

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034549.D
 Acq On : 16 Mar 2023 16:35
 Operator : JC/MD
 Sample : 01903-16DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

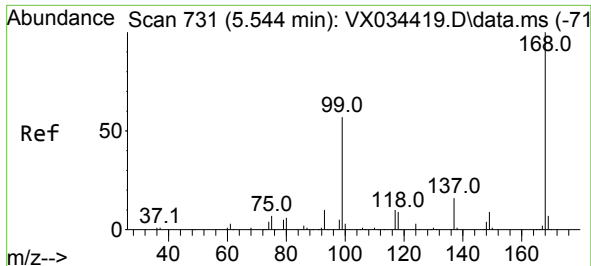
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230312DL

Quant Time: Mar 17 06:27:35 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	241795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	405725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165514	47.053	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.100%
35) Dibromofluoromethane	5.385	113	127561	47.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.647	98	493035	49.303	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.600%
62) 4-Bromofluorobenzene	11.079	95	216446	53.585	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	475	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	3960	1.473	ug/l	97
11) Tert butyl alcohol	2.941	59	4201	5.735	ug/l #	74
16) Acetone	2.380	43	1060	0.640	ug/l	91
18) Methyl Acetate	2.697	43	1401	0.259	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	2327	0.246	ug/l	98
20) Methylene Chloride	2.794	84	1364	0.424	ug/l #	72
27) cis-1,2-Dichloroethene	4.495	96	2740	0.810	ug/l	82
30) Chloroform	5.105	83	1268	0.235	ug/l #	69
31) Cyclohexane	5.550	56	6208	1.258	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	19909	4.839	ug/l #	50
38) Carbon Tetrachloride	5.550	117	24452	5.974	ug/l #	16
39) Methylcyclohexane	7.129	83	1630	0.331	ug/l #	1
44) Trichloroethene	7.129	130	142023	45.413	ug/l	97
49) 1,4-Dioxane	7.671	88	529	6.877	ug/l #	80
60) Dibromochloromethane	9.275	129	7991	2.576	ug/l #	10
64) Tetrachloroethene	9.275	164	8558	3.597	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	118466	31.319	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	118466	84.728	ug/l #	8

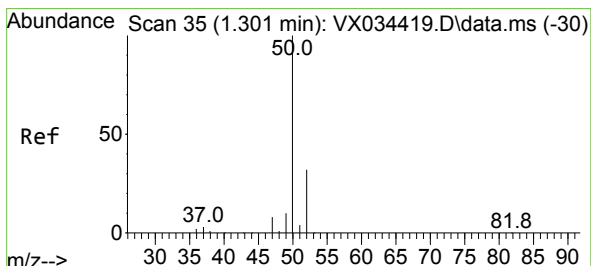
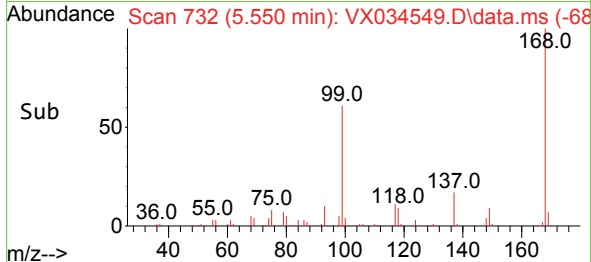
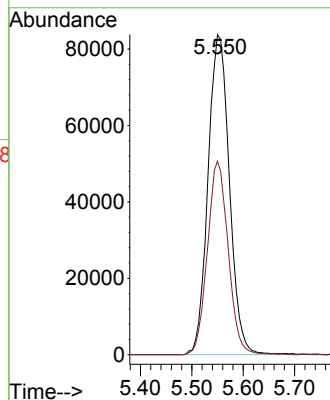
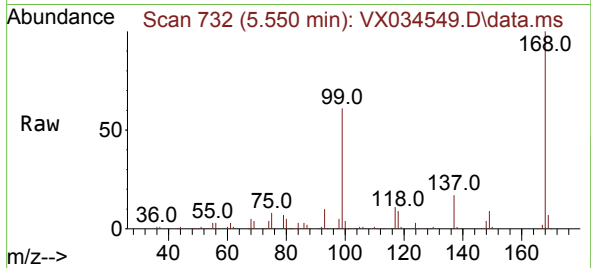
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

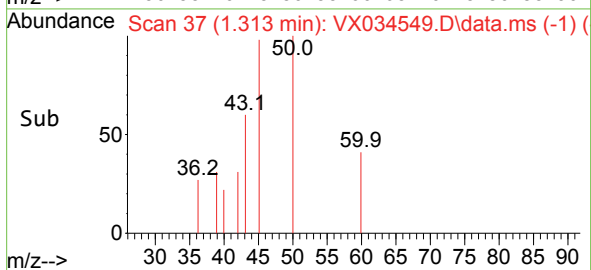
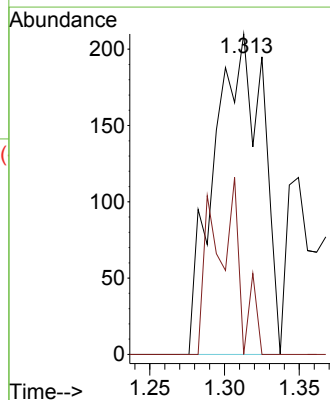
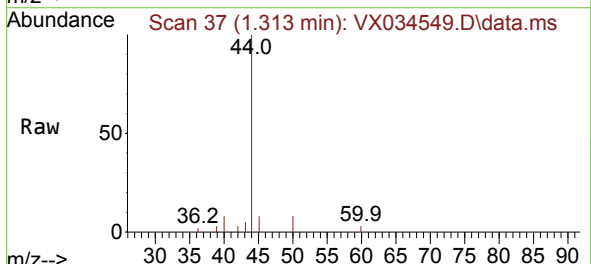
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

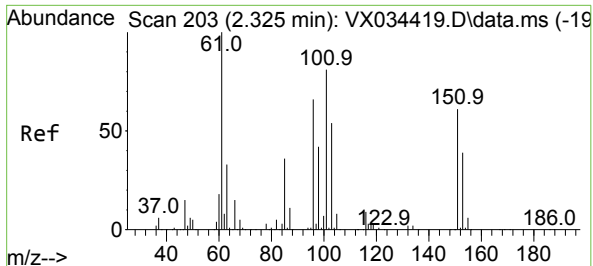
Tgt Ion:168 Resp: 241795
Ion Ratio Lower Upper
168 100
99 60.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

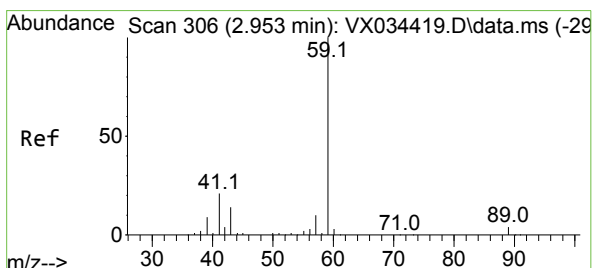
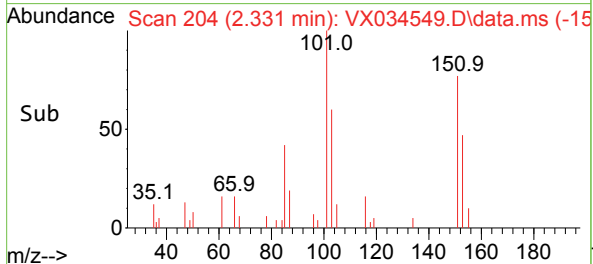
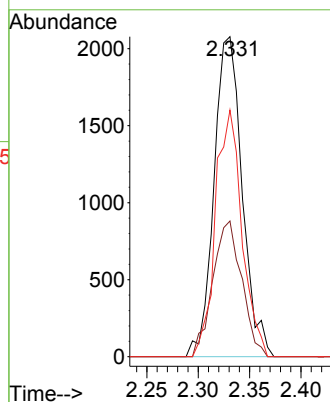
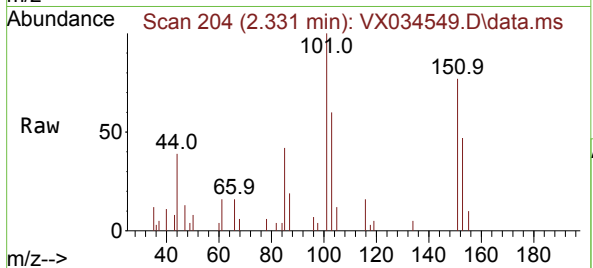




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.473 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

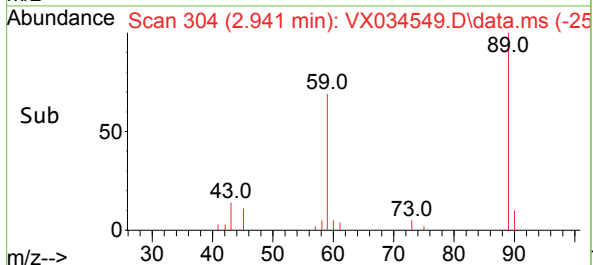
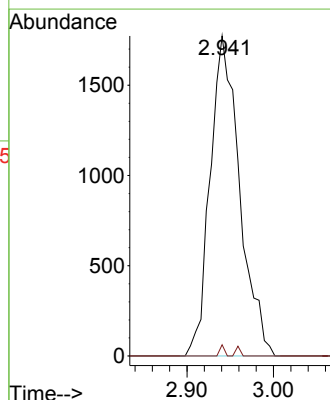
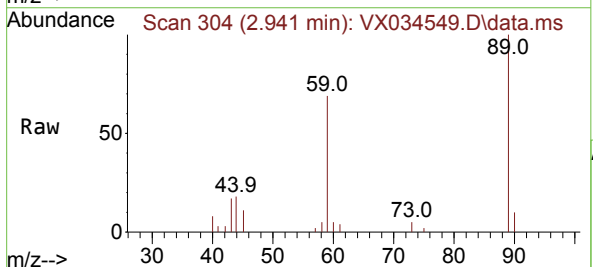
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

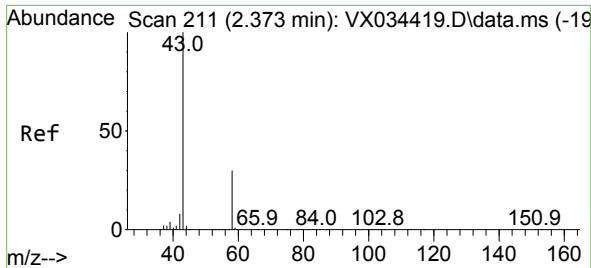
Tgt Ion:101 Resp: 3960
Ion Ratio Lower Upper
101 100
85 43.6 35.4 53.2
151 72.4 60.2 90.4



#11
Tert butyl alcohol
Concen: 5.735 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 59 Resp: 4201
Ion Ratio Lower Upper
59 100
57 0.5 8.1 12.1#

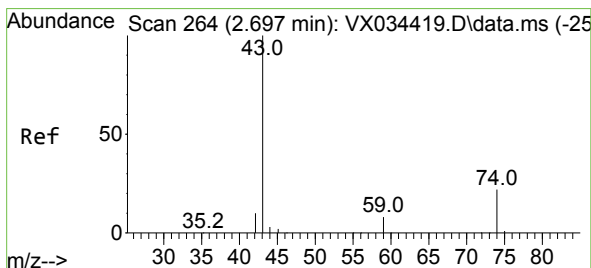
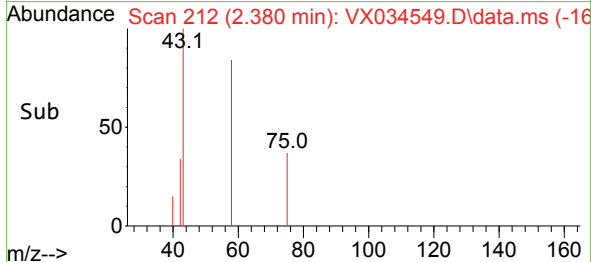
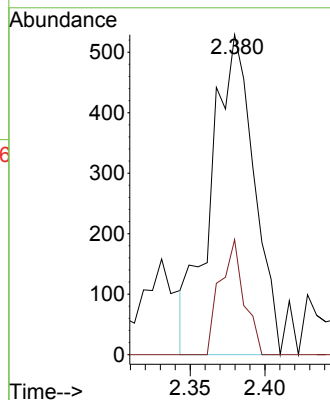
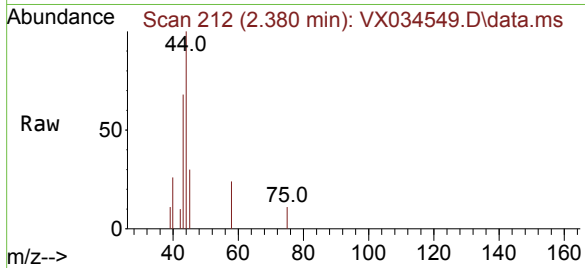




#16
Acetone
Concen: 0.640 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

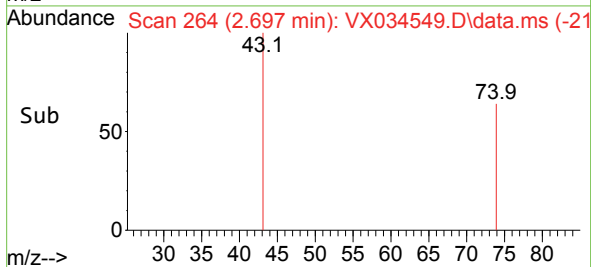
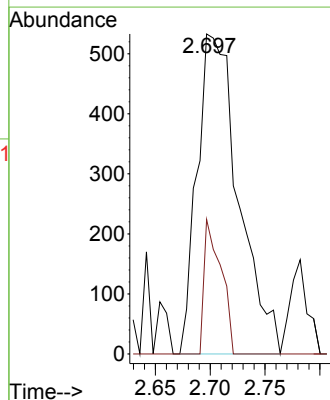
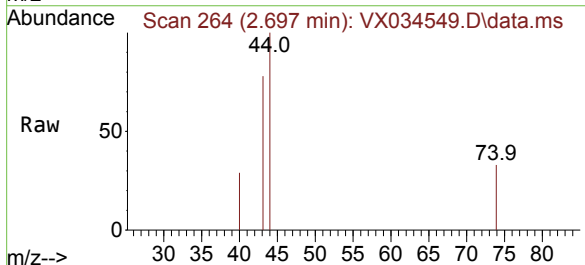
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

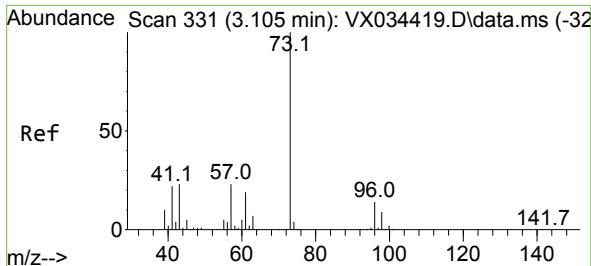
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
58 35.9 24.7 37.1



#18
Methyl Acetate
Concen: 0.259 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
74 17.2 18.3 27.5#

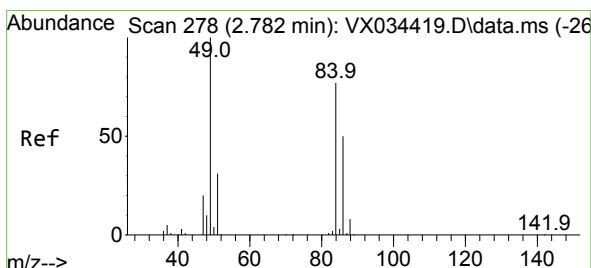
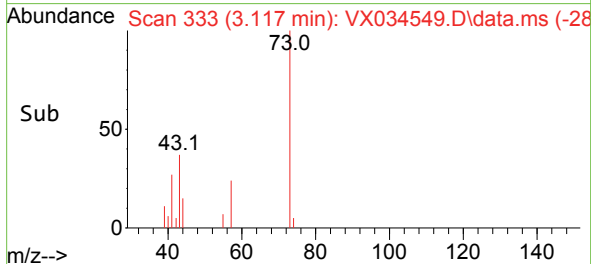
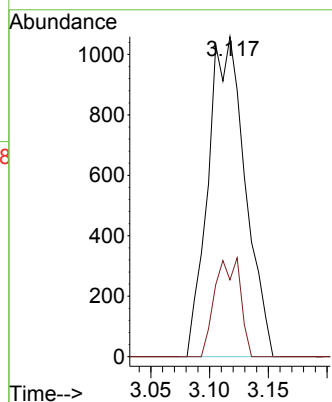
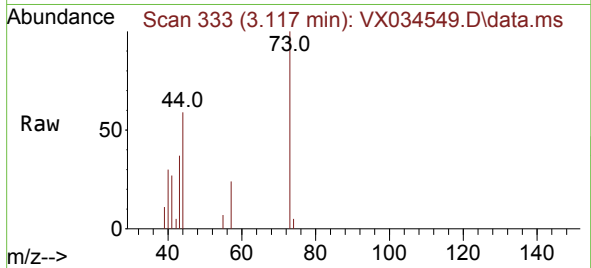




#19
Methyl tert-butyl Ether
Concen: 0.246 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

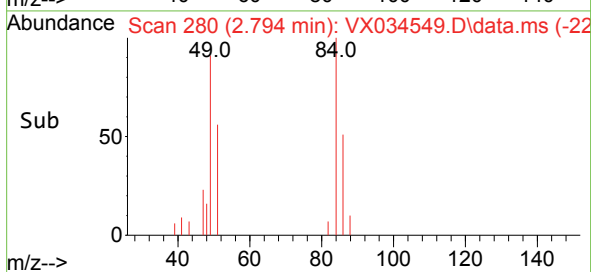
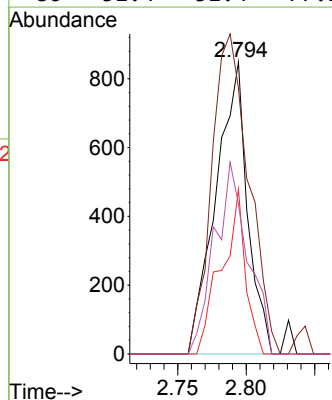
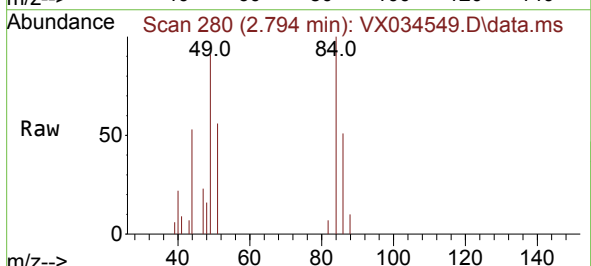
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

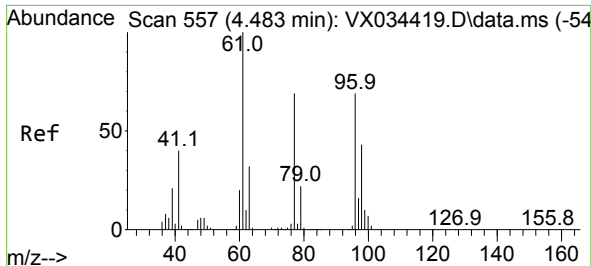
Tgt Ion: 73 Resp: 2327
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7



#20
Methylene Chloride
Concen: 0.424 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 84 Resp: 1364
Ion Ratio Lower Upper
84 100
49 91.2 103.8 155.8#
51 56.4 31.8 47.8#
86 51.4 51.4 77.2#





#27

cis-1,2-Dichloroethene

Concen: 0.810 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034549.D

Acq: 16 Mar 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312DL

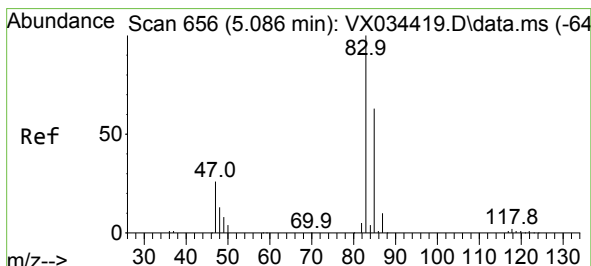
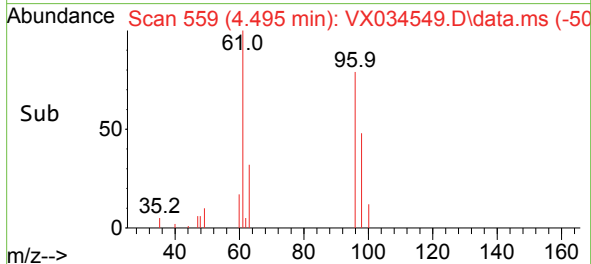
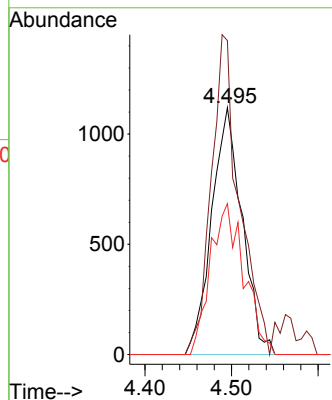
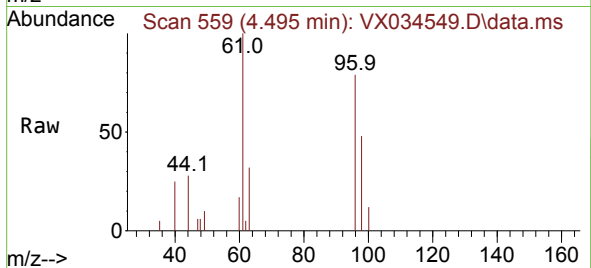
Tgt Ion: 96 Resp: 2740

Ion Ratio Lower Upper

96 100

61 119.5 0.0 300.4

98 67.6 0.0 129.0



#30

Chloroform

Concen: 0.235 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.018 min

Lab File: VX034549.D

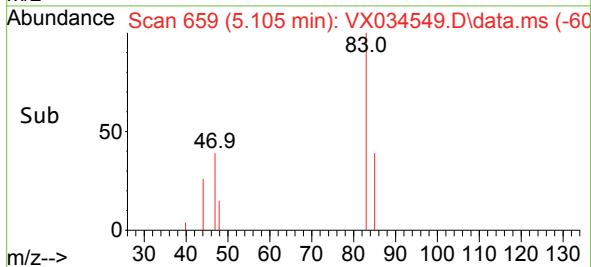
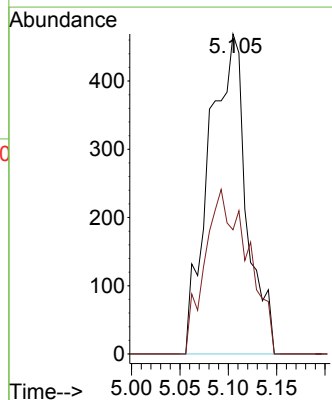
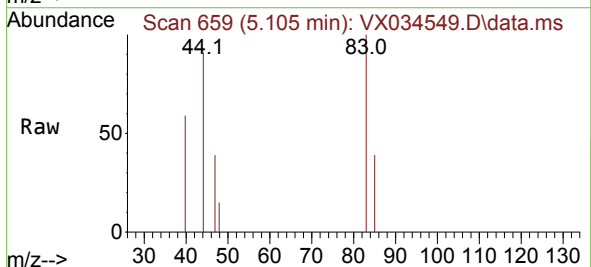
Acq: 16 Mar 2023 16:35

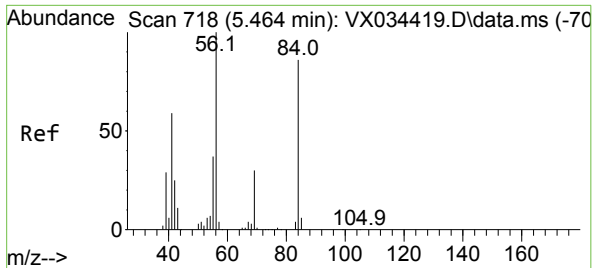
Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

83 100

85 38.8 50.6 76.0#

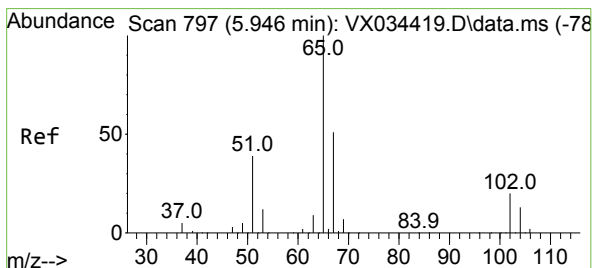
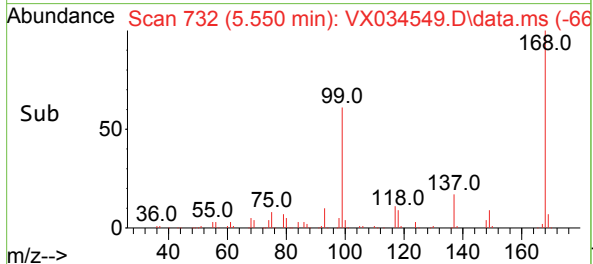
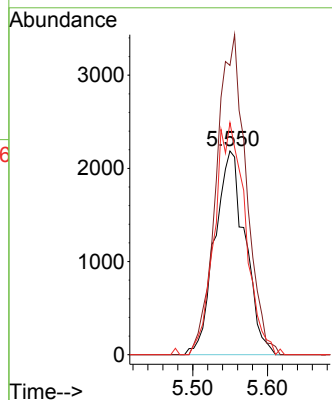
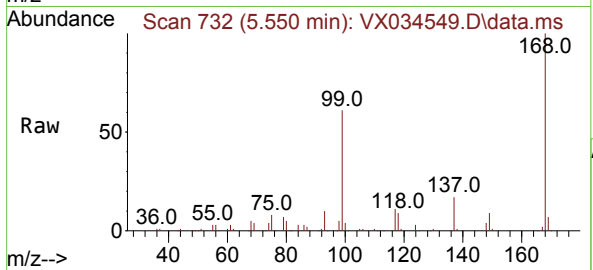




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

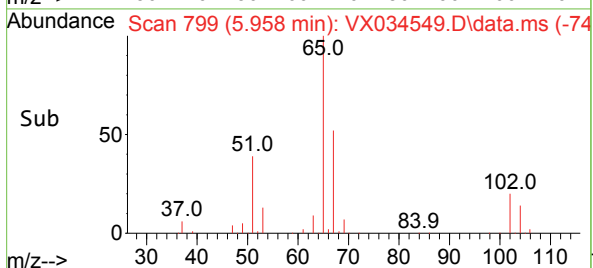
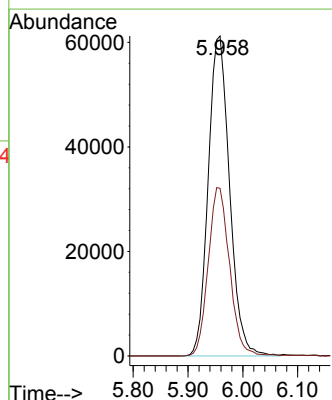
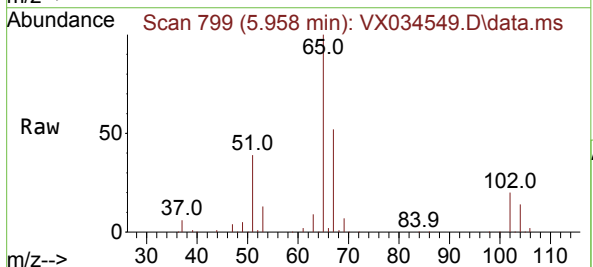
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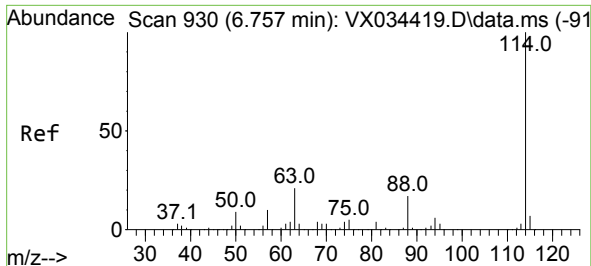
Tgt Ion: 56 Resp: 6208
Ion Ratio Lower Upper
56 100
69 142.0 23.7 35.5#
84 113.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.053 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 65 Resp: 165514
Ion Ratio Lower Upper
65 100
67 52.7 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: VX034549.D

Acq: 16 Mar 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312DL

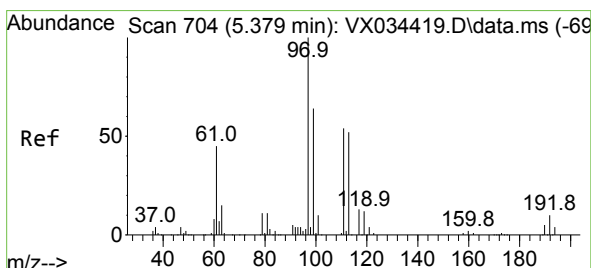
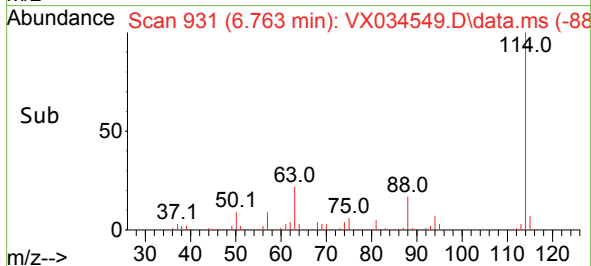
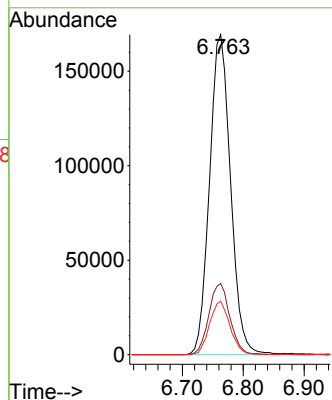
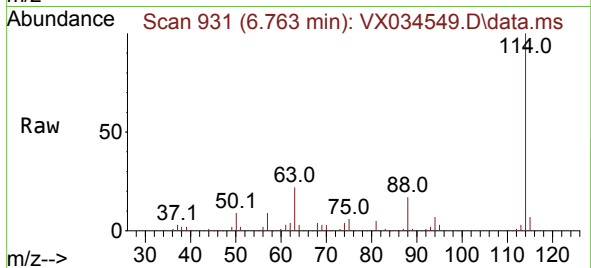
Tgt Ion:114 Resp: 405725

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.2

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.619 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034549.D

Acq: 16 Mar 2023 16:35

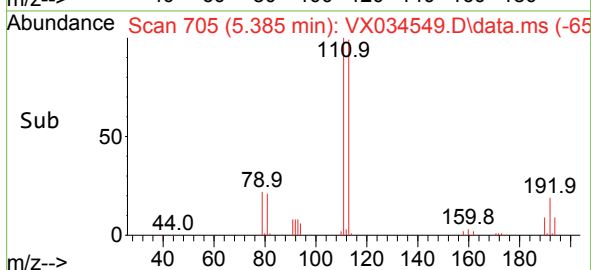
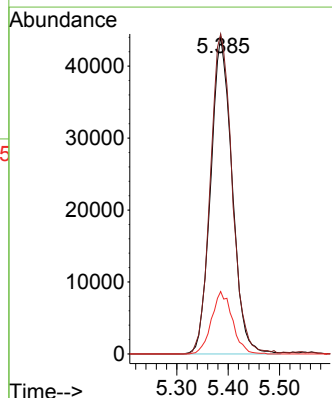
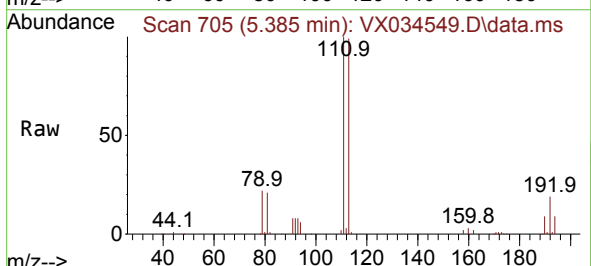
Tgt Ion:113 Resp: 127561

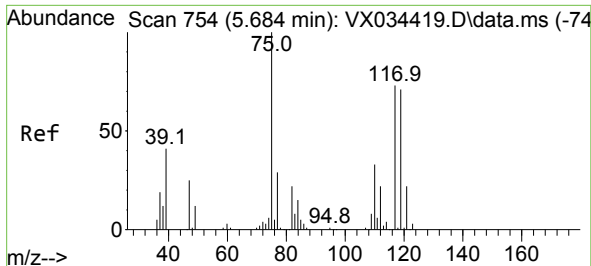
Ion Ratio Lower Upper

113 100

111 102.9 83.7 125.5

192 19.2 15.4 23.2

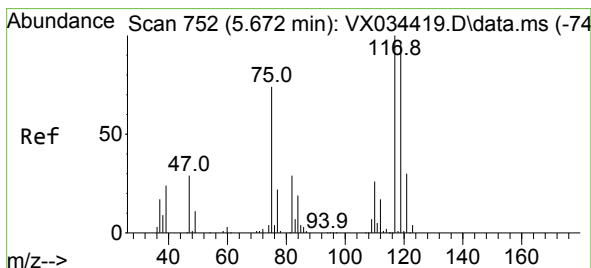
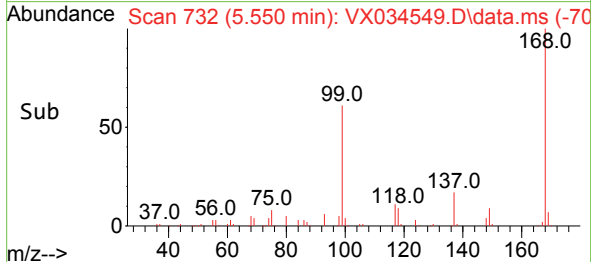
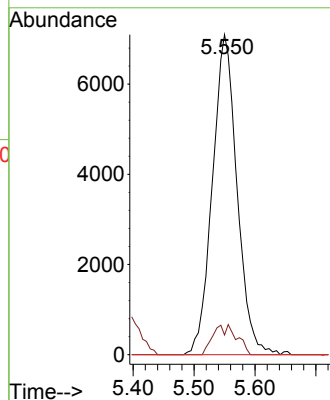
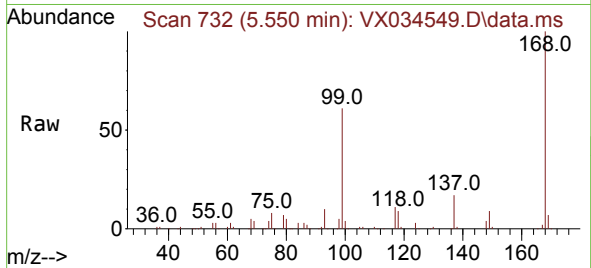




#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

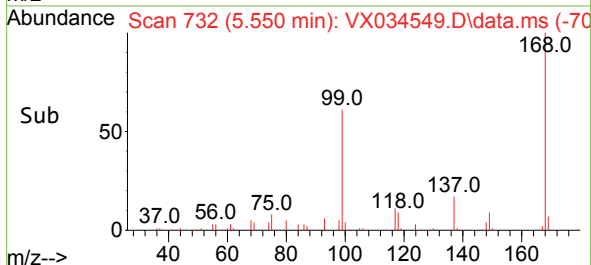
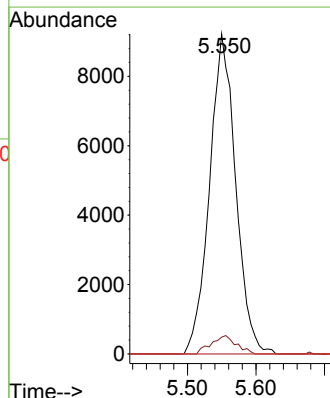
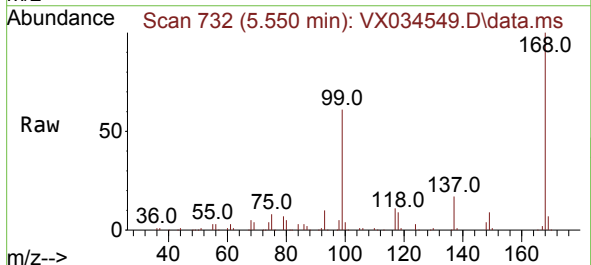
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

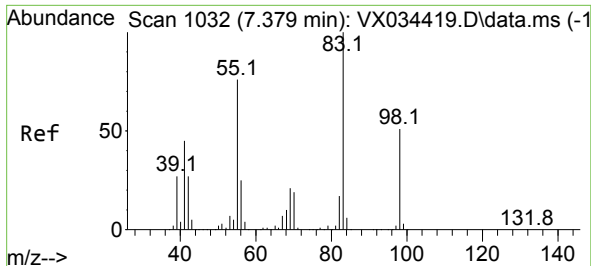
Tgt Ion: 75 Resp: 19909
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.974 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 117 Resp: 24452
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 0.331 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX034549.D

Acq: 16 Mar 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312DL

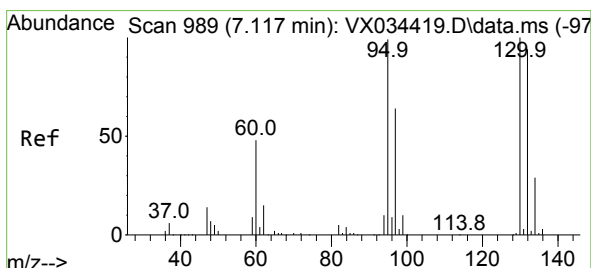
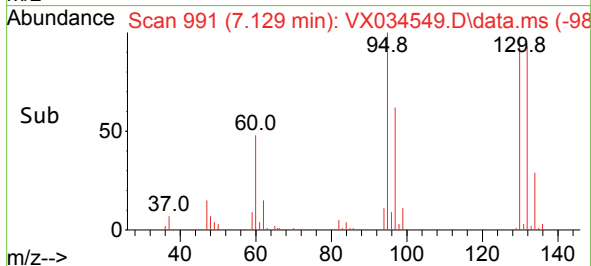
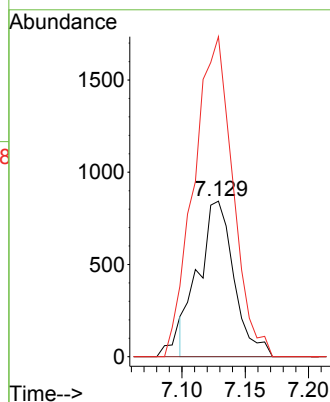
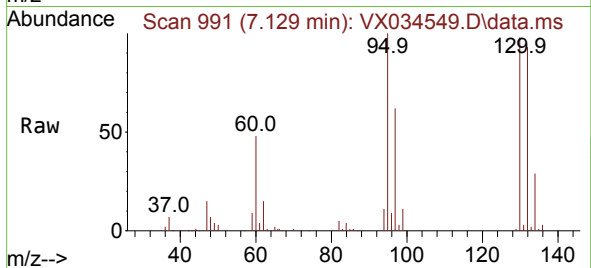
Tgt Ion: 83 Resp: 1630

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 205.8 40.4 60.6#



#44

Trichloroethene

Concen: 45.413 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX034549.D

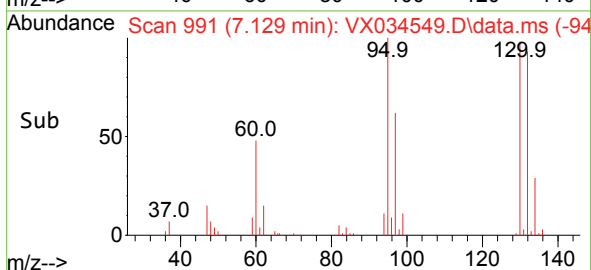
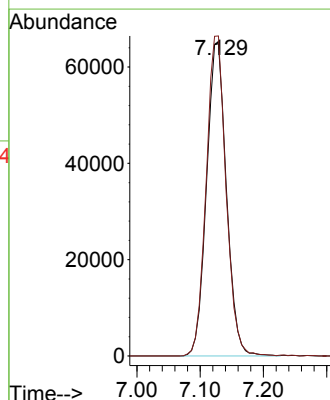
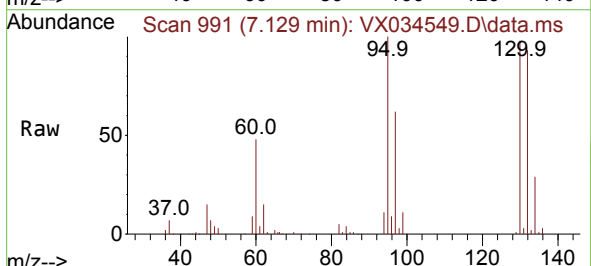
Acq: 16 Mar 2023 16:35

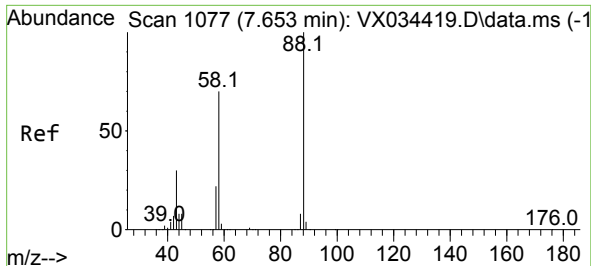
Tgt Ion:130 Resp: 142023

Ion Ratio Lower Upper

130 100

95 102.5 0.0 198.4





#49

1,4-Dioxane

Concen: 6.877 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX034549.D

Acq: 16 Mar 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312DL

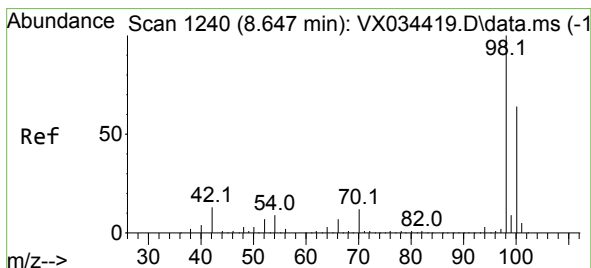
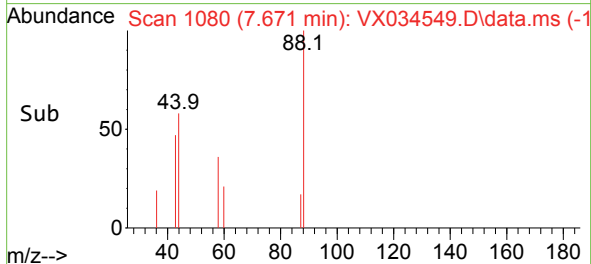
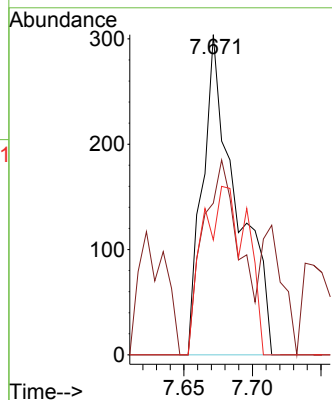
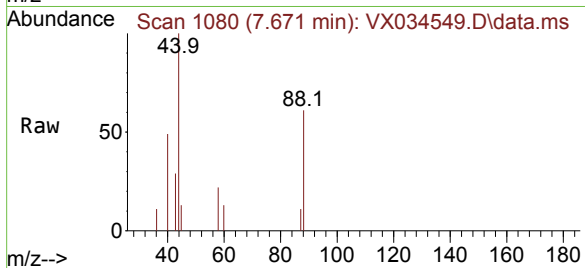
Tgt Ion: 88 Resp: 529

Ion Ratio Lower Upper

88 100

43 64.8 27.7 41.5#

58 67.5 56.8 85.2



#50

Toluene-d8

Concen: 49.303 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034549.D

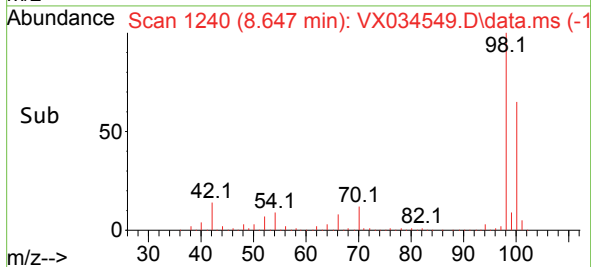
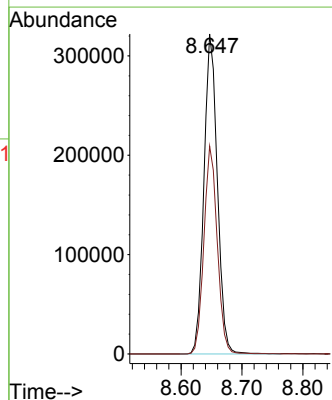
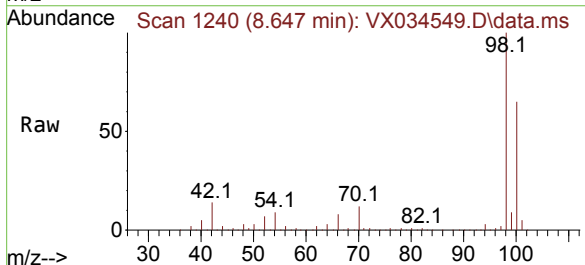
Acq: 16 Mar 2023 16:35

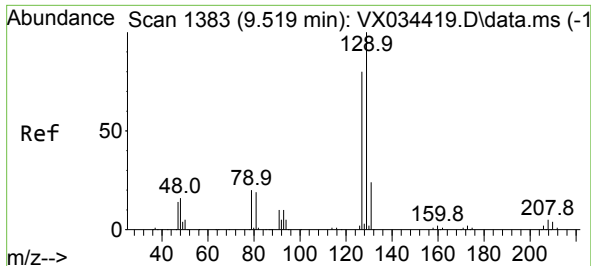
Tgt Ion: 98 Resp: 493035

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

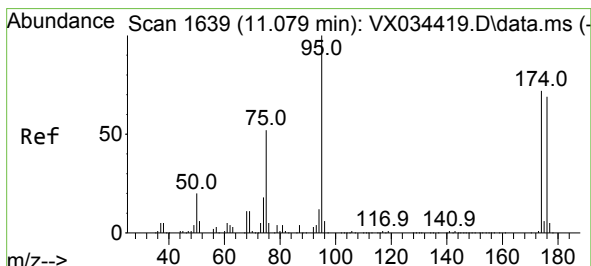
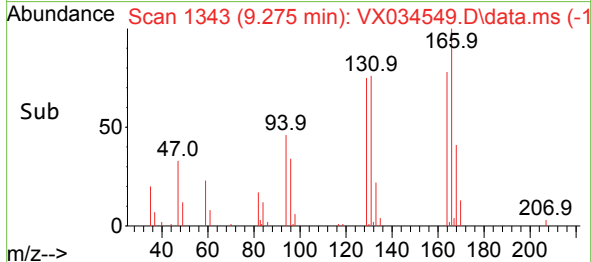
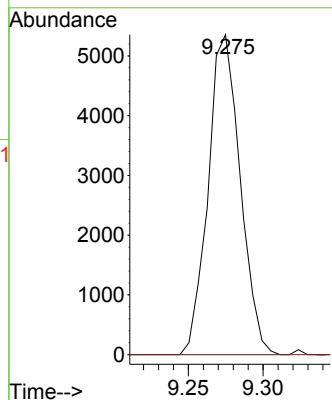
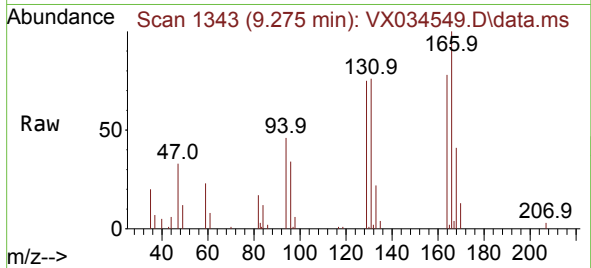




#60
Dibromochloromethane
Concen: 2.576 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

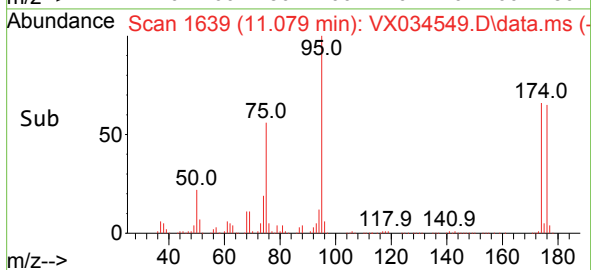
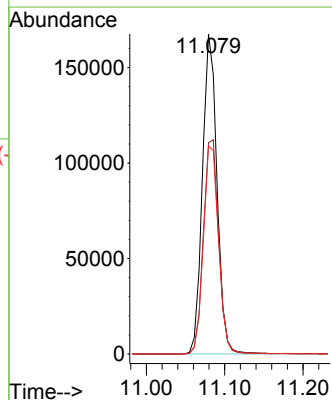
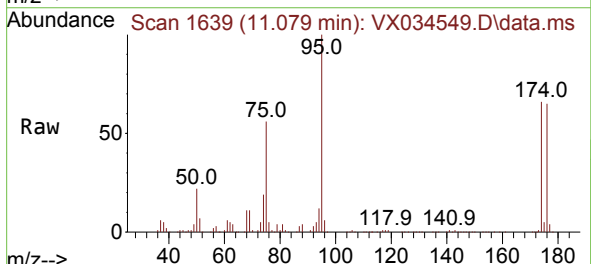
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

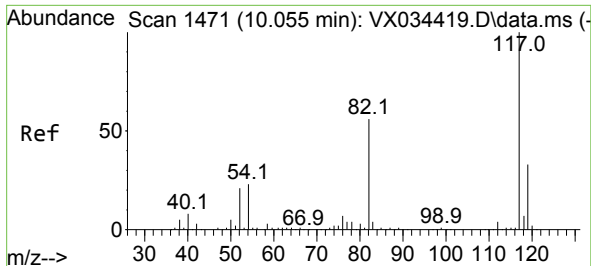
Tgt Ion:129 Resp: 7991
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 53.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion: 95 Resp: 216446
Ion Ratio Lower Upper
95 100
174 70.4 0.0 147.4
176 67.9 0.0 140.6

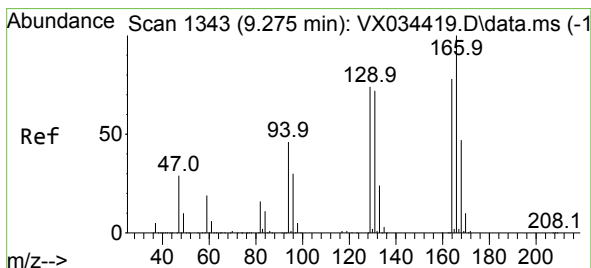
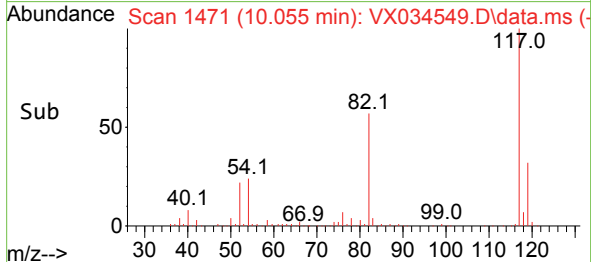
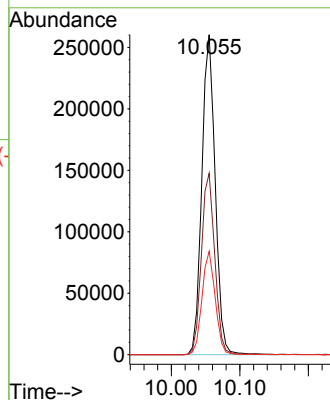
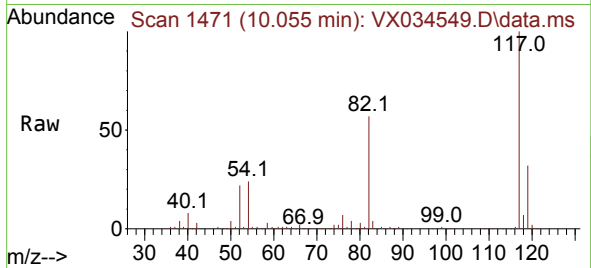




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

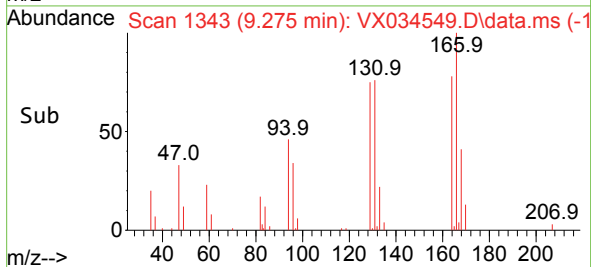
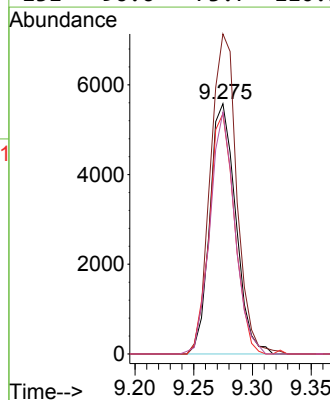
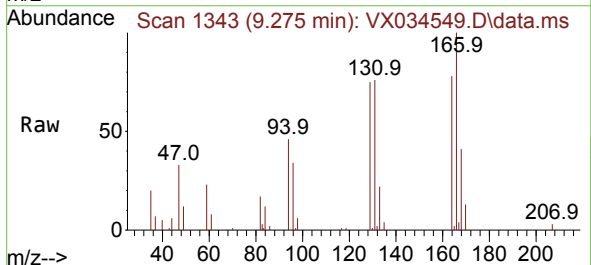
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20230312DL

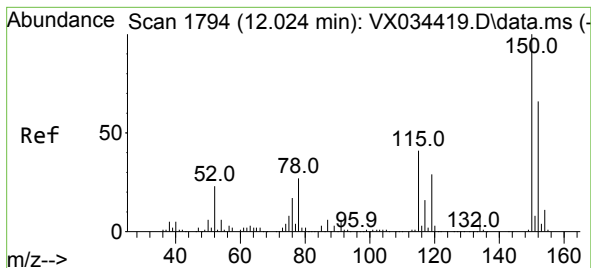
Tgt Ion:117 Resp: 354163
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 3.597 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034549.D
Acq: 16 Mar 2023 16:35

Tgt Ion:164 Resp: 8558
Ion Ratio Lower Upper
164 100
166 127.9 102.7 154.1
129 96.0 75.6 113.4
131 96.6 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034549.D

Acq: 16 Mar 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20230312DL

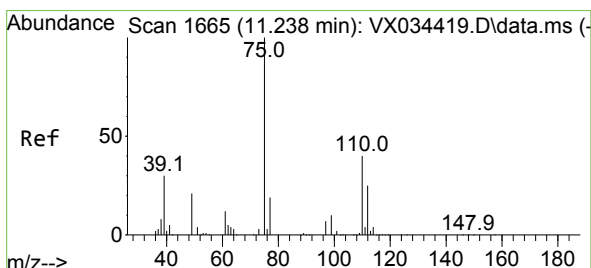
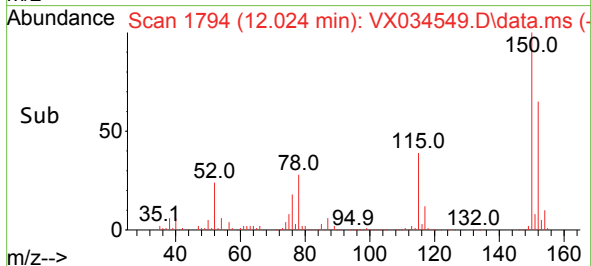
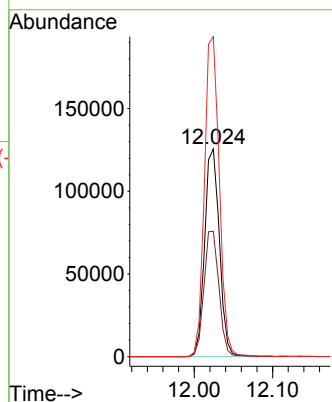
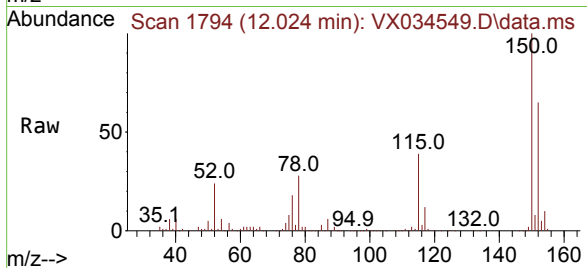
Tgt Ion:152 Resp: 164736

Ion Ratio Lower Upper

152 100

115 61.3 45.0 135.0

150 155.0 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 31.319 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034549.D

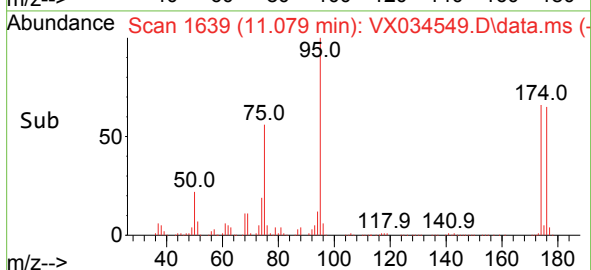
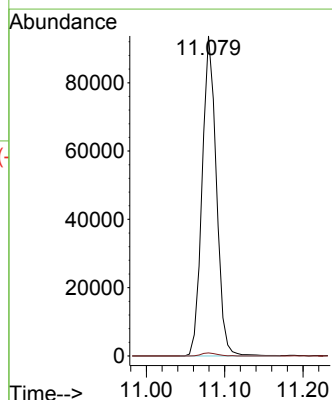
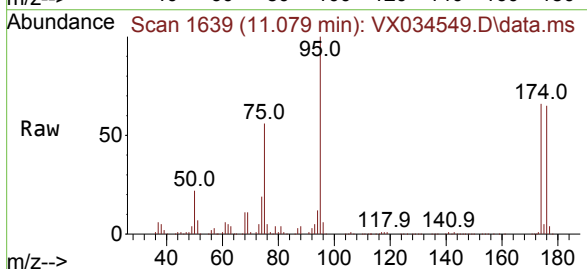
Acq: 16 Mar 2023 16:35

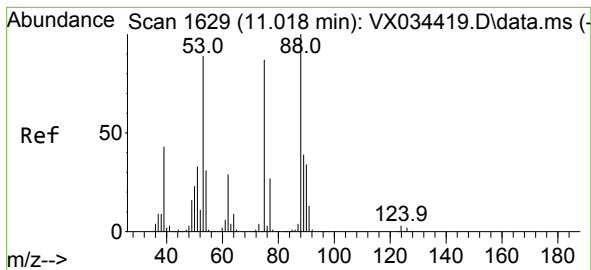
Tgt Ion: 75 Resp: 118466

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.728 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034549.D
 Acq: 16 Mar 2023 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20230312DL

Tgt Ion: 75 Resp: 118466
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

