

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037195.D
 Acq On : 23 Aug 2023 19:55
 Operator : JC/MD
 Sample : 04051-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230816

Quant Time: Aug 24 05:38:04 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

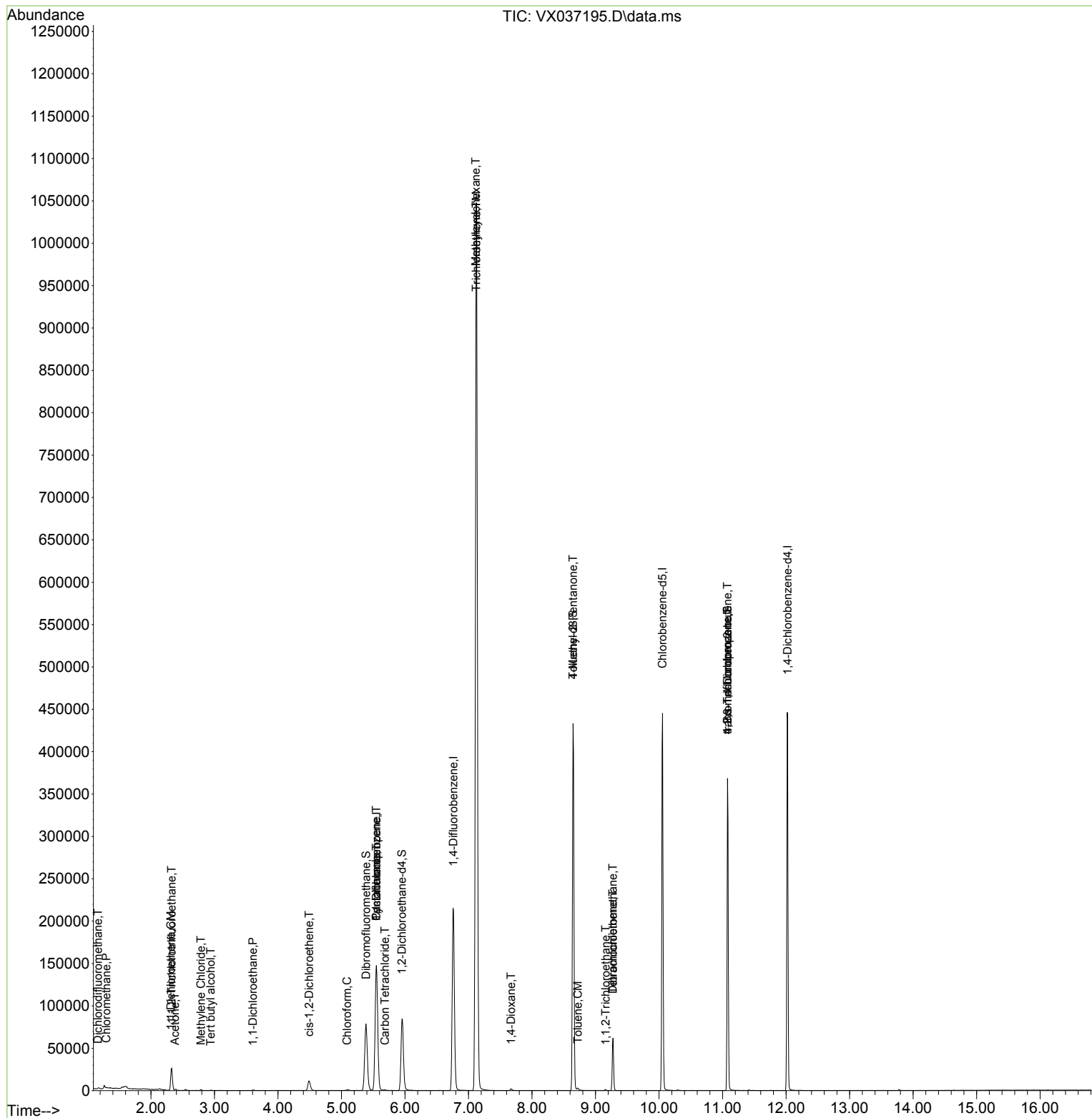
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	138253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228486	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86492	43.394	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.780%
35) Dibromofluoromethane	5.385	113	68267	45.114	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.220%
50) Toluene-d8	8.647	98	264889	48.258	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.520%
62) 4-Bromofluorobenzene	11.079	95	101380	46.998	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	420	0.262	ug/l	73
3) Chloromethane	1.294	50	325	0.231	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	8340	5.707	ug/l	99
11) Tert butyl alcohol	2.941	59	152	0.325	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	2676	1.880	ug/l	92
16) Acetone	2.380	43	655	0.840	ug/l #	85
20) Methylene Chloride	2.788	84	421	0.241	ug/l #	81
24) 1,1-Dichloroethane	3.605	63	973	0.343	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	7768	4.073	ug/l	81
30) Chloroform	5.086	83	1247	0.392	ug/l	86
31) Cyclohexane	5.550	56	2811	1.254	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11397	5.301	ug/l #	51
38) Carbon Tetrachloride	5.684	117	693	0.297	ug/l #	80
39) Methylcyclohexane	7.117	83	4915	2.176	ug/l #	1
44) Trichloroethene	7.123	130	410815	234.973	ug/l	98
49) 1,4-Dioxane	7.671	88	1890	41.273	ug/l #	68
51) 4-Methyl-2-Pentanone	8.647	43	991	0.468	ug/l #	1
52) Toluene	8.720	92	1108	0.272	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	379	0.228	ug/l #	78
60) Dibromochloromethane	9.275	129	11385	6.446	ug/l #	11
64) Tetrachloroethene	9.275	164	11029	7.396	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	51945	25.969	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51945	72.533	ug/l #	5

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

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RE125D2-20230816

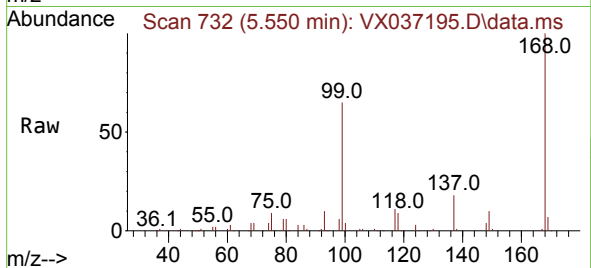
Quant Time: Aug 24 05:38:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
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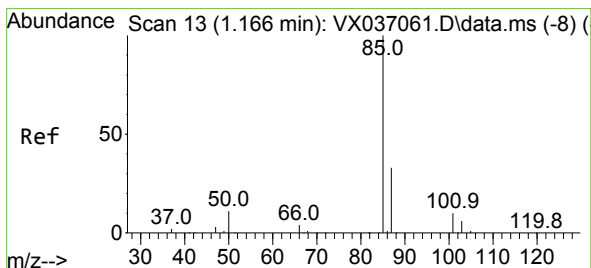
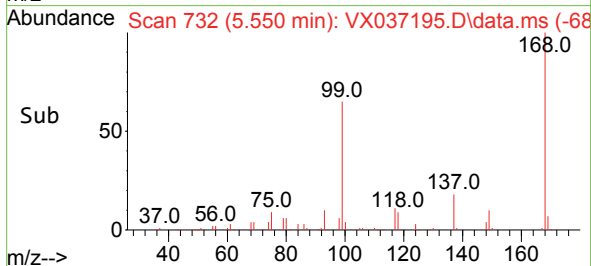
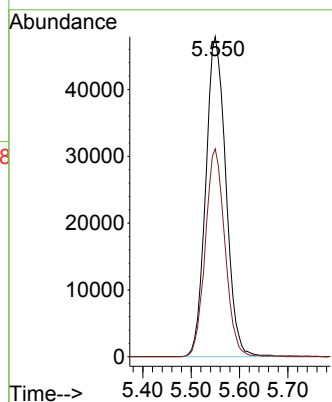


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Instrument :
MSVOA_X
ClientSampleId :
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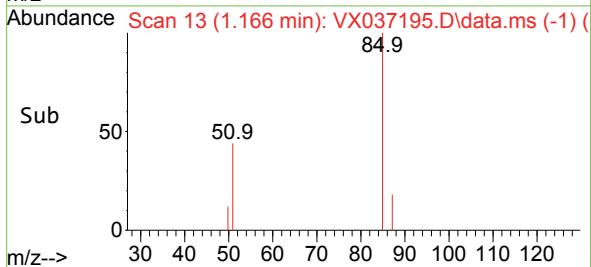
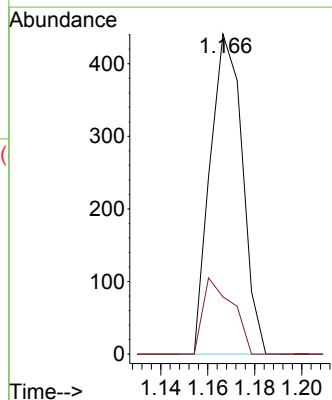
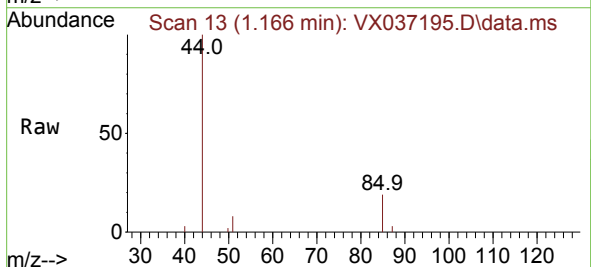


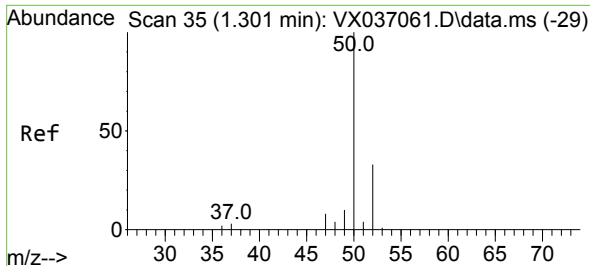
Tgt Ion:168 Resp: 138253
Ion Ratio Lower Upper
168 100
99 65.0 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.262 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

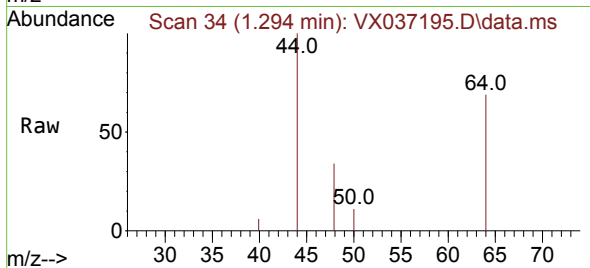
Tgt Ion: 85 Resp: 420
Ion Ratio Lower Upper
85 100
87 17.9 16.7 50.1



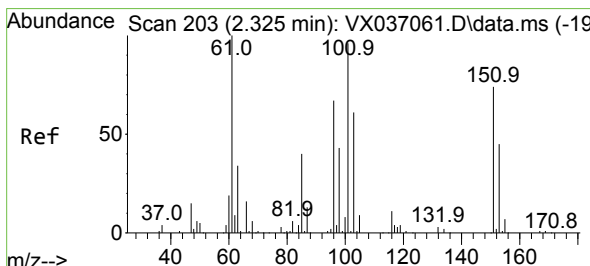
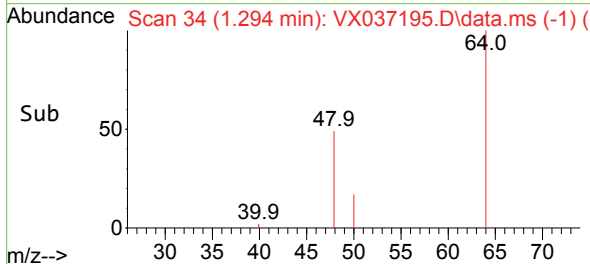
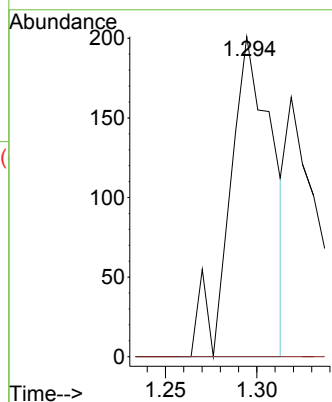


#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

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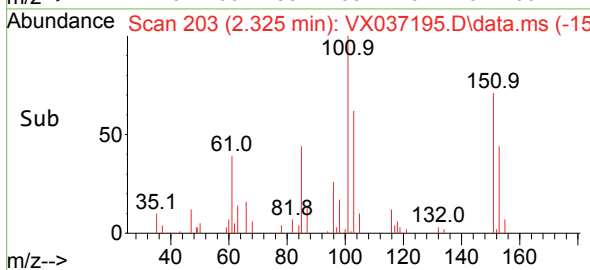
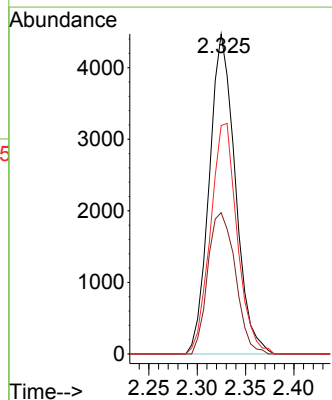
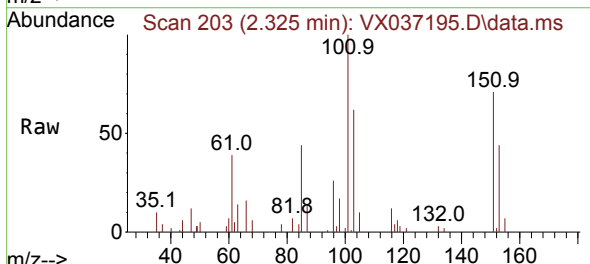


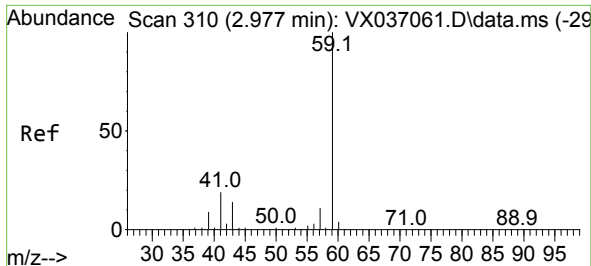
Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.707 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 101 Resp: 8340
Ion Ratio Lower Upper
101 100
85 46.9 37.0 55.6
151 74.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.325 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX037195.D

Acq: 23 Aug 2023 19:55

Instrument :

MSVOA_X

ClientSampleId :

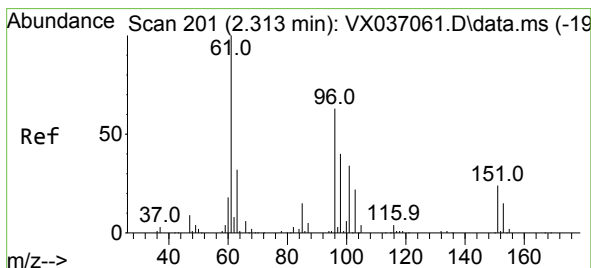
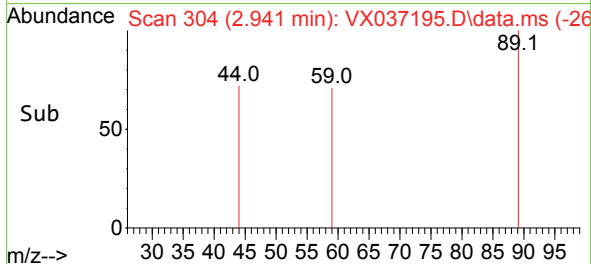
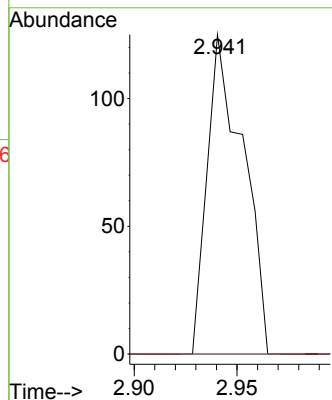
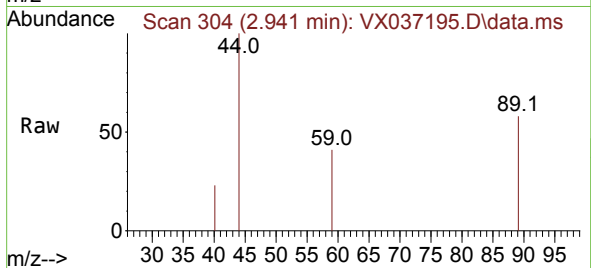
RE125D2-20230816

Tgt Ion: 59 Resp: 152

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 1.880 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX037195.D

Acq: 23 Aug 2023 19:55

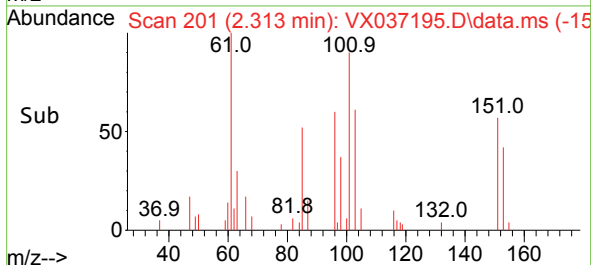
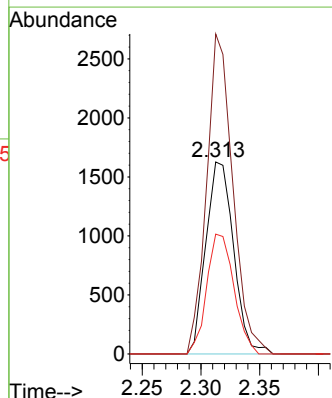
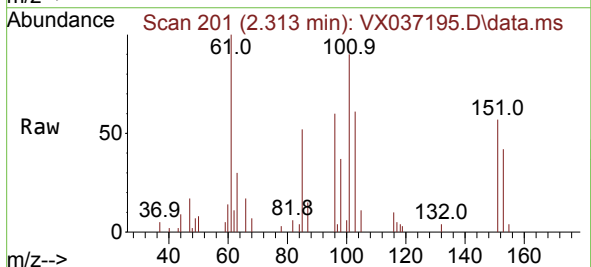
Tgt Ion: 96 Resp: 2676

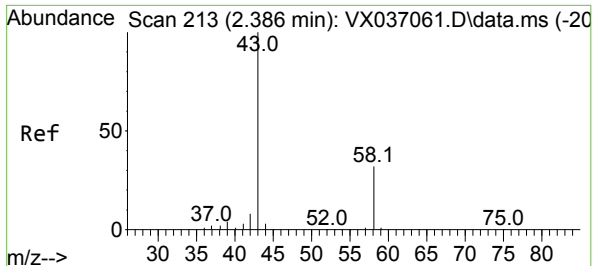
Ion Ratio Lower Upper

96 100

61 166.6 144.6 216.8

98 62.4 50.4 75.6

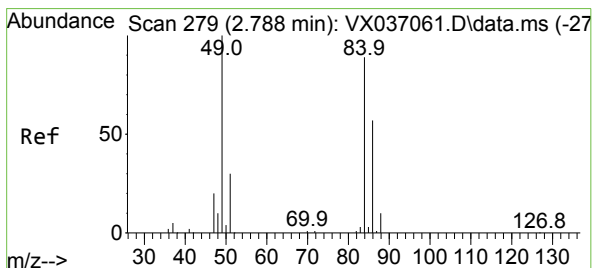
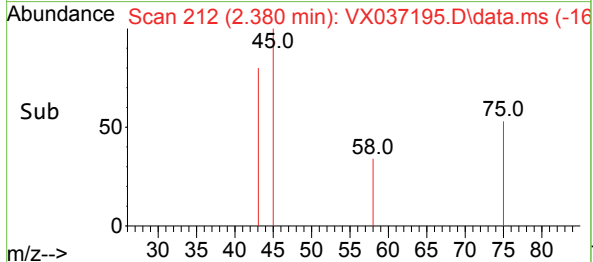
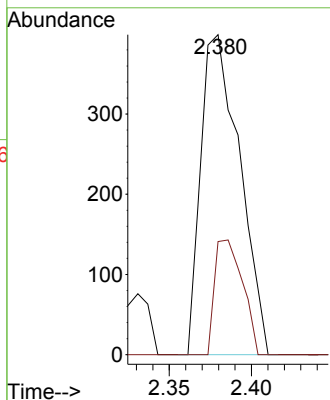
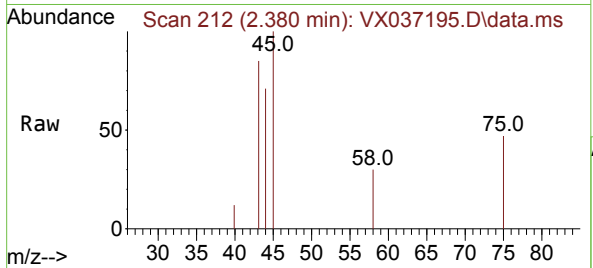




#16
Acetone
Concen: 0.840 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

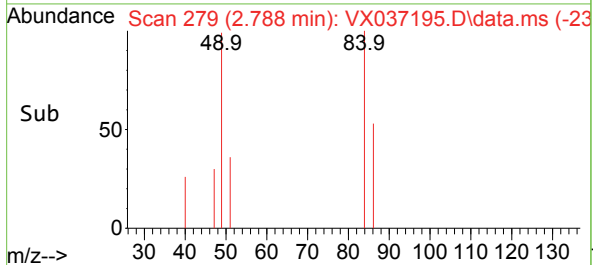
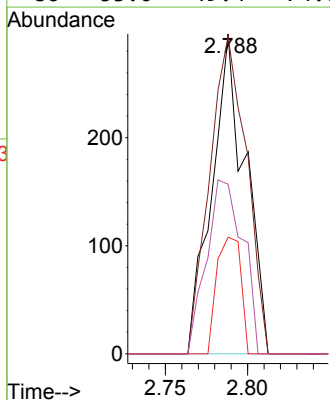
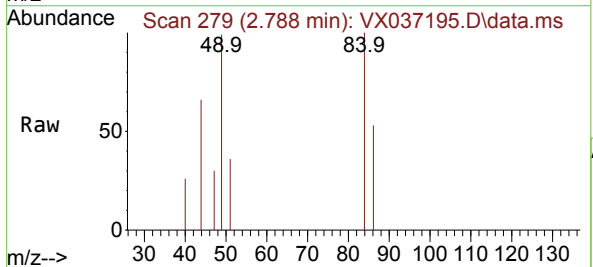
Instrument :
MSVOA_X
ClientSampleId :
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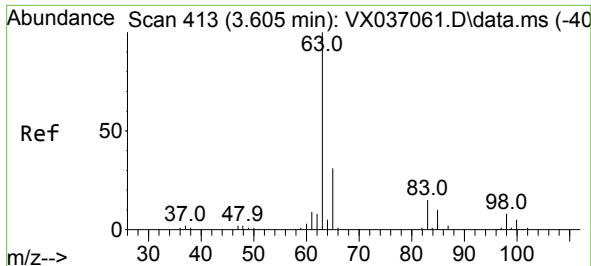
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
58 35.3 21.9 32.9#



#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 84 Resp: 421
Ion Ratio Lower Upper
84 100
49 99.3 103.6 155.4#
51 36.5 33.8 50.6
86 53.0 49.4 74.0

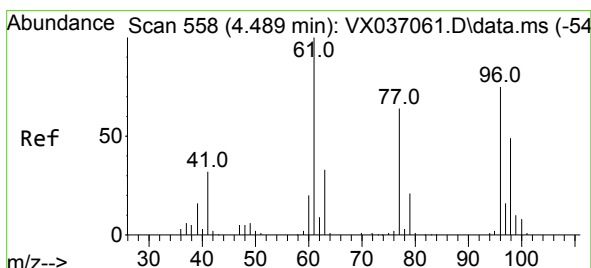
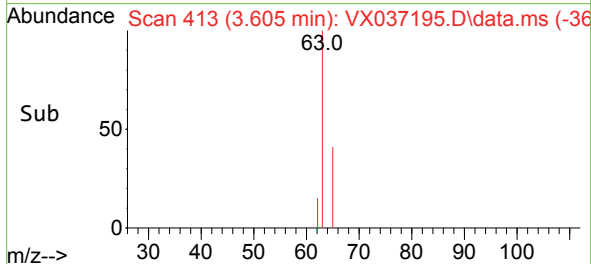
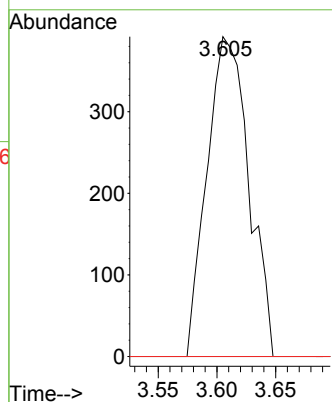
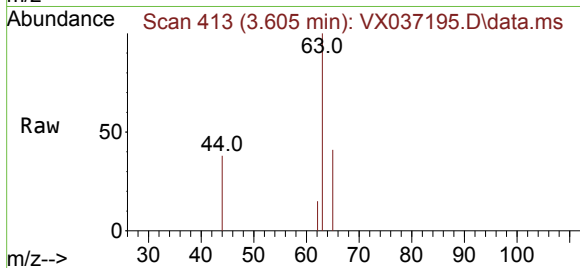




#24
 1,1-Dichloroethane
 Concen: 0.343 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX037195.D
 Acq: 23 Aug 2023 19:55

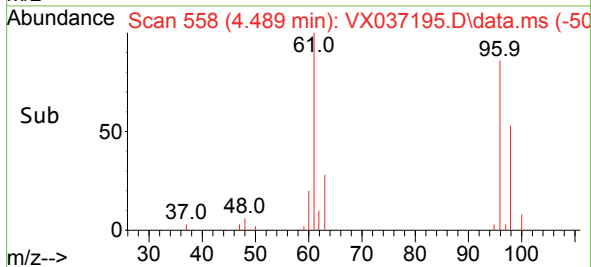
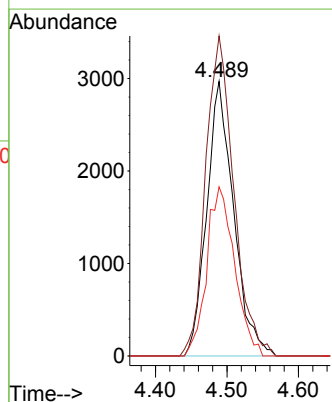
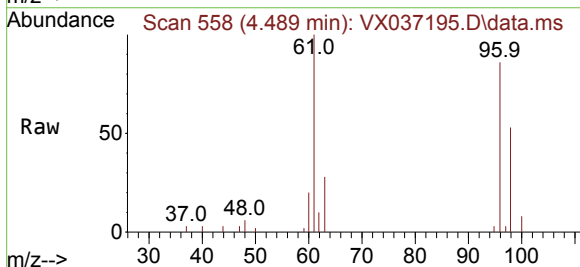
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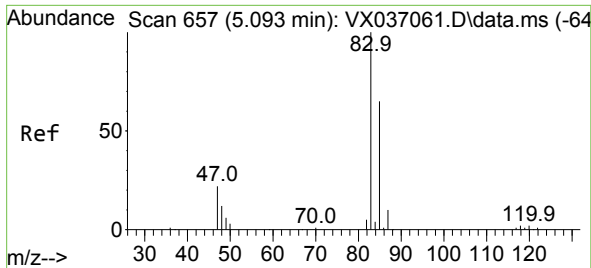
Tgt Ion: 63 Resp: 973
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 4.073 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX037195.D
 Acq: 23 Aug 2023 19:55

Tgt Ion: 96 Resp: 7768
 Ion Ratio Lower Upper
 96 100
 61 121.4 0.0 312.2
 98 63.6 0.0 129.0

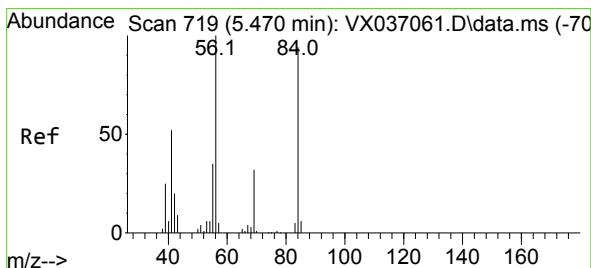
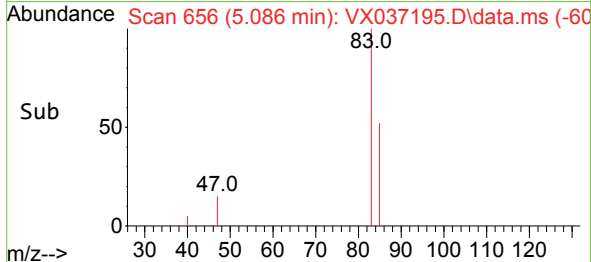
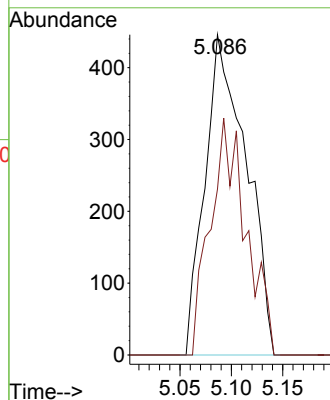
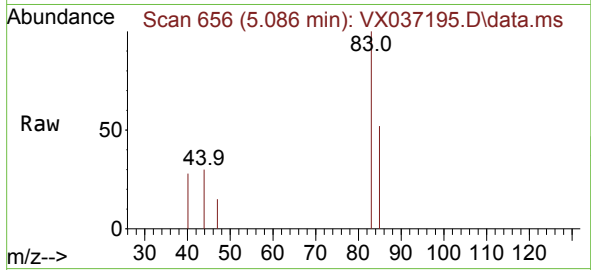




#30
Chloroform
Concen: 0.392 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

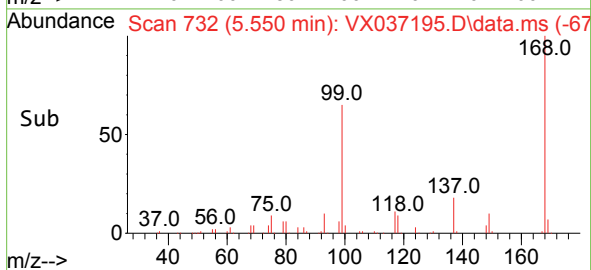
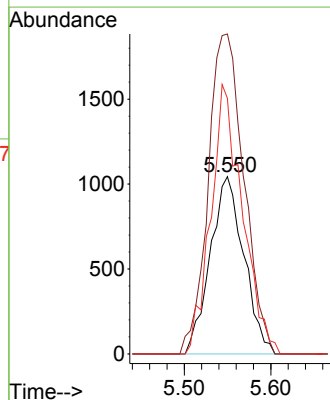
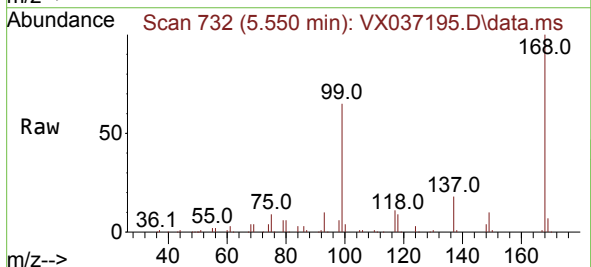
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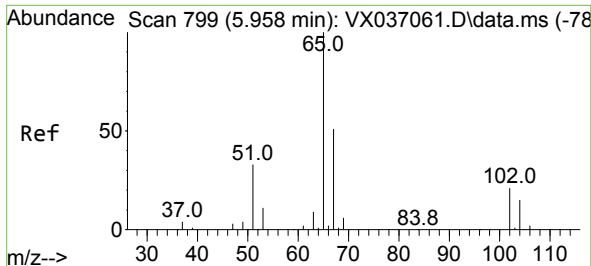
Tgt Ion: 83 Resp: 1247
Ion Ratio Lower Upper
83 100
85 51.8 50.3 75.5



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 56 Resp: 2811
Ion Ratio Lower Upper
56 100
69 180.5 23.4 35.2#
84 144.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.394 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037195.D

Acq: 23 Aug 2023 19:55

Instrument :

MSVOA_X

ClientSampleId :

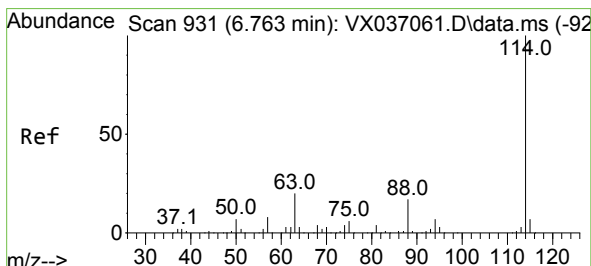
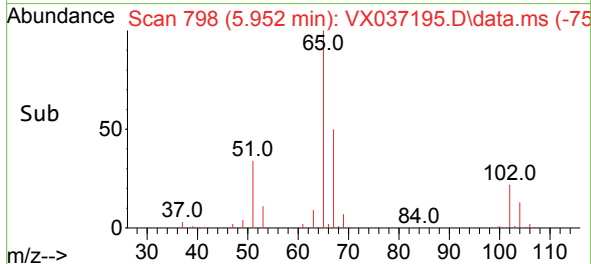
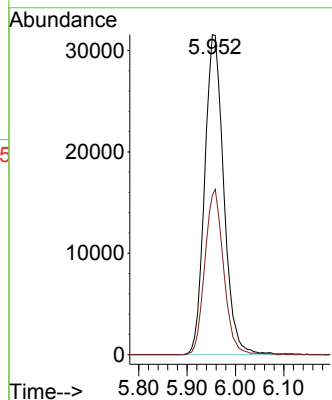
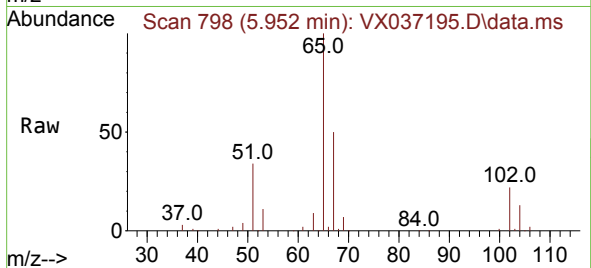
RE125D2-20230816

Tgt Ion: 65 Resp: 86492

Ion Ratio Lower Upper

65 100

67 50.7 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: VX037195.D

Acq: 23 Aug 2023 19:55

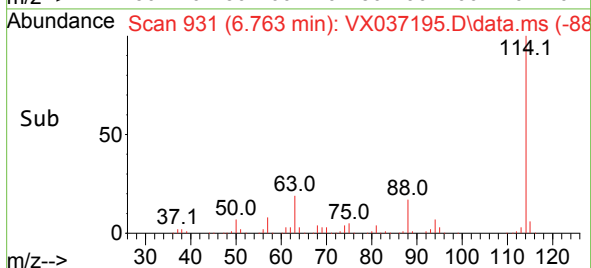
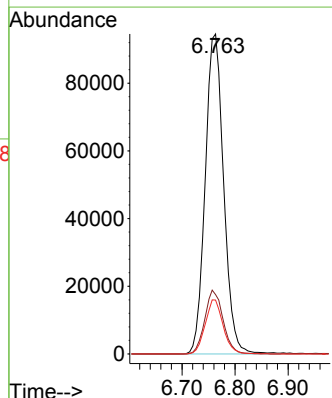
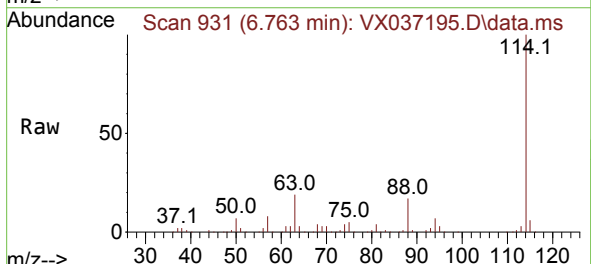
Tgt Ion: 114 Resp: 228486

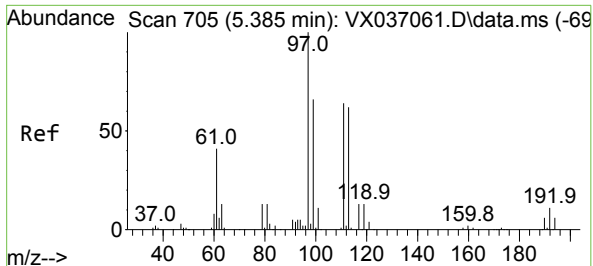
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

88 16.9 0.0 36.6

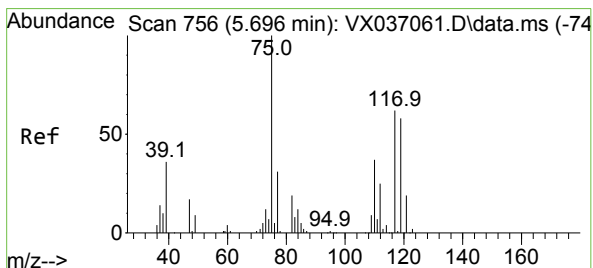
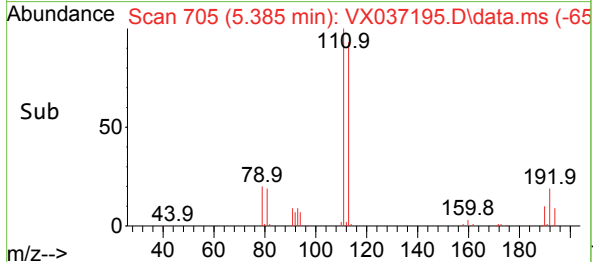
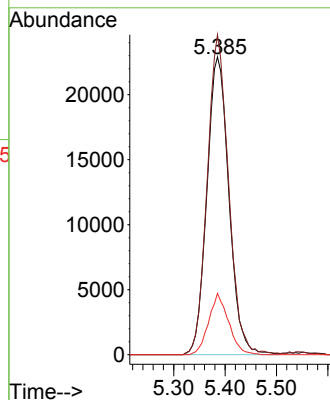
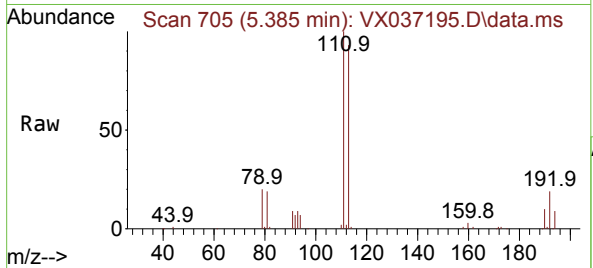




#35
Dibromofluoromethane
Concen: 45.114 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

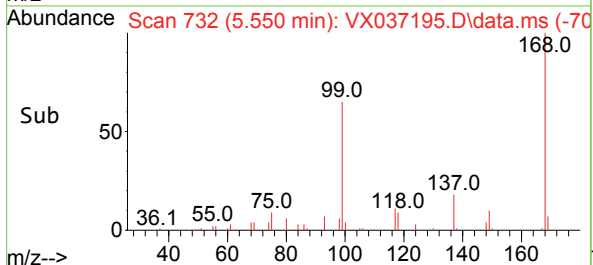
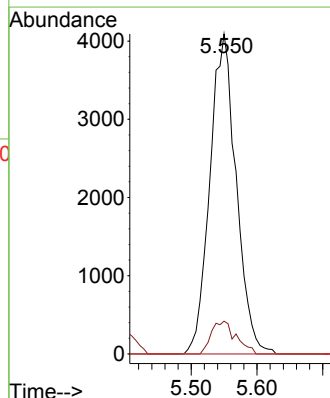
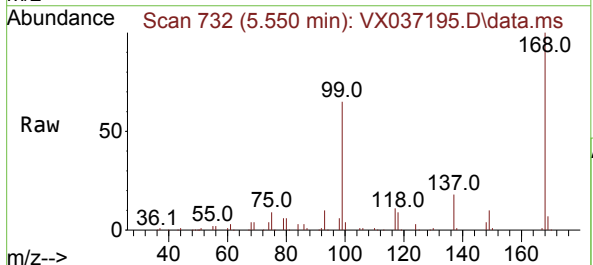
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

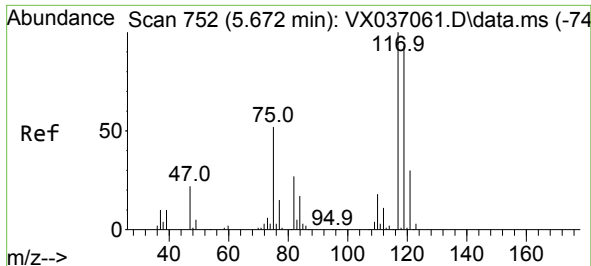
Tgt Ion:	113	Resp:	68267
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.9	124.3
192	18.6	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.301 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion:	75	Resp:	11397
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.7	37.1#

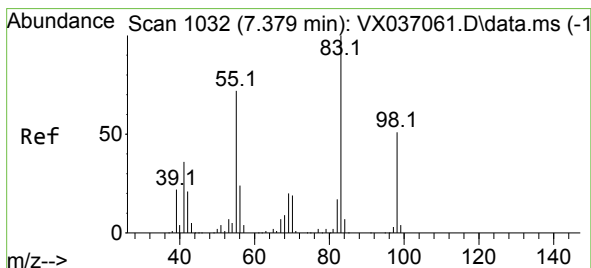
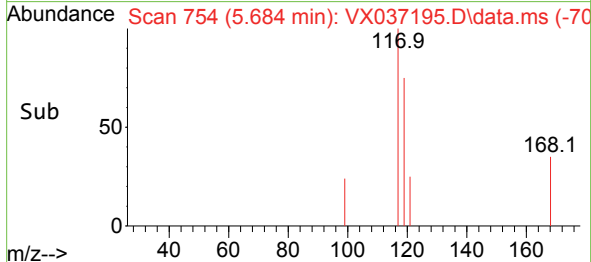
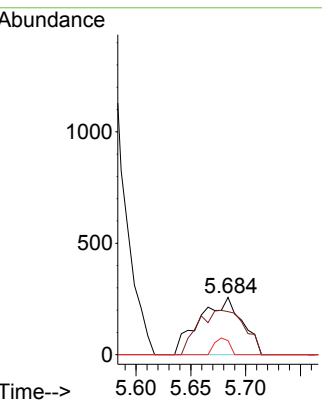
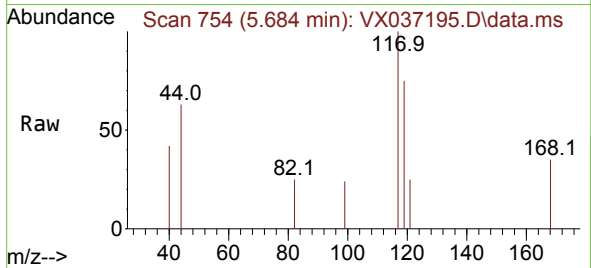




#38
Carbon Tetrachloride
Concen: 0.297 ug/l
RT: 5.684 min Scan# 711
Delta R.T. 0.012 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

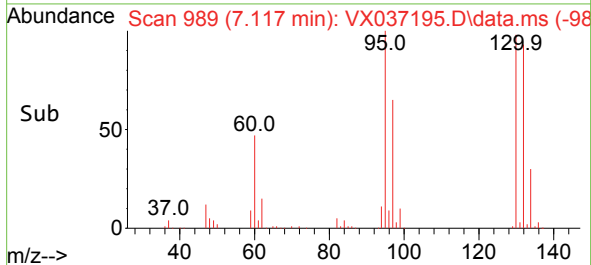
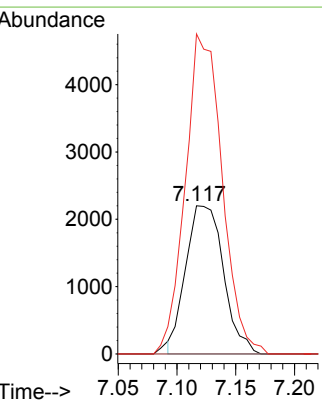
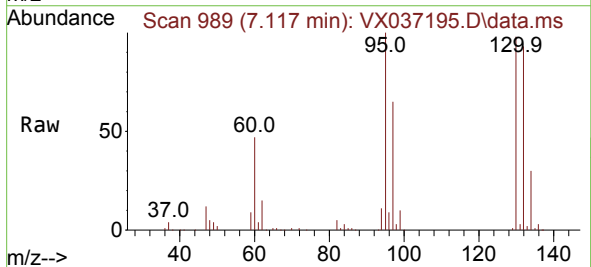
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

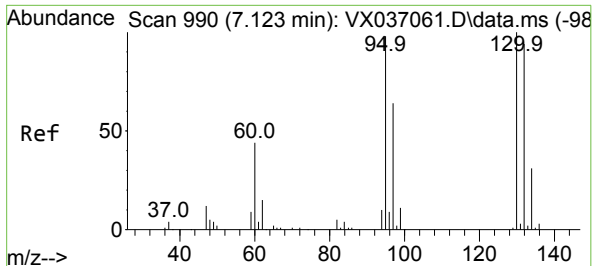
Tgt Ion:117 Resp: 693
Ion Ratio Lower Upper
117 100
119 75.1 78.2 117.2#
121 24.5 24.4 36.6



#39
Methylcyclohexane
Concen: 2.176 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 83 Resp: 4915
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 215.9 36.7 55.1#

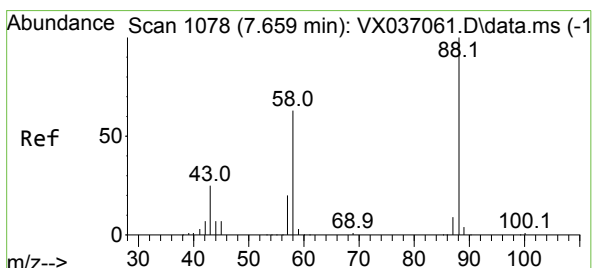
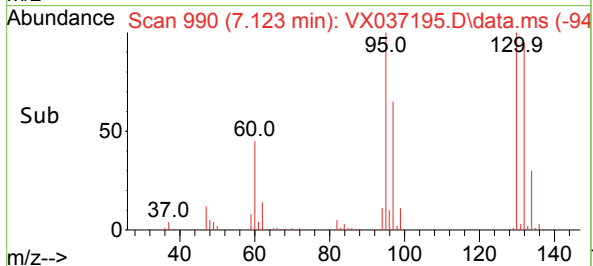
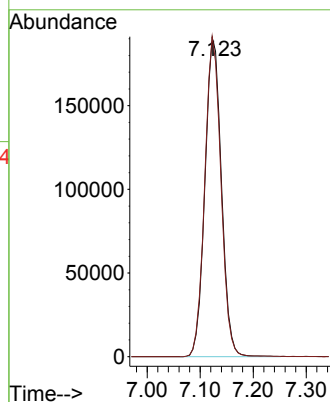
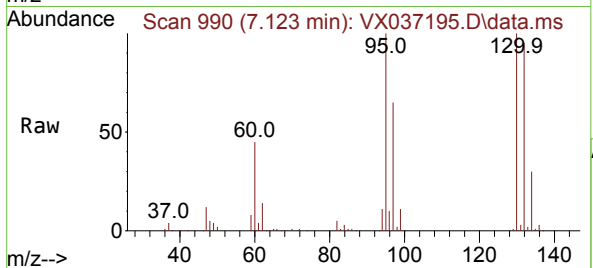




#44
Trichloroethene
Concen: 234.973 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

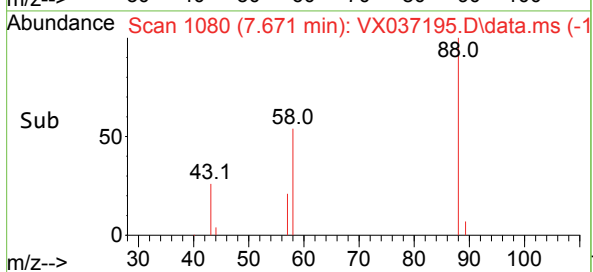
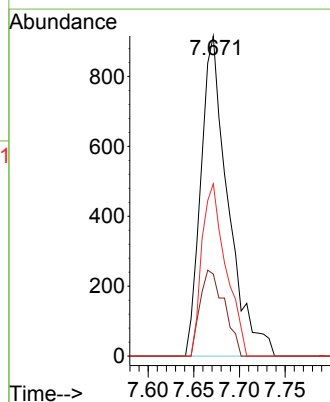
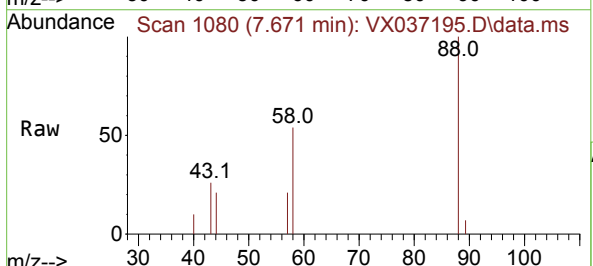
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

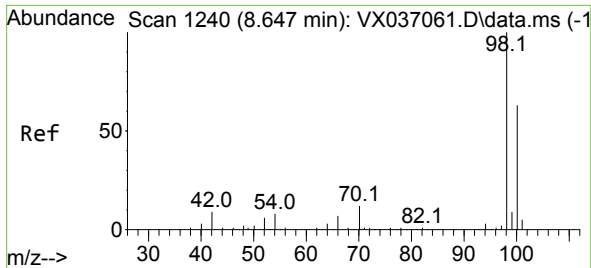
Tgt Ion:130 Resp: 410815
Ion Ratio Lower Upper
130 100
95 100.2 0.0 204.4



#49
1,4-Dioxane
Concen: 41.273 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 88 Resp: 1890
Ion Ratio Lower Upper
88 100
43 24.0 0.0 0.0#
58 47.5 60.1 90.1#

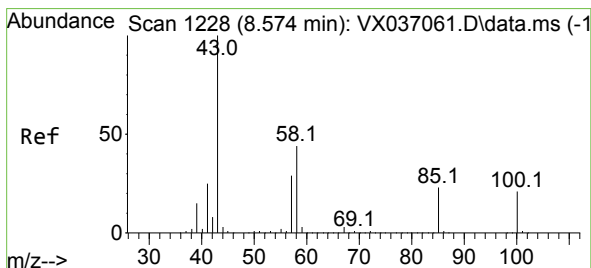
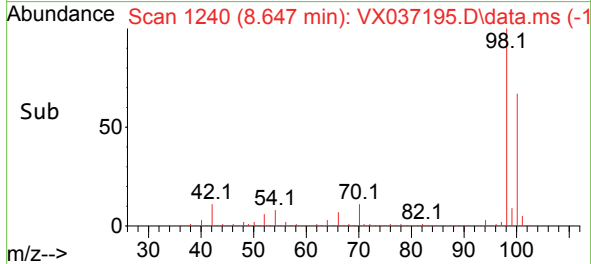
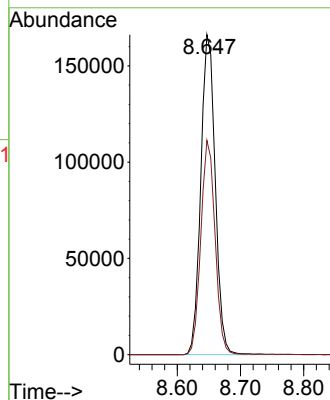
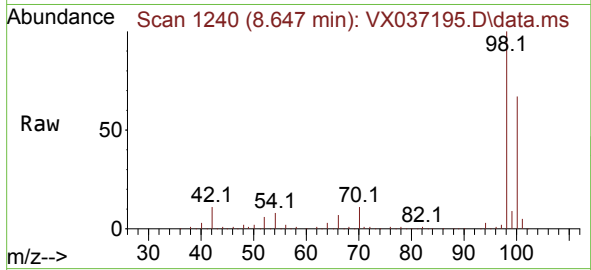




#50
Toluene-d8
Concen: 48.258 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

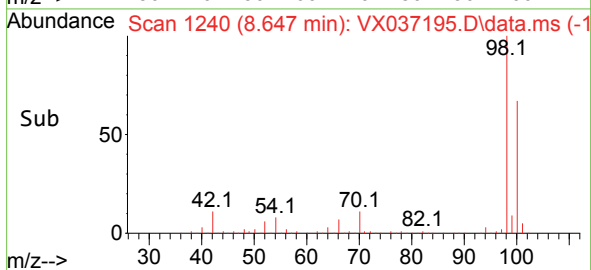
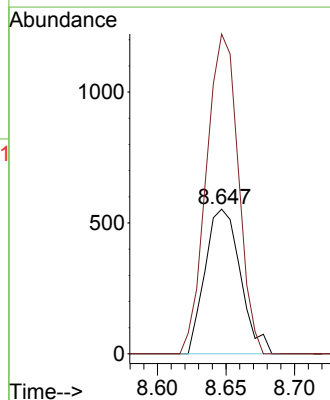
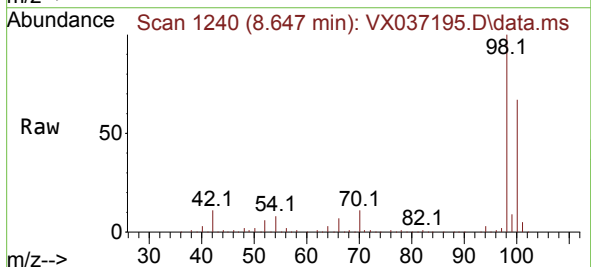
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

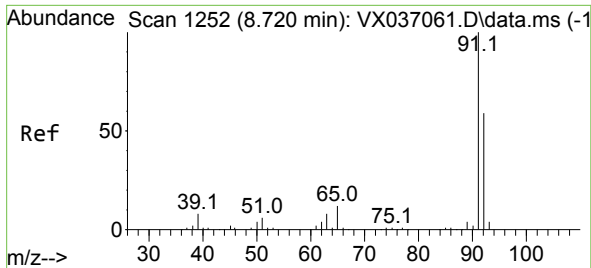
Tgt Ion: 98 Resp: 264889
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
58 199.9 30.4 45.6#

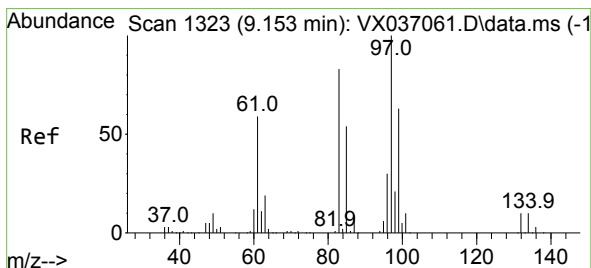
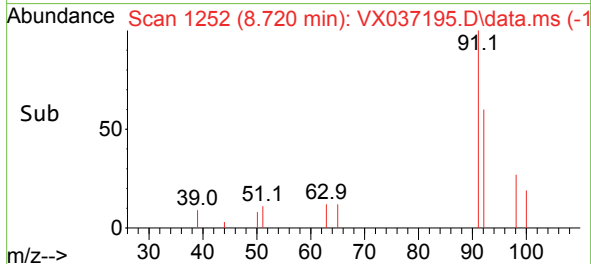
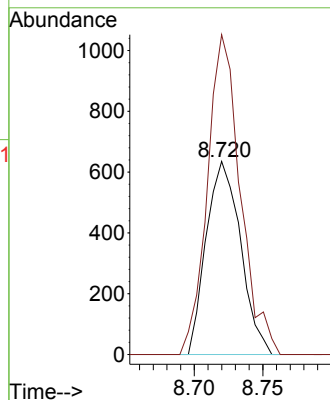
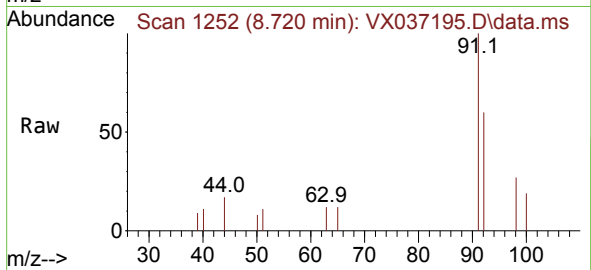




#52
Toluene
Concen: 0.272 ug/l
RT: 8.720 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

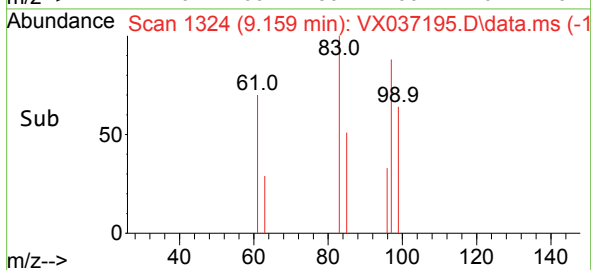
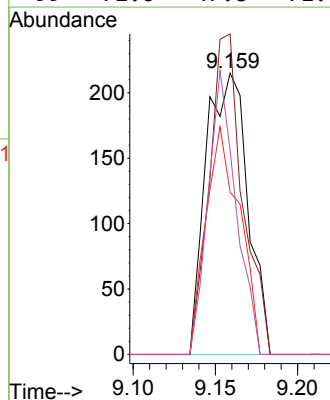
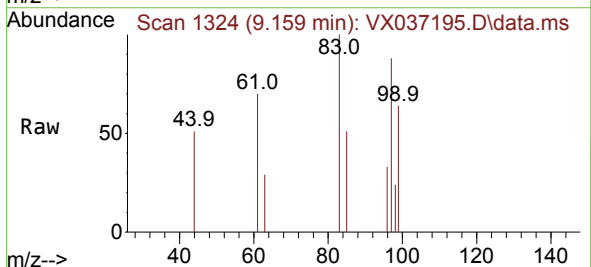
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

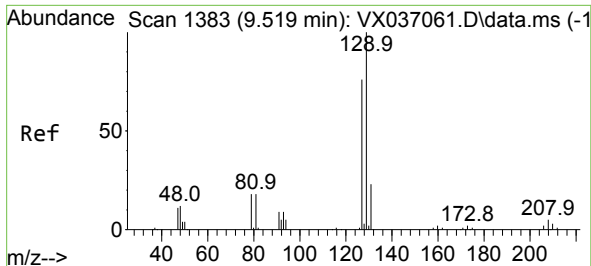
Tgt Ion: 92 Resp: 1108
Ion Ratio Lower Upper
92 100
91 159.0 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 0.228 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 97 Resp: 379
Ion Ratio Lower Upper
97 100
83 114.0 65.8 98.8#
85 57.7 41.6 62.4
99 72.6 47.8 71.8#

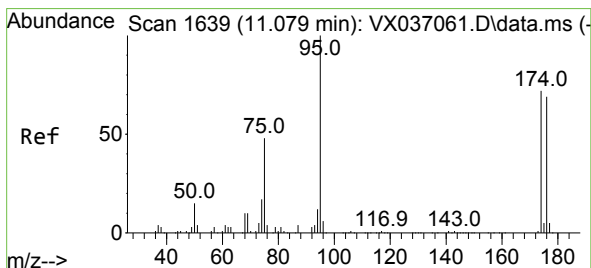
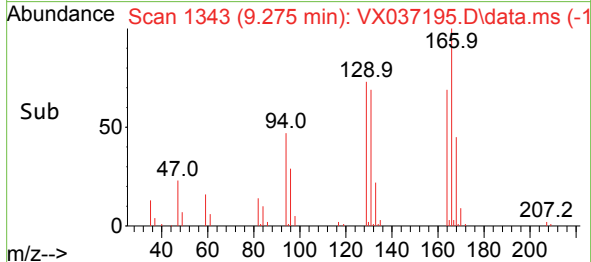
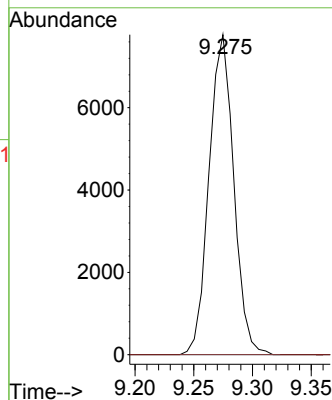
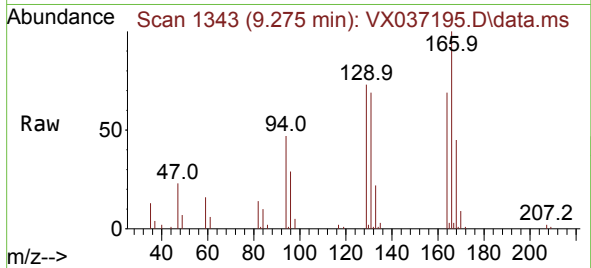




#60
Dibromochloromethane
Concen: 6.446 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

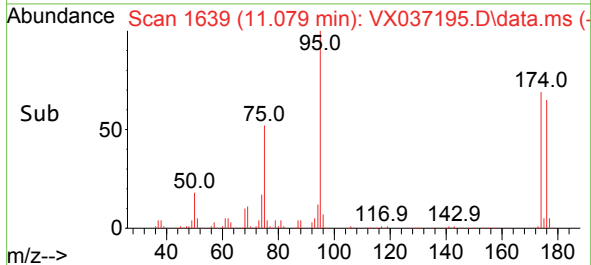
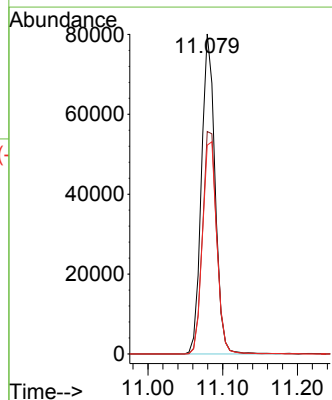
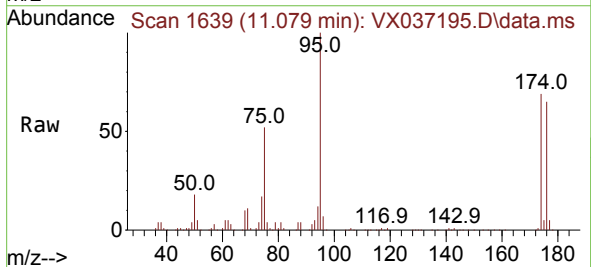
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

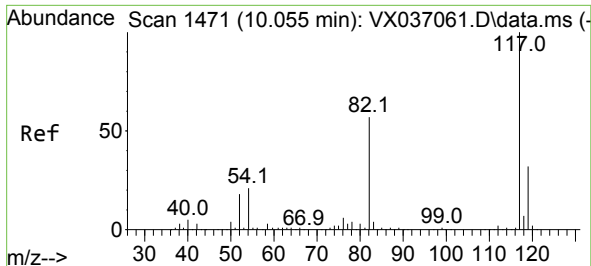
Tgt Ion:129 Resp: 11385
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 95 Resp: 101380
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 69.9 0.0 131.0

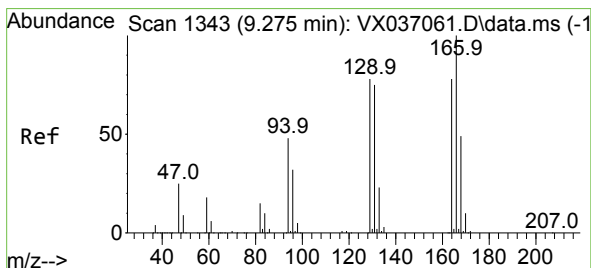
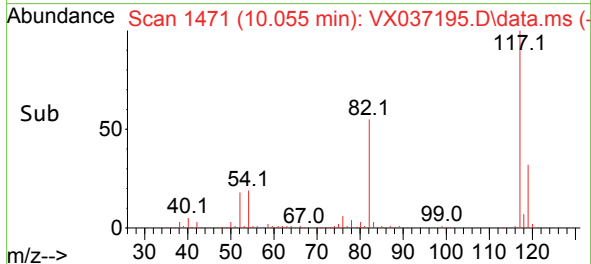
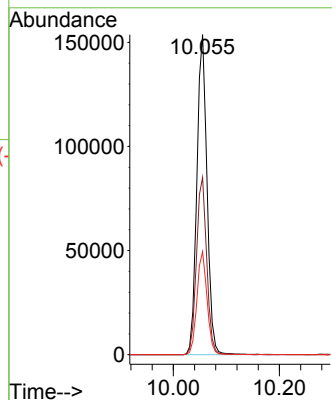
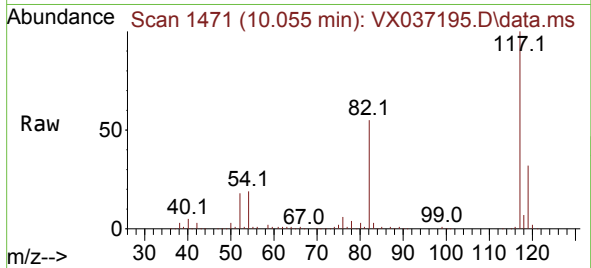




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

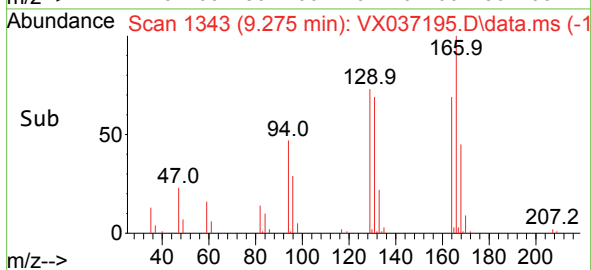
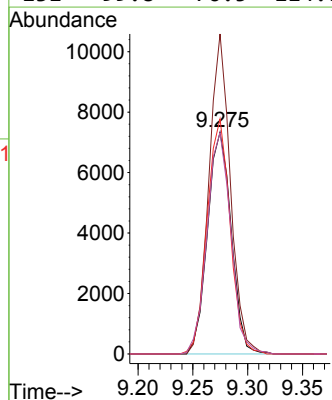
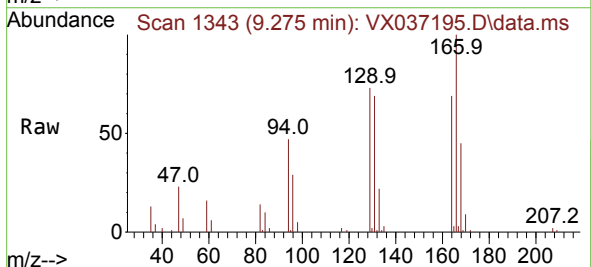
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

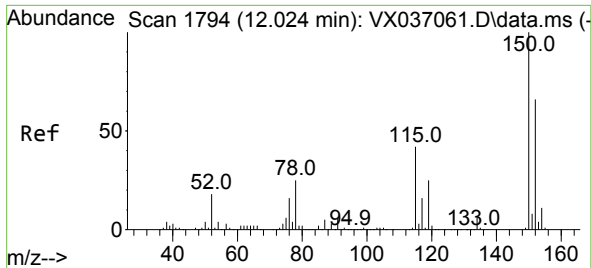
Tgt Ion:117 Resp: 204400
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 7.396 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion:164 Resp: 11029
Ion Ratio Lower Upper
164 100
166 144.3 102.7 154.1
129 106.0 80.4 120.6
131 99.8 76.5 114.7

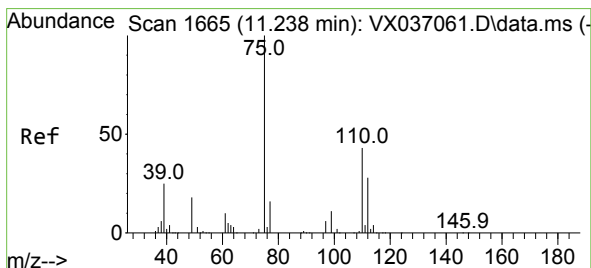
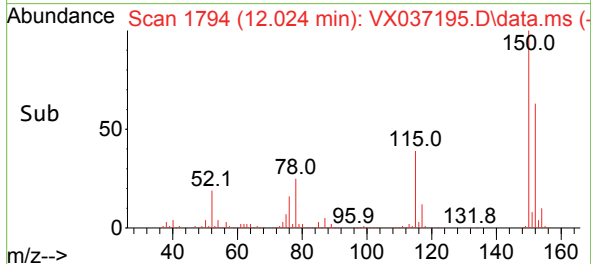
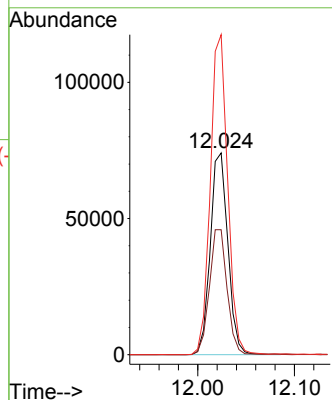
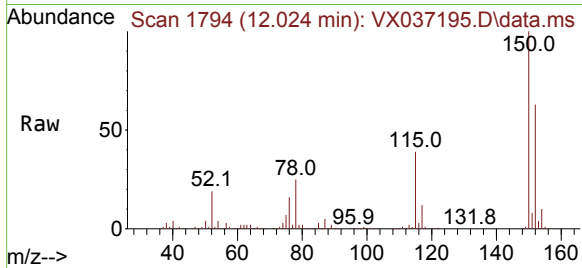




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

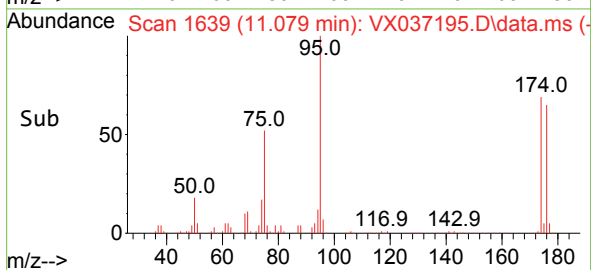
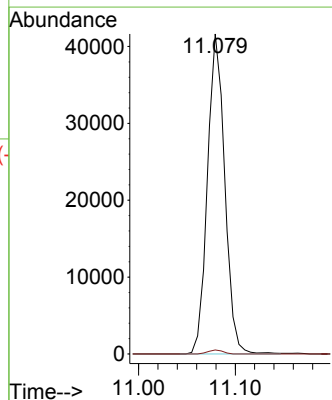
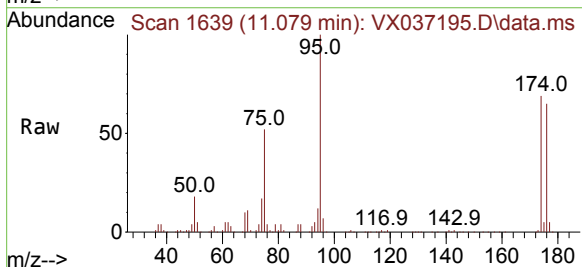
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816

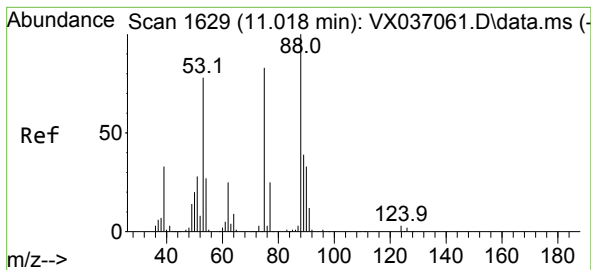
Tgt Ion:152 Resp: 93923
Ion Ratio Lower Upper
152 100
115 62.5 43.3 129.9
150 156.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.969 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037195.D
Acq: 23 Aug 2023 19:55

Tgt Ion: 75 Resp: 51945
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.533 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037195.D
 Acq: 23 Aug 2023 19:55

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230816

Tgt Ion: 75 Resp: 51945
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

