

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032911.D
 Acq On : 17 Nov 2022 19:30
 Operator : JC/MD
 Sample : N5672-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D-20221116

Quant Time: Nov 18 01:42:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

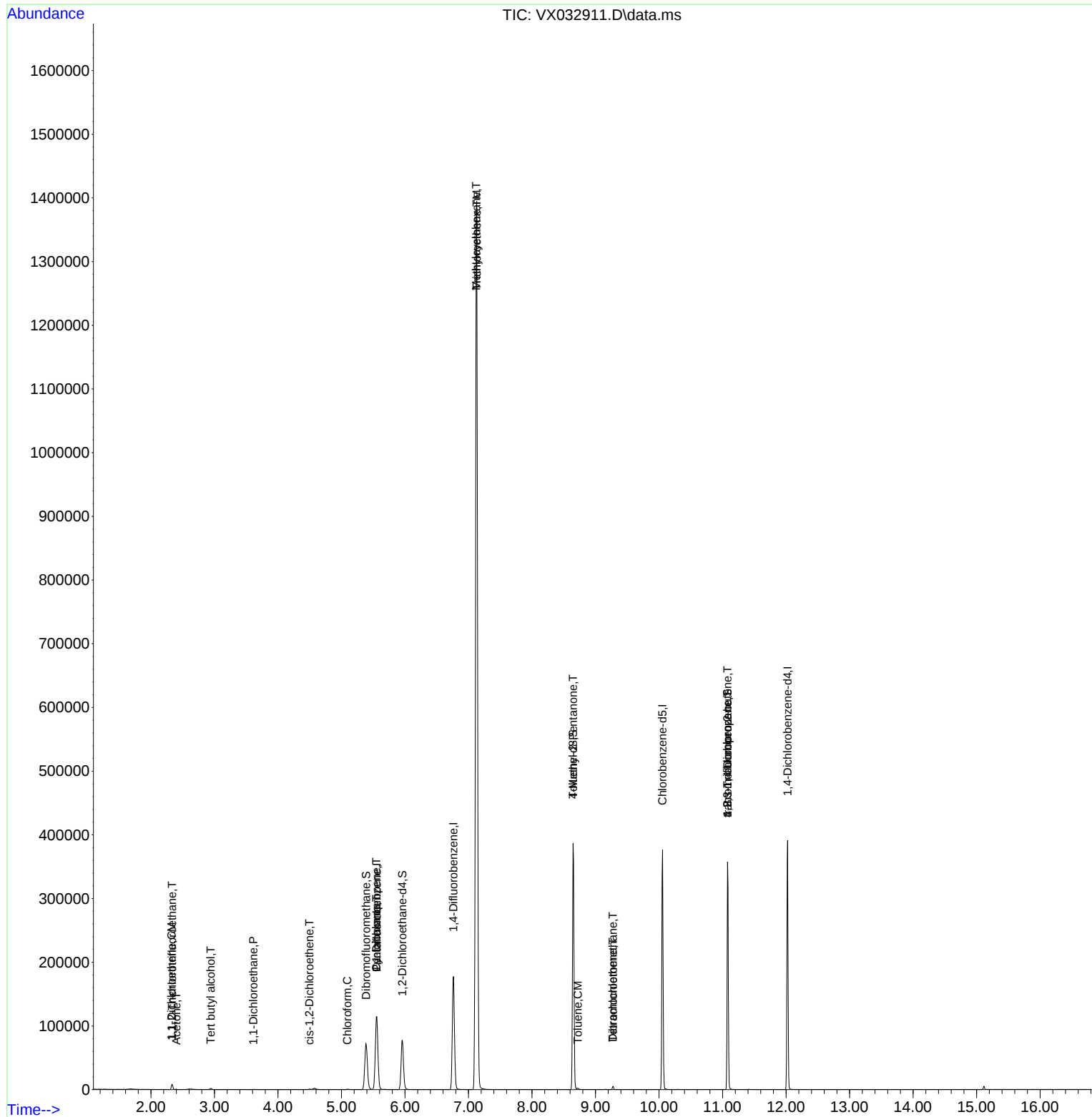
Internal Standards						
1) Pentafluorobenzene	5.556	168	111146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77776	50.362	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.720%	
35) Dibromofluoromethane	5.385	113	62122	48.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.300%	
50) Toluene-d8	8.647	98	227798	50.775	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	11.079	95	89737	51.205	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.420%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	3012	2.524	ug/l	99
11) Tert butyl alcohol	2.941	59	1067	4.747	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	377	0.338	ug/l	96
16) Acetone	2.398	43	762	1.358	ug/l	93
24) 1,1-Dichloroethane	3.611	63	591	0.267	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	591	0.421	ug/l	76
30) Chloroform	5.093	83	842	0.347	ug/l	94
31) Cyclohexane	5.550	56	2345	1.252	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8318	4.630	ug/l #	50
39) Methylcyclohexane	7.123	83	6252	2.941	ug/l #	1
44) Trichloroethene	7.129	130	536277	374.681	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1027	0.568	ug/l #	1
52) Toluene	8.720	92	826	0.249	ug/l	95
60) Dibromochloromethane	9.275	129	965	0.632	ug/l #	11
64) Tetrachloroethene	9.275	164	911	0.746	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	47981	27.562	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	47981	87.702	ug/l #	6

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

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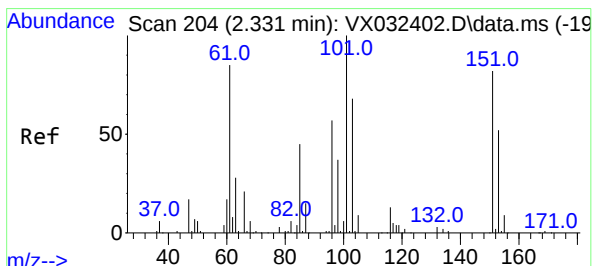
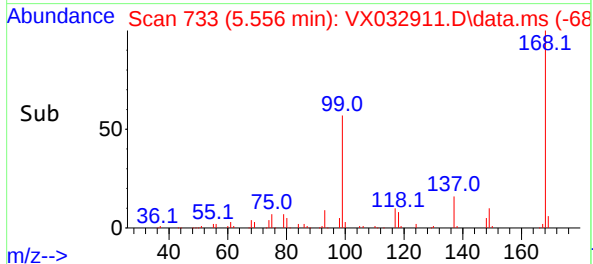
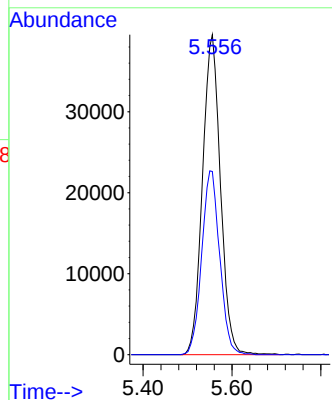
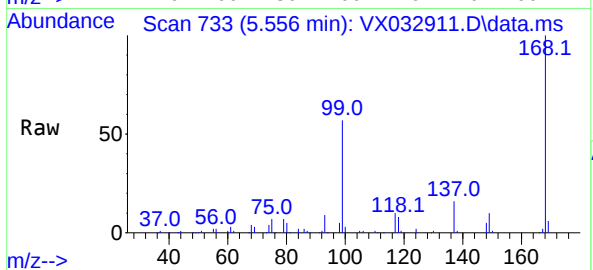




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

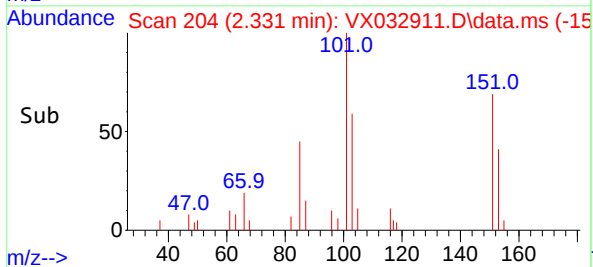
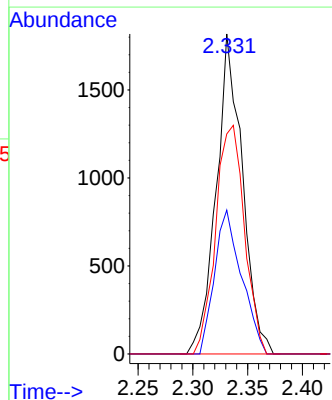
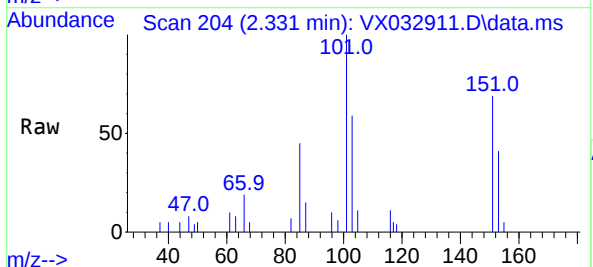
Instrument :
MSVOA_X
ClientSampleId :
RE103D-20221116

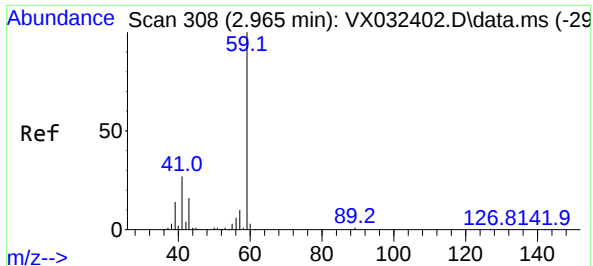
Tgt Ion:168 Resp: 111146
Ion Ratio Lower Upper
168 100
99 57.2 46.1 69.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.524 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion:101 Resp: 3012
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.4
151 78.7 64.4 96.6

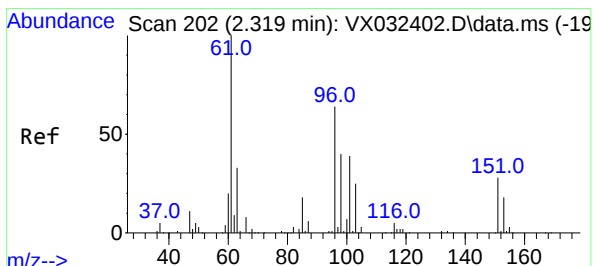
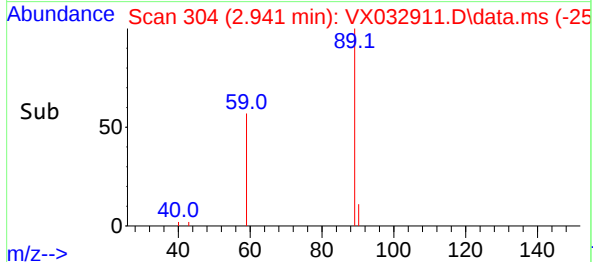
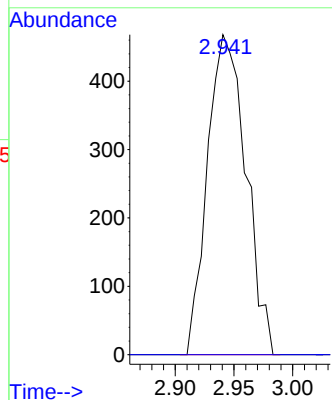
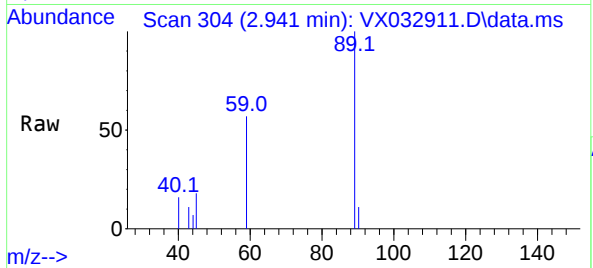




#11
Tert butyl alcohol
Concen: 4.747 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

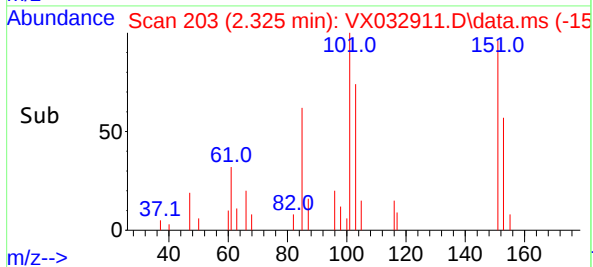
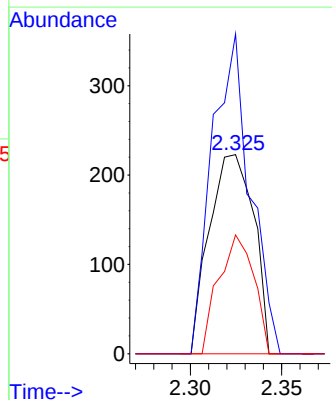
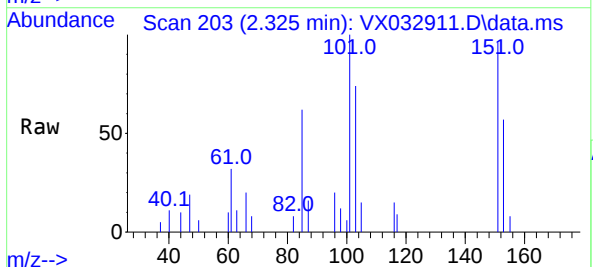
Instrument :
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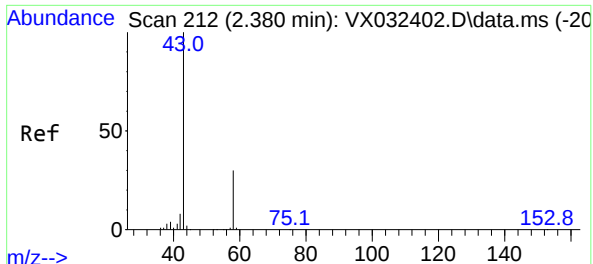
Tgt Ion: 59 Resp: 1067
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.338 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 96 Resp: 377
Ion Ratio Lower Upper
96 100
61 160.5 125.1 187.7
98 59.6 50.6 76.0

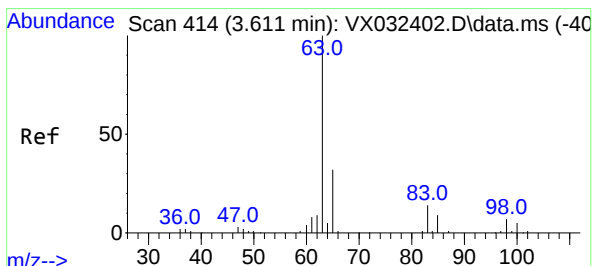
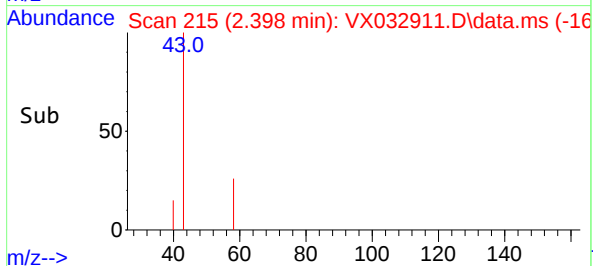
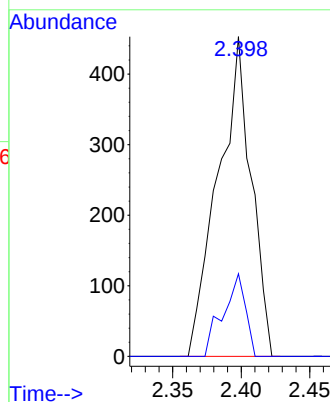
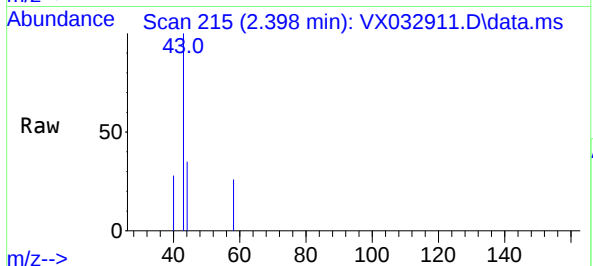




#16
Acetone
Concen: 1.358 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

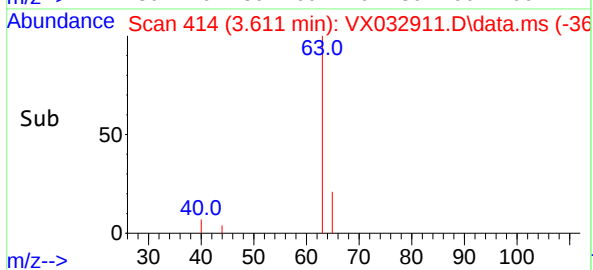
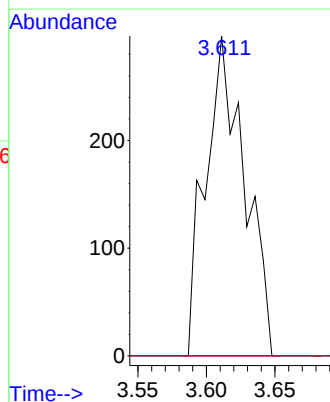
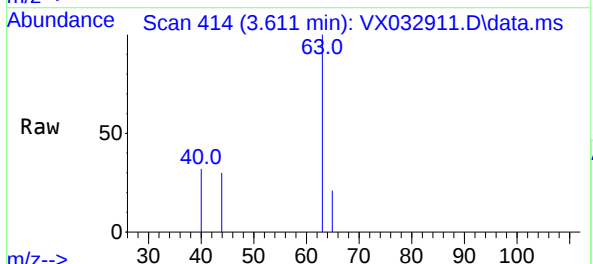
Instrument :
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RE103D-20221116

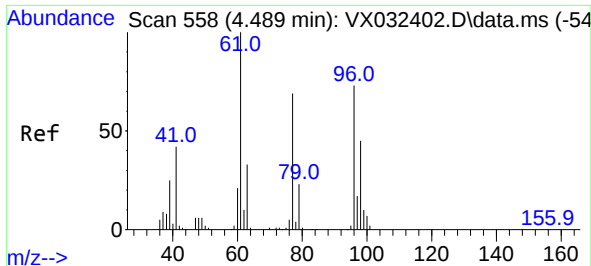
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 25.8 23.8 35.8



#24
1,1-Dichloroethane
Concen: 0.267 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 63 Resp: 591
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#

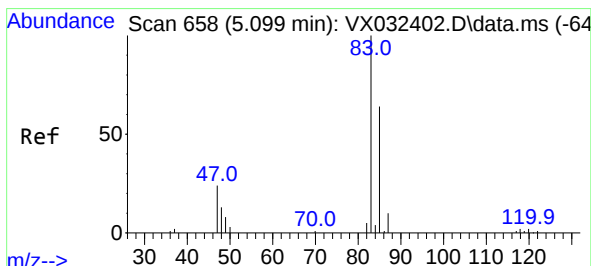
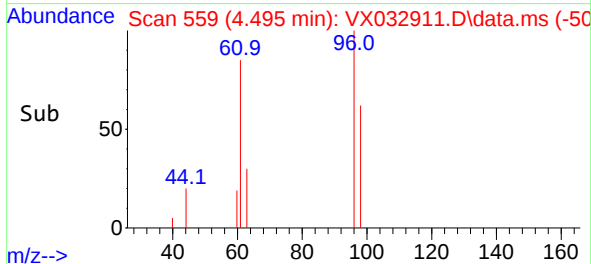
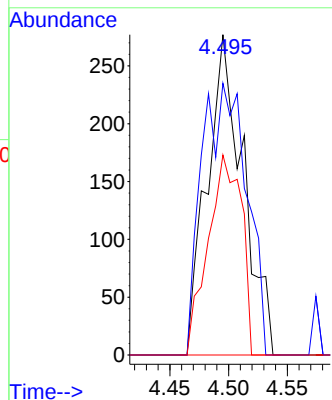
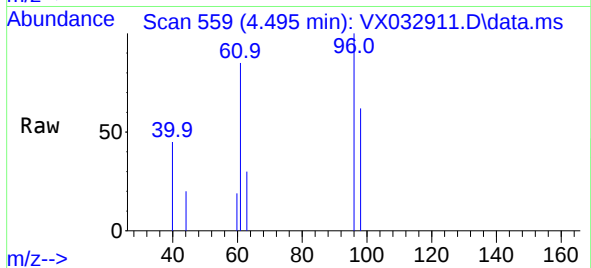




#27
 cis-1,2-Dichloroethene
 Concen: 0.421 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX032911.D
 Acq: 17 Nov 2022 19:30

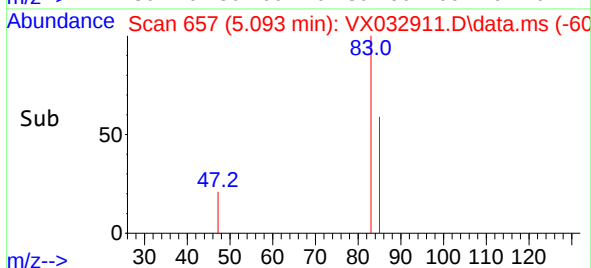
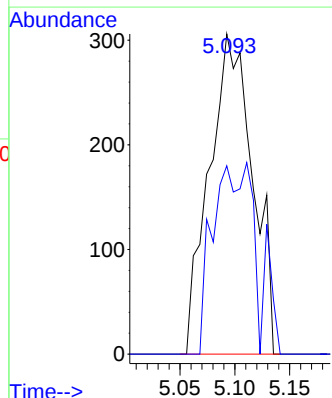
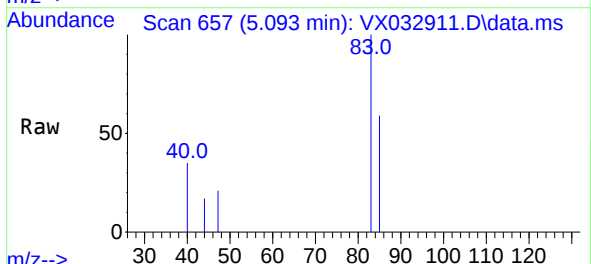
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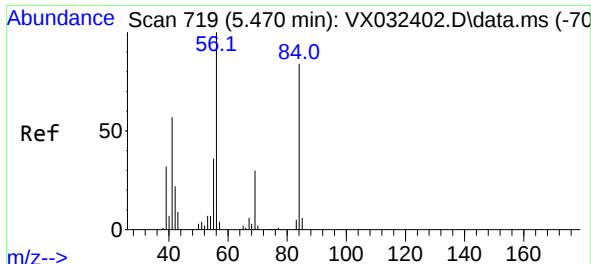
Tgt Ion: 96	Resp:	591
Ion	Ratio	Lower Upper
96	100	
61	105.8	0.0 286.0
98	57.9	0.0 129.6



#30
 Chloroform
 Concen: 0.347 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. -0.006 min
 Lab File: VX032911.D
 Acq: 17 Nov 2022 19:30

Tgt Ion: 83	Resp:	842
Ion	Ratio	Lower Upper
83	100	
85	58.8	51.1 76.7

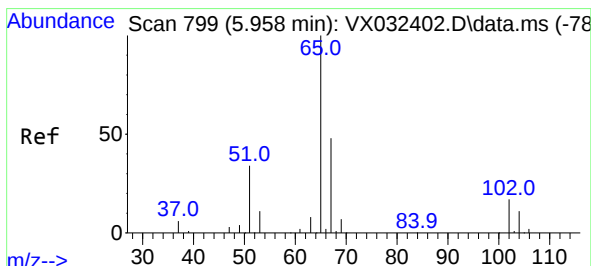
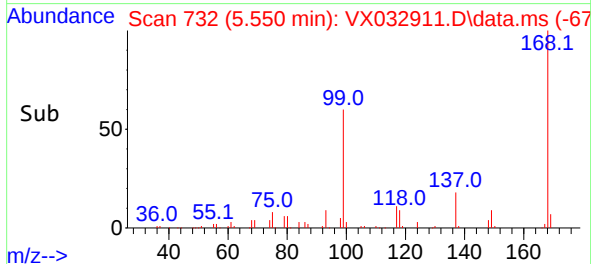
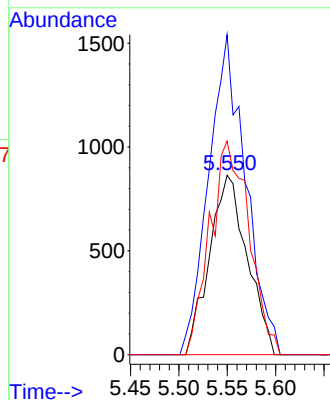
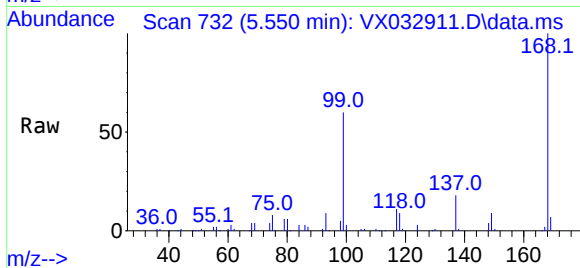




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

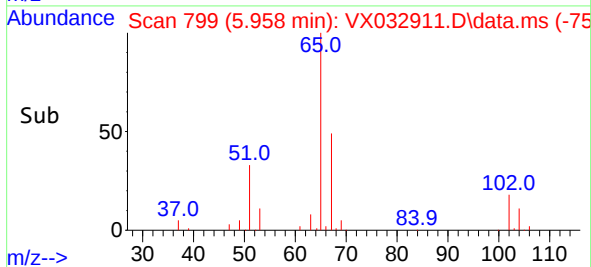
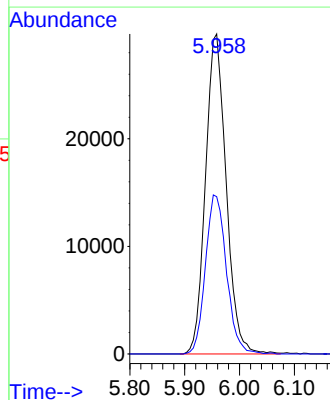
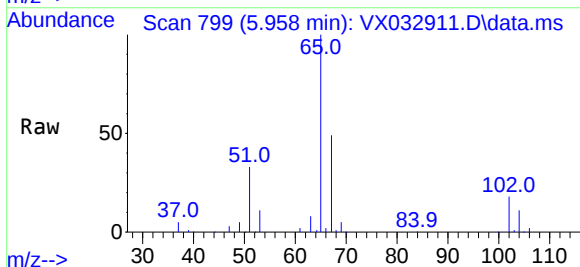
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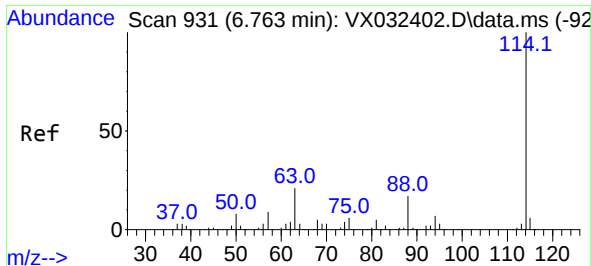
Tgt Ion: 56 Resp: 2345
Ion Ratio Lower Upper
56 100
69 178.4 24.1 36.1#
84 119.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.362 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 65 Resp: 77776
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032911.D

Acq: 17 Nov 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D-20221116

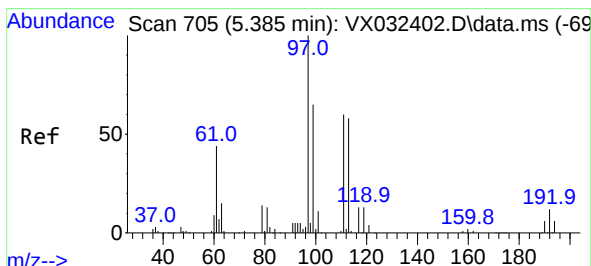
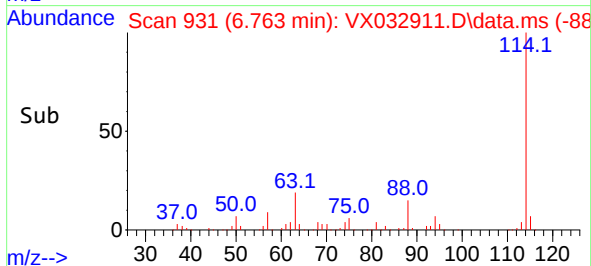
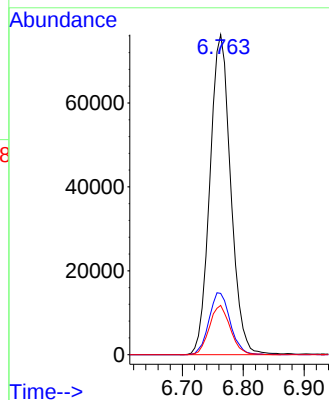
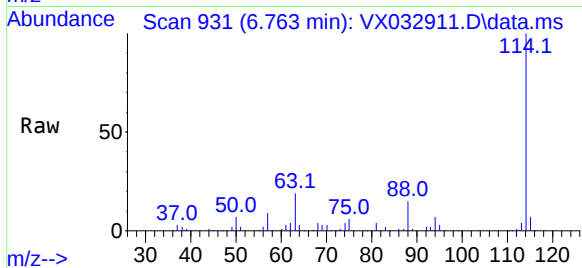
Tgt Ion:114 Resp: 180879

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.6

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032911.D

Acq: 17 Nov 2022 19:30

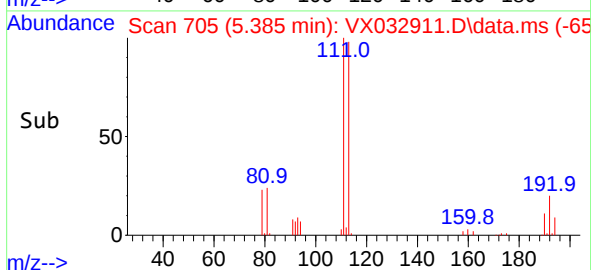
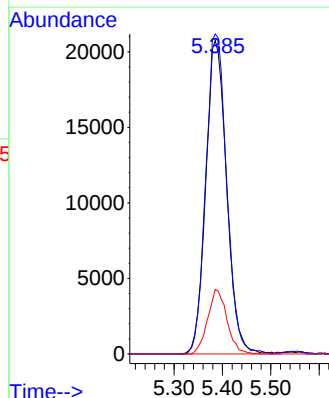
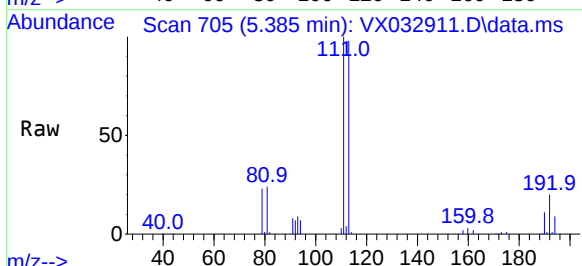
Tgt Ion:113 Resp: 62122

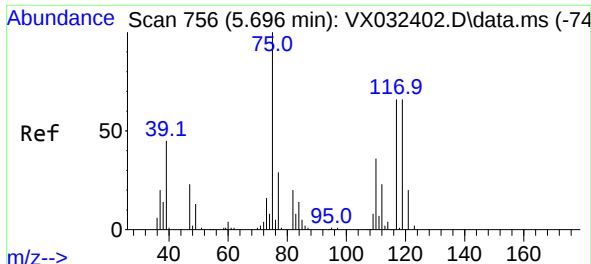
Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 19.1 15.4 23.2

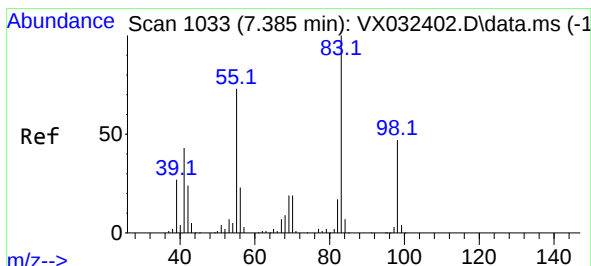
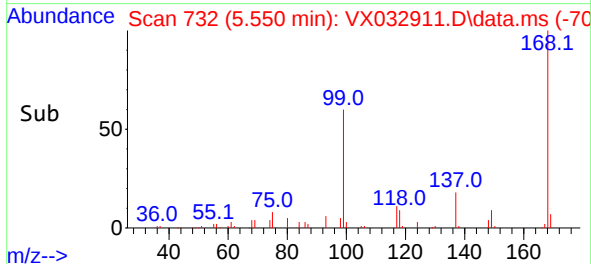
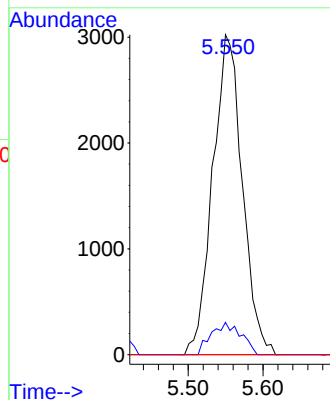
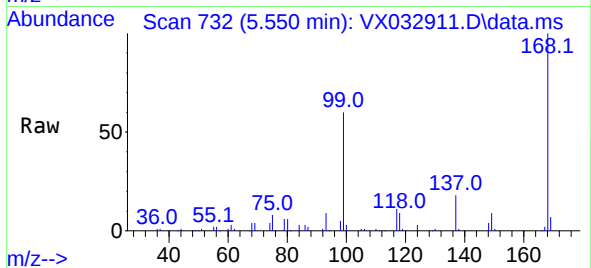




#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

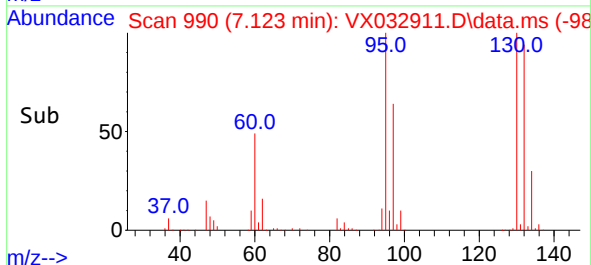
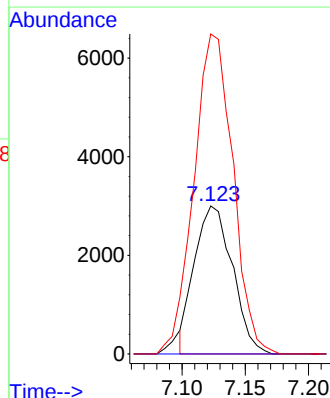
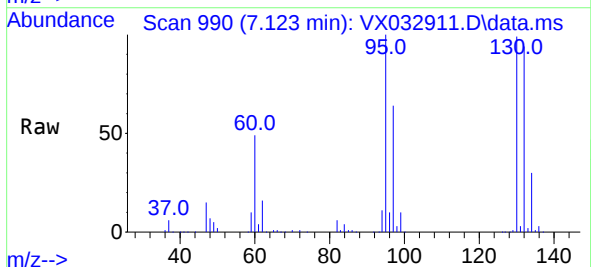
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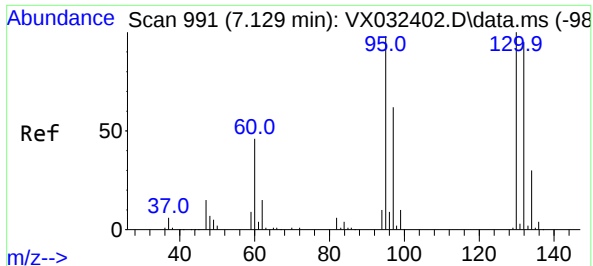
Tgt Ion: 75 Resp: 8318
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.941 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 83 Resp: 6252
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 216.1 37.2 55.8#

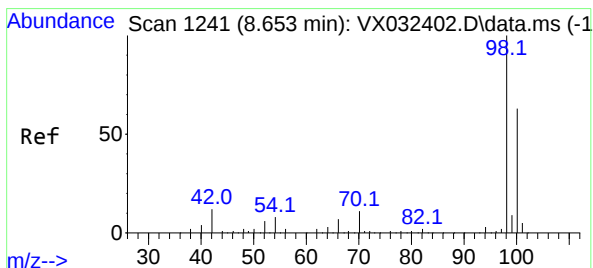
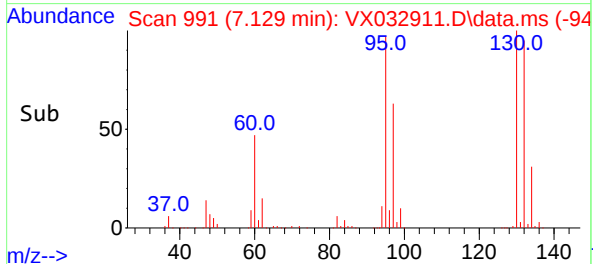
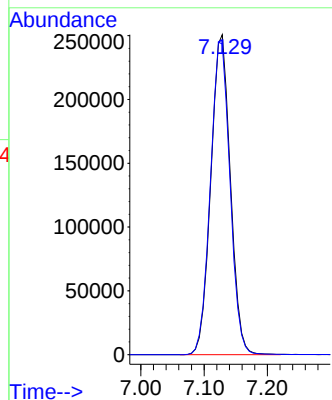
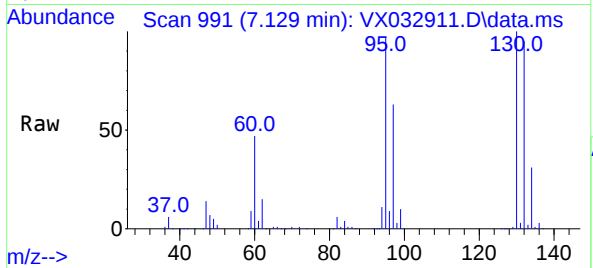




#44
Trichloroethene
Concen: 374.681 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

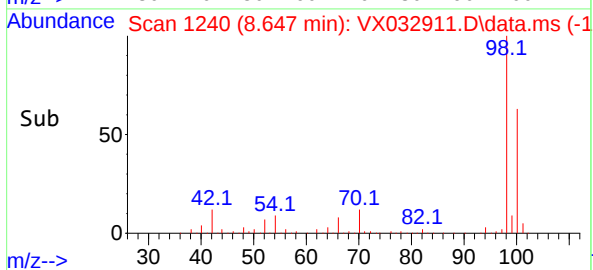
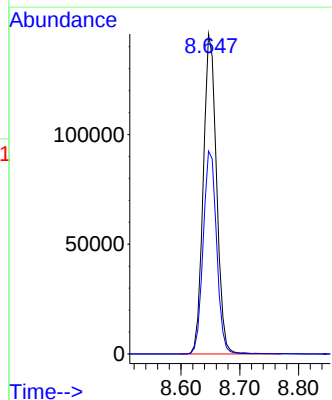
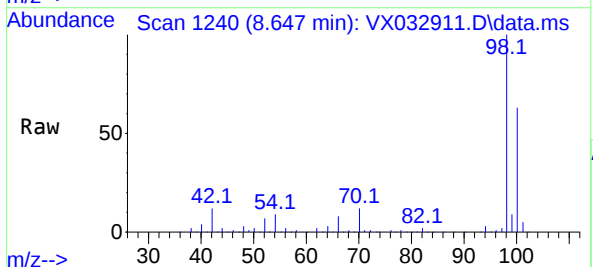
Instrument :
MSVOA_X
ClientSampleId :
RE103D-20221116

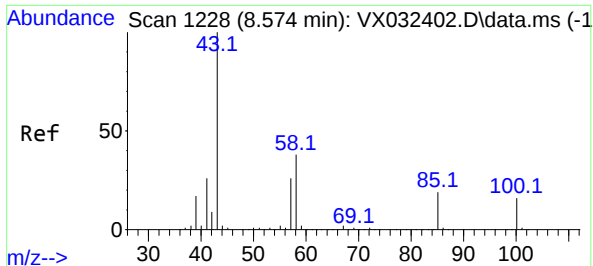
Tgt Ion:130 Resp: 536277
Ion Ratio Lower Upper
130 100
95 97.1 0.0 195.2



#50
Toluene-d8
Concen: 50.775 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 98 Resp: 227798
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.568 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032911.D

Acq: 17 Nov 2022 19:30

Instrument :

MSVOA_X

ClientSampleId :

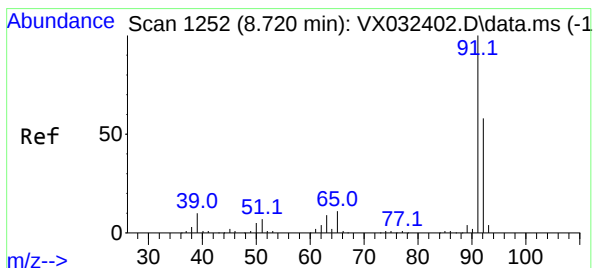
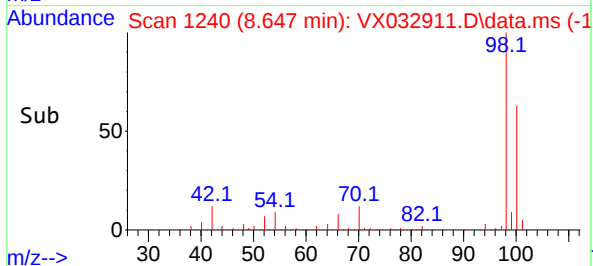
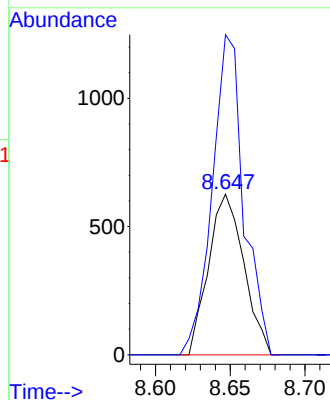
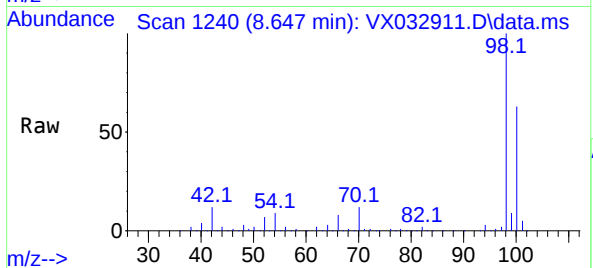
RE103D-20221116

Tgt Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

58 178.3 30.9 46.3#



#52

Toluene

Concen: 0.249 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032911.D

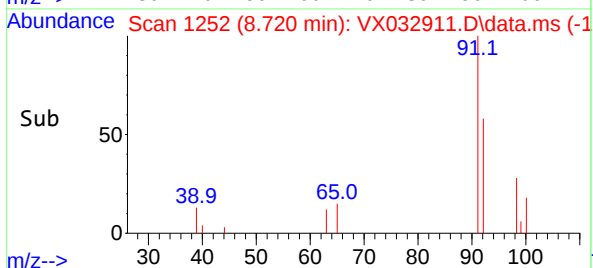
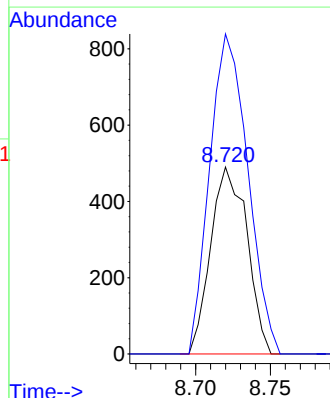
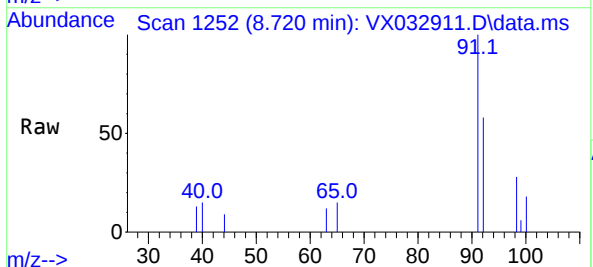
Acq: 17 Nov 2022 19:30

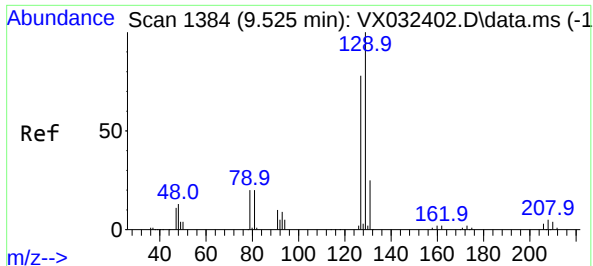
Tgt Ion: 92 Resp: 826

Ion Ratio Lower Upper

92 100

91 180.3 138.3 207.5

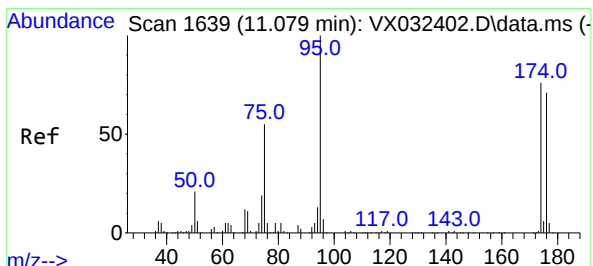
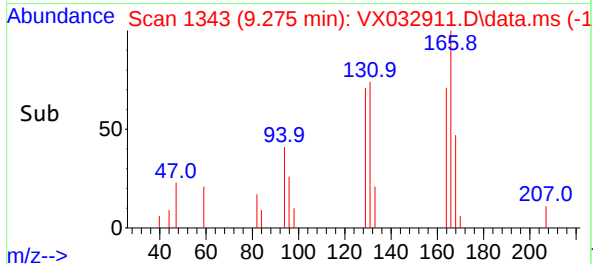
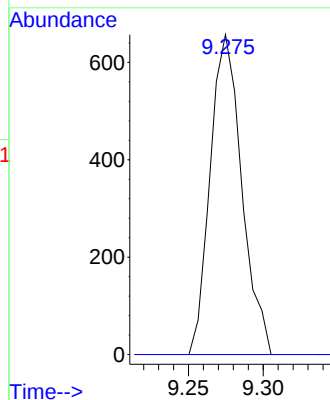
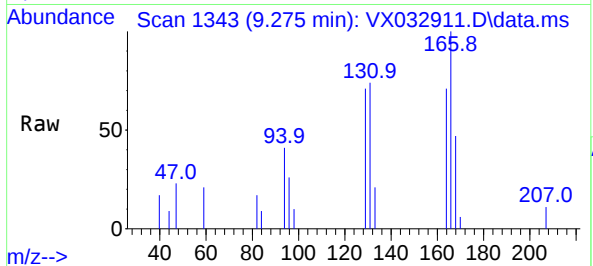




#60
Dibromochloromethane
Concen: 0.632 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

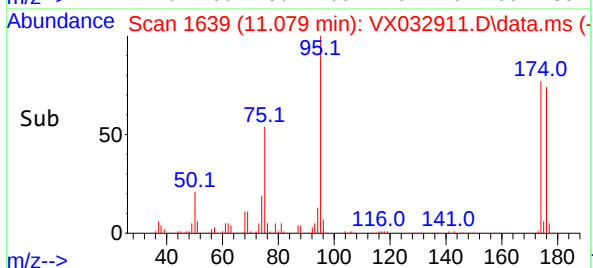
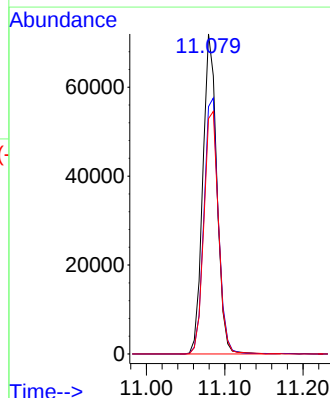
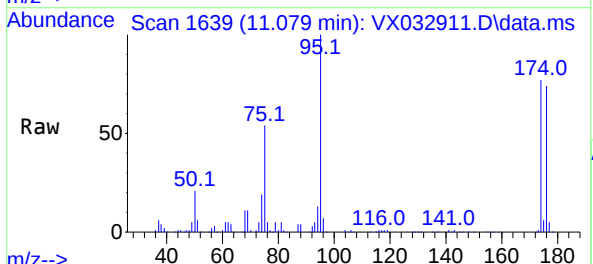
Instrument :
MSVOA_X
ClientSampleId :
RE103D-20221116

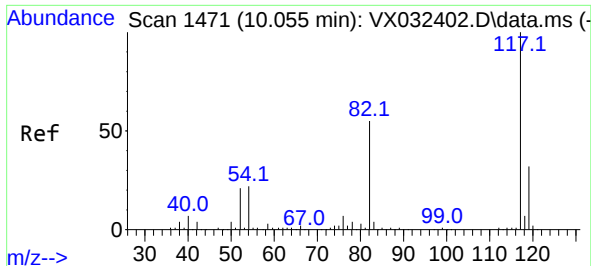
Tgt Ion:129 Resp: 965
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 51.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion: 95 Resp: 89737
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 78.6 0.0 154.4

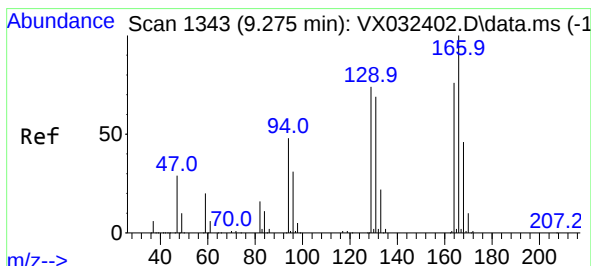
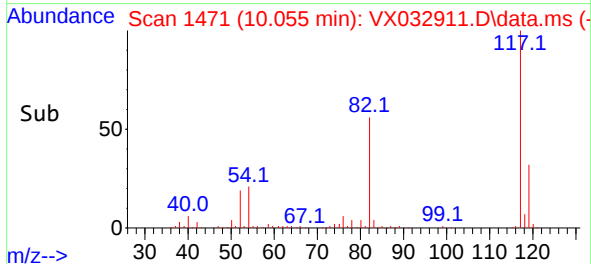
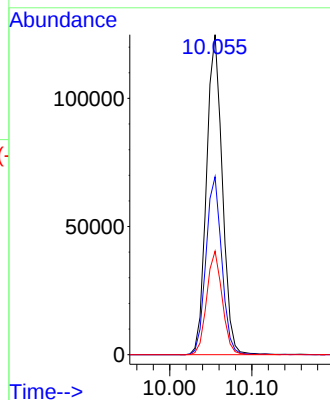
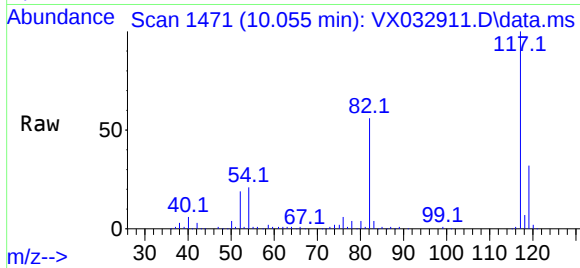




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

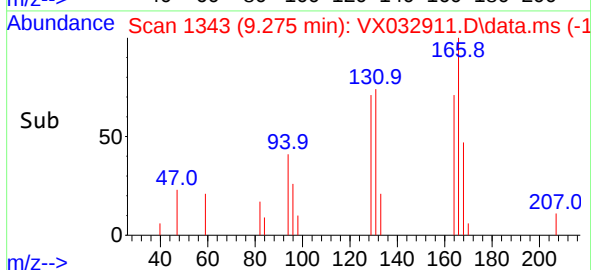
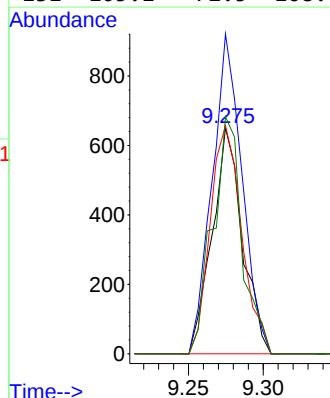
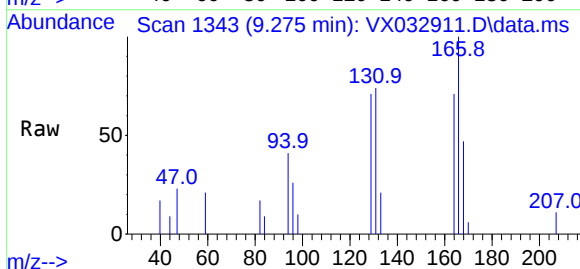
Instrument :
MSVOA_X
ClientSampleId :
RE103D-20221116

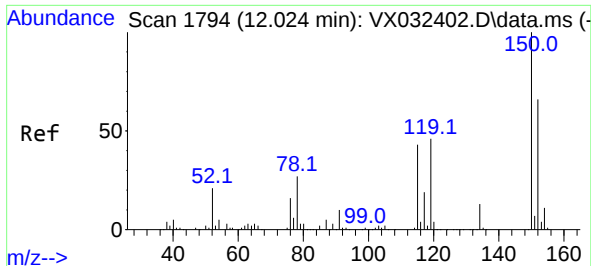
Tgt Ion:117 Resp: 166944
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 0.746 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

Tgt Ion:164 Resp: 911
Ion Ratio Lower Upper
164 100
166 141.7 105.4 158.2
129 101.1 78.2 117.2
131 105.1 72.5 108.7

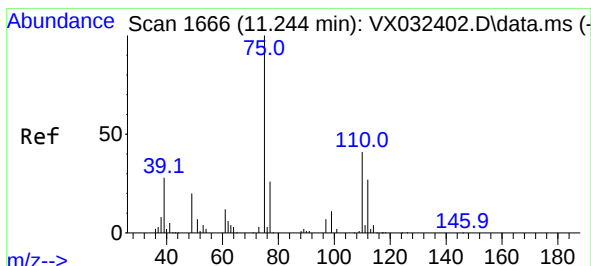
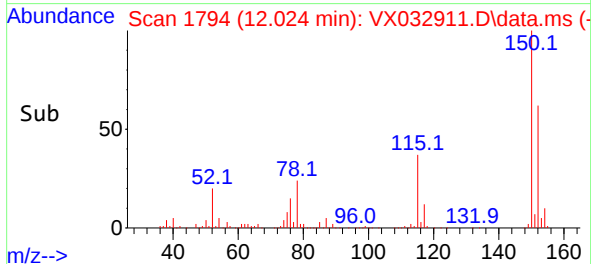
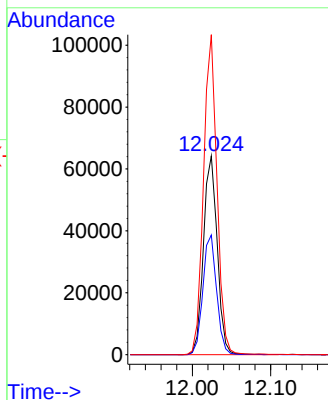
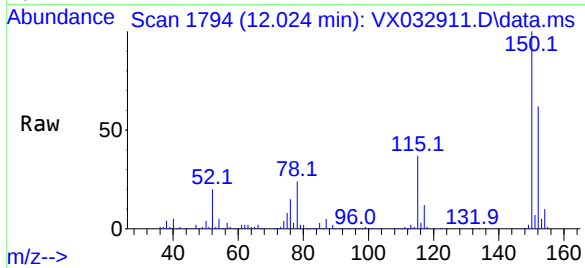




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

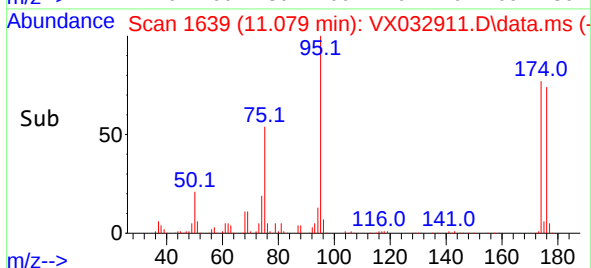
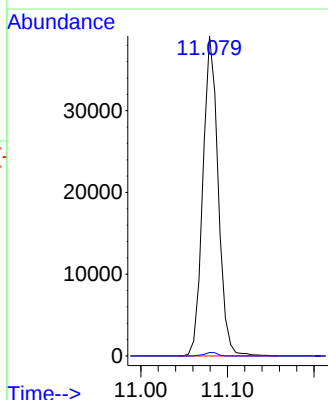
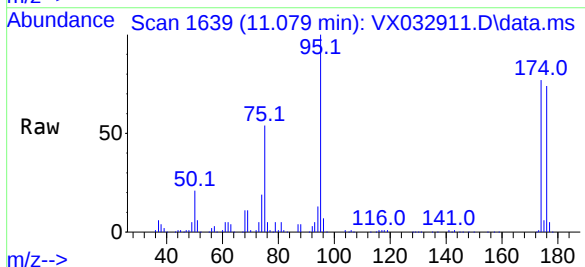
Instrument :
MSVOA_X
ClientSampleId :
RE103D-20221116

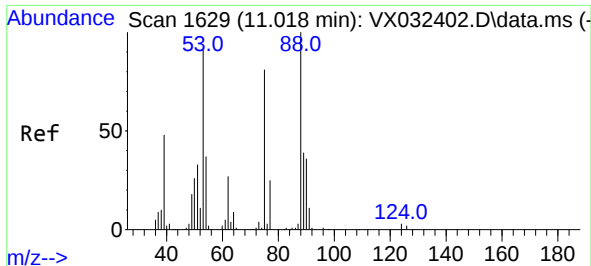
Tgt Ion:152 Resp: 78249
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 157.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.562 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032911.D
Acq: 17 Nov 2022 19:30

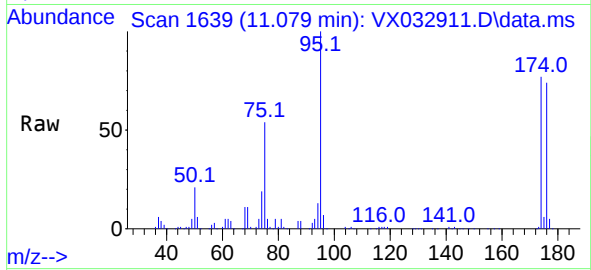
Tgt Ion: 75 Resp: 47981
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.702 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032911.D
 Acq: 17 Nov 2022 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D-20221116



Tgt Ion: 75 Resp: 47981
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

