

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034444.D
 Acq On : 13 Mar 2023 19:43
 Operator : JC/MD
 Sample : 01879-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20230308

Quant Time: Mar 14 02:29:55 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)

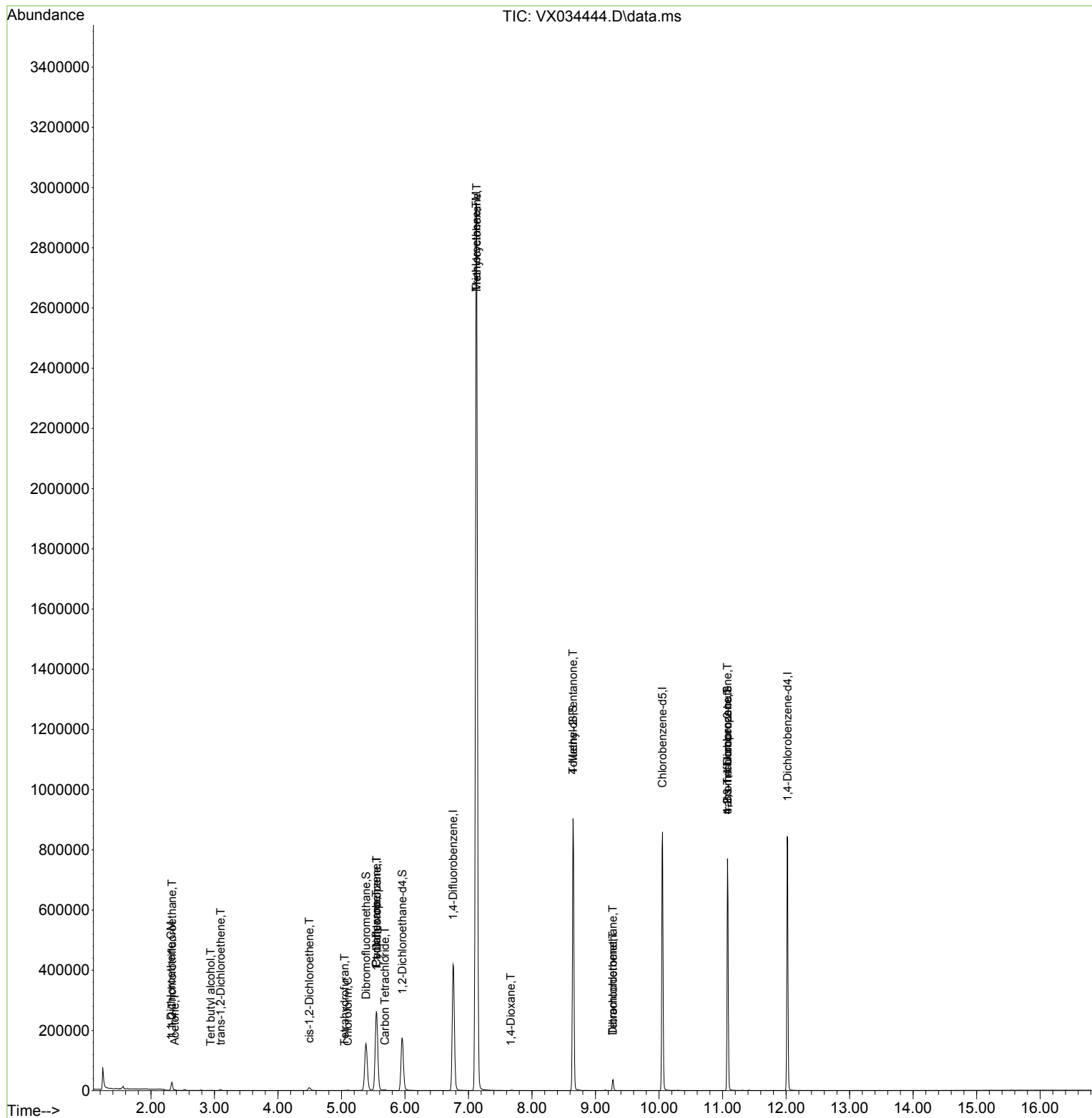
Internal Standards						
1) Pentafluorobenzene	5.550	168	253974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	432386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166255	44.997	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.000%
35) Dibromofluoromethane	5.385	113	135100	47.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.640%
50) Toluene-d8	8.647	98	521250	48.911	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.820%
62) 4-Bromofluorobenzene	11.079	95	196940	45.750	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%
Target Compounds						
3) Chloromethane	1.307	50	699	Below Cal	#	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	8805	3.119	ug/l	98
11) Tert butyl alcohol	2.941	59	324	0.421	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	1367	0.492	ug/l #	67
16) Acetone	2.374	43	1688	0.970	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	1209	0.409	ug/l	88
27) cis-1,2-Dichloroethene	4.495	96	5878	1.654	ug/l	90
29) Tetrahydrofuran	5.050	42	395	0.257	ug/l #	34
30) Chloroform	5.099	83	1726	0.305	ug/l	90
31) Cyclohexane	5.550	56	5591	1.079	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	20380	4.648	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1627	0.373	ug/l	96
39) Methylcyclohexane	7.129	83	13928	2.654	ug/l #	1
44) Trichloroethene	7.123	130	1119236	335.820	ug/l	100
49) 1,4-Dioxane	7.665	88	434	5.294	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	2798	0.594	ug/l #	1
60) Dibromochloromethane	9.275	129	5911	1.788	ug/l #	10
64) Tetrachloroethene	9.275	164	6322	2.456	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	103024	26.446	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	103024	71.544	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
Data File : VX034444.D
Acq On : 13 Mar 2023 19:43
Operator : JC/MD
Sample : 01879-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

Quant Time: Mar 14 02:29:55 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

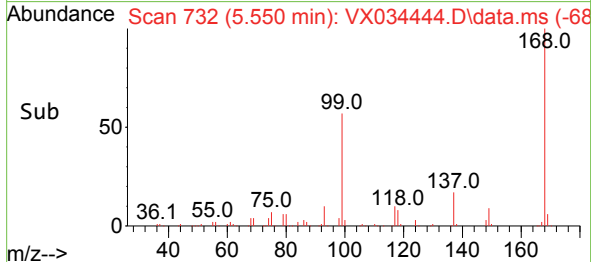
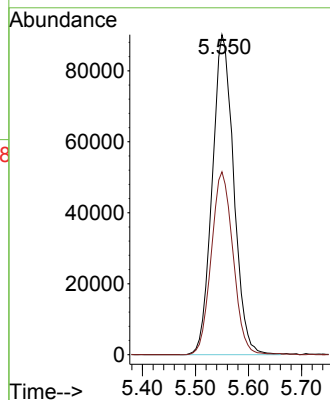
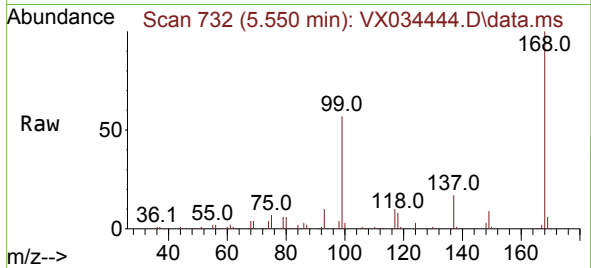




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

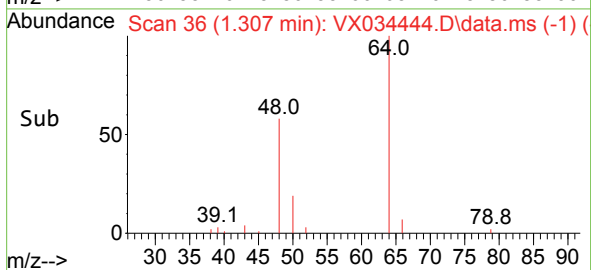
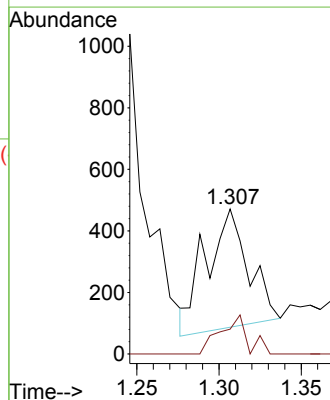
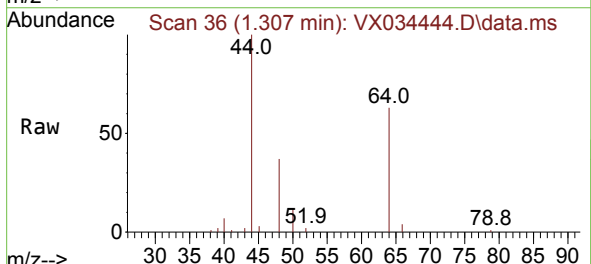
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

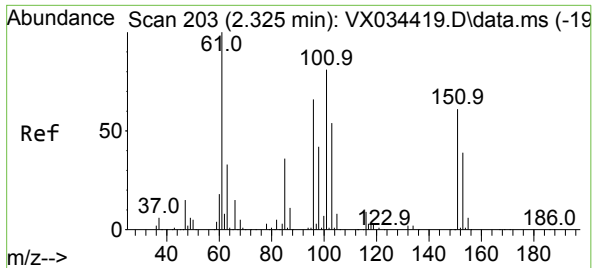
Tgt Ion:168 Resp: 253974
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 22.8 25.9 38.9#

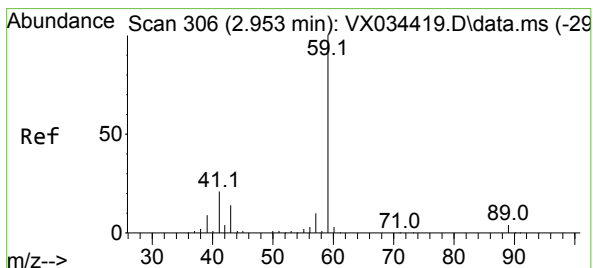
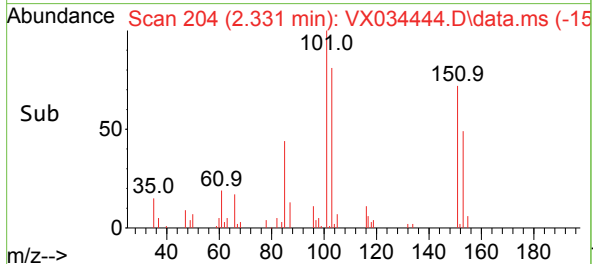
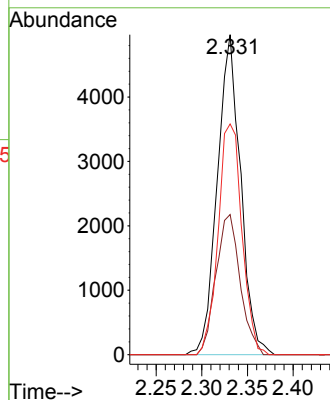
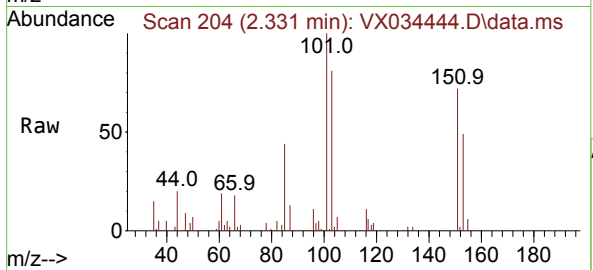




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.119 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

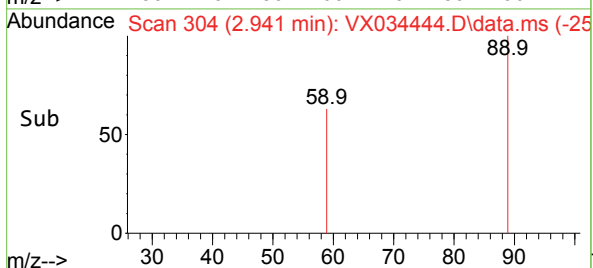
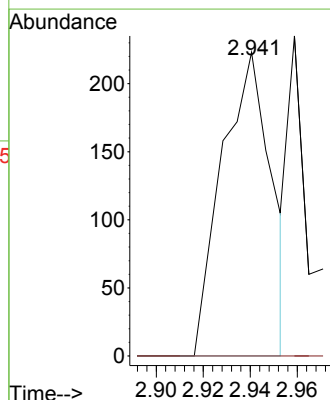
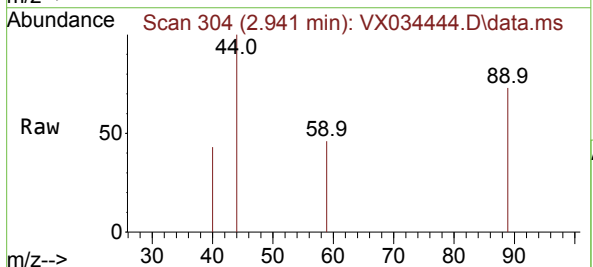
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

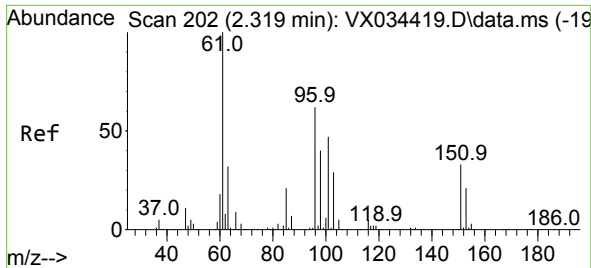
Tgt Ion:101 Resp: 8805
Ion Ratio Lower Upper
101 100
85 45.6 35.4 53.2
151 73.6 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.421 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.492 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308

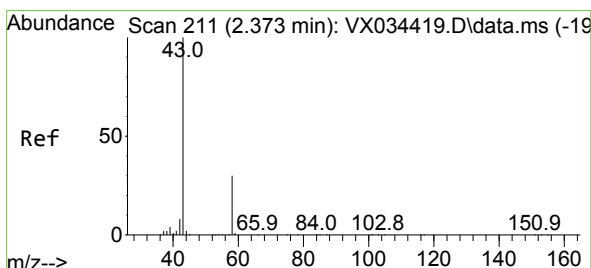
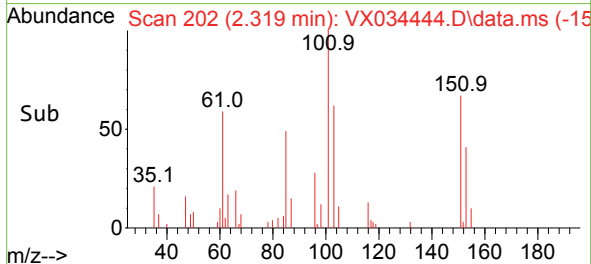
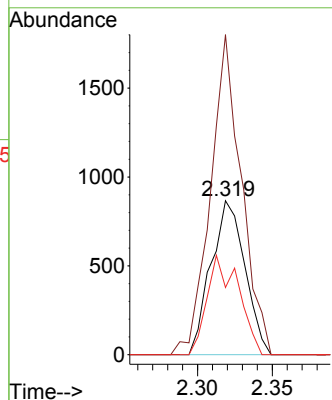
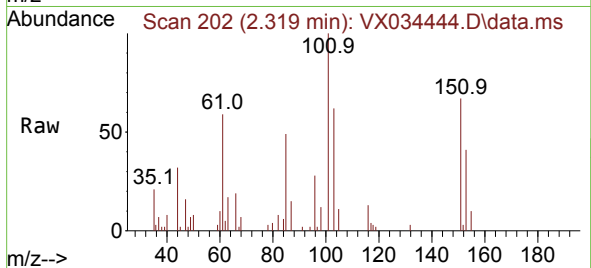
Tgt Ion: 96 Resp: 1367

Ion Ratio Lower Upper

96 100

61 208.0 128.8 193.2#

98 43.6 51.4 77.0#



#16

Acetone

Concen: 0.970 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034444.D

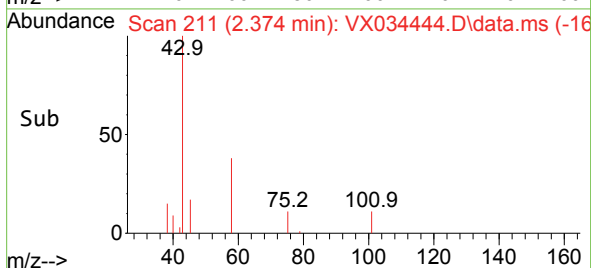
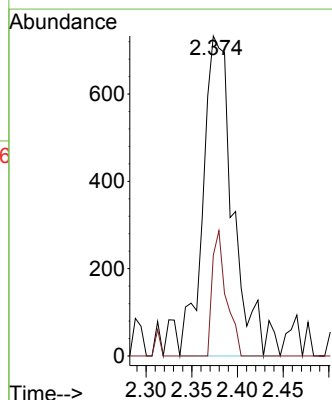
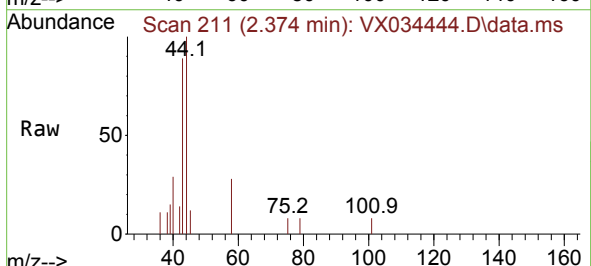
Acq: 13 Mar 2023 19:43

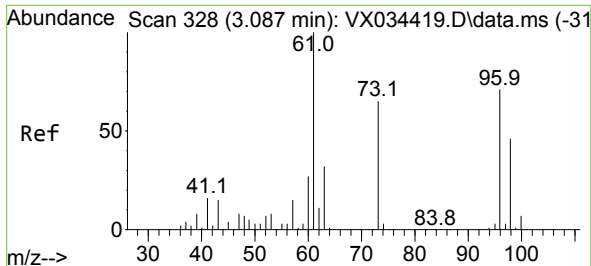
Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

58 31.5 24.7 37.1

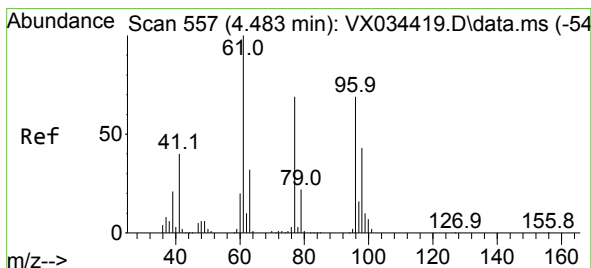
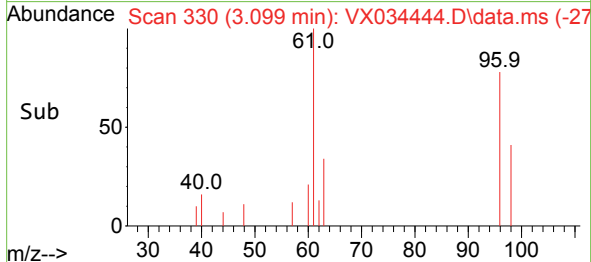
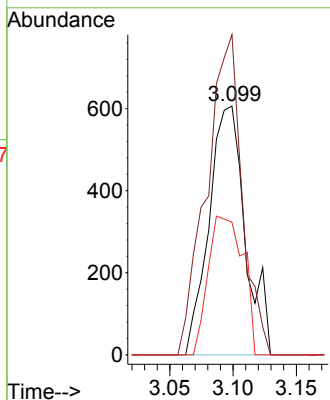
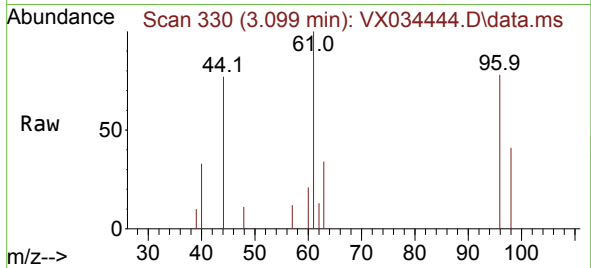




#21
trans-1,2-Dichloroethene
Concen: 0.409 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

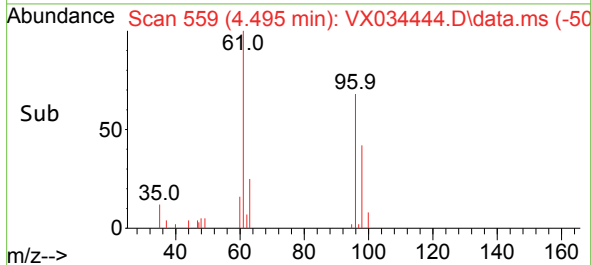
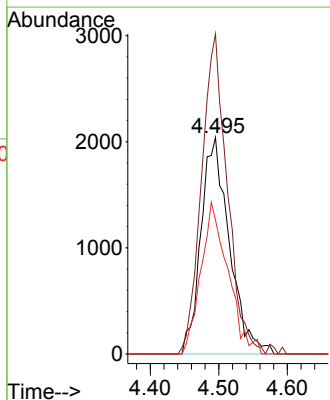
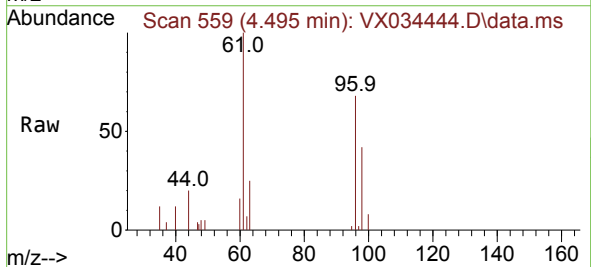
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

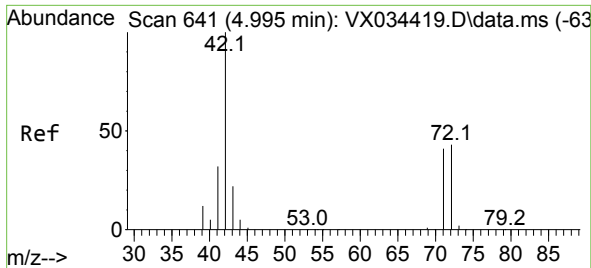
Tgt Ion: 96 Resp: 1209
Ion Ratio Lower Upper
96 100
61 128.7 113.0 169.6
98 53.3 52.1 78.1



#27
cis-1,2-Dichloroethene
Concen: 1.654 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 96 Resp: 5878
Ion Ratio Lower Upper
96 100
61 133.9 0.0 300.4
98 67.0 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308

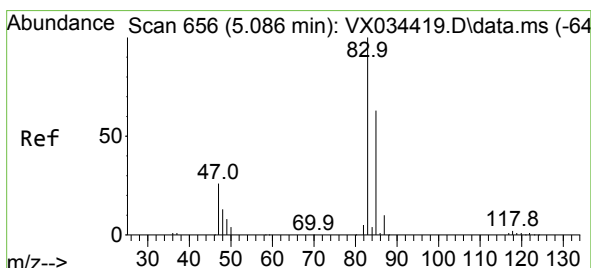
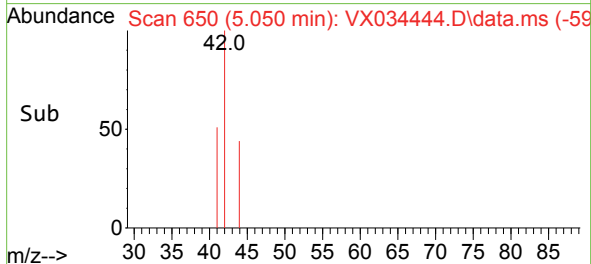
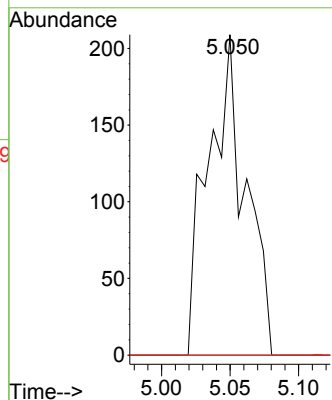
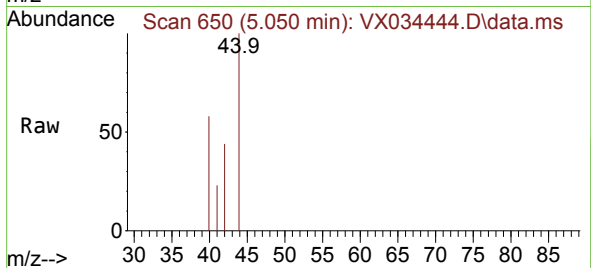
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.1 48.1#



#30

Chloroform

Concen: 0.305 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX034444.D

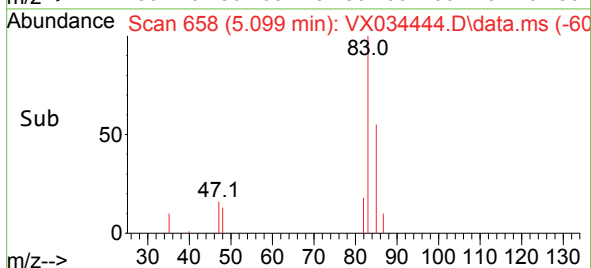
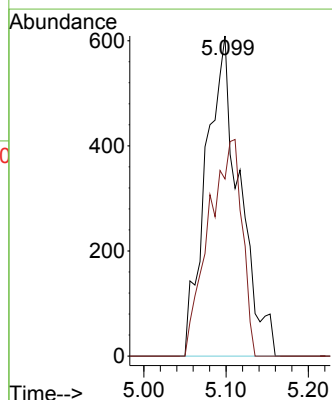
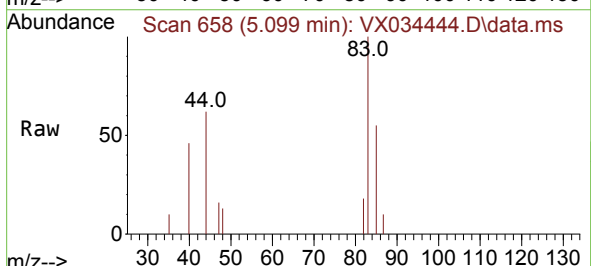
Acq: 13 Mar 2023 19:43

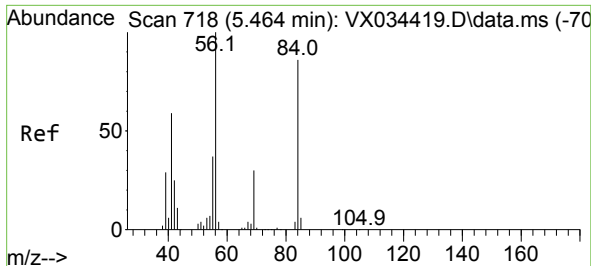
Tgt Ion: 83 Resp: 1726

Ion Ratio Lower Upper

83 100

85 55.3 50.6 76.0

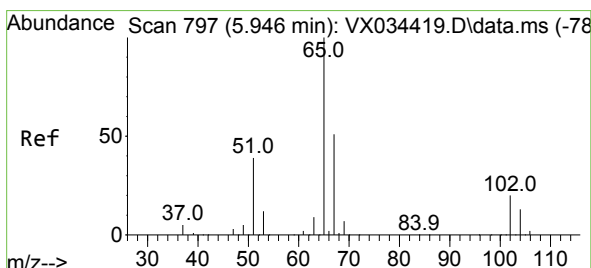
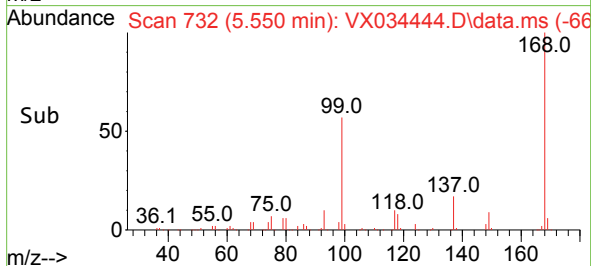
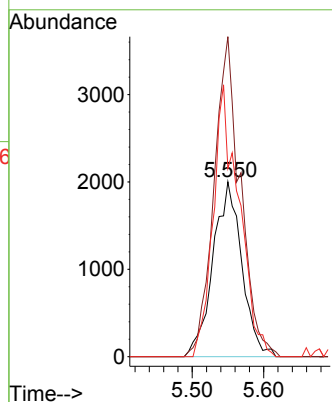
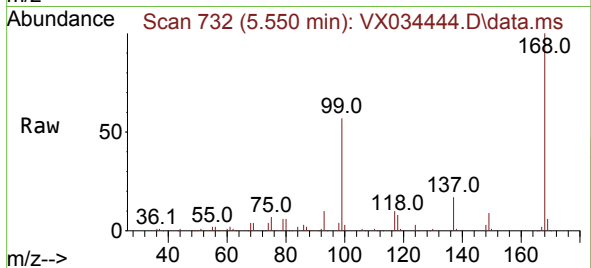




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

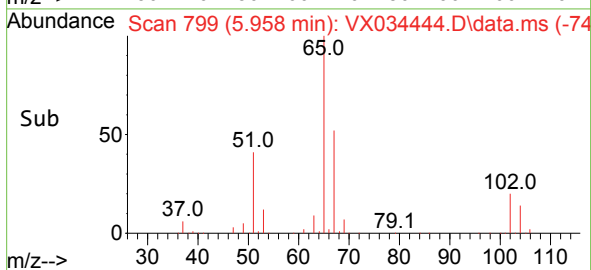
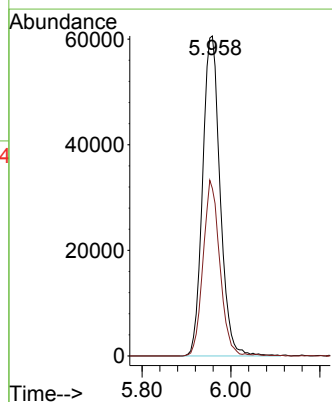
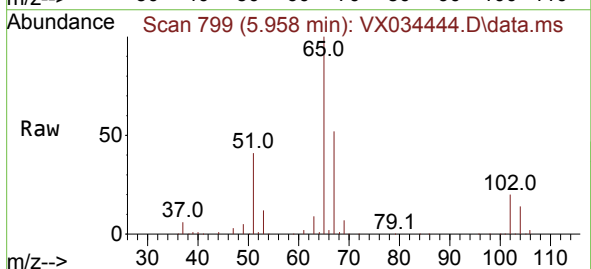
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

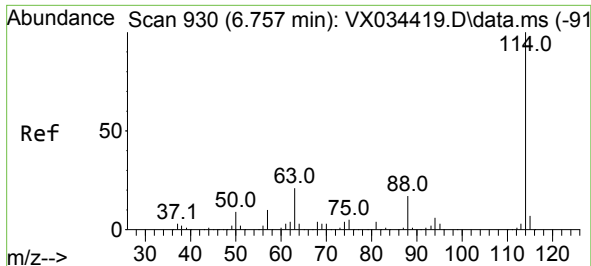
Tgt Ion: 56 Resp: 5591
Ion Ratio Lower Upper
56 100
69 183.1 23.7 35.5#
84 107.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 44.997 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 65 Resp: 166255
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

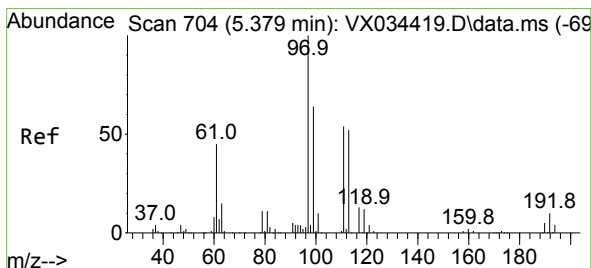
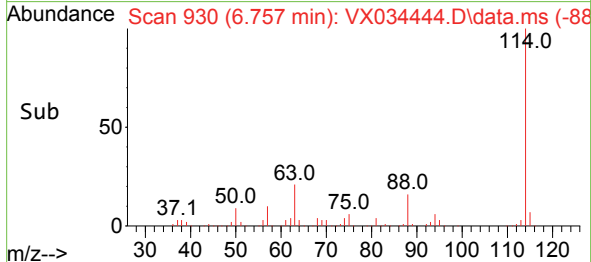
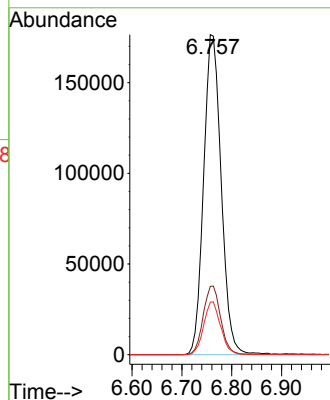
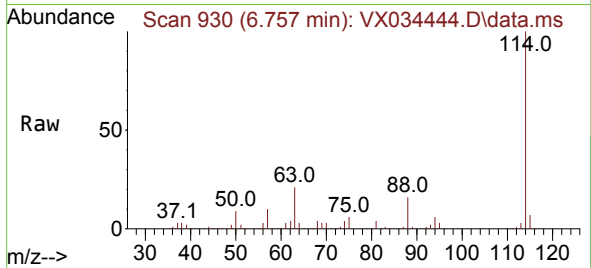




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

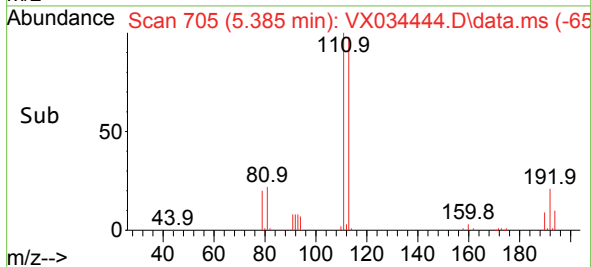
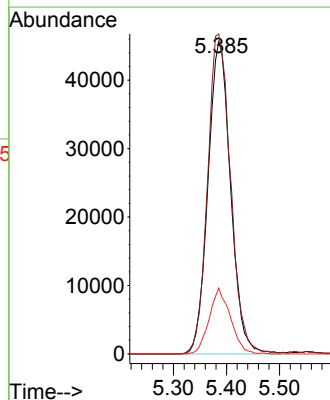
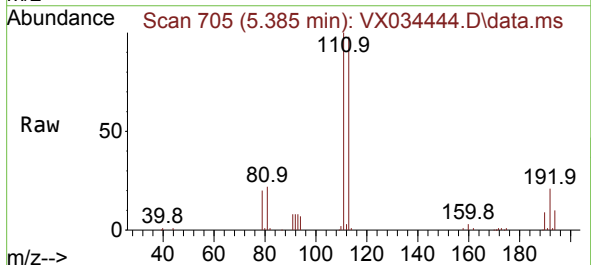
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

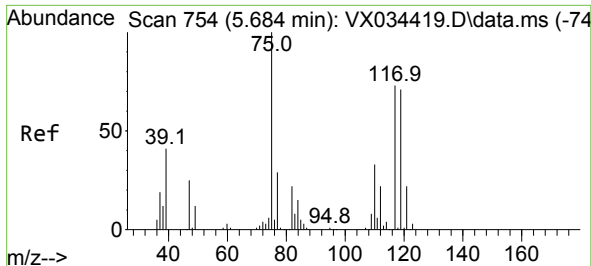
Tgt Ion:114 Resp: 432386
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.324 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion:113 Resp: 135100
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 19.8 15.4 23.2

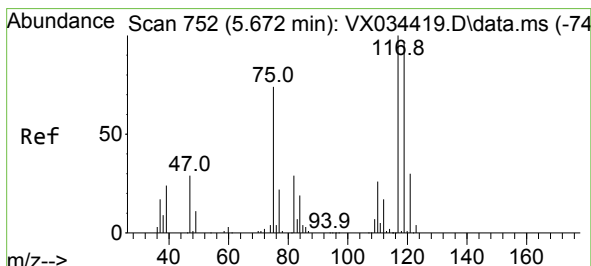
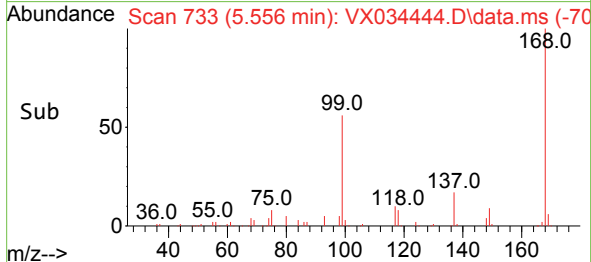
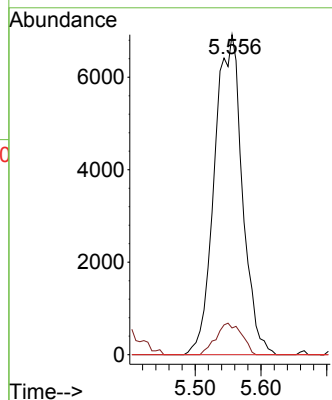
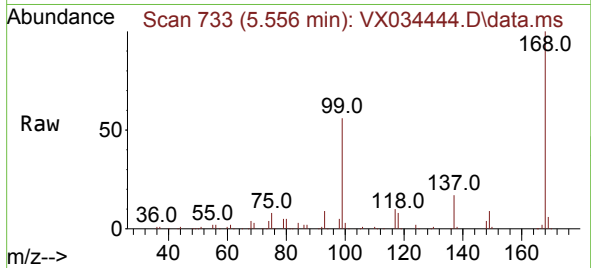




#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

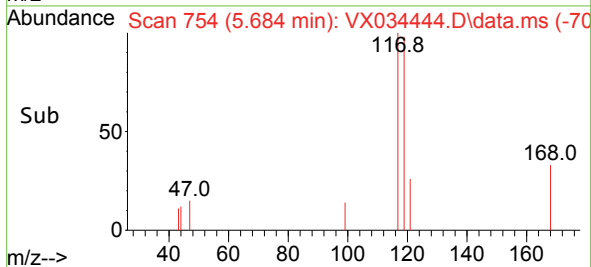
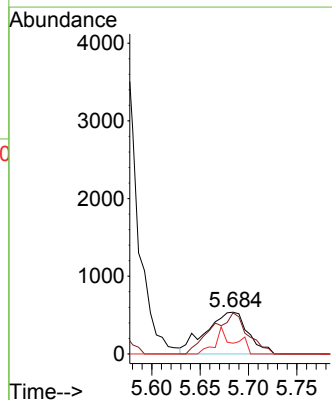
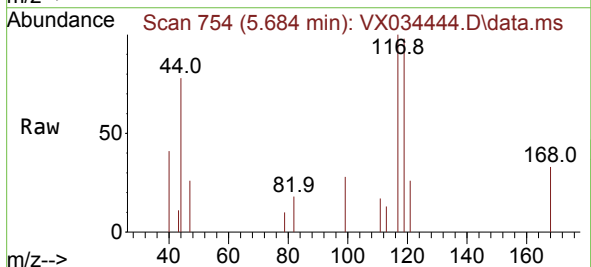
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

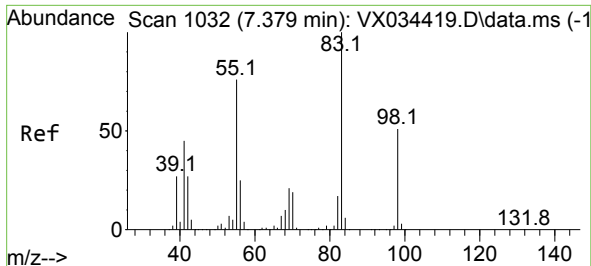
Tgt Ion: 75 Resp: 20380
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.373 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 117 Resp: 1627
Ion Ratio Lower Upper
117 100
119 98.3 76.6 114.8
121 25.7 23.8 35.6





#39

Methylcyclohexane

Concen: 2.654 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308

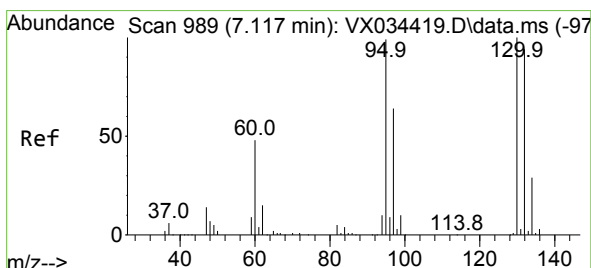
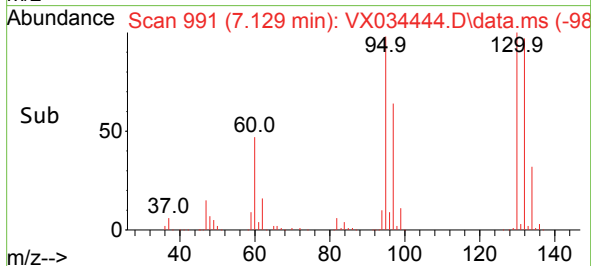
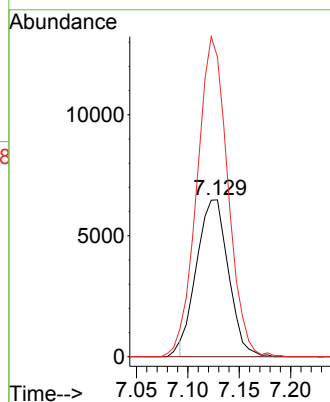
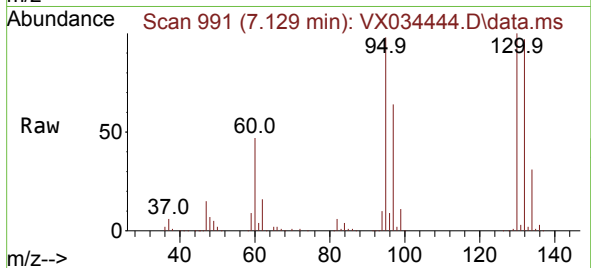
Tgt Ion: 83 Resp: 13928

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 190.2 40.4 60.6#



#44

Trichloroethene

Concen: 335.820 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034444.D

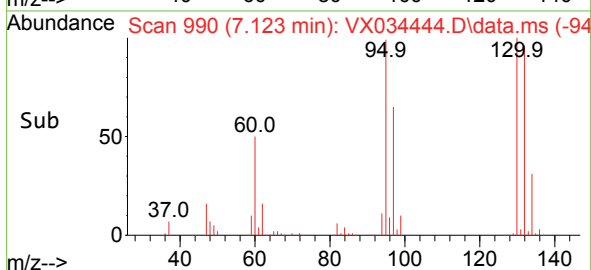
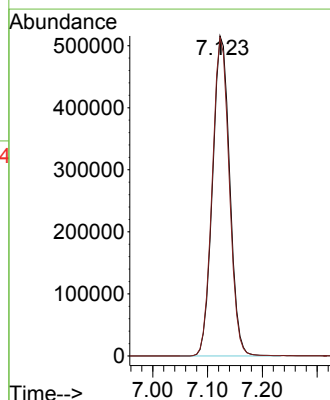
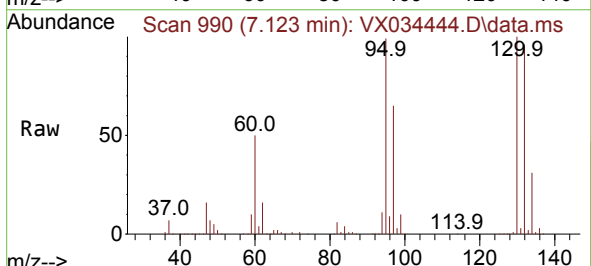
Acq: 13 Mar 2023 19:43

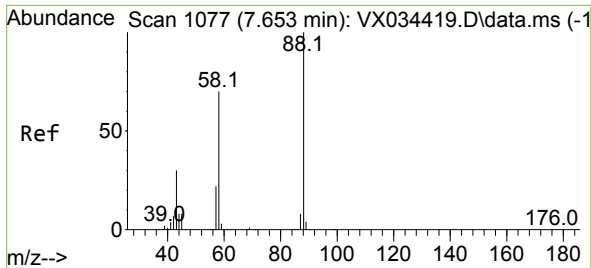
Tgt Ion:130 Resp: 1119236

Ion Ratio Lower Upper

130 100

95 99.5 0.0 198.4

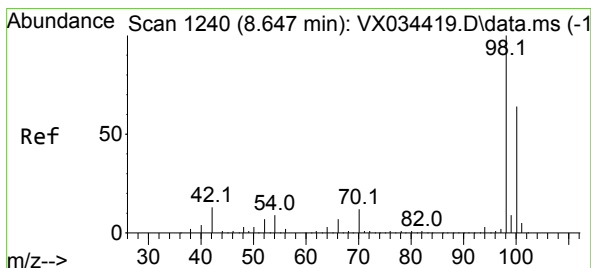
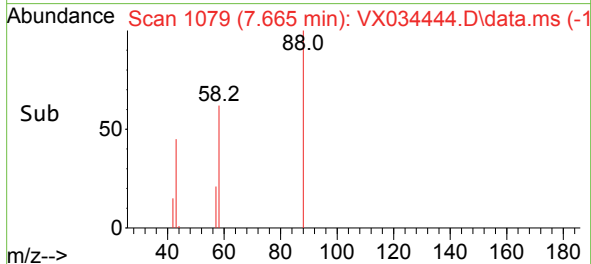
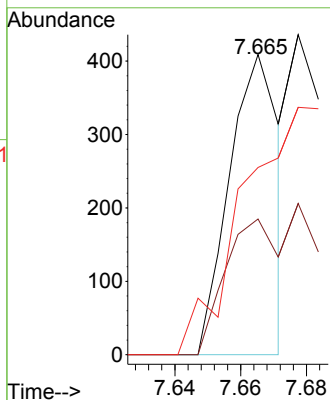
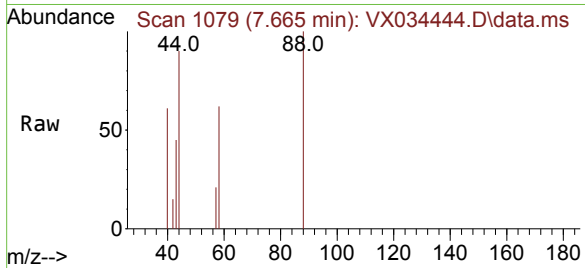




#49
1,4-Dioxane
Concen: 5.294 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

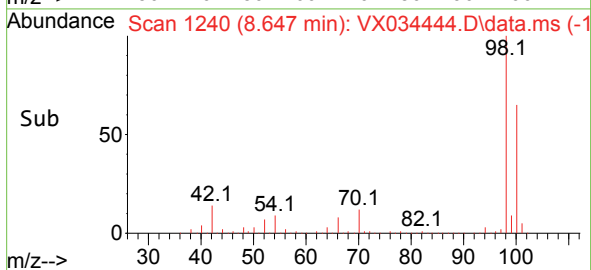
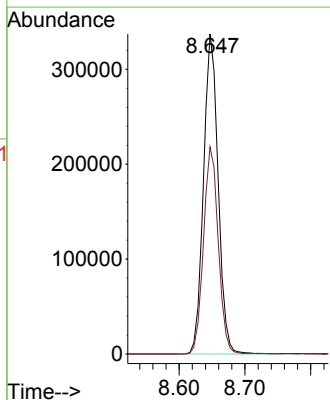
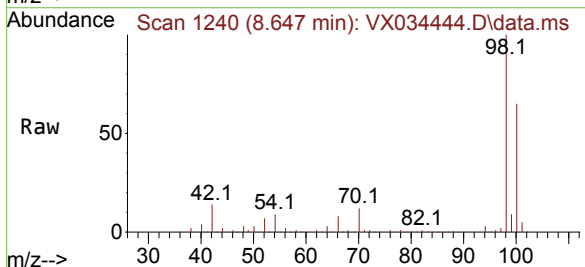
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

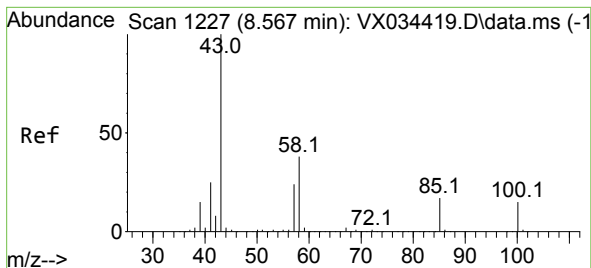
Tgt Ion: 88 Resp: 434
Ion Ratio Lower Upper
88 100
43 48.2 27.7 41.5#
58 163.1 56.8 85.2#



#50
Toluene-d8
Concen: 48.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 98 Resp: 521250
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

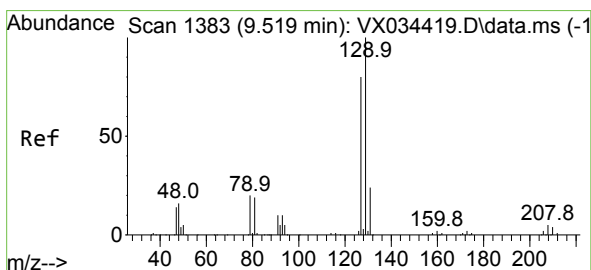
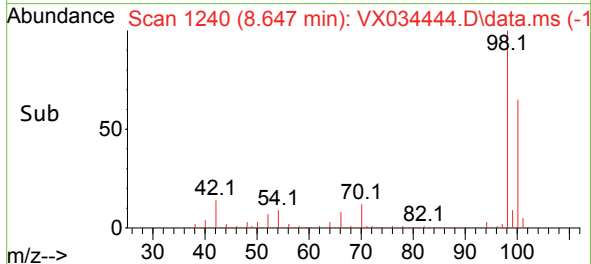
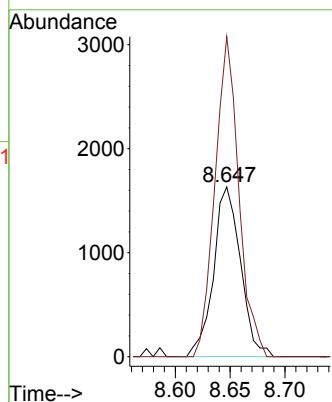
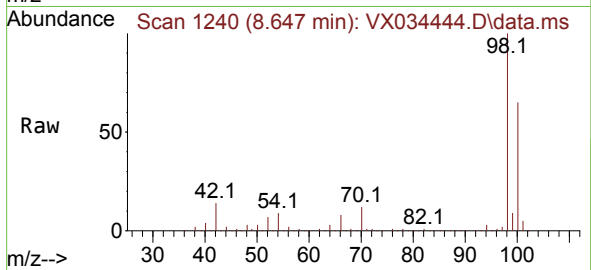




#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

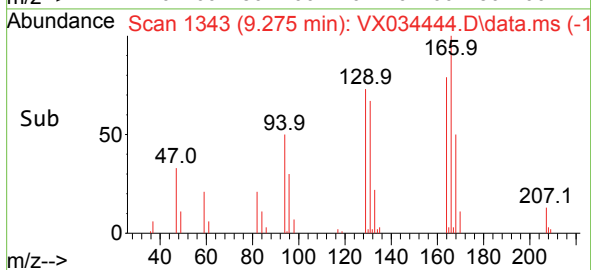
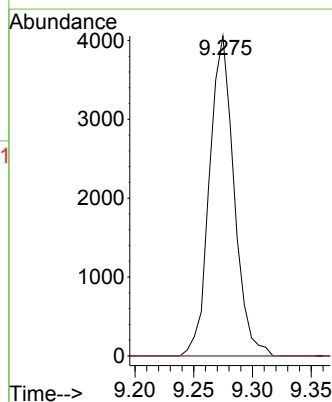
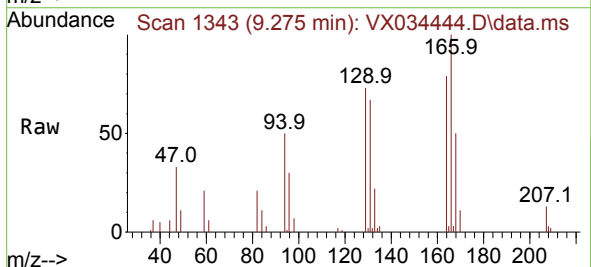
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

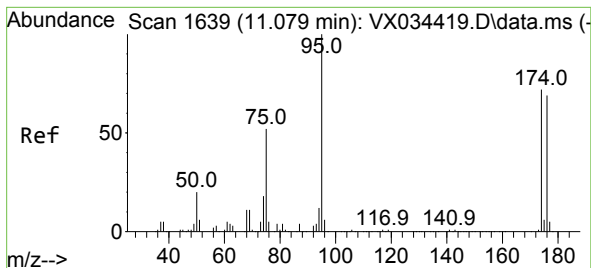
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 166.5 30.6 46.0#



#60
Dibromochloromethane
Concen: 1.788 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 129 Resp: 5911
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

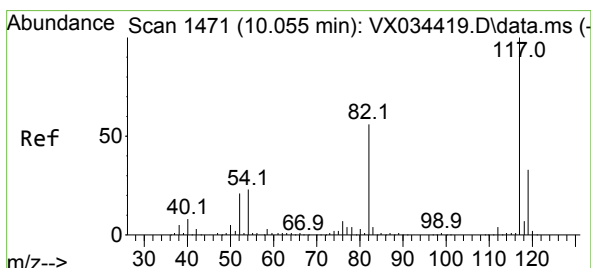
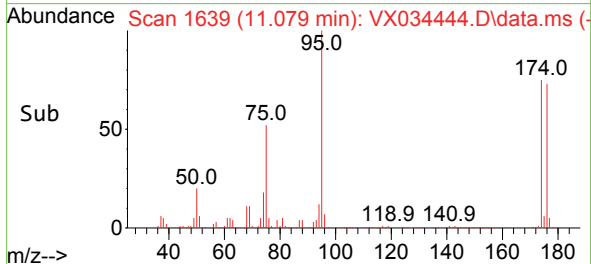
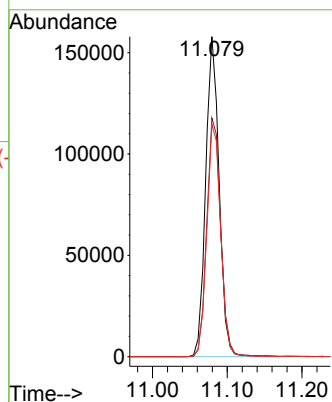
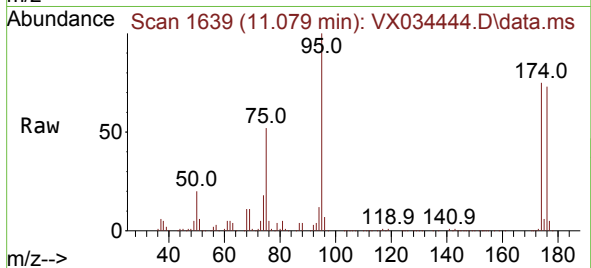




#62
4-Bromofluorobenzene
Concen: 45.750 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

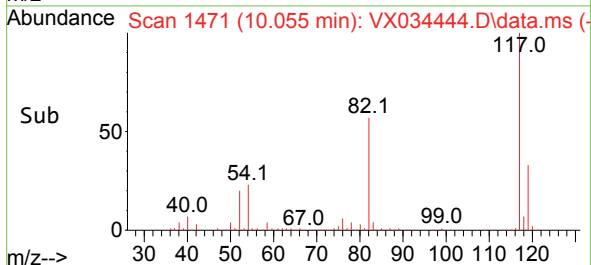
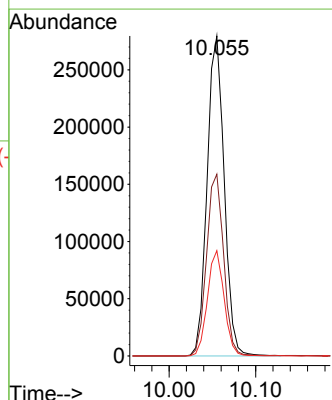
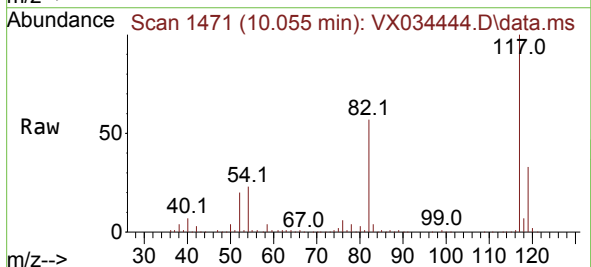
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20230308

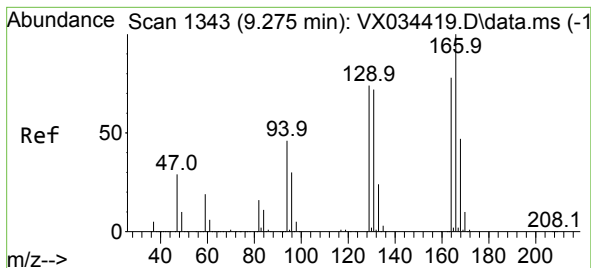
Tgt Ion: 95 Resp: 196940
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.4
176 74.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034444.D
Acq: 13 Mar 2023 19:43

Tgt Ion: 117 Resp: 383276
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 32.9 26.0 39.0





#64

Tetrachloroethene

Concen: 2.456 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034444.D

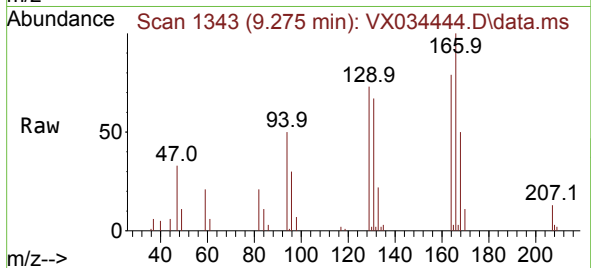
Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20230308



Tgt Ion:164 Resp: 6322

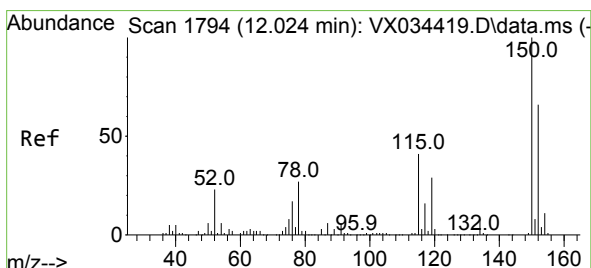
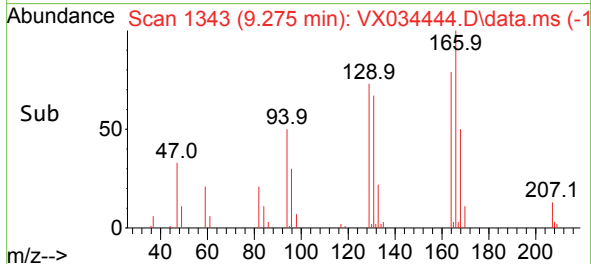
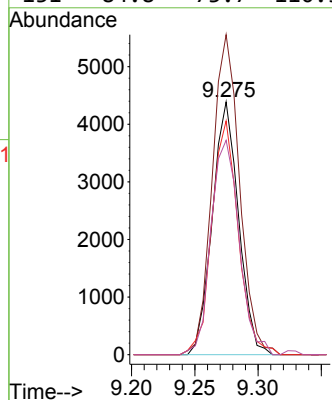
Ion Ratio Lower Upper

164 100

166 126.5 102.7 154.1

129 92.4 75.6 113.4

131 84.8 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: VX034444.D

Acq: 13 Mar 2023 19:43

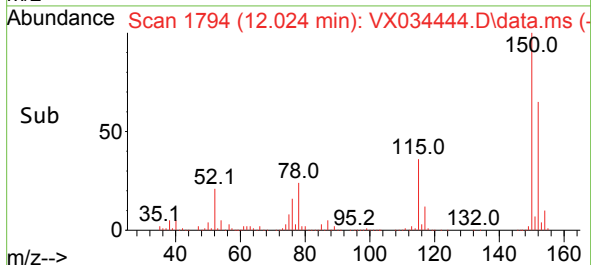
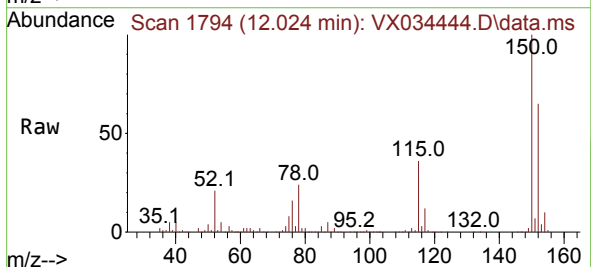
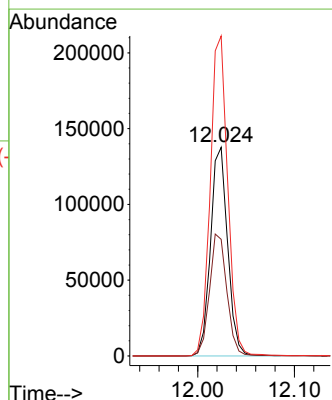
Tgt Ion:152 Resp: 169663

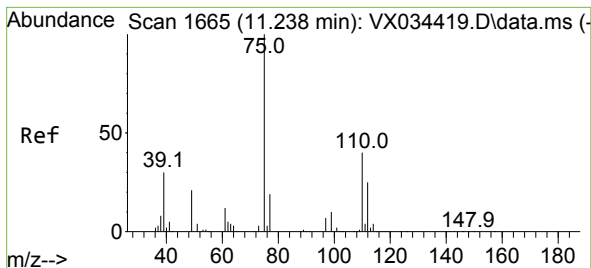
Ion Ratio Lower Upper

152 100

115 59.5 45.0 135.0

150 156.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.446 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Instrument :

MSVOA_X

ClientSampleId :

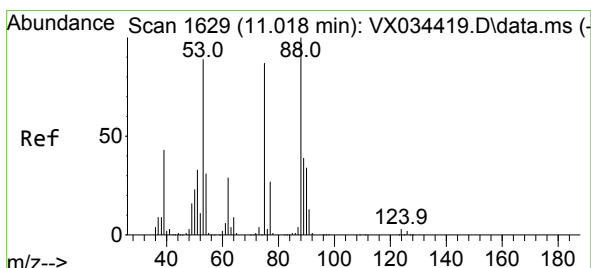
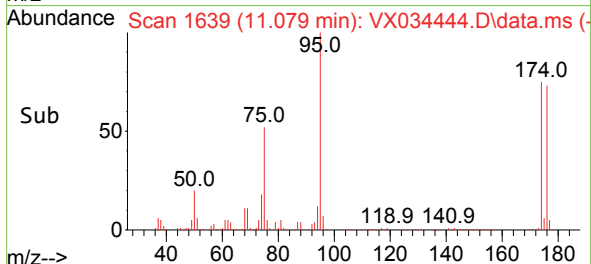
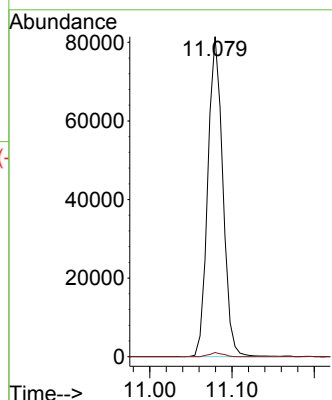
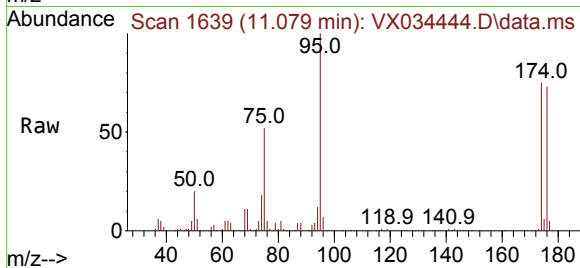
RE122D1-20230308

Tgt Ion: 75 Resp: 103024

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034444.D

Acq: 13 Mar 2023 19:43

Tgt Ion: 75 Resp: 103024

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

