

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034496.D
 Acq On : 15 Mar 2023 10:08
 Operator : JC/MD
 Sample : 01903-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230312

Quant Time: Mar 21 10:26:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

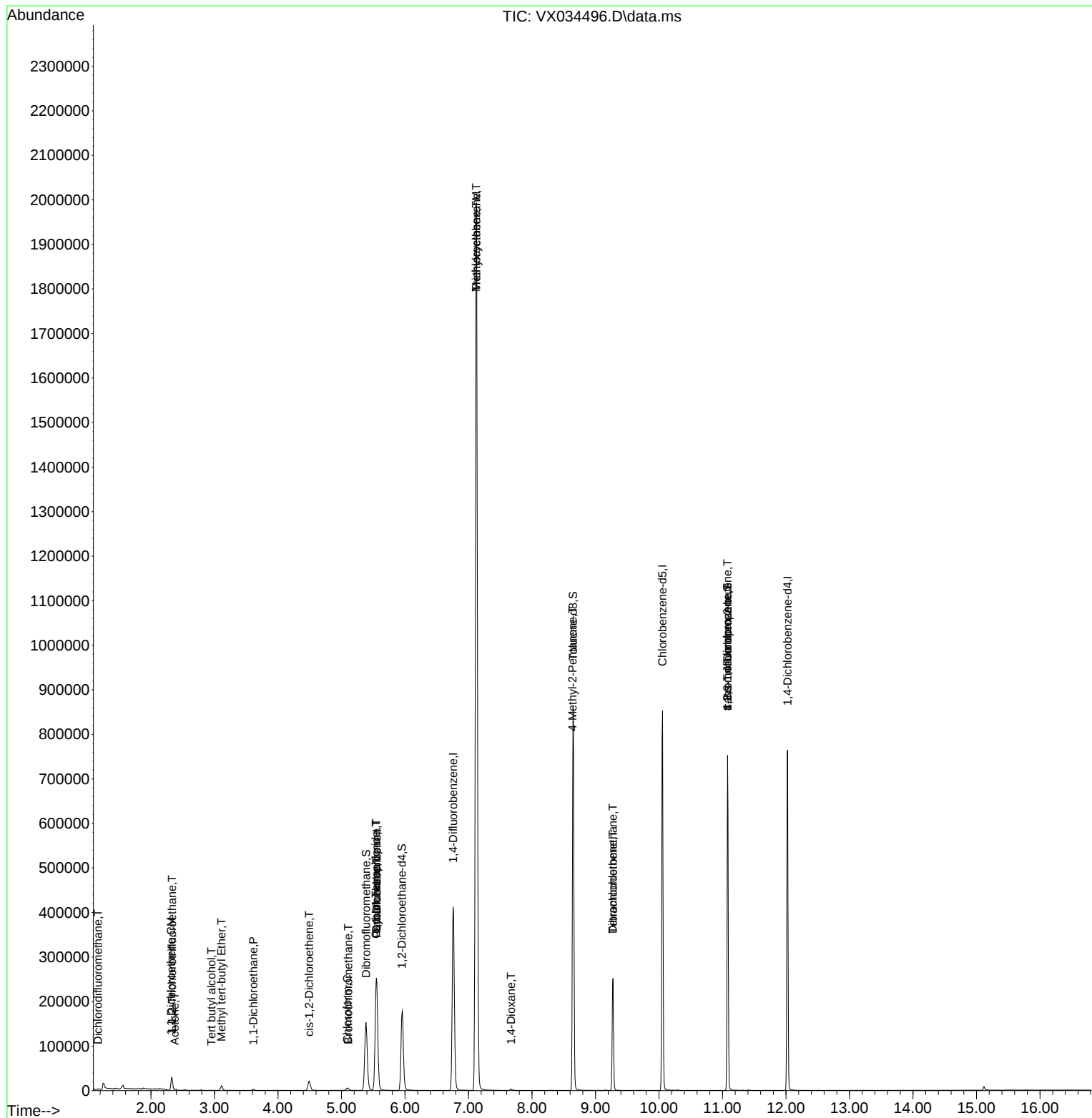
Internal Standards						
1) Pentafluorobenzene	5.556	168	243620	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	415218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163508	46.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.260%
35) Dibromofluoromethane	5.385	113	128825	46.991	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.980%
50) Toluene-d8	8.647	98	503727	49.221	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.440%
62) 4-Bromofluorobenzene	11.079	95	191510	46.328	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	494	0.218	ug/l	82
3) Chloromethane	1.307	50	812	Below Cal	#	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	9577	3.537	ug/l	96
11) Tert butyl alcohol	2.953	59	261	0.354	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	2471	0.927	ug/l	89
16) Acetone	2.374	43	914	0.547	ug/l #	84
19) Methyl tert-butyl Ether	3.111	73	10534	1.103	ug/l	95
24) 1,1-Dichloroethane	3.611	63	3162	0.571	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	12815	3.759	ug/l	89
28) Bromochloromethane	5.105	49	558	0.217	ug/l #	15
30) Chloroform	5.093	83	6057	1.115	ug/l	99
31) Cyclohexane	5.550	56	5859	1.179	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	19879	4.721	ug/l #	50
38) Carbon Tetrachloride	5.544	117	24678	5.891	ug/l #	16
39) Methylcyclohexane	7.123	83	9082	1.802	ug/l #	1
44) Trichloroethene	7.123	130	750330	234.440	ug/l	98
49) 1,4-Dioxane	7.671	88	2613	33.193	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	2691	0.595	ug/l #	1
60) Dibromochloromethane	9.275	129	43163	13.598	ug/l #	10
64) Tetrachloroethene	9.275	164	45008	18.182	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	99188	27.377	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	99188	74.064	ug/l #	8

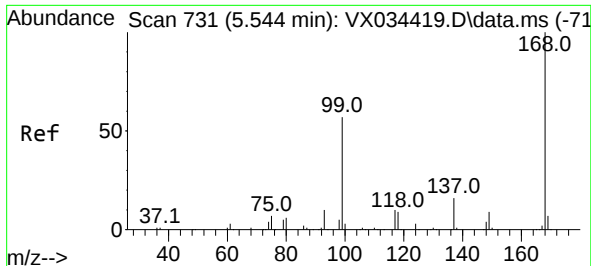
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

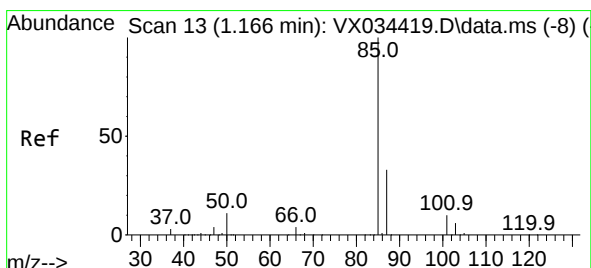
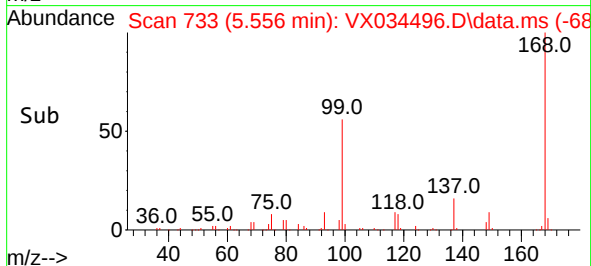
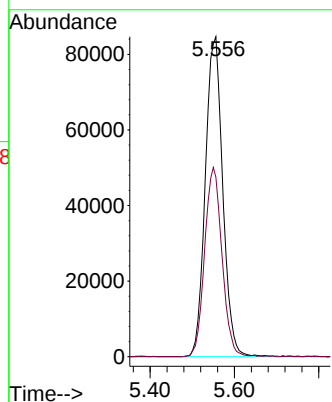
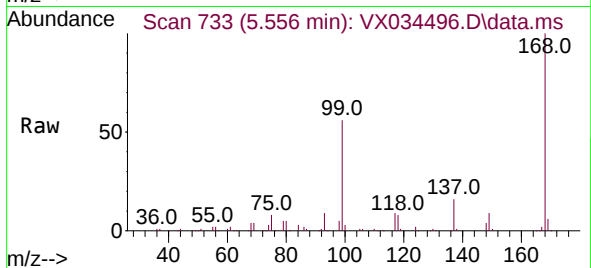




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

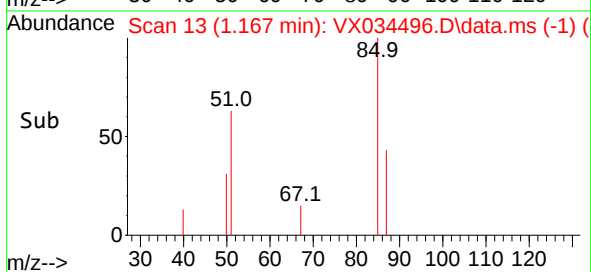
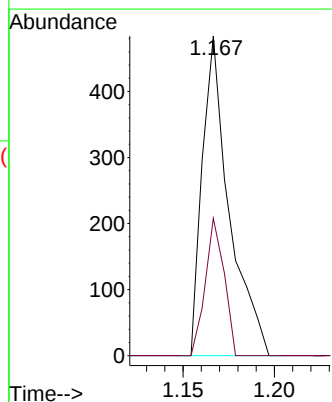
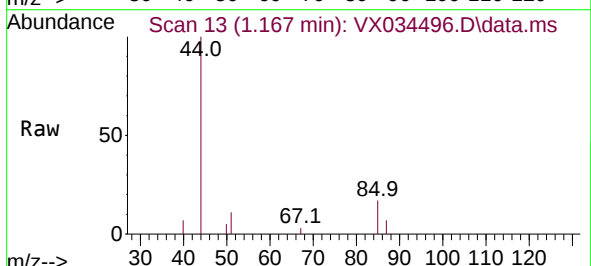
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

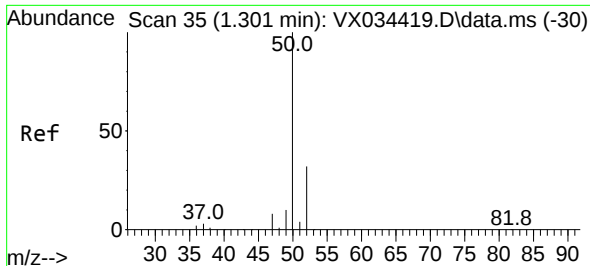
Tgt Ion:168 Resp: 243620
Ion Ratio Lower Upper
168 100
99 56.1 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.218 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 85 Resp: 494
Ion Ratio Lower Upper
85 100
87 43.0 16.4 49.1

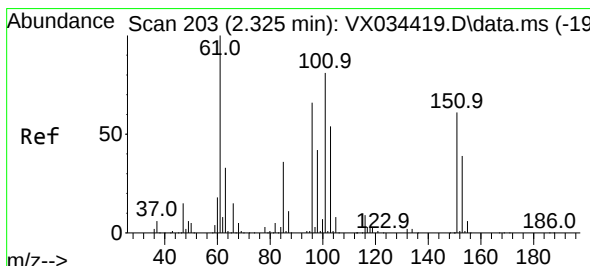
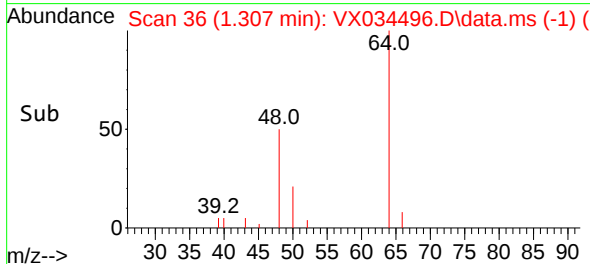
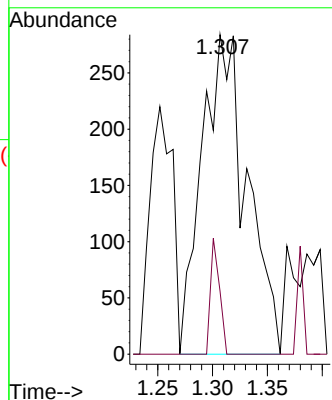
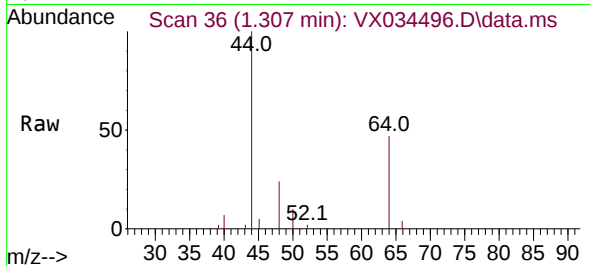




#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

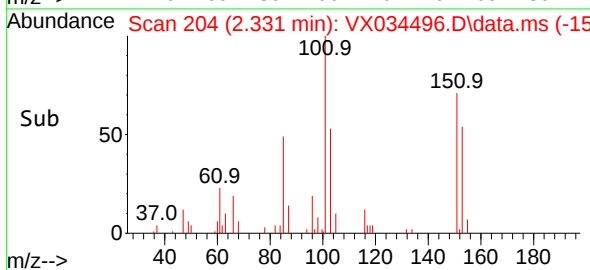
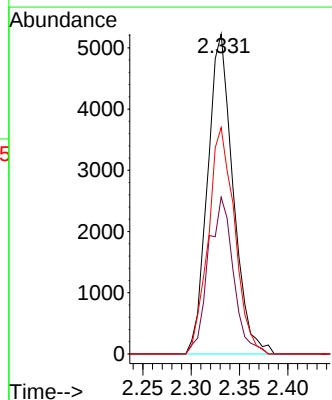
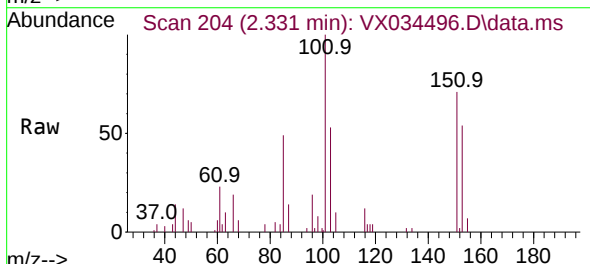
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

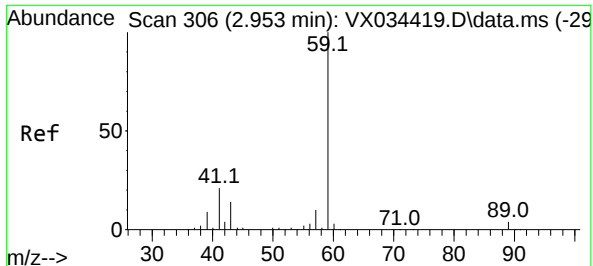
Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 19.7 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.537 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 101 Resp: 9577
Ion Ratio Lower Upper
101 100
85 48.1 35.4 53.2
151 72.9 60.2 90.4





#11

Tert butyl alcohol

Concen: 0.354 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

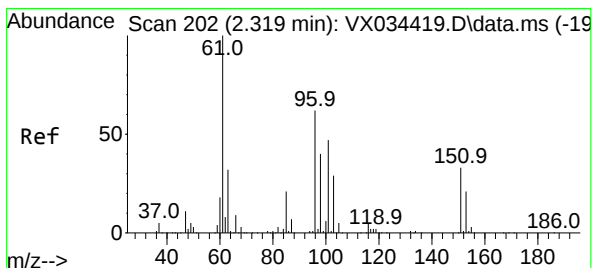
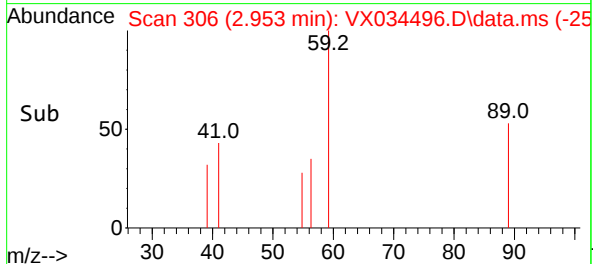
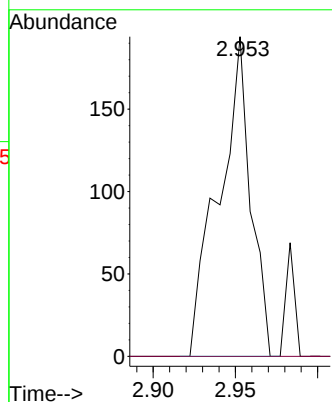
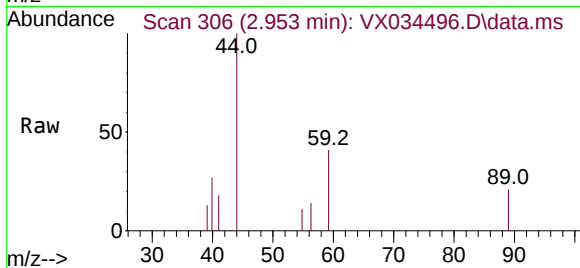
RE131D1-20230312

Tgt Ion: 59 Resp: 261

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 0.927 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

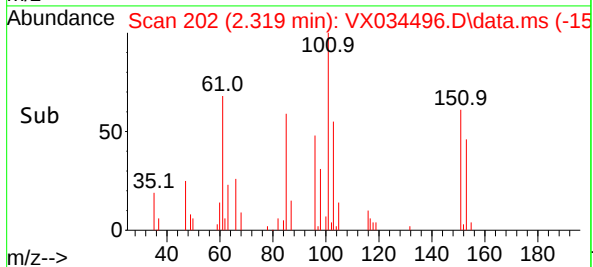
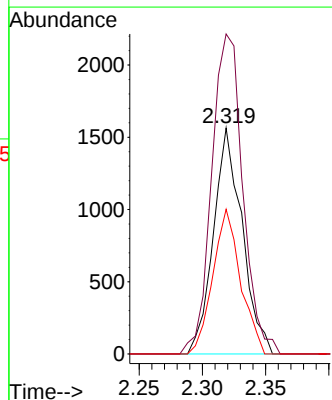
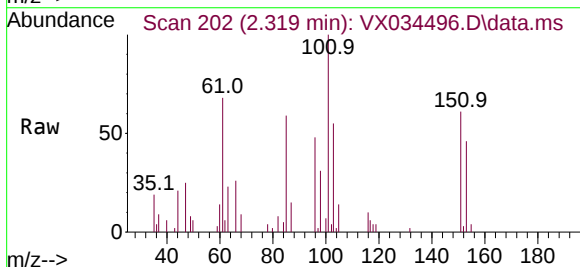
Tgt Ion: 96 Resp: 2471

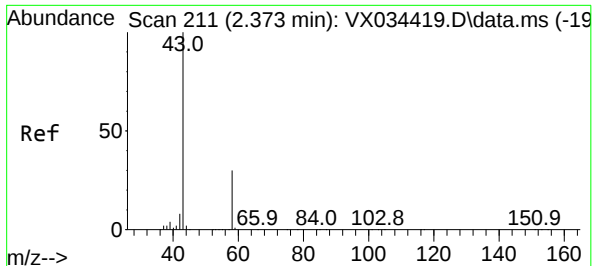
Ion Ratio Lower Upper

96 100

61 141.6 128.8 193.2

98 64.1 51.4 77.0

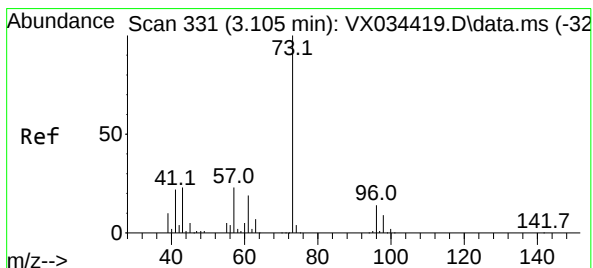
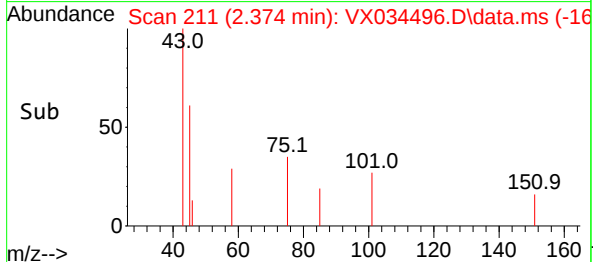
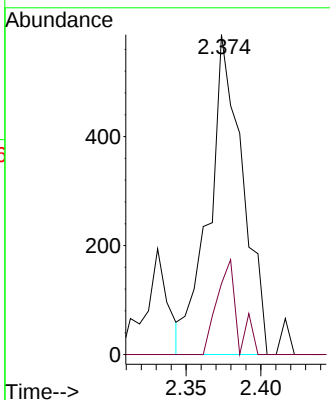
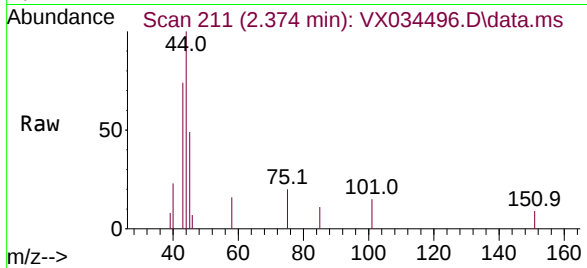




#16
Acetone
Concen: 0.547 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

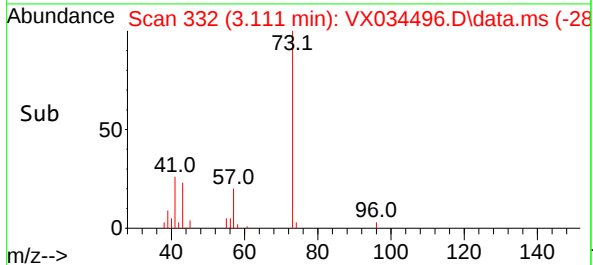
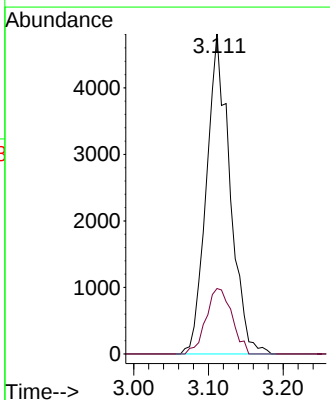
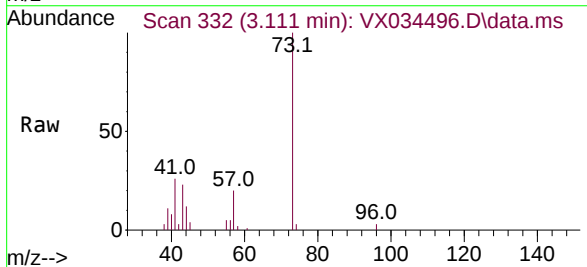
Instrument :
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ClientSampleId :
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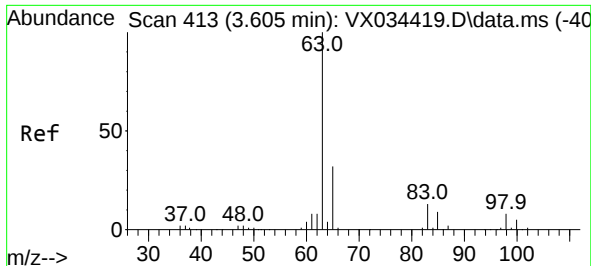
Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 22.1 24.7 37.1#



#19
Methyl tert-butyl Ether
Concen: 1.103 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 73 Resp: 10534
Ion Ratio Lower Upper
73 100
57 20.5 18.5 27.7

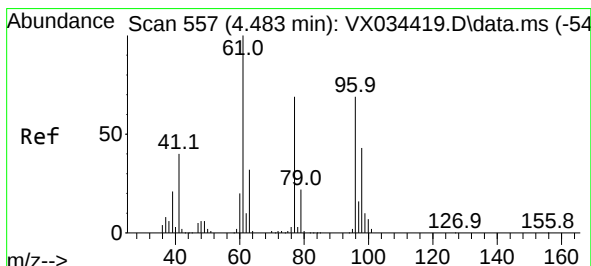
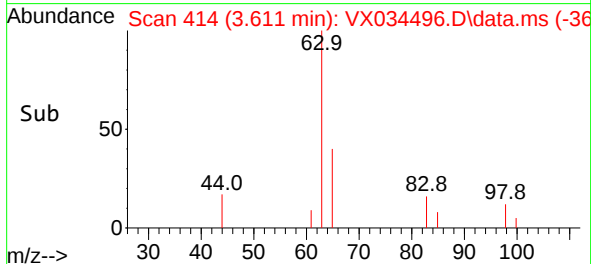
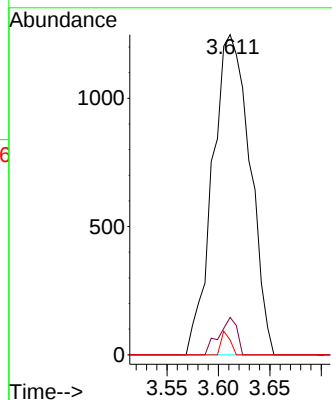
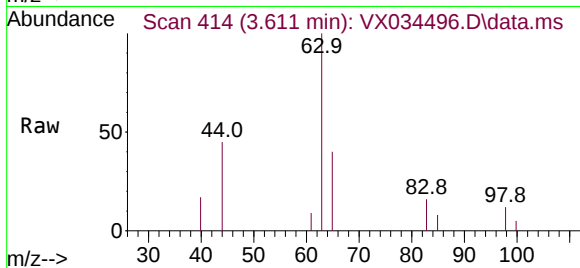




#24
 1,1-Dichloroethane
 Concen: 0.571 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX034496.D
 Acq: 15 Mar 2023 10:08

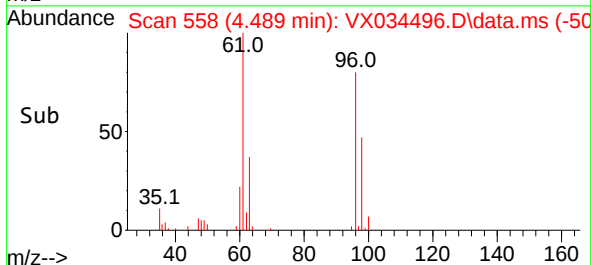
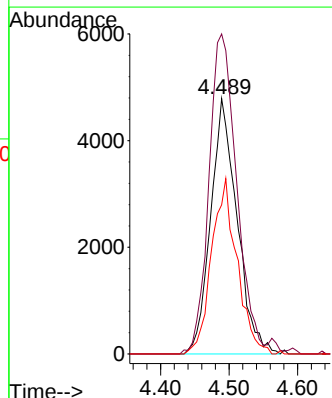
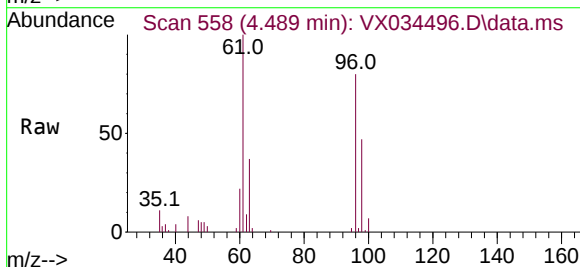
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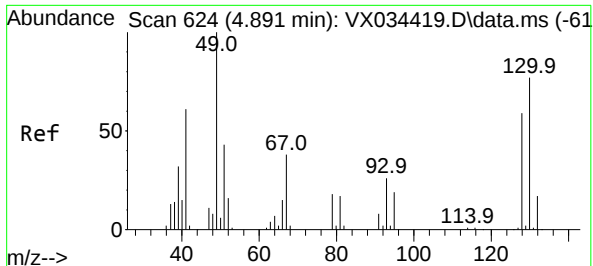
Tgt Ion: 63 Resp: 3162
 Ion Ratio Lower Upper
 63 100
 98 11.7 3.8 11.2#
 100 4.6 2.4 7.1



#27
 cis-1,2-Dichloroethene
 Concen: 3.759 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX034496.D
 Acq: 15 Mar 2023 10:08

Tgt Ion: 96 Resp: 12815
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 300.4
 98 66.2 0.0 129.0

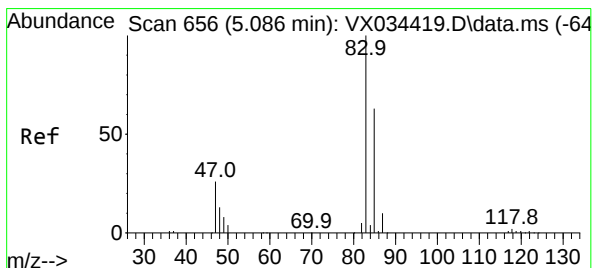
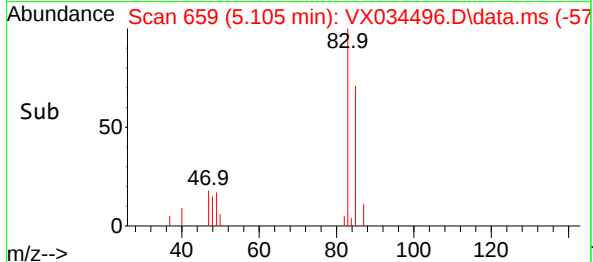
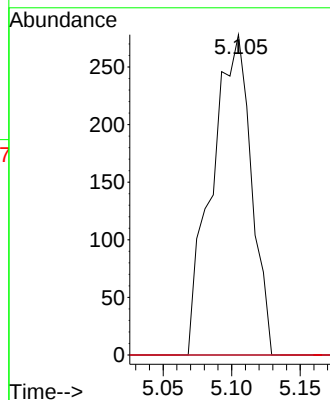
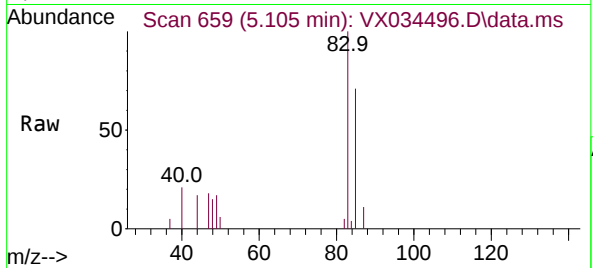




#28
Bromochloromethane
Concen: 0.217 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.214 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

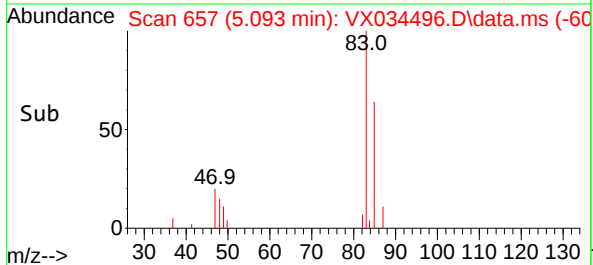
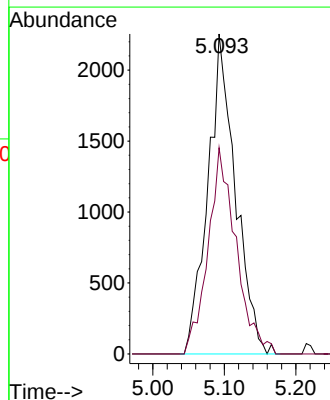
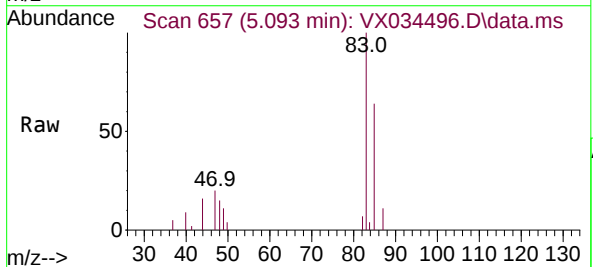
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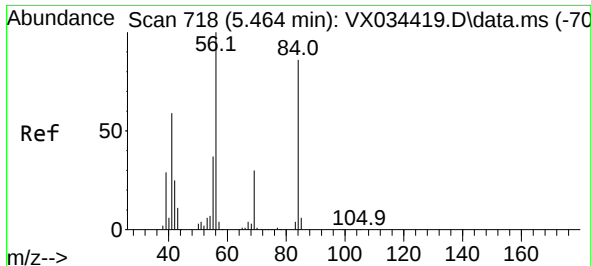
Tgt Ion: 49 Resp: 558
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#30
Chloroform
Concen: 1.115 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 83 Resp: 6057
Ion Ratio Lower Upper
83 100
85 64.4 50.6 76.0

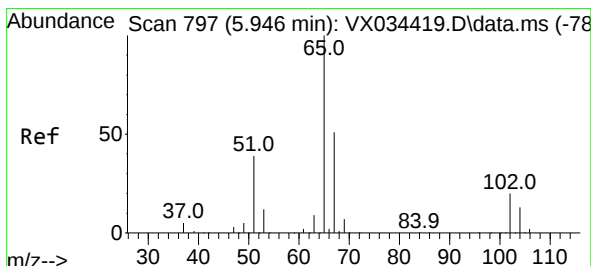
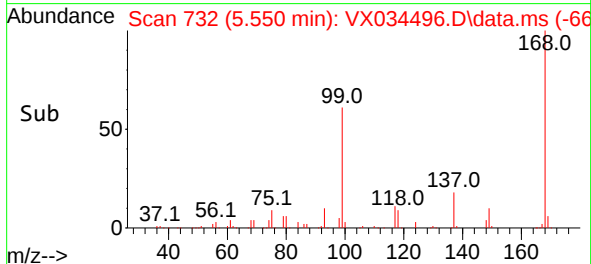
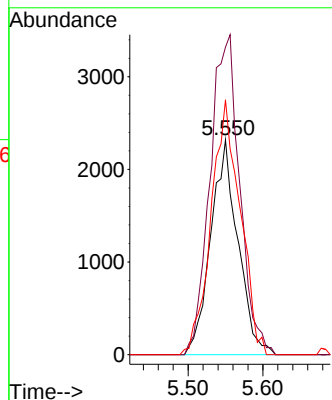
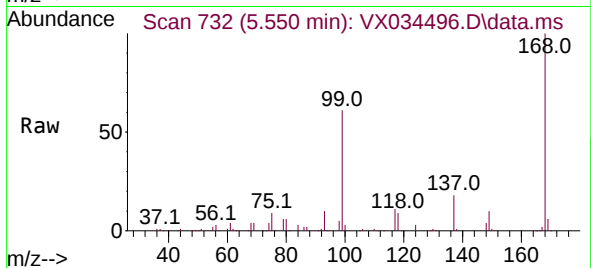




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

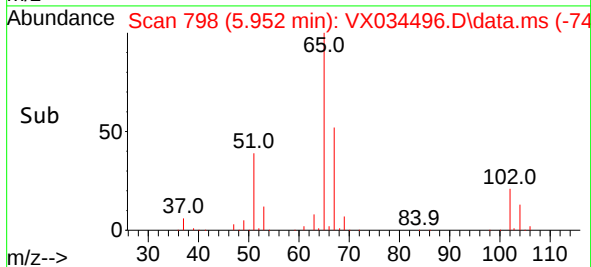
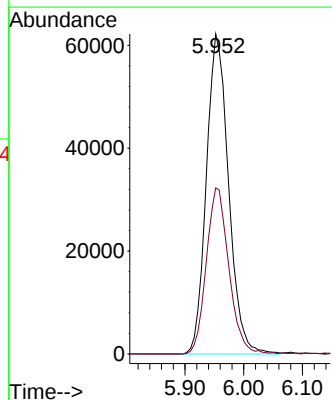
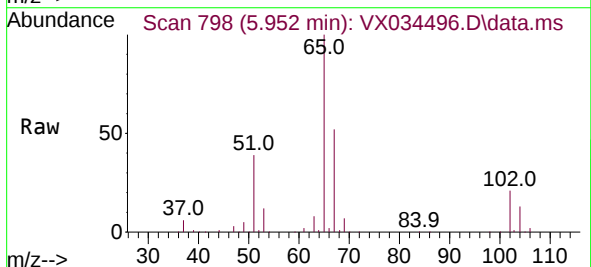
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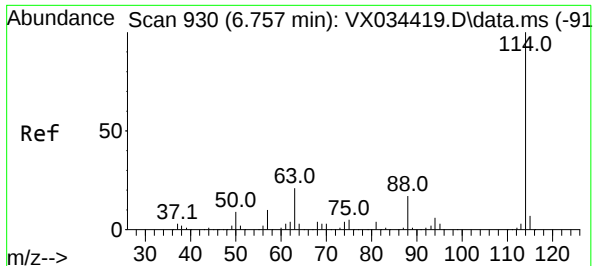
Tgt Ion: 56 Resp: 5859
Ion Ratio Lower Upper
56 100
69 143.1 23.7 35.5#
84 118.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.134 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 65 Resp: 163508
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

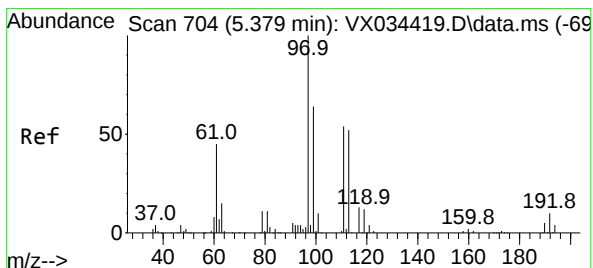
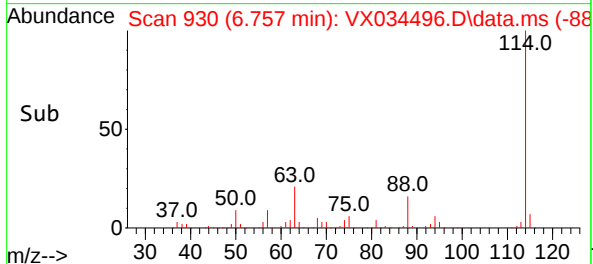
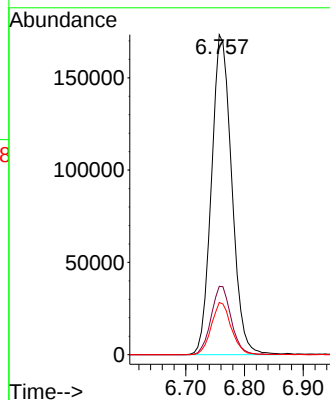
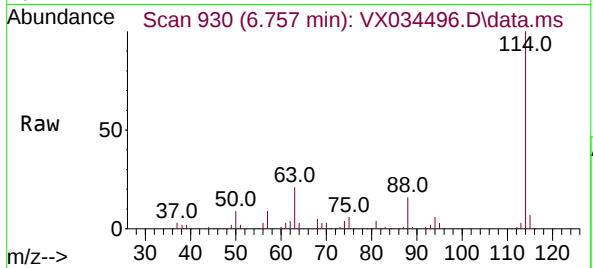




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

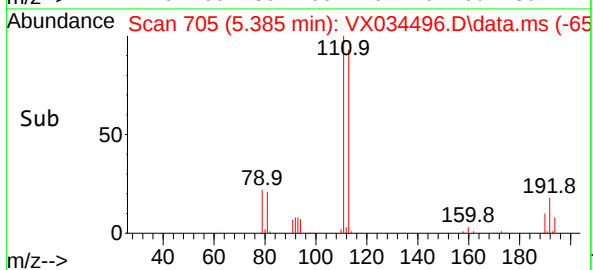
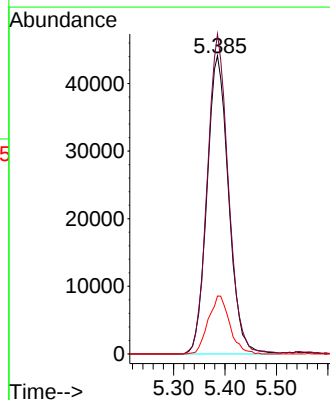
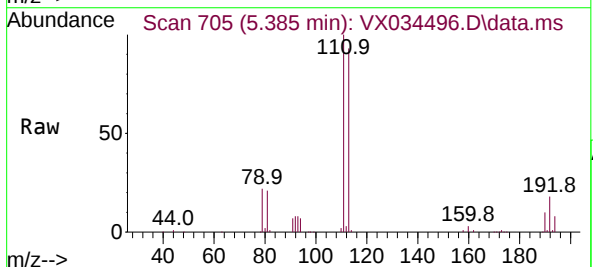
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

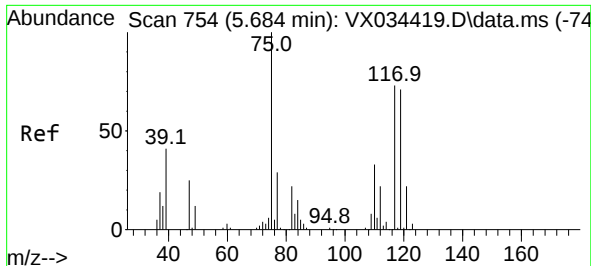
Tgt Ion:114 Resp: 415218
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.2
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.991 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion:113 Resp: 128825
Ion Ratio Lower Upper
113 100
111 104.7 83.7 125.5
192 19.3 15.4 23.2

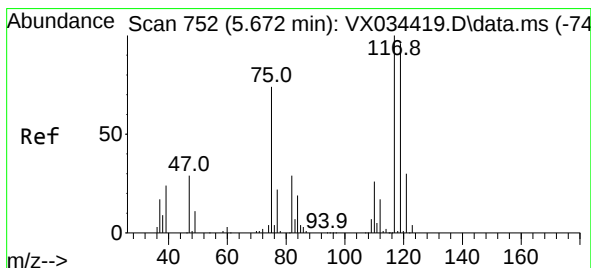
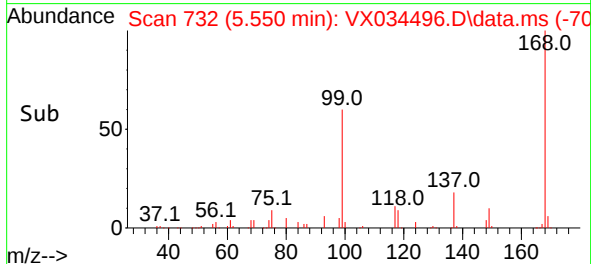
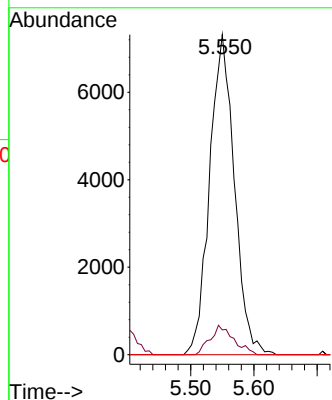
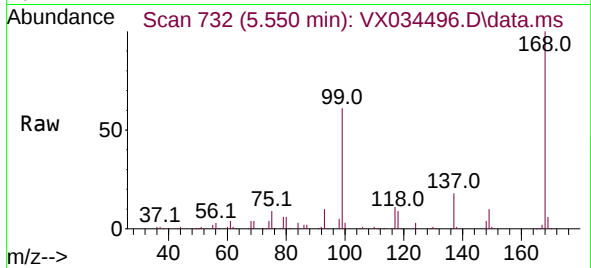




#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

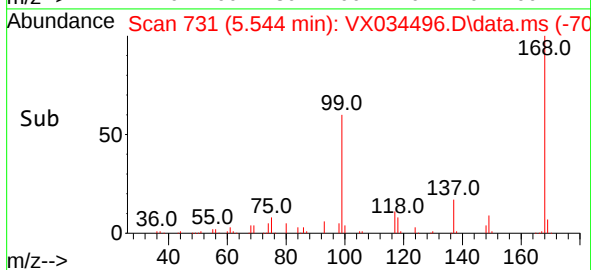
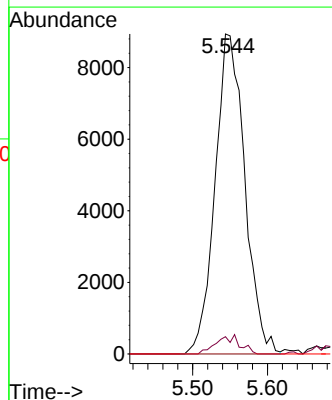
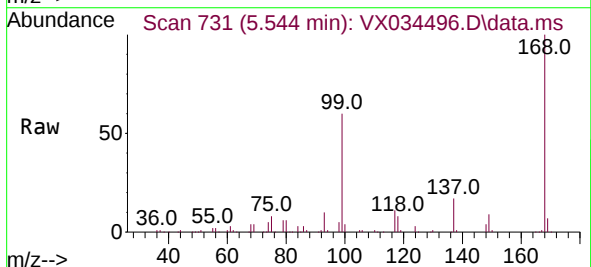
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

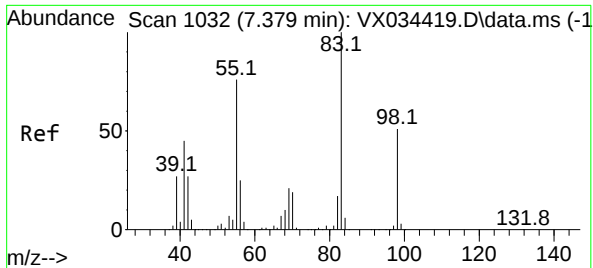
Tgt Ion: 75 Resp: 19879
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 117 Resp: 24678
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 1.802 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312

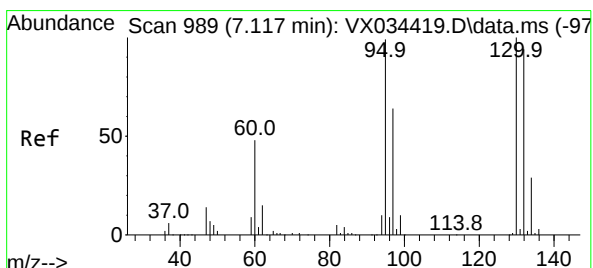
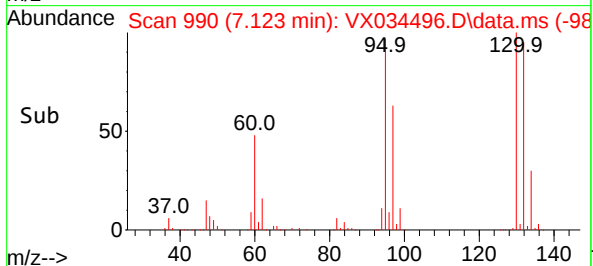
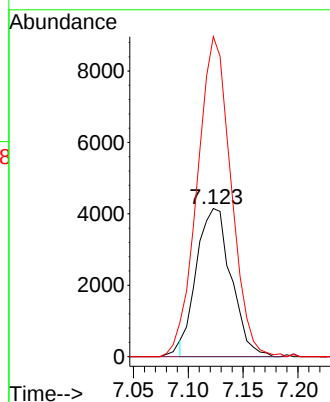
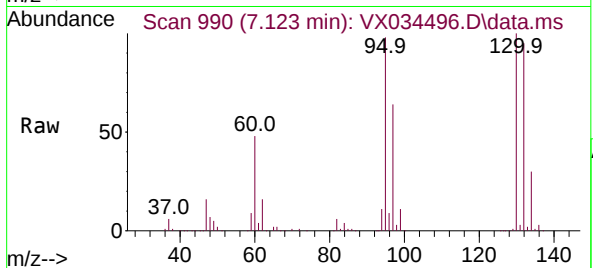
Tgt Ion: 83 Resp: 9082

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 214.1 40.4 60.6#



#44

Trichloroethene

Concen: 234.440 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034496.D

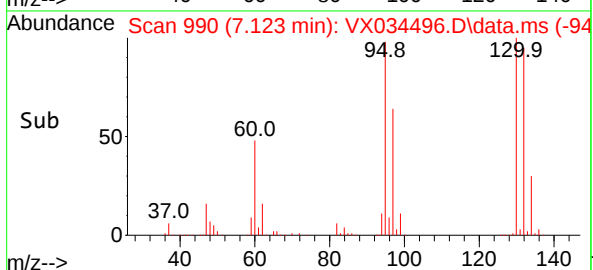
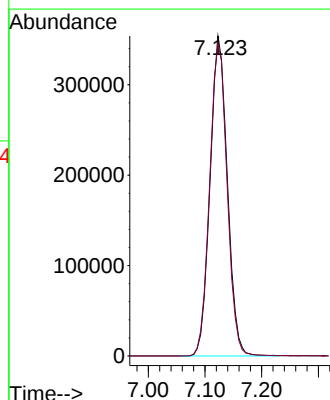
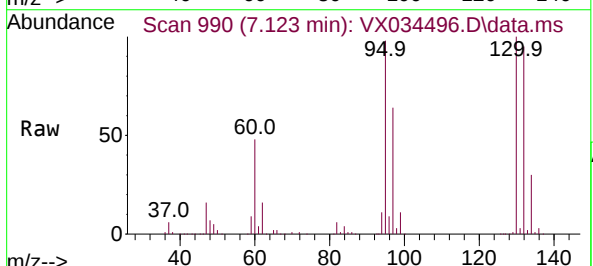
Acq: 15 Mar 2023 10:08

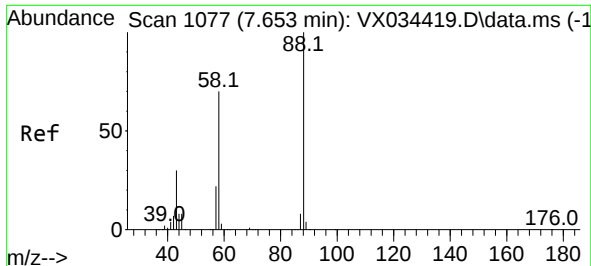
Tgt Ion:130 Resp: 750330

Ion Ratio Lower Upper

130 100

95 97.6 0.0 198.4





#49

1,4-Dioxane

Concen: 33.193 ug/l

RT: 7.671 min Scan# 1077

Delta R.T. 0.018 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312

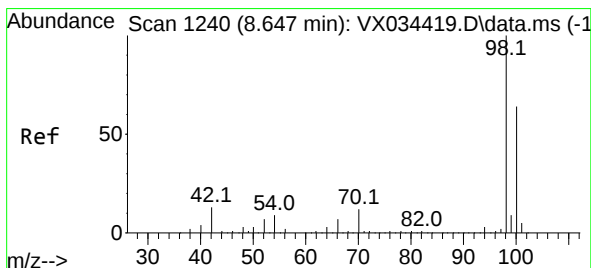
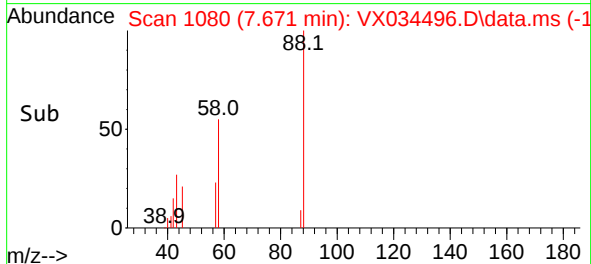
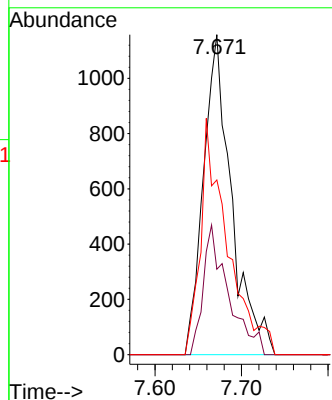
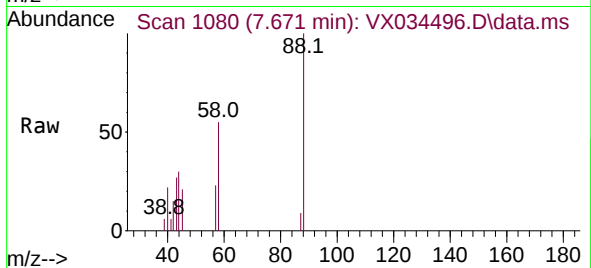
Tgt Ion: 88 Resp: 2613

Ion Ratio Lower Upper

88 100

43 36.1 27.7 41.5

58 70.5 56.8 85.2



#50

Toluene-d8

Concen: 49.221 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034496.D

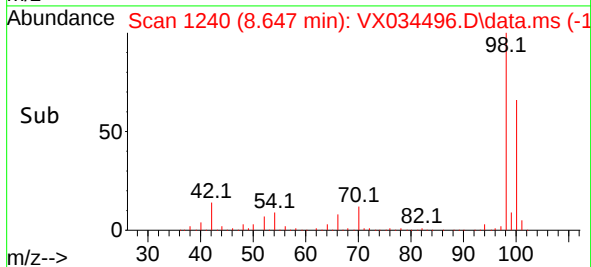
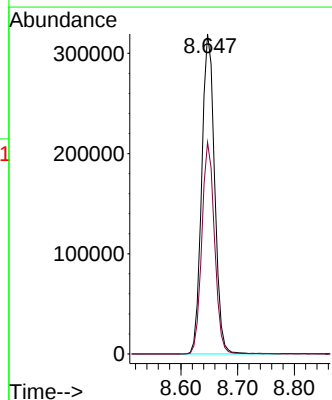
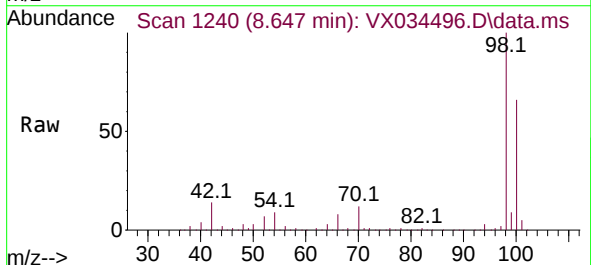
Acq: 15 Mar 2023 10:08

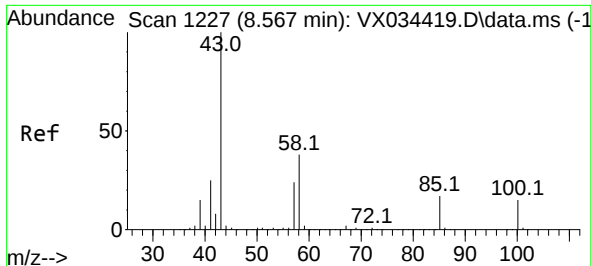
Tgt Ion: 98 Resp: 503727

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

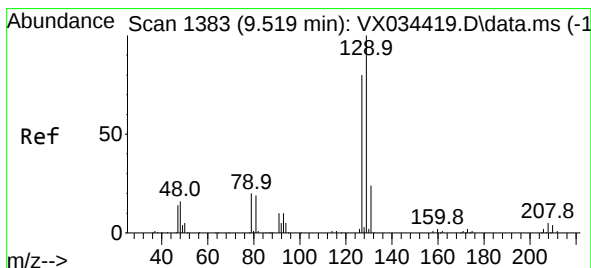
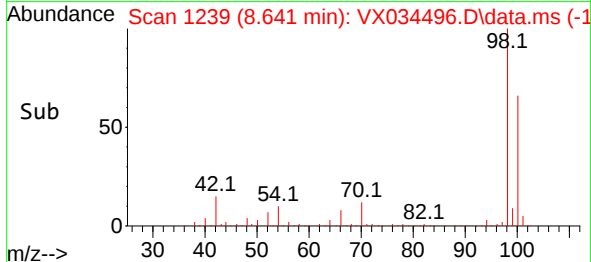
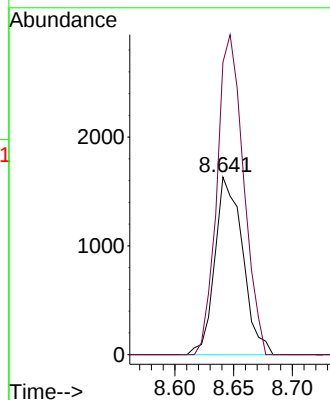
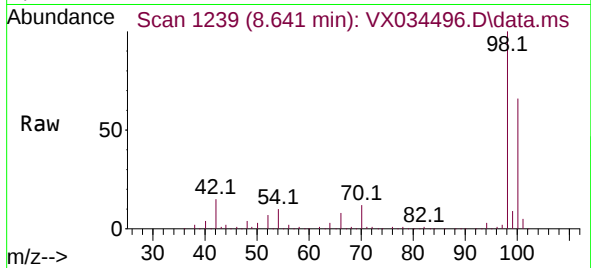




#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

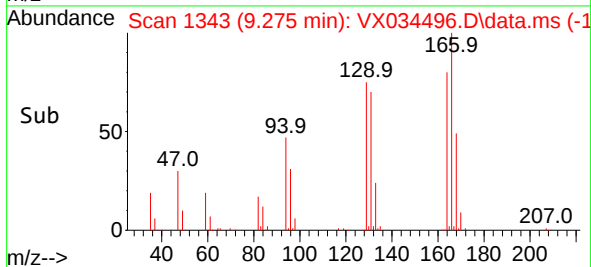
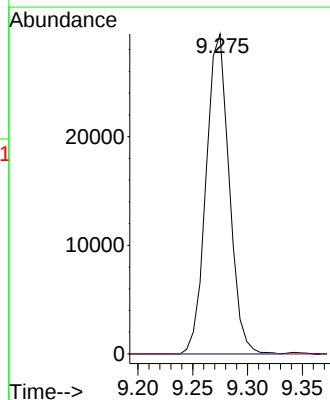
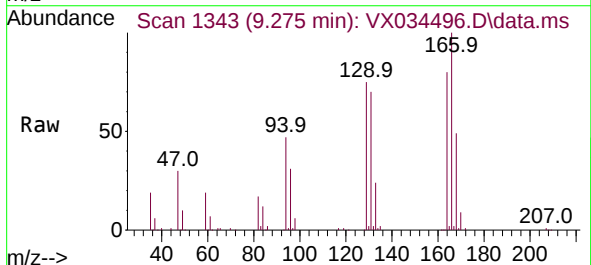
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

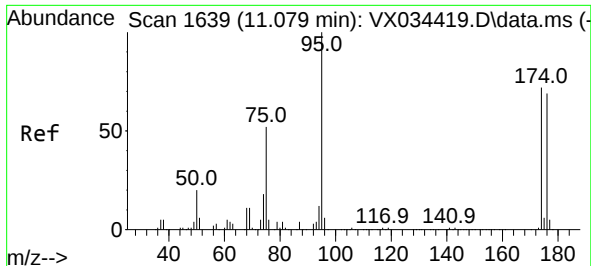
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
58 172.3 30.6 46.0#



#60
Dibromochloromethane
Concen: 13.598 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion: 129 Resp: 43163
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#





#62

4-Bromofluorobenzene

Concen: 46.328 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312

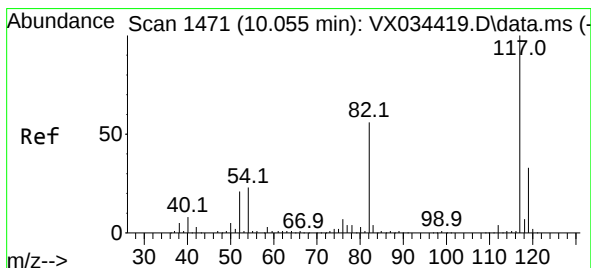
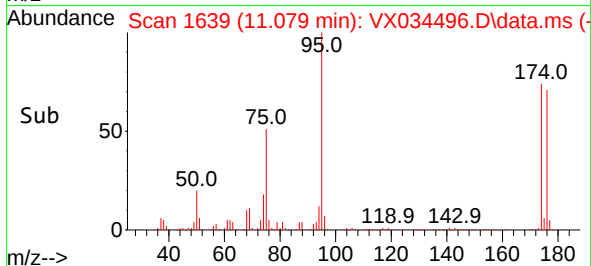
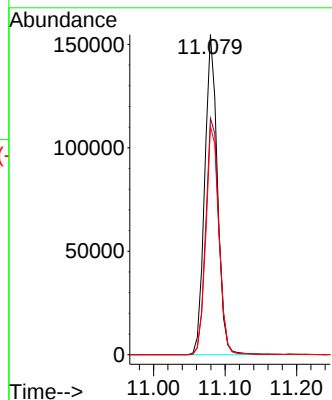
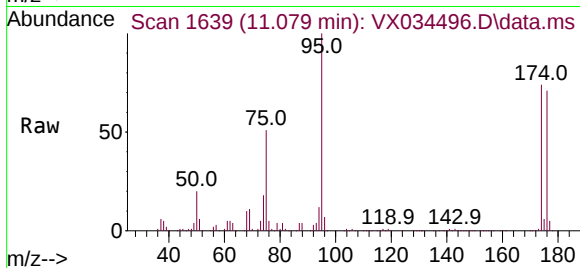
Tgt Ion: 95 Resp: 191510

Ion Ratio Lower Upper

95 100

174 76.6 0.0 147.4

176 73.2 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

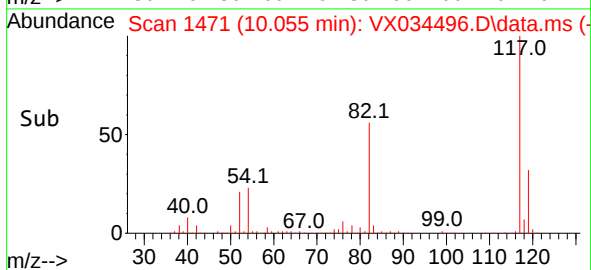
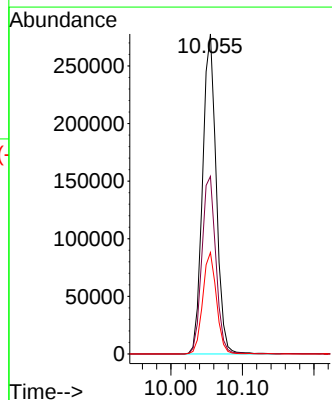
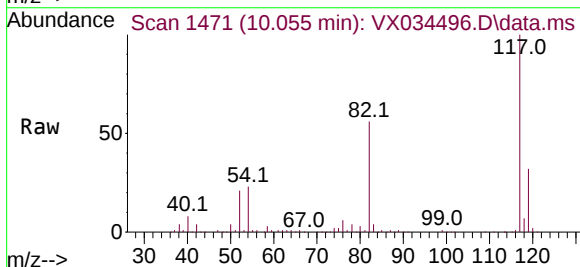
Tgt Ion: 117 Resp: 368516

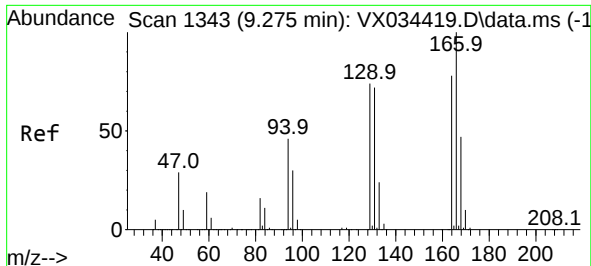
Ion Ratio Lower Upper

117 100

82 55.5 45.0 67.4

119 31.7 26.0 39.0



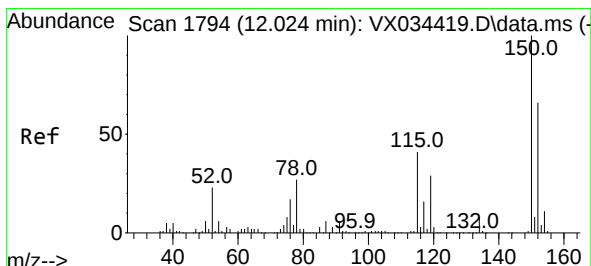
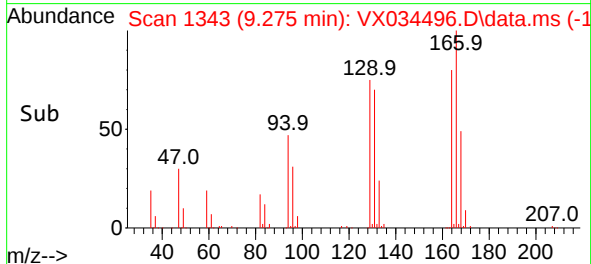
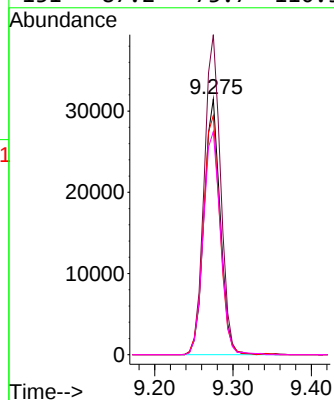
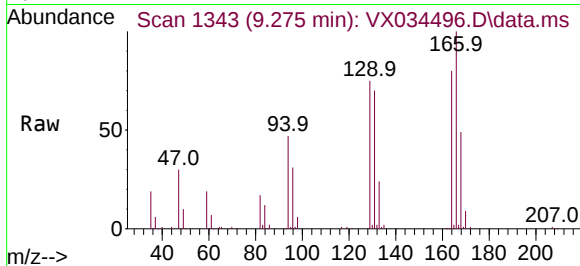


#64
Tetrachloroethene
Concen: 18.182 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312

Tgt Ion:164 Resp: 45008

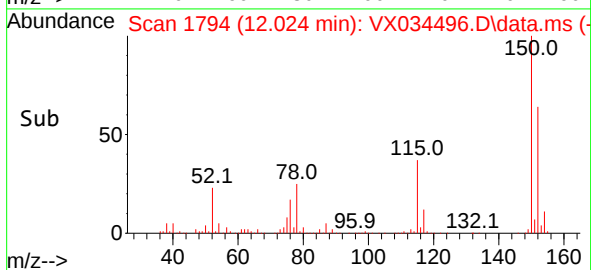
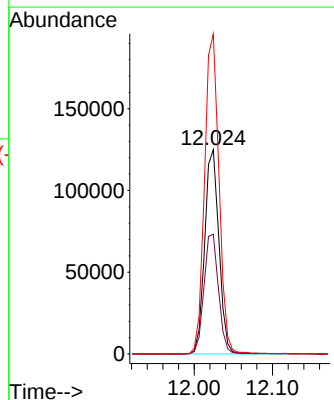
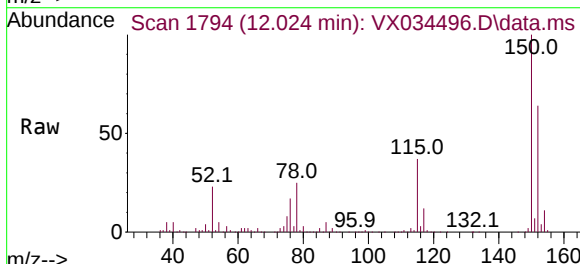
Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.7	154.1
129	93.5	75.6	113.4
131	87.2	73.7	110.5

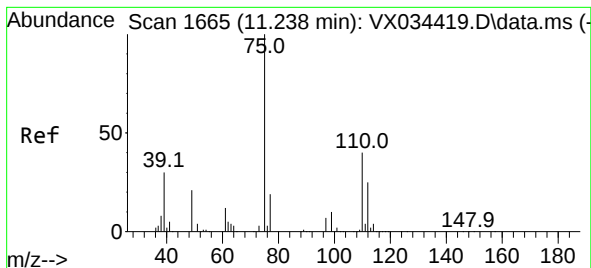


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034496.D
Acq: 15 Mar 2023 10:08

Tgt Ion:152 Resp: 157789

Ion	Ratio	Lower	Upper
152	100		
115	59.8	45.0	135.0
150	158.4	0.0	352.4





#76

1,2,3-Trichloropropane

Concen: 27.377 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

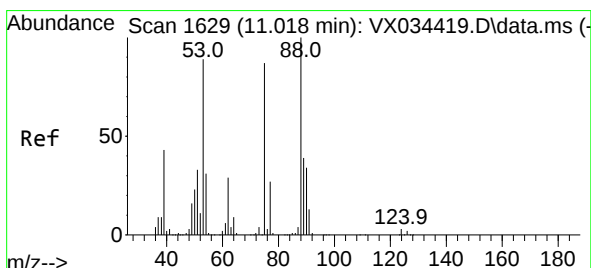
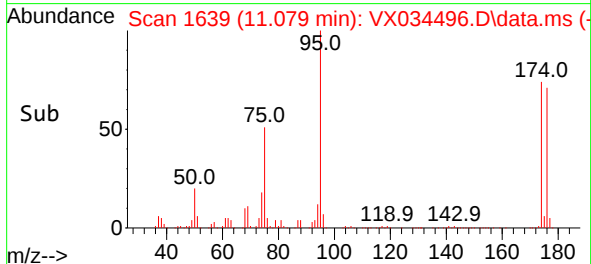
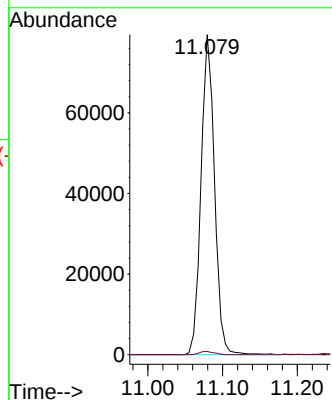
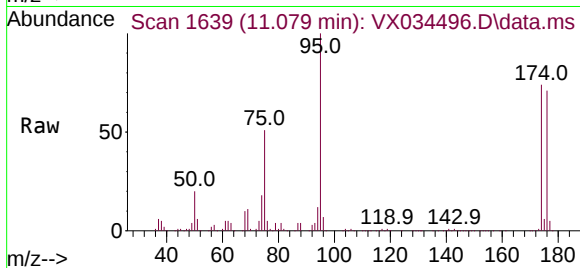
RE131D1-20230312

Tgt Ion: 75 Resp: 99188

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.064 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034496.D

Acq: 15 Mar 2023 10:08

Tgt Ion: 75 Resp: 99188

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

