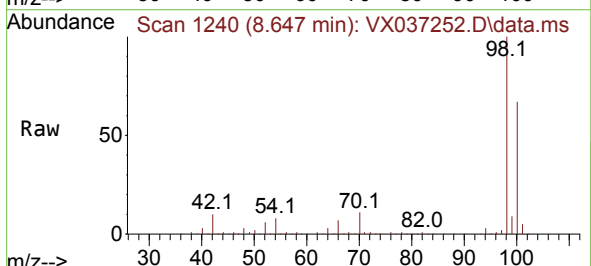
Acq: 25 Aug 2023 06:48

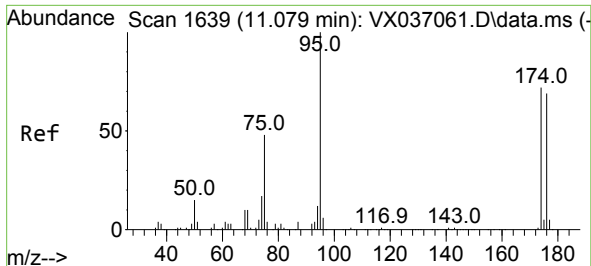
Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43 100

58 199.0 30.4 45.6#

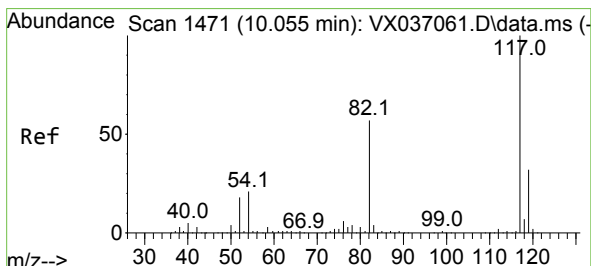
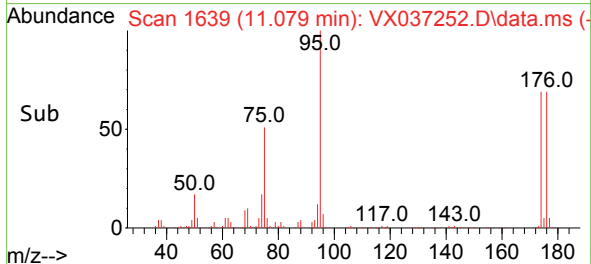
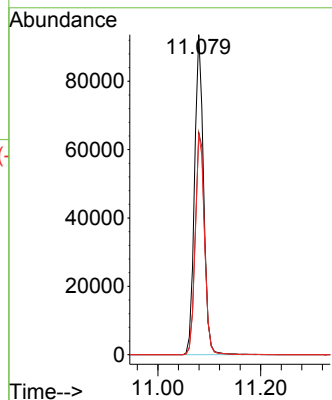
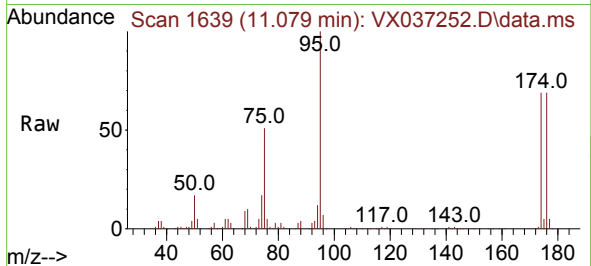




#62
4-Bromofluorobenzene
Concen: 46.749 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

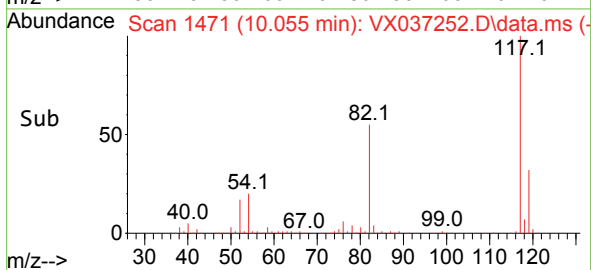
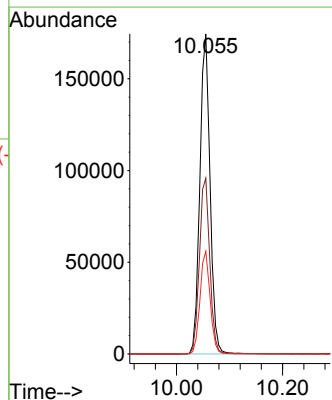
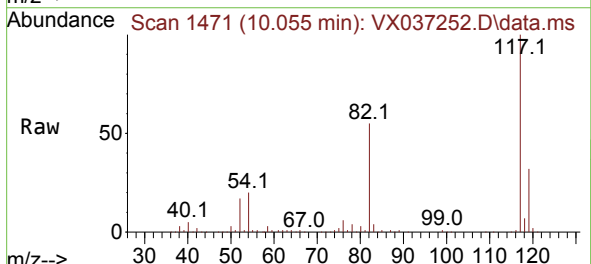
Instrument :
MSVOA_X
ClientSampleId :

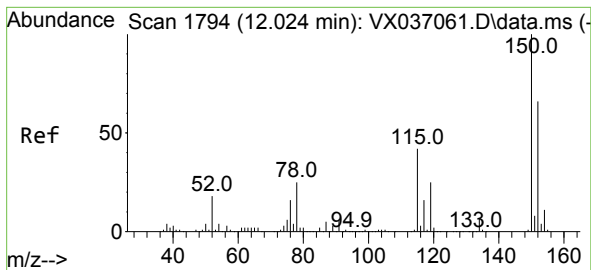
Tgt Ion: 95 Resp: 114212
Ion Ratio Lower Upper
95 100
174 71.9 0.0 135.6
176 70.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037252.D
Acq: 25 Aug 2023 06:48

Tgt Ion: 117 Resp: 233307
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.1 25.5 38.3

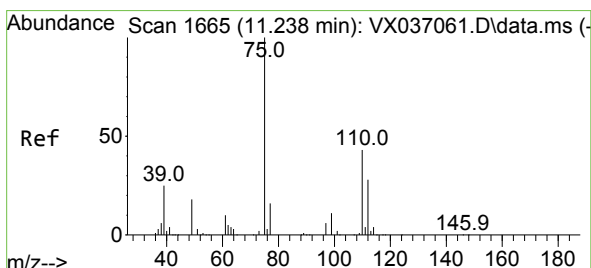
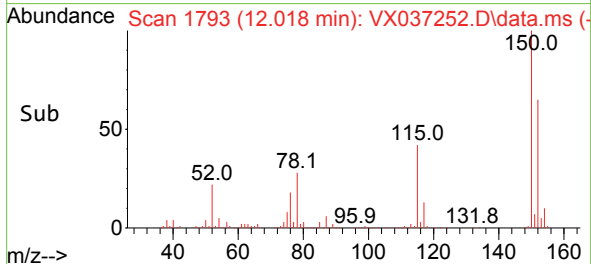
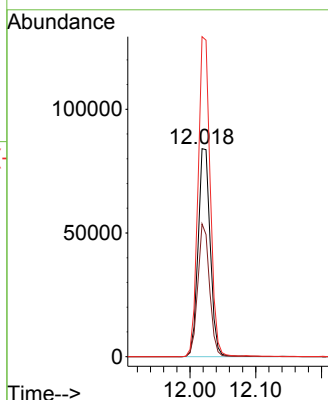
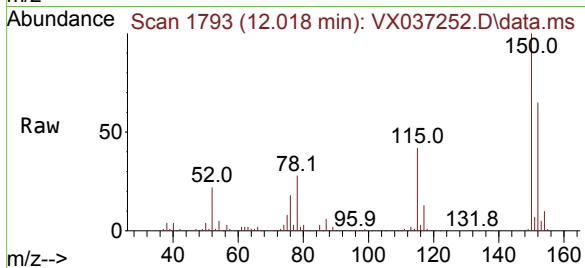




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX037252.D
 Acq: 25 Aug 2023 06:48

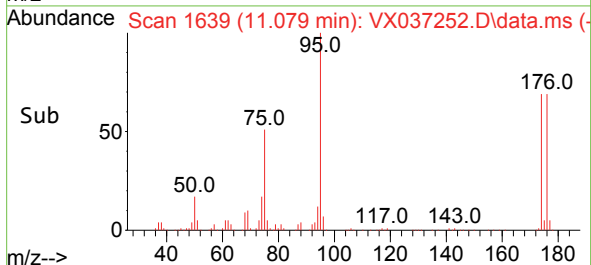
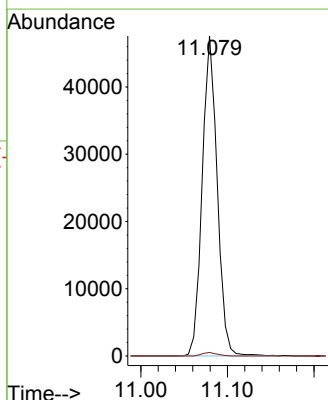
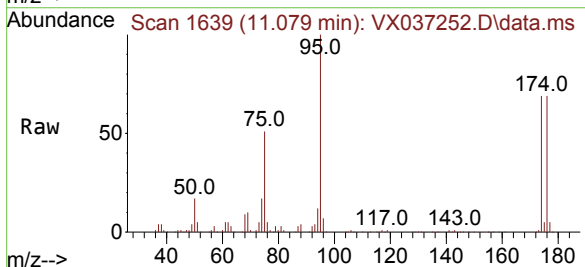
Instrument :
 MSVOA_X
 ClientSampleId :

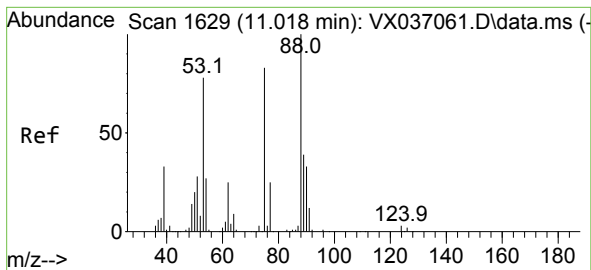
Tgt Ion:152 Resp: 108200
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.3 129.9
 150 153.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.802 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037252.D
 Acq: 25 Aug 2023 06:48

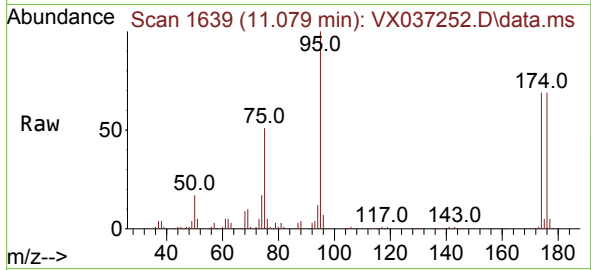
Tgt Ion: 75 Resp: 57152
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.274 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037252.D
 Acq: 25 Aug 2023 06:48

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 57152
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

