

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037193.D
 Acq On : 23 Aug 2023 19:06
 Operator : JC/MD
 Sample : 04051-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20230816

Quant Time: Aug 24 05:37:04 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)

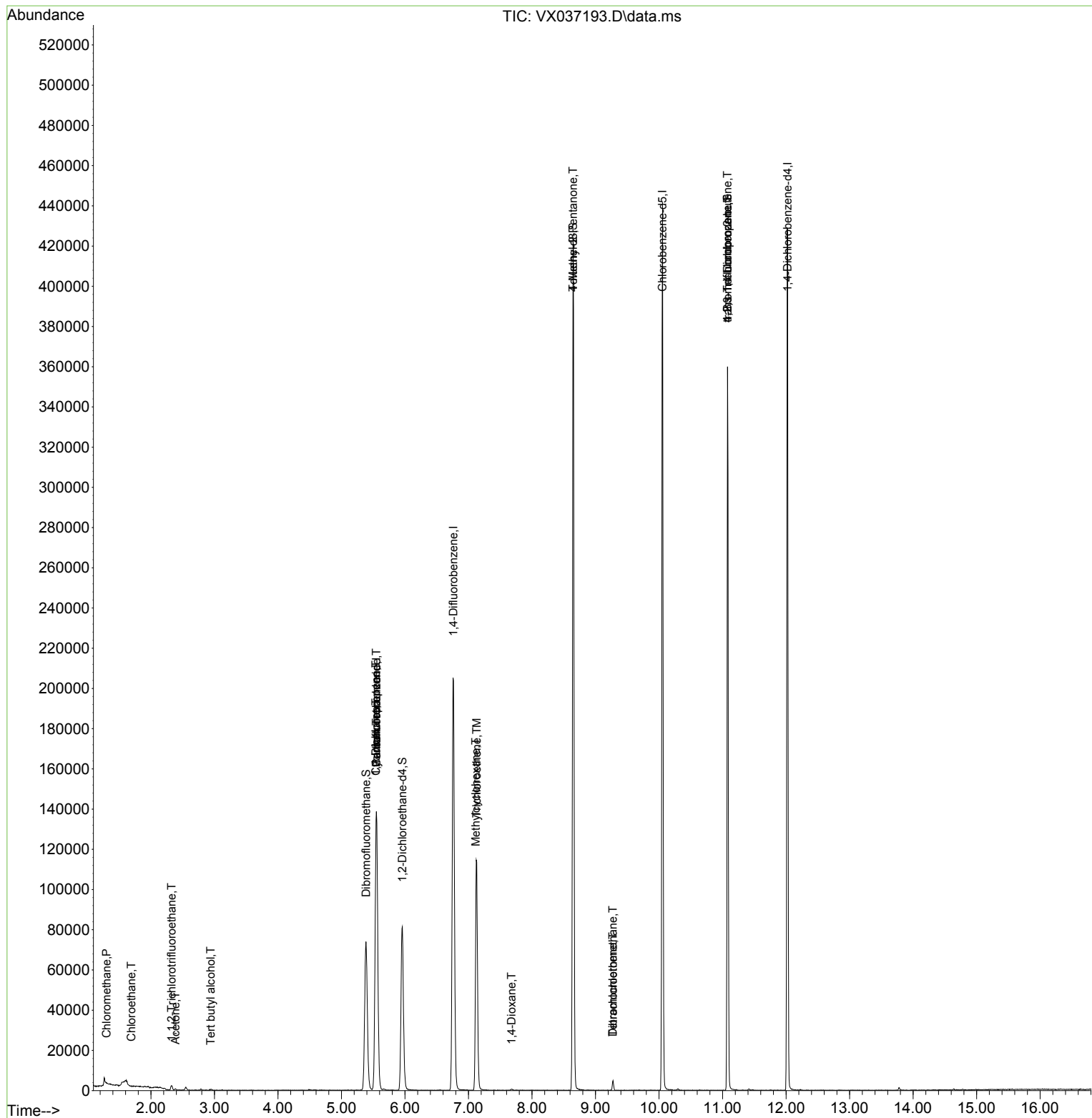
Internal Standards						
1) Pentafluorobenzene	5.550	168	130527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83218	44.223	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.440%		
35) Dibromofluoromethane	5.385	113	66296	46.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.220%		
50) Toluene-d8	8.647	98	254072	48.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.440%		
62) 4-Bromofluorobenzene	11.079	95	98109	47.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.740%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	817	0.616	ug/l #	43
6) Chloroethane	1.691	64	283	0.333	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	1017	0.737	ug/l	94
11) Tert butyl alcohol	2.941	59	296	0.671	ug/l #	78
16) Acetone	2.386	43	627	0.852	ug/l #	89
31) Cyclohexane	5.544	56	2677	1.265	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10484	5.133	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14394	6.488	ug/l #	15
39) Methylcyclohexane	7.117	83	526	0.245	ug/l #	1
44) Trichloroethene	7.129	130	46205	27.817	ug/l	94
49) 1,4-Dioxane	7.677	88	560	12.872	ug/l #	73
51) 4-Methyl-2-Pentanone	8.647	43	1042	0.518	ug/l #	1
60) Dibromochloromethane	9.275	129	897	0.535	ug/l #	11
64) Tetrachloroethene	9.275	164	796	0.565	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	49994	25.644	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	49994	71.626	ug/l #	5

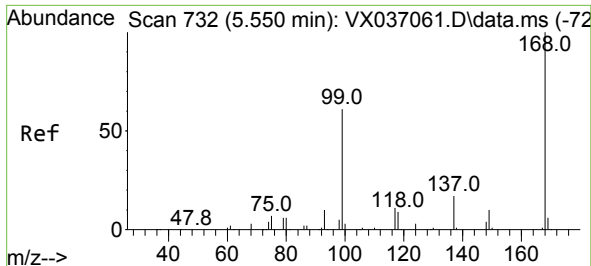
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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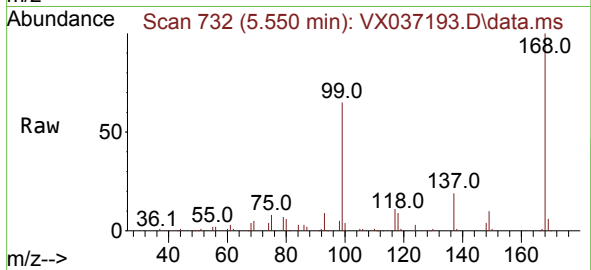
Quant Time: Aug 24 05:37:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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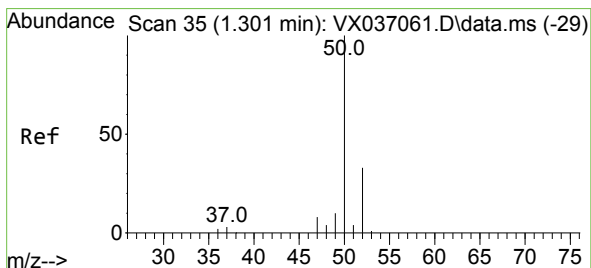
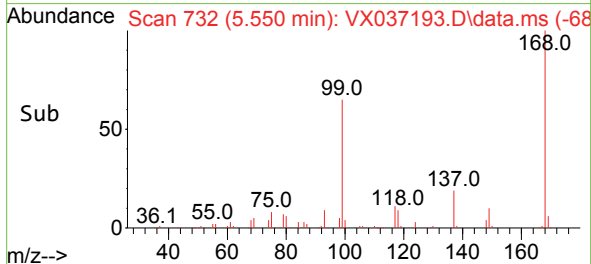
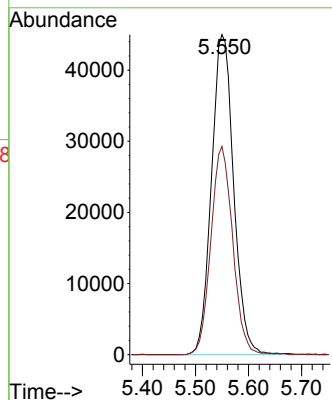


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

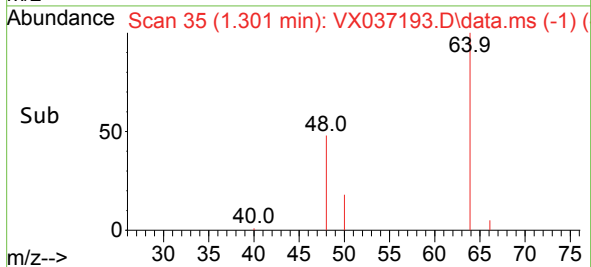
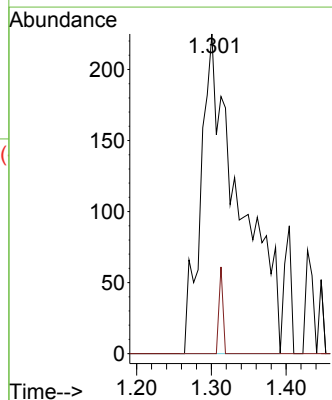
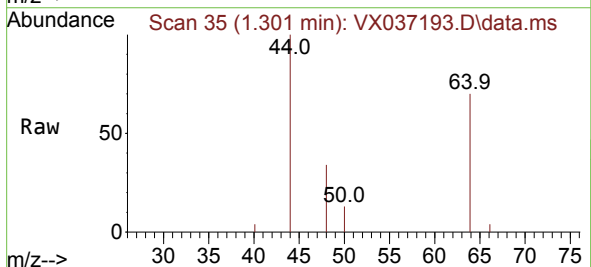


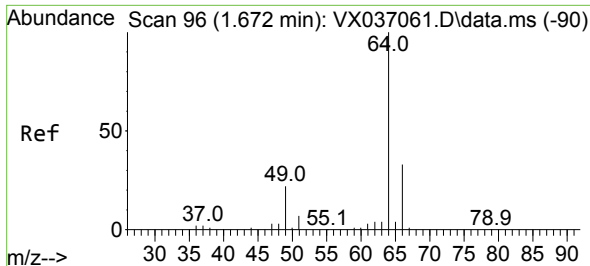
Tgt Ion:168 Resp: 130527
Ion Ratio Lower Upper
168 100
99 65.1 56.6 85.0



#3
Chloromethane
Concen: 0.616 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 50 Resp: 817
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

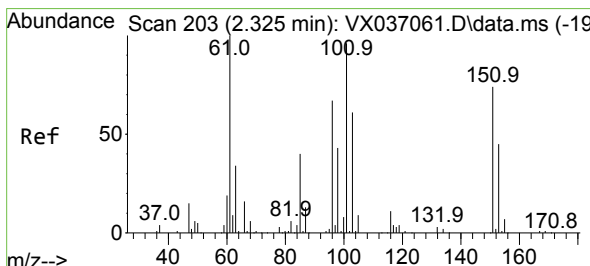
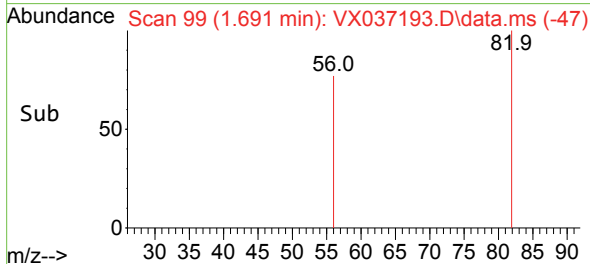
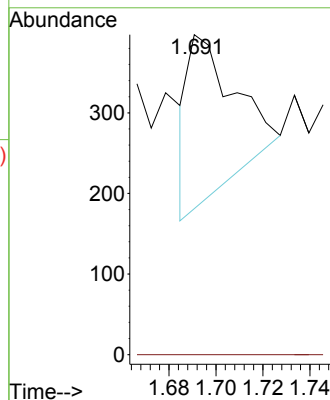
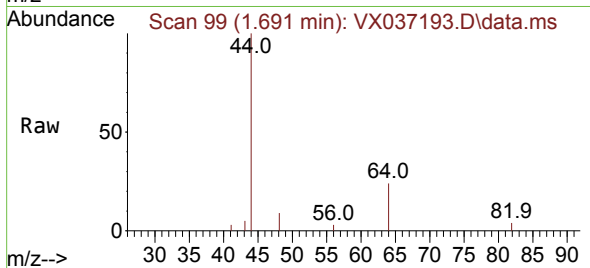




#6
Chloroethane
Concen: 0.333 ug/l
RT: 1.691 min Scan# 96
Delta R.T. 0.019 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

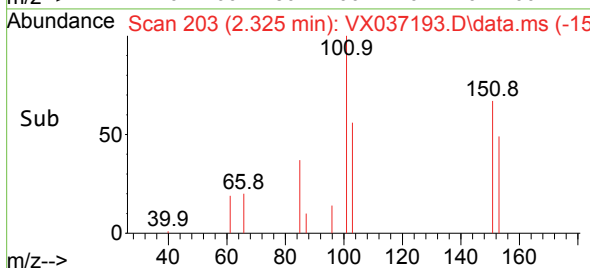
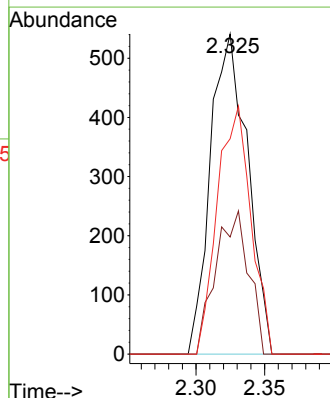
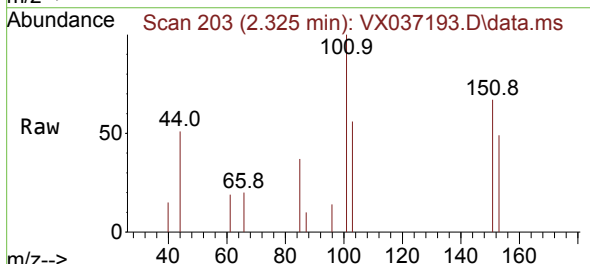
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

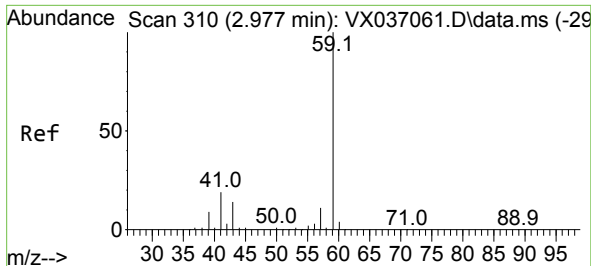
Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.737 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 101 Resp: 1017
Ion Ratio Lower Upper
101 100
85 39.9 37.0 55.6
151 70.4 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.671 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX037193.D

Acq: 23 Aug 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

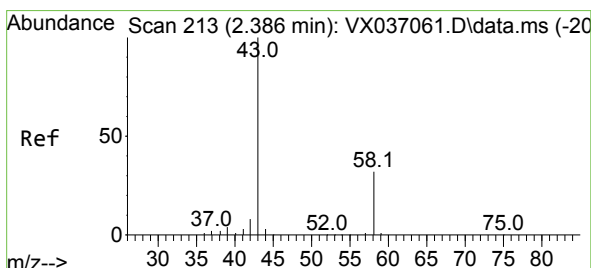
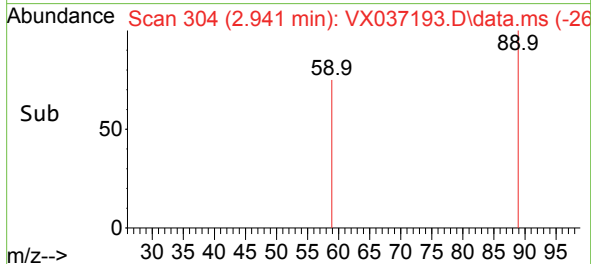
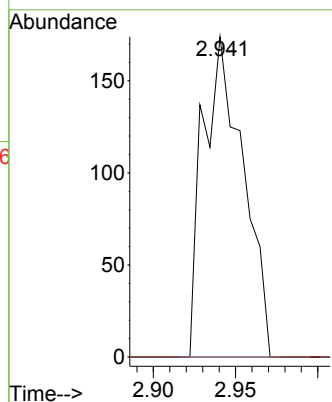
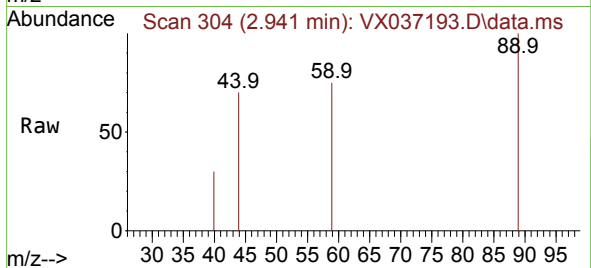
RE109D2-20230816

Tgt Ion: 59 Resp: 296

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.852 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX037193.D

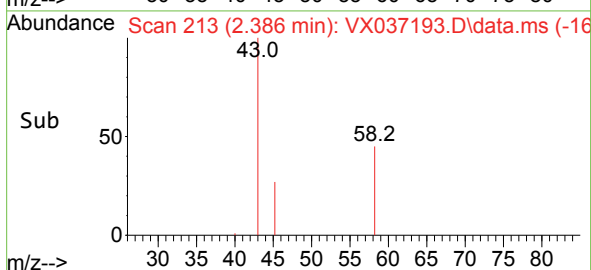
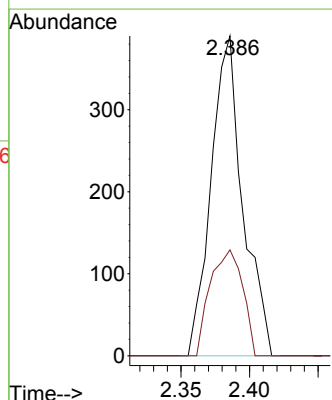
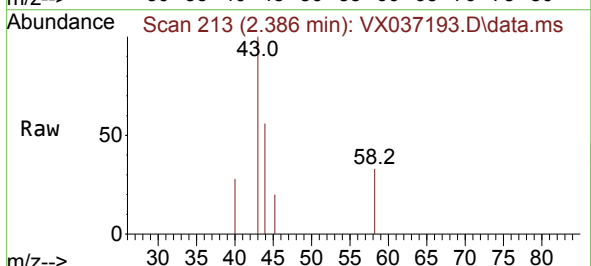
Acq: 23 Aug 2023 19:06

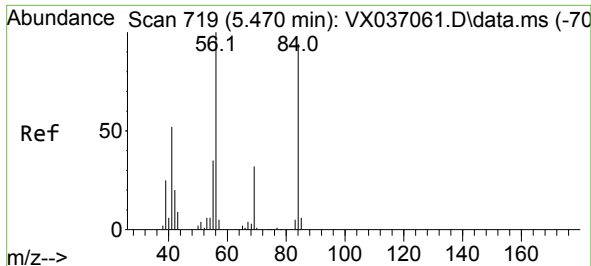
Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

43 100

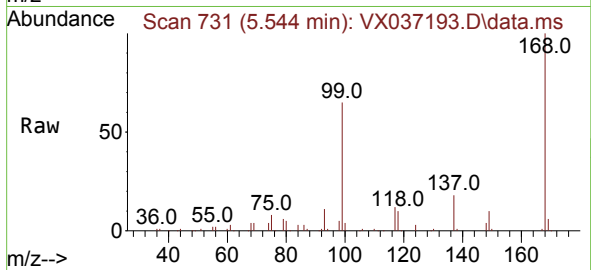
58 33.1 21.9 32.9#



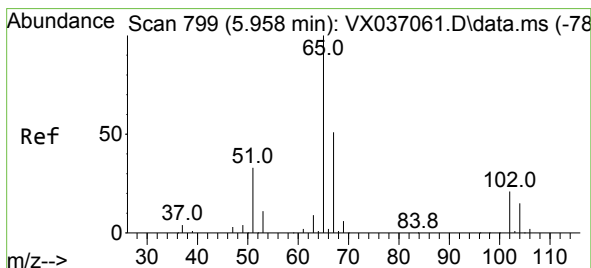
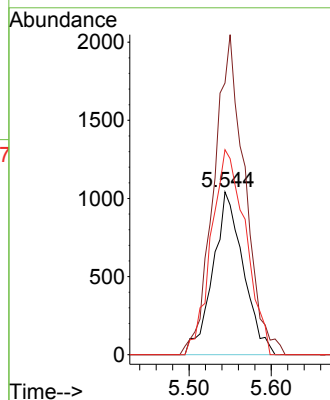
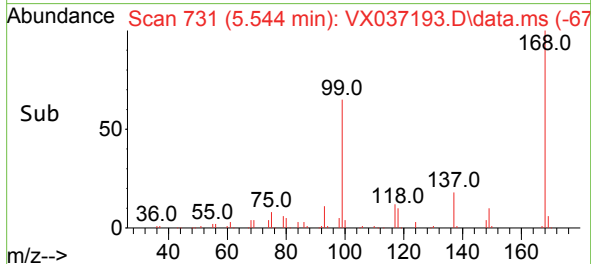


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

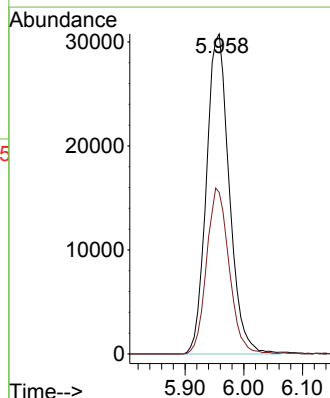
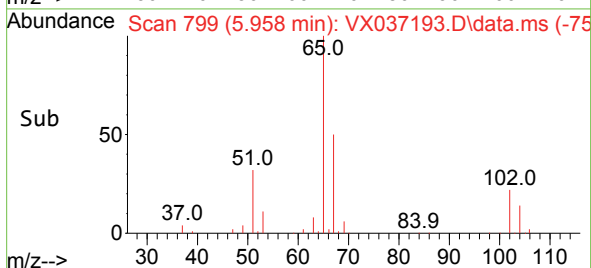
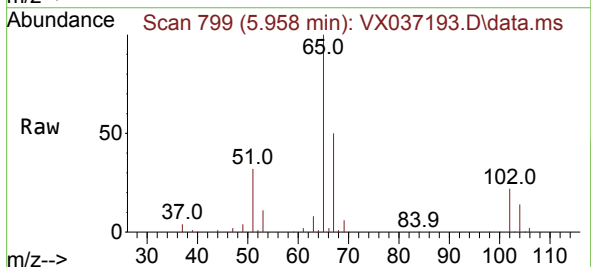


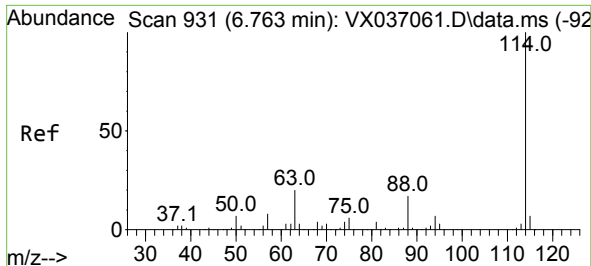
Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 166.9 23.4 35.2#
84 125.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.223 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 65 Resp: 83218
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

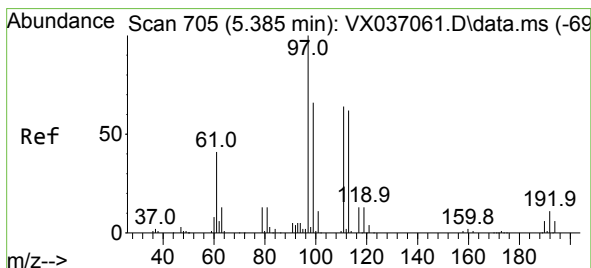
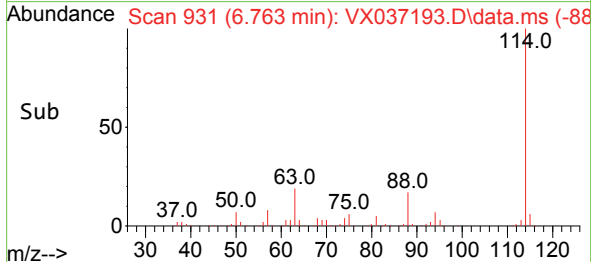
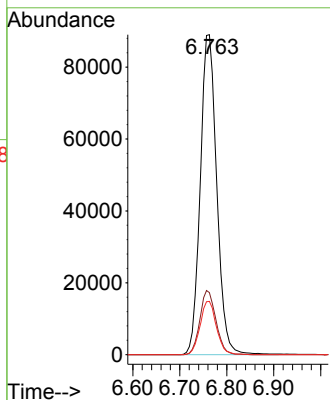
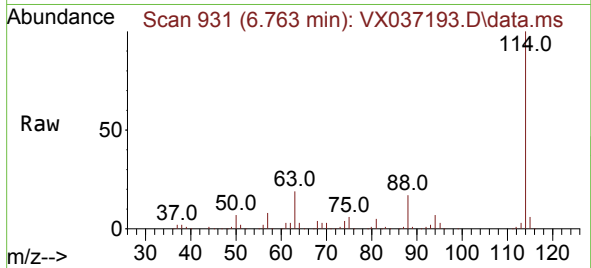




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

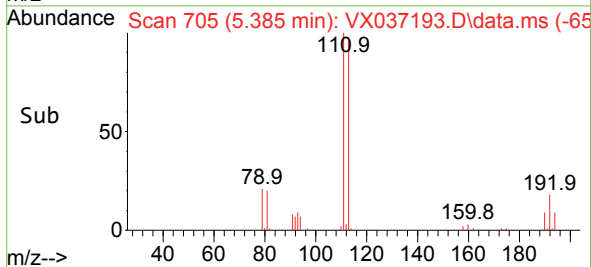
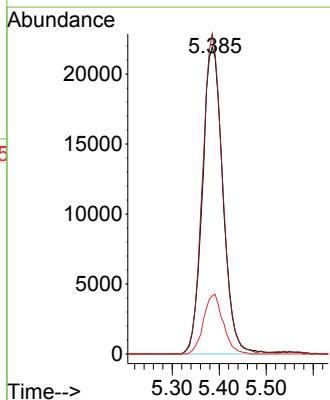
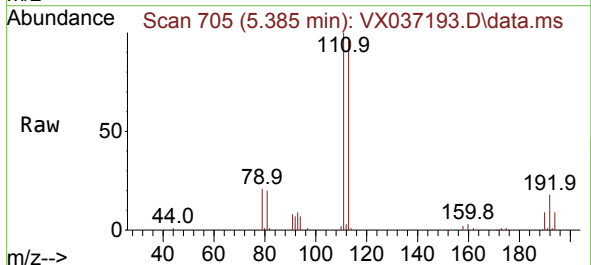
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ClientSampleId :
RE109D2-20230816

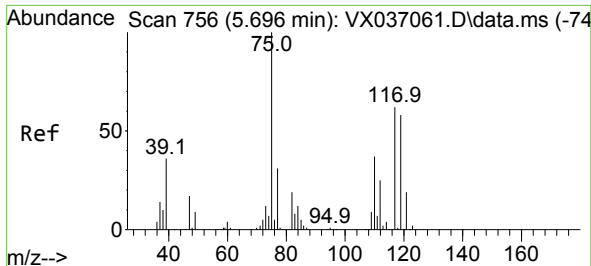
Tgt Ion:114 Resp: 217073
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.115 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

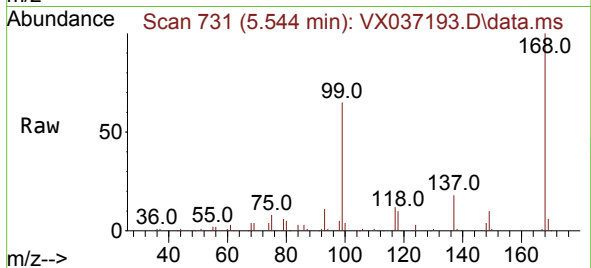
Tgt Ion:113 Resp: 66296
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.6 13.3 19.9



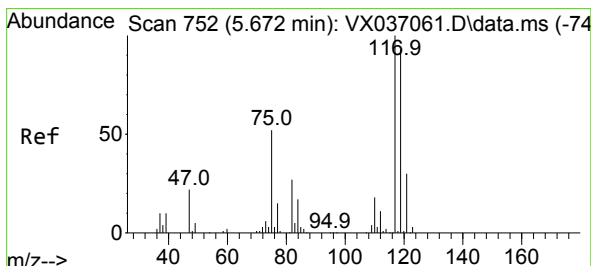
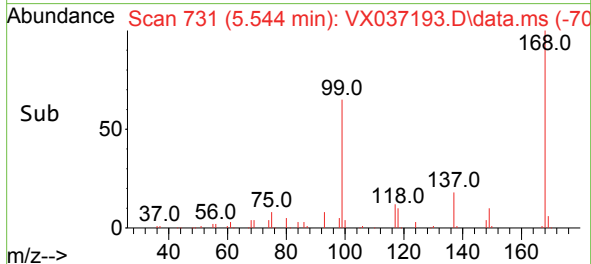
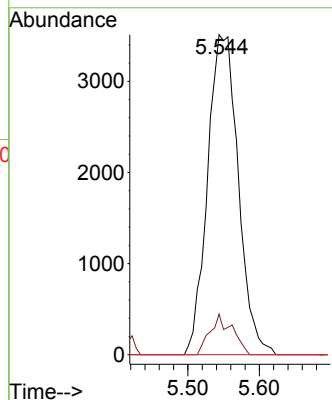


#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

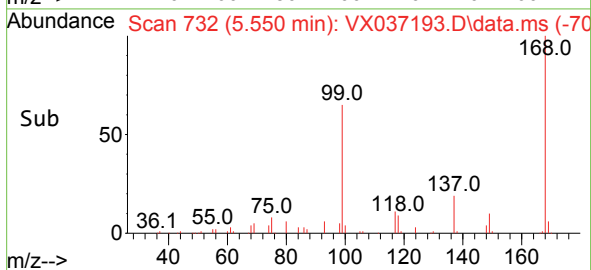
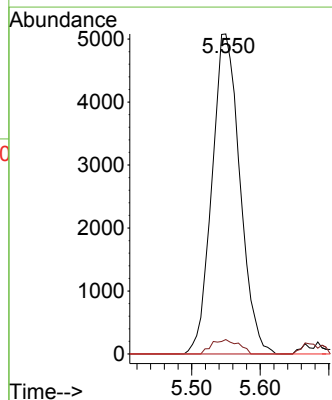
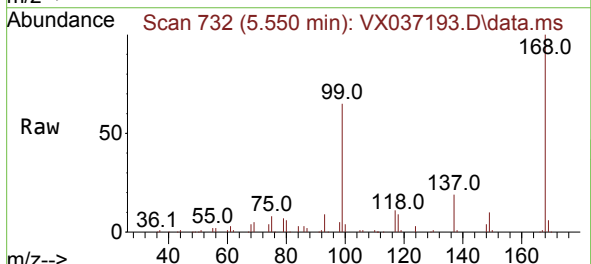


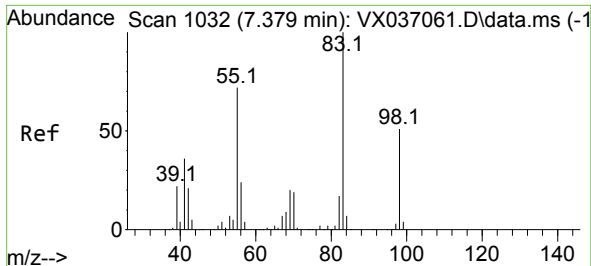
Tgt Ion: 75 Resp: 10484
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.488 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 117 Resp: 14394
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.245 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX037193.D

Acq: 23 Aug 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-20230816

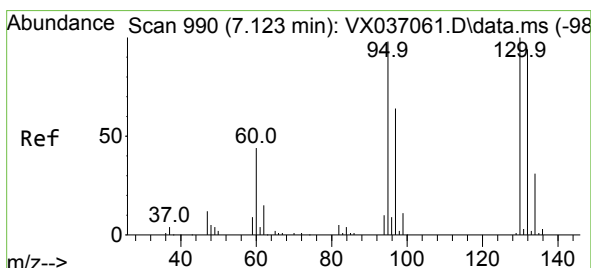
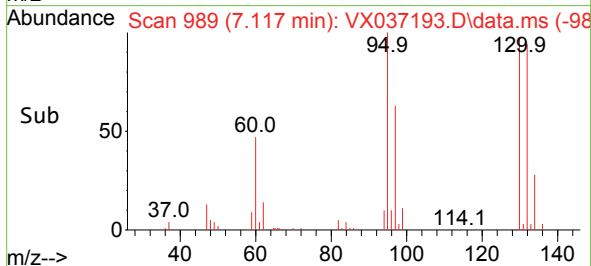
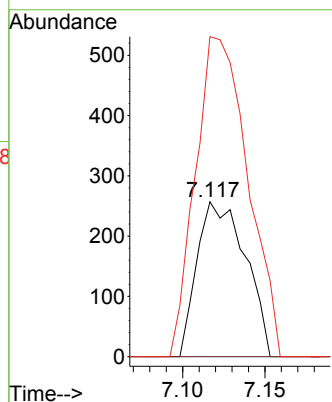
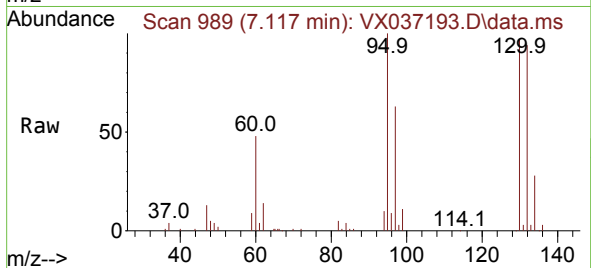
Tgt Ion: 83 Resp: 526

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 206.6 36.7 55.1#



#44

Trichloroethene

Concen: 27.817 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037193.D

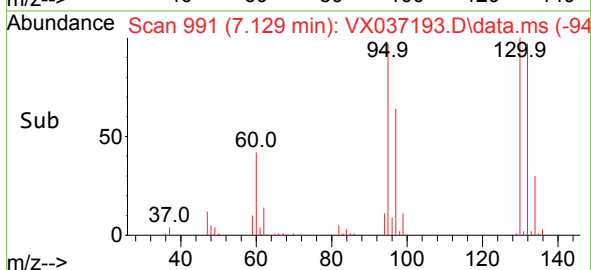
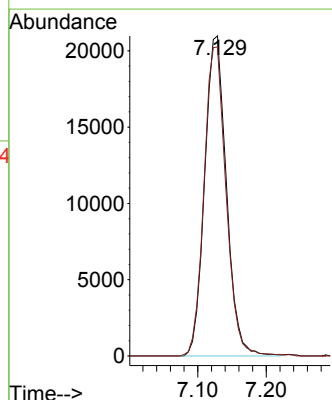
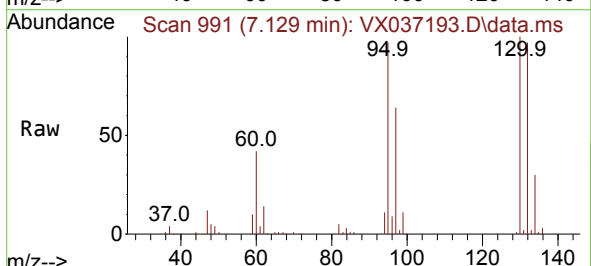
Acq: 23 Aug 2023 19:06

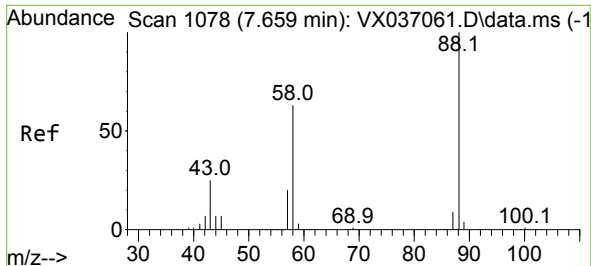
Tgt Ion:130 Resp: 46205

Ion Ratio Lower Upper

130 100

95 96.6 0.0 204.4

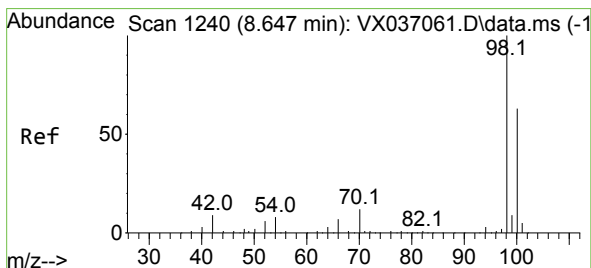
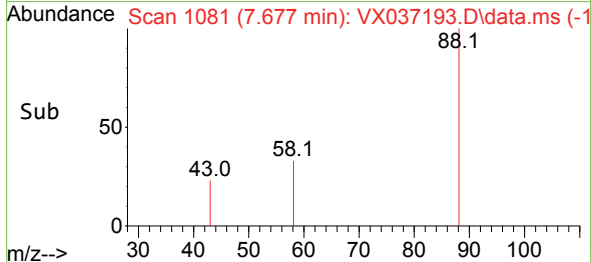
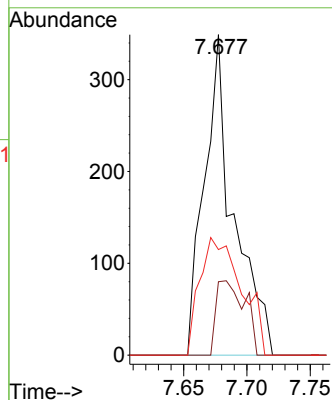
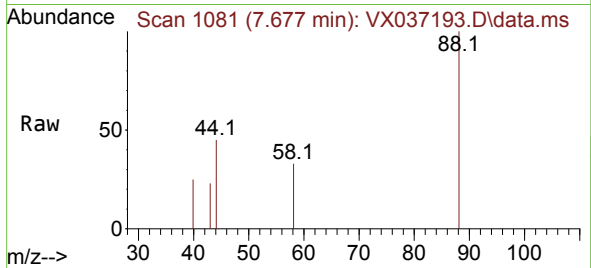




#49
1,4-Dioxane
Concen: 12.872 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

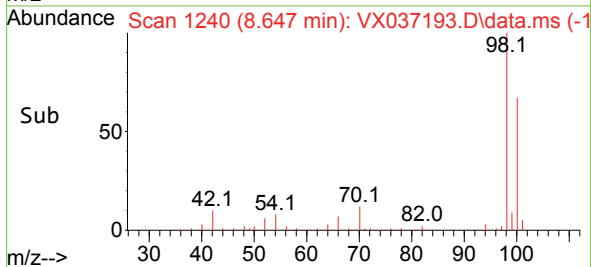
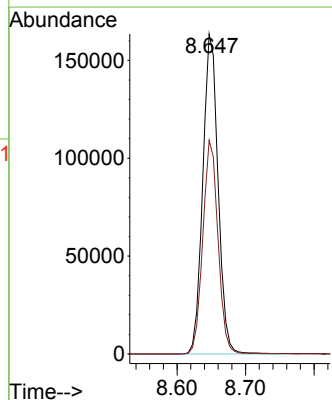
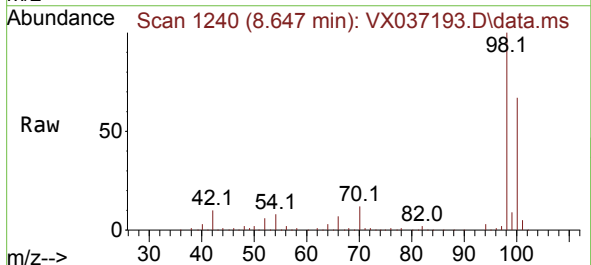
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

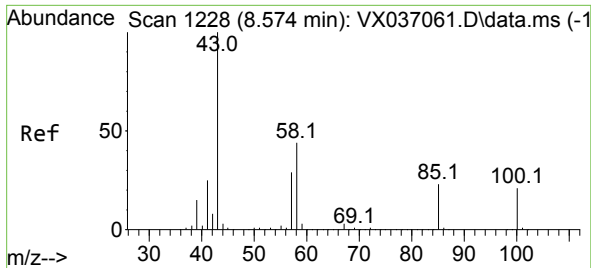
Tgt Ion: 88 Resp: 560
Ion Ratio Lower Upper
88 100
43 22.7 0.0 0.0#
58 52.5 60.1 90.1#



#50
Toluene-d8
Concen: 48.721 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 98 Resp: 254072
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

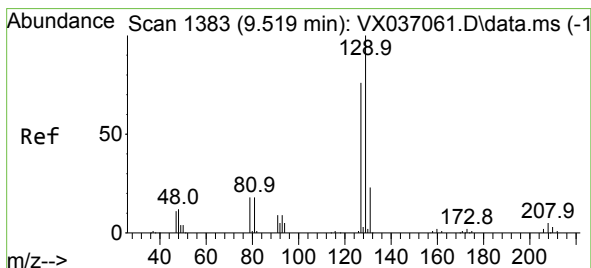
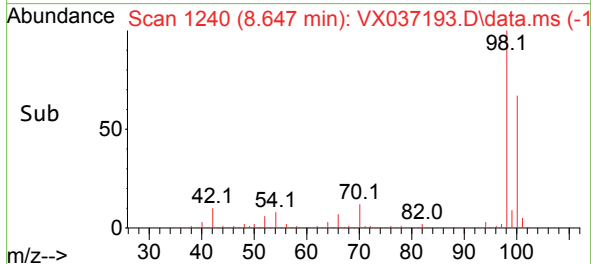
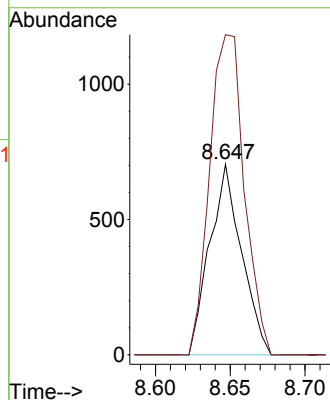
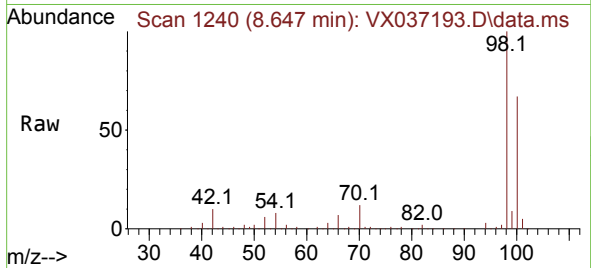




#51
4-Methyl-2-Pentanone
Concen: 0.518 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

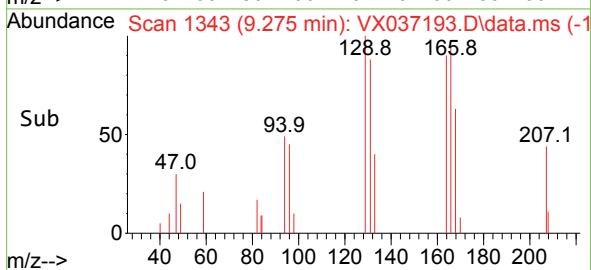
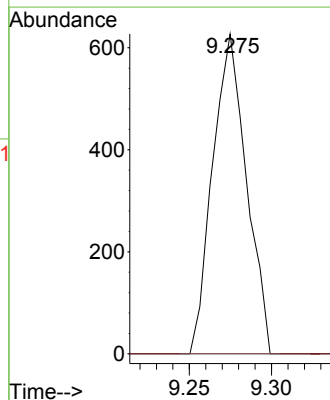
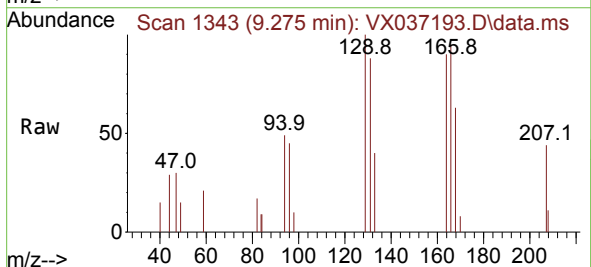
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

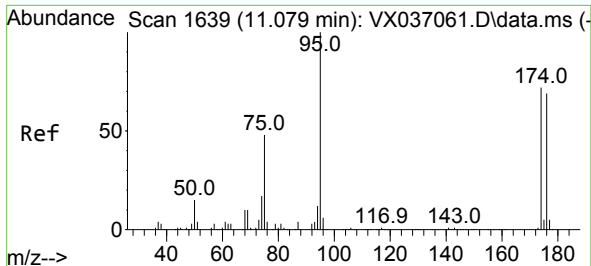
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
58 183.4 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.535 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 129 Resp: 897
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

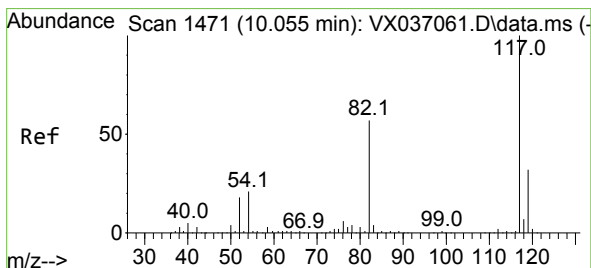
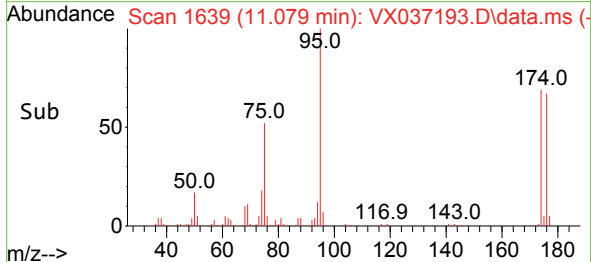
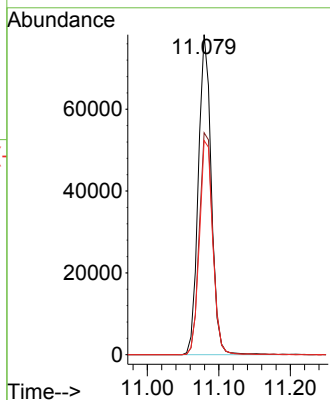
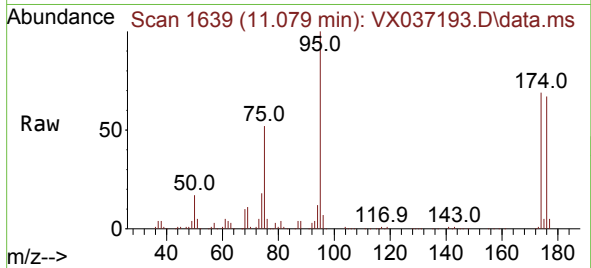




#62
4-Bromofluorobenzene
Concen: 47.873 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

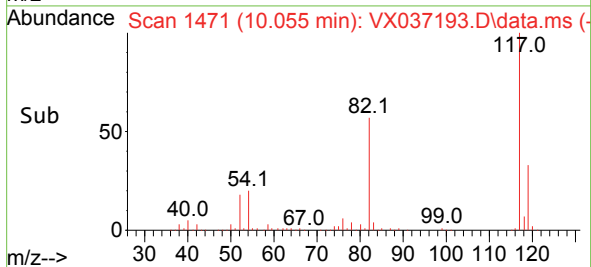
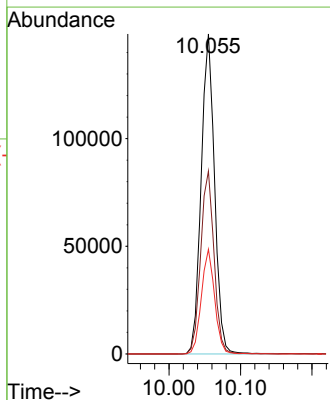
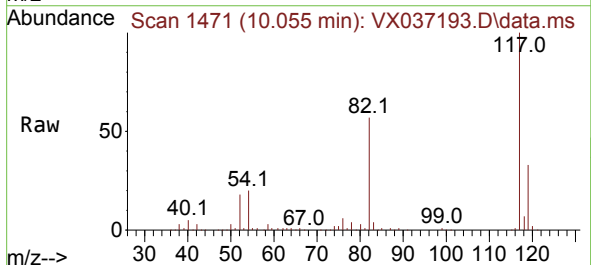
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

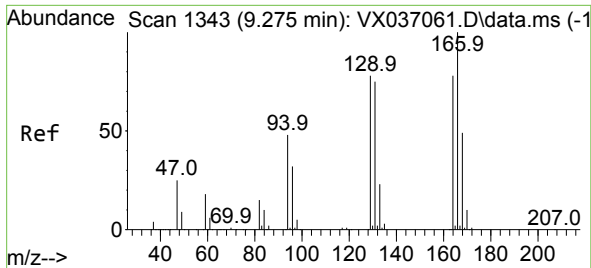
Tgt Ion: 95 Resp: 98109
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt Ion: 117 Resp: 193153
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.7 25.5 38.3

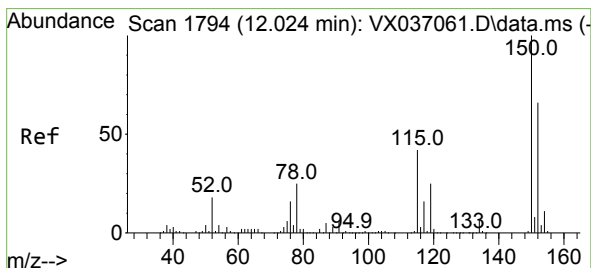
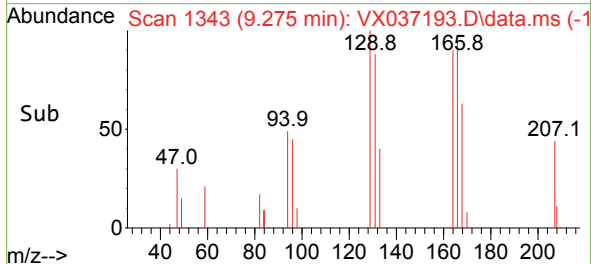
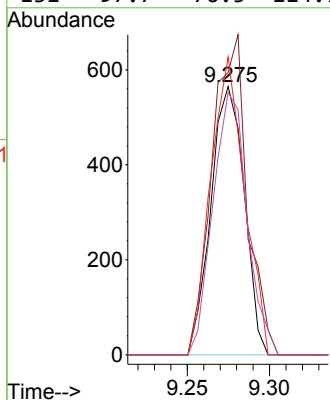
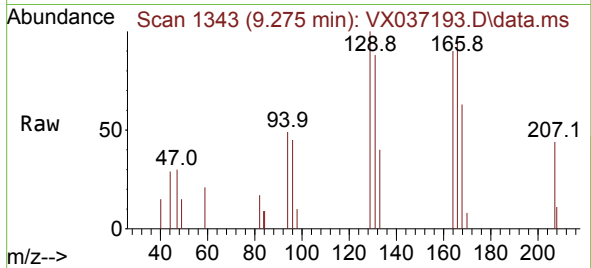




#64
Tetrachloroethene
Concen: 0.565 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

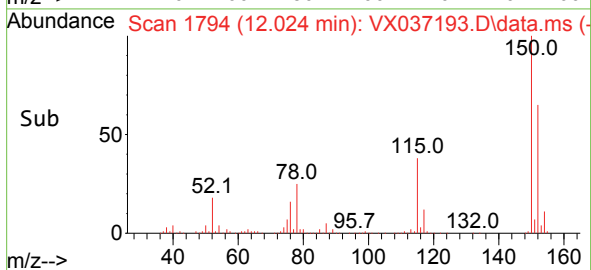
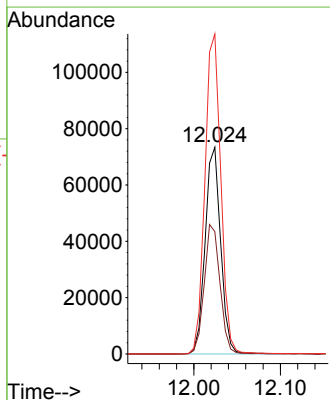
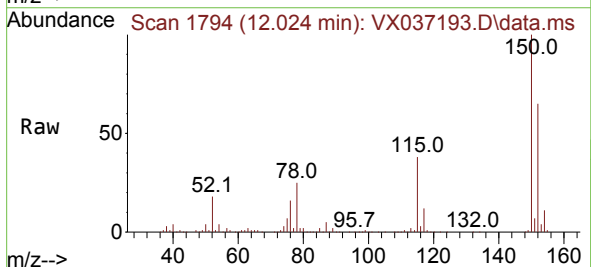
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20230816

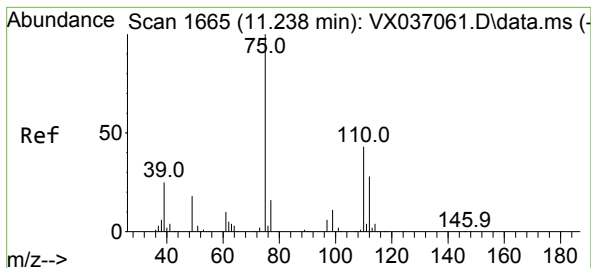
Tgt	Ion:164	Resp:	796
Ion	Ratio	Lower	Upper
164	100		
166	105.1	102.7	154.1
129	111.0	80.4	120.6
131	97.7	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037193.D
Acq: 23 Aug 2023 19:06

Tgt	Ion:152	Resp:	91541
Ion	Ratio	Lower	Upper
152	100		
115	63.6	43.3	129.9
150	158.8	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 25.644 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037193.D

Acq: 23 Aug 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

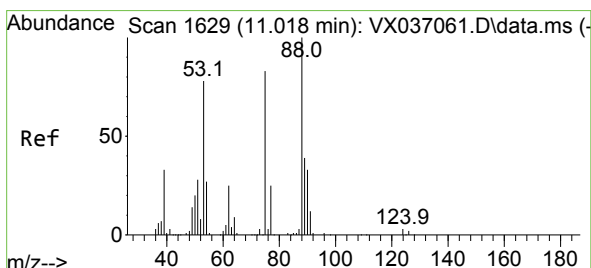
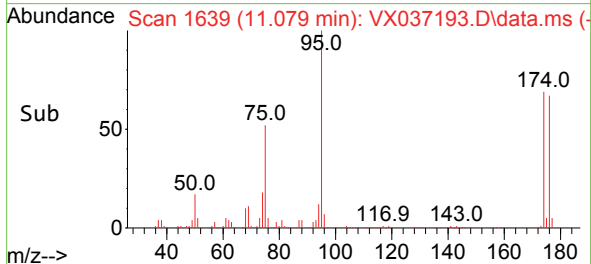
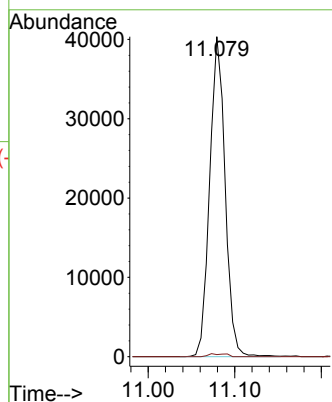
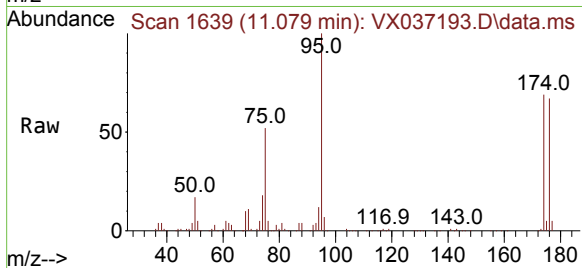
RE109D2-20230816

Tgt Ion: 75 Resp: 49994

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037193.D

Acq: 23 Aug 2023 19:06

Tgt Ion: 75 Resp: 49994

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

