

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034441.D
 Acq On : 13 Mar 2023 18:33
 Operator : JC/MD
 Sample : 01879-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20230309

Quant Time: Mar 14 02:28:33 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)

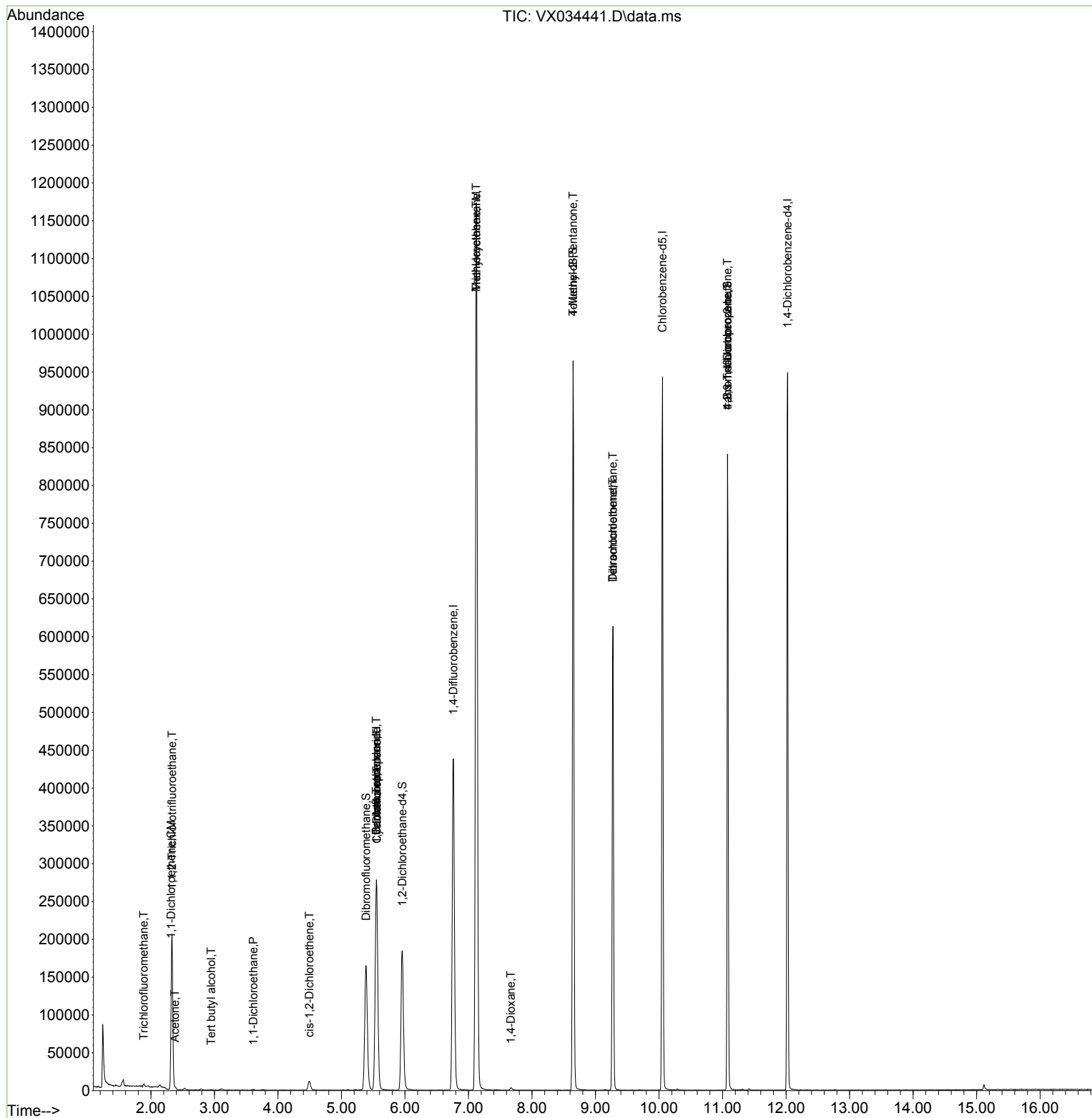
Internal Standards						
1) Pentafluorobenzene	5.550	168	269354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	456028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	413104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174400	44.506	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.020%		
35) Dibromofluoromethane	5.385	113	143115	47.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.060%		
50) Toluene-d8	8.647	98	554864	49.365	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.740%		
62) 4-Bromofluorobenzene	11.079	95	211858	46.664	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.320%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1239	Below Cal		90
7) Trichlorofluoromethane	1.886	101	1544	0.301 ug/l		89
9) 1,1,2-Trichlorotrifluo...	2.331	101	80520	26.893 ug/l		100
11) Tert butyl alcohol	2.946	59	544	0.667 ug/l #		73
12) 1,1-Dichloroethene	2.319	96	1917	0.650 ug/l		92
16) Acetone	2.380	43	1127	0.611 ug/l #		79
24) 1,1-Dichloroethane	3.611	63	1474	0.241 ug/l #		81
27) cis-1,2-Dichloroethene	4.495	96	7918	2.100 ug/l		86
31) Cyclohexane	5.556	56	6258	1.139 ug/l #		6
36) 1,1-Dichloropropene	5.556	75	21005	4.542 ug/l #		50
38) Carbon Tetrachloride	5.550	117	26530	5.767 ug/l #		16
39) Methylcyclohexane	7.123	83	5210	0.941 ug/l #		1
44) Trichloroethene	7.123	130	445813	126.829 ug/l		100
49) 1,4-Dioxane	7.665	88	2775	32.096 ug/l #		94
51) 4-Methyl-2-Pentanone	8.647	43	2696	0.543 ug/l #		1
60) Dibromochloromethane	9.275	129	109259	31.340 ug/l #		10
64) Tetrachloroethene	9.275	164	113498	40.901 ug/l		97
76) 1,2,3-Trichloropropane	11.079	75	110290	25.228 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	110290	68.248 ug/l #		8

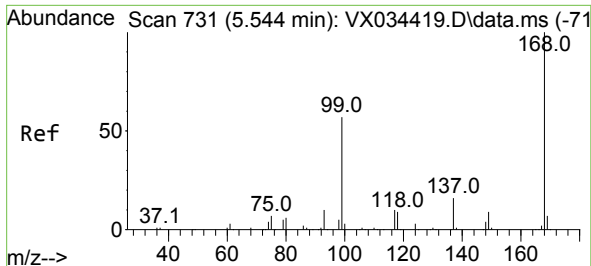
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

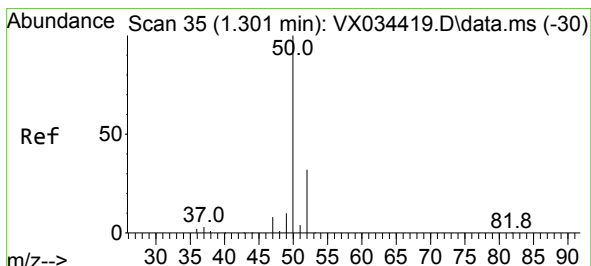
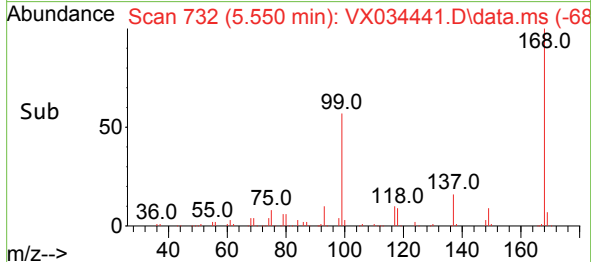
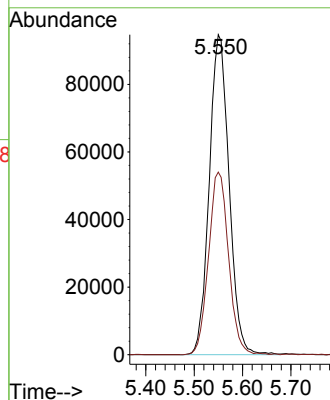
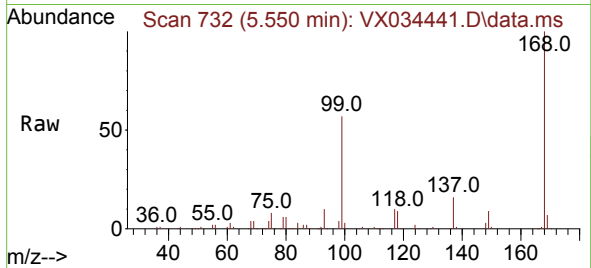




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

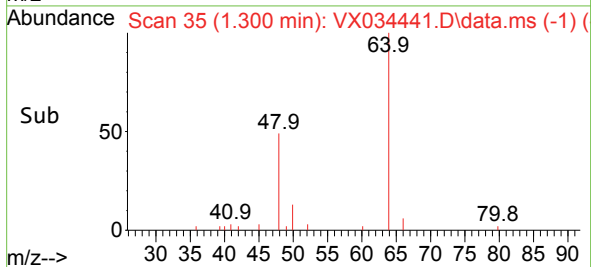
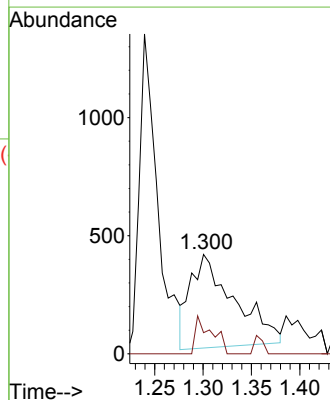
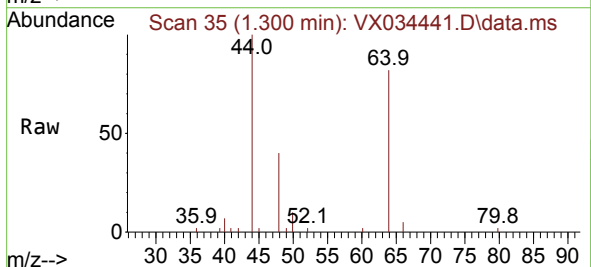
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

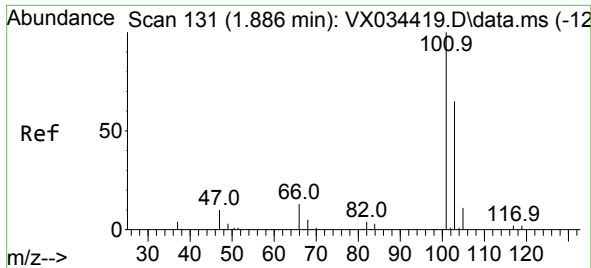
Tgt Ion:168 Resp: 269354
Ion Ratio Lower Upper
168 100
99 57.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 50 Resp: 1239
Ion Ratio Lower Upper
50 100
52 26.6 25.9 38.9

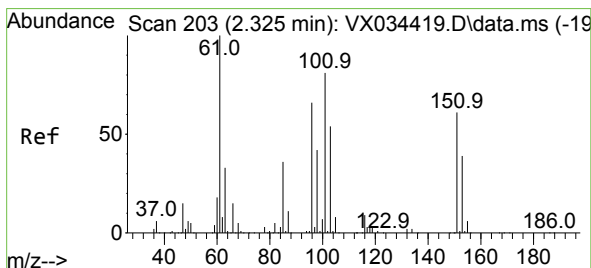
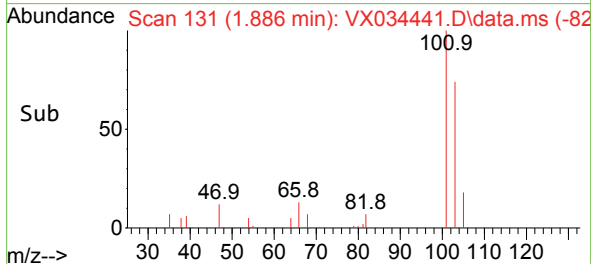
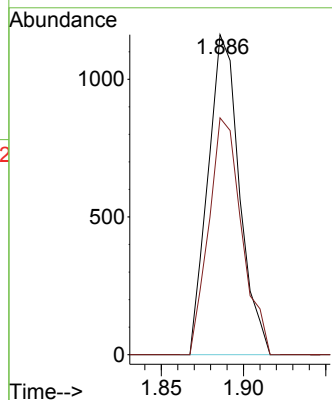
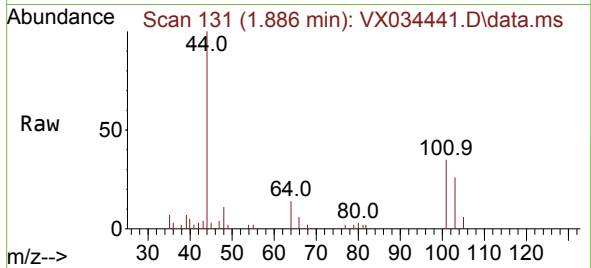




#7
 Trichlorofluoromethane
 Concen: 0.301 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034441.D
 Acq: 13 Mar 2023 18:33

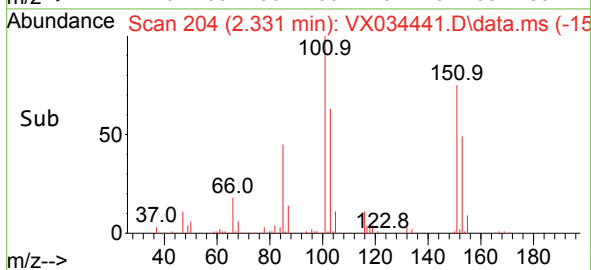
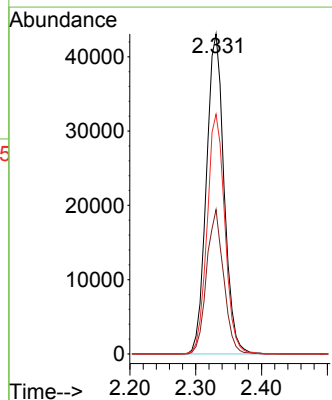
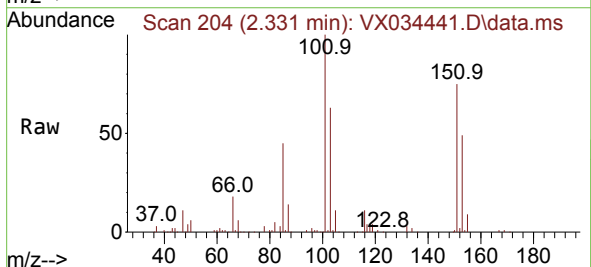
Instrument :
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 ClientSampleId :
 RE134D2-20230309

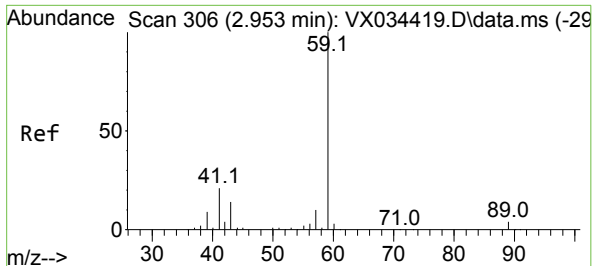
Tgt Ion:101 Resp: 1544
 Ion Ratio Lower Upper
 101 100
 103 74.0 52.0 78.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 26.893 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX034441.D
 Acq: 13 Mar 2023 18:33

Tgt Ion:101 Resp: 80520
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.4 53.2
 151 75.2 60.2 90.4

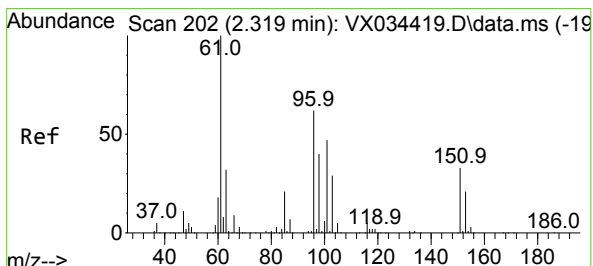
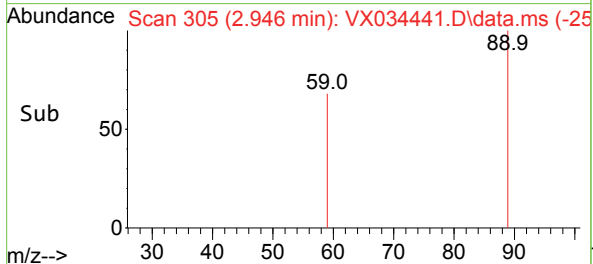
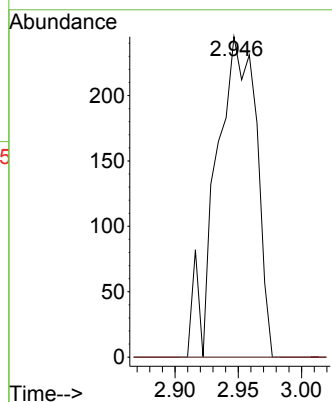
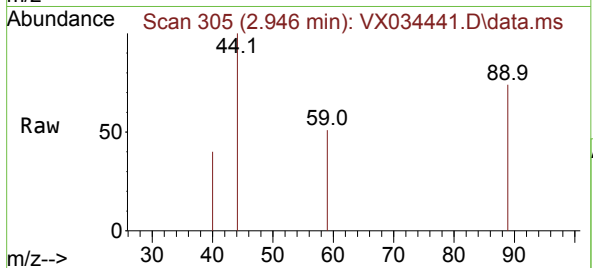




#11
Tert butyl alcohol
Concen: 0.667 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

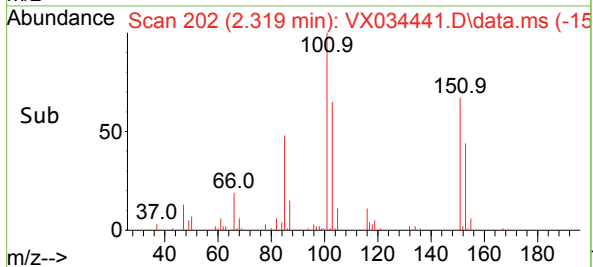
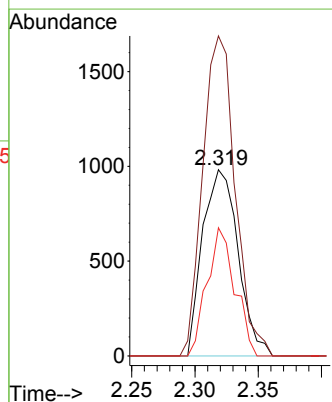
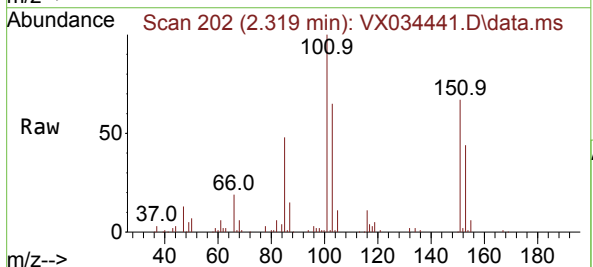
Instrument :
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ClientSampleId :
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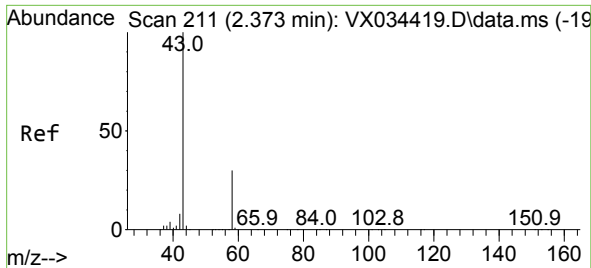
Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.650 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 96 Resp: 1917
Ion Ratio Lower Upper
96 100
61 171.9 128.8 193.2
98 68.8 51.4 77.0

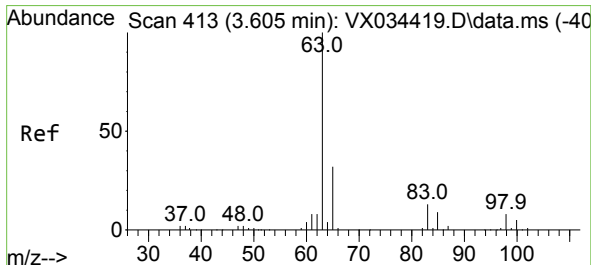
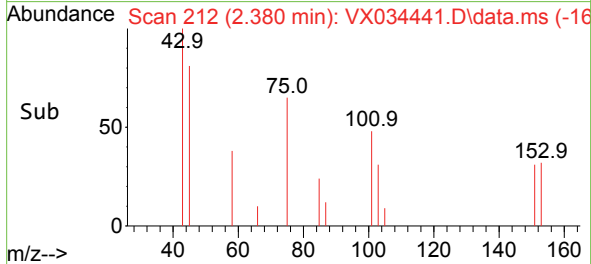
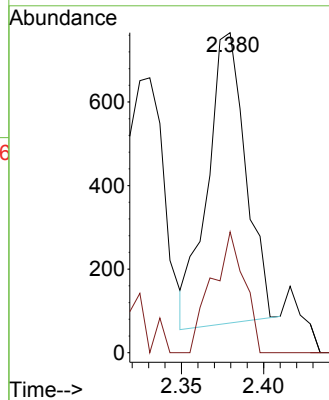
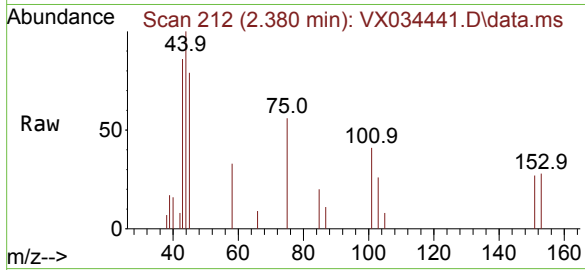




#16
Acetone
Concen: 0.611 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

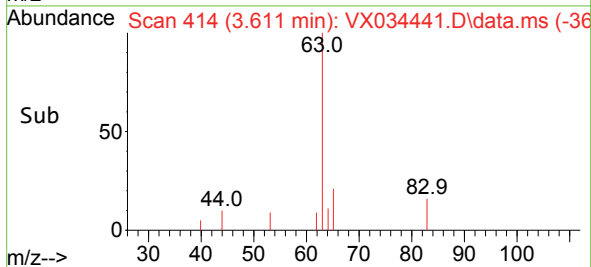
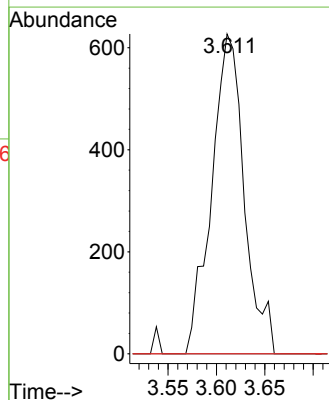
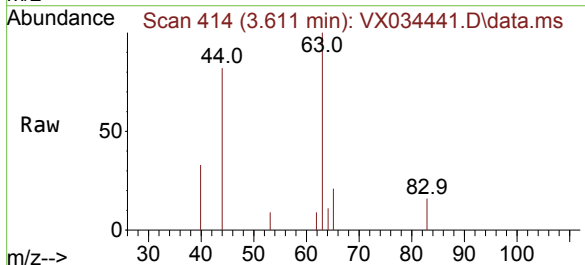
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

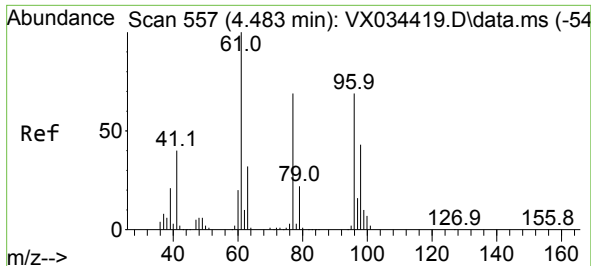
Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 42.6 24.7 37.1#



#24
1,1-Dichloroethane
Concen: 0.241 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 63 Resp: 1474
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.4 7.1#





#27

cis-1,2-Dichloroethene

Concen: 2.100 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034441.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230309

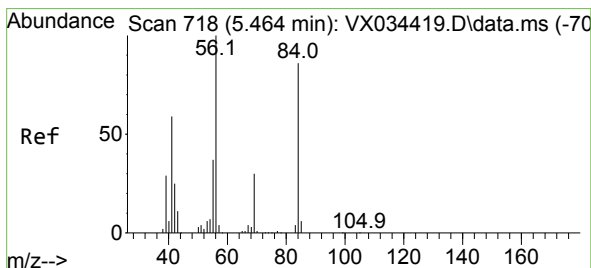
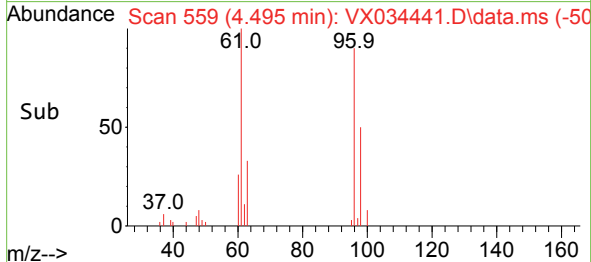
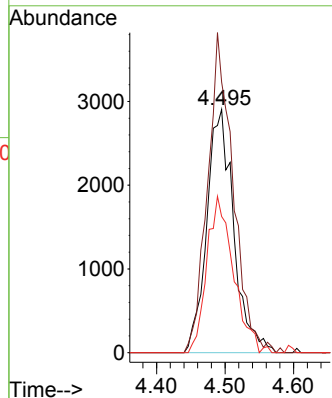
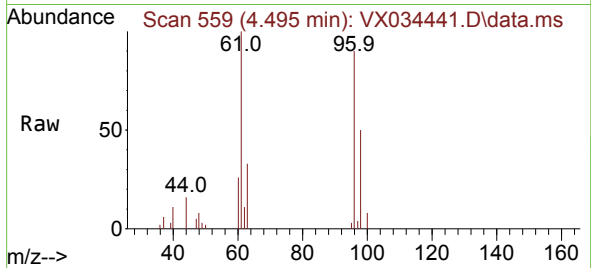
Tgt Ion: 96 Resp: 7918

Ion Ratio Lower Upper

96 100

61 124.8 0.0 300.4

98 63.7 0.0 129.0



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX034441.D

Acq: 13 Mar 2023 18:33

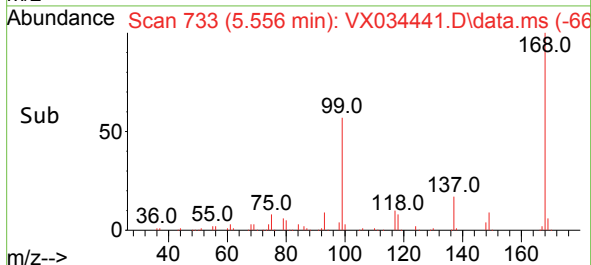
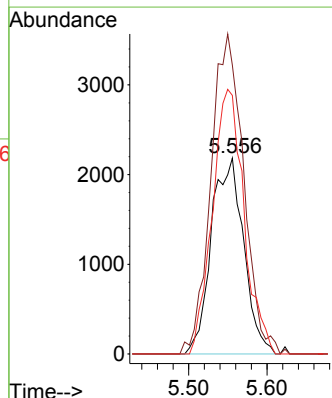
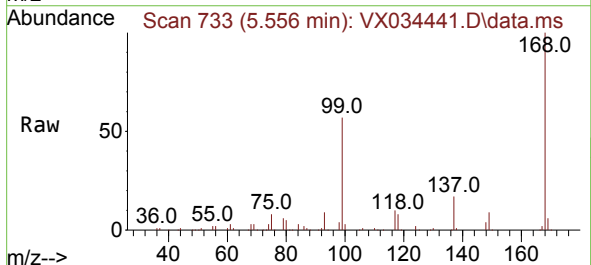
Tgt Ion: 56 Resp: 6258

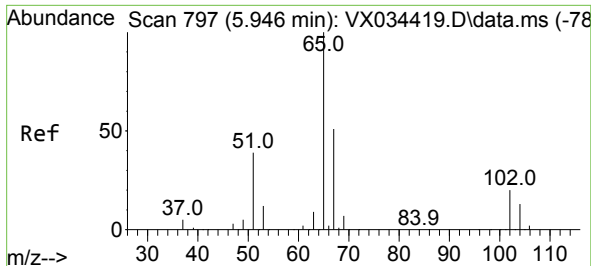
Ion Ratio Lower Upper

56 100

69 147.5 23.7 35.5#

84 132.0 68.5 102.7#

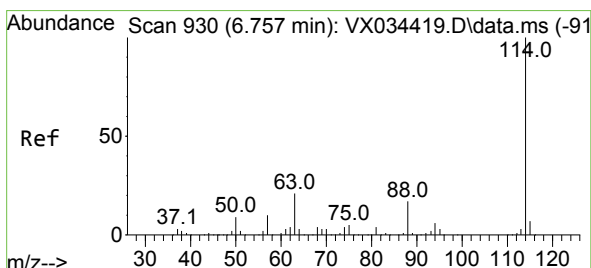
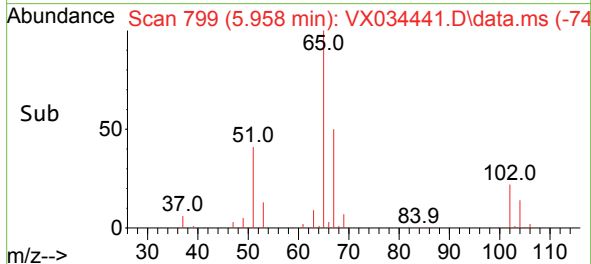
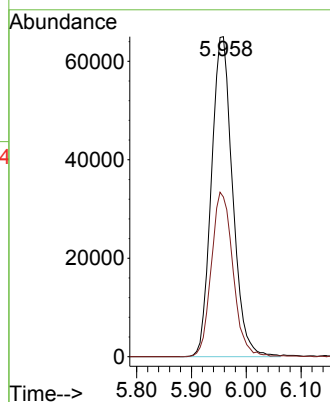
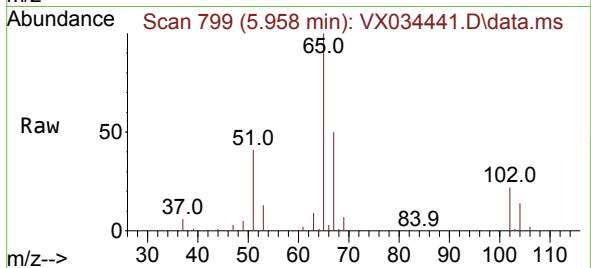




#33
1,2-Dichloroethane-d4
Concen: 44.506 ug/l
RT: 5.958 min Scan# 797
Delta R.T. 0.012 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

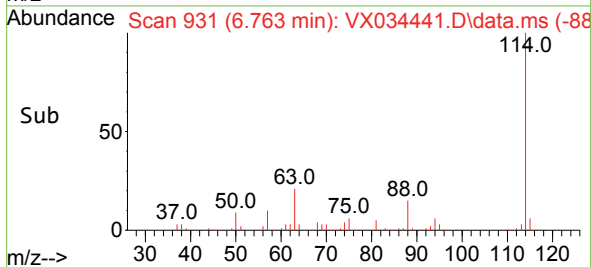
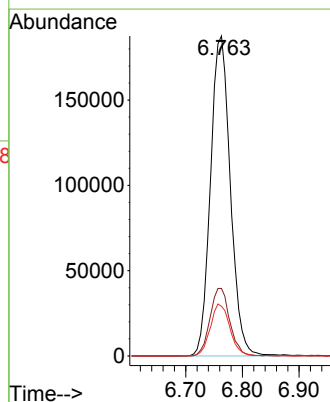
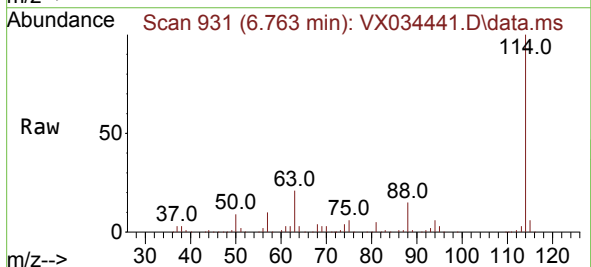
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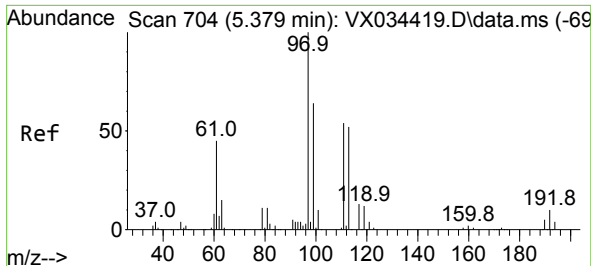
Tgt Ion: 65 Resp: 174400
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 114 Resp: 456028
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.2
88 15.5 0.0 33.2

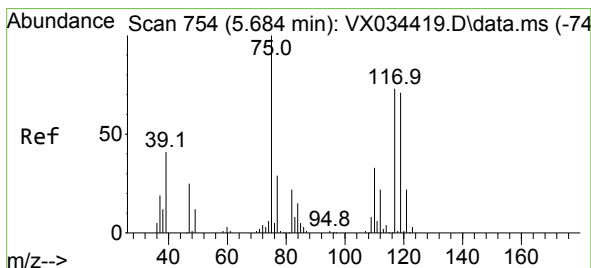
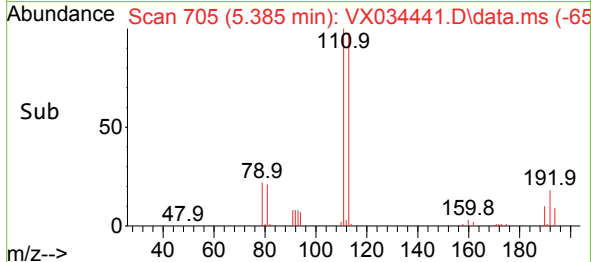
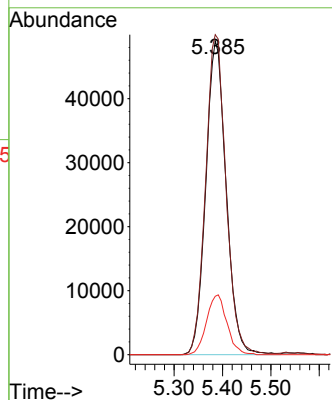
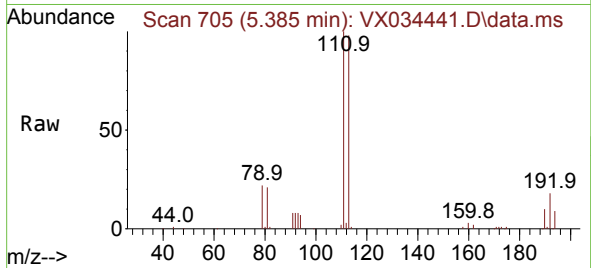




#35
Dibromofluoromethane
Concen: 47.532 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

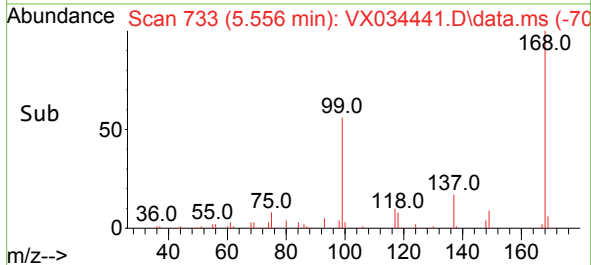
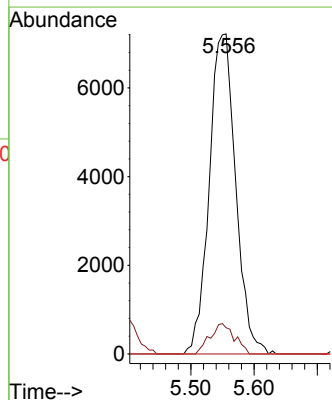
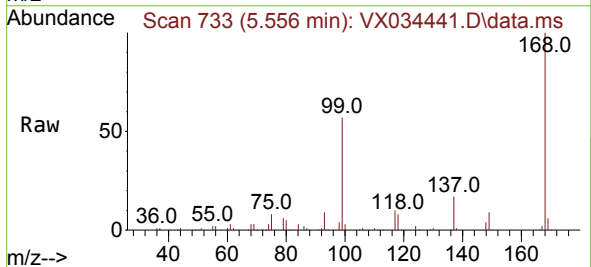
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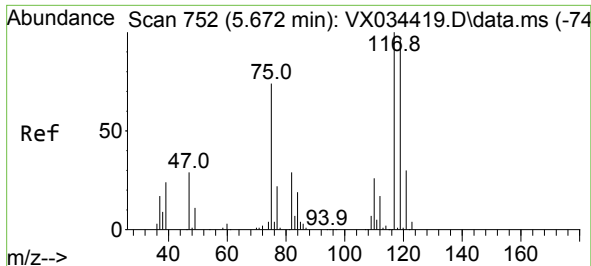
Tgt Ion:113 Resp: 143115
Ion Ratio Lower Upper
113 100
111 102.6 83.7 125.5
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 75 Resp: 21005
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.3 36.5#

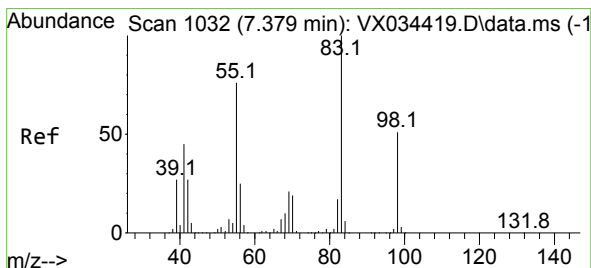
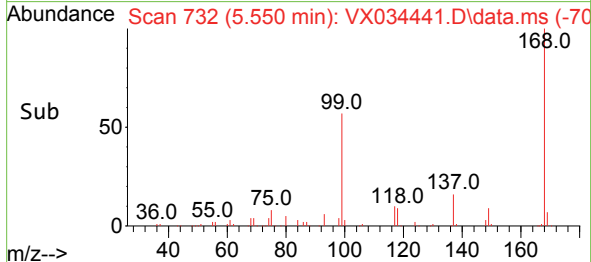
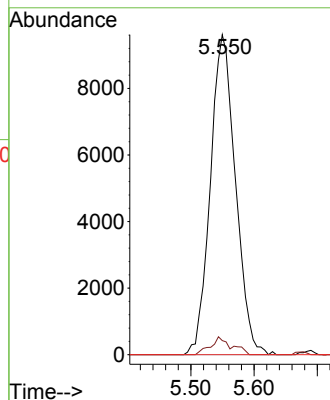
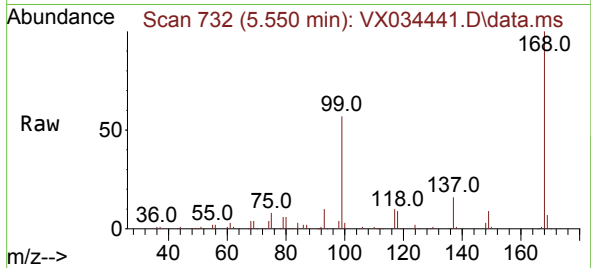




#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

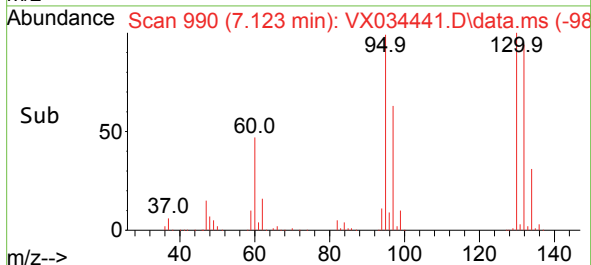
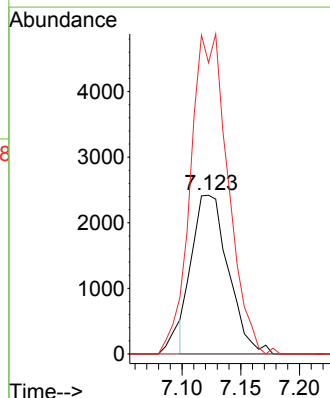
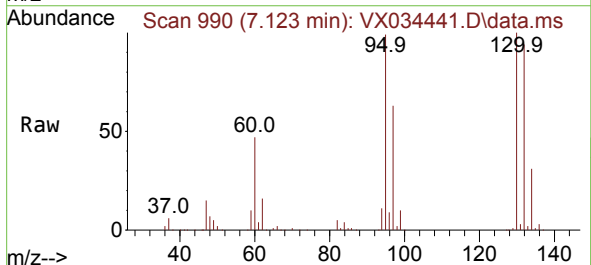
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

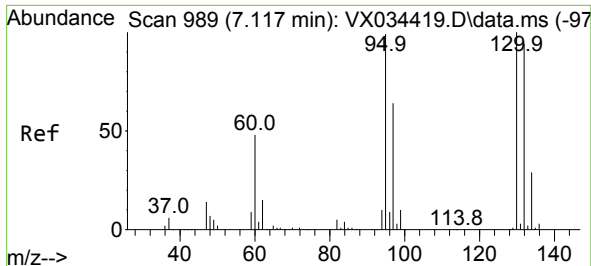
Tgt Ion:117 Resp: 26530
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 83 Resp: 5210
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 183.5 40.4 60.6#

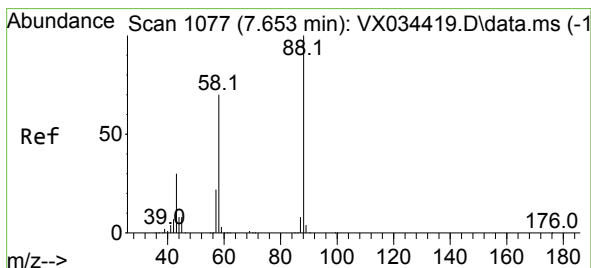
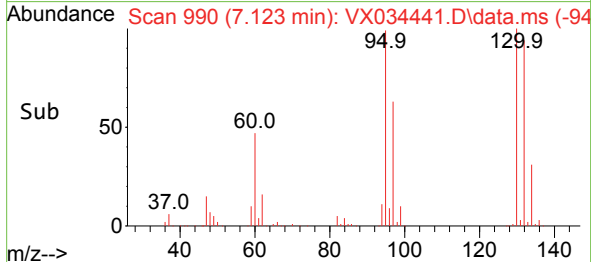
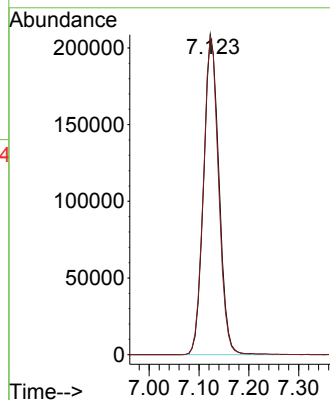
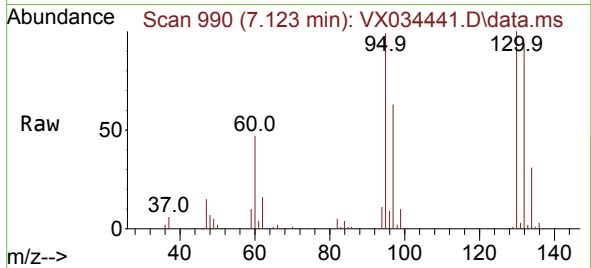




#44
Trichloroethene
Concen: 126.829 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

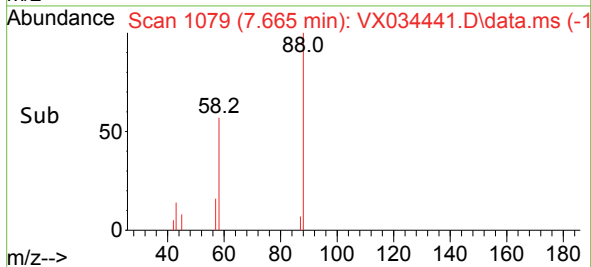
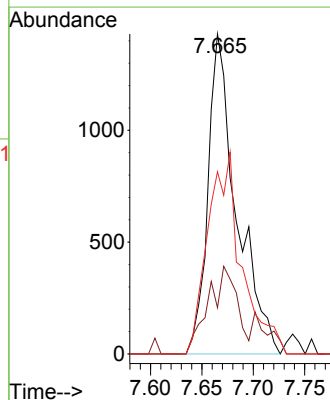
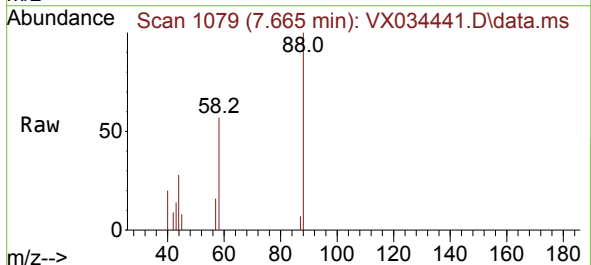
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

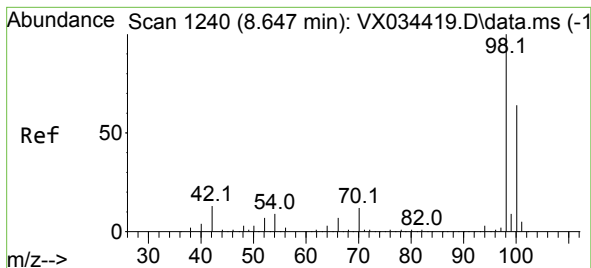
Tgt Ion:130 Resp: 445813
Ion Ratio Lower Upper
130 100
95 99.5 0.0 198.4



#49
1,4-Dioxane
Concen: 32.096 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 88 Resp: 2775
Ion Ratio Lower Upper
88 100
43 27.5 27.7 41.5#
58 73.8 56.8 85.2





#50

Toluene-d8

Concen: 49.365 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034441.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_X

ClientSampleId :

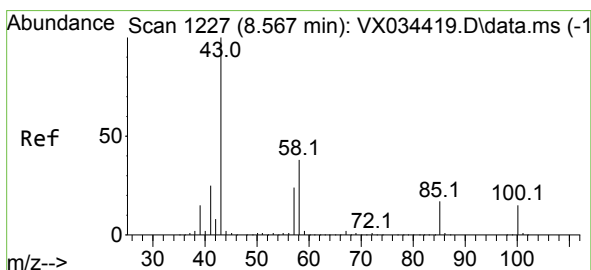
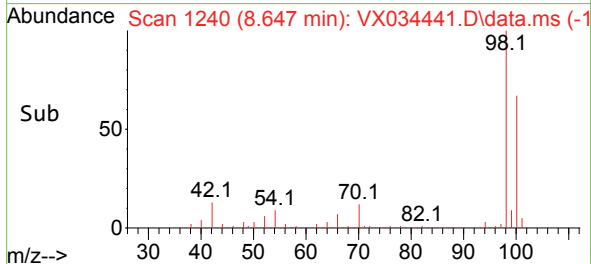
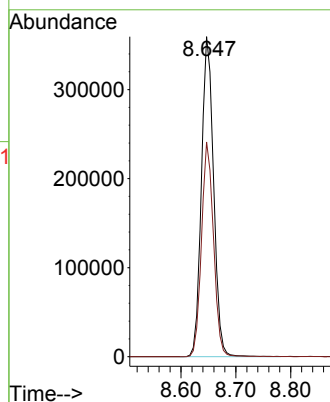
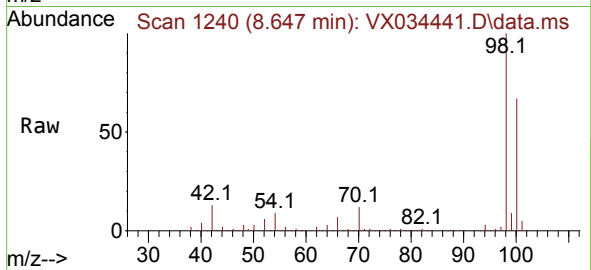
RE134D2-20230309

Tgt Ion: 98 Resp: 554864

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.543 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.079 min

Lab File: VX034441.D

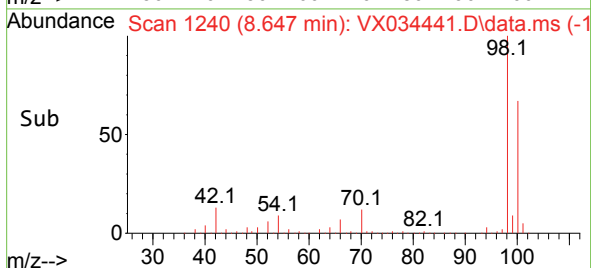
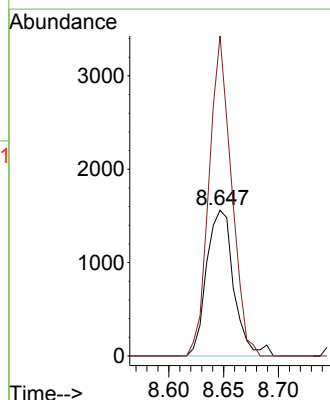
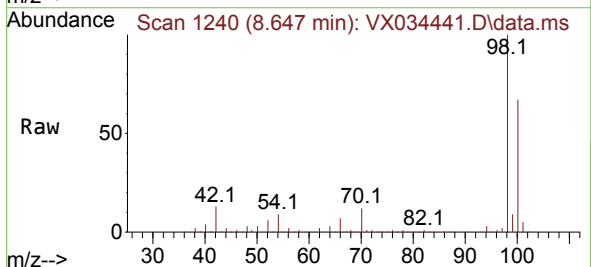
Acq: 13 Mar 2023 18:33

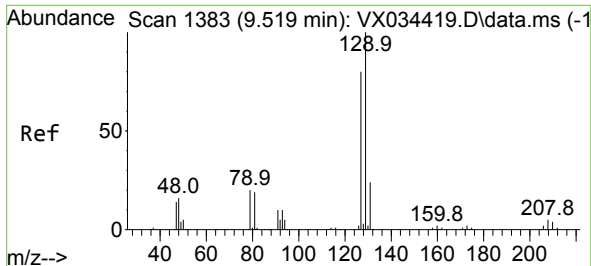
Tgt Ion: 43 Resp: 2696

Ion Ratio Lower Upper

43 100

58 181.0 30.6 46.0#

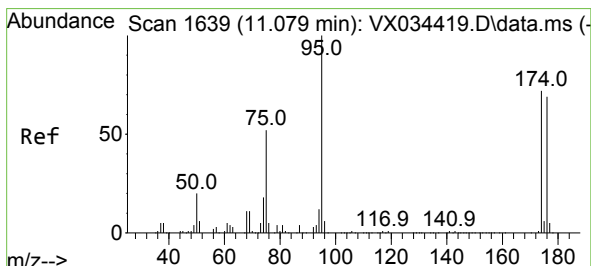
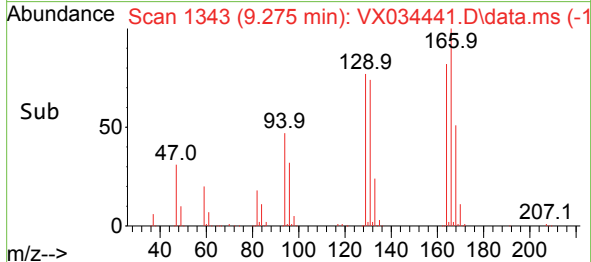
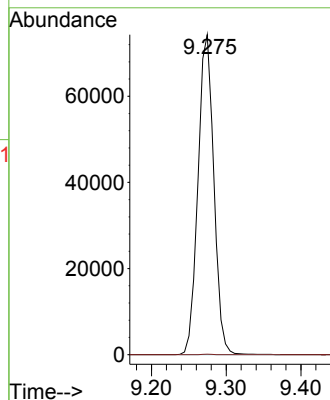
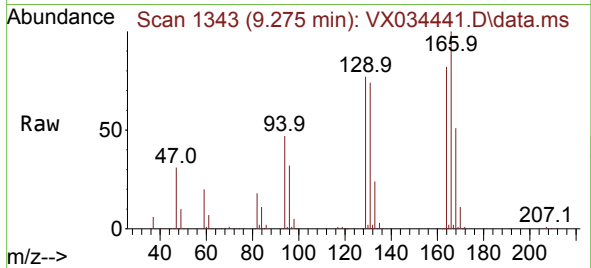




#60
Dibromochloromethane
Concen: 31.340 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

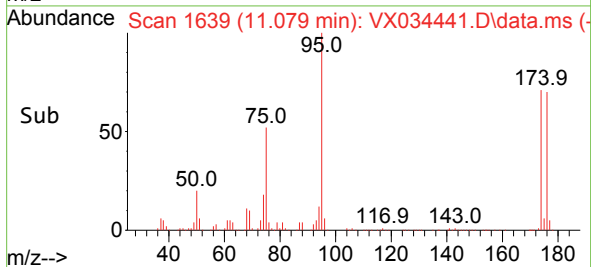
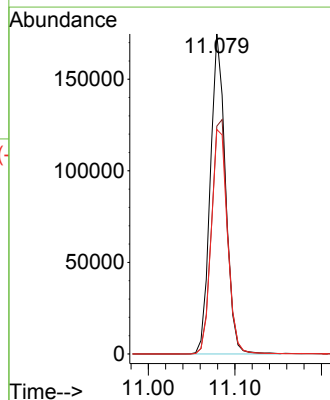
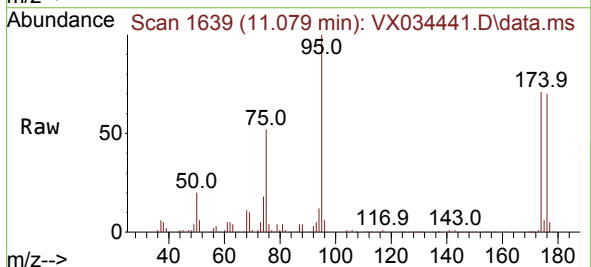
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

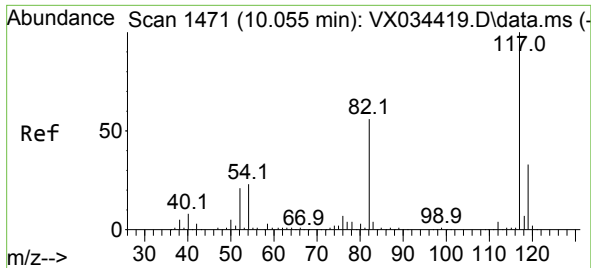
Tgt Ion:129 Resp: 109259
Ion Ratio Lower Upper
129 100
127 0.1 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 95 Resp: 211858
Ion Ratio Lower Upper
95 100
174 78.0 0.0 147.4
176 75.2 0.0 140.6

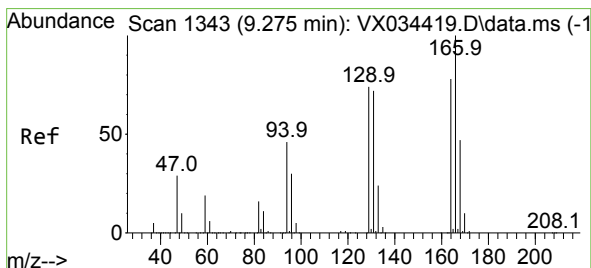
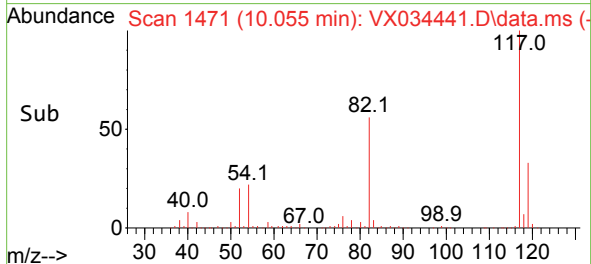
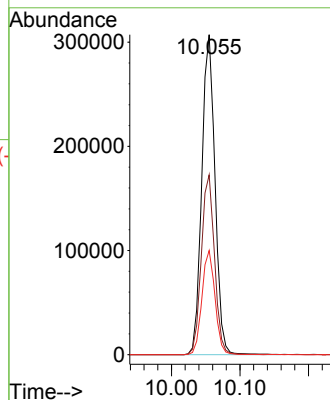
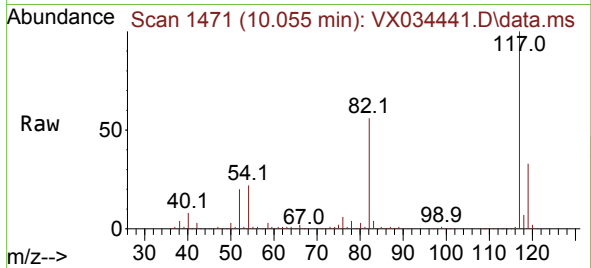




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

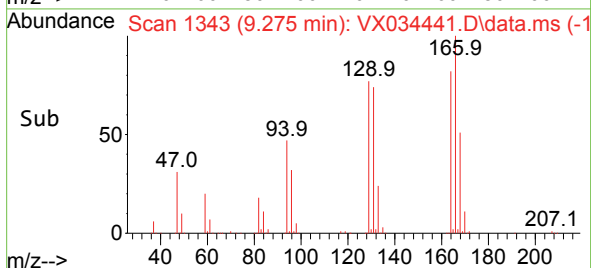
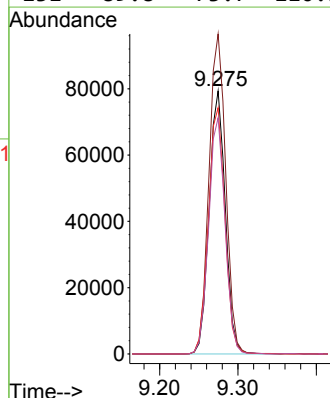
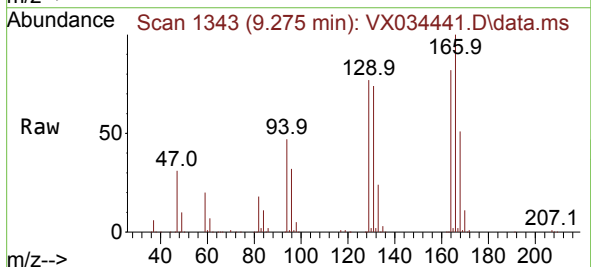
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230309

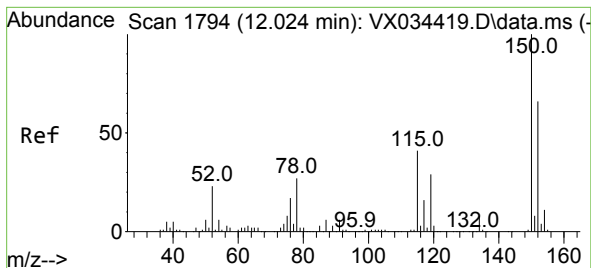
Tgt Ion:117 Resp: 413104
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 40.901 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034441.D
Acq: 13 Mar 2023 18:33

Tgt Ion:164 Resp: 113498
Ion Ratio Lower Upper
164 100
166 121.7 102.7 154.1
129 93.6 75.6 113.4
131 89.8 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: VX034441.D

Acq: 13 Mar 2023 18:33

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230309

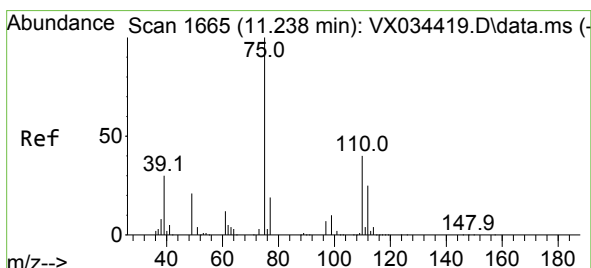
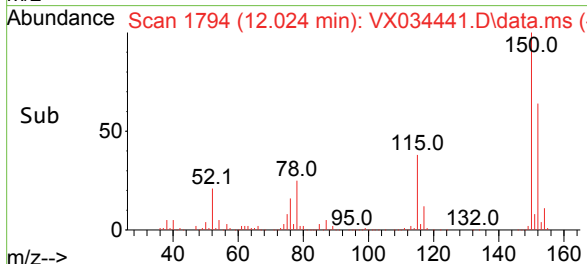
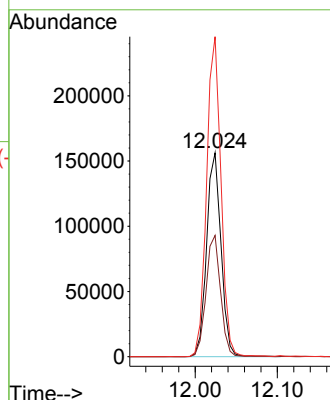
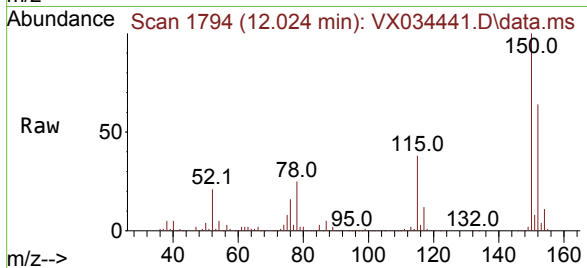
Tgt Ion:152 Resp: 190400

Ion Ratio Lower Upper

152 100

115 60.1 45.0 135.0

150 156.3 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 25.228 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034441.D

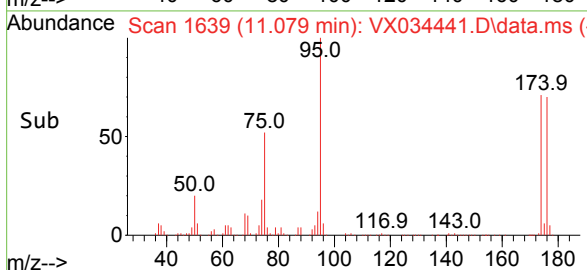
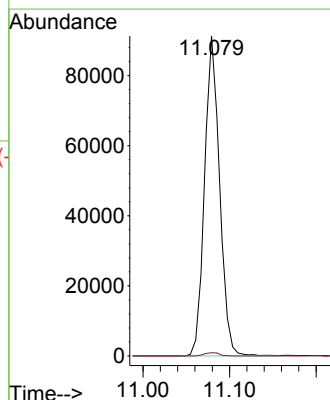
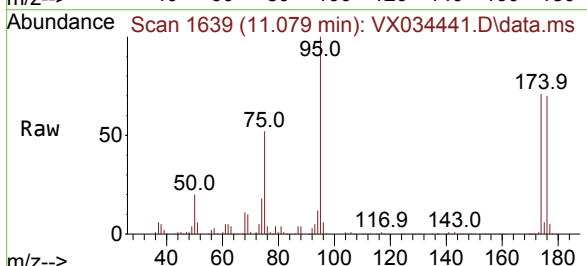
Acq: 13 Mar 2023 18:33

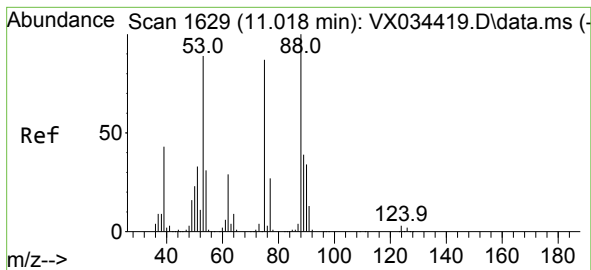
Tgt Ion: 75 Resp: 110290

Ion Ratio Lower Upper

75 100

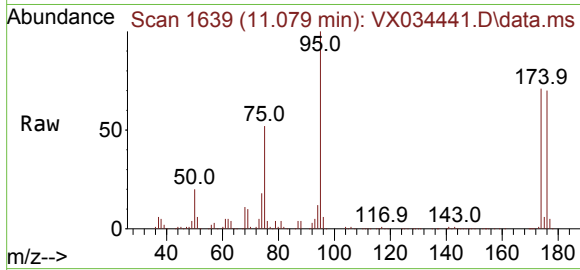
77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.248 ug/l
 RT: 11.079 min Scan# 110
 Delta R.T. 0.061 min
 Lab File: VX034441.D
 Acq: 13 Mar 2023 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20230309



Tgt Ion: 75 Resp: 110290
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

