

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037116.D
 Acq On : 19 Aug 2023 07:58
 Operator : JC/MD
 Sample : 04025-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230814

Quant Time: Aug 21 01:44:20 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)

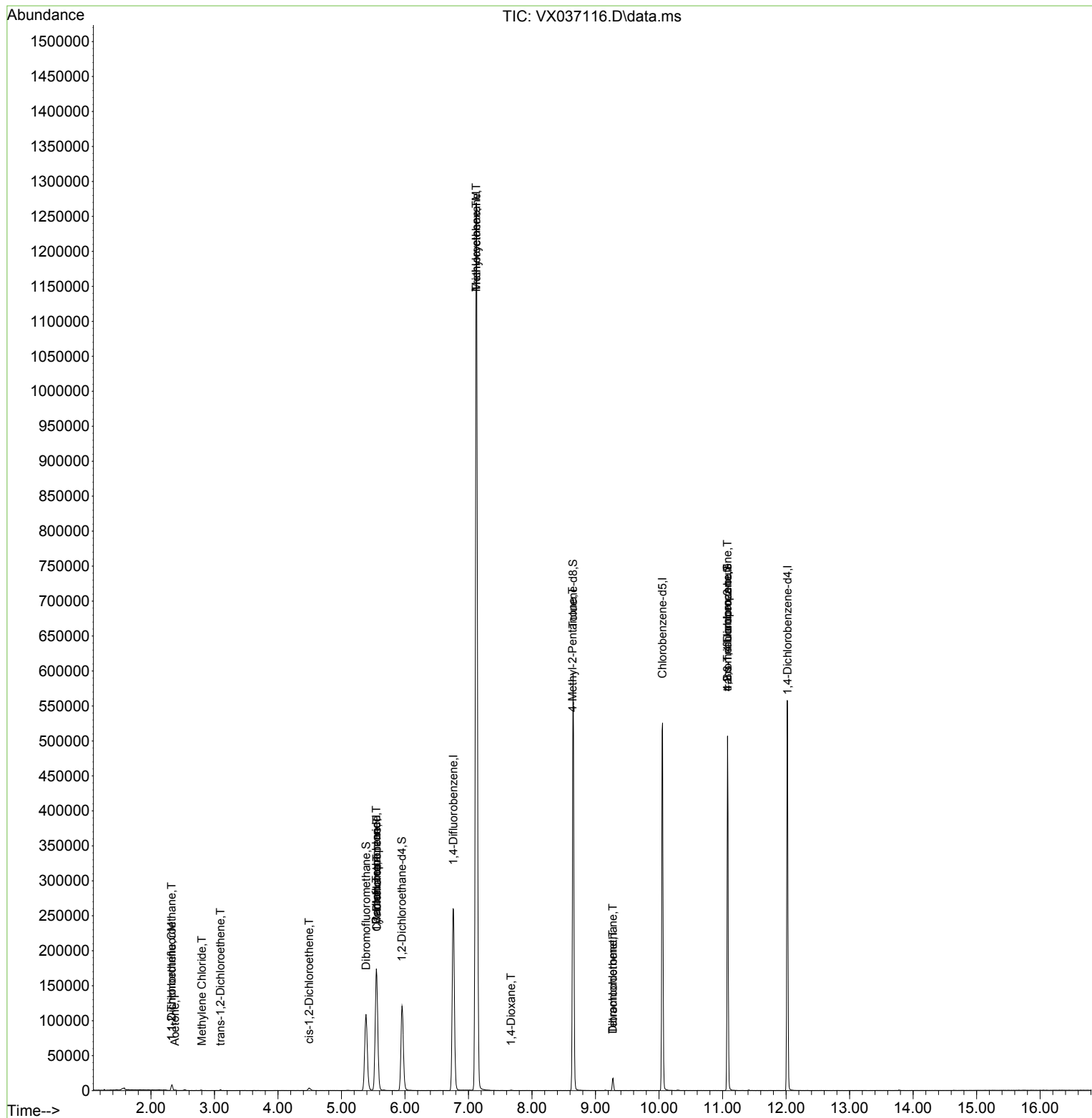
Internal Standards						
1) Pentafluorobenzene	5.550	168	159801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	279307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	122379	53.120	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.240%		
35) Dibromofluoromethane	5.385	113	96291	52.055	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.120%		
50) Toluene-d8	8.647	98	349424	52.076	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 104.160%		
62) 4-Bromofluorobenzene	11.079	95	130425	49.462	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.920%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	2895	1.714	ug/l	95
12) 1,1-Dichloroethene	2.325	96	635	0.386	ug/l #	54
16) Acetone	2.380	43	711	0.789	ug/l	92
20) Methylene Chloride	2.800	84	455	0.226	ug/l #	48
21) trans-1,2-Dichloroethene	3.093	96	394	0.211	ug/l #	65
27) cis-1,2-Dichloroethene	4.489	96	2495	1.132	ug/l	82
31) Cyclohexane	5.556	56	3370	1.301	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	12803	4.872	ug/l #	51
38) Carbon Tetrachloride	5.550	117	17178	6.017	ug/l #	17
39) Methylcyclohexane	7.123	83	5875	2.128	ug/l #	1
44) Trichloroethene	7.123	130	492012	230.211	ug/l	99
49) 1,4-Dioxane	7.671	88	520	9.289	ug/l #	84
51) 4-Methyl-2-Pentanone	8.641	43	1480	0.572	ug/l #	1
60) Dibromochloromethane	9.275	129	3352	1.553	ug/l #	11
64) Tetrachloroethene	9.275	164	3192	1.778	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	67385	28.249	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67385	78.902	ug/l #	5

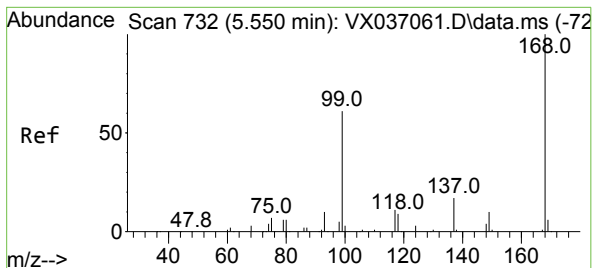
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 732

Delta R.T. -0.000 min

Lab File: VX037116.D

Acq: 19 Aug 2023 07:58

Instrument :

MSVOA_X

ClientSampleId :

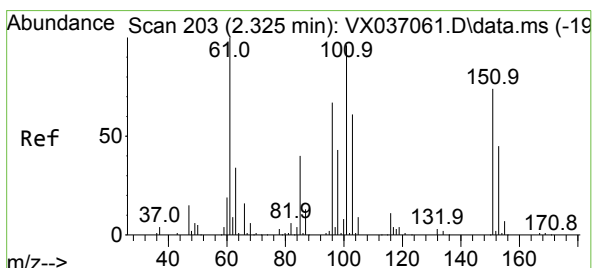
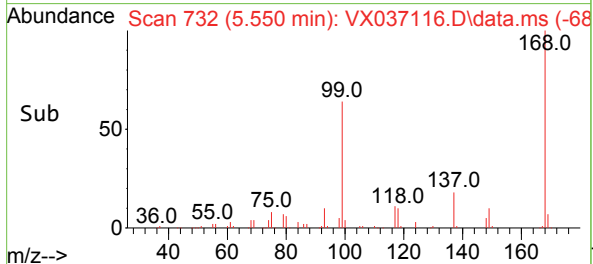
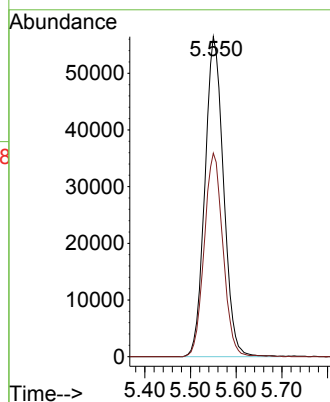
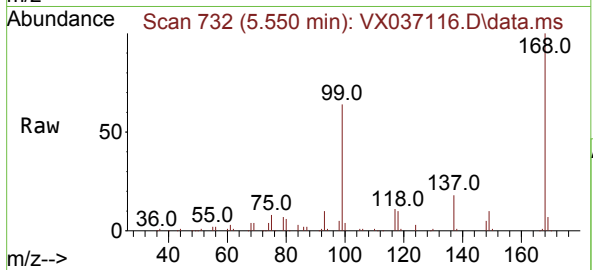
RE122D1-20230814

Tgt Ion:168 Resp: 159801

Ion Ratio Lower Upper

168 100

99 63.6 56.6 85.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.714 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX037116.D

Acq: 19 Aug 2023 07:58

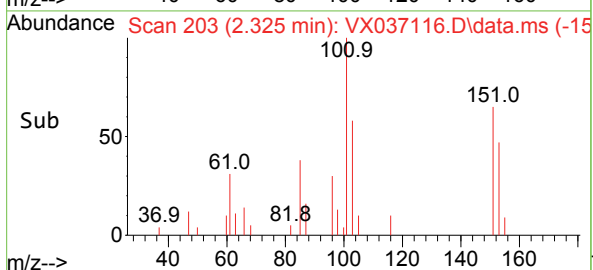
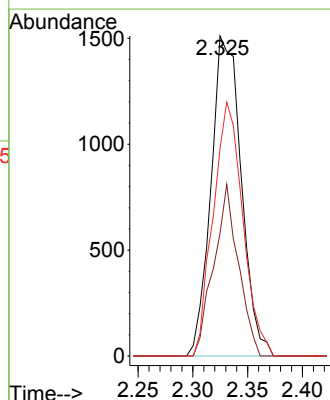
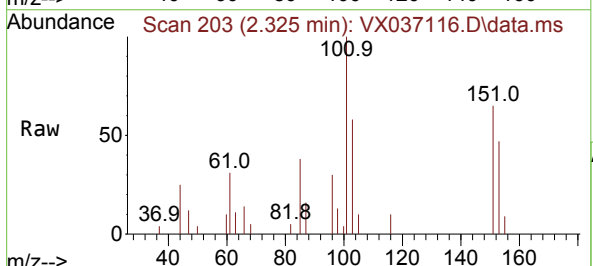
Tgt Ion:101 Resp: 2895

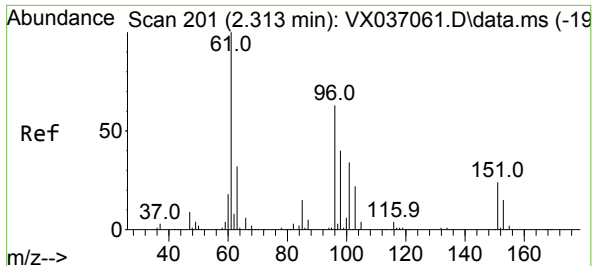
Ion Ratio Lower Upper

101 100

85 43.7 37.0 55.6

151 77.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.386 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX037116.D

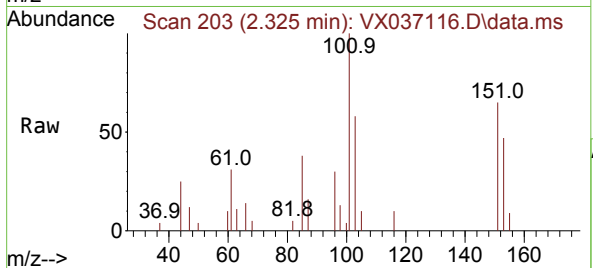
Acq: 19 Aug 2023 07:58

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230814



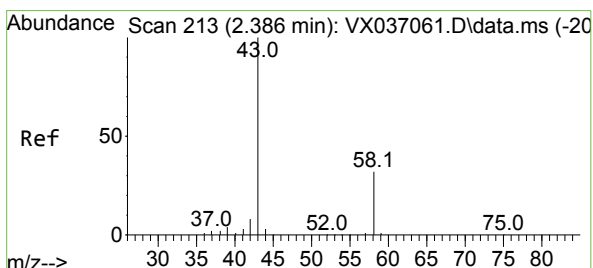
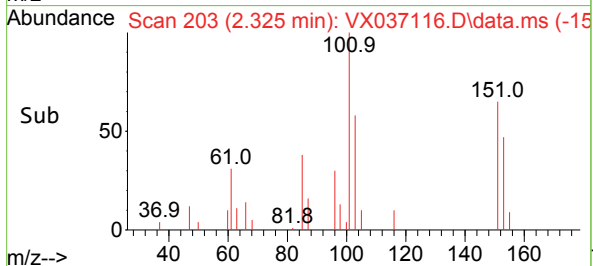
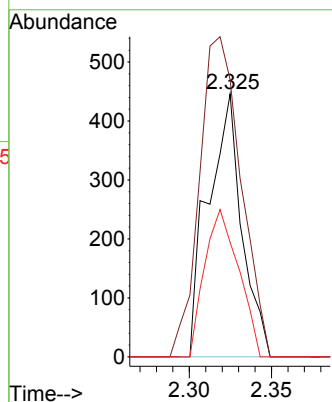
Tgt Ion: 96 Resp: 635

Ion Ratio Lower Upper

96 100

61 105.4 144.6 216.8#

98 43.5 50.4 75.6#



#16

Acetone

Concen: 0.789 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037116.D

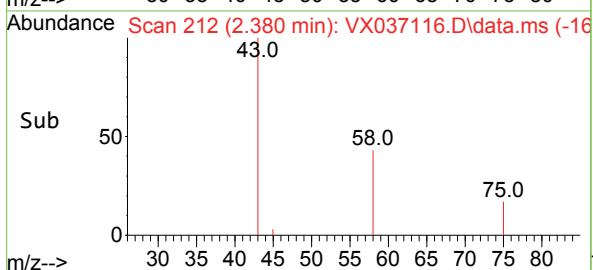
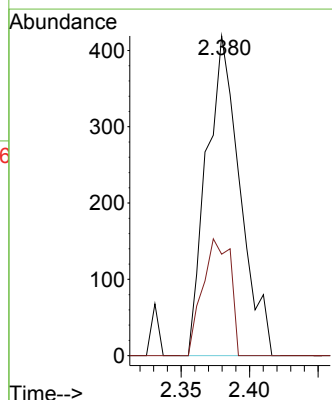
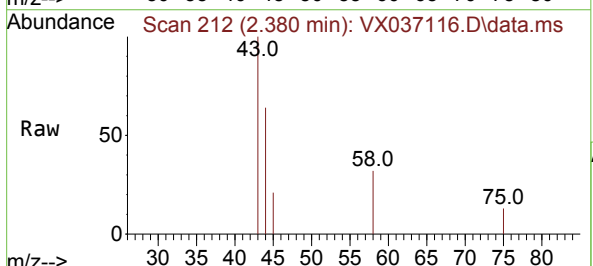
Acq: 19 Aug 2023 07:58

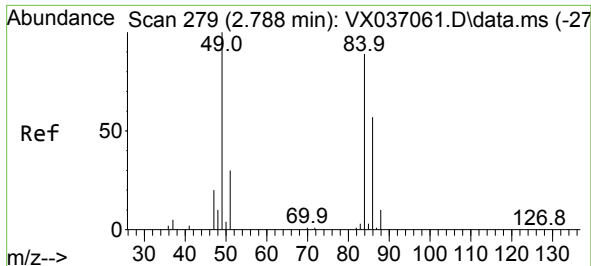
Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

43 100

58 31.7 21.9 32.9

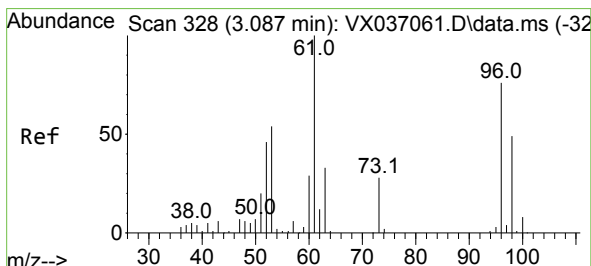
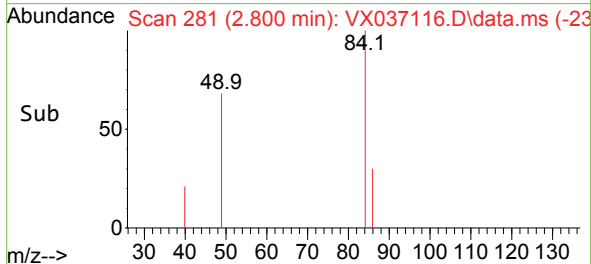
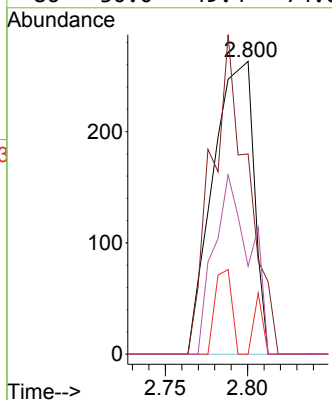
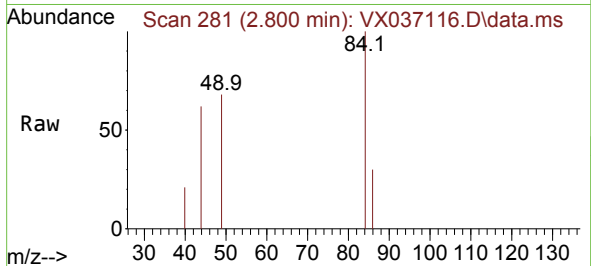




#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

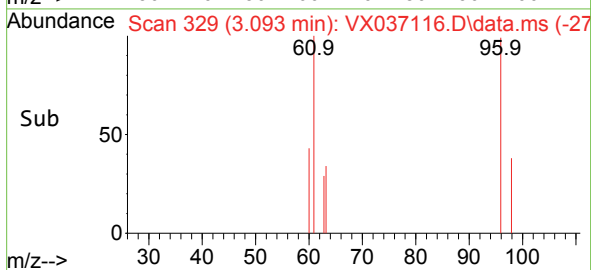
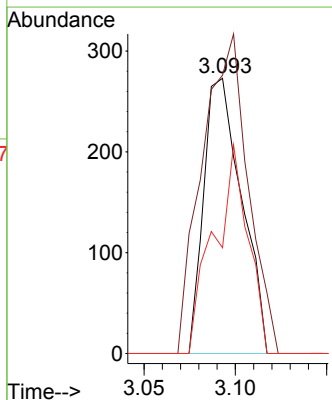
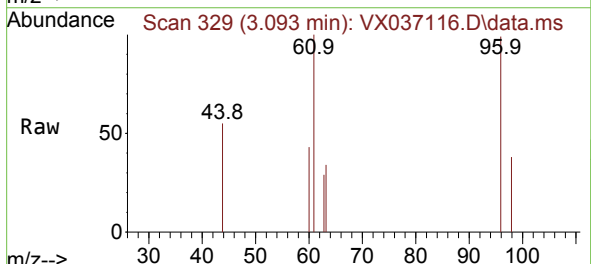
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

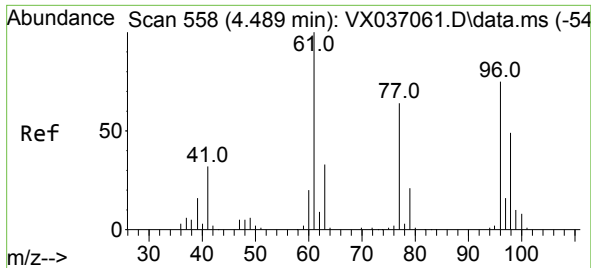
Tgt Ion: 84 Resp: 455
Ion Ratio Lower Upper
84 100
49 68.4 103.6 155.4#
51 0.0 33.8 50.6#
86 30.0 49.4 74.0#



#21
trans-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion: 96 Resp: 394
Ion Ratio Lower Upper
96 100
61 101.1 119.2 178.8#
98 38.5 48.7 73.1#





#27

cis-1,2-Dichloroethene

Concen: 1.132 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037116.D

Acq: 19 Aug 2023 07:58

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230814

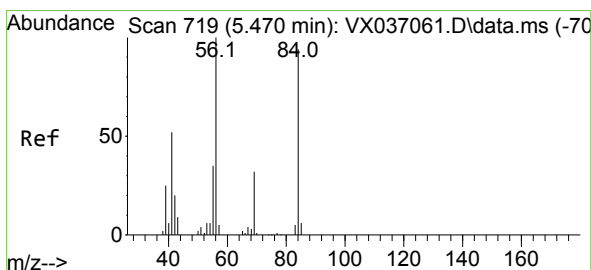
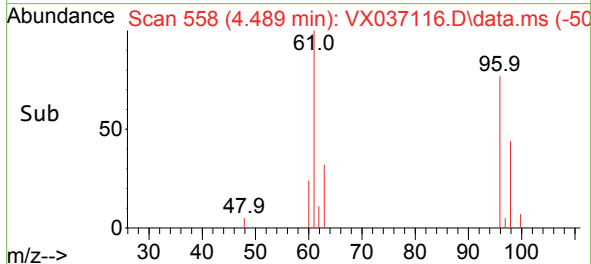
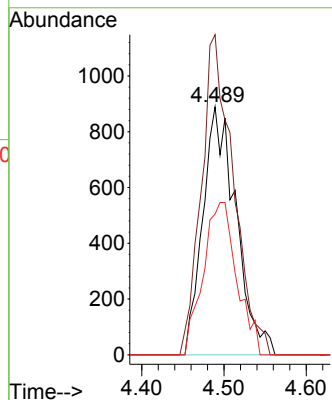
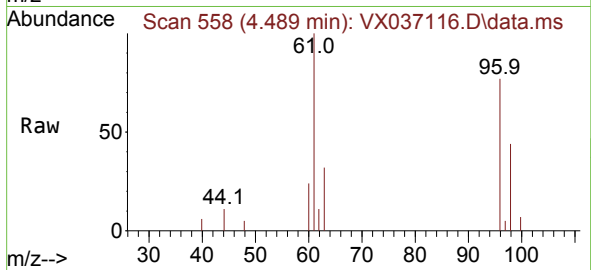
Tgt Ion: 96 Resp: 2495

Ion Ratio Lower Upper

96 100

61 124.2 0.0 312.2

98 62.1 0.0 129.0



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037116.D

Acq: 19 Aug 2023 07:58

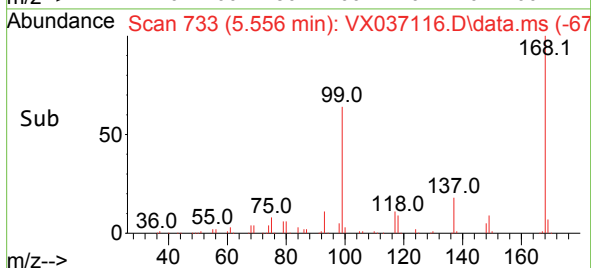
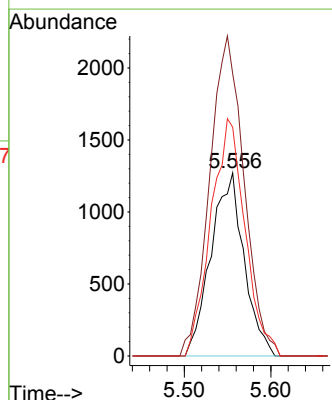
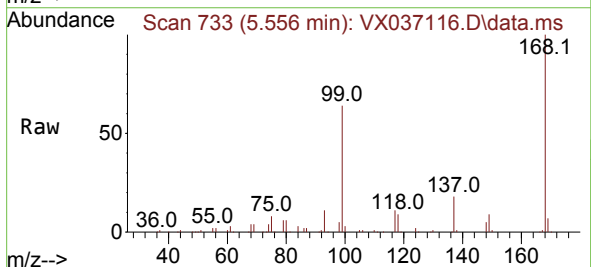
Tgt Ion: 56 Resp: 3370

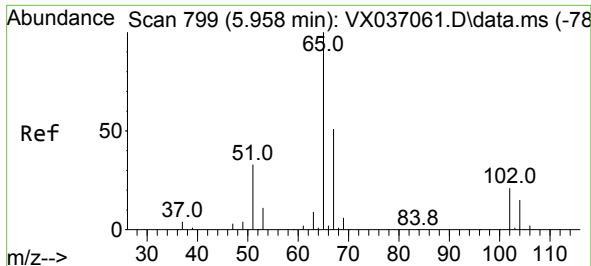
Ion Ratio Lower Upper

56 100

69 154.2 23.4 35.2#

84 125.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.120 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037116.D

Acq: 19 Aug 2023 07:58

Instrument :

MSVOA_X

ClientSampleId :

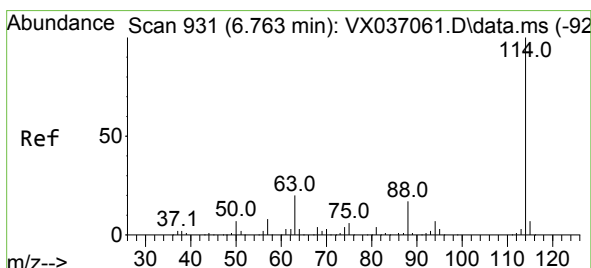
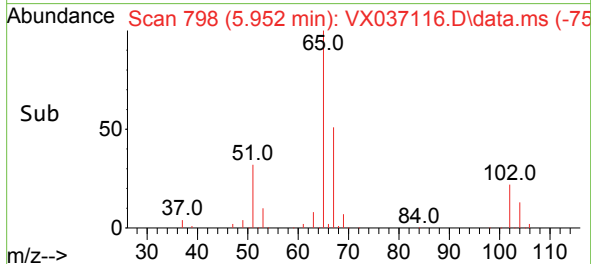
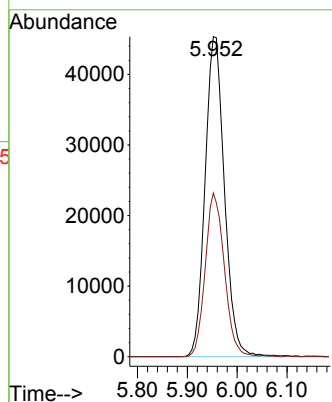
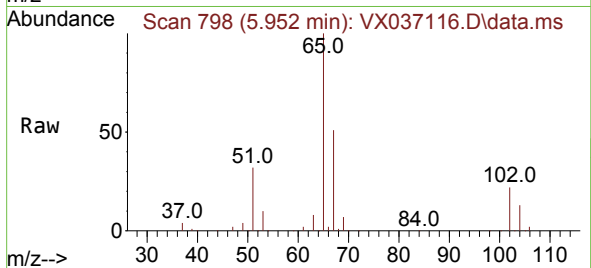
RE122D1-20230814

Tgt Ion: 65 Resp: 122379

Ion Ratio Lower Upper

65 100

67 50.4 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: VX037116.D

Acq: 19 Aug 2023 07:58

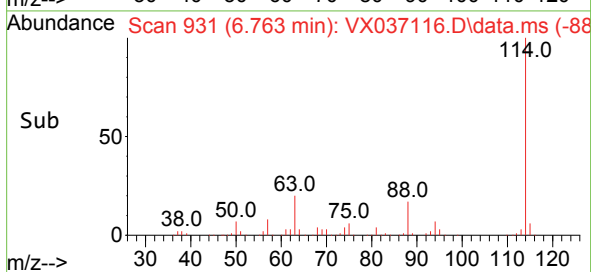
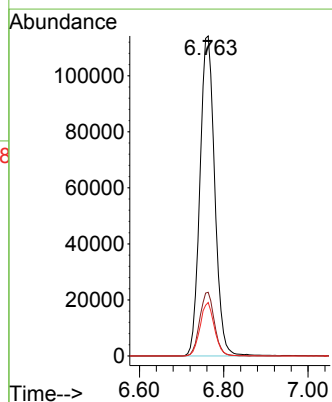
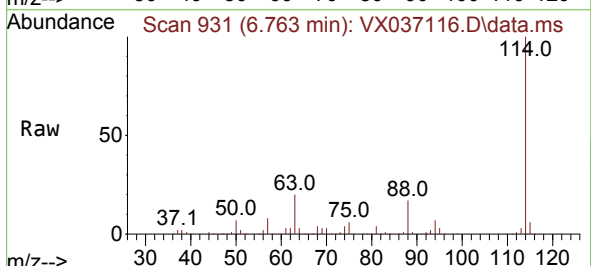
Tgt Ion:114 Resp: 279307

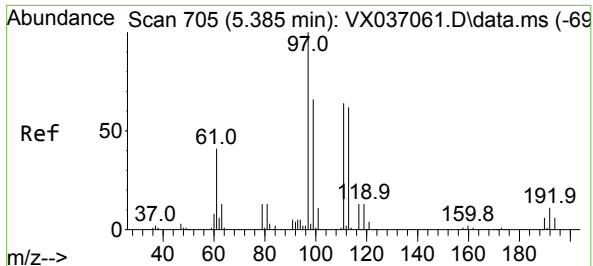
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.7 0.0 36.6

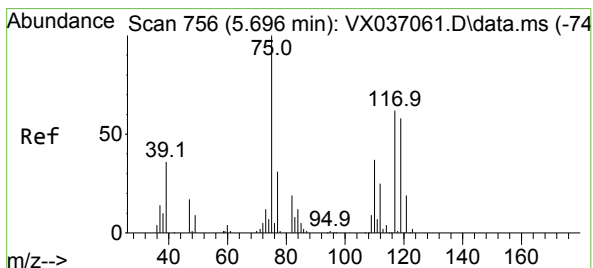
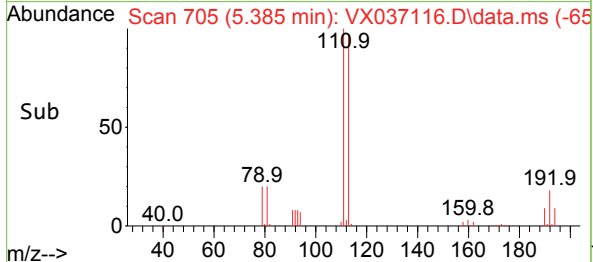
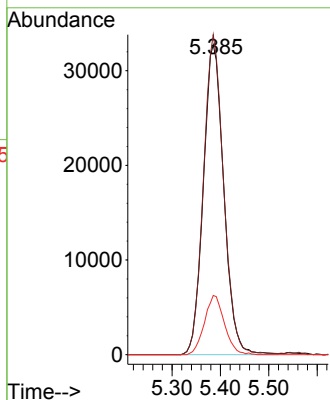
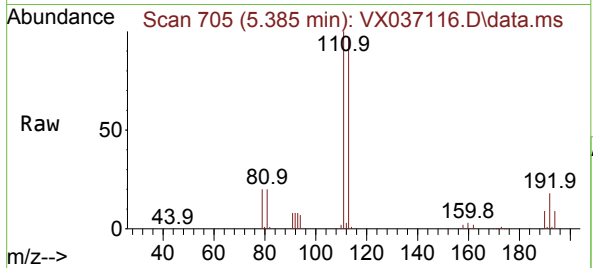




#35
Dibromofluoromethane
Concen: 52.055 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

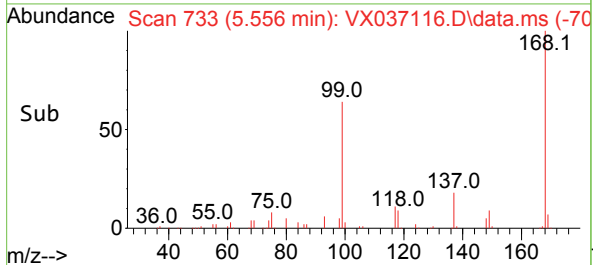
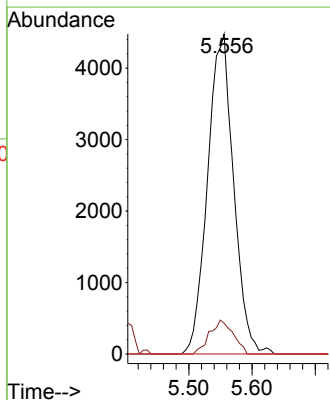
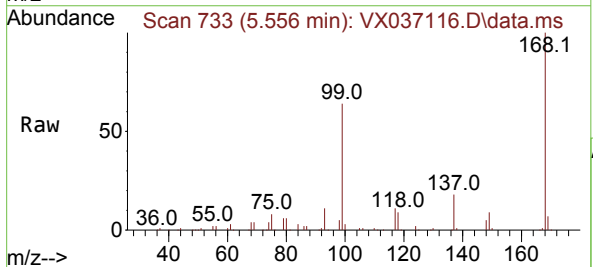
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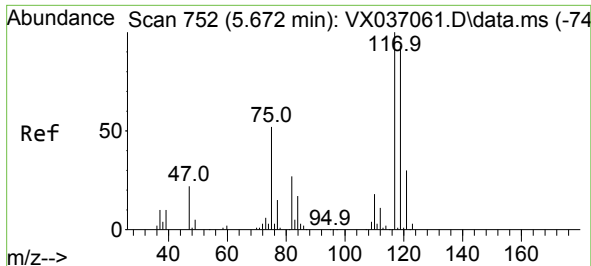
Tgt Ion:113 Resp: 96291
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

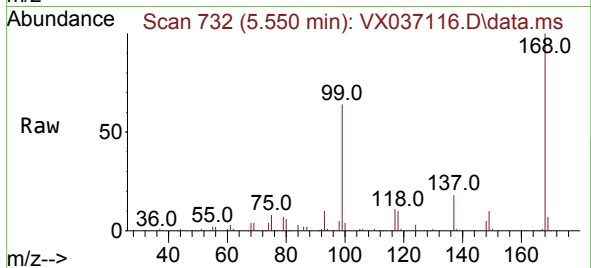
Tgt Ion: 75 Resp: 12803
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



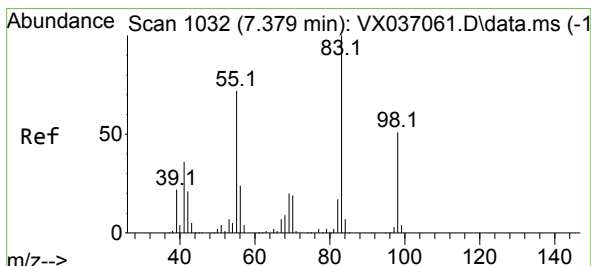
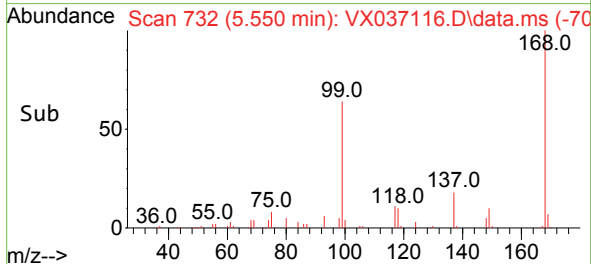
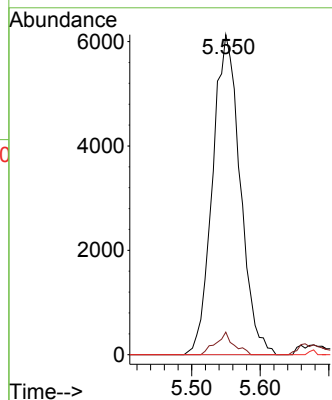


#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

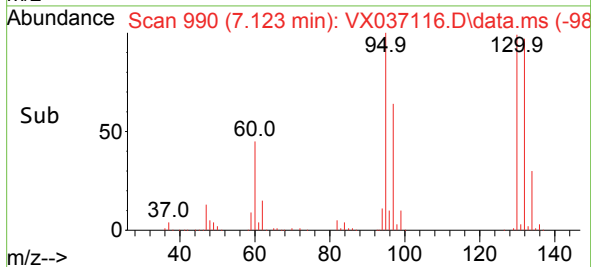
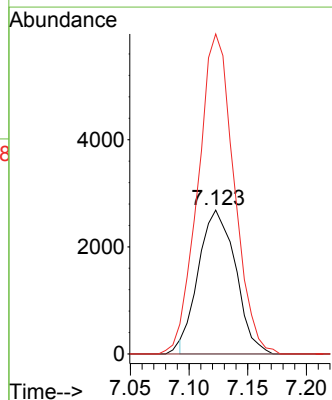
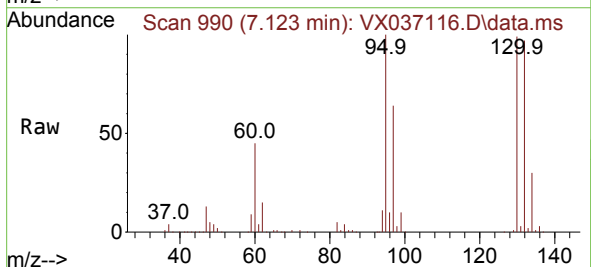


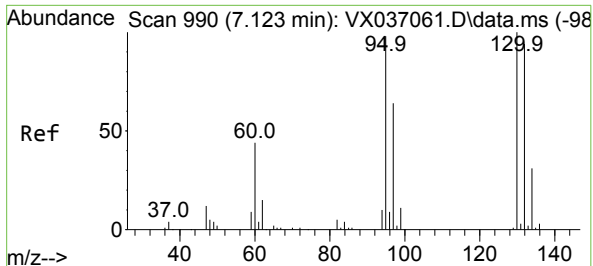
Tgt Ion:117 Resp: 17178
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 2.128 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion: 83 Resp: 5875
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 222.5 36.7 55.1#

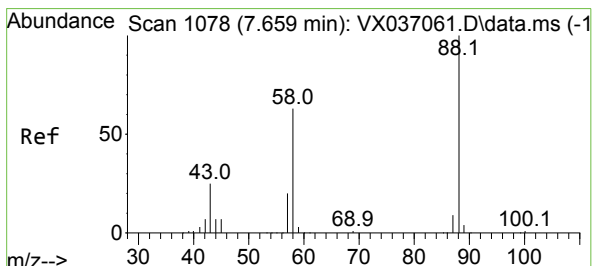
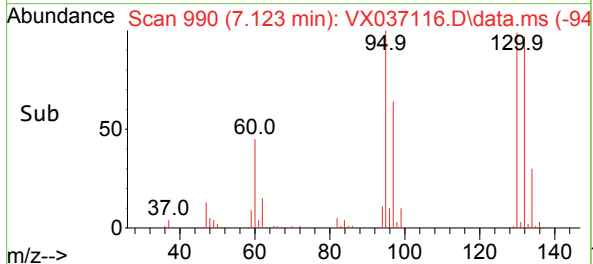
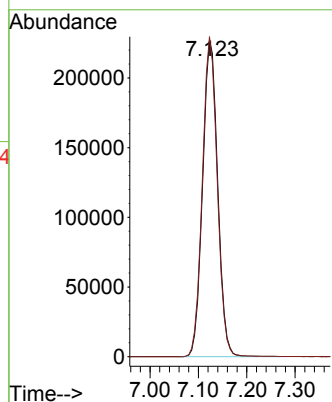
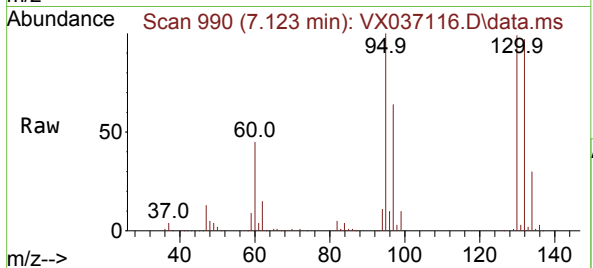




#44
Trichloroethene
Concen: 230.211 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

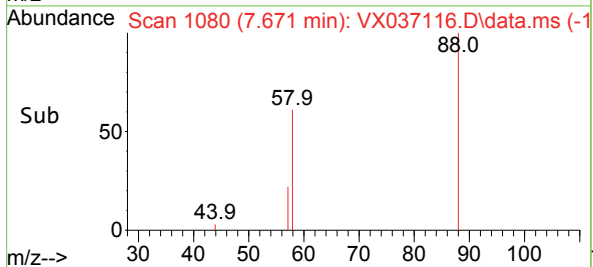
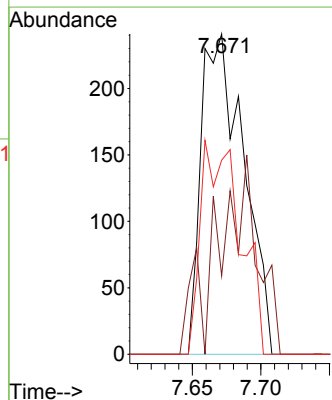
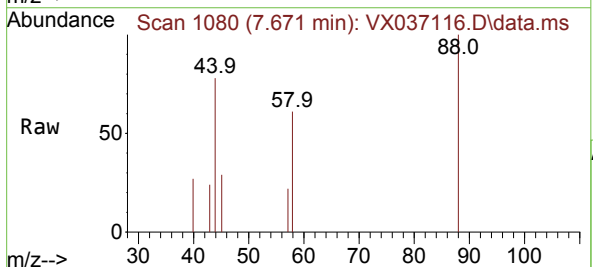
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

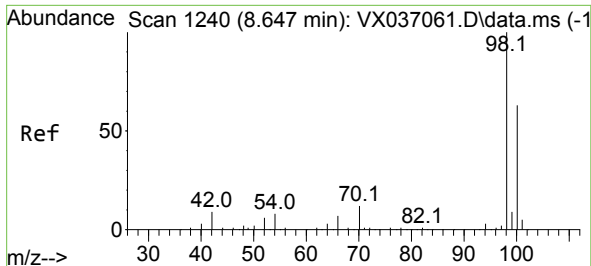
Tgt Ion:130 Resp: 492012
Ion Ratio Lower Upper
130 100
95 101.0 0.0 204.4



#49
1,4-Dioxane
Concen: 9.289 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion: 88 Resp: 520
Ion Ratio Lower Upper
88 100
43 9.2 0.0 0.0#
58 61.7 60.1 90.1

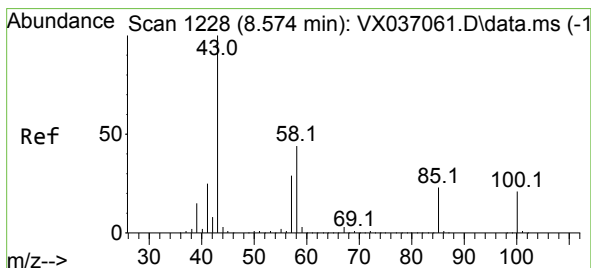
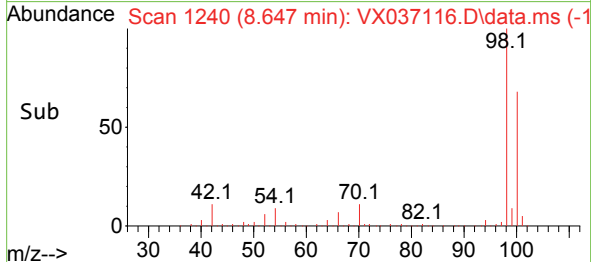
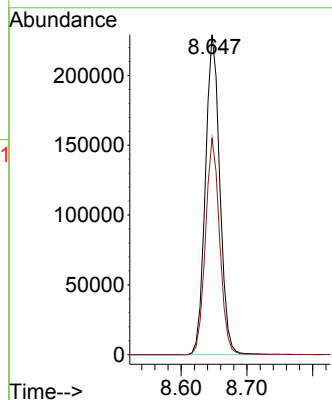
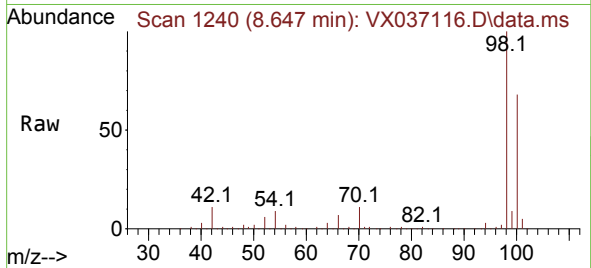




#50
Toluene-d8
Concen: 52.076 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

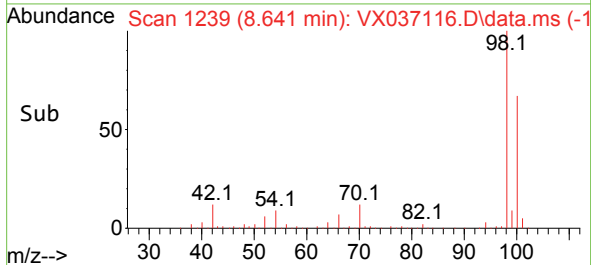
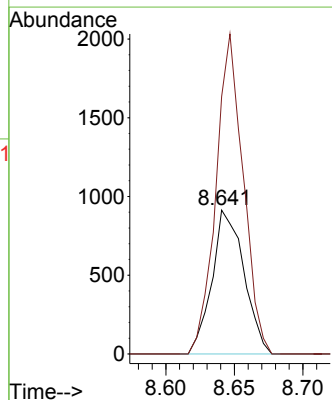
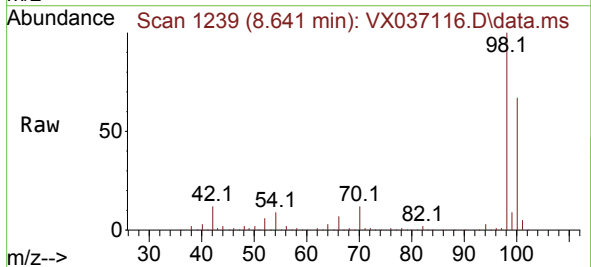
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

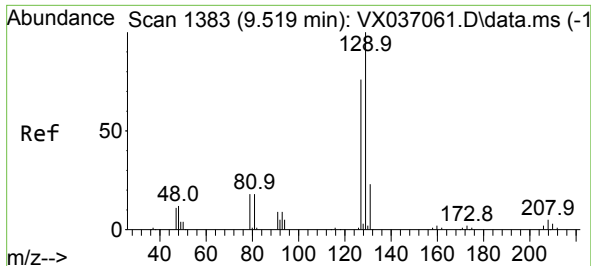
Tgt Ion: 98 Resp: 349424
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 190.5 30.4 45.6#

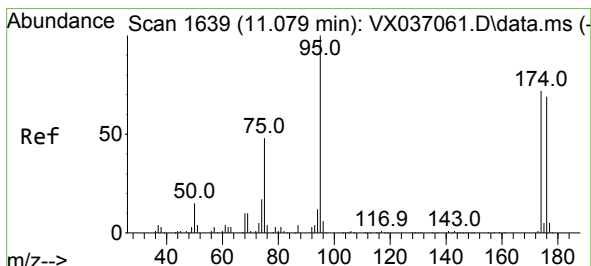
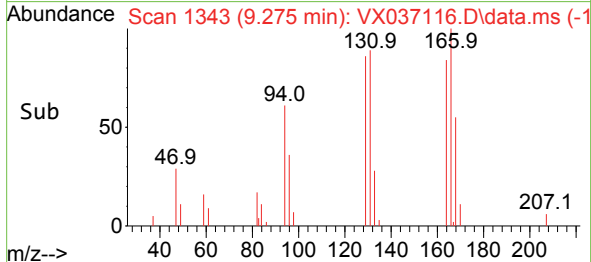
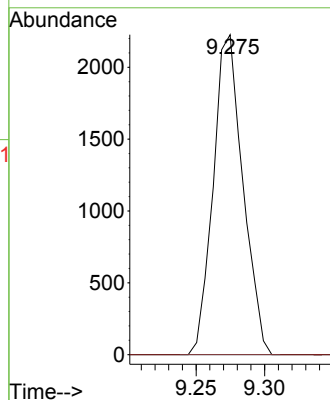
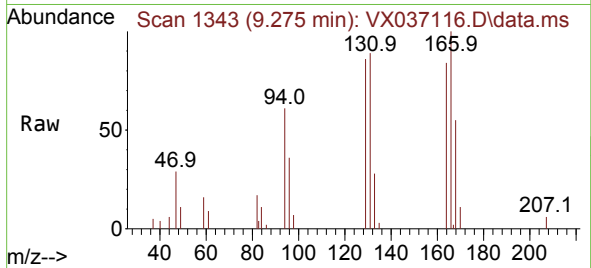




#60
Dibromochloromethane
Concen: 1.553 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

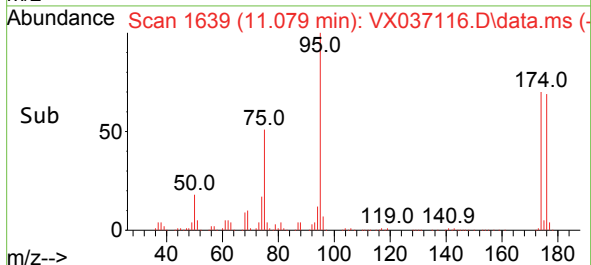
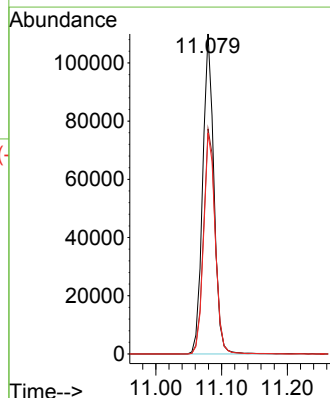
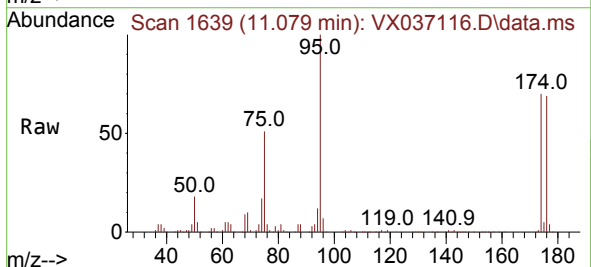
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

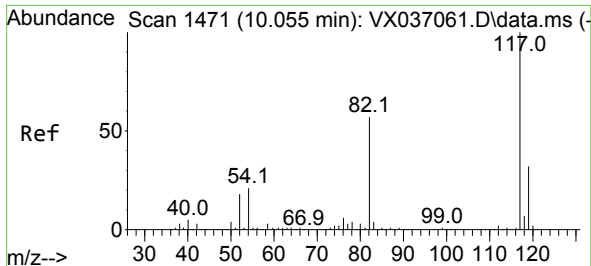
Tgt Ion:129 Resp: 3352
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion: 95 Resp: 130425
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 71.2 0.0 131.0

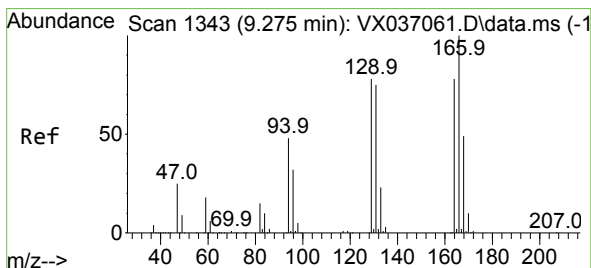
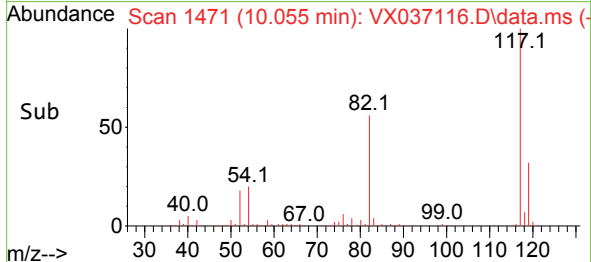
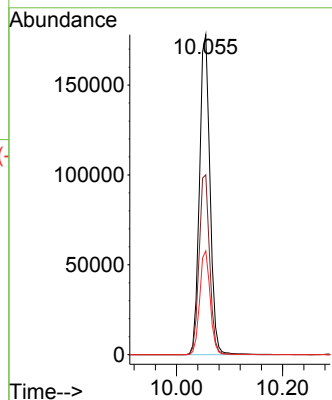
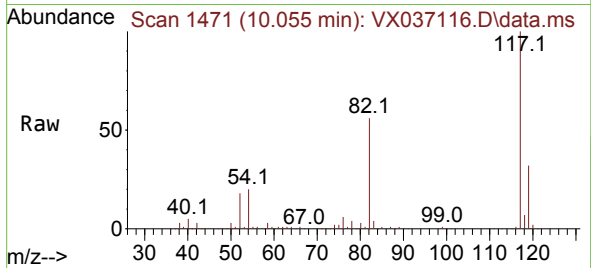




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

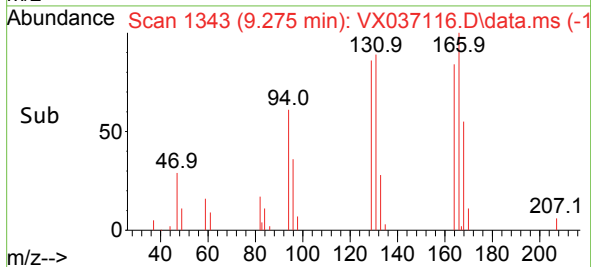
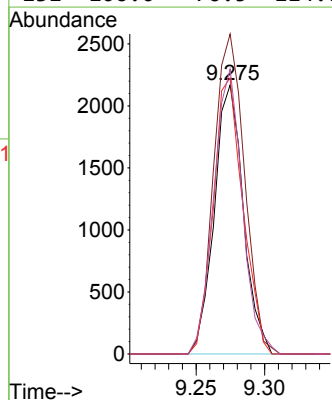
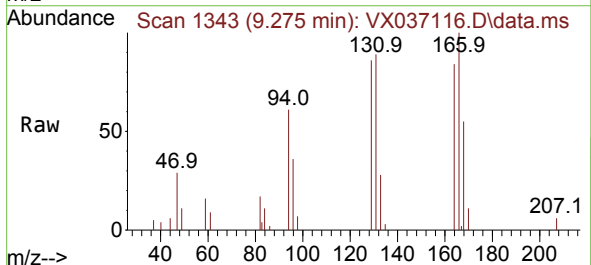
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230814

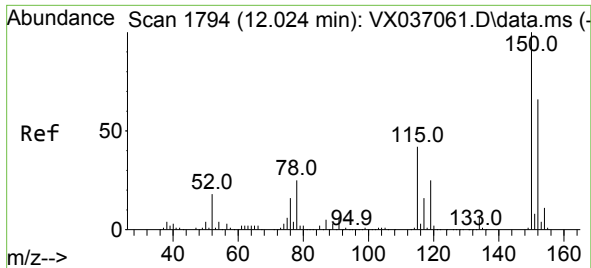
Tgt Ion:117 Resp: 246043
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 1.778 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037116.D
Acq: 19 Aug 2023 07:58

Tgt Ion:164 Resp: 3192
Ion Ratio Lower Upper
164 100
166 119.0 102.7 154.1
129 102.7 80.4 120.6
131 106.0 76.5 114.7

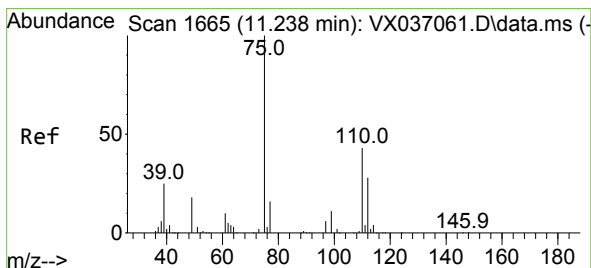
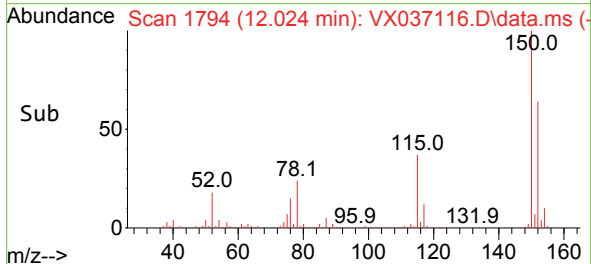
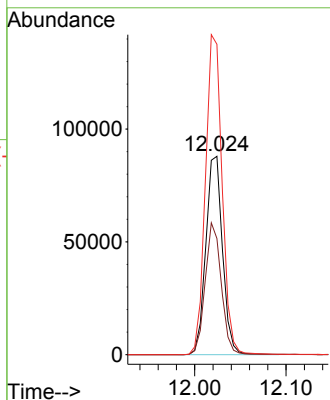
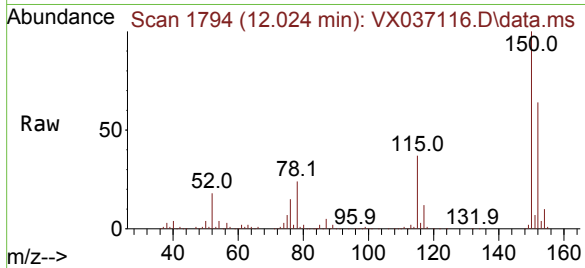




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037116.D
 Acq: 19 Aug 2023 07:58

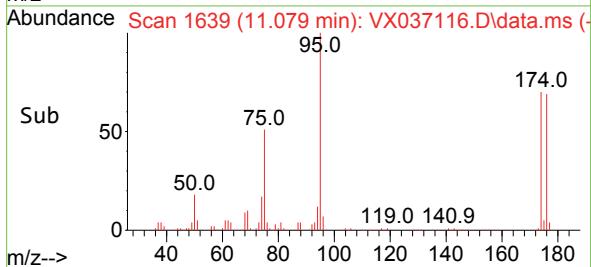
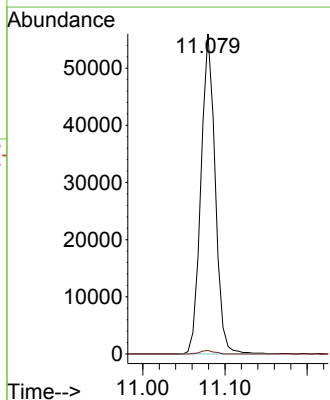
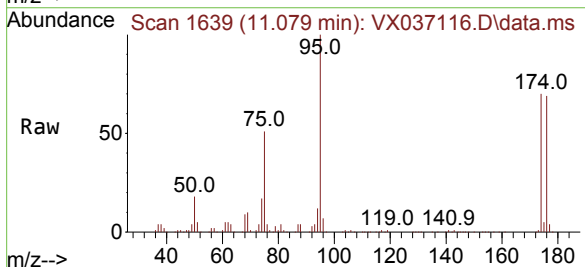
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230814

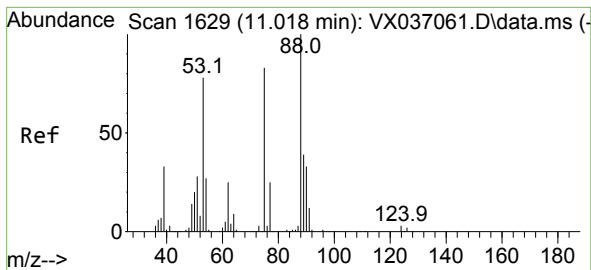
Tgt Ion:152 Resp: 112006
 Ion Ratio Lower Upper
 152 100
 115 64.1 43.3 129.9
 150 161.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 28.249 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037116.D
 Acq: 19 Aug 2023 07:58

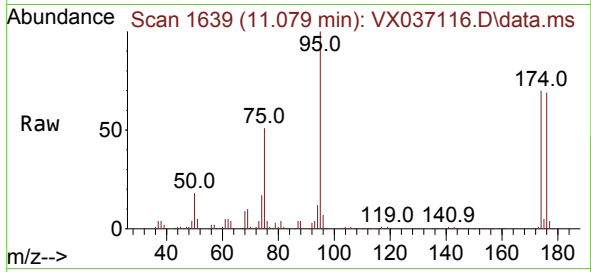
Tgt Ion: 75 Resp: 67385
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.902 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037116.D
 Acq: 19 Aug 2023 07:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230814



Tgt Ion: 75 Resp: 67385
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

