

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034550.D
 Acq On : 16 Mar 2023 16:58
 Operator : JC/MD
 Sample : 01903-18DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20230312DL

Quant Time: Mar 17 06:28:01 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)

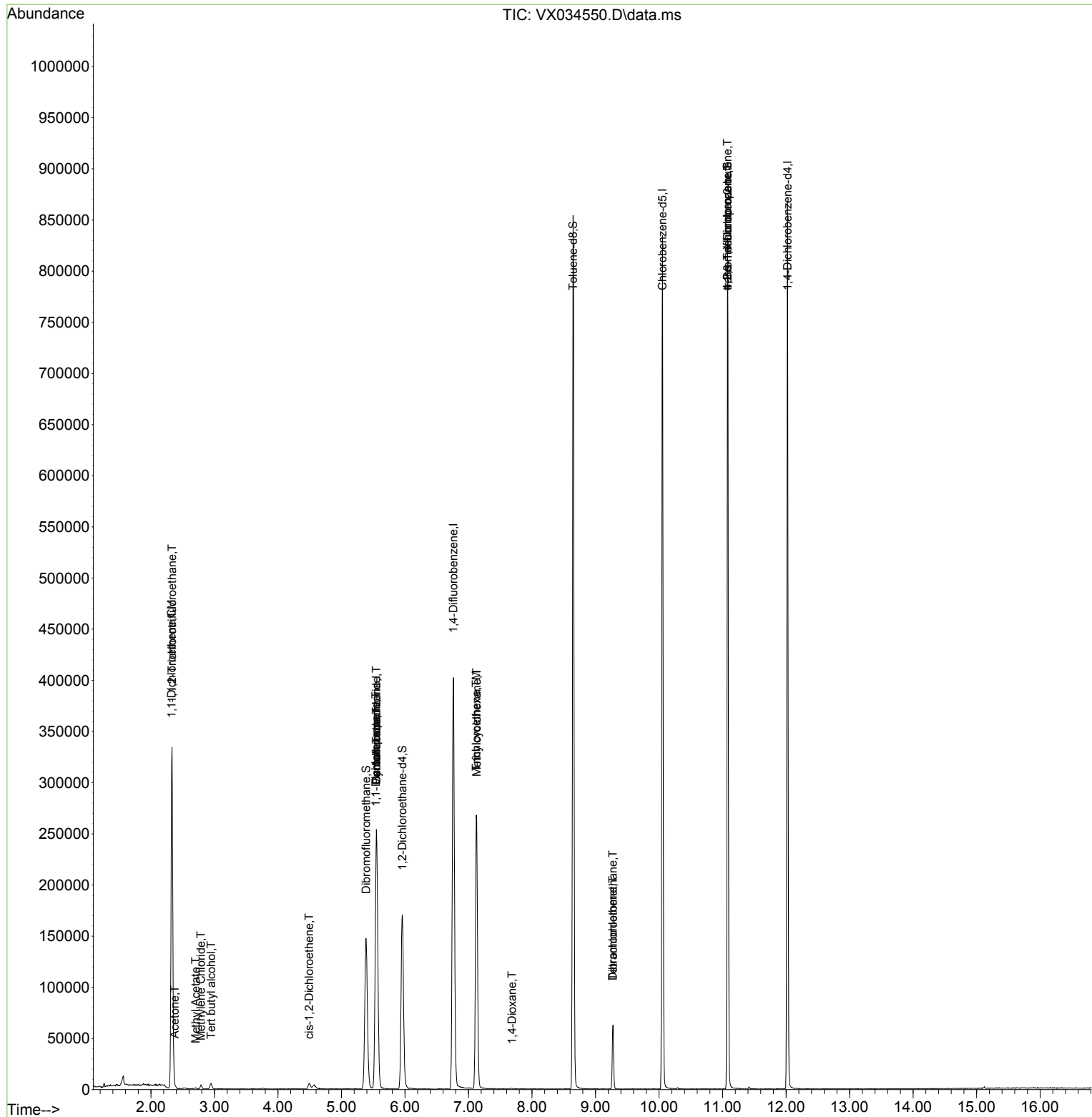
Internal Standards						
1) Pentafluorobenzene	5.550	168	238610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	403940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163518	47.106	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.220%		
35) Dibromofluoromethane	5.385	113	127351	47.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.500%		
50) Toluene-d8	8.647	98	484559	48.670	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.340%		
62) 4-Bromofluorobenzene	11.079	95	217577	54.103	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.200%		
Target Compounds						
3) Chloromethane	1.294	50	410	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	131595	49.615	ug/l	99
11) Tert butyl alcohol	2.946	59	3239	4.481	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1413	0.541	ug/l #	93
16) Acetone	2.373	43	1118	0.684	ug/l	93
18) Methyl Acetate	2.703	43	1184	0.222	ug/l #	76
20) Methylene Chloride	2.788	84	1599	0.504	ug/l #	77
27) cis-1,2-Dichloroethene	4.489	96	3361	1.006	ug/l	89
31) Cyclohexane	5.550	56	5573	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	19857	4.847	ug/l #	50
38) Carbon Tetrachloride	5.550	117	23901	5.865	ug/l #	15
39) Methylcyclohexane	7.129	83	1427	0.291	ug/l #	9
44) Trichloroethene	7.123	130	101667	32.653	ug/l	98
49) 1,4-Dioxane	7.683	88	561	7.325	ug/l #	68
60) Dibromochloromethane	9.275	129	11210	3.630	ug/l #	10
64) Tetrachloroethene	9.275	164	11447	4.826	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	121173	31.521	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	121173	85.274	ug/l #	8

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

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Sample : 01903-18DL 5X
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ALS Vial : 20 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
RE131D2-20230312DL

Quant Time: Mar 17 06:28:01 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

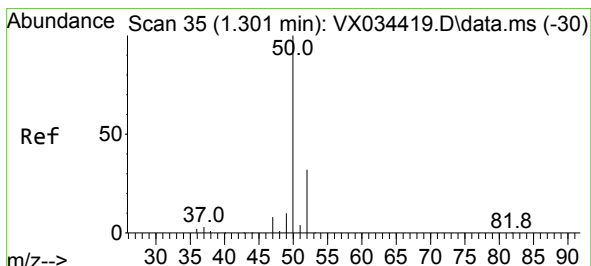
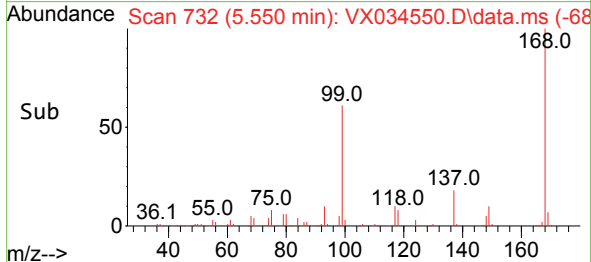
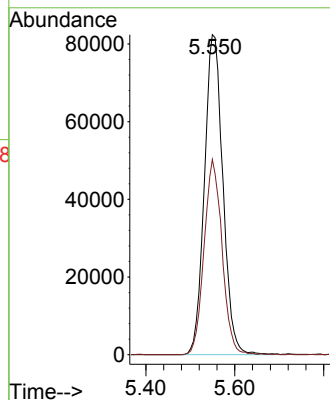
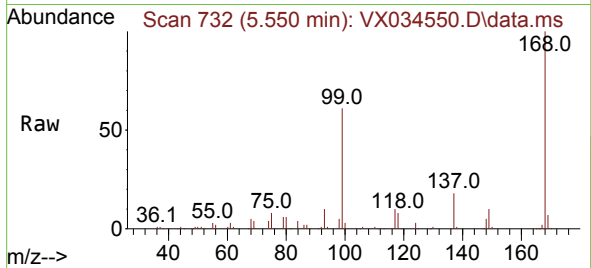




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

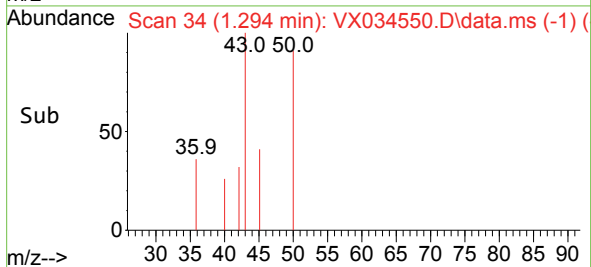
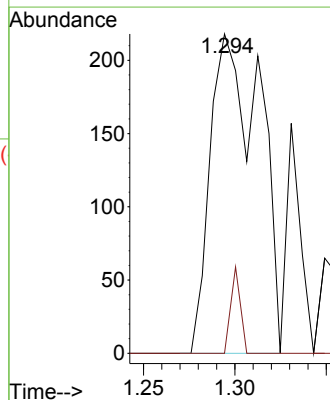
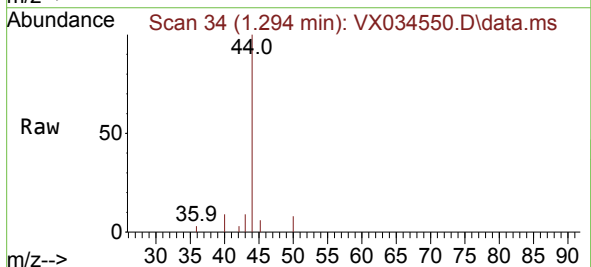
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

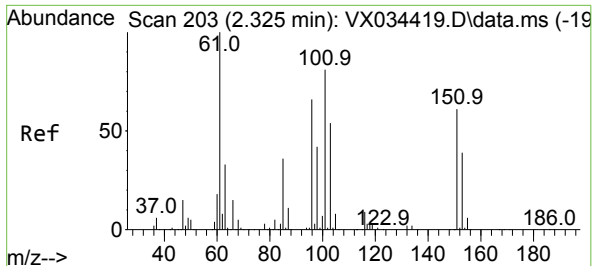
Tgt Ion:168 Resp: 238610
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 50 Resp: 410
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

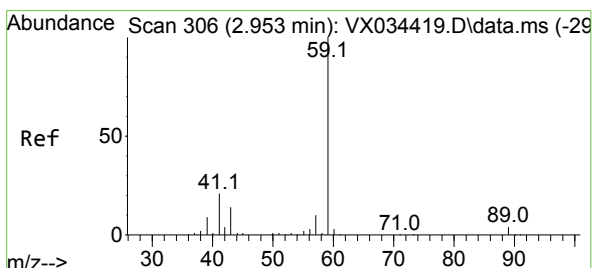
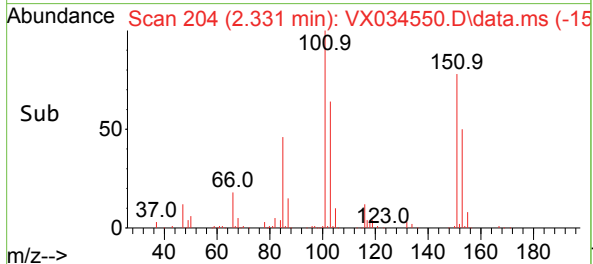
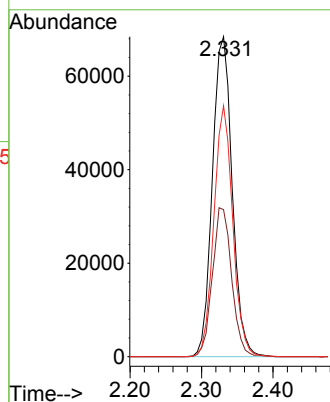
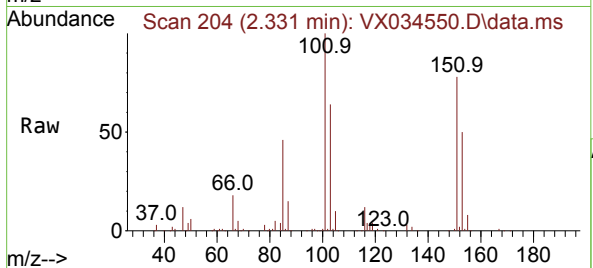




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.615 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

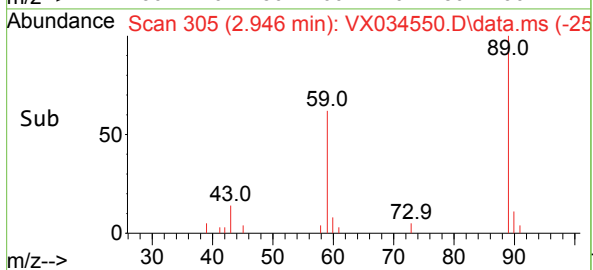
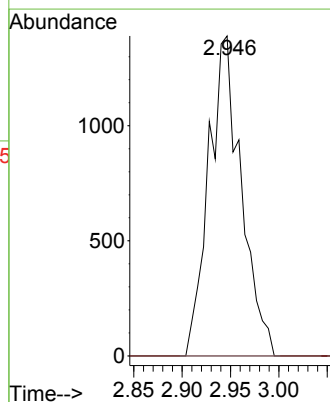
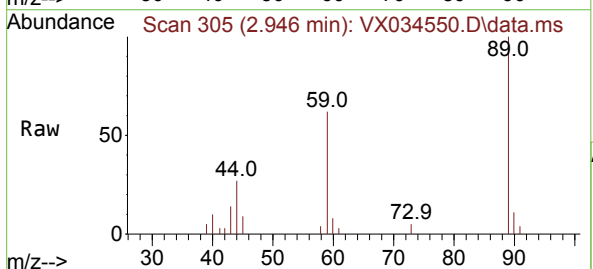
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

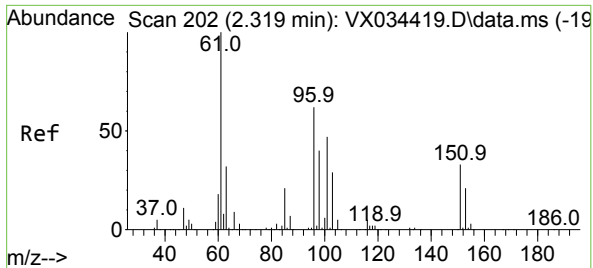
Tgt Ion:101 Resp: 131595
Ion Ratio Lower Upper
101 100
85 45.5 35.4 53.2
151 74.8 60.2 90.4



#11
Tert butyl alcohol
Concen: 4.481 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 59 Resp: 3239
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.541 ug/l

RT: 2.325 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20230312DL

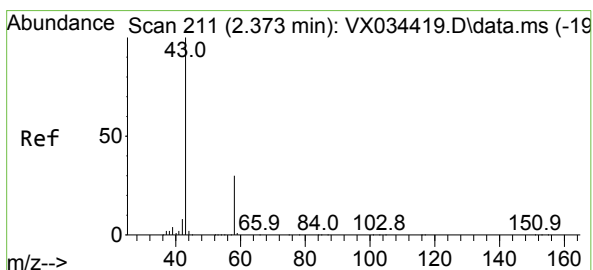
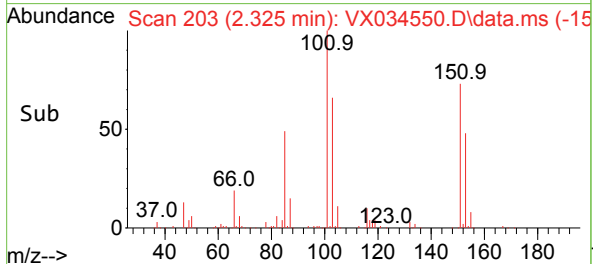
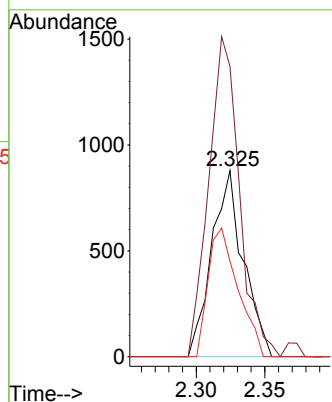
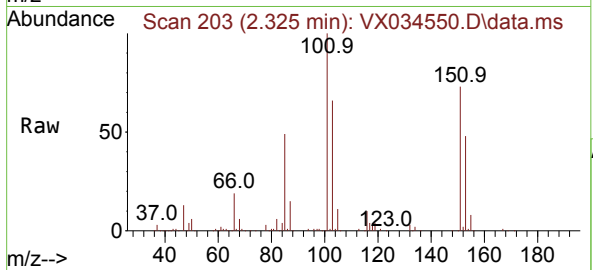
Tgt Ion: 96 Resp: 1413

Ion Ratio Lower Upper

96 100

61 156.0 128.8 193.2

98 51.3 51.4 77.0#



#16

Acetone

Concen: 0.684 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX034550.D

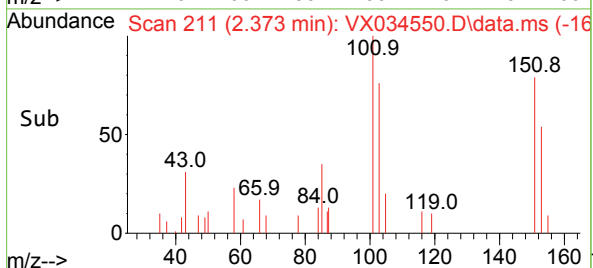
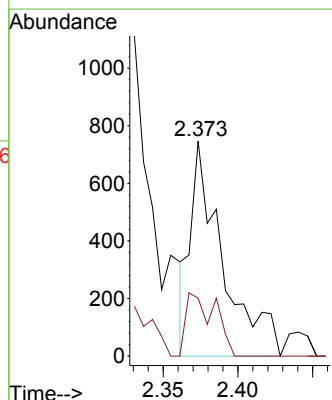
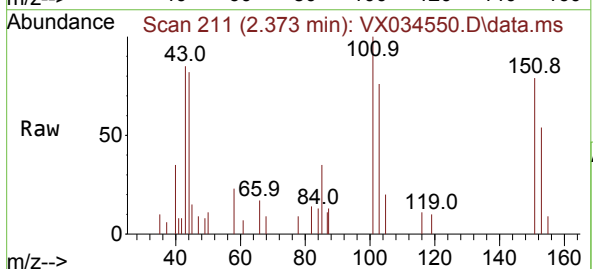
Acq: 16 Mar 2023 16:58

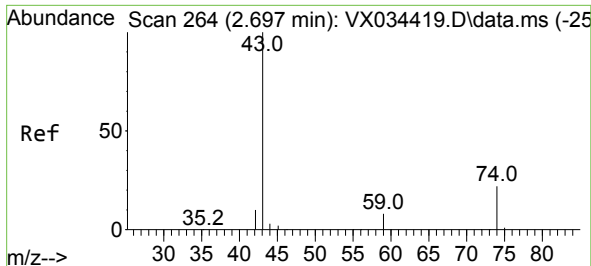
Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1

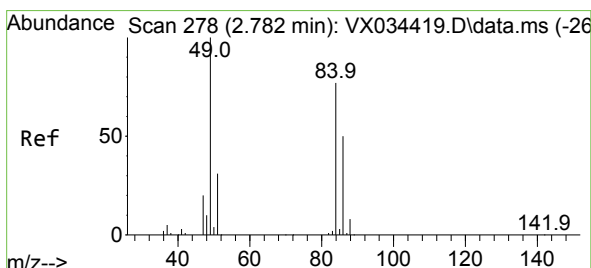
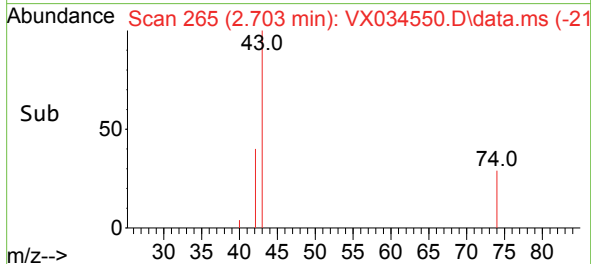
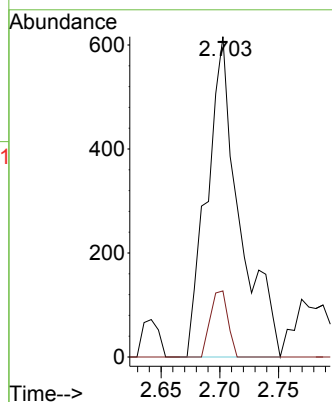
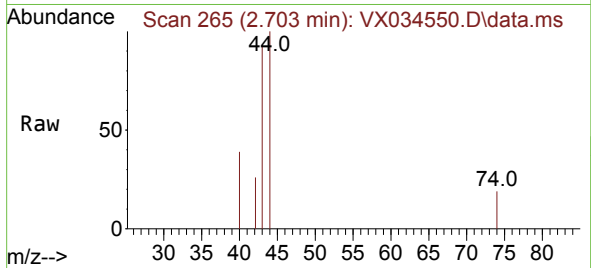




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 2.703 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

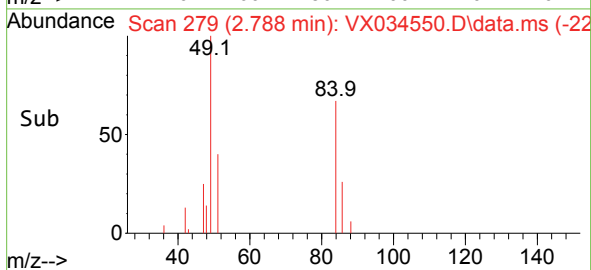
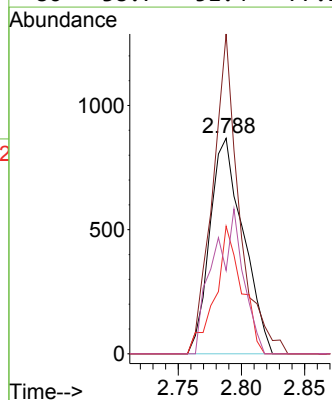
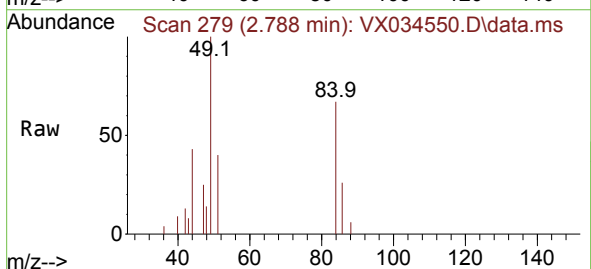
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

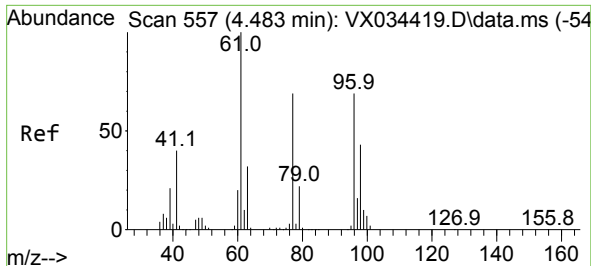
Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
74 11.1 18.3 27.5#



#20
Methylene Chloride
Concen: 0.504 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
49 148.4 103.8 155.8
51 59.2 31.8 47.8#
86 38.7 51.4 77.2#





#27

cis-1,2-Dichloroethene

Concen: 1.006 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20230312DL

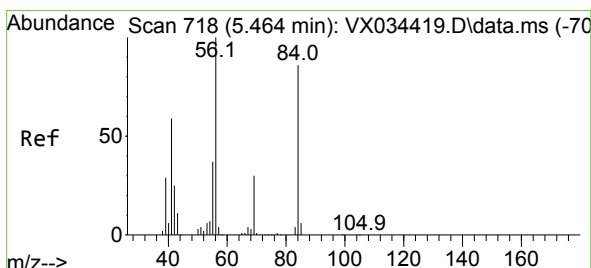
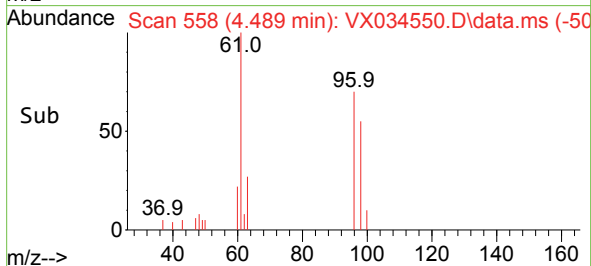
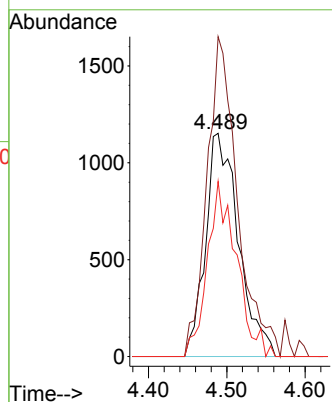
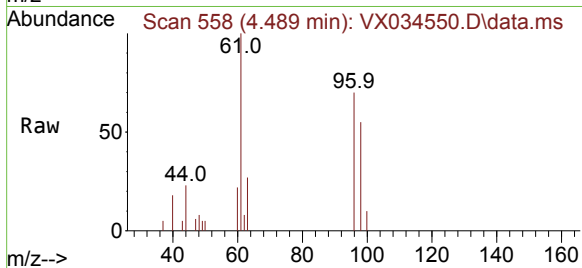
Tgt Ion: 96 Resp: 3361

Ion Ratio Lower Upper

96 100

61 133.2 0.0 300.4

98 69.5 0.0 129.0



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

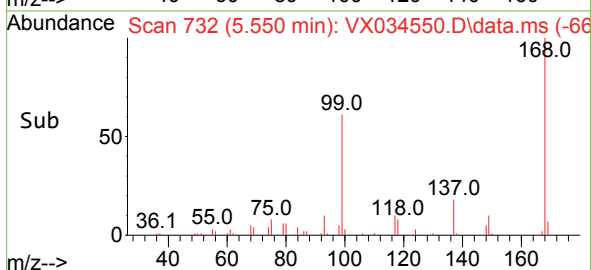
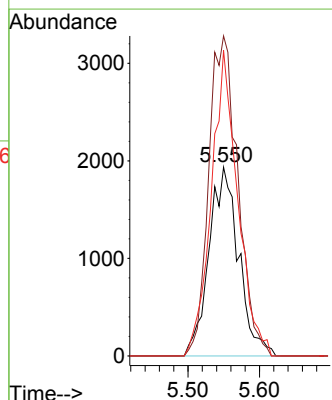
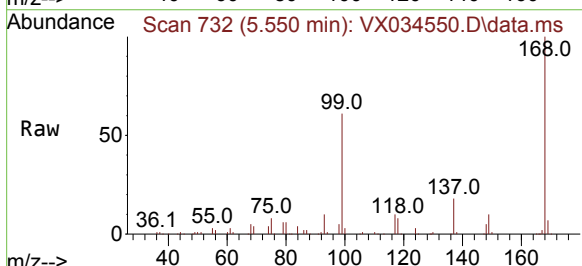
Tgt Ion: 56 Resp: 5573

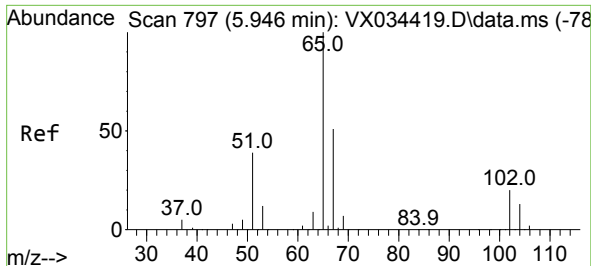
Ion Ratio Lower Upper

56 100

69 169.4 23.7 35.5#

84 161.9 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.106 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

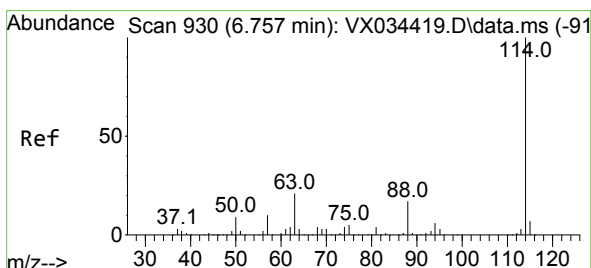
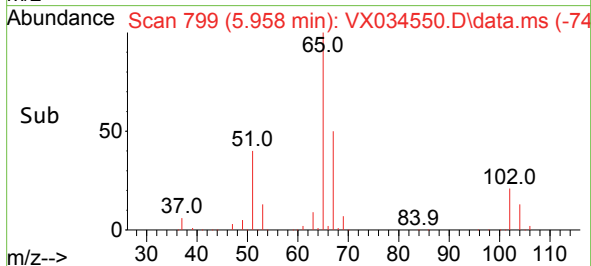
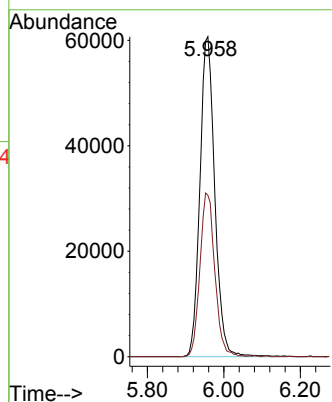
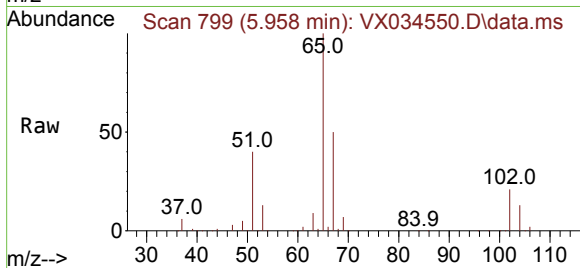
RE131D2-20230312DL

Tgt Ion: 65 Resp: 163518

Ion Ratio Lower Upper

65 100

67 51.3 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: VX034550.D

Acq: 16 Mar 2023 16:58

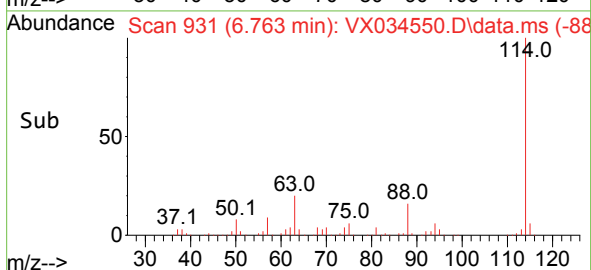
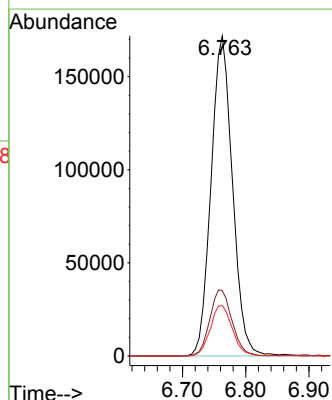
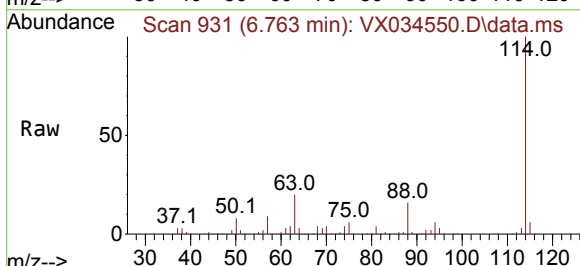
Tgt Ion: 114 Resp: 403940

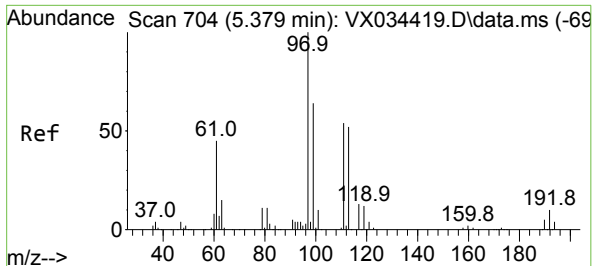
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 15.8 0.0 33.2

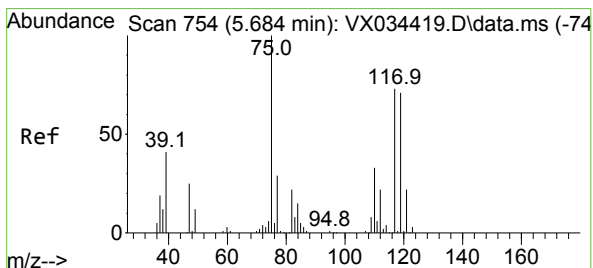
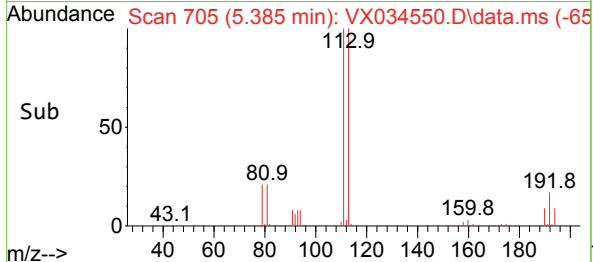
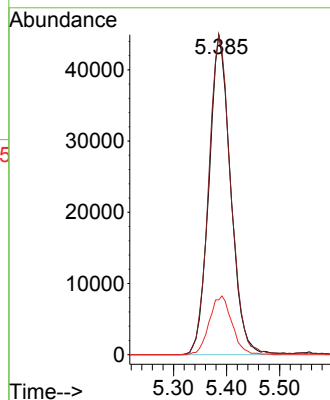
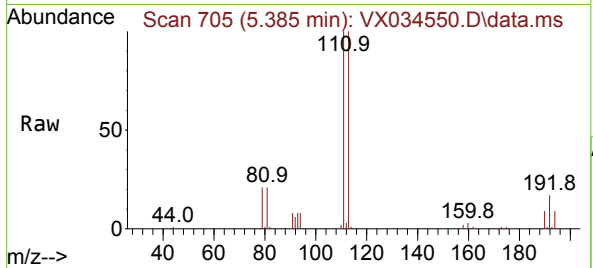




#35
Dibromofluoromethane
Concen: 47.751 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

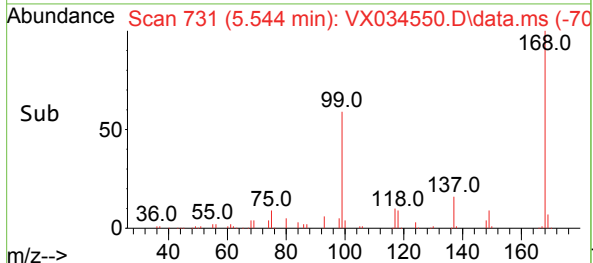
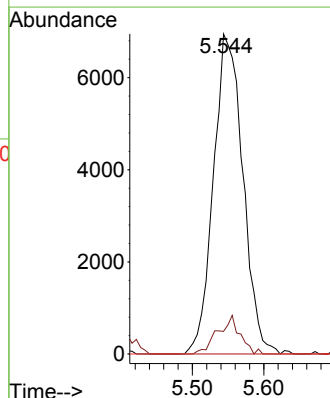
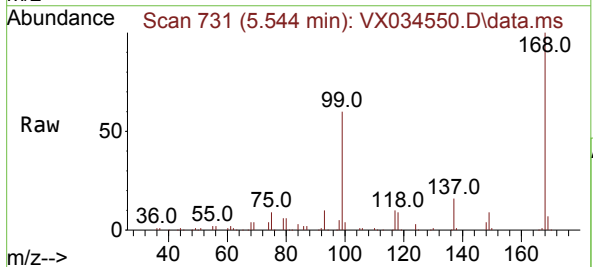
Instrument :
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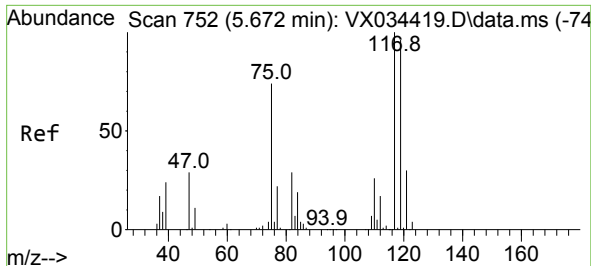
Tgt Ion:113 Resp: 127351
Ion Ratio Lower Upper
113 100
111 101.8 83.7 125.5
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

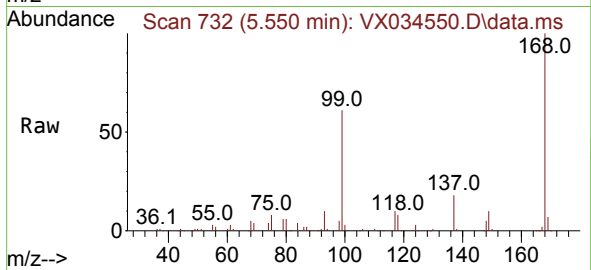
Tgt Ion: 75 Resp: 19857
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



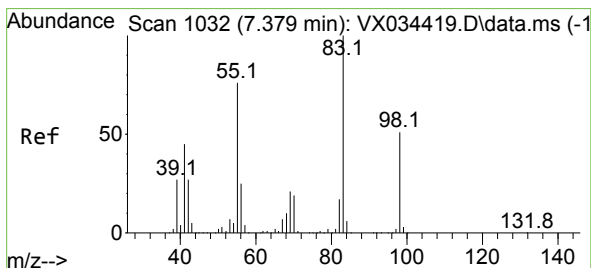
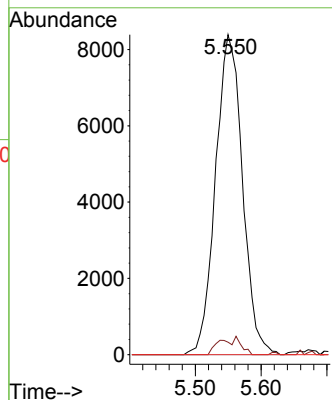
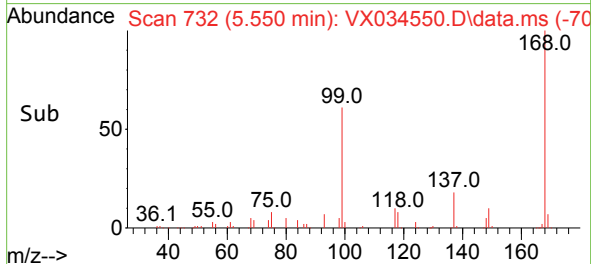


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

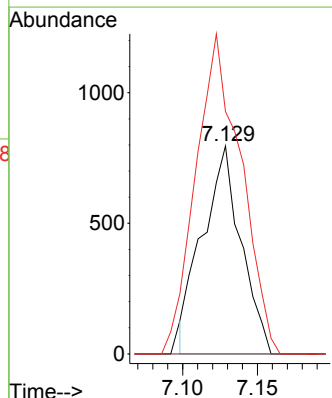
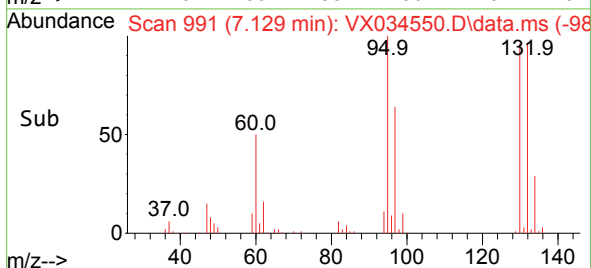
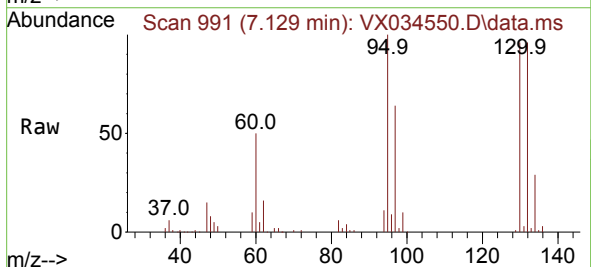


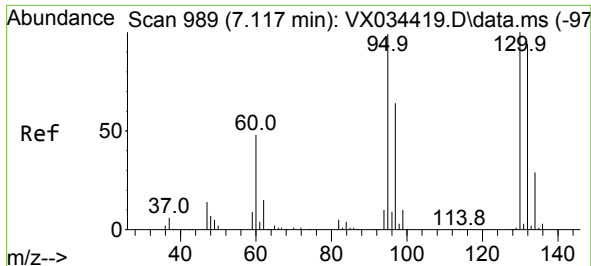
Tgt Ion:117 Resp: 23901
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.291 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 83 Resp: 1427
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 116.6 40.4 60.6#

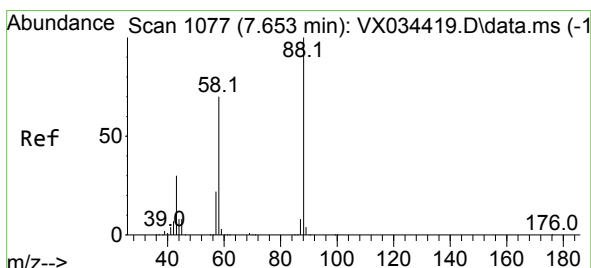
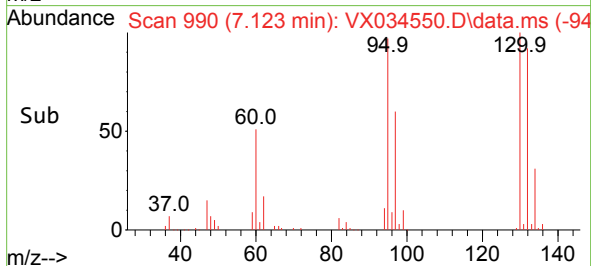
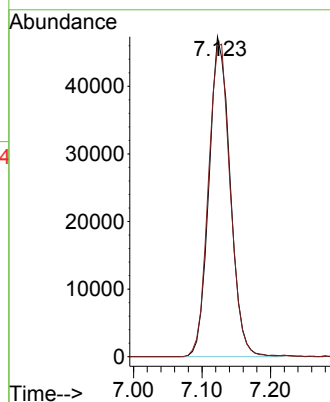
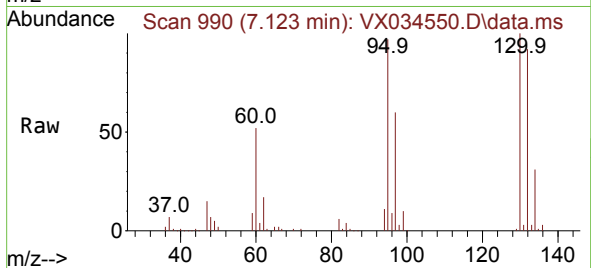




#44
Trichloroethene
Concen: 32.653 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

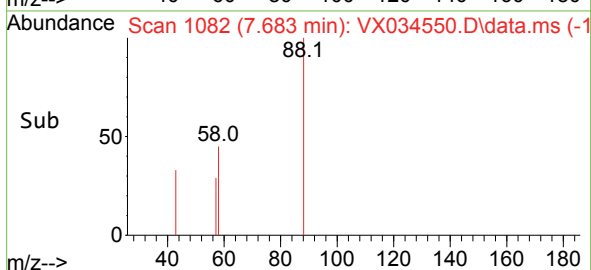
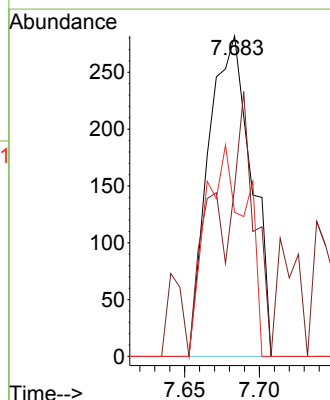
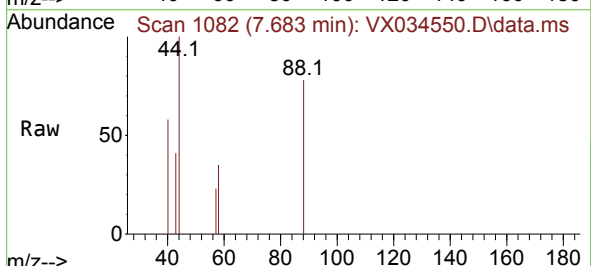
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

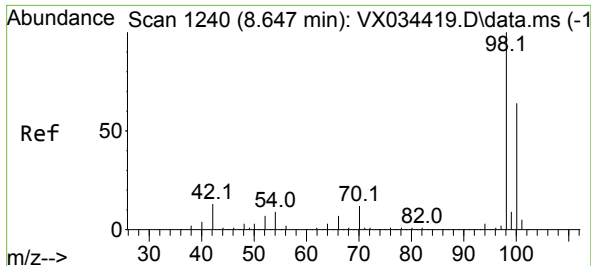
Tgt Ion:130 Resp: 101667
Ion Ratio Lower Upper
130 100
95 96.9 0.0 198.4



#49
1,4-Dioxane
Concen: 7.325 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.030 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 88 Resp: 561
Ion Ratio Lower Upper
88 100
43 78.3 27.7 41.5#
58 62.6 56.8 85.2

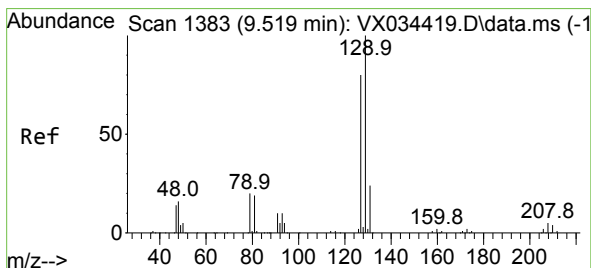
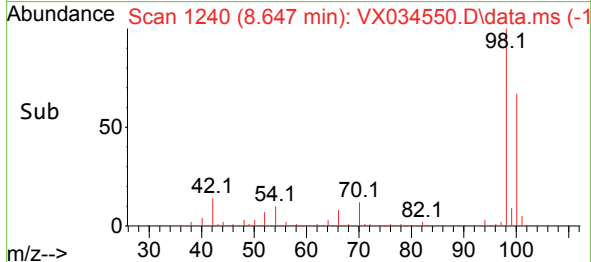
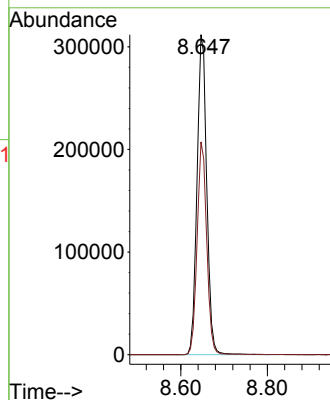
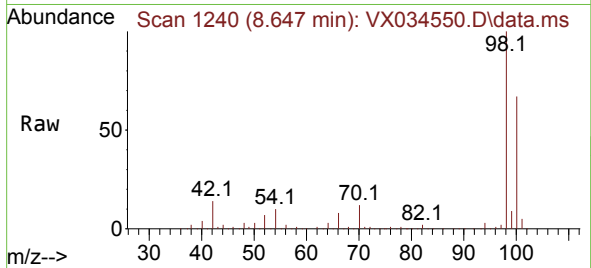




#50
Toluene-d8
Concen: 48.670 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

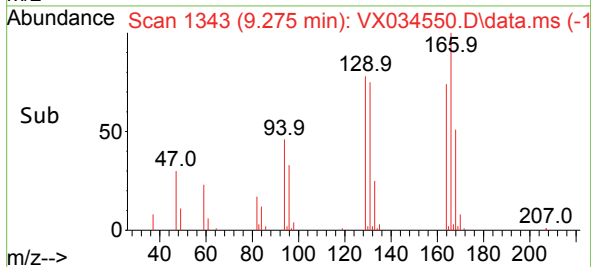
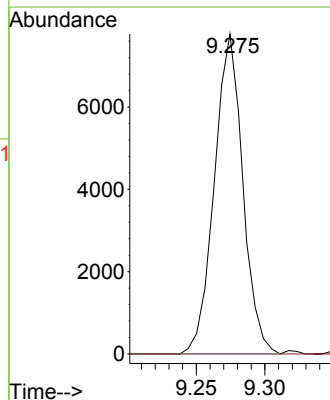
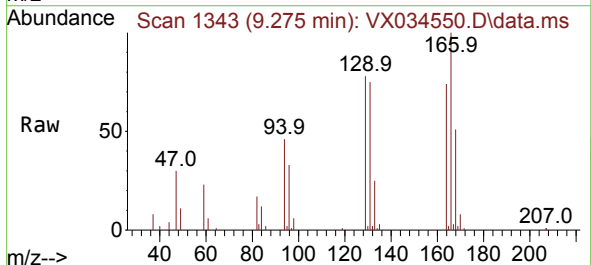
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

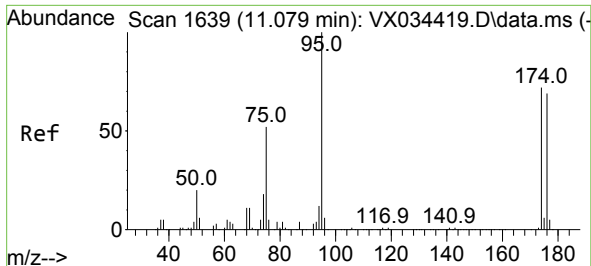
Tgt Ion: 98 Resp: 484559
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#60
Dibromochloromethane
Concen: 3.630 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 129 Resp: 11210
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

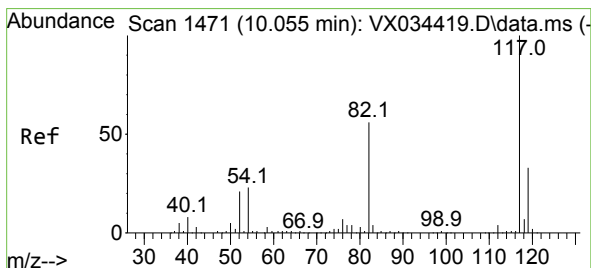
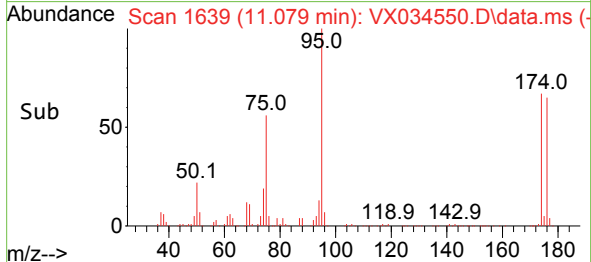
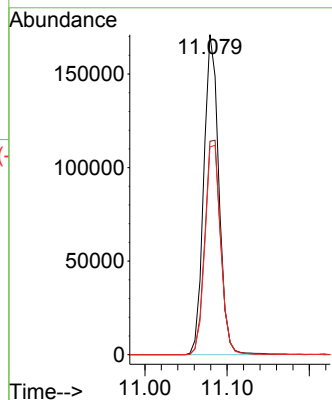
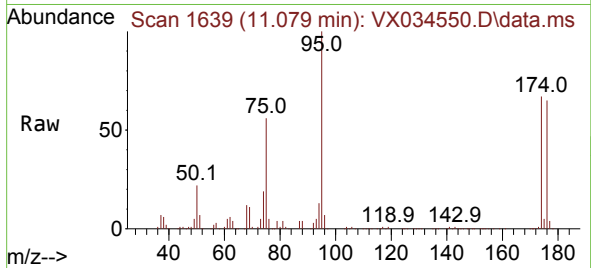




#62
4-Bromofluorobenzene
Concen: 54.103 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

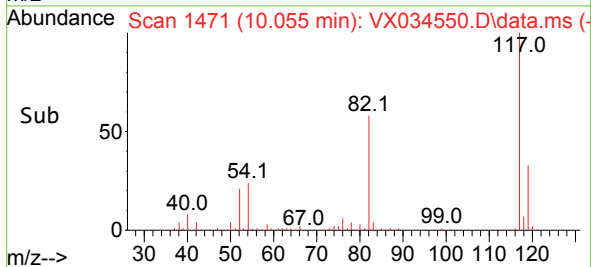
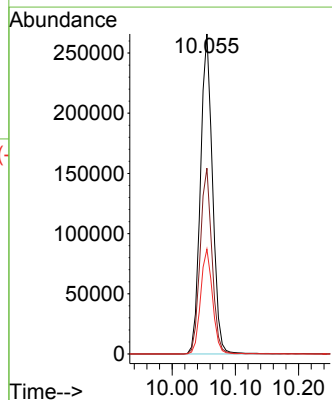
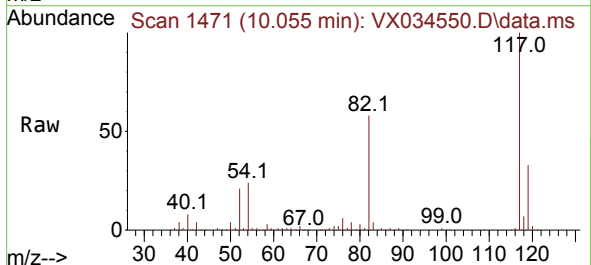
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

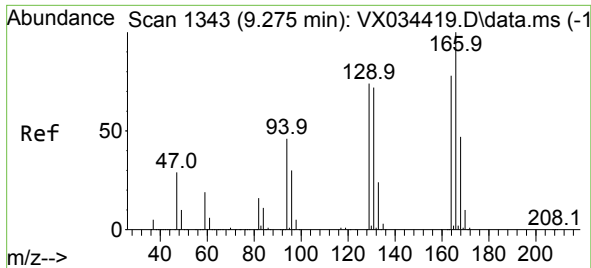
Tgt Ion: 95 Resp: 217577
Ion Ratio Lower Upper
95 100
174 70.4 0.0 147.4
176 68.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion: 117 Resp: 353095
Ion Ratio Lower Upper
117 100
82 58.0 45.0 67.4
119 32.7 26.0 39.0

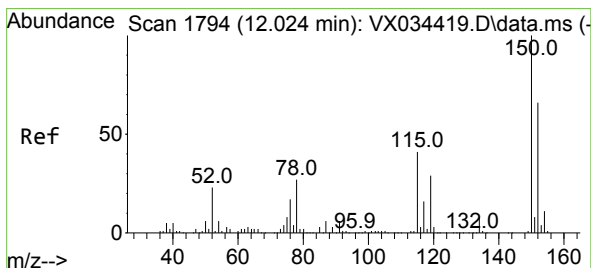
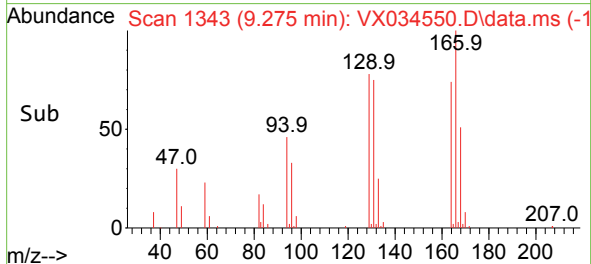
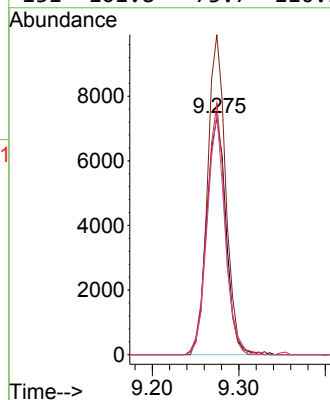
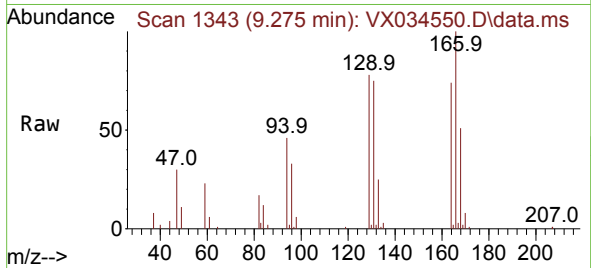




#64
Tetrachloroethene
Concen: 4.826 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

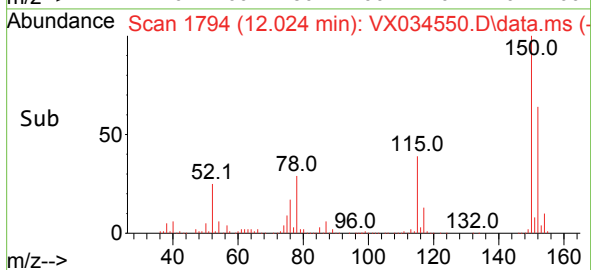
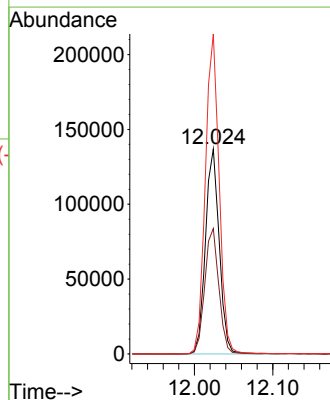
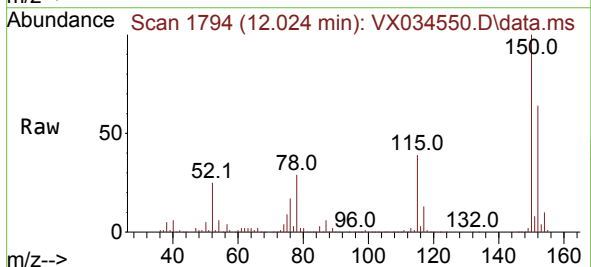
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230312DL

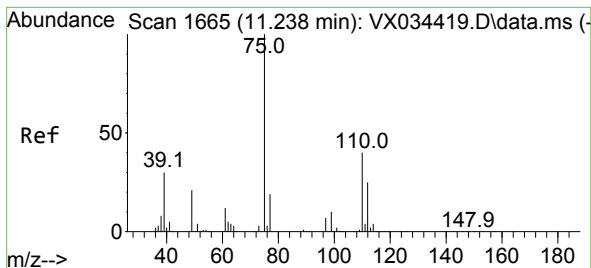
Tgt Ion:164 Resp: 11447
Ion Ratio Lower Upper
164 100
166 134.9 102.7 154.1
129 105.9 75.6 113.4
131 101.8 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034550.D
Acq: 16 Mar 2023 16:58

Tgt Ion:152 Resp: 167422
Ion Ratio Lower Upper
152 100
115 62.5 45.0 135.0
150 155.9 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 31.521 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

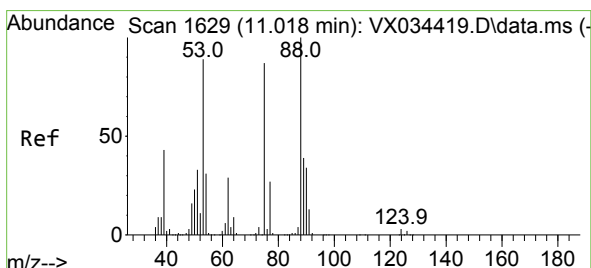
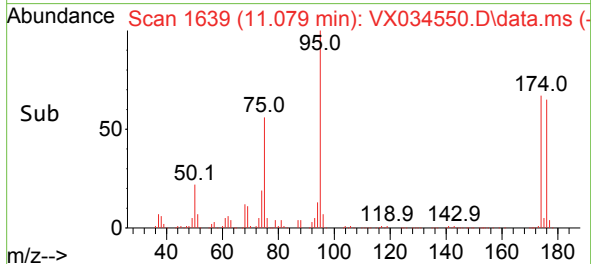
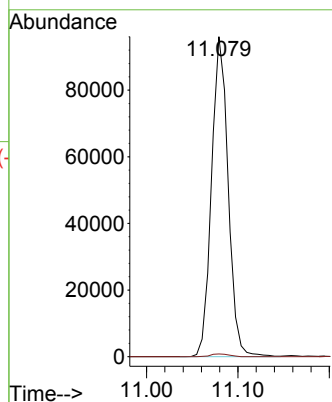
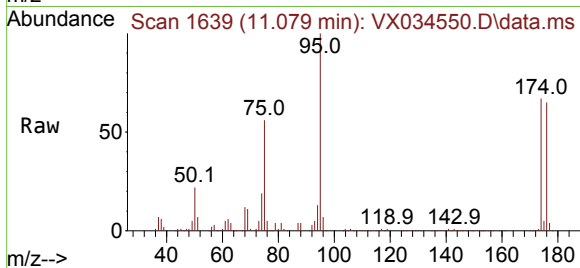
RE131D2-20230312DL

Tgt Ion: 75 Resp: 121173

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.274 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034550.D

Acq: 16 Mar 2023 16:58

Tgt Ion: 75 Resp: 121173

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

