

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040280.D
 Acq On : 16 Feb 2024 15:54
 Operator : JC/MD
 Sample : P1507-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20240214

Quant Time: Feb 17 01:37:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

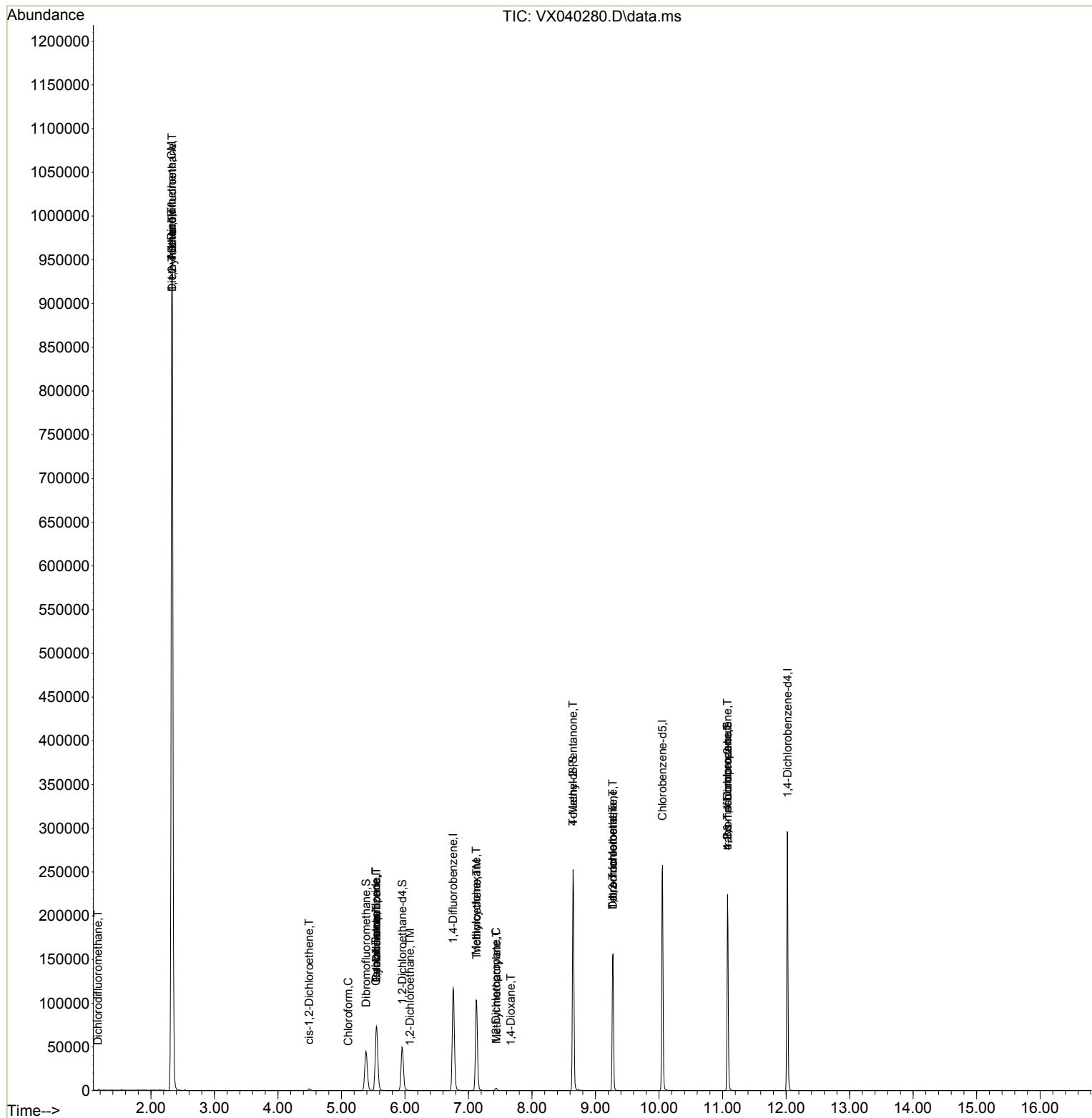
Internal Standards						
1) Pentafluorobenzene	5.550	168	70311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48107	45.991	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.980%
35) Dibromofluoromethane	5.385	113	39935	47.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.920%
50) Toluene-d8	8.647	98	146748	46.625	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.240%
62) 4-Bromofluorobenzene	11.079	95	58300	45.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	225	0.283	ug/l #	41
8) Diethyl Ether	2.331	74	357	0.684	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	391484	525.085	ug/l	98
12) 1,1-Dichloroethene	2.325	96	2794	3.892	ug/l #	69
16) Acetone	2.325	43	5685	13.233	ug/l #	74
20) Methylene Chloride	2.788	84	73	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.489	96	1144	1.227	ug/l	83
30) Chloroform	5.105	83	411	0.258	ug/l #	58
31) Cyclohexane	5.550	56	1712	1.372	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	5699	4.835	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7459	6.656	ug/l #	15
39) Methylcyclohexane	7.123	83	461	0.337	ug/l #	1
42) 1,2-Dichloroethane	6.080	62	399	0.310	ug/l #	77
44) Trichloroethene	7.129	130	39103	43.008	ug/l	98
45) 1,2-Dichloropropane	7.433	63	1266	1.476	ug/l	91
48) Methyl methacrylate	7.440	41	780	0.745	ug/l #	30
49) 1,4-Dioxane	7.665	88	43	1.887	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	660	0.472	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	242	0.263	ug/l #	1
60) Dibromochloromethane	9.275	129	29054	30.969	ug/l #	11
64) Tetrachloroethene	9.275	164	28976	35.010	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	30675	24.833	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	30675	68.333	ug/l #	5

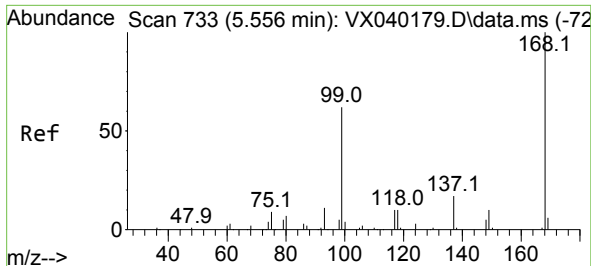
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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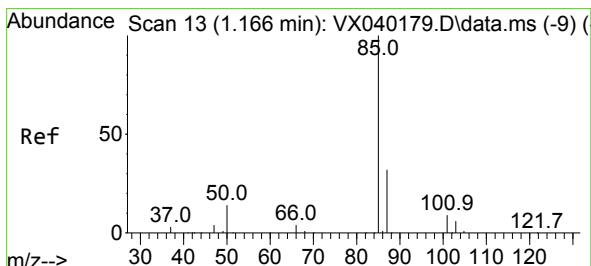
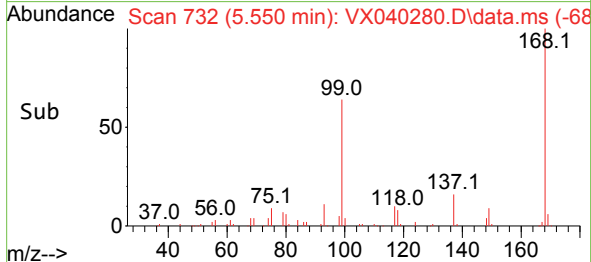
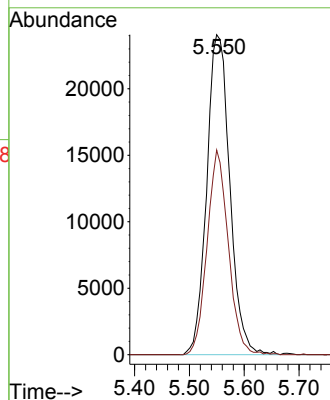
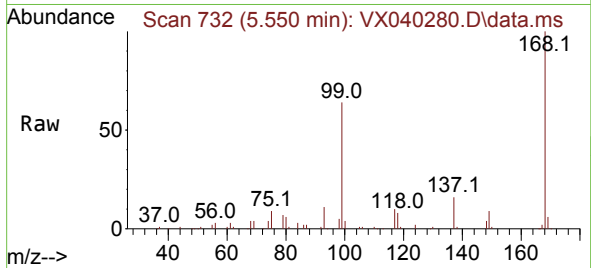




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

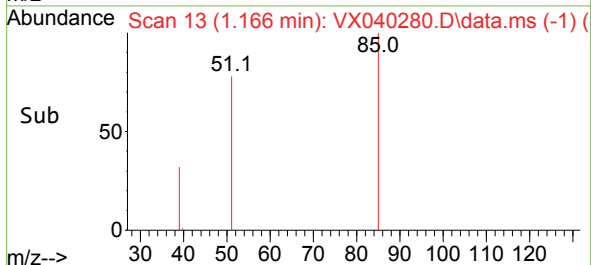
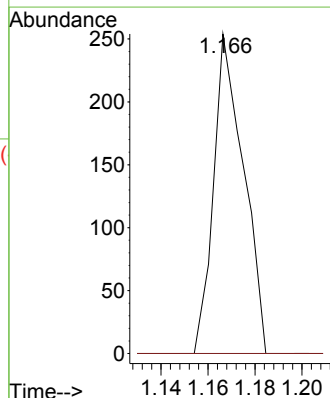
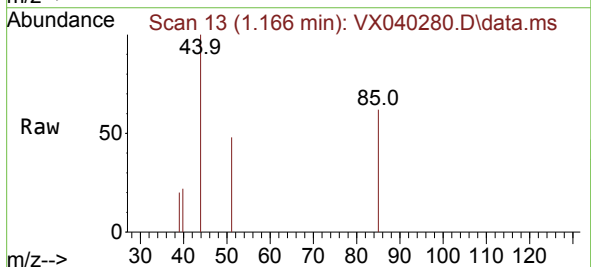
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

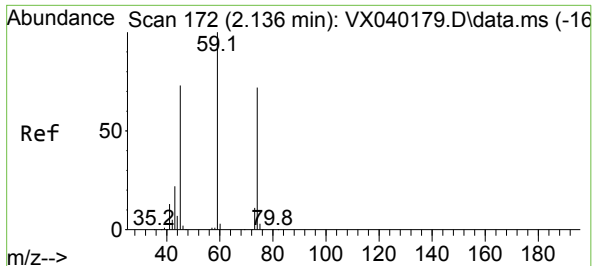
Tgt Ion:168 Resp: 70311
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.283 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 85 Resp: 225
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#





#8

Diethyl Ether

Concen: 0.684 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.195 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

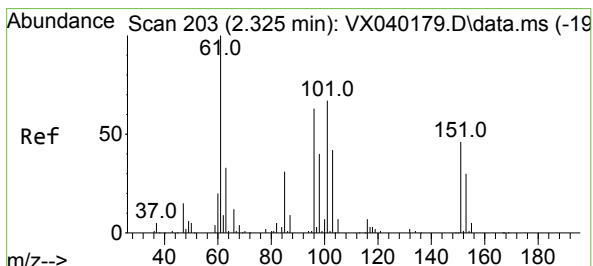
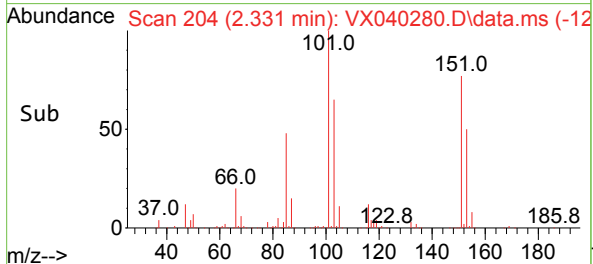
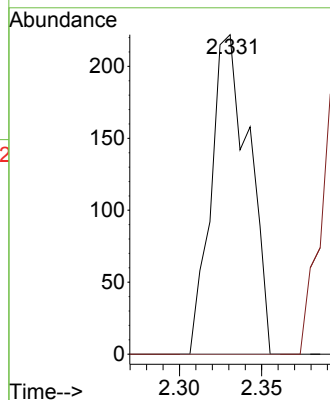
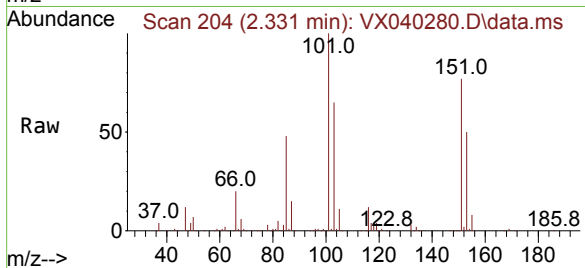
RE131D3-20240214

Tgt Ion: 74 Resp: 357

Ion Ratio Lower Upper

74 100

45 0.0 53.3 159.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 525.085 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

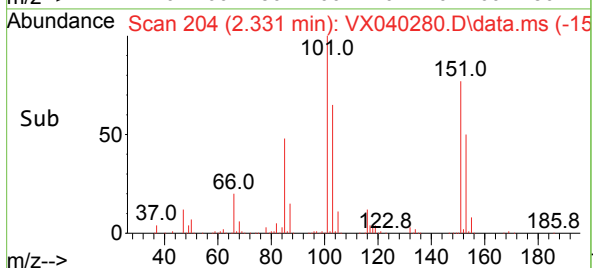
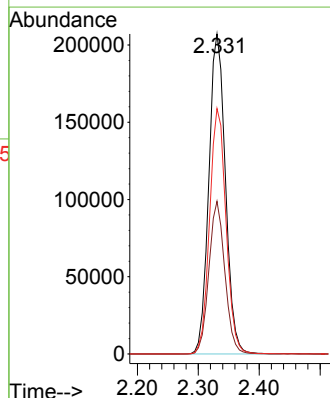
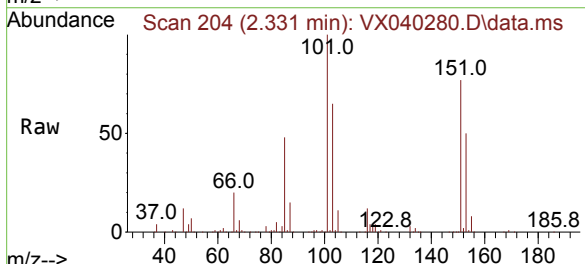
Tgt Ion:101 Resp: 391484

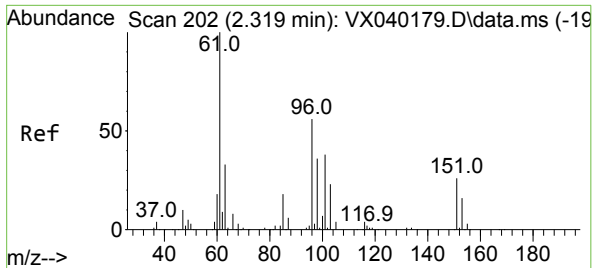
Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.6

151 76.1 58.6 87.8





#12

1,1-Dichloroethene

Concen: 3.892 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20240214

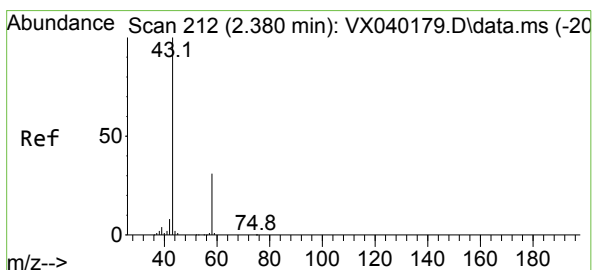
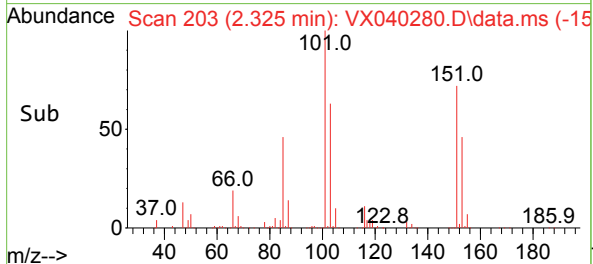
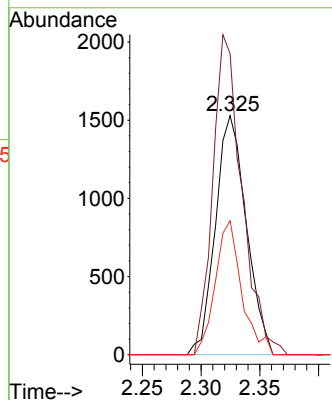
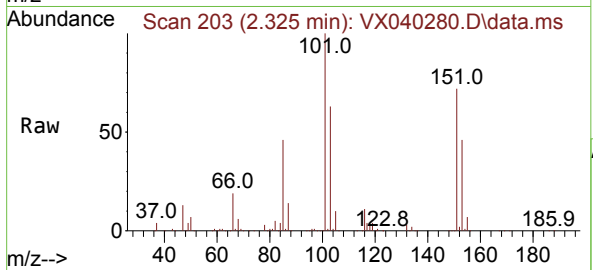
Tgt Ion: 96 Resp: 2794

Ion Ratio Lower Upper

96 100

61 125.8 144.6 216.8#

98 56.0 50.4 75.6



#16

Acetone

Concen: 13.233 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.055 min

Lab File: VX040280.D

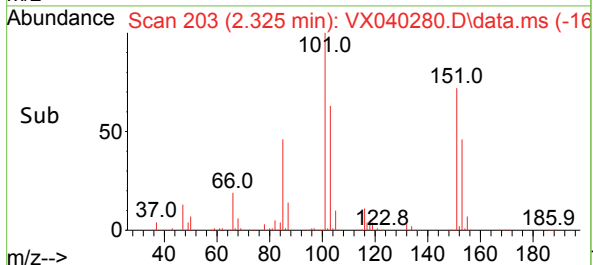
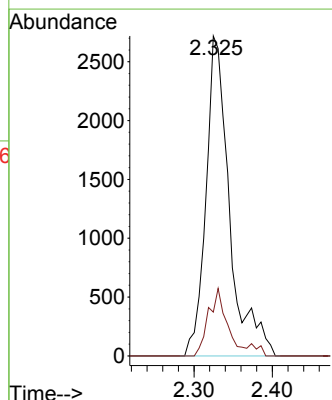
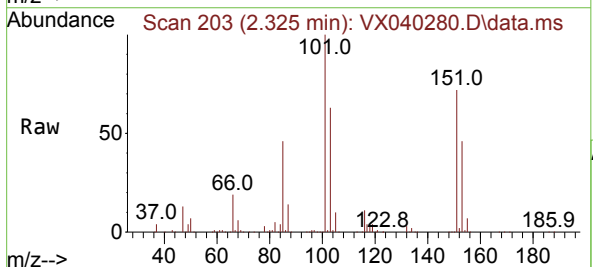
Acq: 16 Feb 2024 15:54

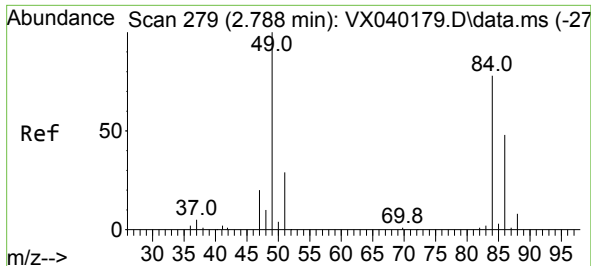
Tgt Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

58 13.7 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040280.D

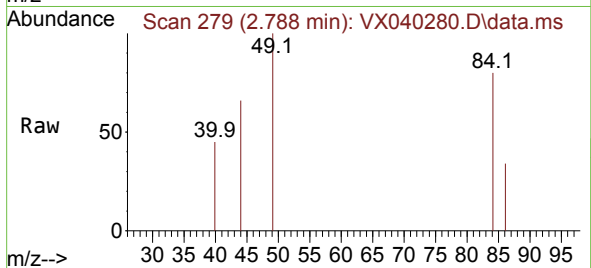
Acq: 16 Feb 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20240214



Tgt Ion: 84 Resp: 73

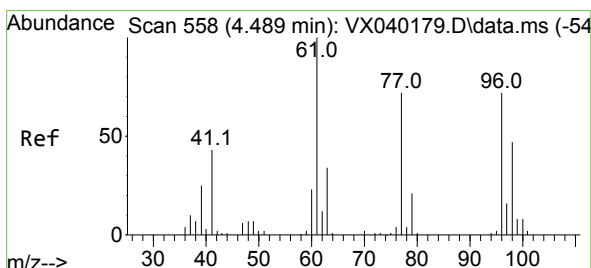
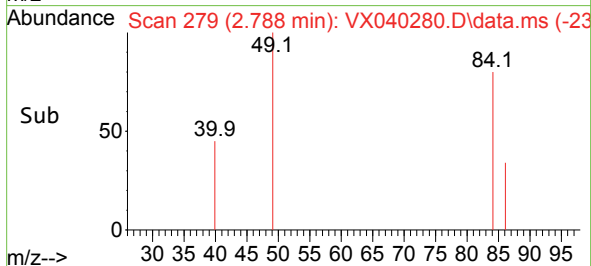
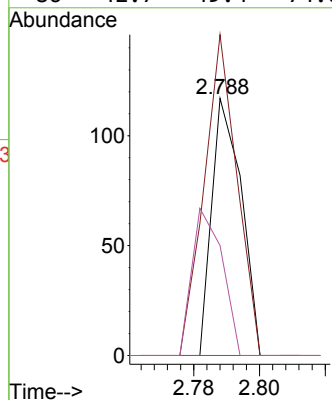
Ion Ratio Lower Upper

84 100

49 124.8 103.6 155.4

51 0.0 33.8 50.6#

86 42.7 49.4 74.0#



#27

cis-1,2-Dichloroethene

Concen: 1.227 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

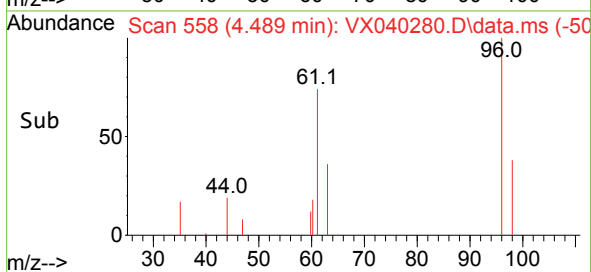
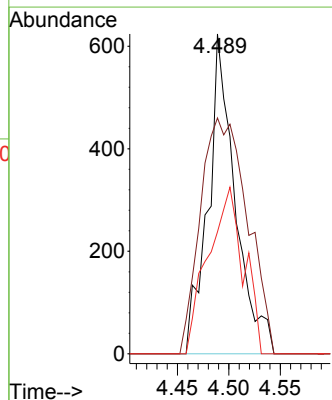
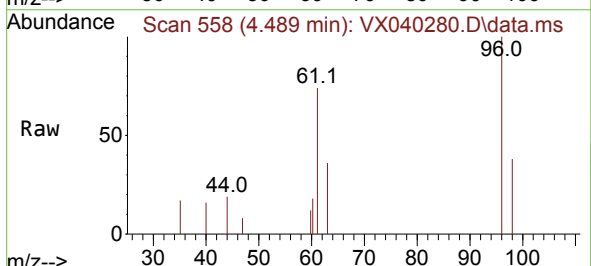
Tgt Ion: 96 Resp: 1144

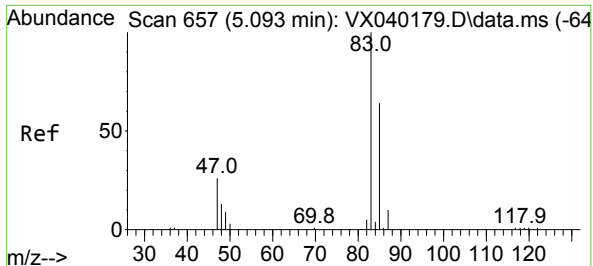
Ion Ratio Lower Upper

96 100

61 128.1 0.0 312.2

98 68.4 0.0 129.0





#30

Chloroform

Concen: 0.258 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

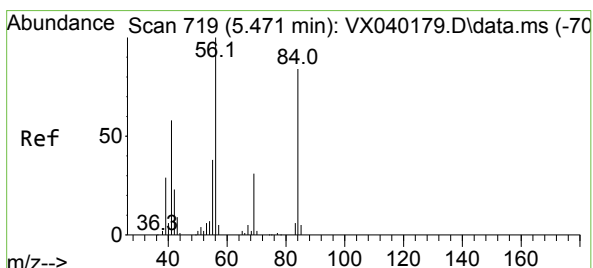
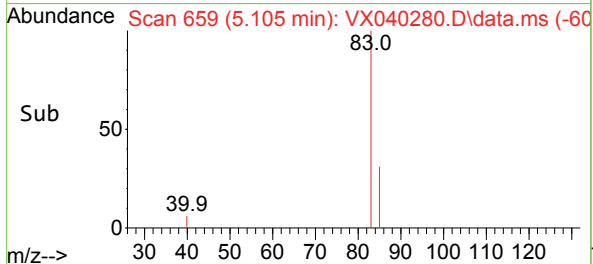
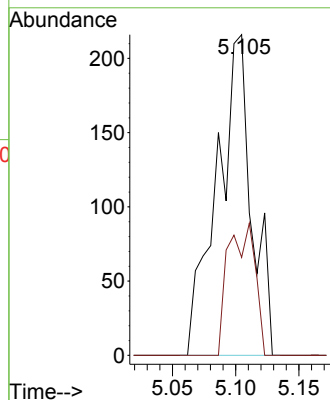
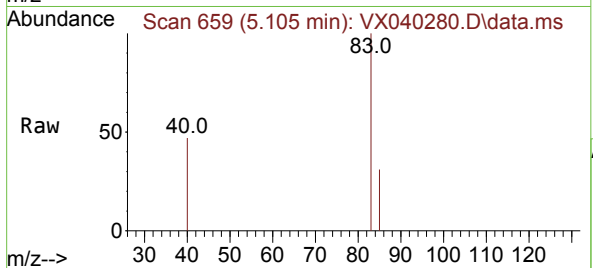
RE131D3-20240214

Tgt Ion: 83 Resp: 411

Ion Ratio Lower Upper

83 100

85 30.6 50.3 75.5#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

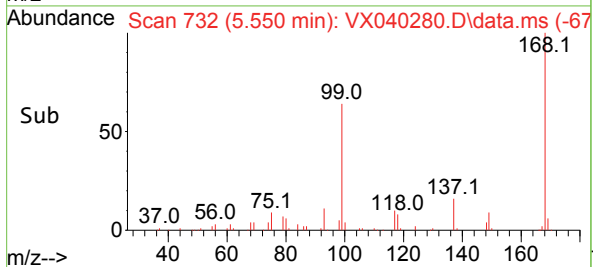
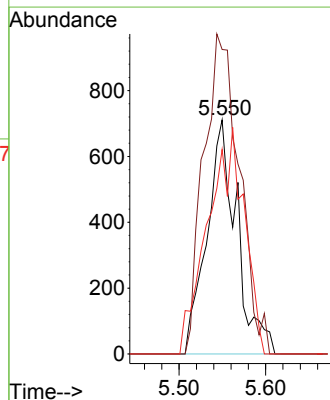
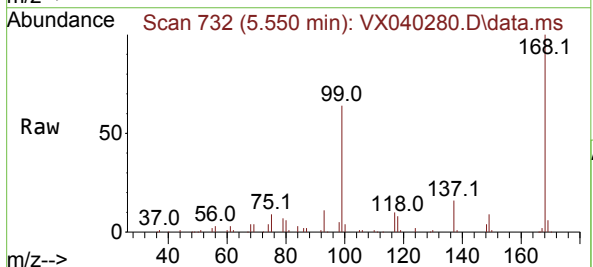
Tgt Ion: 56 Resp: 1712

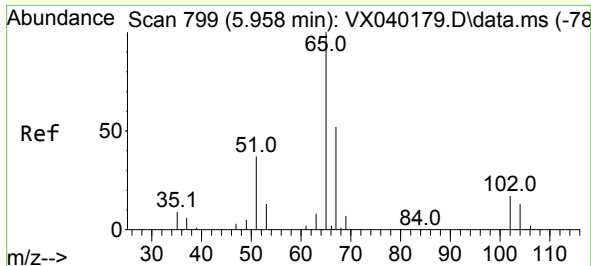
Ion Ratio Lower Upper

56 100

69 130.1 23.4 35.2#

84 87.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 45.991 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

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ClientSampleId :

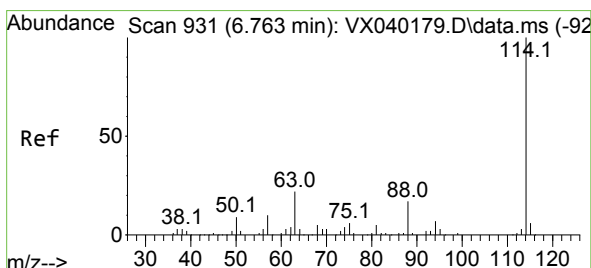
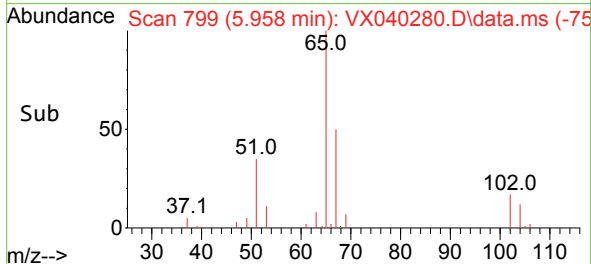
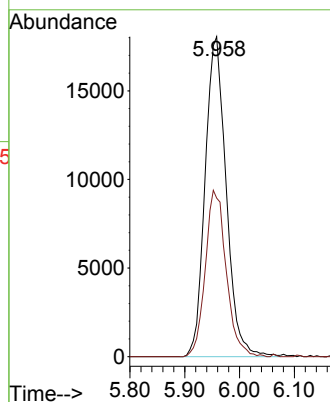
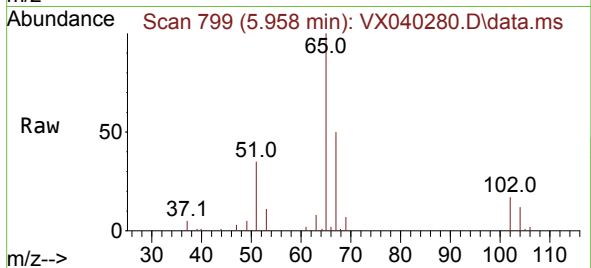
RE131D3-20240214

Tgt Ion: 65 Resp: 48107

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

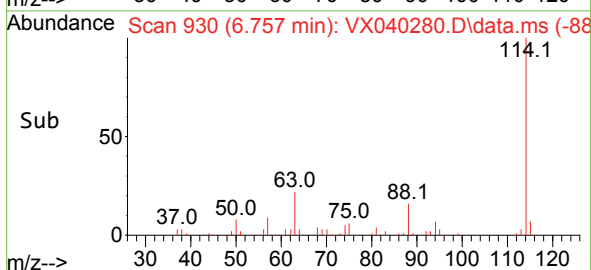
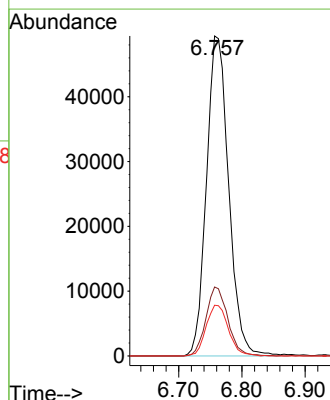
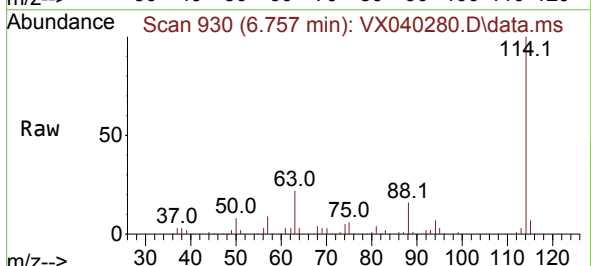
Tgt Ion:114 Resp: 120485

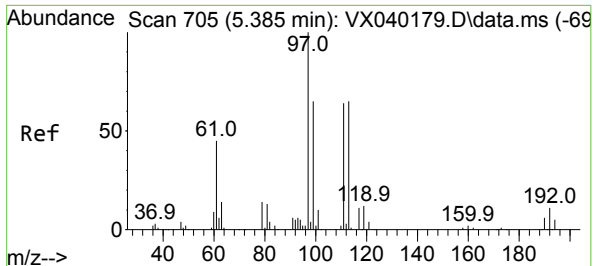
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 15.9 0.0 36.6

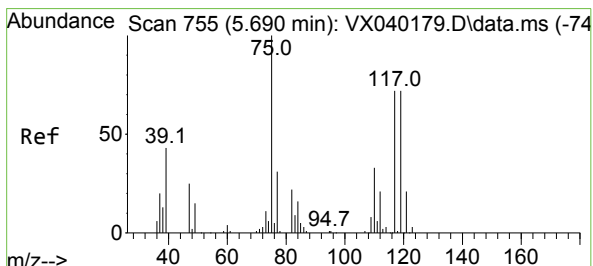
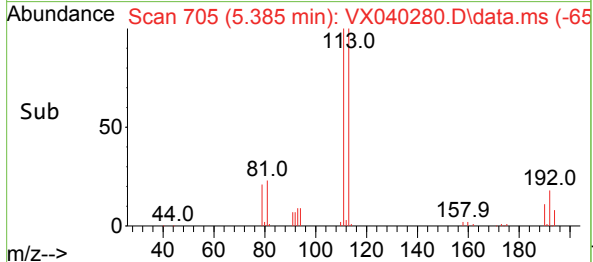
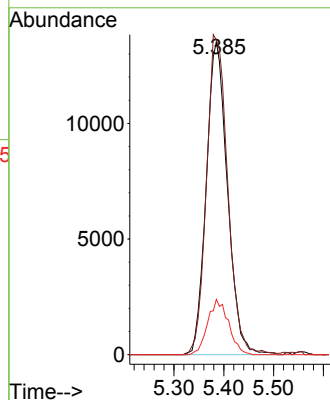
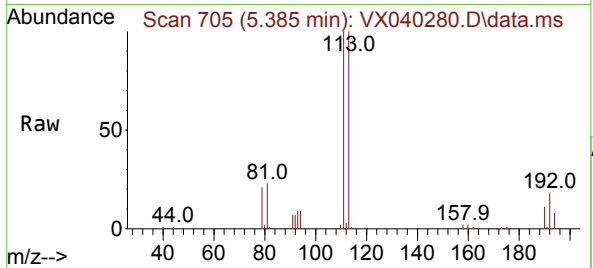




#35
Dibromofluoromethane
Concen: 47.462 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

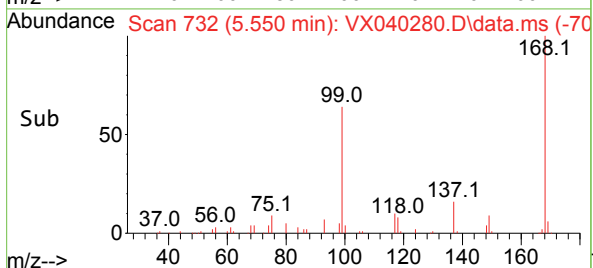
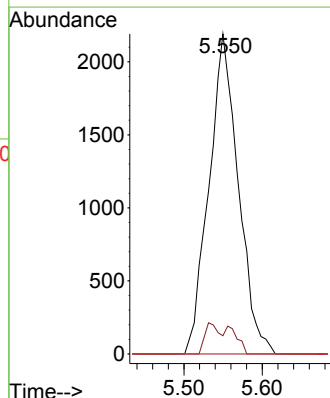
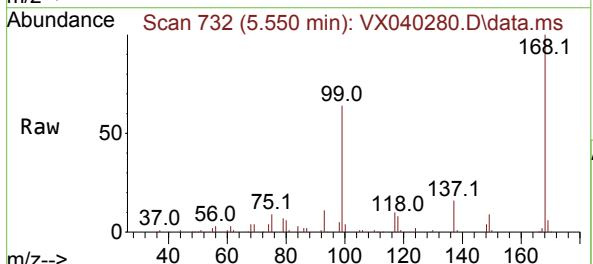
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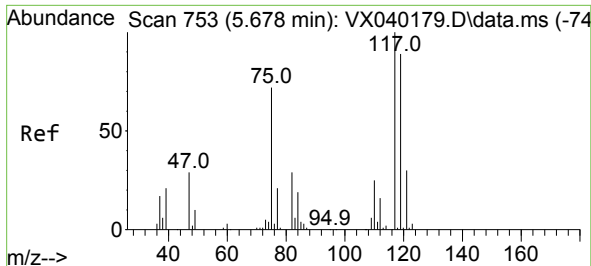
Tgt Ion:113 Resp: 39935
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

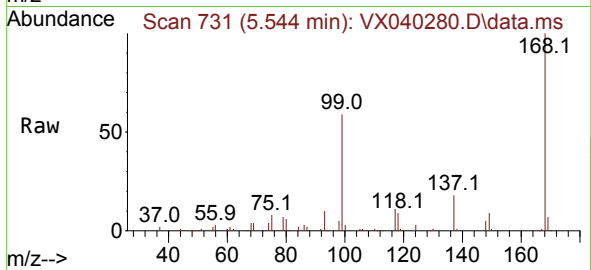
Tgt Ion: 75 Resp: 5699
Ion Ratio Lower Upper
75 100
110 5.1 17.0 50.9#
77 0.0 24.7 37.1#



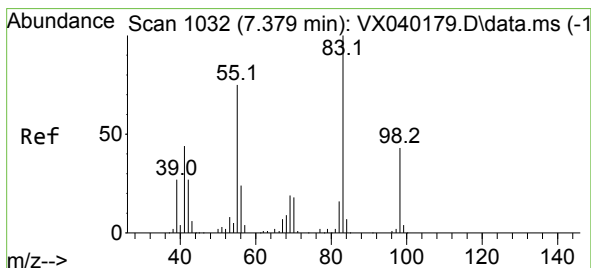
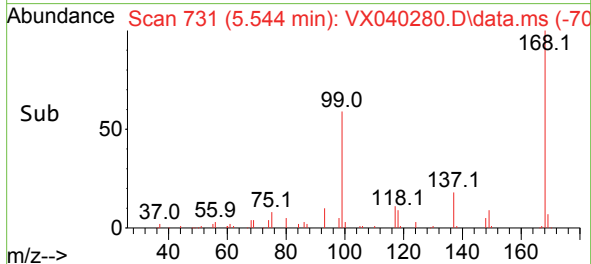
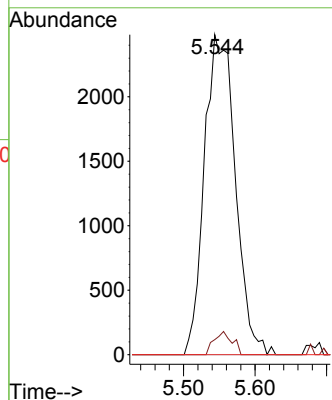


#38
Carbon Tetrachloride
Concen: 6.656 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

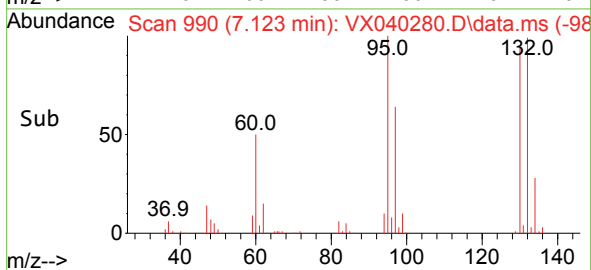
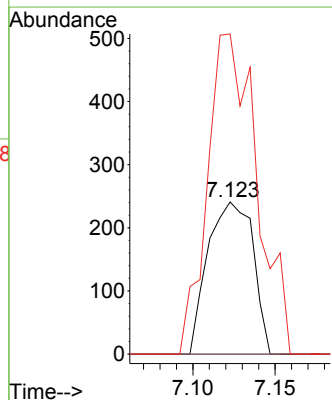
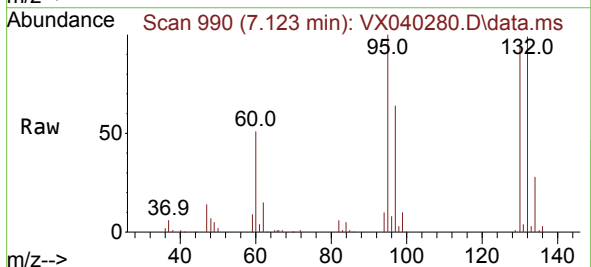


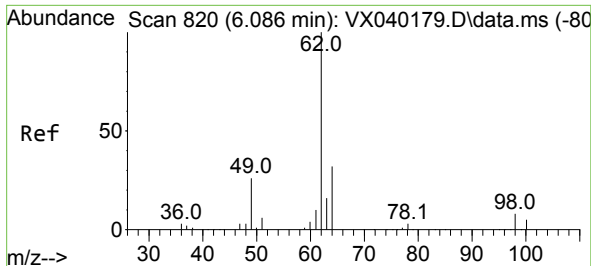
Tgt Ion:117 Resp: 7459
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.337 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 83 Resp: 461
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 210.4 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.310 ug/l

RT: 6.080 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX040280.D

Acq: 16 Feb 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

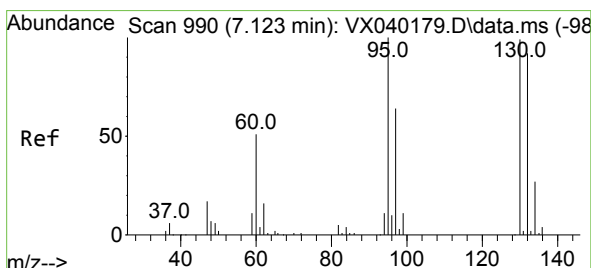
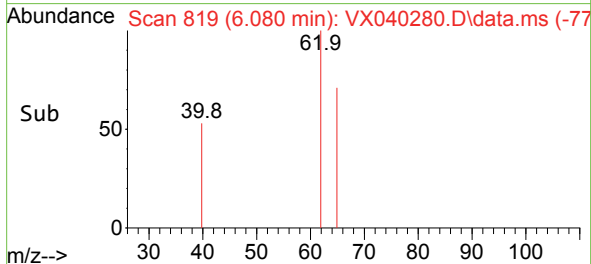
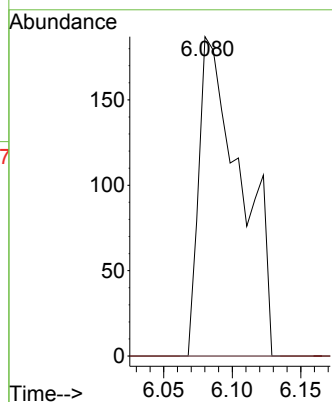
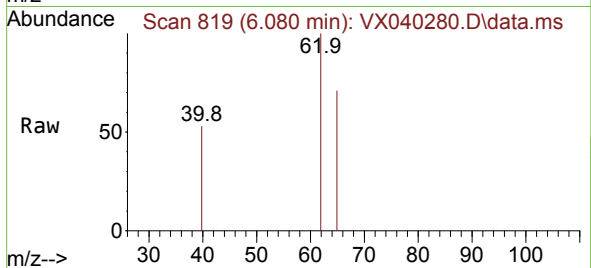
RE131D3-20240214

Tgt Ion: 62 Resp: 399

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 43.008 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX040280.D

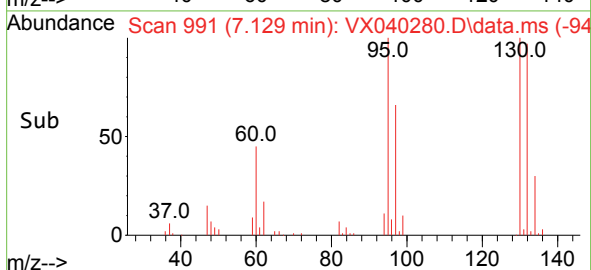
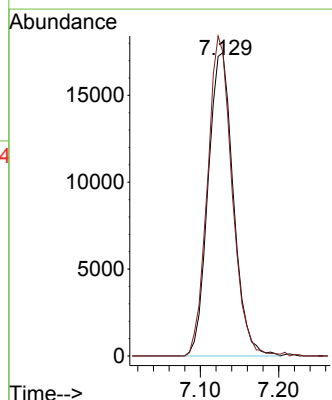
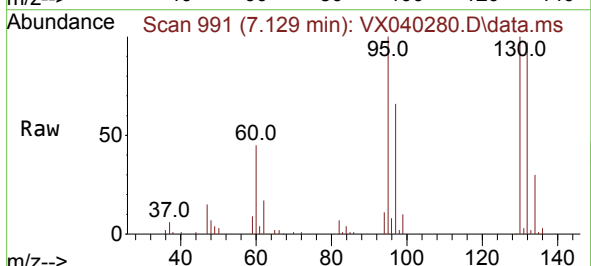
Acq: 16 Feb 2024 15:54

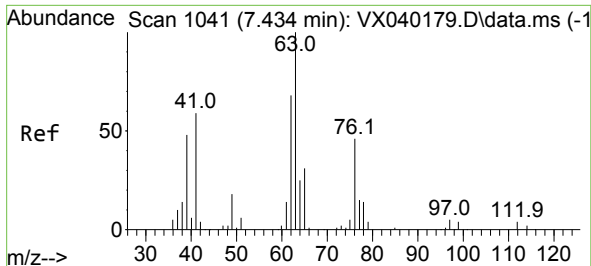
Tgt Ion:130 Resp: 39103

Ion Ratio Lower Upper

130 100

95 100.1 0.0 204.4

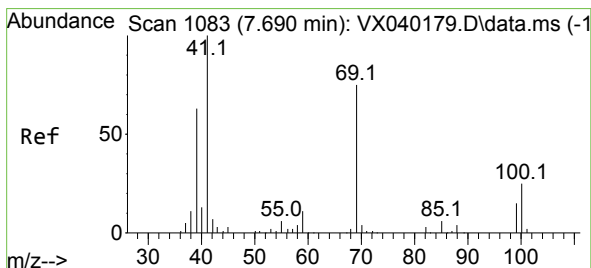
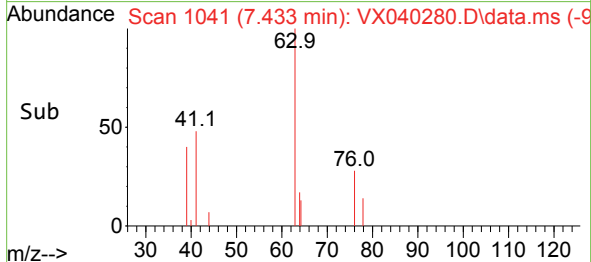
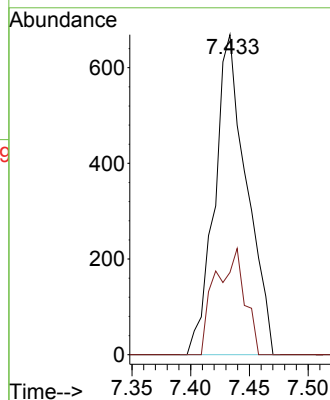
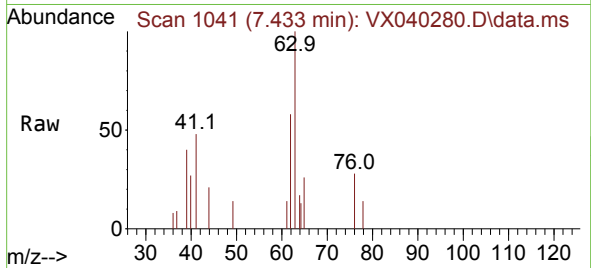




#45
1,2-Dichloropropane
Concen: 1.476 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

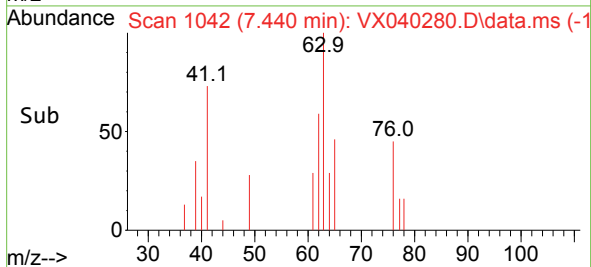
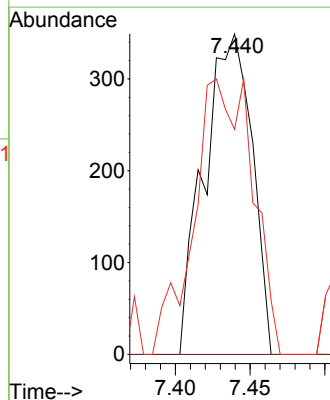
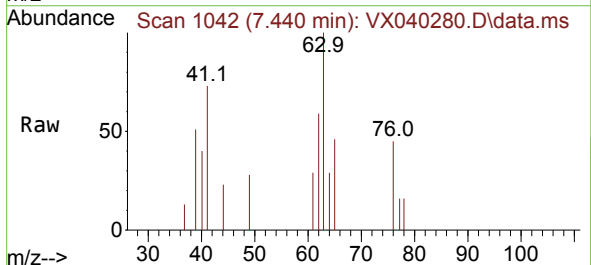
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

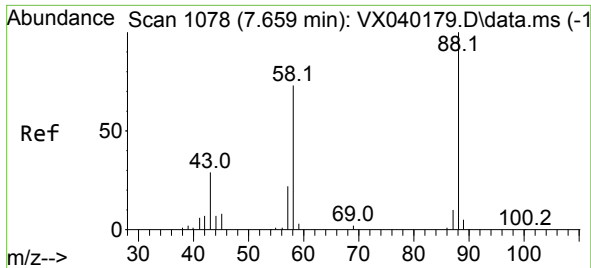
Tgt Ion: 63 Resp: 1266
Ion Ratio Lower Upper
63 100
65 25.7 24.3 36.5



#48
Methyl methacrylate
Concen: 0.745 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.256 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 41 Resp: 780
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 96.3 47.7 71.5#

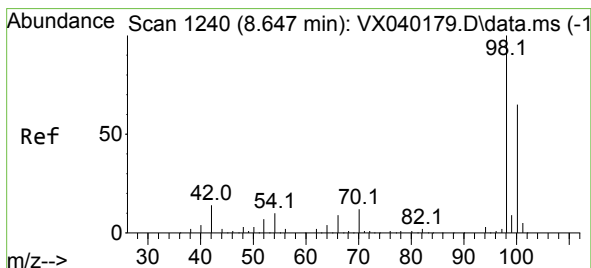
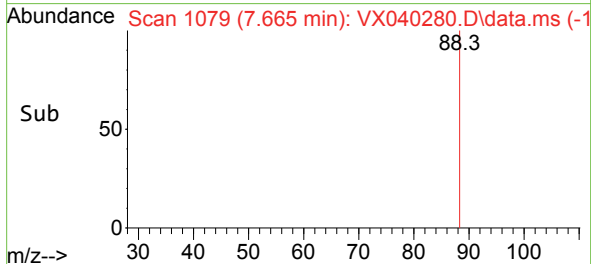
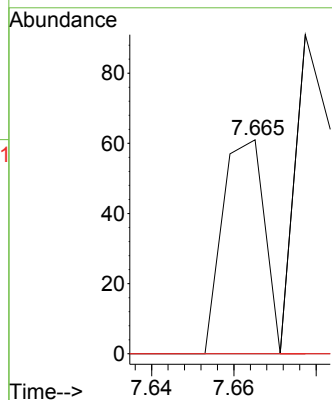
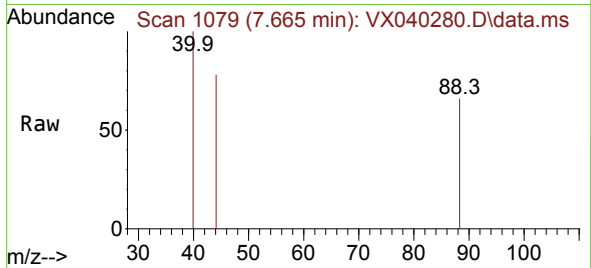




#49
1,4-Dioxane
Concen: 1.887 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

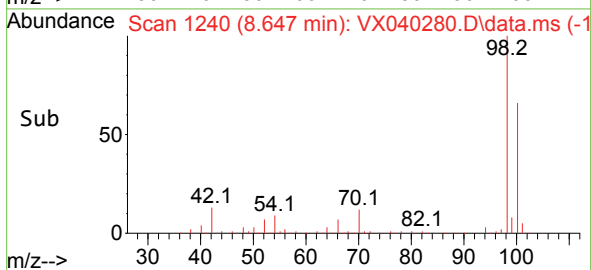
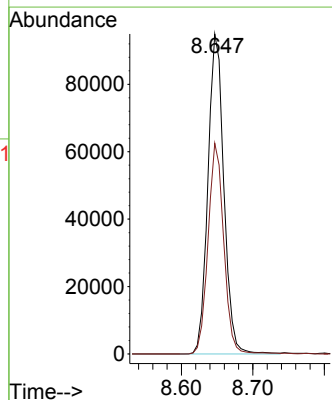
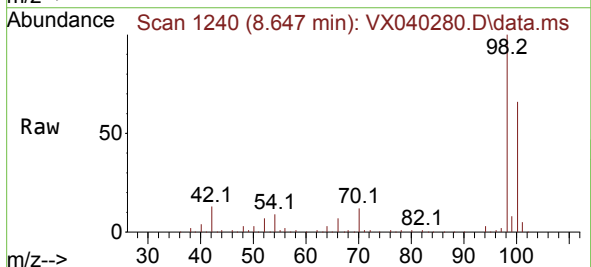
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

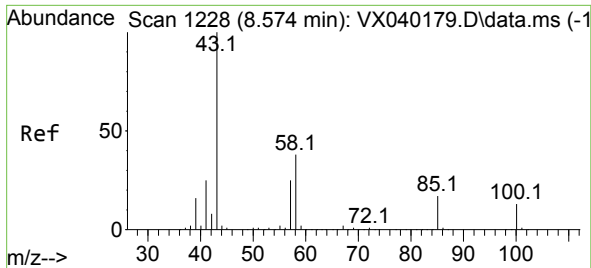
Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 46.625 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 98 Resp: 146748
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7

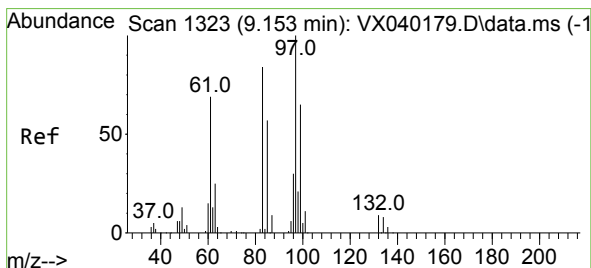
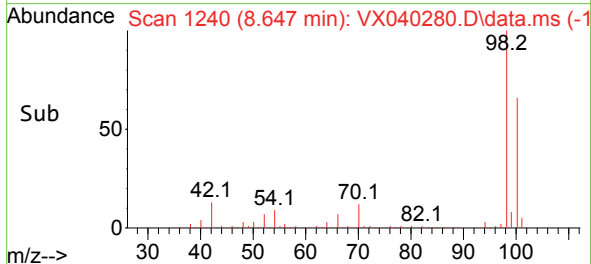
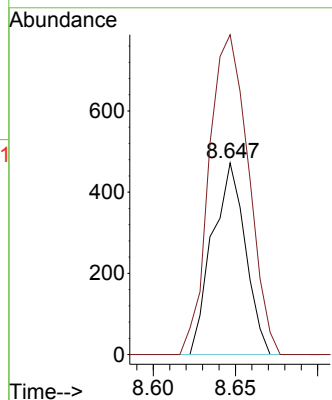
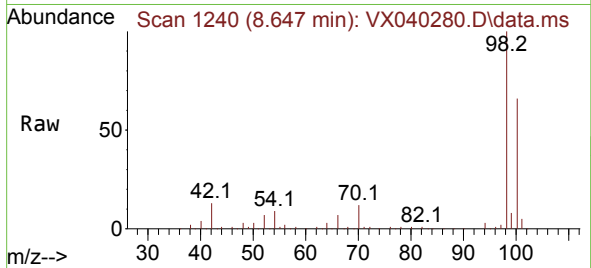




#51
4-Methyl-2-Pentanone
Concen: 0.472 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

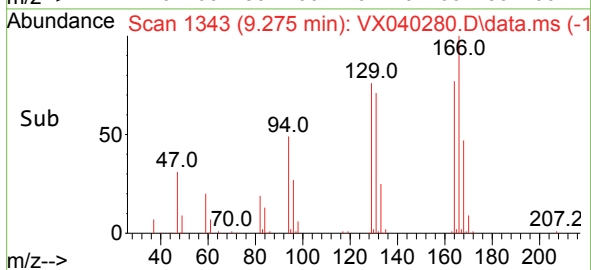
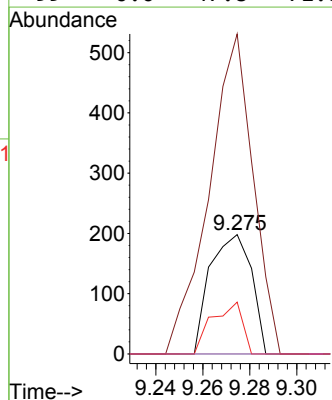
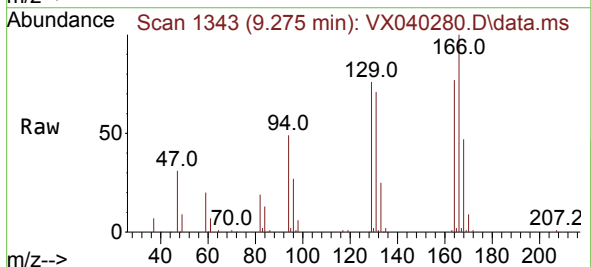
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

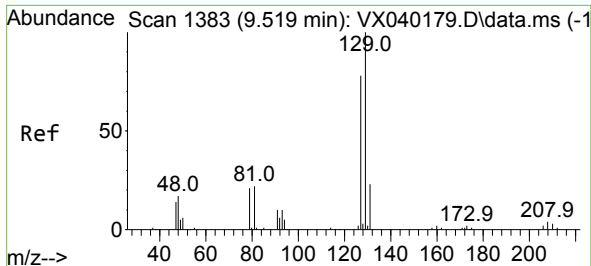
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 198.5 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.263 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 97 Resp: 242
Ion Ratio Lower Upper
97 100
83 268.2 65.8 98.8#
85 43.4 41.6 62.4
99 0.0 47.8 71.8#

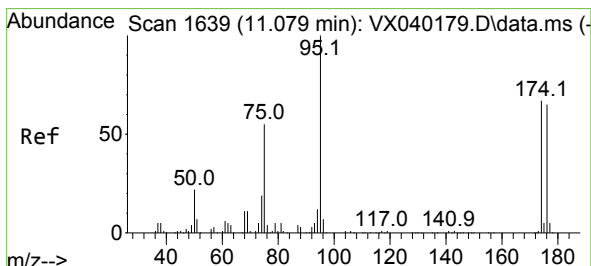
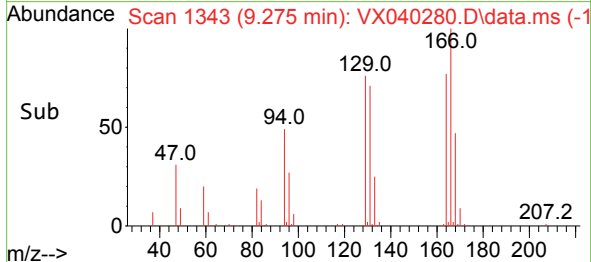
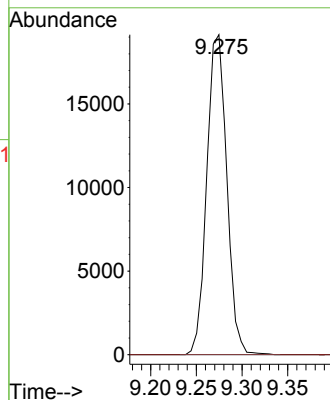
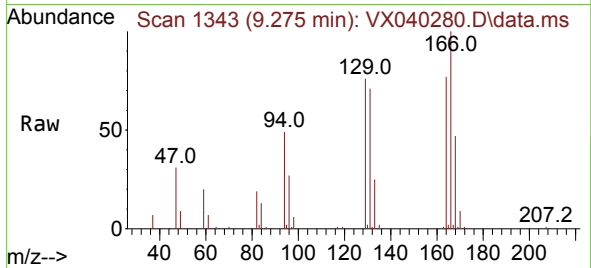




#60
Dibromochloromethane
Concen: 30.969 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

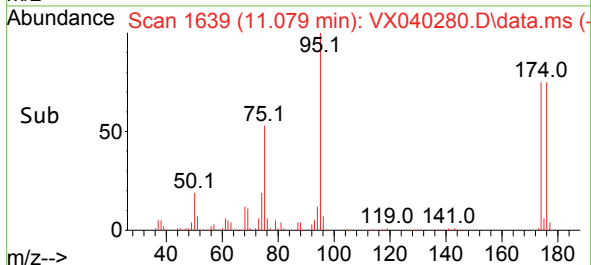
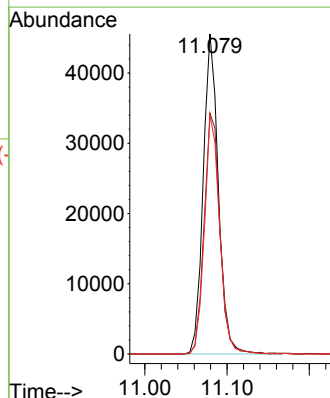
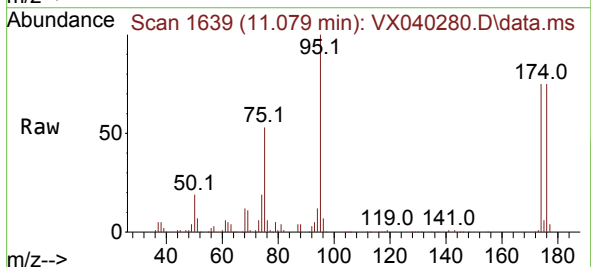
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

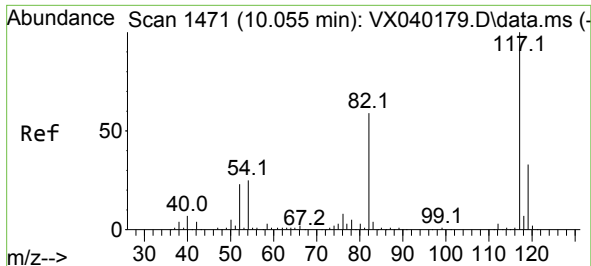
Tgt Ion:129 Resp: 29054
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion: 95 Resp: 58300
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 74.8 0.0 131.0

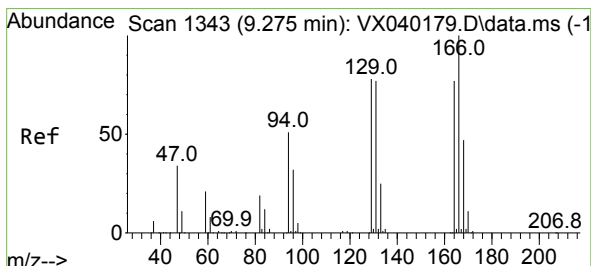
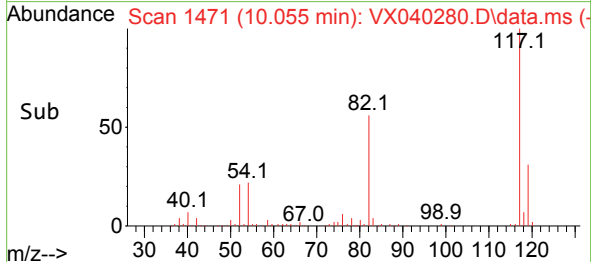
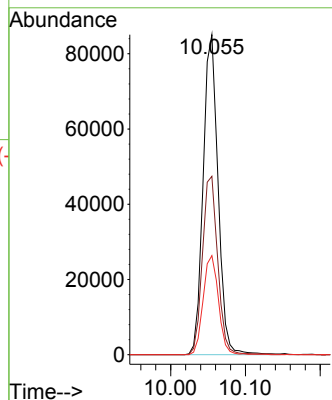
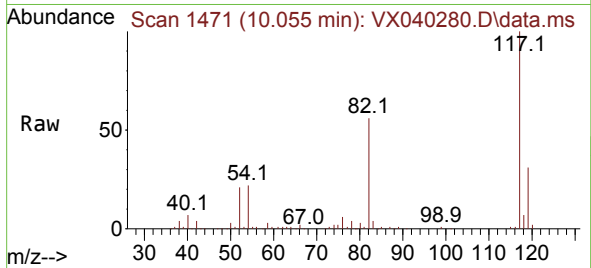




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

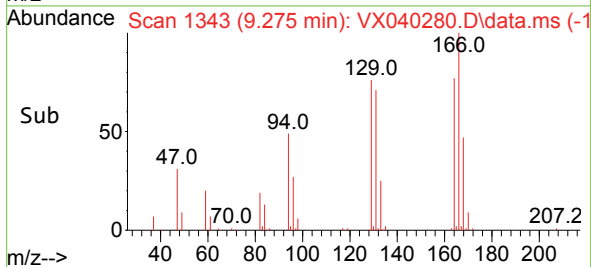
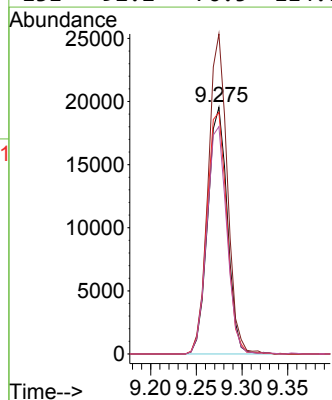
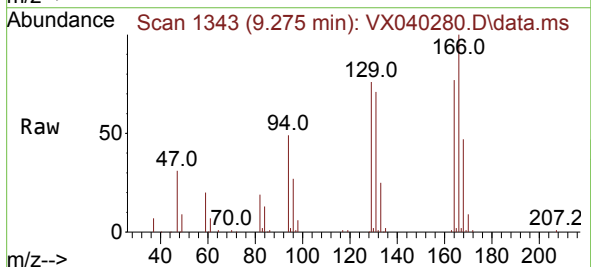
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214

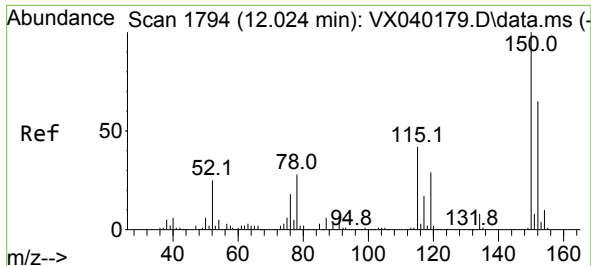
Tgt Ion:117 Resp: 118105
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.0 25.5 38.3



#64
Tetrachloroethene
Concen: 35.010 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Tgt Ion:164 Resp: 28976
Ion Ratio Lower Upper
164 100
166 129.8 102.7 154.1
129 98.0 80.4 120.6
131 92.2 76.5 114.7

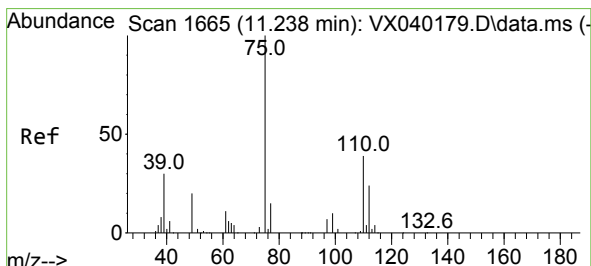
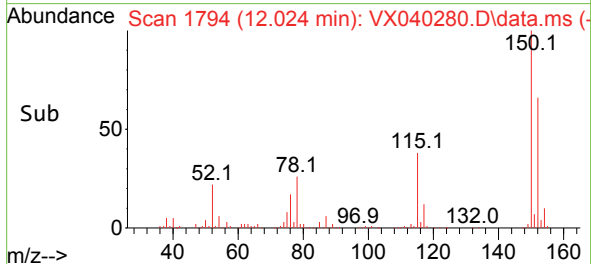
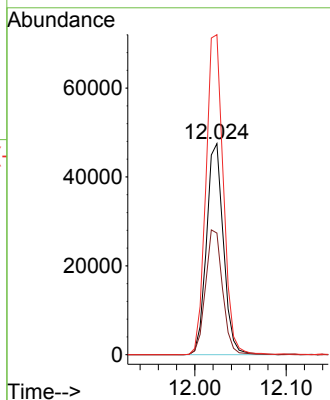
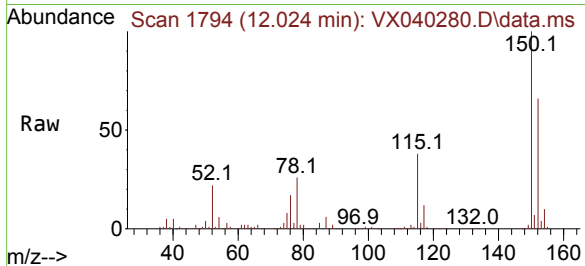




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040280.D
 Acq: 16 Feb 2024 15:54

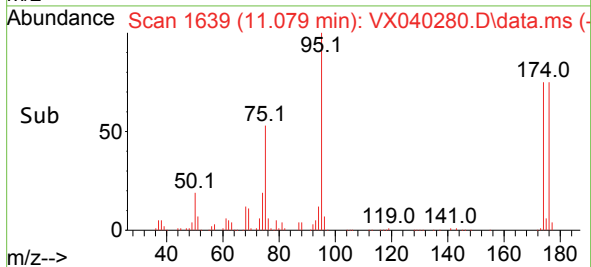
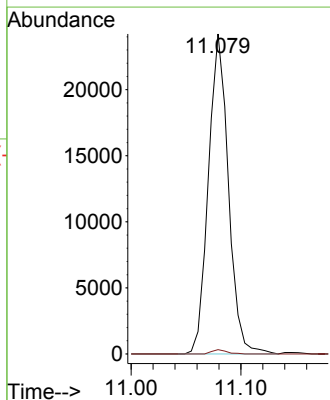
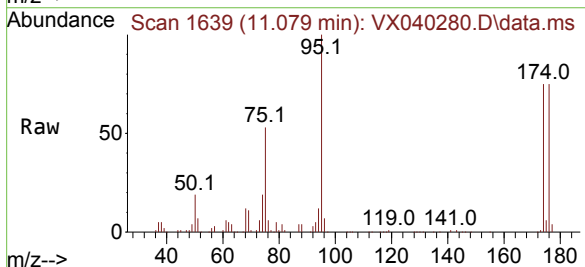
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20240214

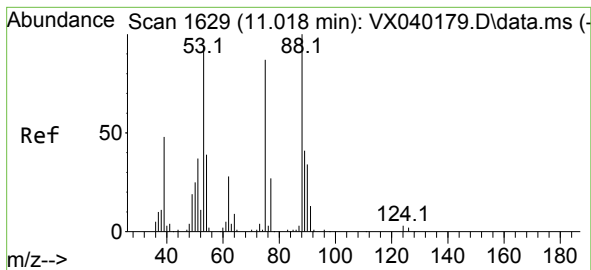
Tgt Ion:152 Resp: 60999
 Ion Ratio Lower Upper
 152 100
 115 59.7 43.3 129.9
 150 155.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.833 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040280.D
 Acq: 16 Feb 2024 15:54

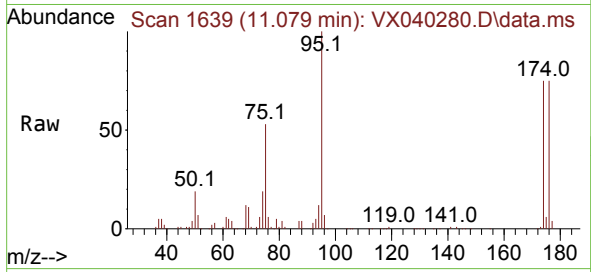
Tgt Ion: 75 Resp: 30675
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.333 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040280.D
Acq: 16 Feb 2024 15:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20240214



Tgt Ion: 75 Resp: 30675
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

