

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032909.D
 Acq On : 17 Nov 2022 18:44
 Operator : JC/MD
 Sample : N5672-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20221116

Quant Time: Nov 18 01:42:33 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)

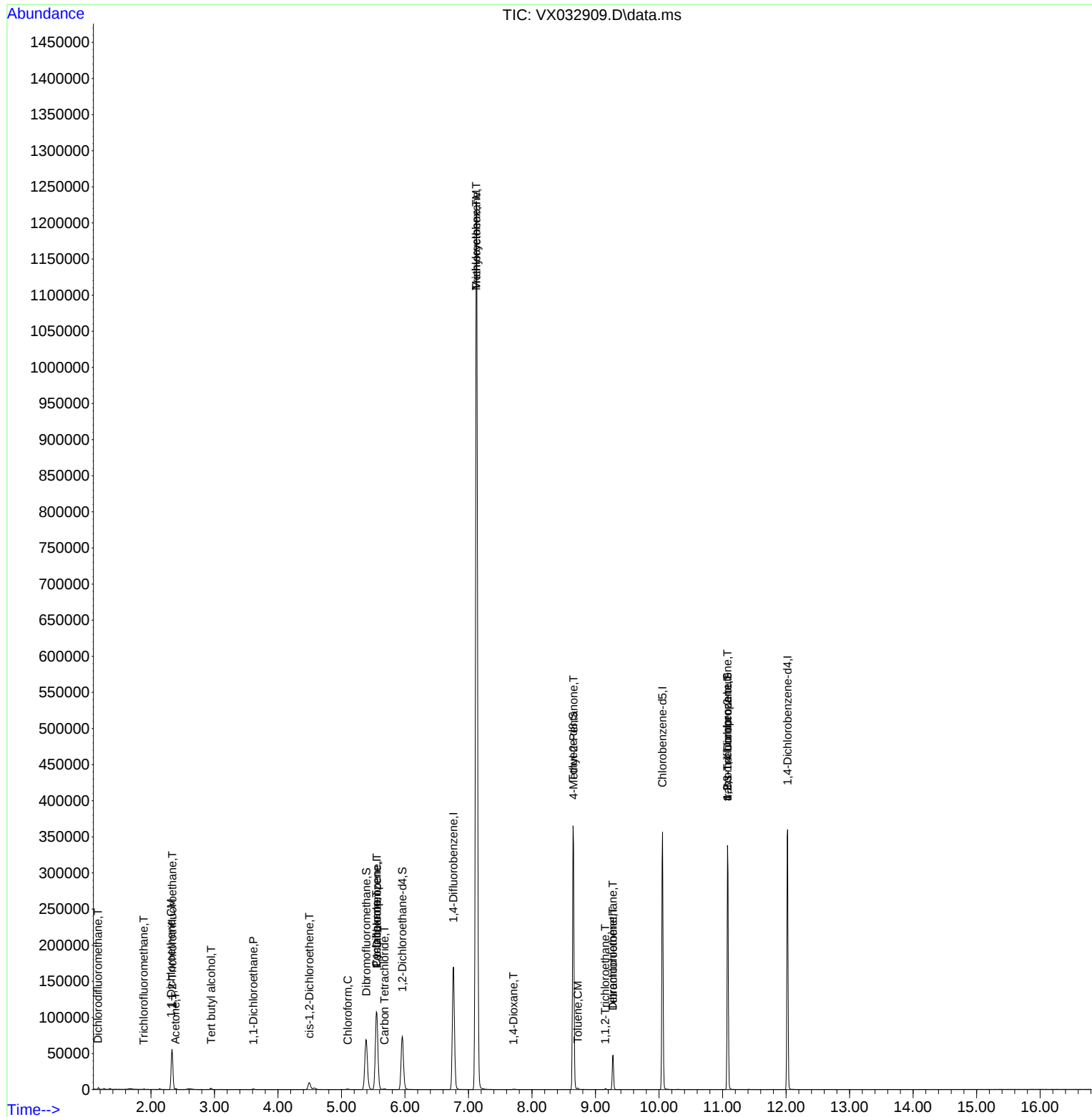
Internal Standards						
1) Pentafluorobenzene	5.556	168	102239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74820	52.668	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.340%	
35) Dibromofluoromethane	5.391	113	59746	48.697	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.400%	
50) Toluene-d8	8.647	98	215857	50.598	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	83669	50.208	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	529	0.449	ug/l	78
7) Trichlorofluoromethane	1.886	101	453	0.218	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	17600	16.035	ug/l	97
11) Tert butyl alcohol	2.947	59	1069	5.170	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	4761	4.643	ug/l	90
16) Acetone	2.386	43	640	1.240	ug/l	89
24) 1,1-Dichloroethane	3.611	63	1206	0.593	ug/l #	89
27) cis-1,2-Dichloroethene	4.495	96	6686	5.183	ug/l	86
30) Chloroform	5.099	83	1180	0.529	ug/l #	81
31) Cyclohexane	5.550	56	2232	1.296	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	8209	4.805	ug/l #	50
38) Carbon Tetrachloride	5.678	117	751	0.396	ug/l #	81
39) Methylcyclohexane	7.123	83	5482	2.712	ug/l #	1
44) Trichloroethene	7.123	130	470094	345.398	ug/l	96
49) 1,4-Dioxane	7.708	88	738	27.460	ug/l #	26
51) 4-Methyl-2-Pentanone	8.653	43	1075	0.625	ug/l #	1
52) Toluene	8.720	92	740	0.235	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	426	0.321	ug/l	95
60) Dibromochloromethane	9.275	129	8575	5.910	ug/l #	11
64) Tetrachloroethene	9.275	164	8795	7.654	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	45650	27.686	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45650	88.097	ug/l #	6

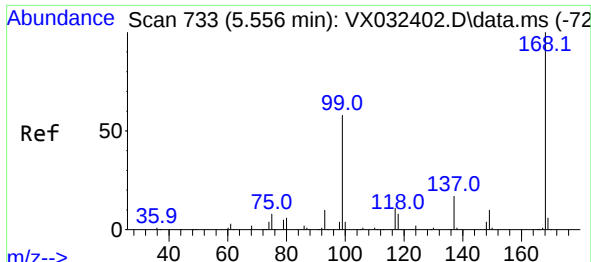
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE125D2-20221116

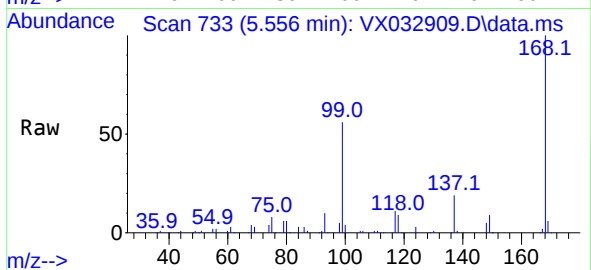
Quant Time: Nov 18 01:42:33 2022
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QLast Update : Thu Oct 27 08:28:06 2022
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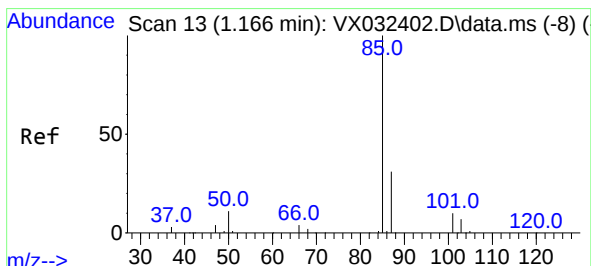
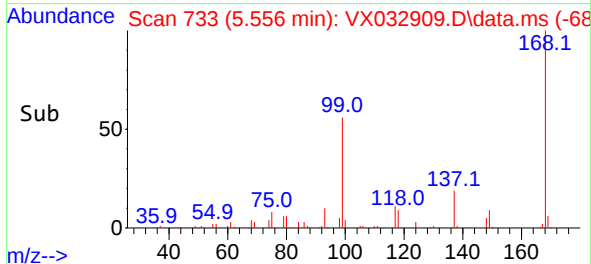
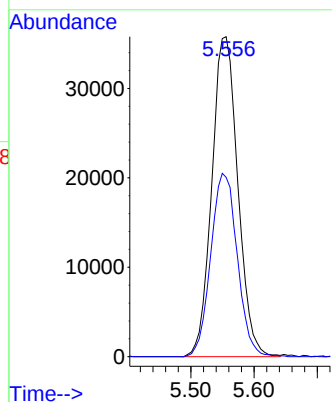


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Instrument :
MSVOA_X
ClientSampleId :
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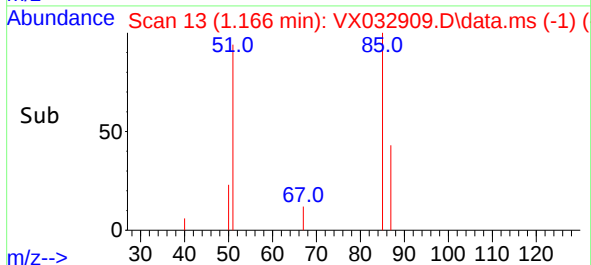
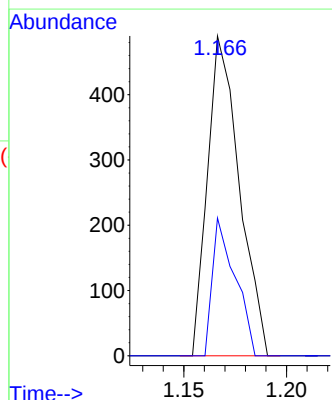
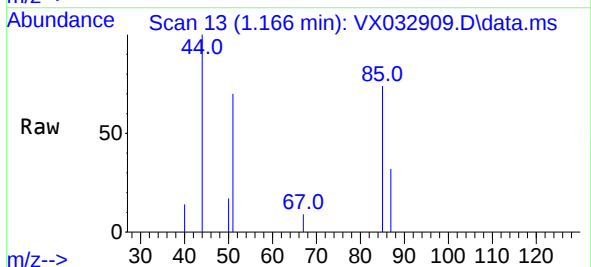


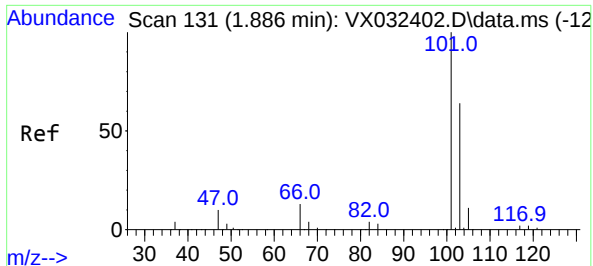
Tgt Ion:168 Resp: 102239
Ion Ratio Lower Upper
168 100
99 56.0 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.449 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 85 Resp: 529
Ion Ratio Lower Upper
85 100
87 43.1 15.6 46.7

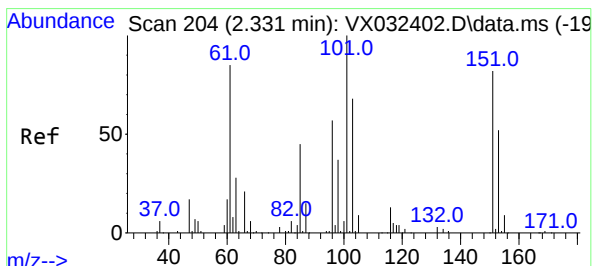
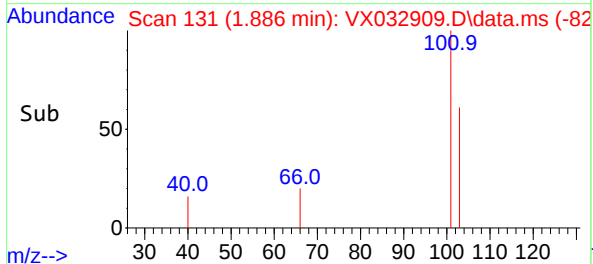
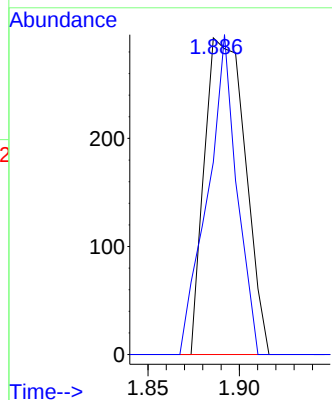
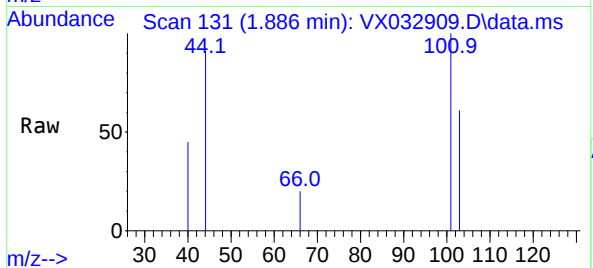




#7
Trichlorofluoromethane
Concen: 0.218 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

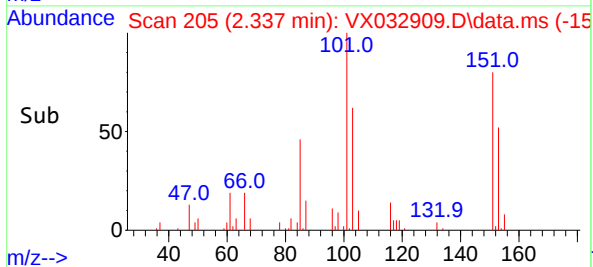
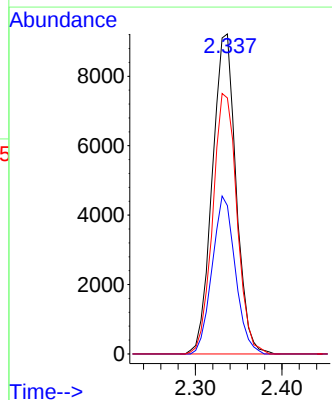
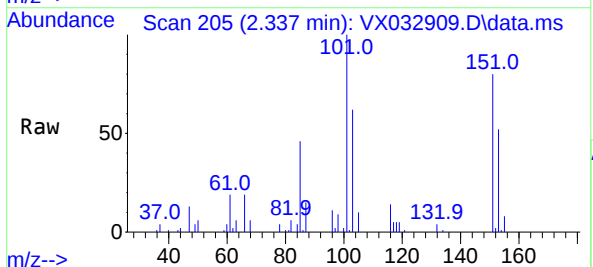
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

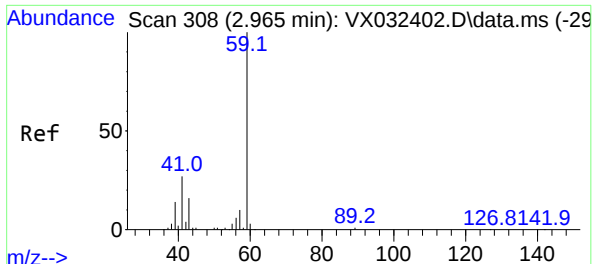
Tgt Ion:101 Resp: 453
Ion Ratio Lower Upper
101 100
103 60.8 51.4 77.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.035 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion:101 Resp: 17600
Ion Ratio Lower Upper
101 100
85 48.0 37.0 55.4
151 82.8 64.4 96.6

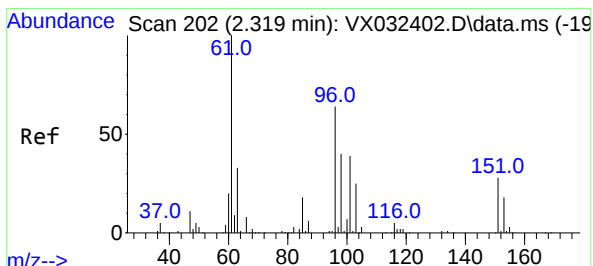
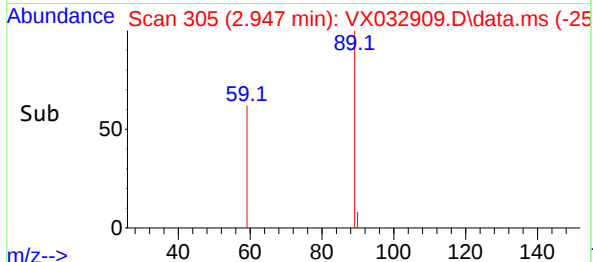
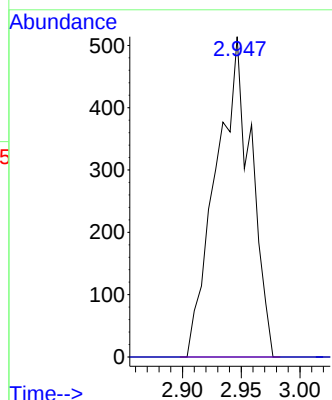
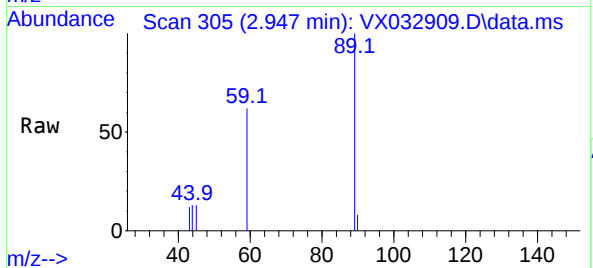




#11
Tert butyl alcohol
Concen: 5.170 ug/l
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

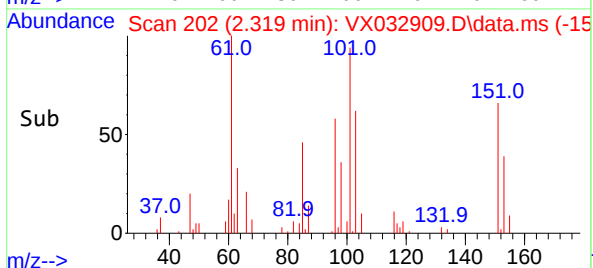
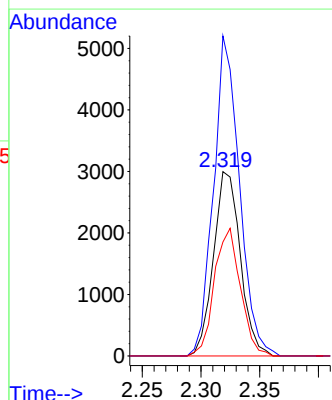
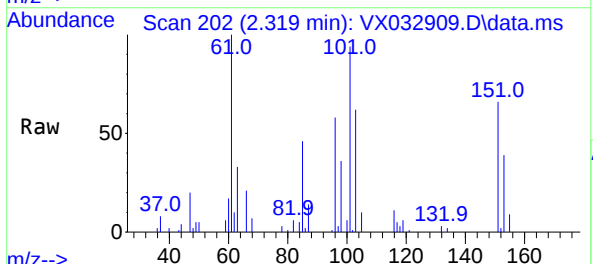
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

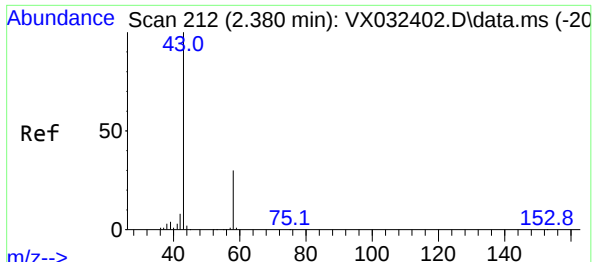
Tgt Ion: 59 Resp: 1069
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 4.643 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 96 Resp: 4761
Ion Ratio Lower Upper
96 100
61 173.7 125.1 187.7
98 61.8 50.6 76.0

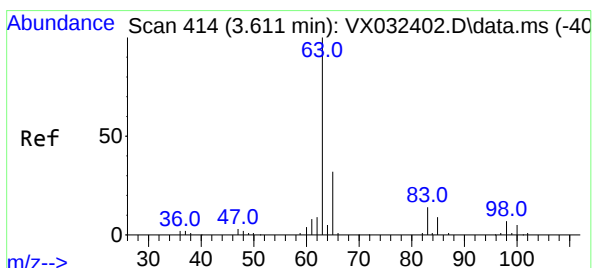
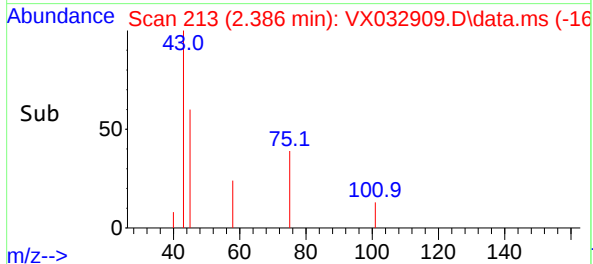
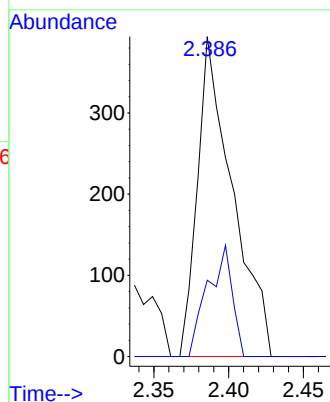
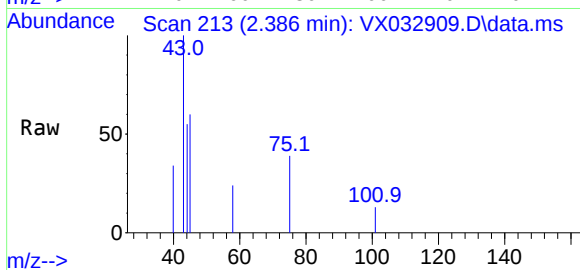




#16
Acetone
Concen: 1.240 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

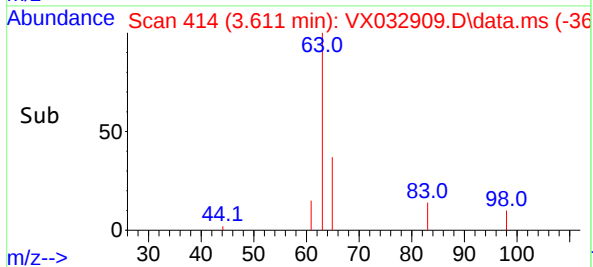
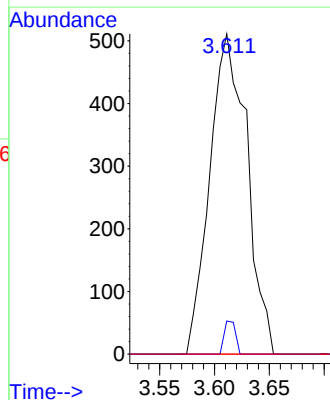
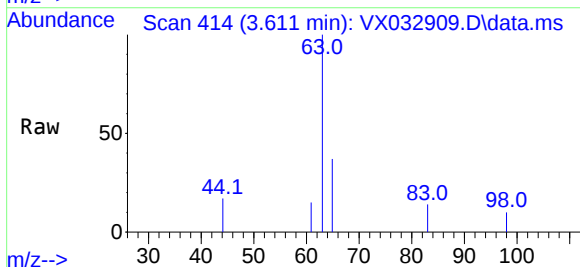
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

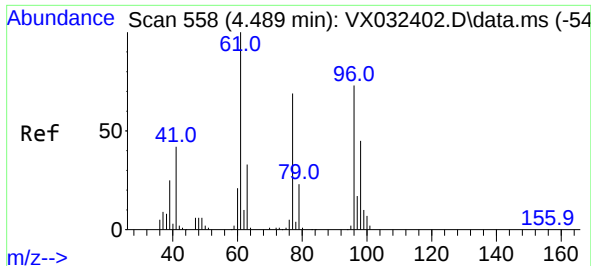
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 23.9 23.8 35.8



#24
1,1-Dichloroethane
Concen: 0.593 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 63 Resp: 1206
Ion Ratio Lower Upper
63 100
98 10.4 3.5 10.4#
100 0.0 2.3 6.8#





#27

cis-1,2-Dichloroethene

Concen: 5.183 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20221116

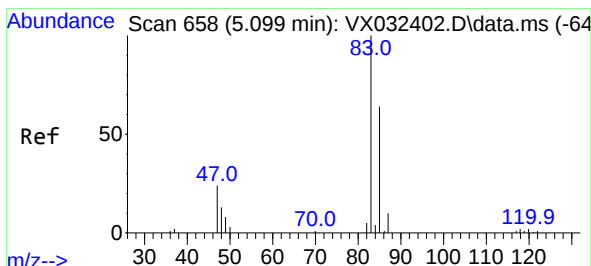
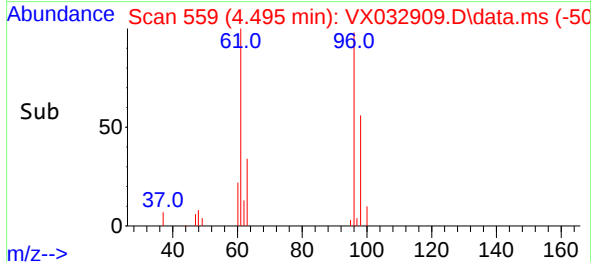
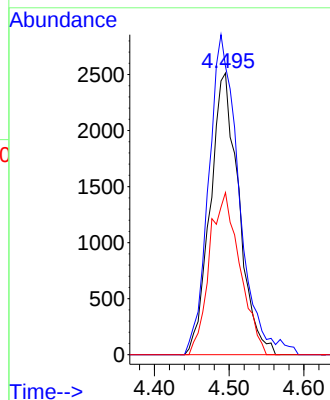
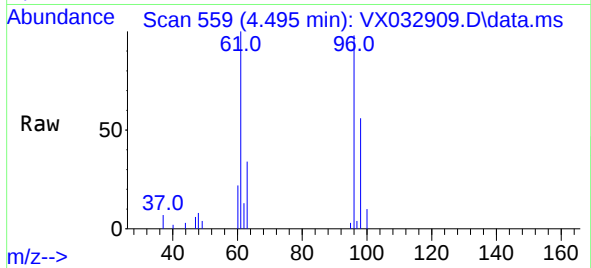
Tgt Ion: 96 Resp: 6686

Ion Ratio Lower Upper

96 100

61 120.9 0.0 286.0

98 61.3 0.0 129.6



#30

Chloroform

Concen: 0.529 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX032909.D

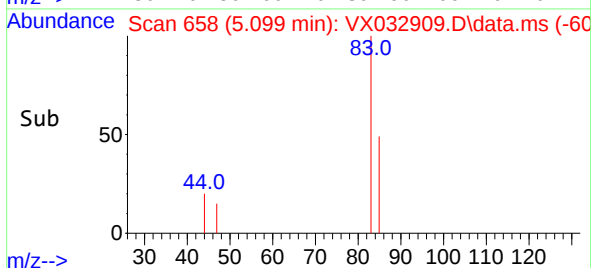
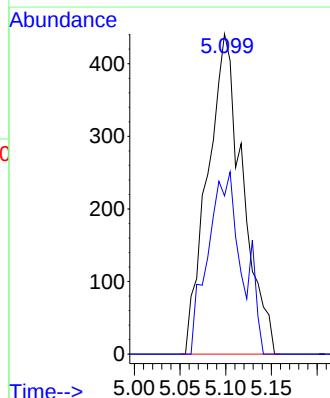
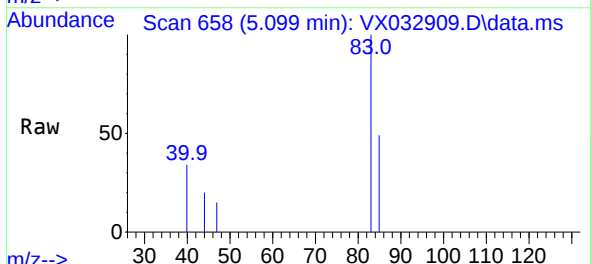
Acq: 17 Nov 2022 18:44

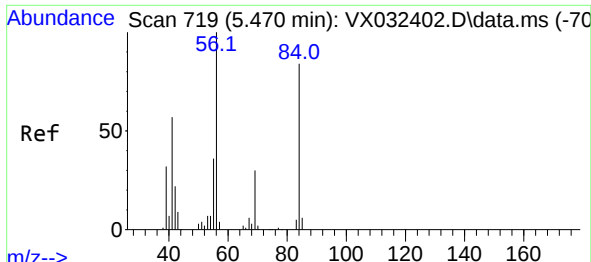
Tgt Ion: 83 Resp: 1180

Ion Ratio Lower Upper

83 100

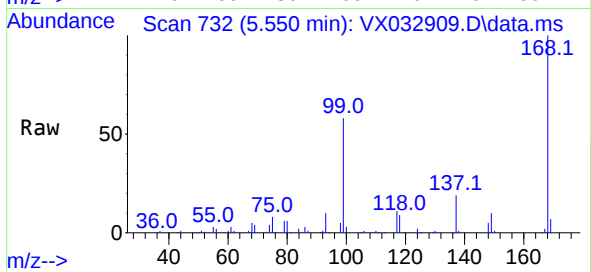
85 49.4 51.1 76.7#



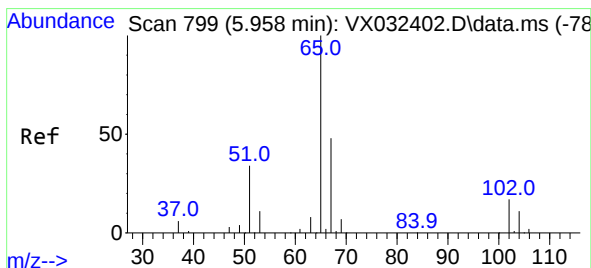
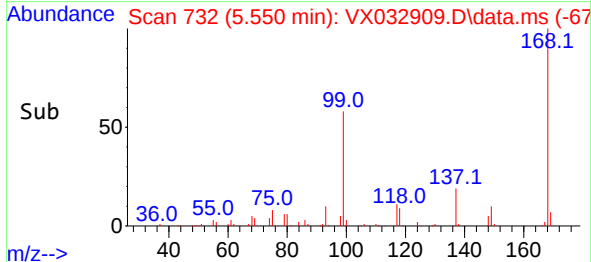
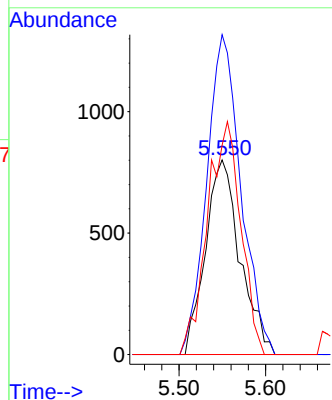


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

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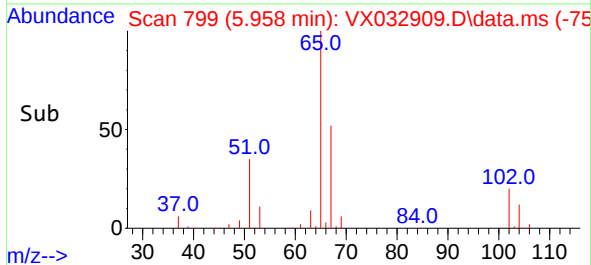
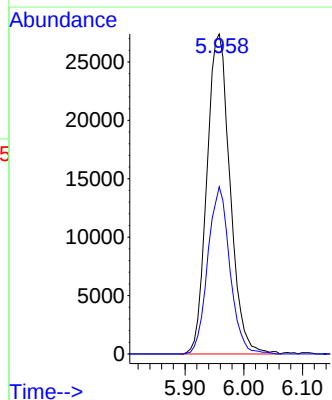
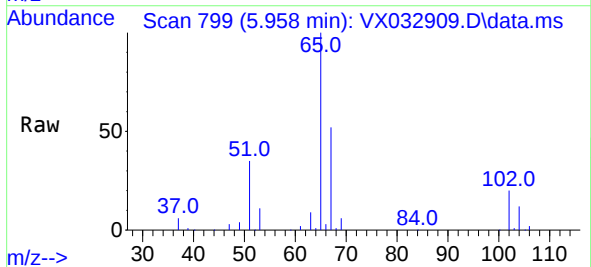


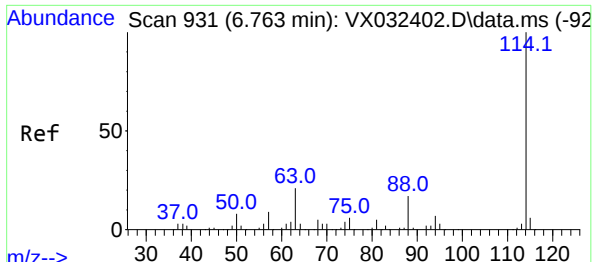
Tgt Ion: 56 Resp: 2232
Ion Ratio Lower Upper
56 100
69 164.4 24.1 36.1#
84 107.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.668 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 65 Resp: 74820
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

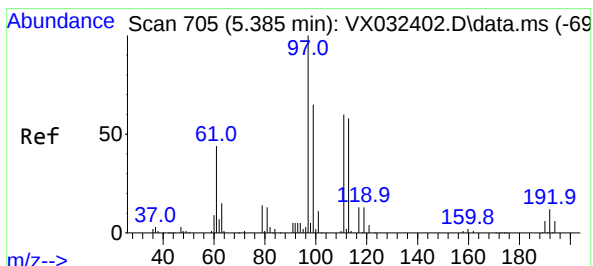
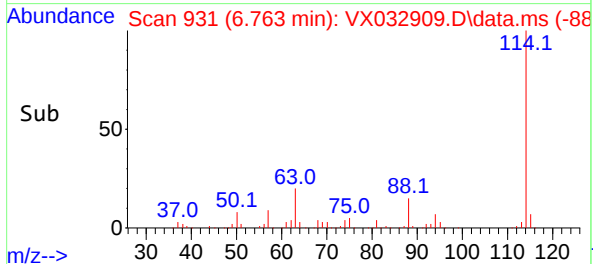
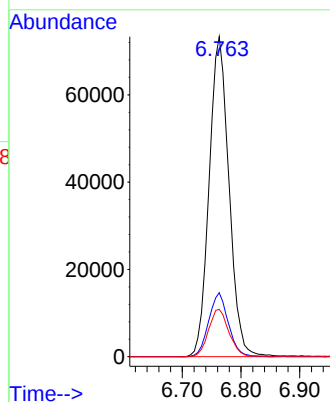
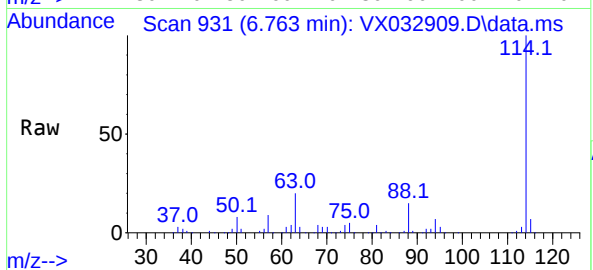




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

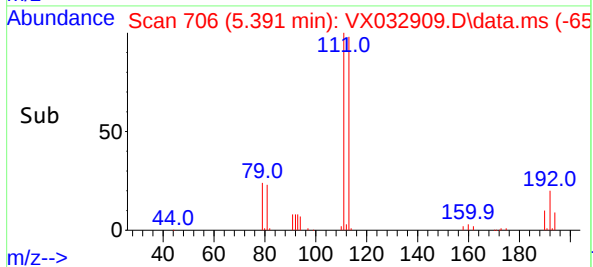
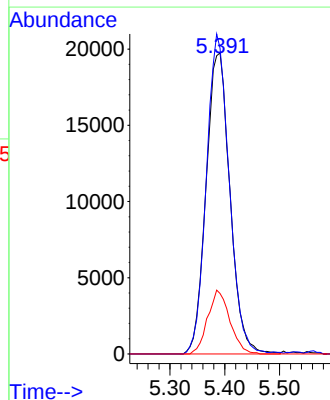
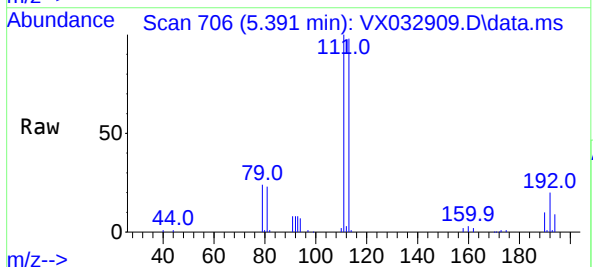
Instrument :
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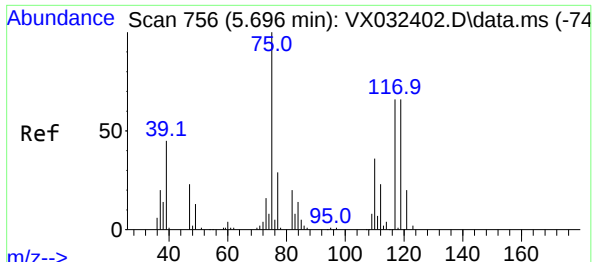
Tgt Ion:114 Resp: 171999
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.6
88 14.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.697 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion:113 Resp: 59746
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 19.6 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20221116

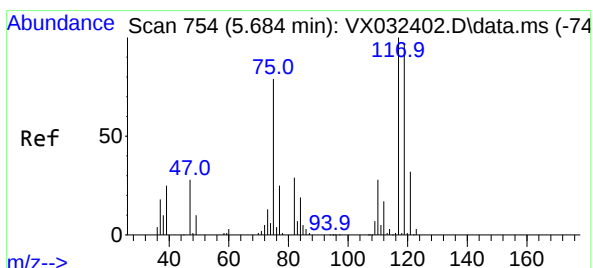
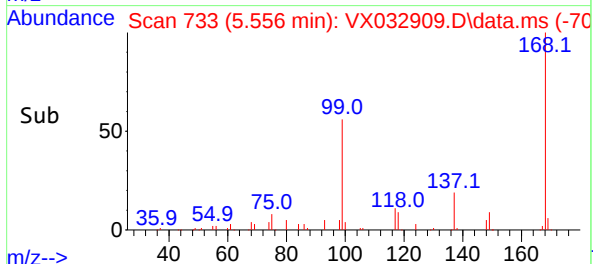
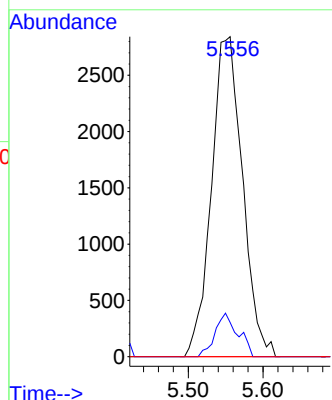
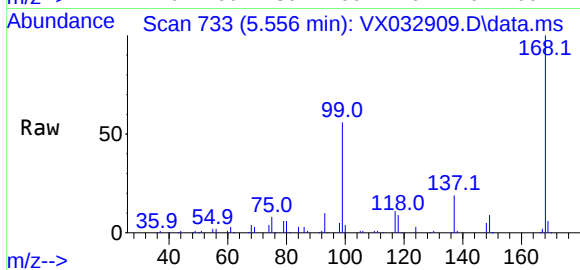
Tgt Ion: 75 Resp: 8209

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 0.396 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

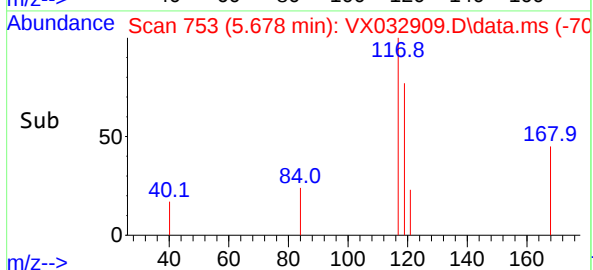
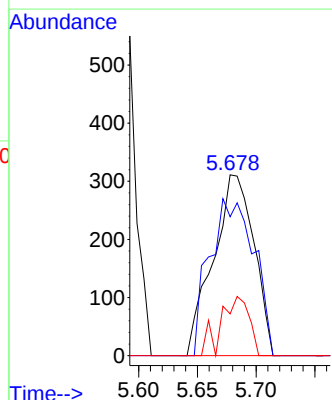
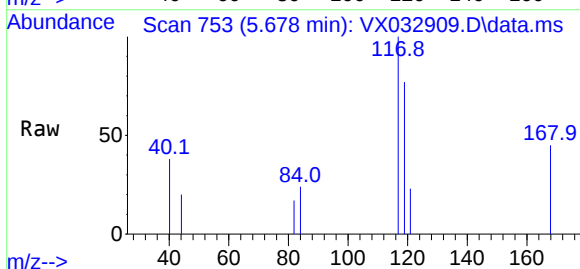
Tgt Ion: 117 Resp: 751

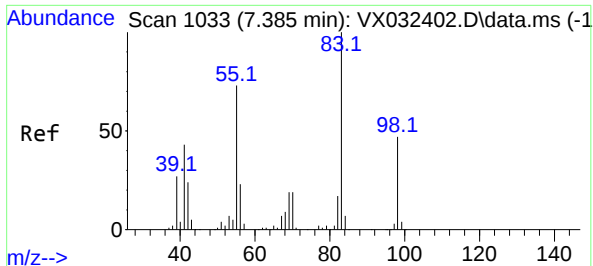
Ion Ratio Lower Upper

117 100

119 76.8 77.2 115.8#

121 23.2 25.8 38.6#

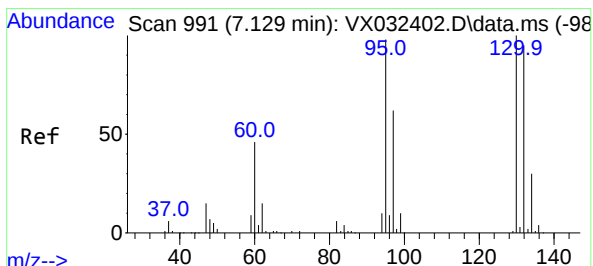
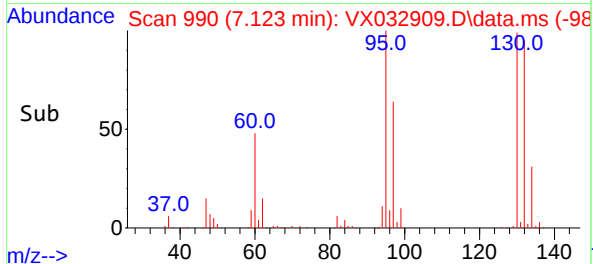
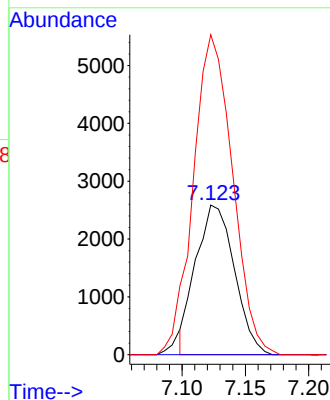
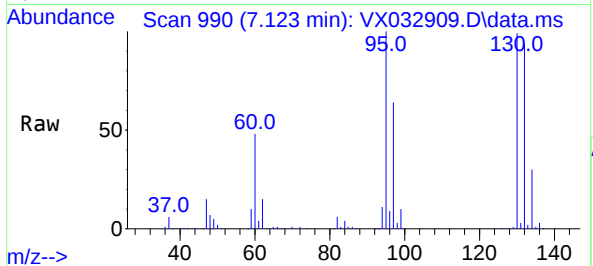




#39
Methylcyclohexane
Concen: 2.712 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

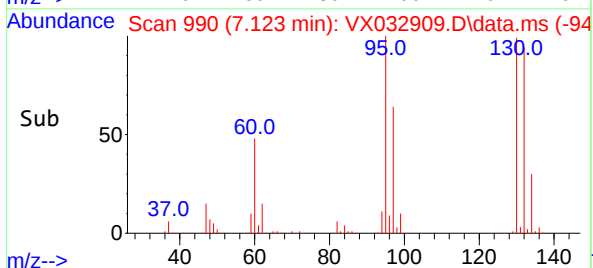
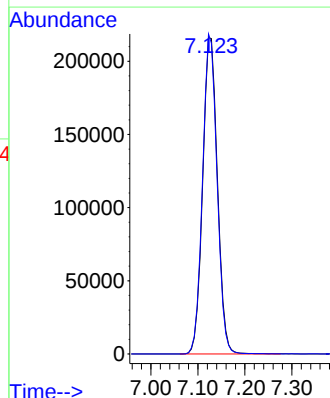
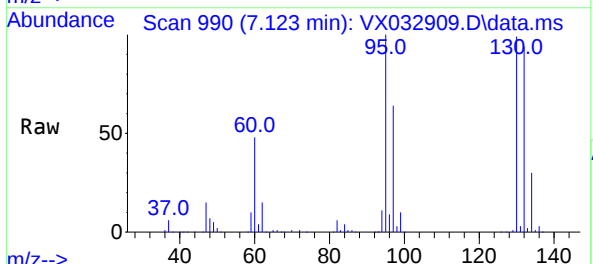
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

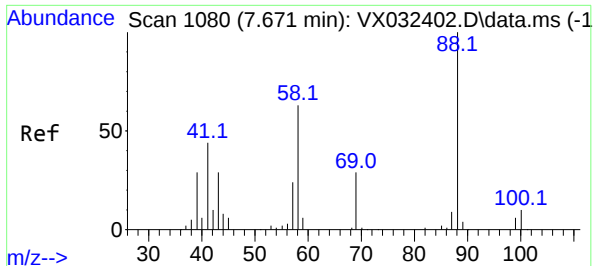
Tgt Ion: 83 Resp: 5482
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 213.9 37.2 55.8#



#44
Trichloroethene
Concen: 345.398 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion:130 Resp: 470094
Ion Ratio Lower Upper
130 100
95 101.2 0.0 195.2





#49

1,4-Dioxane

Concen: 27.460 ug/l

RT: 7.708 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20221116

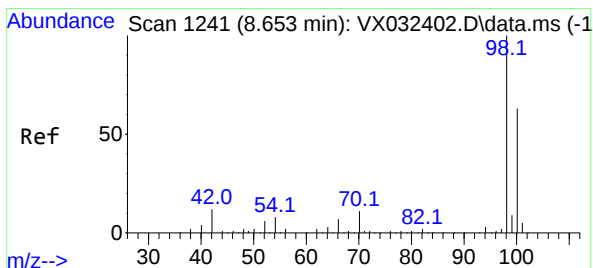
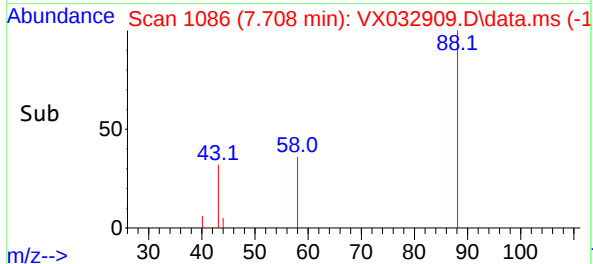
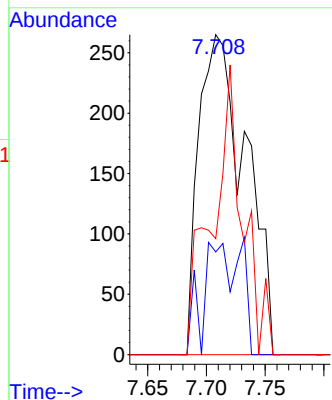
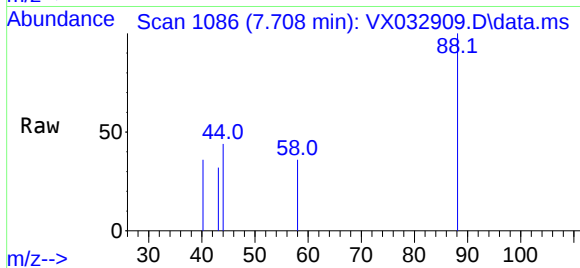
Tgt Ion: 88 Resp: 738

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 51.7 77.5#



#50

Toluene-d8

Concen: 50.598 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032909.D

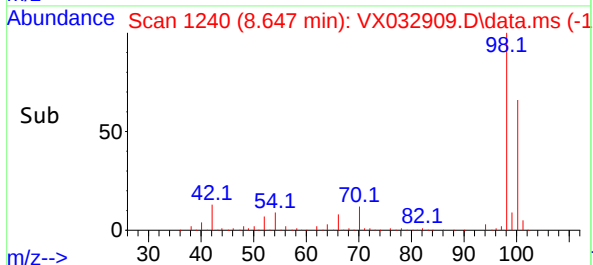
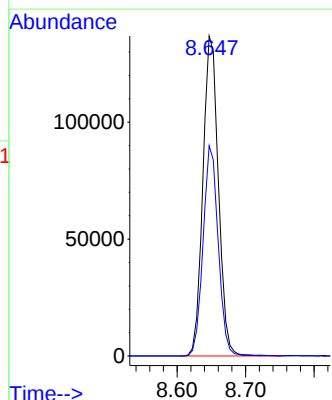
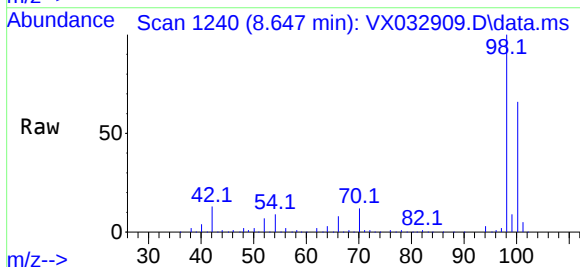
Acq: 17 Nov 2022 18:44

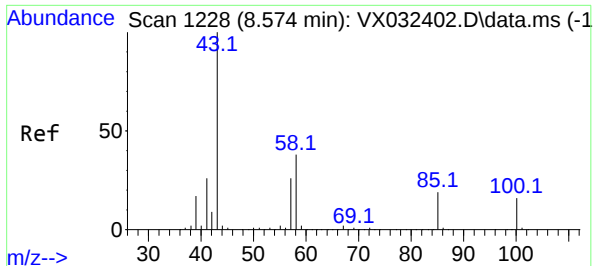
Tgt Ion: 98 Resp: 215857

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

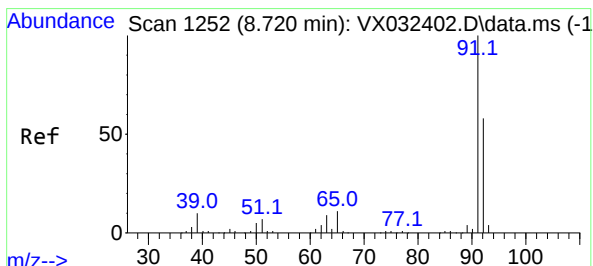
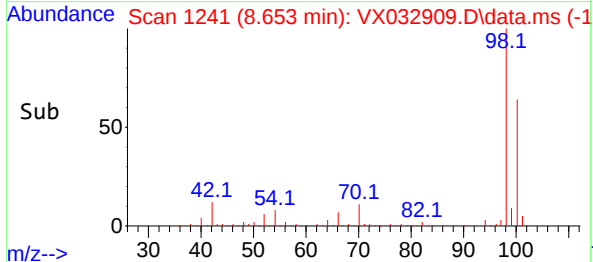
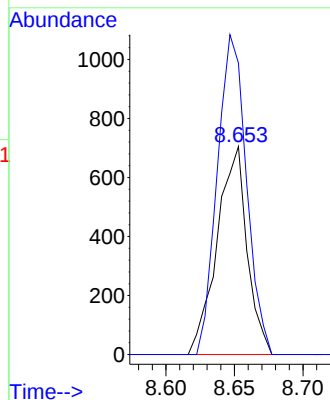
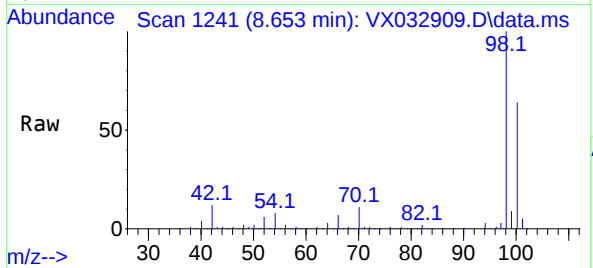




#51
4-Methyl-2-Pentanone
Concen: 0.625 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

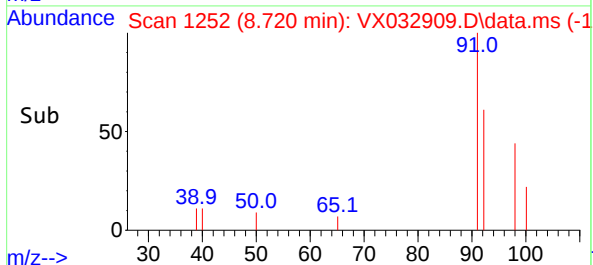
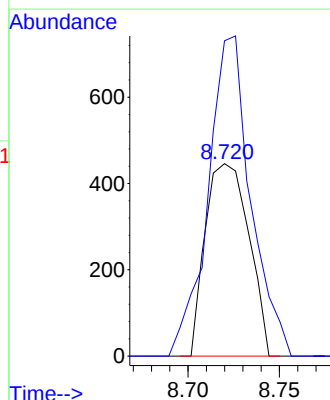
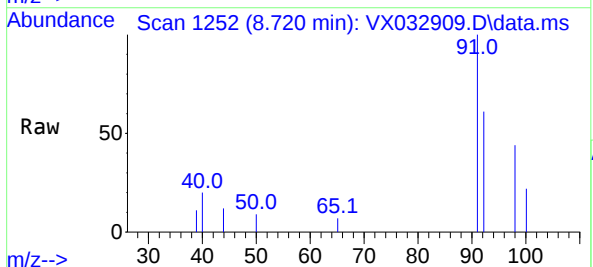
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

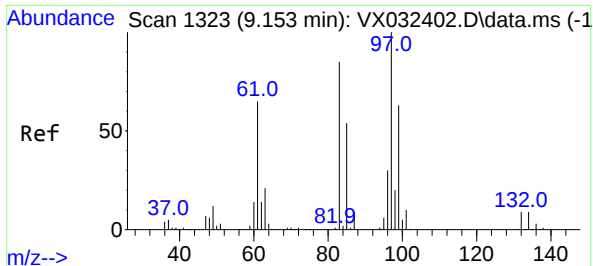
Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 149.4 30.9 46.3#



#52
Toluene
Concen: 0.235 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 92 Resp: 740
Ion Ratio Lower Upper
92 100
91 162.8 138.3 207.5



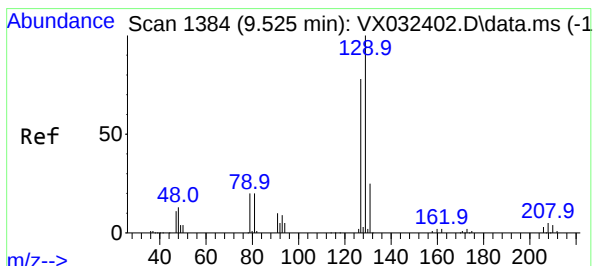
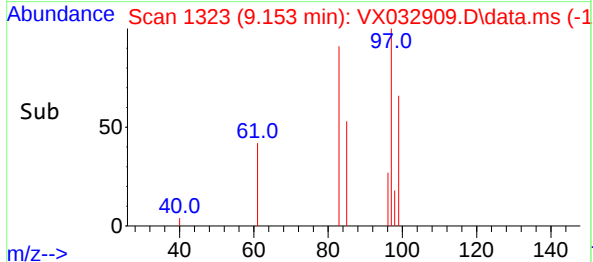
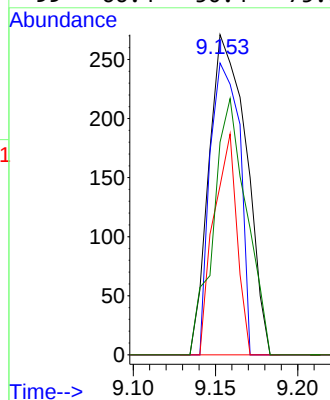
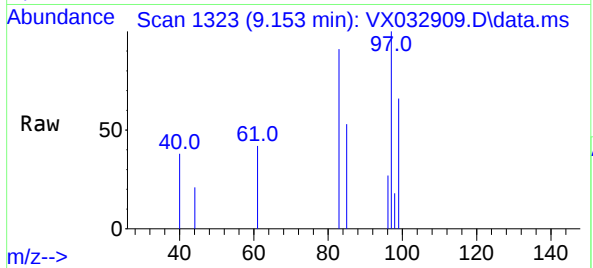


#55
1,1,2-Trichloroethane
Concen: 0.321 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

Tgt Ion: 97 Resp: 426

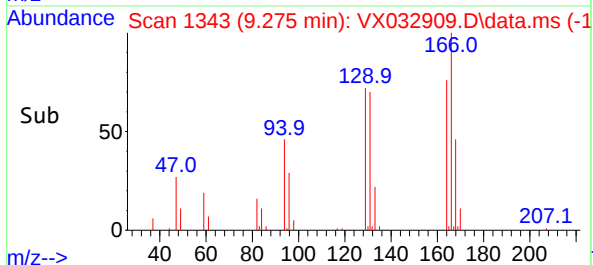
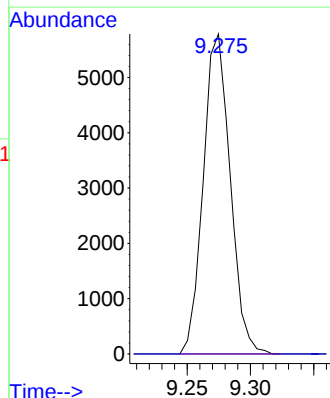
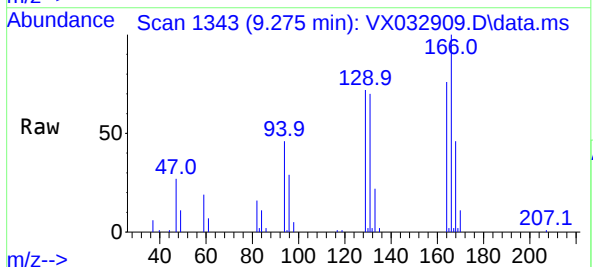
Ion	Ratio	Lower	Upper
97	100		
83	91.1	68.1	102.1
85	52.8	43.3	64.9
99	66.4	50.4	75.6

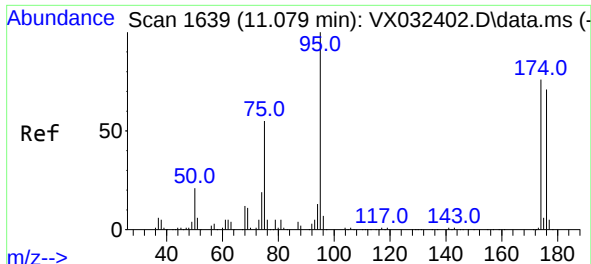


#60
Dibromochloromethane
Concen: 5.910 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 129 Resp: 8575

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	115.8#

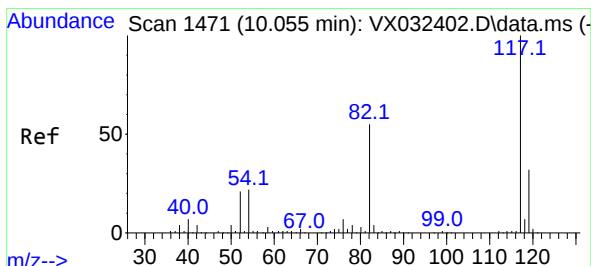
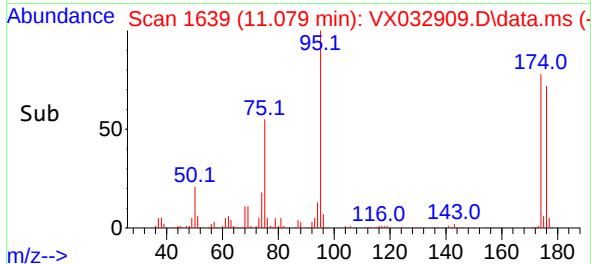
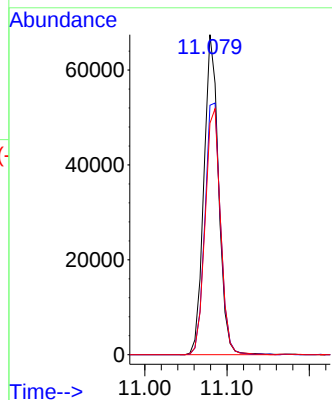
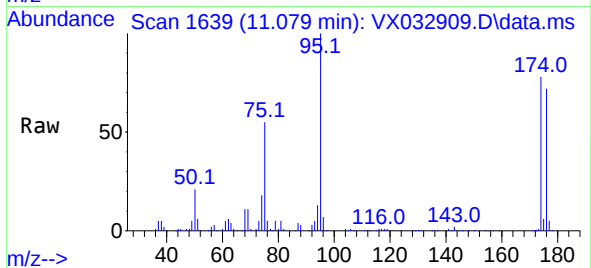




#62
4-Bromofluorobenzene
Concen: 50.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

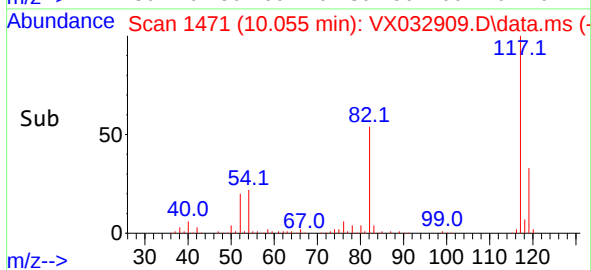
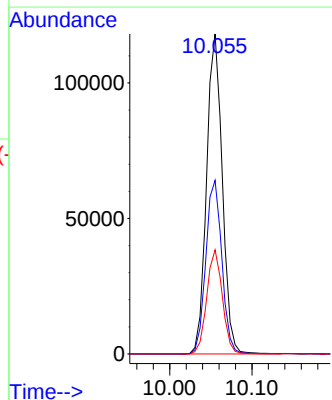
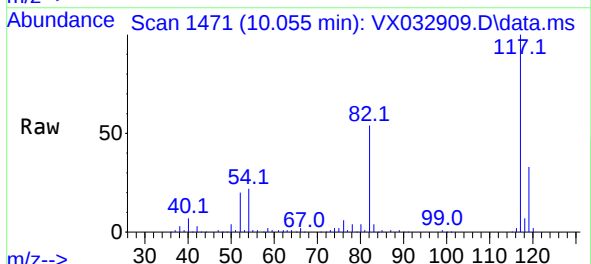
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

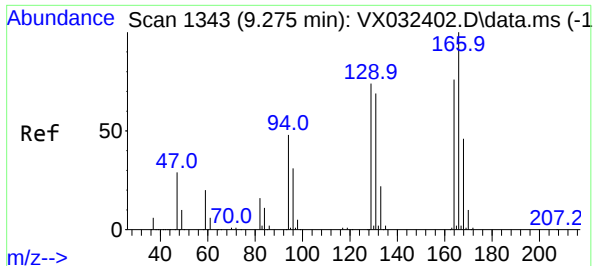
Tgt Ion: 95 Resp: 83669
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 80.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 117 Resp: 156990
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 32.5 25.7 38.5



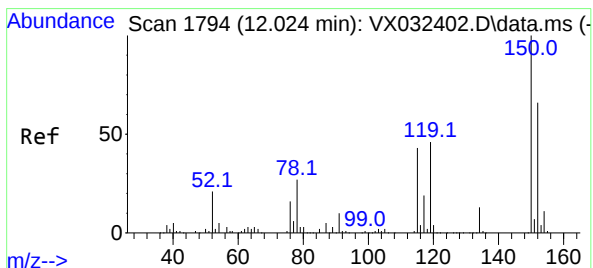
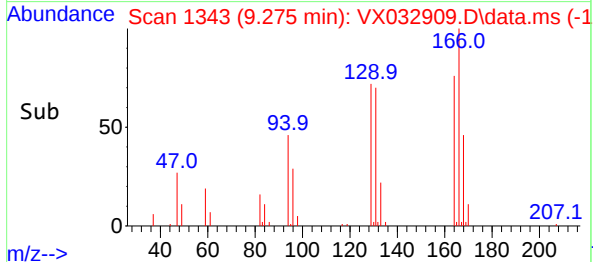
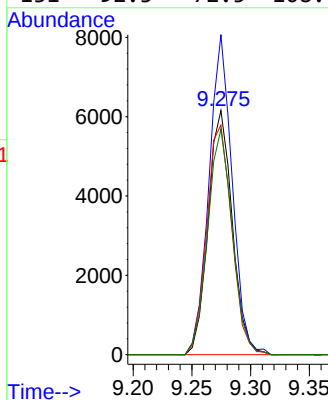
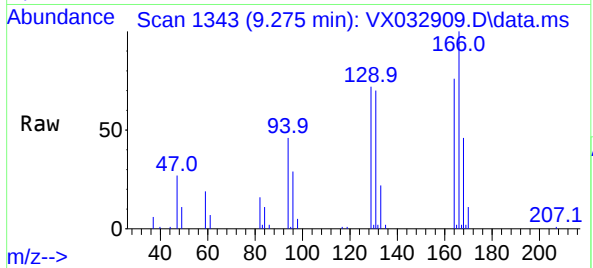


#64
Tetrachloroethene
Concen: 7.654 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

Tgt Ion:164 Resp: 8795

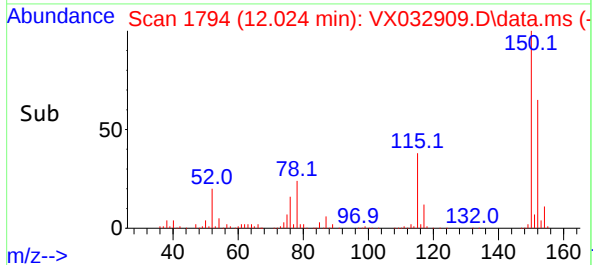
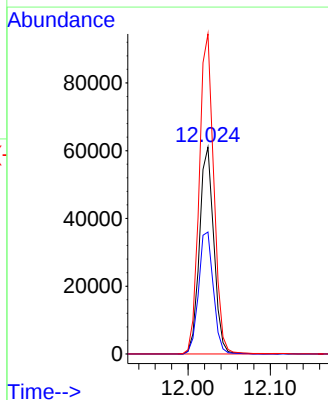
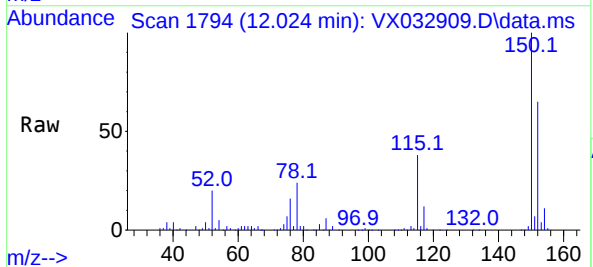
Ion	Ratio	Lower	Upper
164	100		
166	131.1	105.4	158.2
129	94.0	78.2	117.2
131	92.3	72.5	108.7

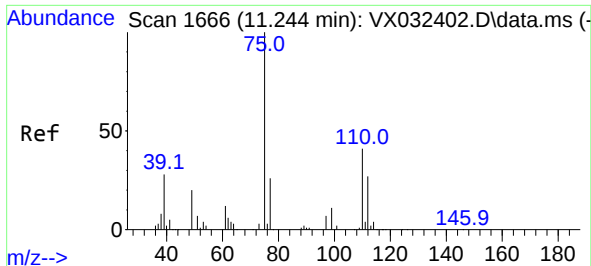


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion:152 Resp: 74114

Ion	Ratio	Lower	Upper
152	100		
115	60.6	44.0	132.0
150	157.2	0.0	351.8

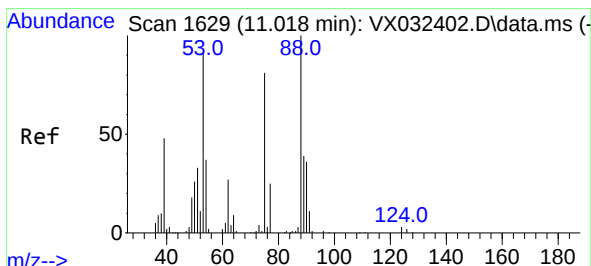
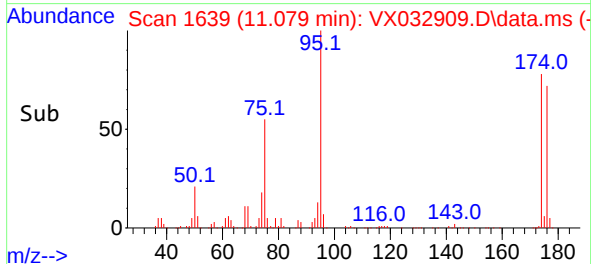
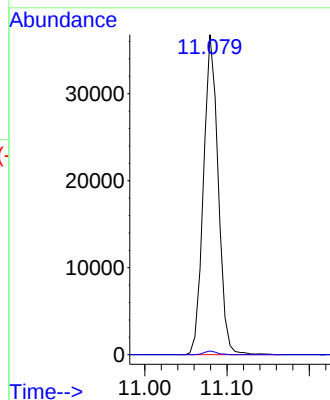
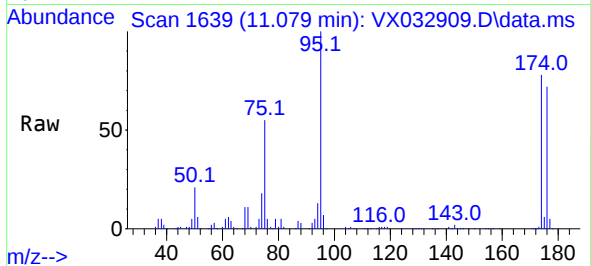




#76
1,2,3-Trichloropropane
Concen: 27.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20221116

Tgt Ion: 75 Resp: 45650
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.097 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032909.D
Acq: 17 Nov 2022 18:44

Tgt Ion: 75 Resp: 45650
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

