

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037211.D
 Acq On : 24 Aug 2023 13:04
 Operator : JC/MD
 Sample : 04051-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230816DL

Quant Time: Aug 24 23:38:18 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)

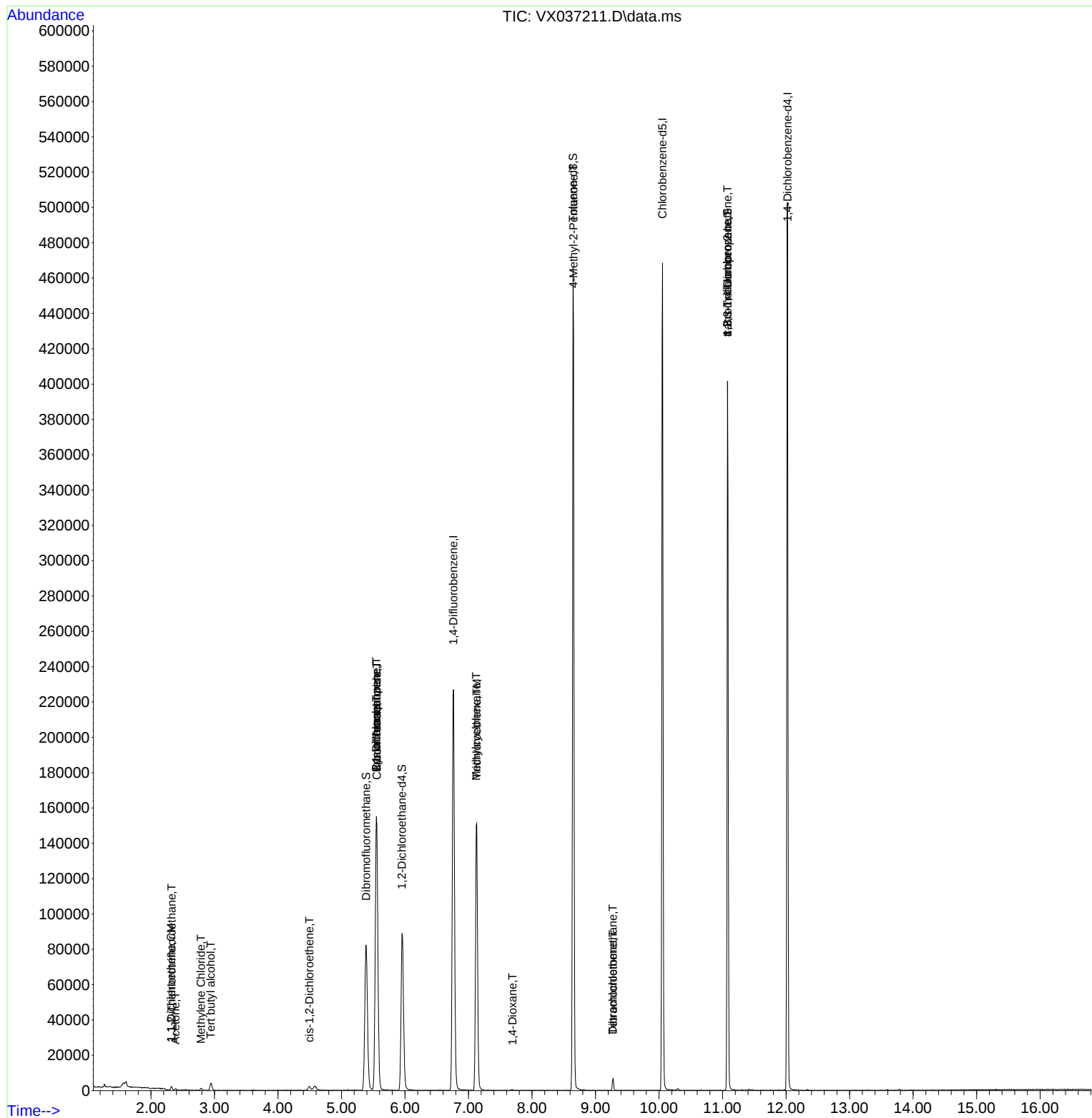
Internal Standards						
1) Pentafluorobenzene	5.550	168	144831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91946	44.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.080%
35) Dibromofluoromethane	5.385	113	73740	46.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.380%
50) Toluene-d8	8.647	98	278407	48.602	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.200%
62) 4-Bromofluorobenzene	11.079	95	109421	48.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.220%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	714	0.466	ug/l #	80
11) Tert butyl alcohol	2.941	59	2466	5.035	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	349	0.234	ug/l	85
16) Acetone	2.386	43	638	0.781	ug/l #	86
20) Methylene Chloride	2.788	84	638	0.349	ug/l #	86
27) cis-1,2-Dichloroethene	4.495	96	1667	0.834	ug/l	77
31) Cyclohexane	5.550	56	2960	1.261	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11621	5.180	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15734	6.456	ug/l #	15
39) Methylcyclohexane	7.123	83	679	0.288	ug/l #	1
44) Trichloroethene	7.129	130	61298	33.595	ug/l	96
49) 1,4-Dioxane	7.690	88	412	8.621	ug/l #	69
51) 4-Methyl-2-Pentanone	8.653	43	1083	0.490	ug/l #	1
60) Dibromochloromethane	9.275	129	1303	0.707	ug/l #	11
64) Tetrachloroethene	9.275	164	1182	0.746	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	56624	25.912	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56624	72.373	ug/l #	5

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

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RE125D2-20230816DL

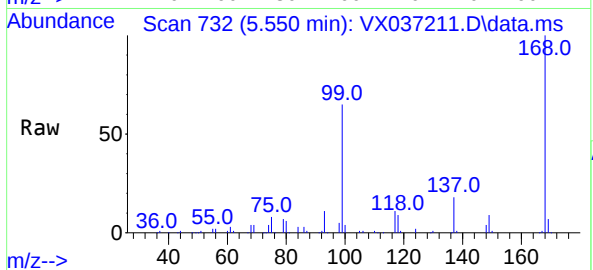
Quant Time: Aug 24 23:38:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
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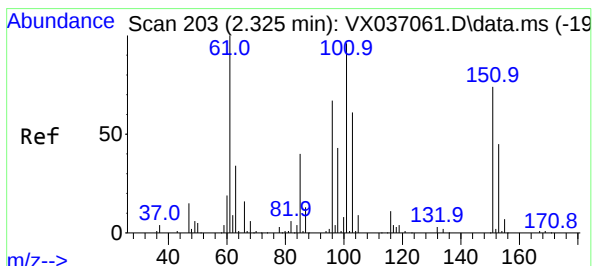
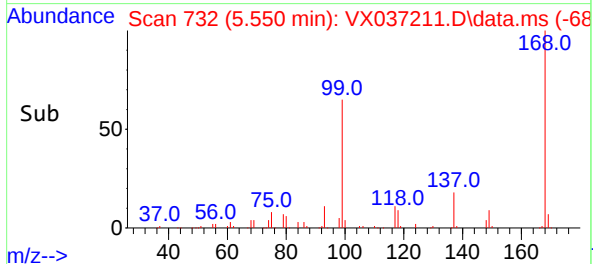
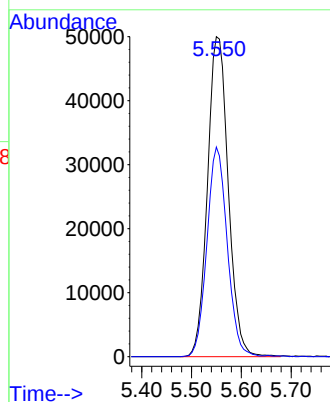


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

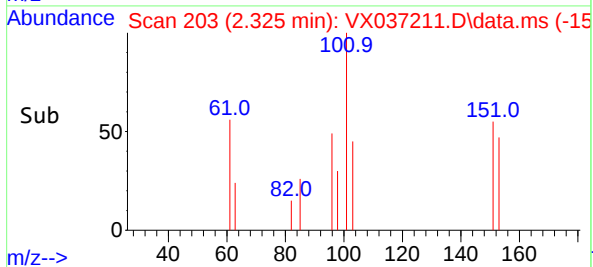
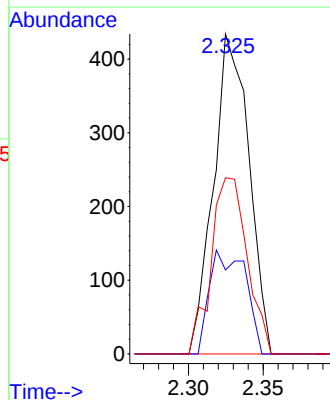
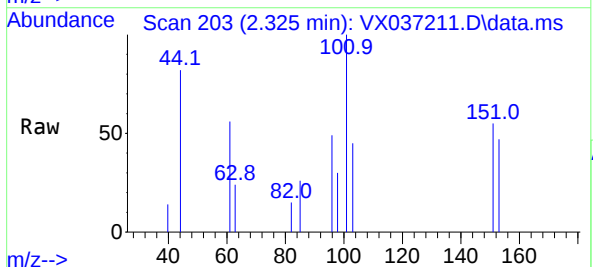


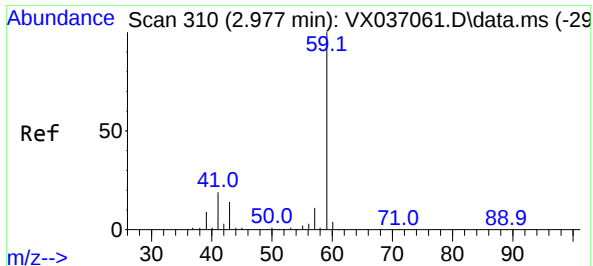
Tgt Ion:168 Resp: 144831
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion:101 Resp: 714
Ion Ratio Lower Upper
101 100
85 32.8 37.0 55.6#
151 56.2 58.6 87.8#





#11

Tert butyl alcohol

Concen: 5.035 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX037211.D

Acq: 24 Aug 2023 13:04

Instrument :

MSVOA_X

ClientSampleId :

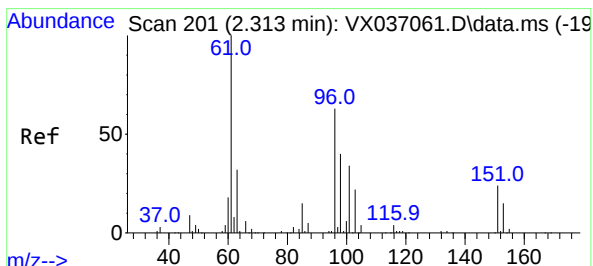
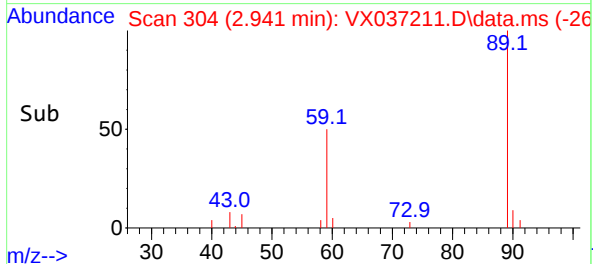
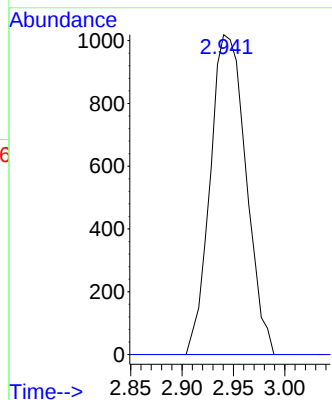
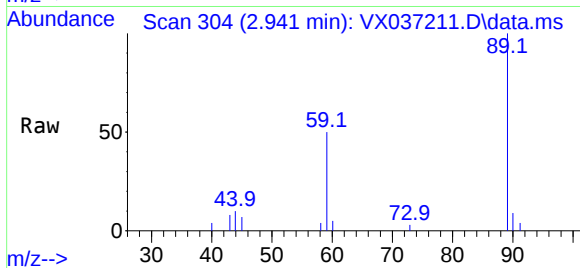
RE125D2-20230816DL

Tgt Ion: 59 Resp: 2466

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.234 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037211.D

Acq: 24 Aug 2023 13:04

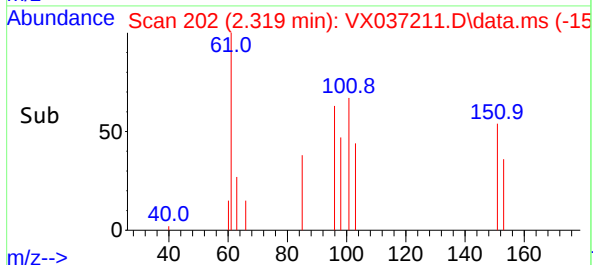
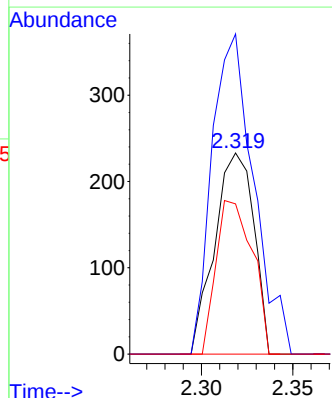
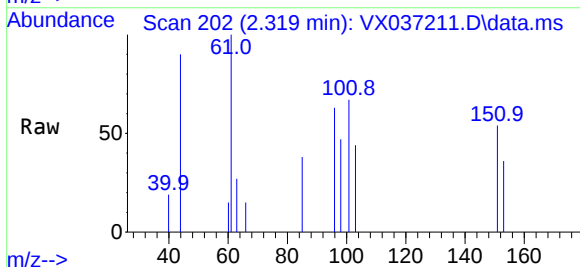
Tgt Ion: 96 Resp: 349

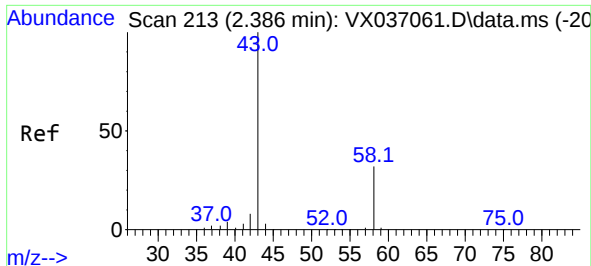
Ion Ratio Lower Upper

96 100

61 159.2 144.6 216.8

98 74.7 50.4 75.6

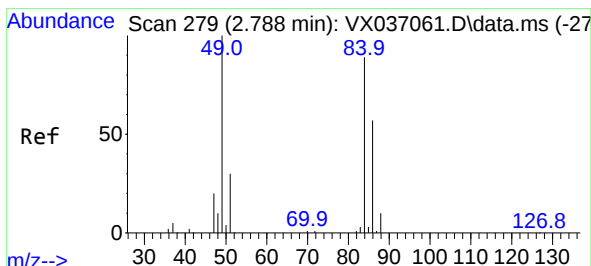
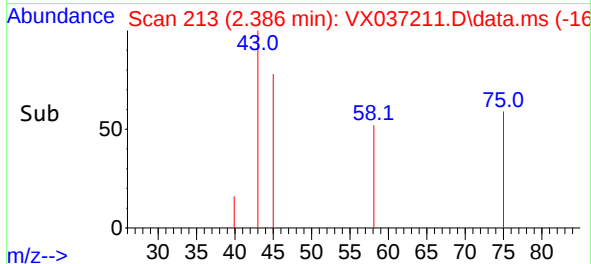
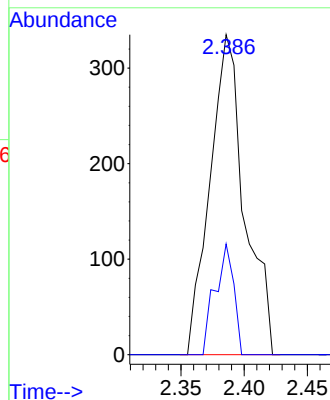
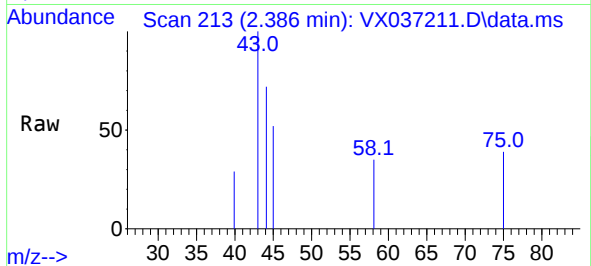




#16
Acetone
Concen: 0.781 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

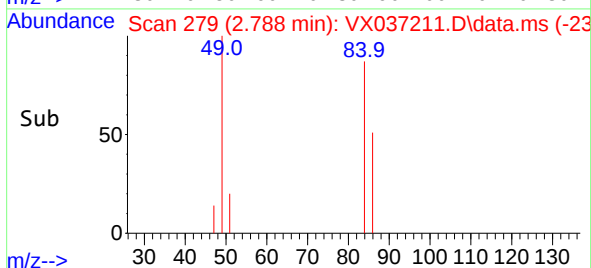
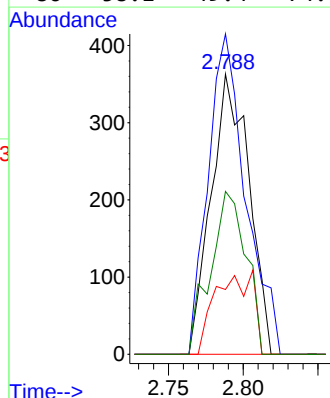
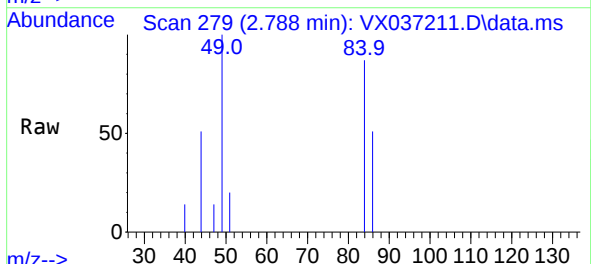
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

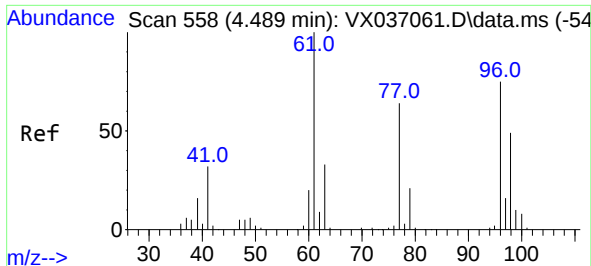
Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
58 34.6 21.9 32.9#



#20
Methylene Chloride
Concen: 0.349 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 84 Resp: 638
Ion Ratio Lower Upper
84 100
49 114.3 103.6 155.4
51 23.1 33.8 50.6#
86 58.1 49.4 74.0





#27

cis-1,2-Dichloroethene

Concen: 0.834 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037211.D

Acq: 24 Aug 2023 13:04

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230816DL

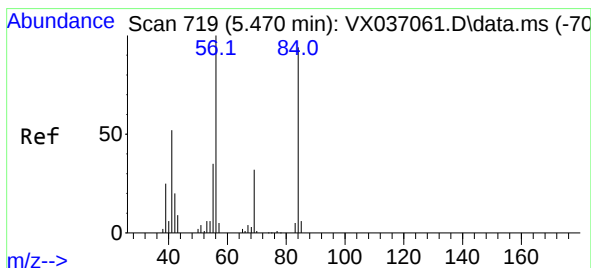
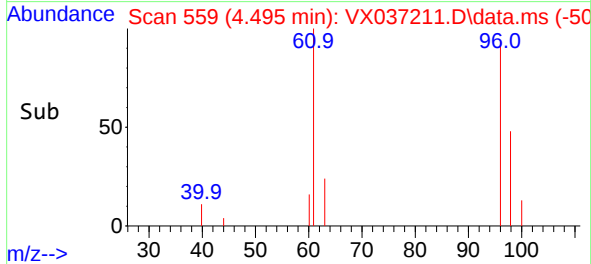
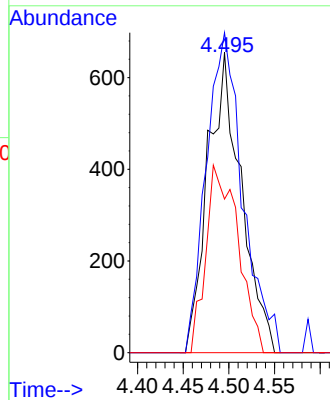
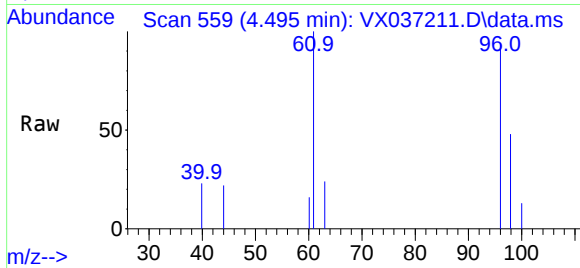
Tgt Ion: 96 Resp: 1667

Ion Ratio Lower Upper

96 100

61 116.5 0.0 312.2

98 60.2 0.0 129.0



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037211.D

Acq: 24 Aug 2023 13:04

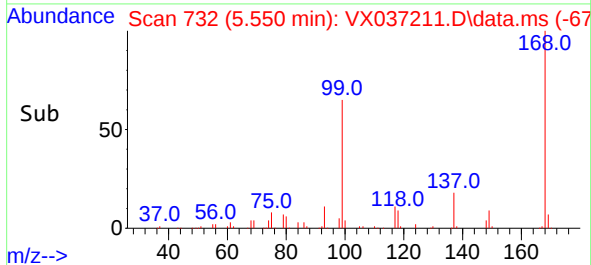
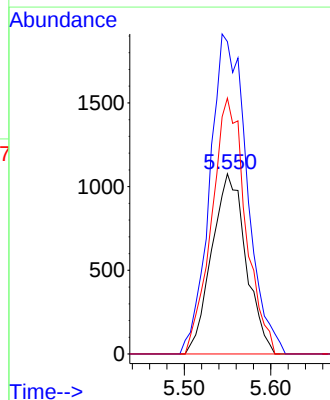
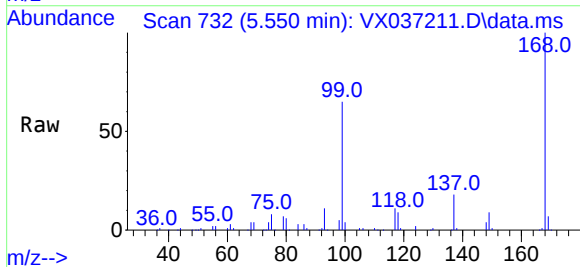
Tgt Ion: 56 Resp: 2960

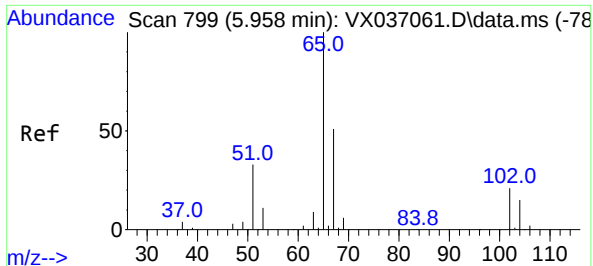
Ion Ratio Lower Upper

56 100

69 173.3 23.4 35.2#

84 142.0 65.9 98.9#

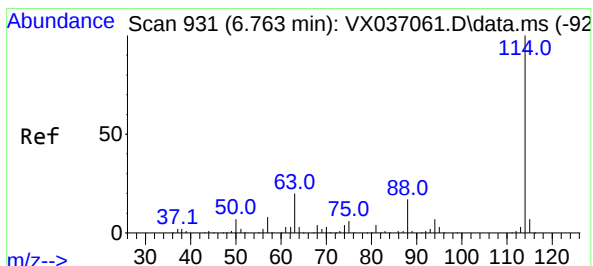
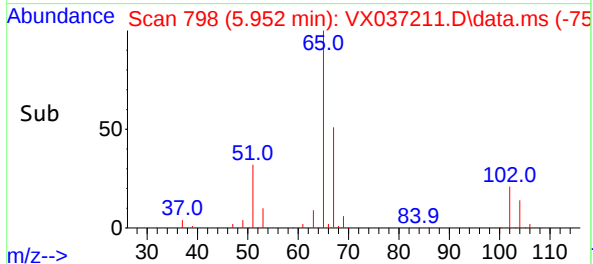
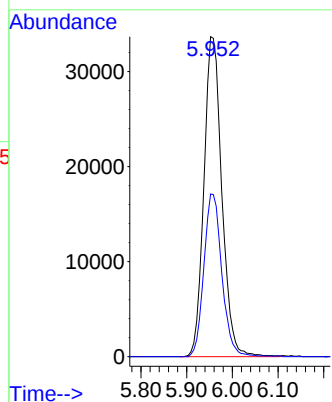
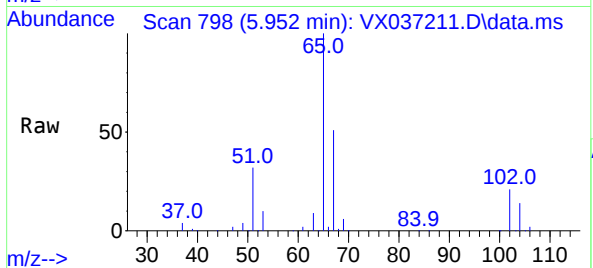




#33
1,2-Dichloroethane-d4
Concen: 44.035 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

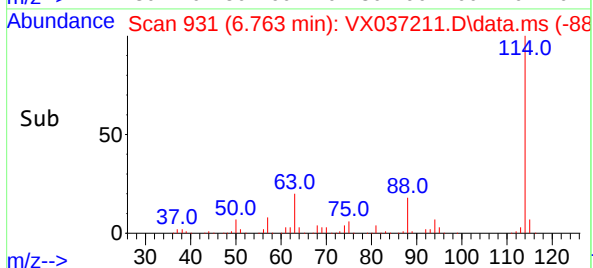
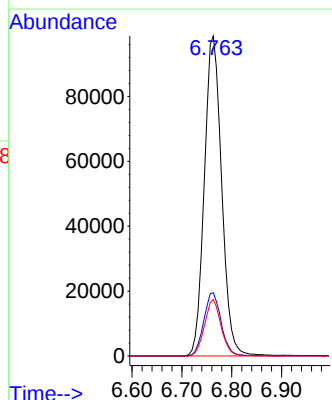
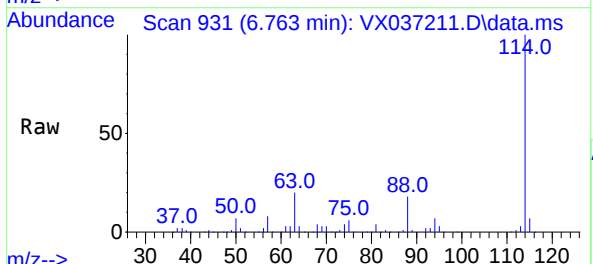
Instrument :
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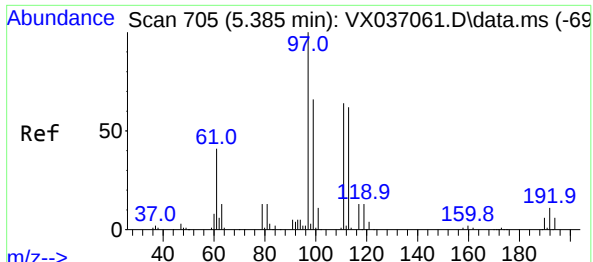
Tgt Ion: 65 Resp: 91946
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 114 Resp: 238450
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 17.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.695 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037211.D

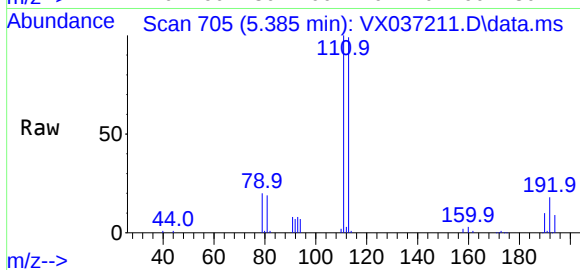
Acq: 24 Aug 2023 13:04

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230816DL



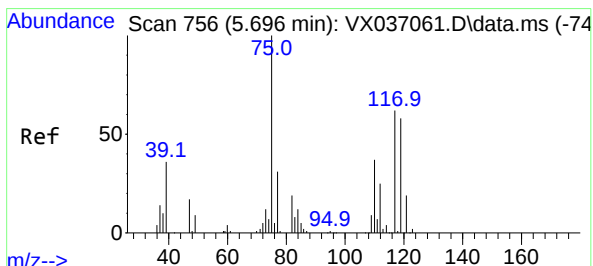
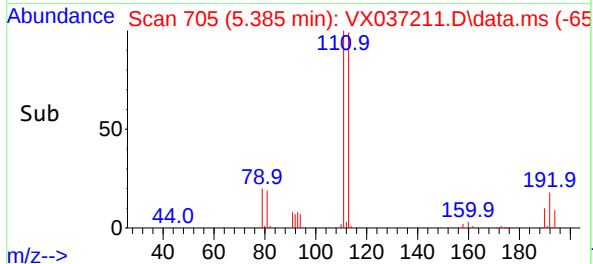
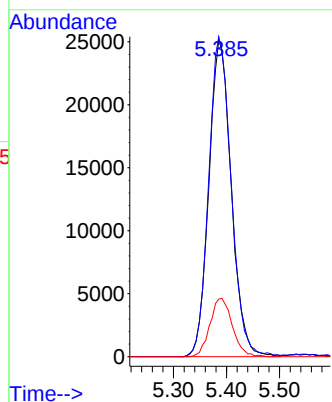
Tgt Ion:113 Resp: 73740

Ion Ratio Lower Upper

113 100

111 101.5 82.9 124.3

192 18.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.180 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX037211.D

Acq: 24 Aug 2023 13:04

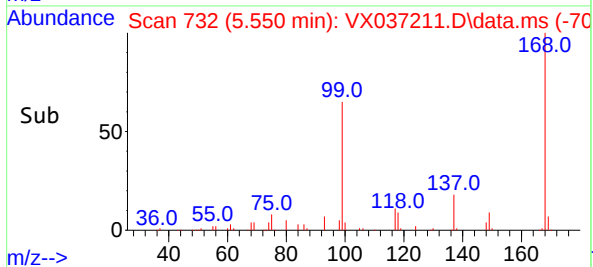
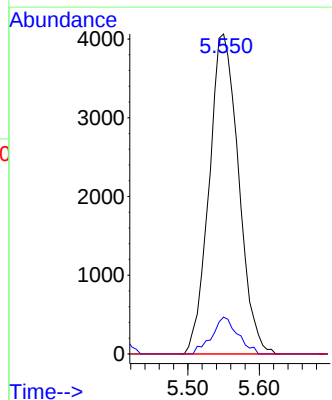
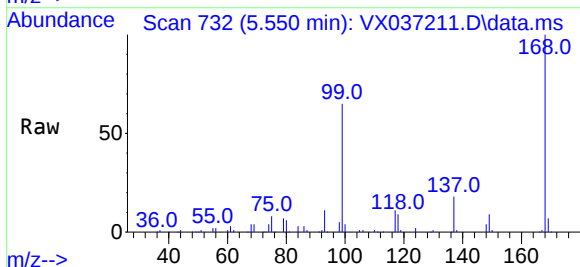
Tgt Ion: 75 Resp: 11621

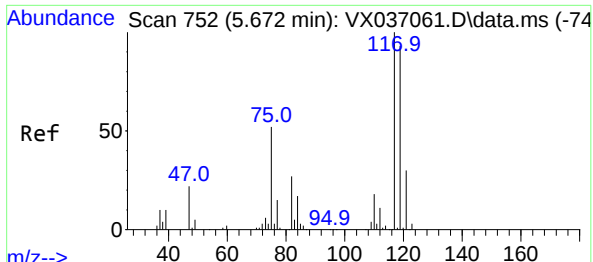
Ion Ratio Lower Upper

75 100

110 10.1 17.0 50.9#

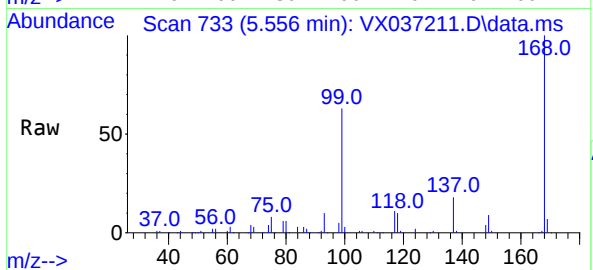
77 0.0 24.7 37.1#



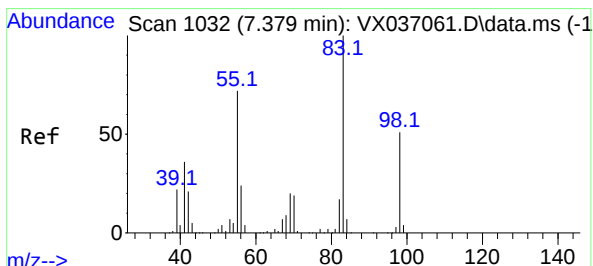
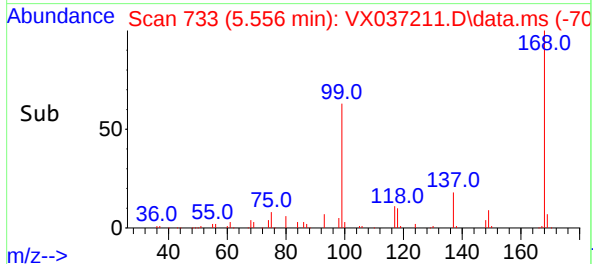
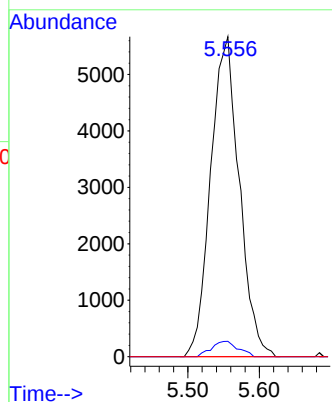


#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

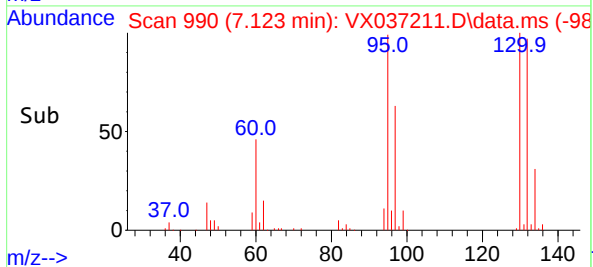
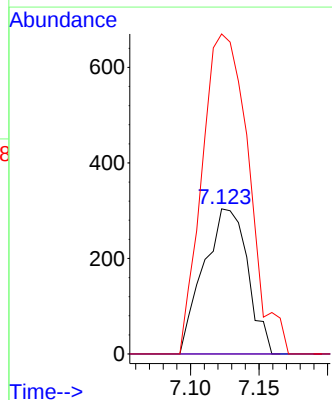
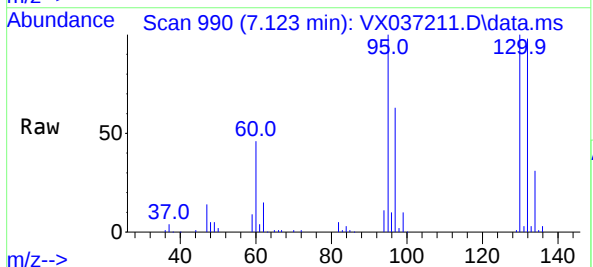


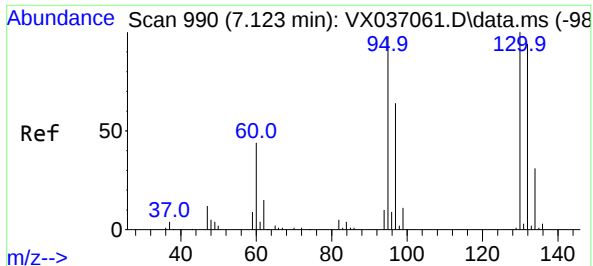
Tgt Ion:117 Resp: 15734
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.288 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 83 Resp: 679
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 220.4 36.7 55.1#

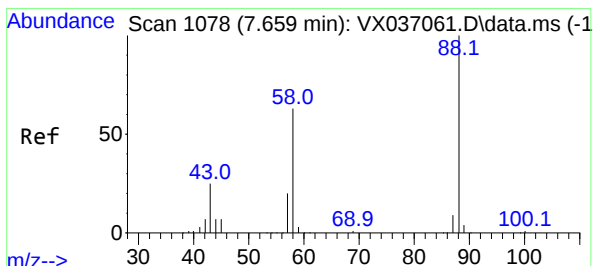
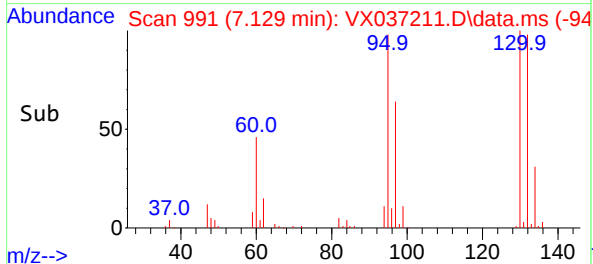
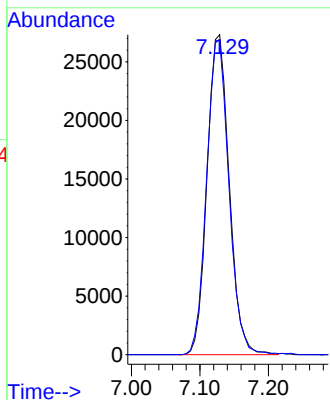
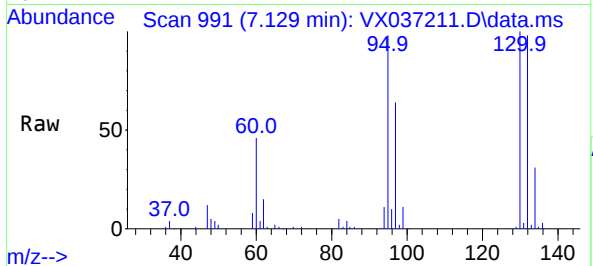




#44
Trichloroethene
Concen: 33.595 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

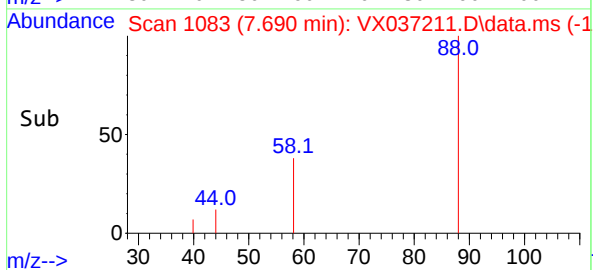
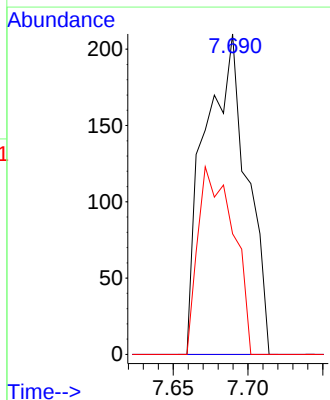
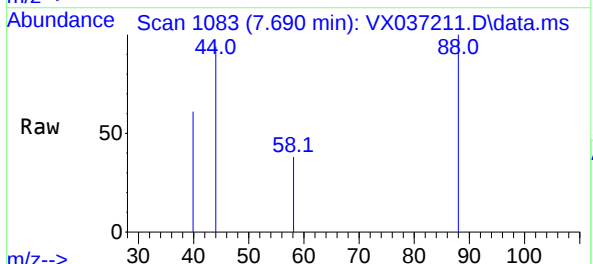
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

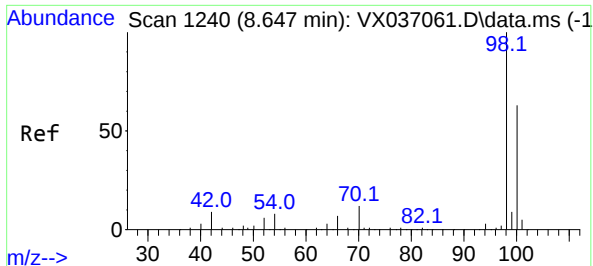
Tgt Ion:130 Resp: 61298
Ion Ratio Lower Upper
130 100
95 98.3 0.0 204.4



#49
1,4-Dioxane
Concen: 8.621 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 88 Resp: 412
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 49.0 60.1 90.1#

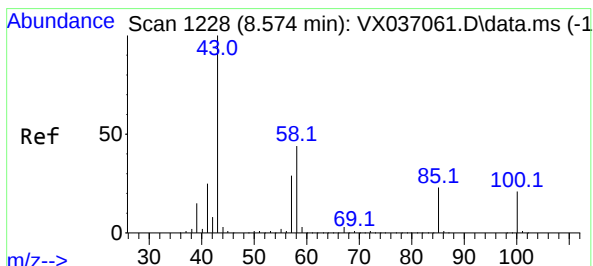
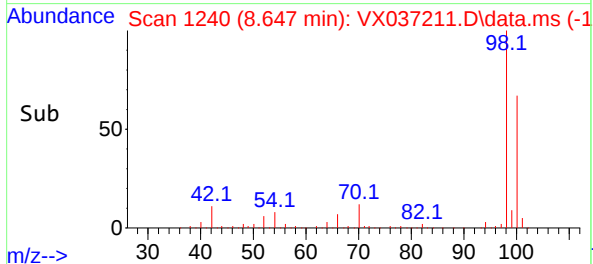
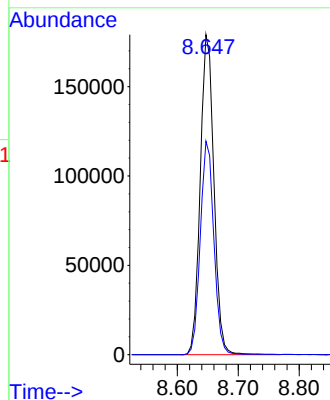
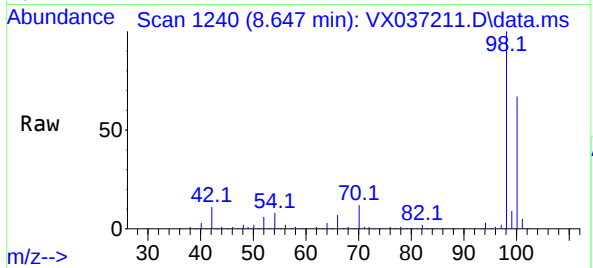




#50
Toluene-d8
Concen: 48.602 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

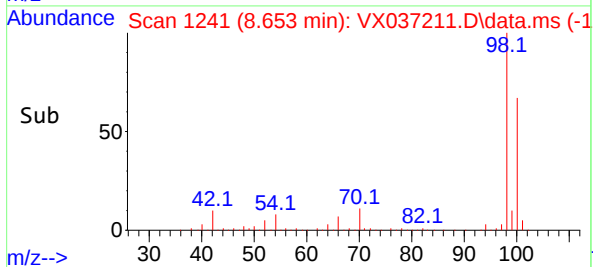
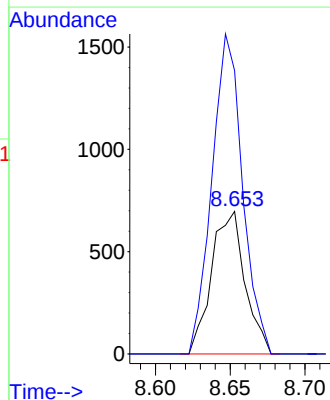
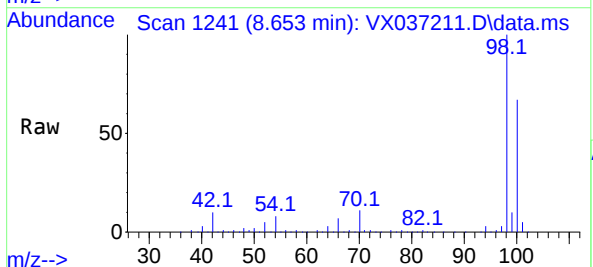
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

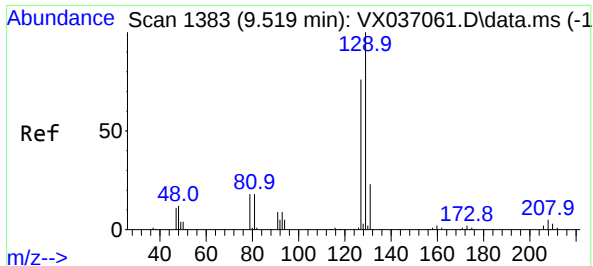
Tgt Ion: 98 Resp: 278407
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 205.7 30.4 45.6#

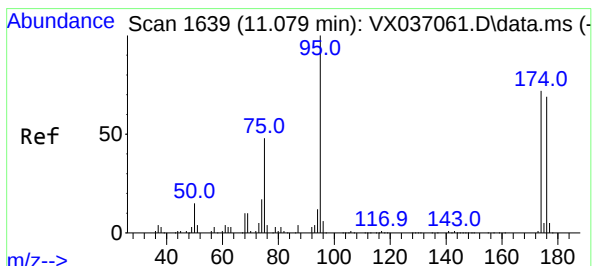
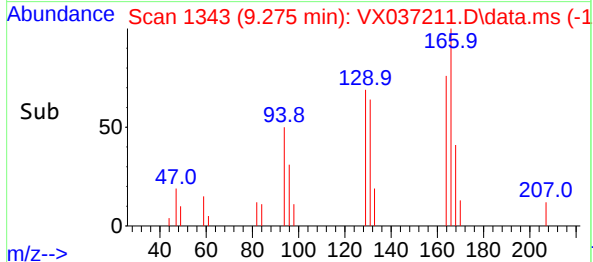
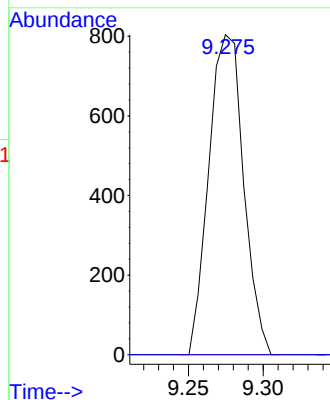
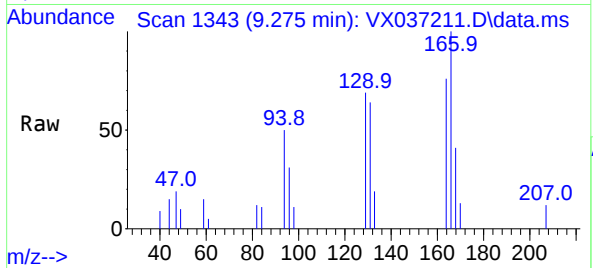




#60
Dibromochloromethane
Concen: 0.707 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

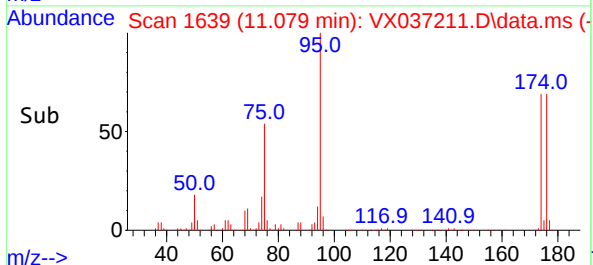
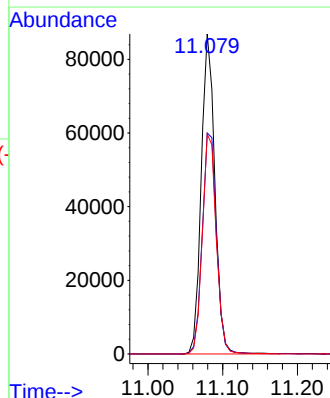
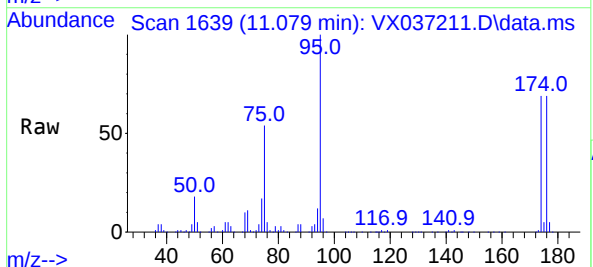
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

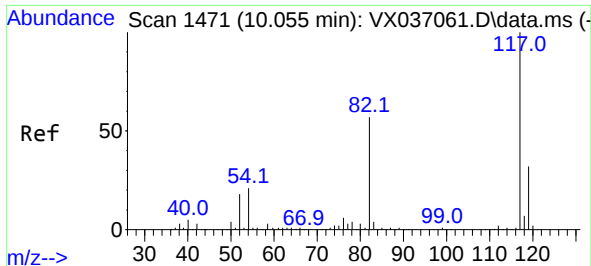
Tgt Ion:129 Resp: 1303
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.606 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

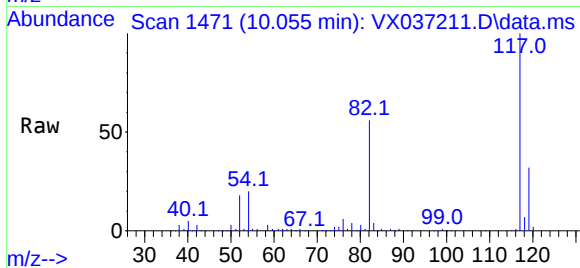
Tgt Ion: 95 Resp: 109421
Ion Ratio Lower Upper
95 100
174 72.3 0.0 135.6
176 70.6 0.0 131.0



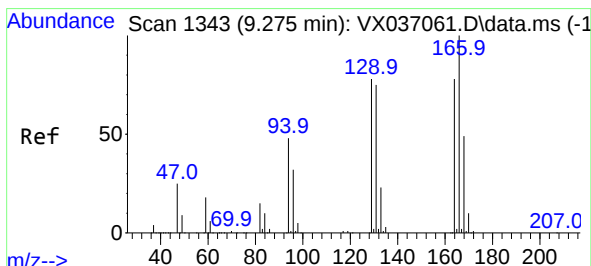
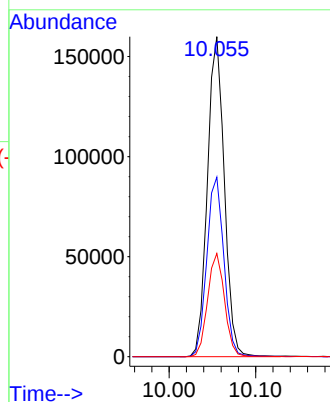
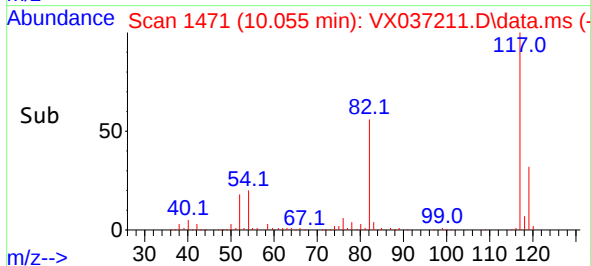


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

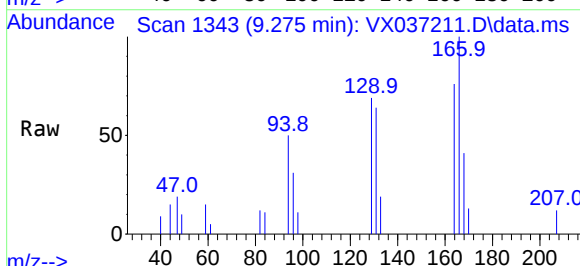
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL



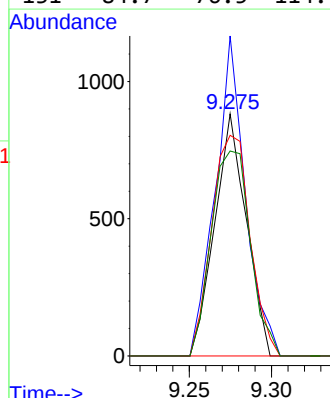
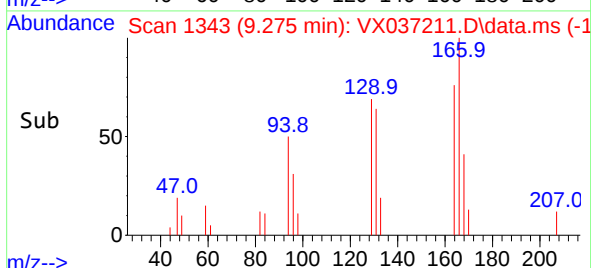
Tgt Ion:117 Resp: 217167
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 32.3 25.5 38.3

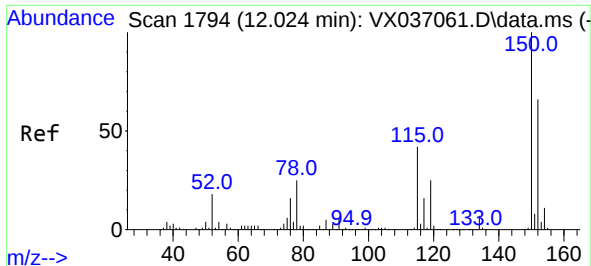


#64
Tetrachloroethene
Concen: 0.746 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04



Tgt Ion:164 Resp: 1182
Ion Ratio Lower Upper
164 100
166 132.2 102.7 154.1
129 91.2 80.4 120.6
131 84.7 76.5 114.7

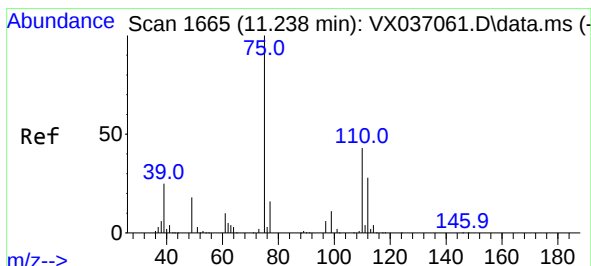
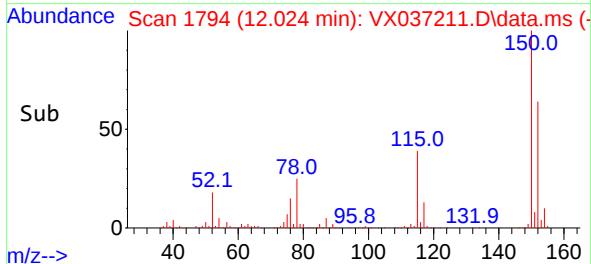
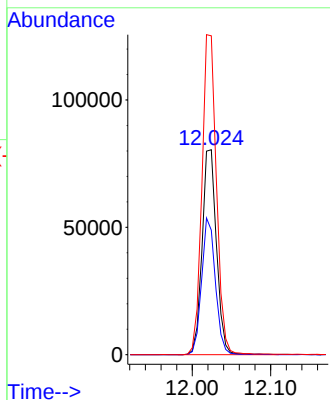
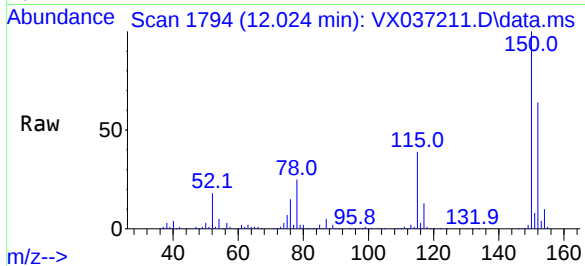




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

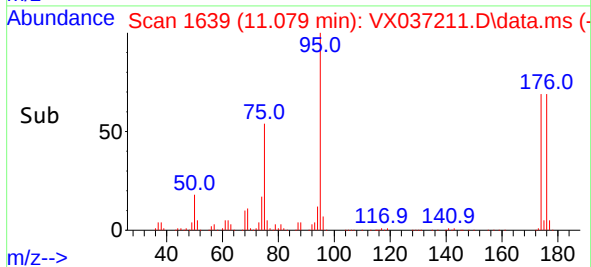
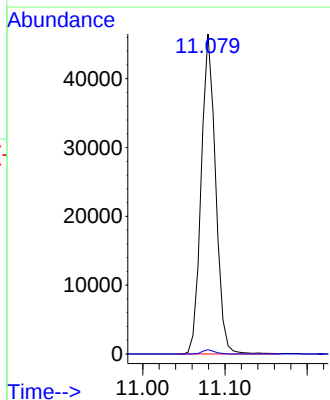
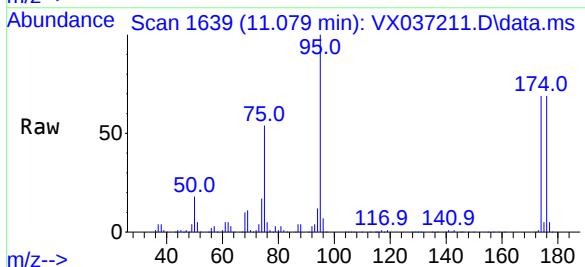
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230816DL

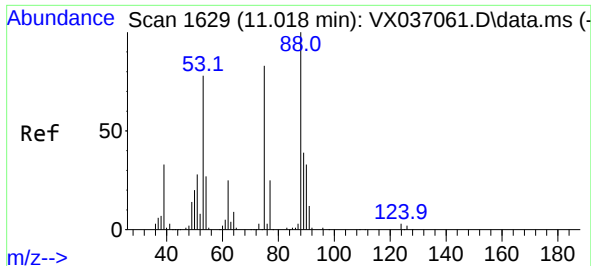
Tgt Ion:152 Resp: 102610
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 157.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037211.D
Acq: 24 Aug 2023 13:04

Tgt Ion: 75 Resp: 56624
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.373 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037211.D
 Acq: 24 Aug 2023 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230816DL

Tgt Ion: 75 Resp: 56624
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

