

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034456.D
 Acq On : 14 Mar 2023 11:48
 Operator : JC/MD
 Sample : 01879-20DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20230309DL

Quant Time: Mar 15 06:37:48 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)

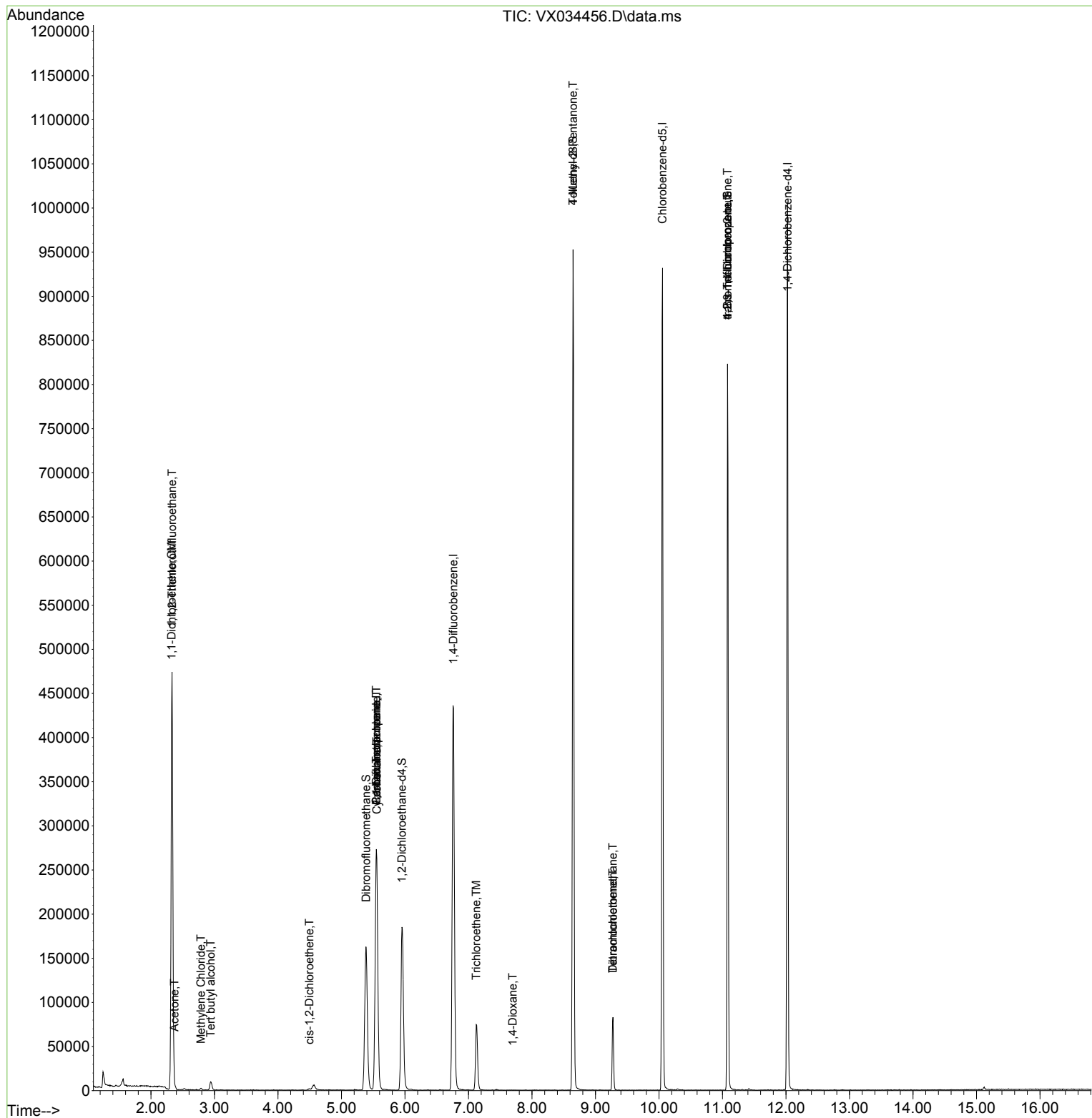
Internal Standards						
1) Pentafluorobenzene	5.550	168	263550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175233	45.704	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.400%
35) Dibromofluoromethane	5.385	113	142727	47.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	8.647	98	547494	48.946	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.900%
62) 4-Bromofluorobenzene	11.079	95	211138	46.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.460%
Target Compounds						Qvalue
3) Chloromethane	1.301	50	743	Below Cal		94
9) 1,1,2-Trichlorotrifluo...	2.331	101	185906	63.459	ug/l	99
11) Tert butyl alcohol	2.941	59	5975	7.483	ug/l #	75
12) 1,1-Dichloroethene	2.325	96	1376	0.477	ug/l #	70
16) Acetone	2.368	43	1251	0.693	ug/l #	68
20) Methylene Chloride	2.788	84	994	0.284	ug/l #	80
27) cis-1,2-Dichloroethene	4.495	96	1041	0.282	ug/l	93
31) Cyclohexane	5.556	56	6381	1.187	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	21279	4.624	ug/l #	51
38) Carbon Tetrachloride	5.550	117	26088	5.698	ug/l #	15
44) Trichloroethene	7.123	130	29204	8.348	ug/l	98
49) 1,4-Dioxane	7.696	88	21	0.244	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	2580	0.522	ug/l #	1
60) Dibromochloromethane	9.275	129	14843	4.278	ug/l #	10
64) Tetrachloroethene	9.275	164	15586	5.706	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	110031	23.556	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	110031	63.726	ug/l #	8

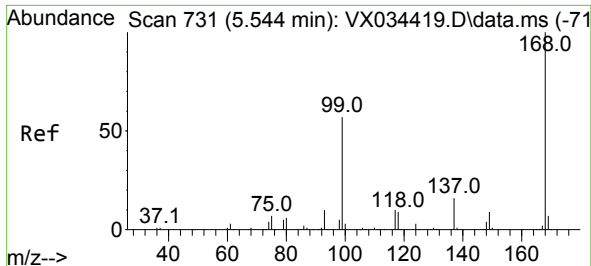
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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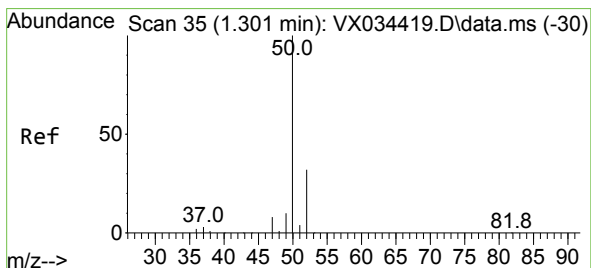
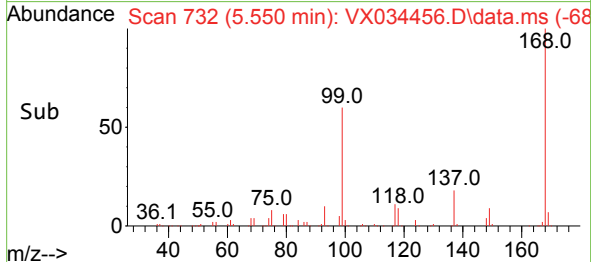
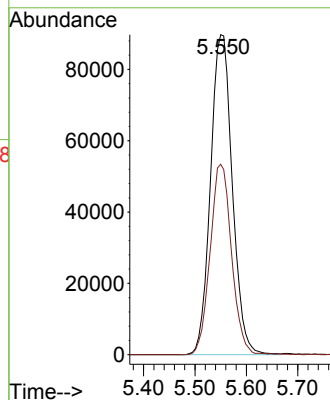
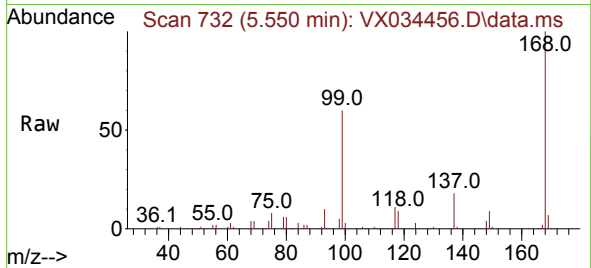




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

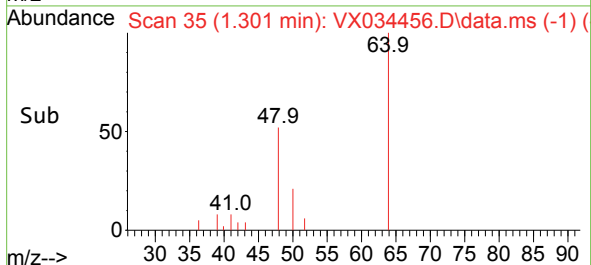
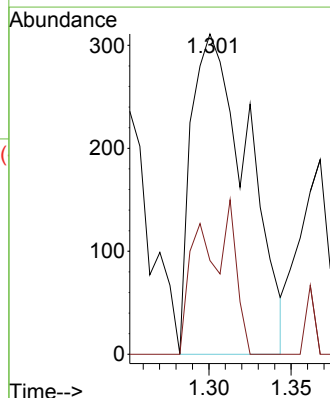
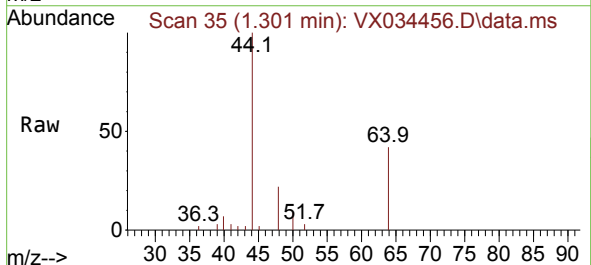
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

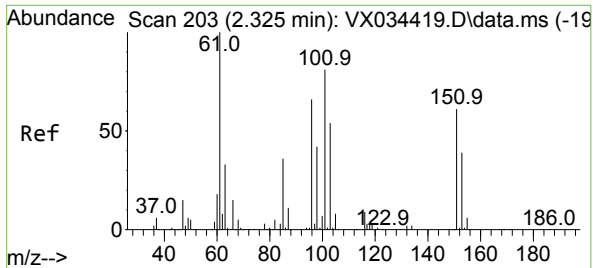
Tgt Ion:168 Resp: 263550
Ion Ratio Lower Upper
168 100
99 59.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 50 Resp: 743
Ion Ratio Lower Upper
50 100
52 29.3 25.9 38.9

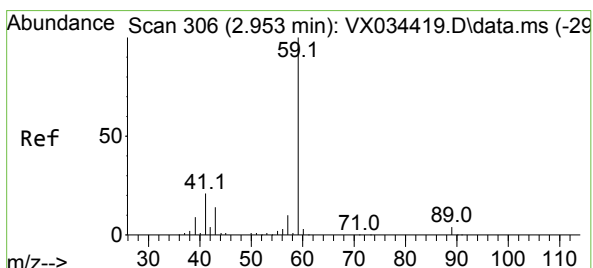
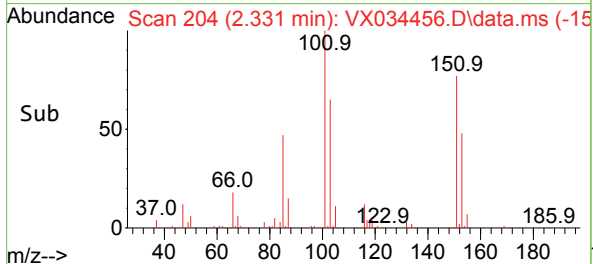
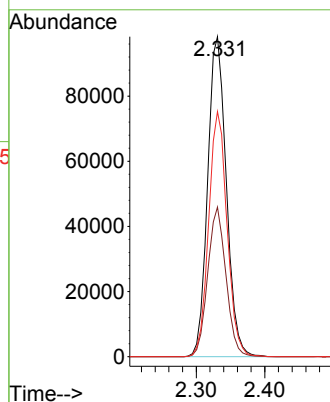
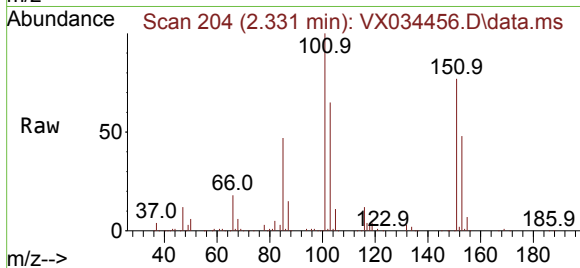




#9
1,1,2-Trichlorotrifluoroethane
Concen: 63.459 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

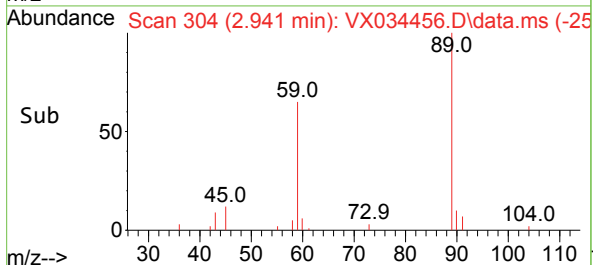
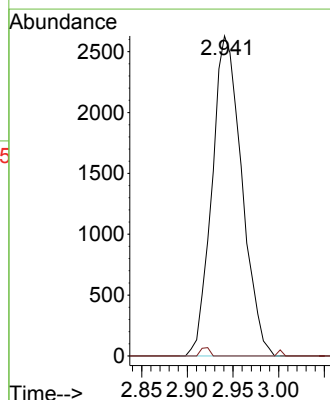
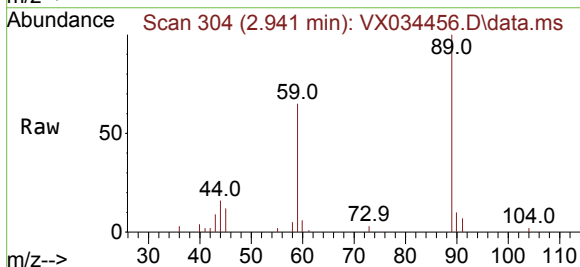
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

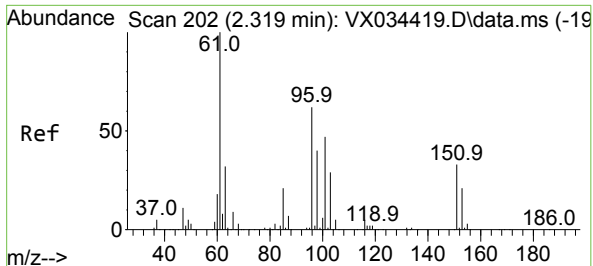
Tgt Ion:101 Resp: 185906
Ion Ratio Lower Upper
101 100
85 45.7 35.4 53.2
151 75.7 60.2 90.4



#11
Tert butyl alcohol
Concen: 7.483 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 59 Resp: 5975
Ion Ratio Lower Upper
59 100
57 0.8 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.477 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034456.D

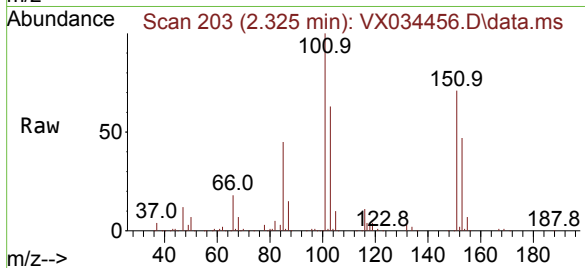
Acq: 14 Mar 2023 11:48

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20230309DL



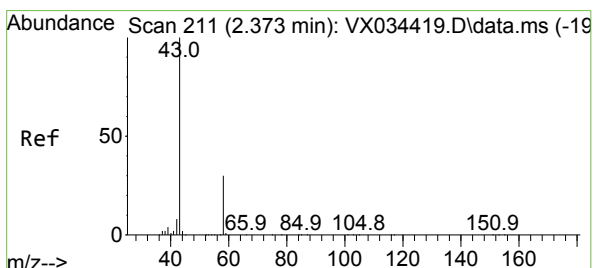
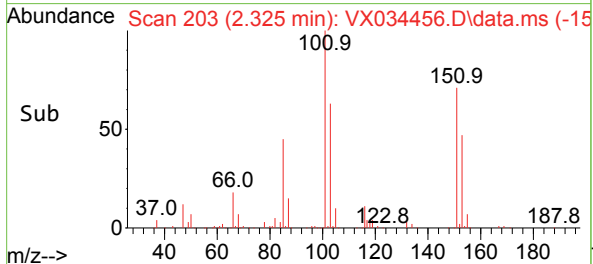
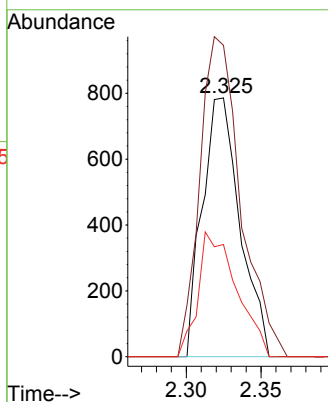
Tgt Ion: 96 Resp: 1376

Ion Ratio Lower Upper

96 100

61 120.4 128.8 193.2#

98 43.4 51.4 77.0#



#16

Acetone

Concen: 0.693 ug/l

RT: 2.368 min Scan# 210

Delta R.T. -0.006 min

Lab File: VX034456.D

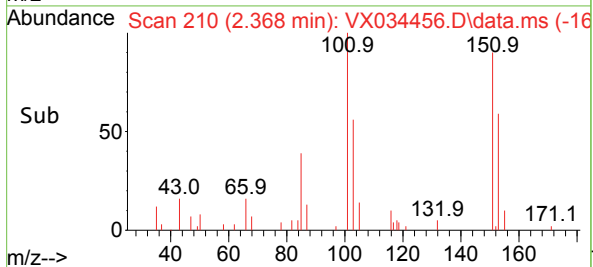
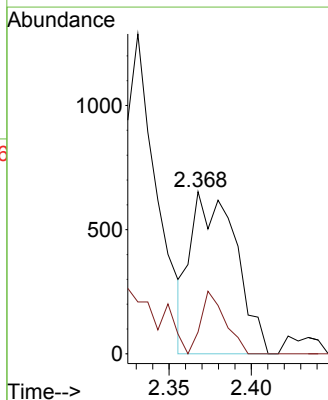
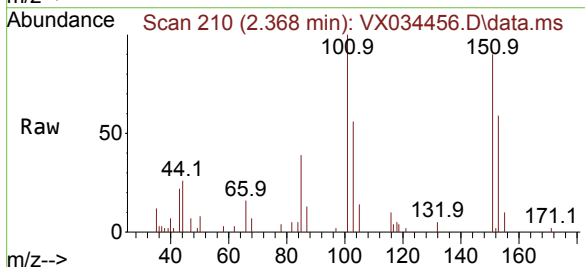
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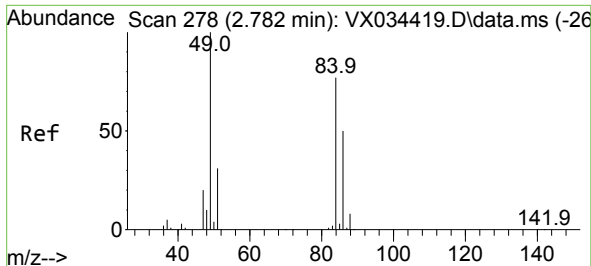
Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

58 13.5 24.7 37.1#

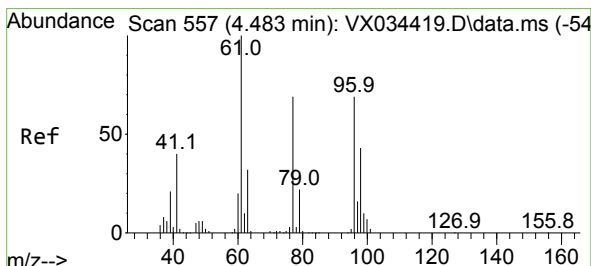
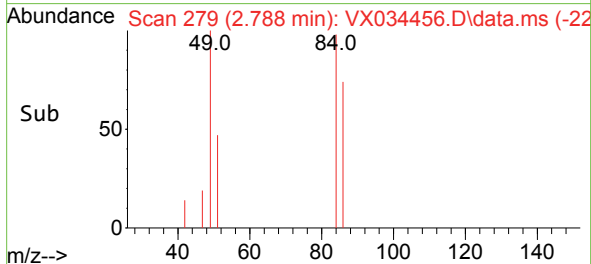
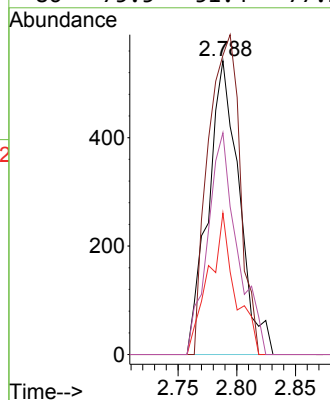
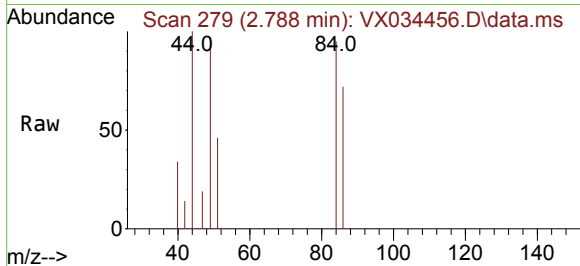




#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

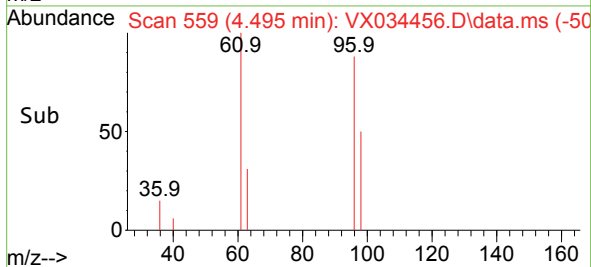
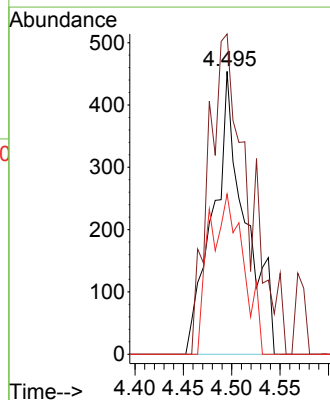
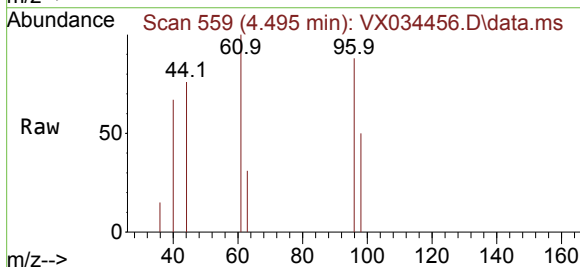
Instrument :
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ClientSampleId :
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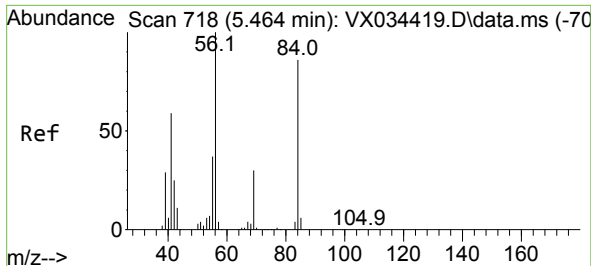
Tgt Ion:	84	Resp:	994
Ion	Ratio	Lower	Upper
84	100		
49	101.8	103.8	155.8#
51	48.2	31.8	47.8#
86	75.5	51.4	77.2



#27
cis-1,2-Dichloroethene
Concen: 0.282 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion:	96	Resp:	1041
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	300.4
98	60.2	0.0	129.0

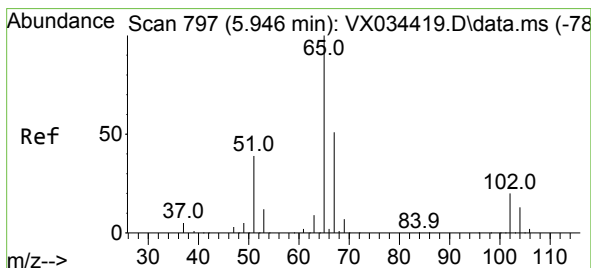
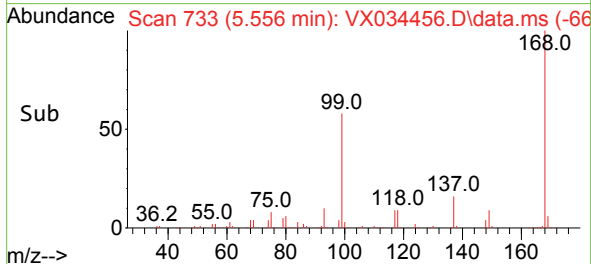
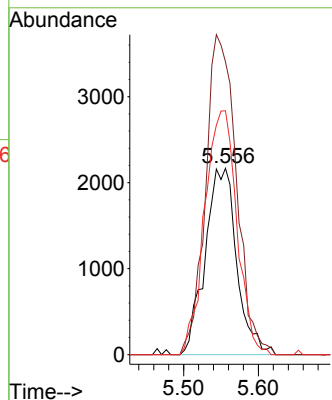
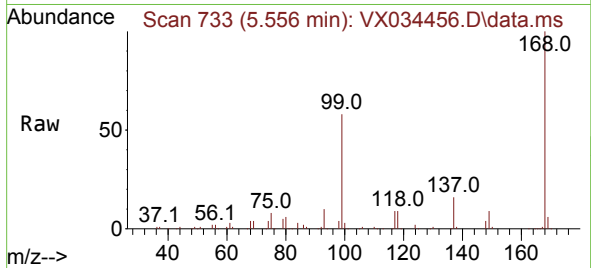




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

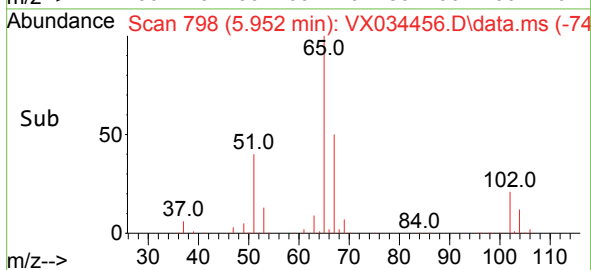
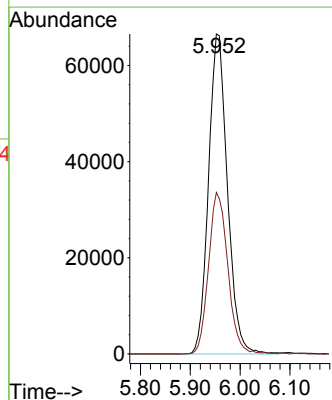
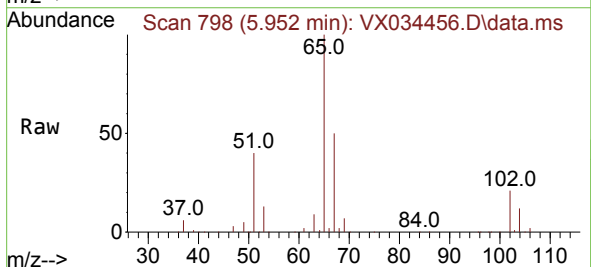
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RE134D4-20230309DL

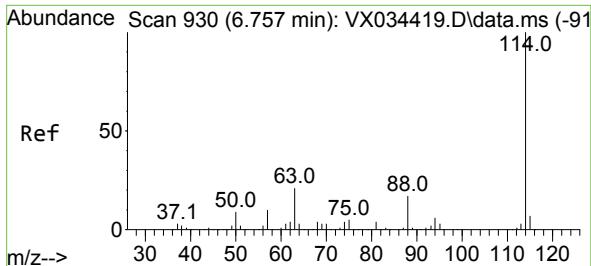
Tgt Ion: 56 Resp: 6381
Ion Ratio Lower Upper
56 100
69 157.0 23.7 35.5#
84 130.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.704 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 65 Resp: 175233
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0

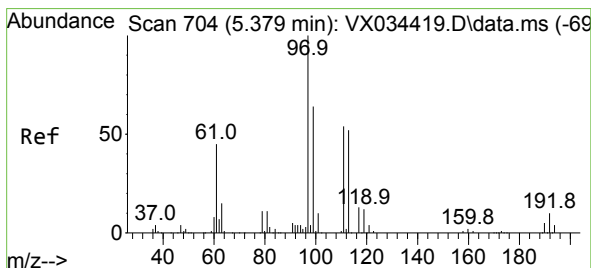
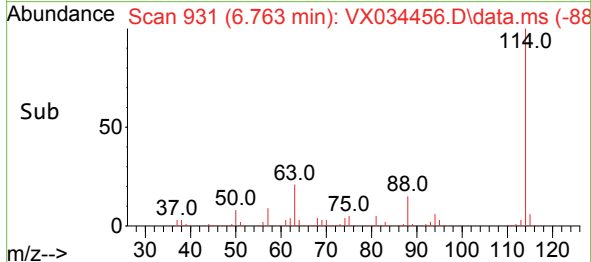
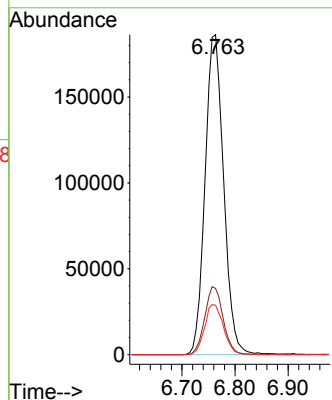
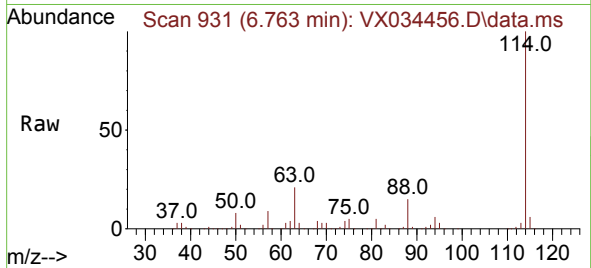




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

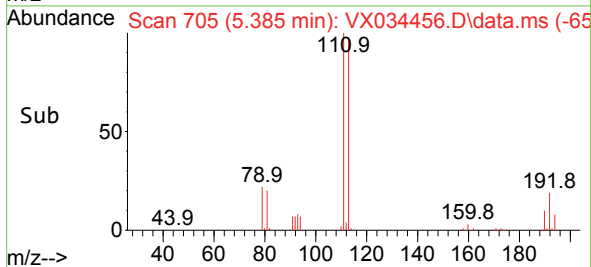
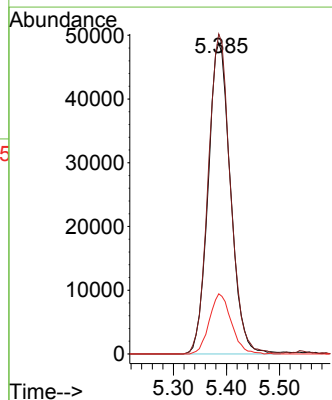
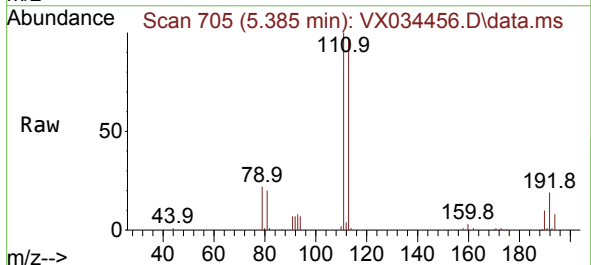
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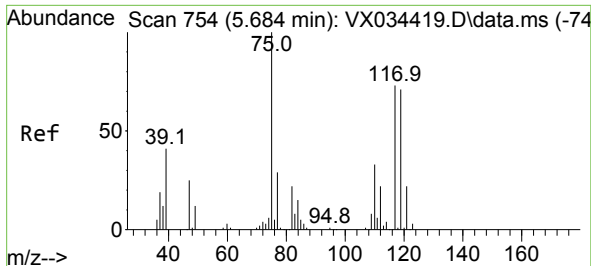
Tgt Ion:114 Resp: 453831
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.2
88 15.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.633 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion:113 Resp: 142727
Ion Ratio Lower Upper
113 100
111 102.0 83.7 125.5
192 19.0 15.4 23.2

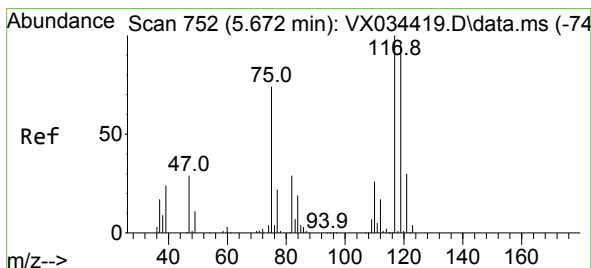
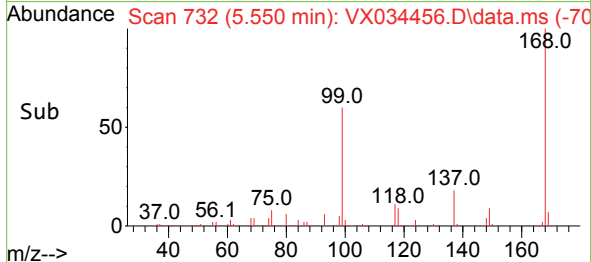
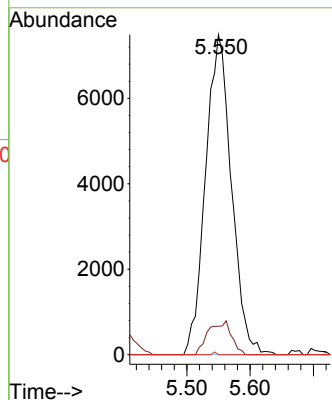
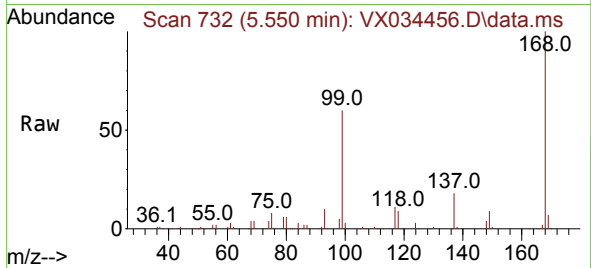




#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.134 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

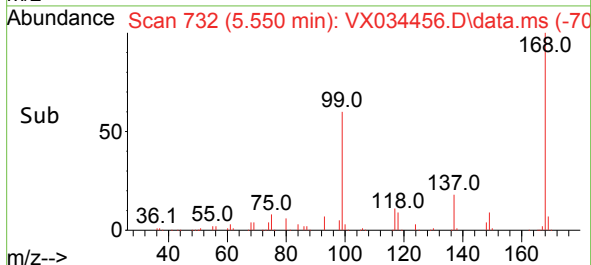
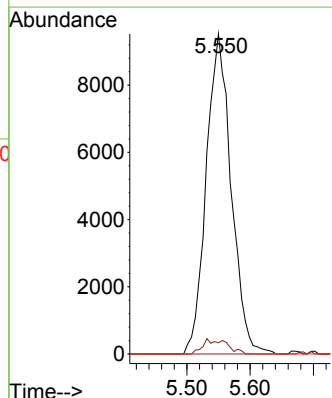
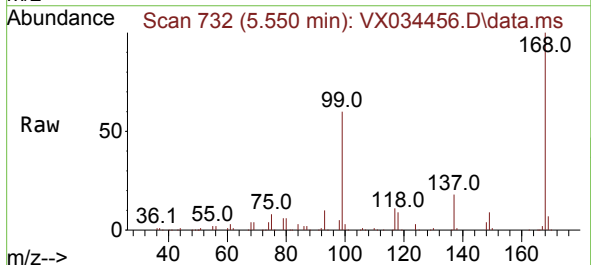
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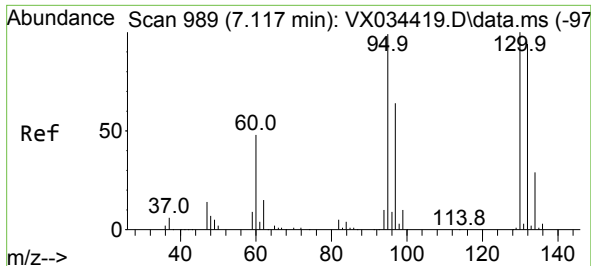
Tgt Ion: 75 Resp: 21279
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.1 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 117 Resp: 26088
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 23.8 35.6#

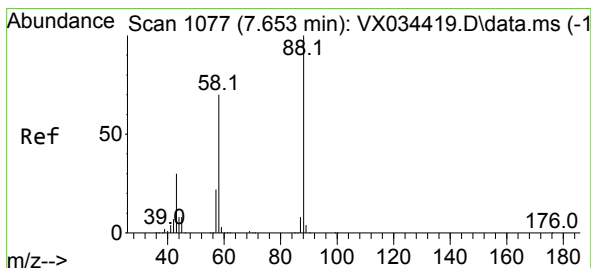
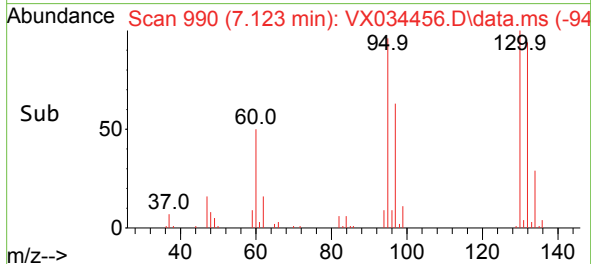
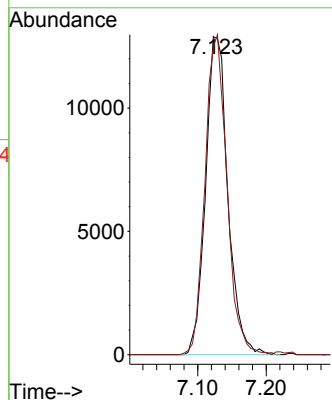
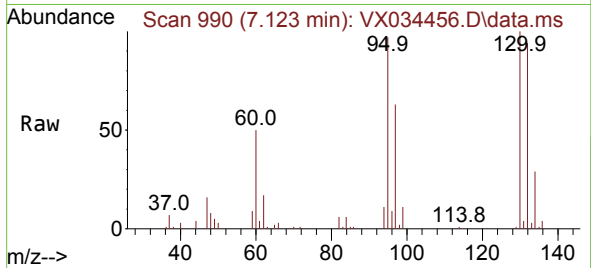




#44
Trichloroethene
Concen: 8.348 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

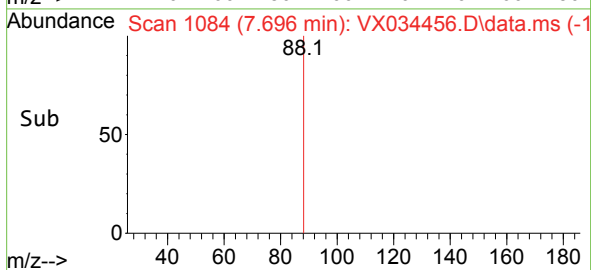
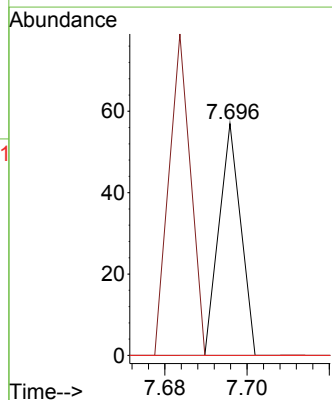
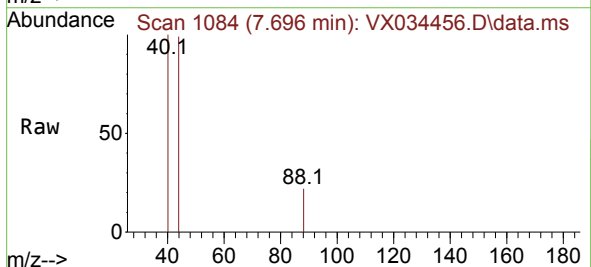
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

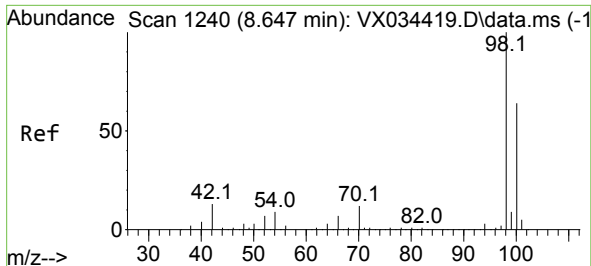
Tgt Ion:130 Resp: 29204
Ion Ratio Lower Upper
130 100
95 96.8 0.0 198.4



#49
1,4-Dioxane
Concen: 0.244 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.043 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 138.1 27.7 41.5#
58 0.0 56.8 85.2#

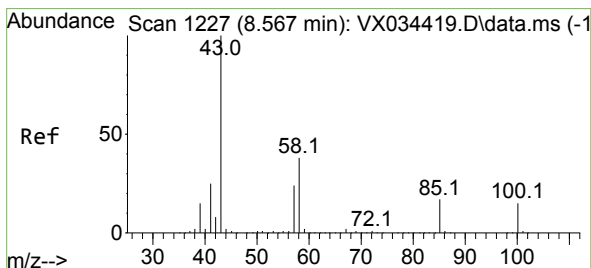
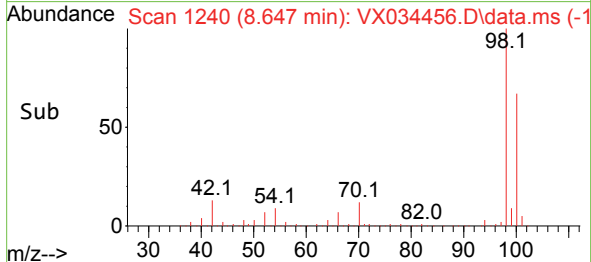
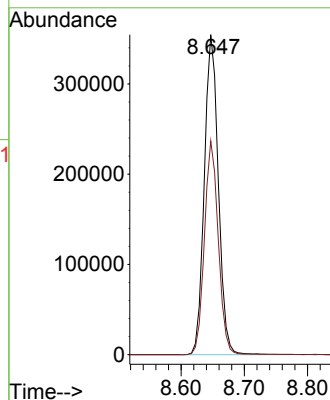
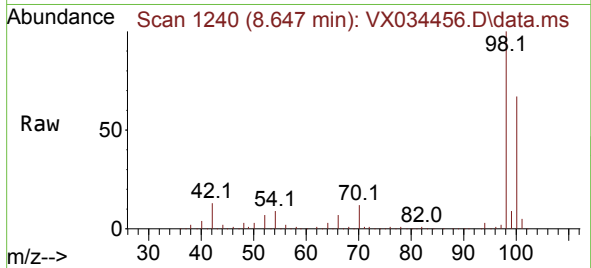




#50
Toluene-d8
Concen: 48.946 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

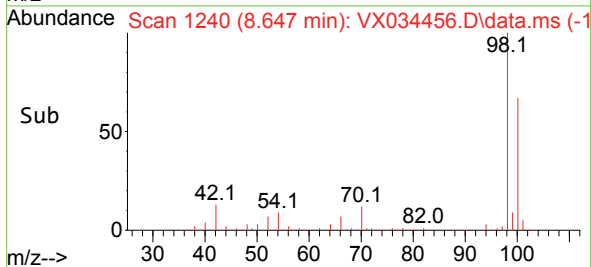
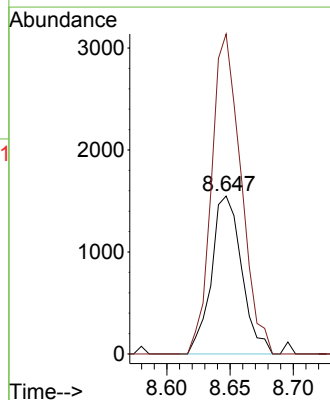
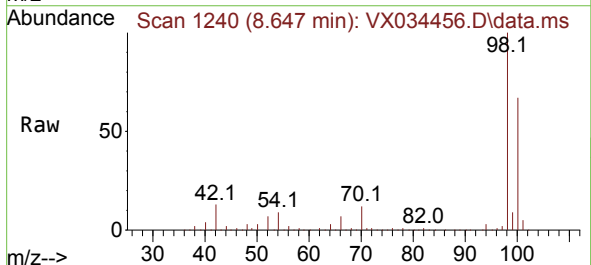
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

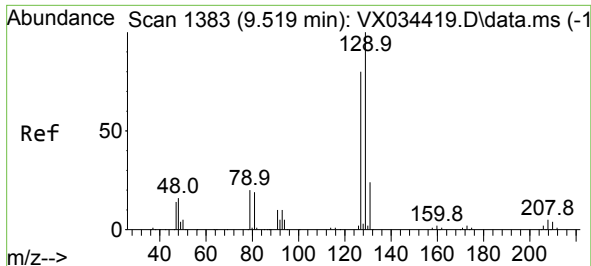
Tgt Ion: 98 Resp: 547494
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.522 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
58 197.1 30.6 46.0#

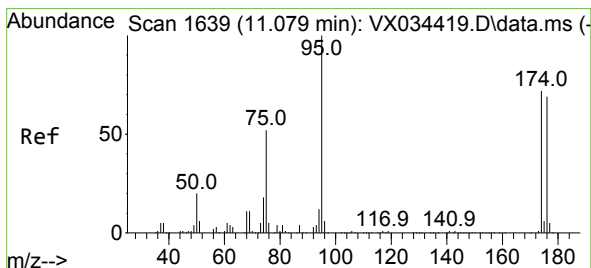
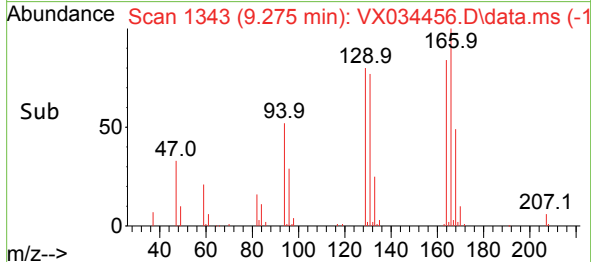
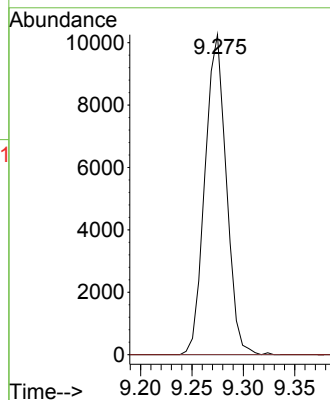
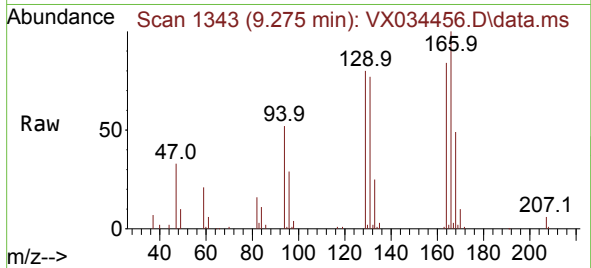




#60
Dibromochloromethane
Concen: 4.278 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

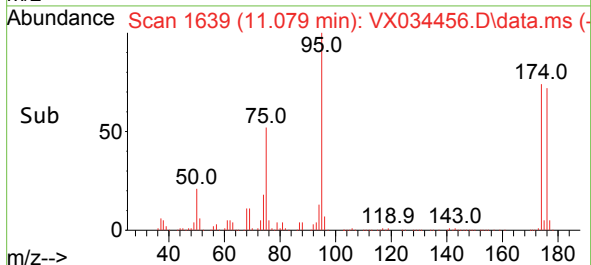
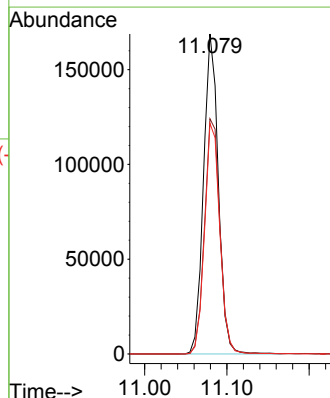
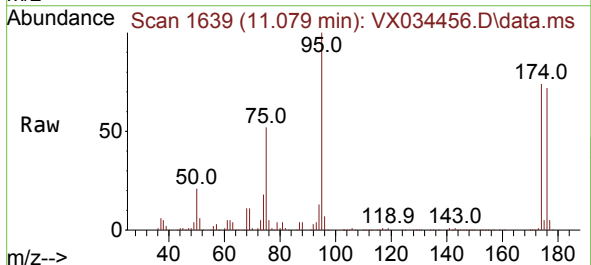
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

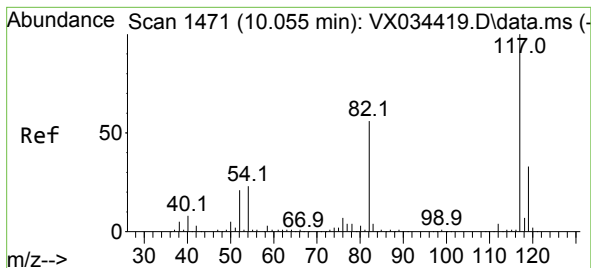
Tgt Ion:129 Resp: 14843
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 95 Resp: 211138
Ion Ratio Lower Upper
95 100
174 76.7 0.0 147.4
176 74.1 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: VX034456.D

Acq: 14 Mar 2023 11:48

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20230309DL

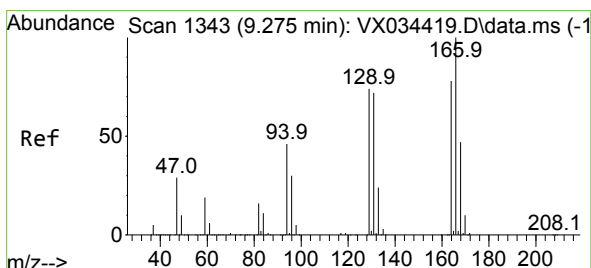
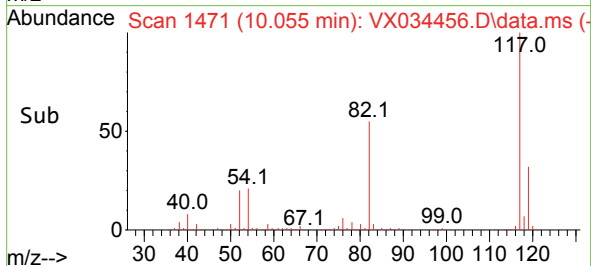
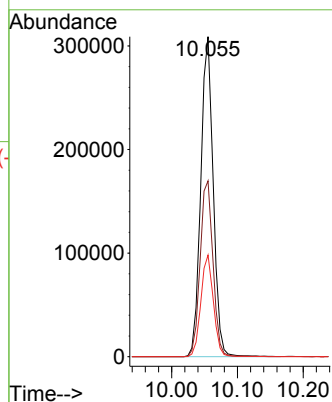
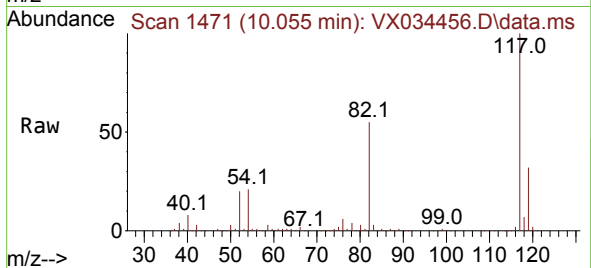
Tgt Ion:117 Resp: 406660

Ion Ratio Lower Upper

117 100

82 54.9 45.0 67.4

119 31.7 26.0 39.0



#64

Tetrachloroethene

Concen: 5.706 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX034456.D

Acq: 14 Mar 2023 11:48

Tgt Ion:164 Resp: 15586

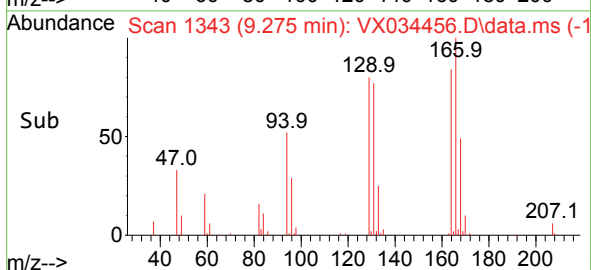
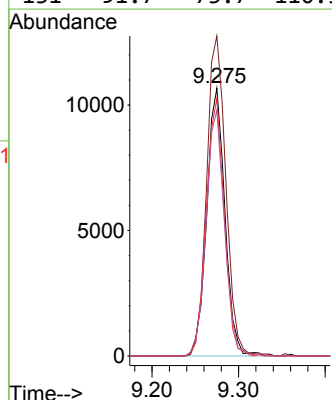
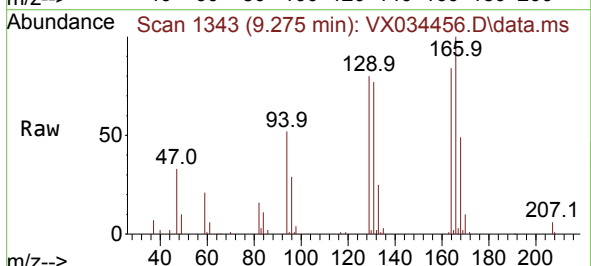
Ion Ratio Lower Upper

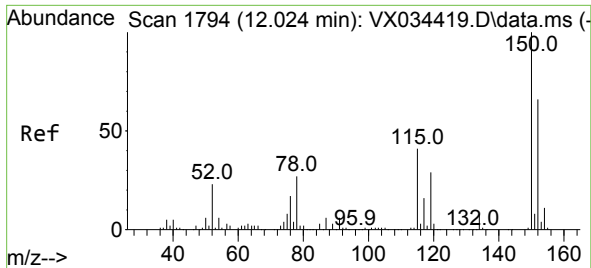
164 100

166 119.5 102.7 154.1

129 96.1 75.6 113.4

131 91.7 73.7 110.5

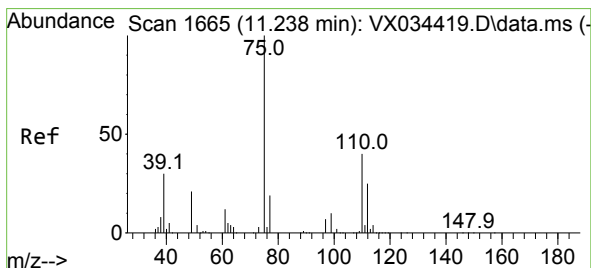
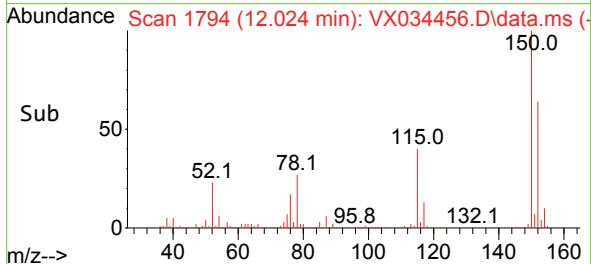
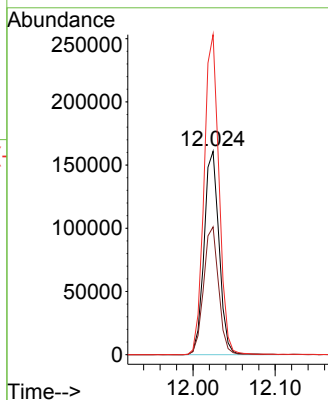
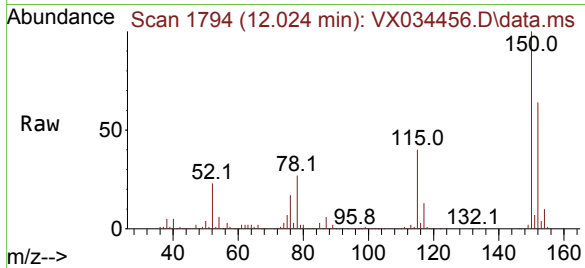




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

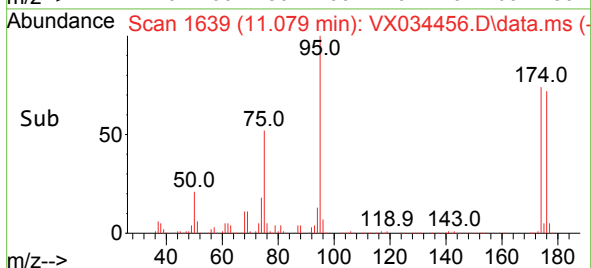
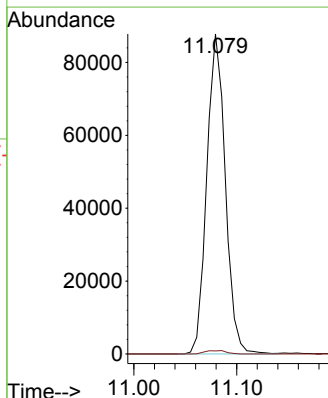
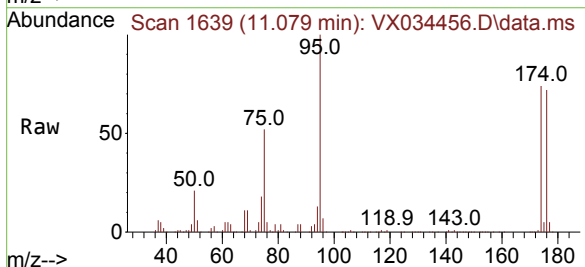
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309DL

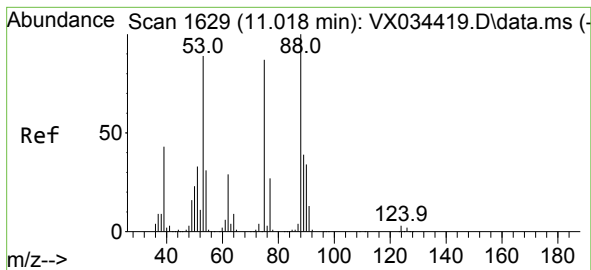
Tgt Ion:152 Resp: 203432
Ion Ratio Lower Upper
152 100
115 63.0 45.0 135.0
150 157.2 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 23.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034456.D
Acq: 14 Mar 2023 11:48

Tgt Ion: 75 Resp: 110031
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.726 ug/l
 RT: 11.079 min Scan# 110031
 Delta R.T. 0.061 min
 Lab File: VX034456.D
 Acq: 14 Mar 2023 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20230309DL

Tgt Ion: 75 Resp: 110031
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

