

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030882.D
 Acq On : 27 Aug 2022 19:48
 Operator : JC/MD
 Sample : N4297-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20220821

Quant Time: Aug 29 01:11:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

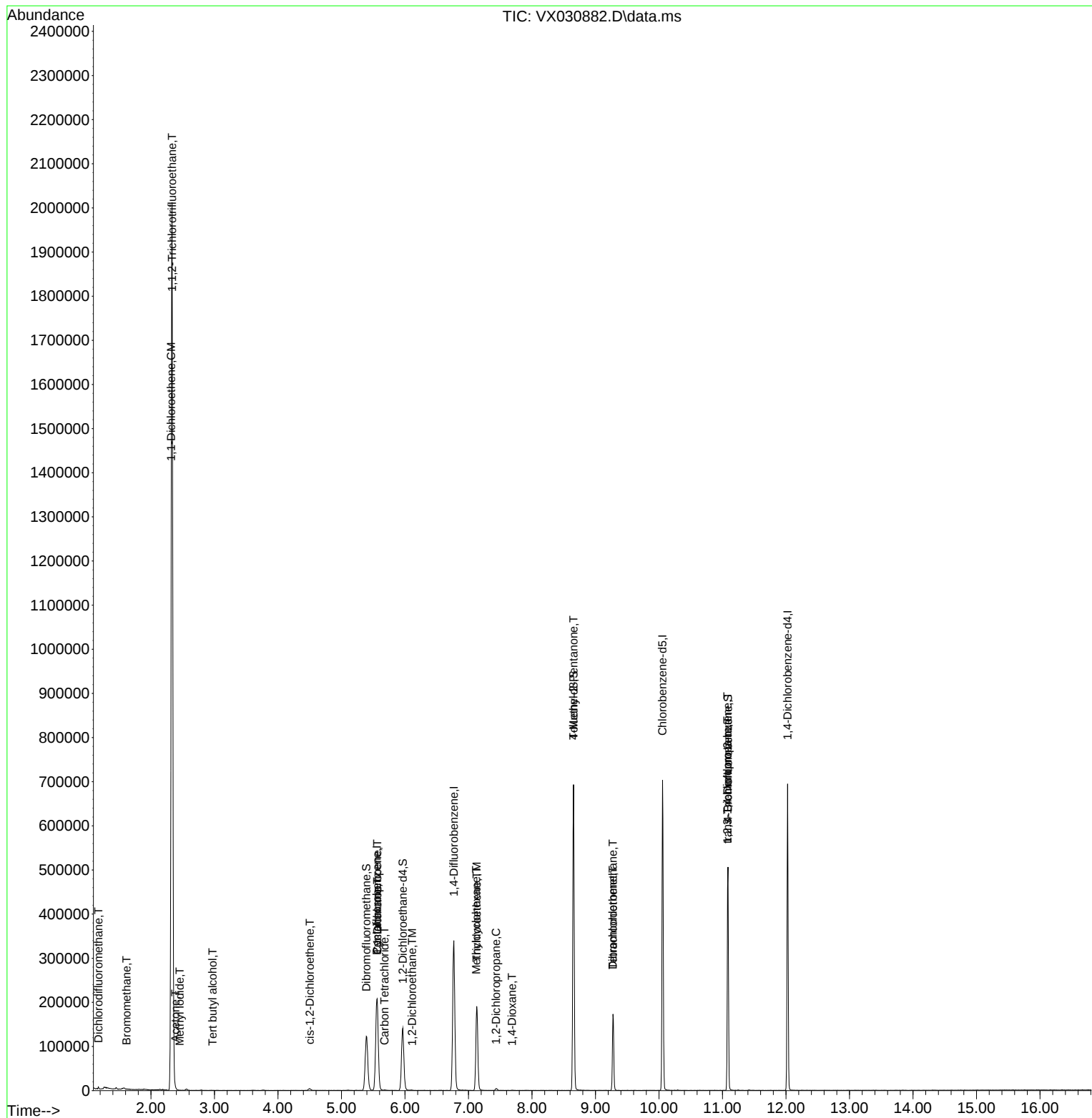
Internal Standards						
1) Pentafluorobenzene	5.556	168	192628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	337824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134178	59.218	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.440%	
35) Dibromofluoromethane	5.391	113	107460	51.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.520%	
50) Toluene-d8	8.653	98	405810	56.091	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.180%	
62) 4-Bromofluorobenzene	11.085	95	135505	50.307	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	476	0.267	ug/l	85
3) Chloromethane	1.288	50	432	Below Cal	#	70
4) Vinyl Chloride	1.380	62	45	Below Cal		90
5) Bromomethane	1.618	94	270	0.301	ug/l #	60
6) Chloroethane	1.679	64	94	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	789448	420.843	ug/l	97
10) Methyl Iodide	2.453	142	25	4.044	ug/l #	45
11) Tert butyl alcohol	2.971	59	236	0.480	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	5501	3.150	ug/l #	89
16) Acetone	2.386	43	1206	1.152	ug/l	88
17) Carbon Disulfide	2.508	76	51	Below Cal	#	74
20) Methylene Chloride	2.794	84	439	Below Cal		95
27) cis-1,2-Dichloroethene	4.501	96	2736	1.181	ug/l	92
31) Cyclohexane	5.562	56	4369	1.508	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16751	5.925	ug/l #	48
38) Carbon Tetrachloride	5.678	117	696	0.233	ug/l #	76
39) Methylcyclohexane	7.123	83	1124	0.332	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	1082	0.361	ug/l #	73
44) Trichloroethene	7.129	130	72706	29.752	ug/l	85
45) 1,2-Dichloropropane	7.434	63	1895	0.810	ug/l	98
49) 1,4-Dioxane	7.684	88	368	5.929	ug/l #	66
51) 4-Methyl-2-Pentanone	8.653	43	1942	0.571	ug/l #	1
60) Dibromochloromethane	9.275	129	31997	13.078	ug/l #	11
64) Tetrachloroethene	9.275	164	31835	13.156	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	69663	23.737	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69663	76.586	ug/l #	13

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

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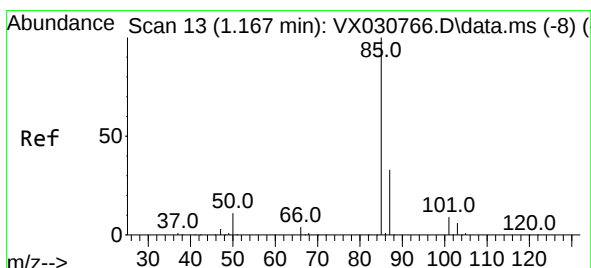
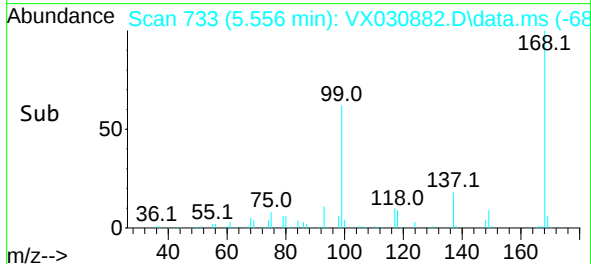
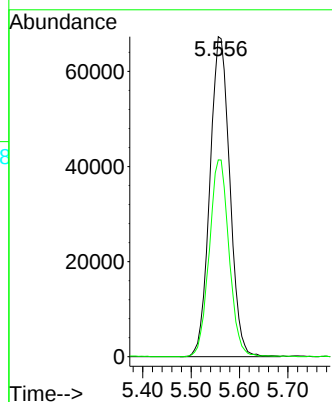
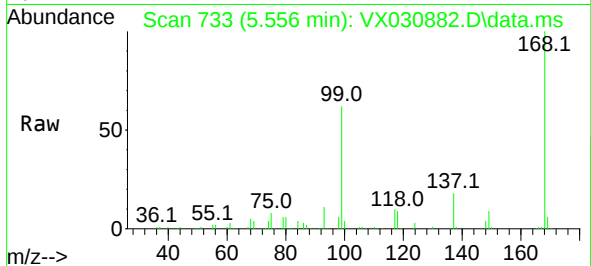




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

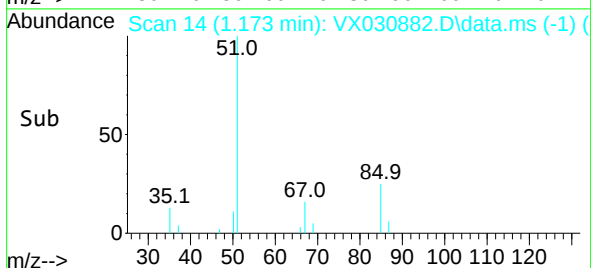
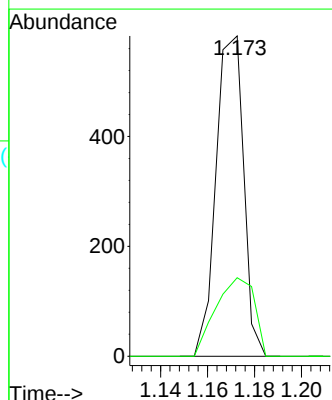
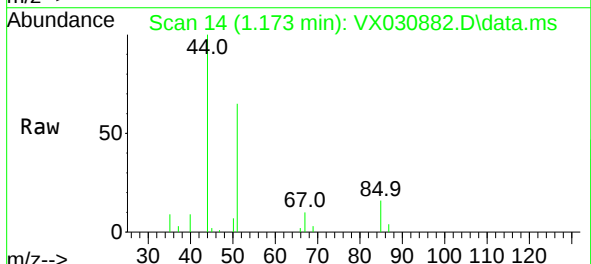
Instrument :
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RE131D3-20220821

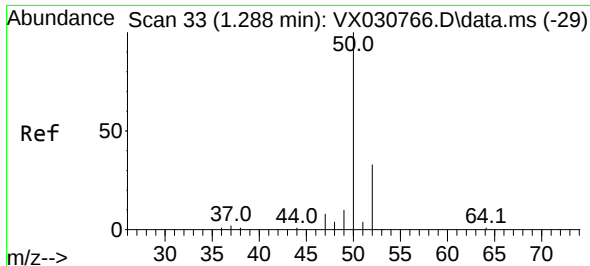
Tgt Ion:168 Resp: 192628
Ion Ratio Lower Upper
168 100
99 61.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.267 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 85 Resp: 476
Ion Ratio Lower Upper
85 100
87 24.5 16.5 49.5

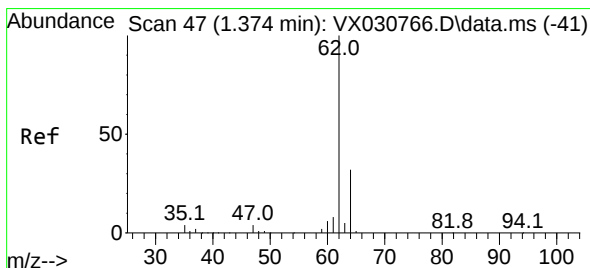
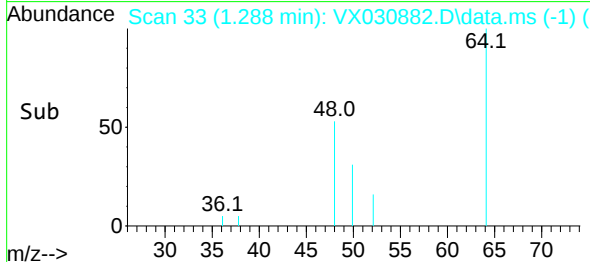
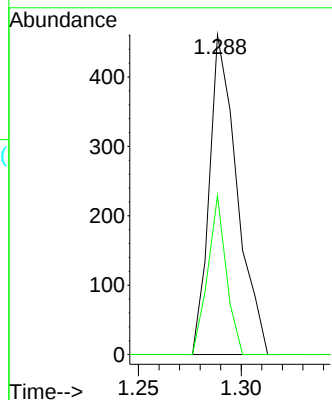
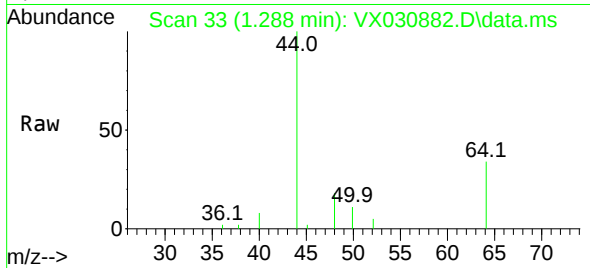




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

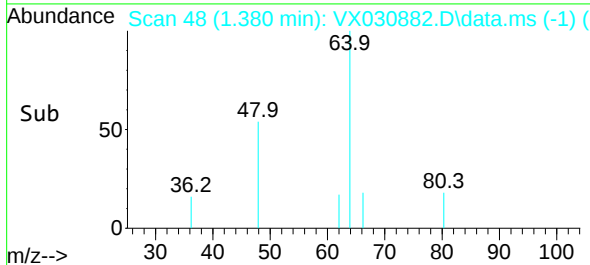
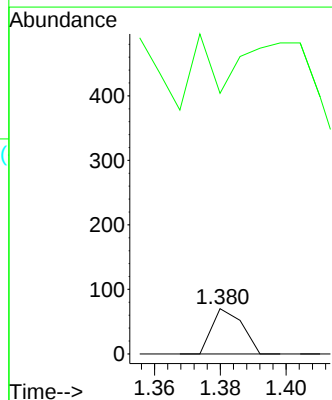
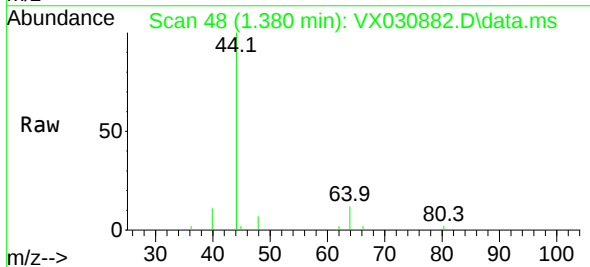
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

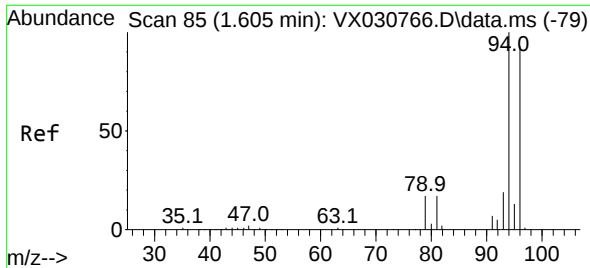
Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 49.7 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.380 min Scan# 48
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 62 Resp: 45
Ion Ratio Lower Upper
62 100
64 37.1 25.2 37.8

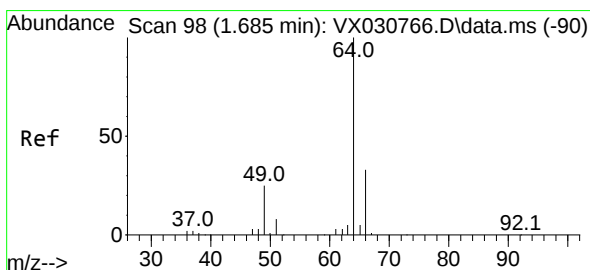
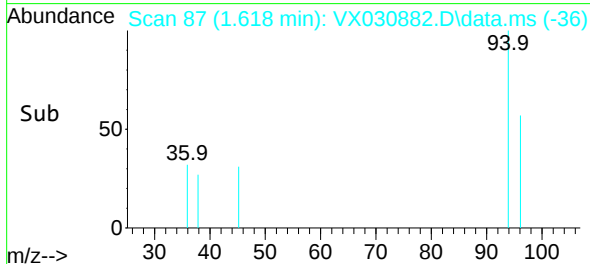
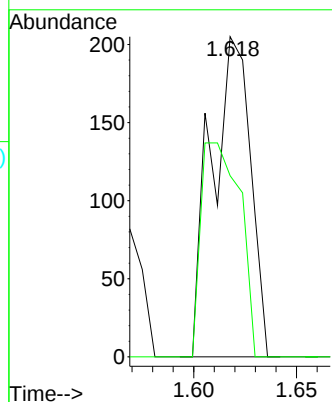
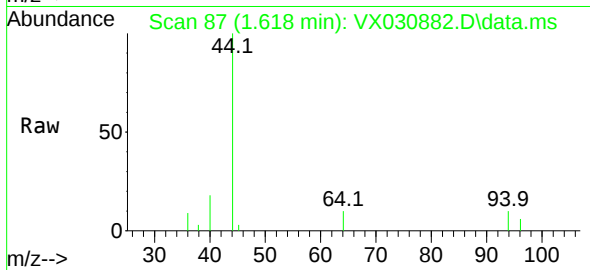




#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

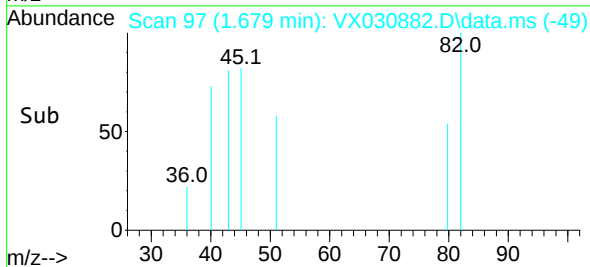
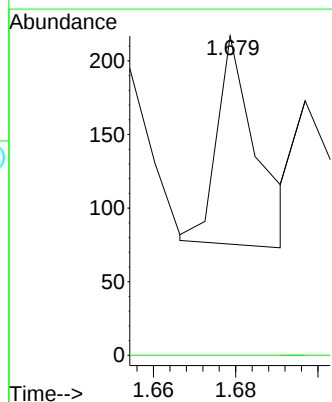
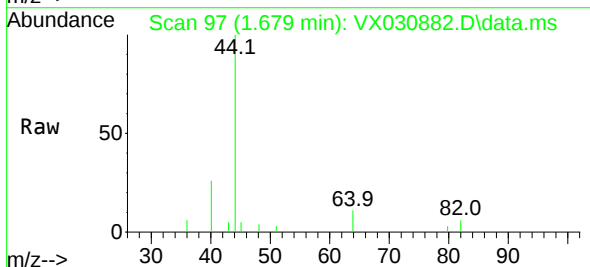
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

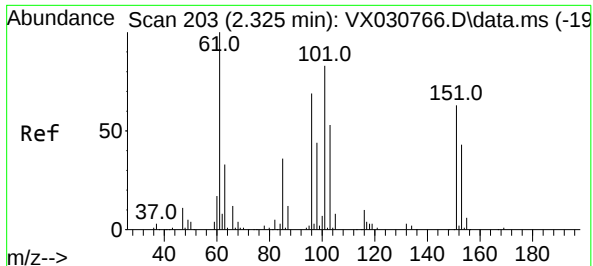
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 56.6 76.9 115.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

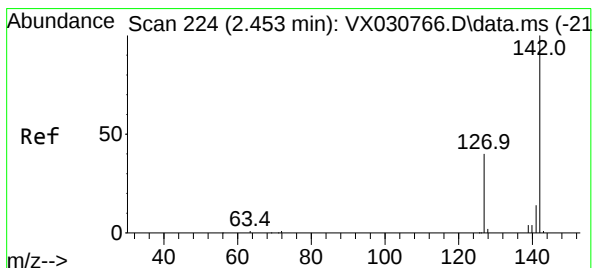
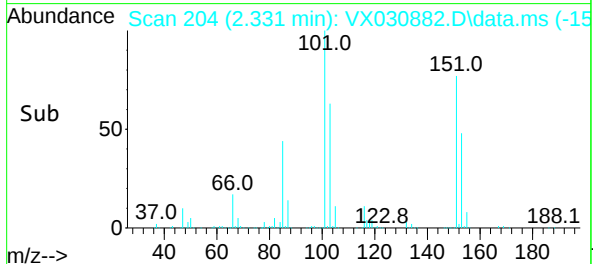
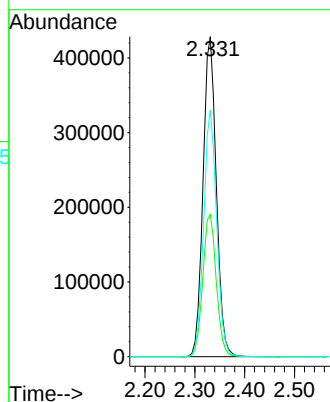
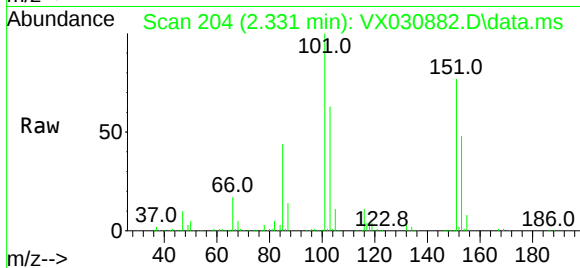




#9
1,1,2-Trichlorotrifluoroethane
Concen: 420.843 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

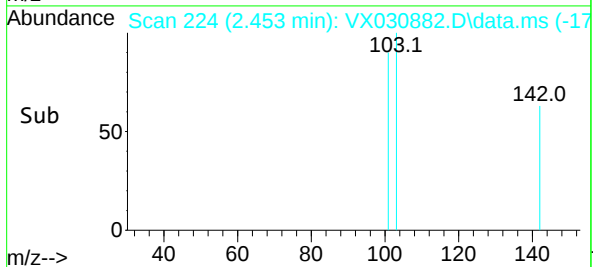
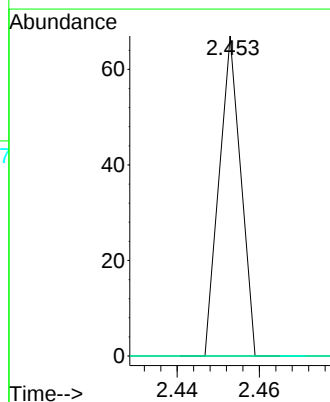
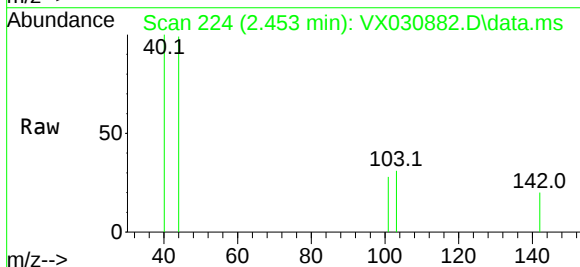
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

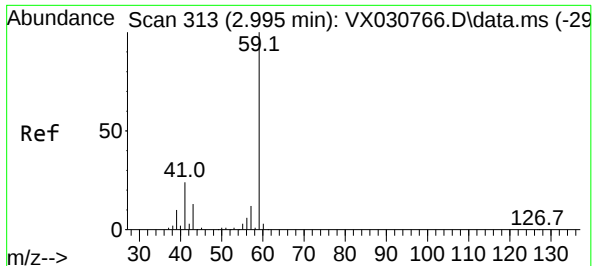
Tgt Ion:101 Resp: 789448
Ion Ratio Lower Upper
101 100
85 45.3 34.0 51.0
151 76.2 59.4 89.0



#10
Methyl Iodide
Concen: 4.044 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.480 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

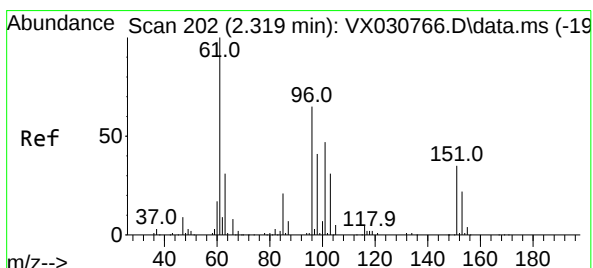
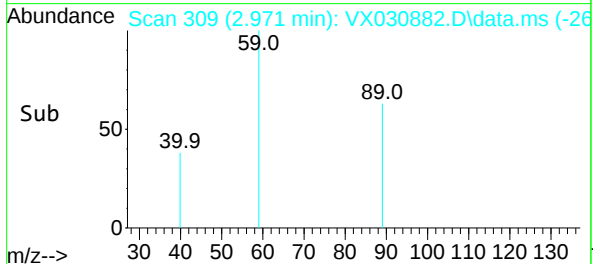
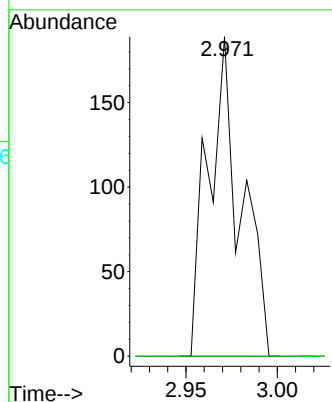
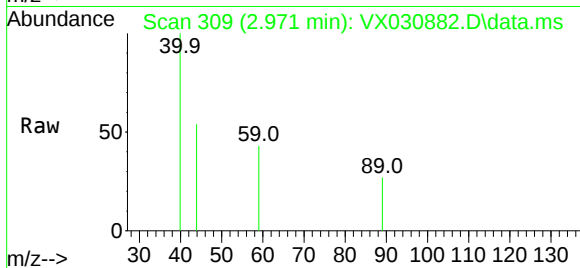
RE131D3-20220821

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 3.150 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

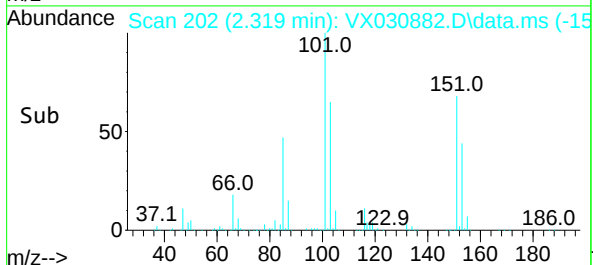
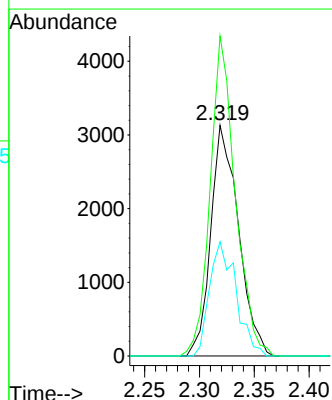
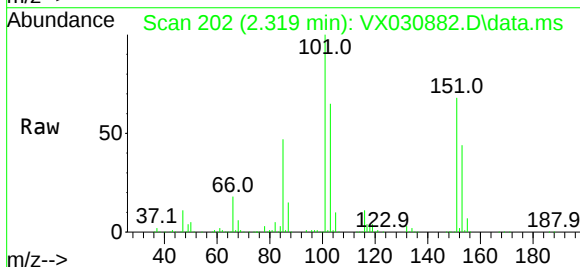
Tgt Ion: 96 Resp: 5501

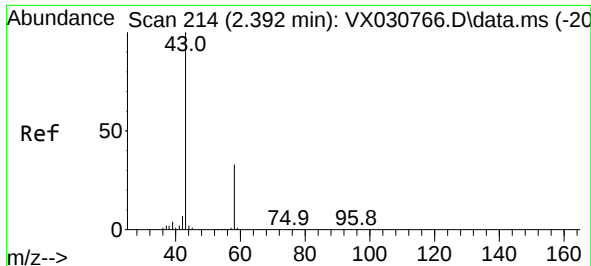
Ion Ratio Lower Upper

96 100

61 138.8 117.4 176.0

98 49.5 52.2 78.4#

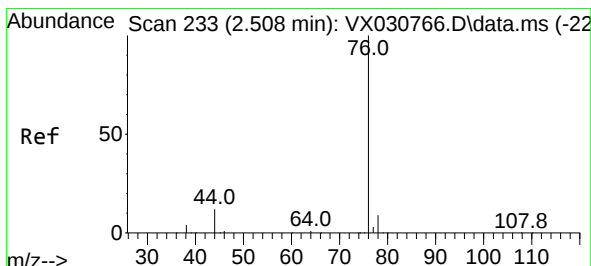
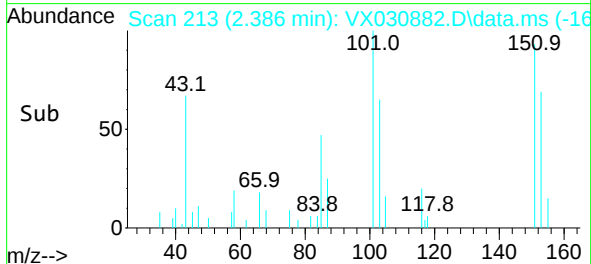
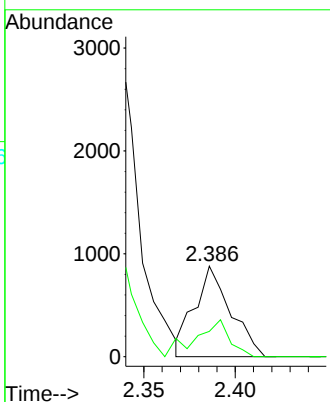
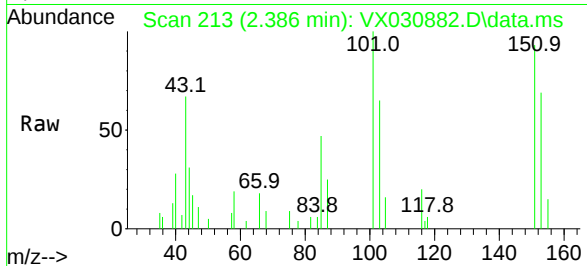




#16
Acetone
Concen: 1.152 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

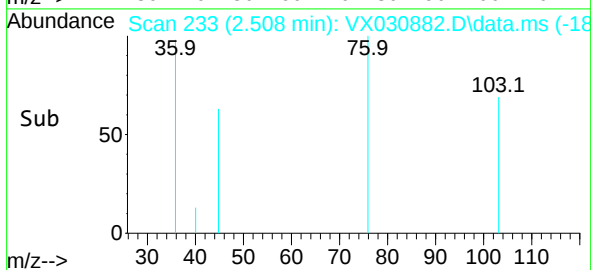
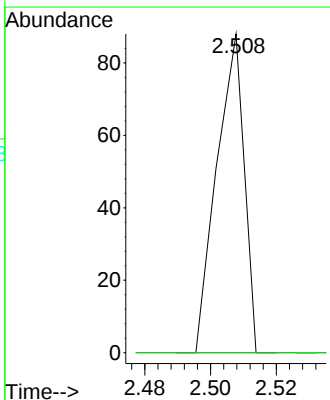
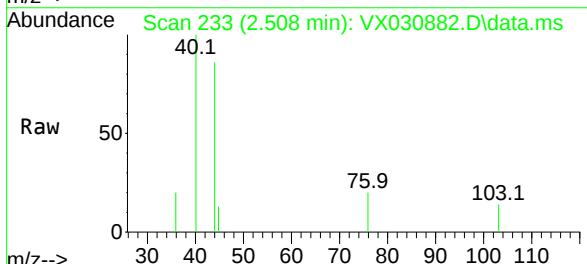
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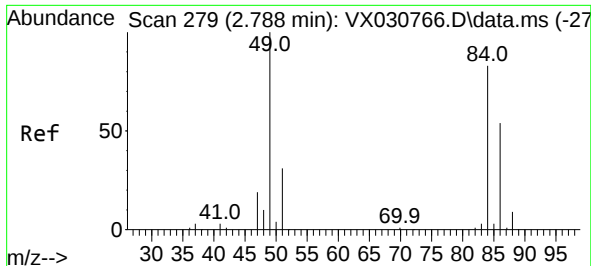
Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
58 27.9 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 76 Resp: 51
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

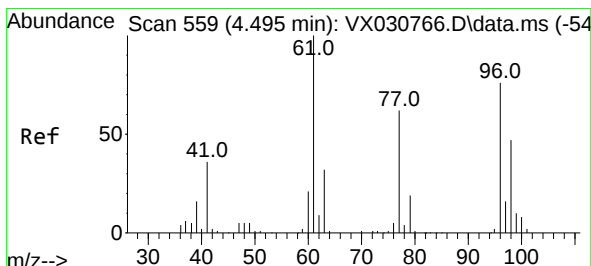
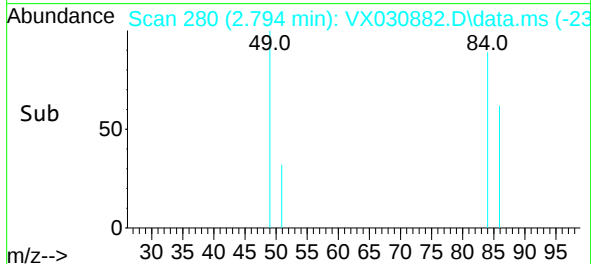
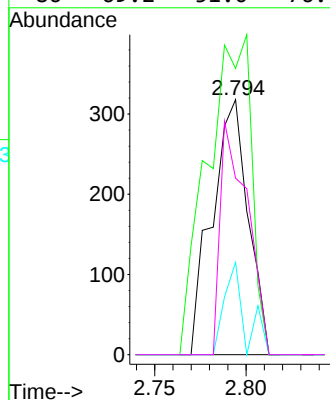
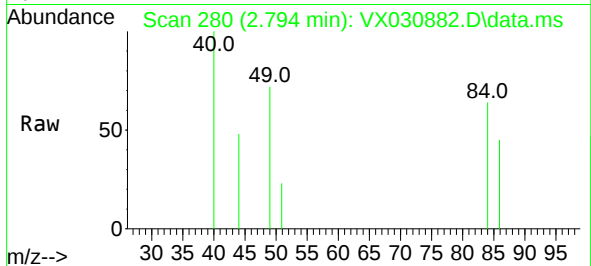




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

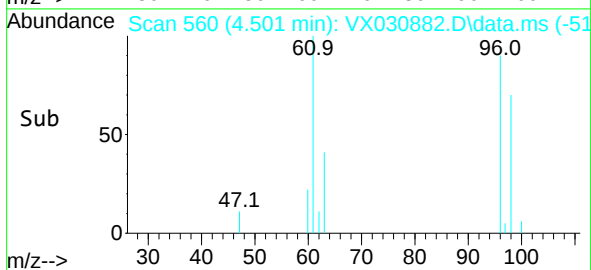
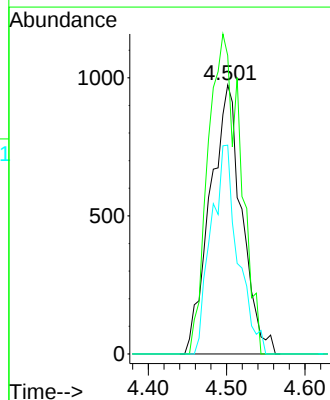
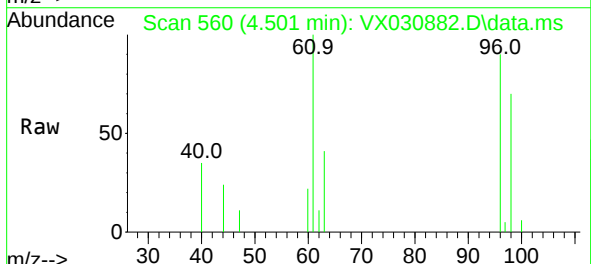
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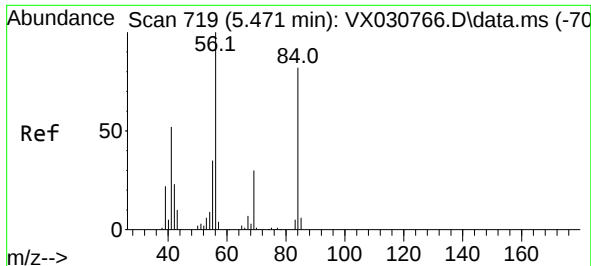
Tgt Ion: 84	Resp:	439	
Ion	Ratio	Lower	Upper
84	100		
49	112.3	93.8	140.6
51	36.2	29.4	44.0
86	69.2	51.0	76.4



#27
cis-1,2-Dichloroethene
Concen: 1.181 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

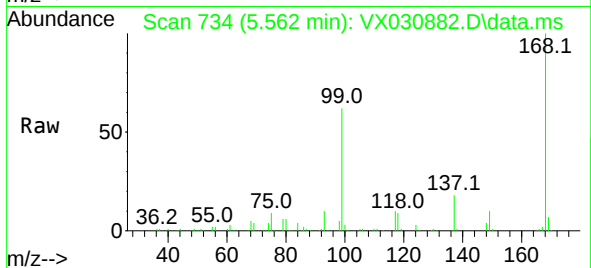
Tgt Ion: 96	Resp:	2736	
Ion	Ratio	Lower	Upper
96	100		
61	121.7	0.0	270.0
98	65.6	0.0	127.8



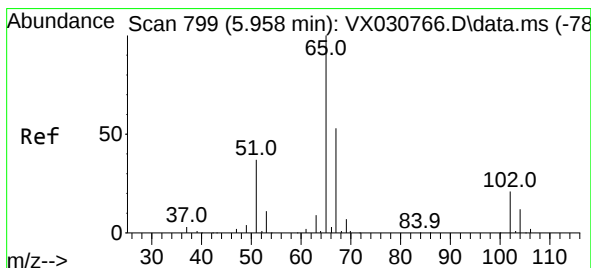
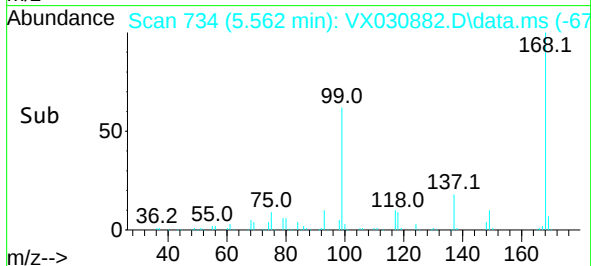
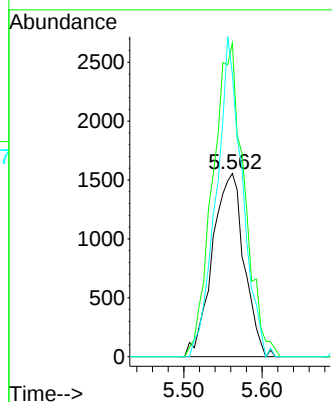


#31
Cyclohexane
Concen: 1.508 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

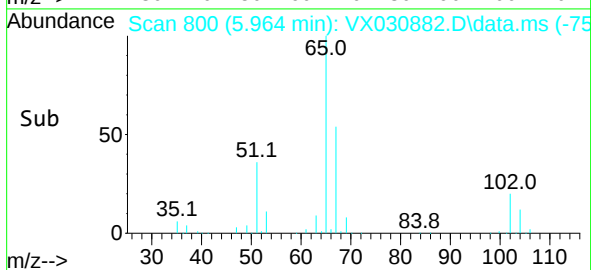
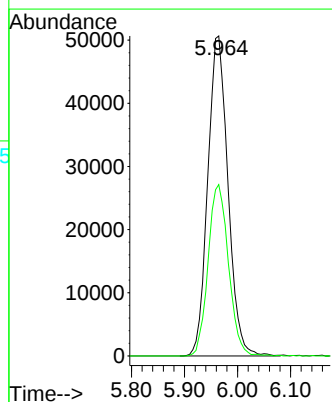
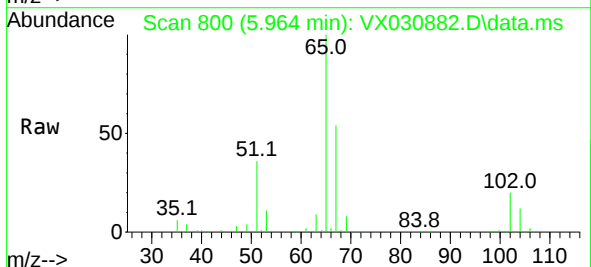


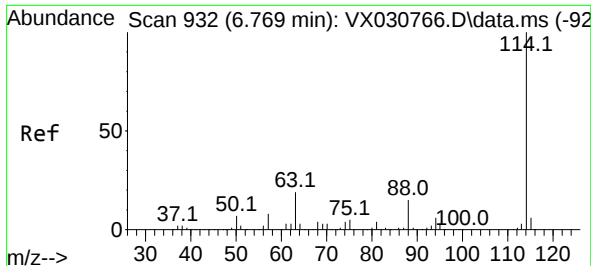
Tgt Ion: 56 Resp: 4369
Ion Ratio Lower Upper
56 100
69 171.2 25.4 38.0#
84 154.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.218 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 65 Resp: 134178
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6

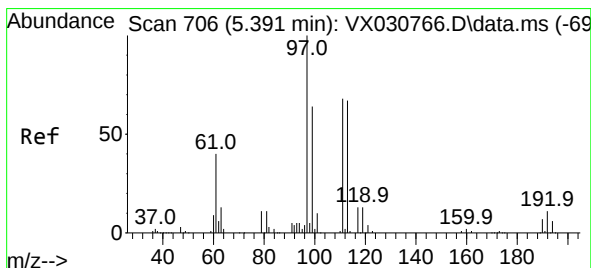
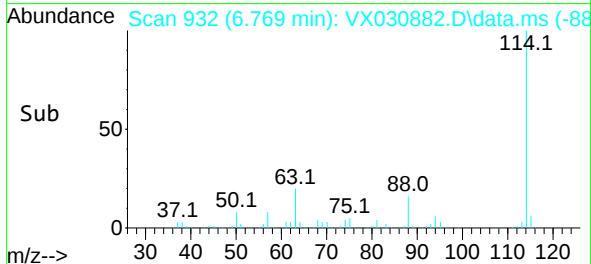
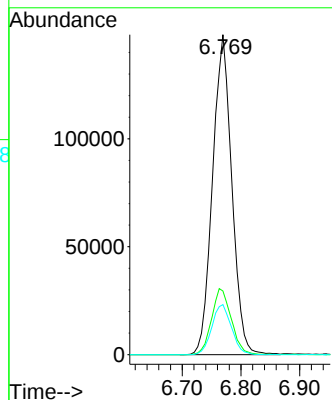
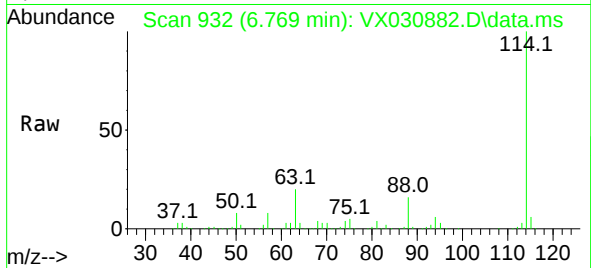




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

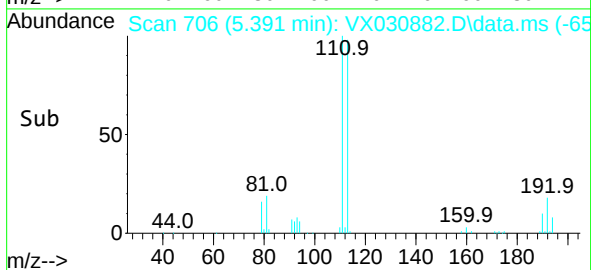
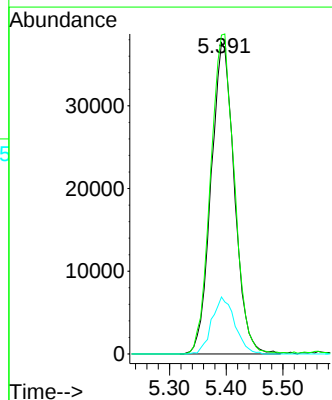
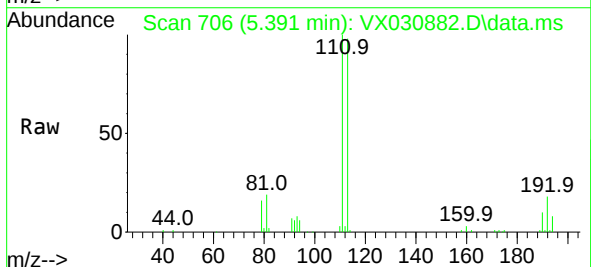
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

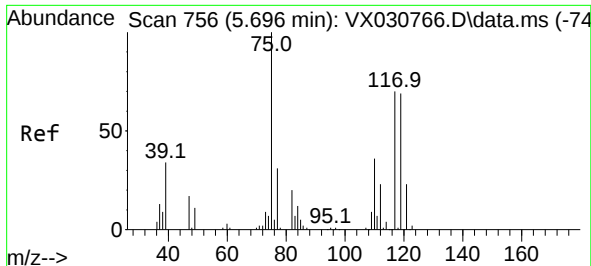
Tgt Ion:114 Resp: 337824
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.758 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion:113 Resp: 107460
Ion Ratio Lower Upper
113 100
111 104.9 83.2 124.8
192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.925 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220821

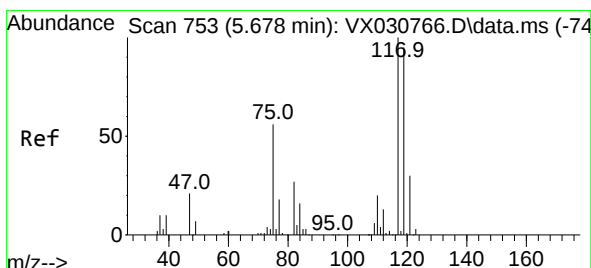
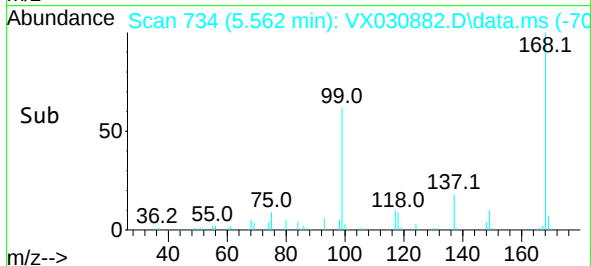
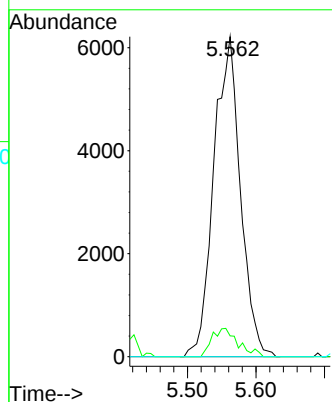
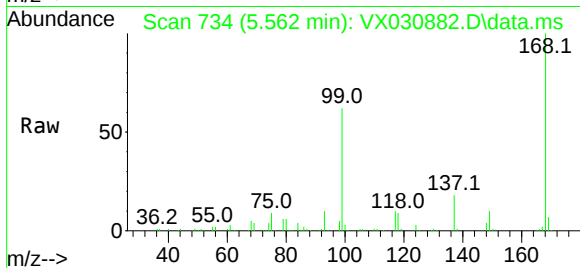
Tgt Ion: 75 Resp: 16751

Ion Ratio Lower Upper

75 100

110 8.7 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 0.233 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

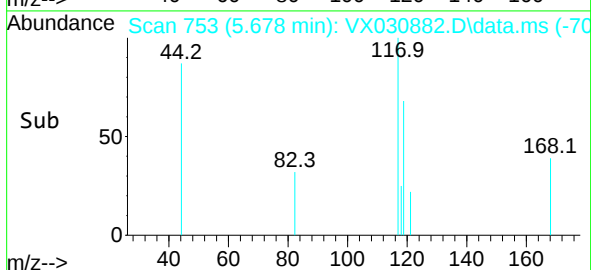
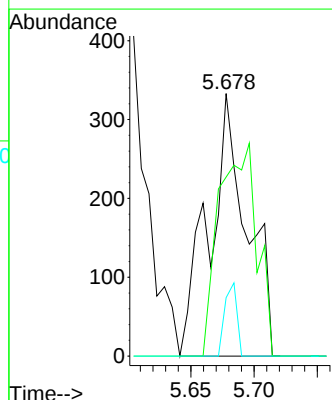
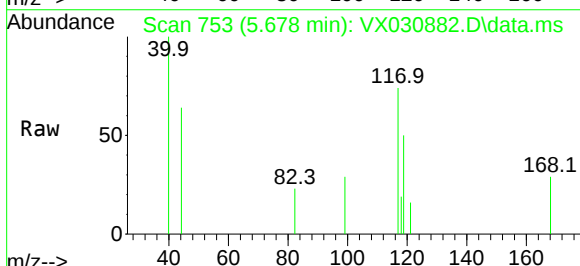
Tgt Ion: 117 Resp: 696

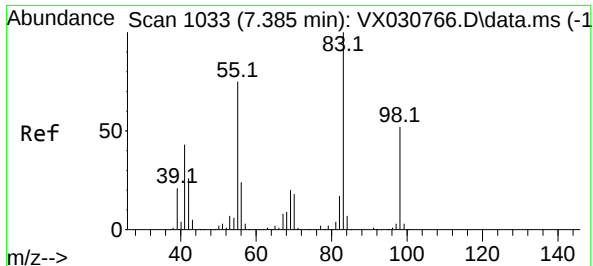
Ion Ratio Lower Upper

117 100

119 68.2 74.1 111.1#

121 22.2 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.332 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220821

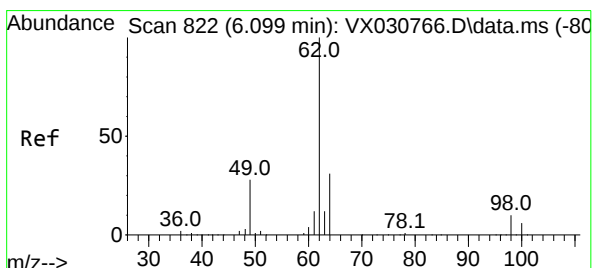
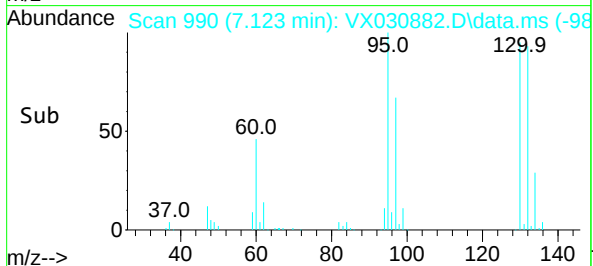
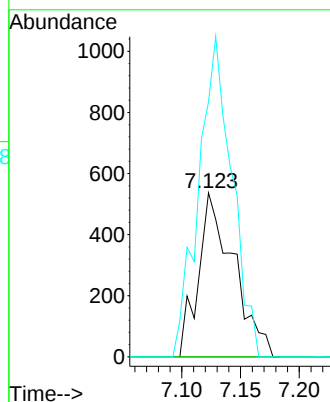
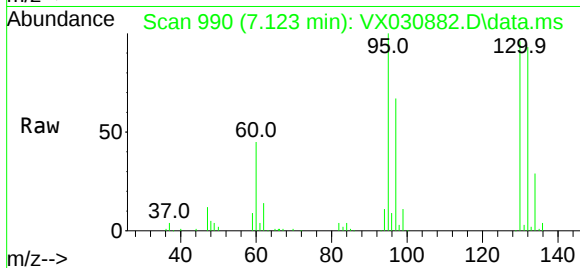
Tgt Ion: 83 Resp: 1124

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 155.5 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 0.361 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.012 min

Lab File: VX030882.D

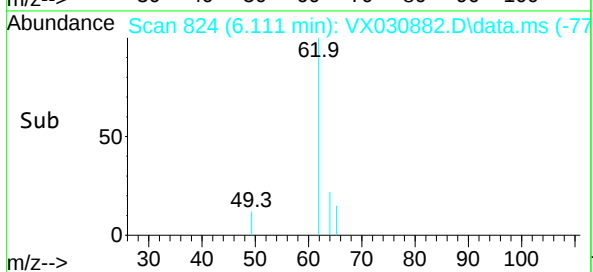
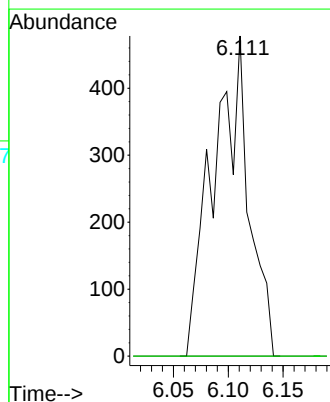
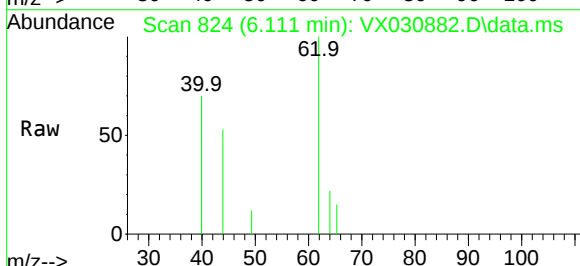
Acq: 27 Aug 2022 19:48

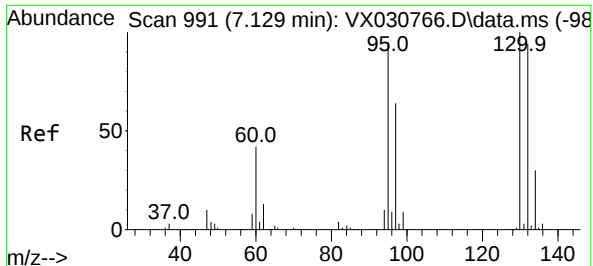
Tgt Ion: 62 Resp: 1082

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

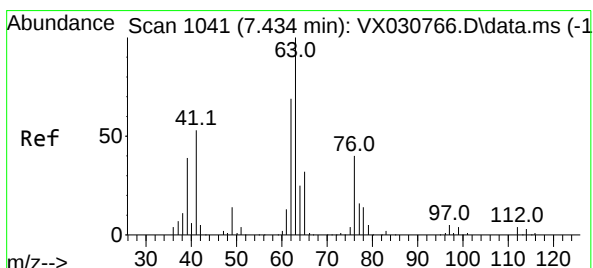
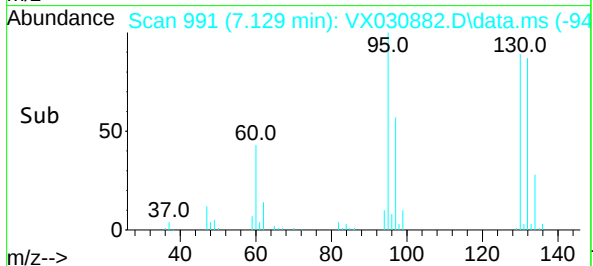
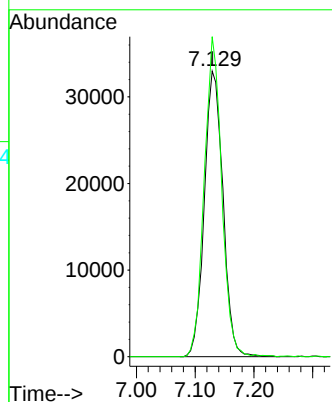
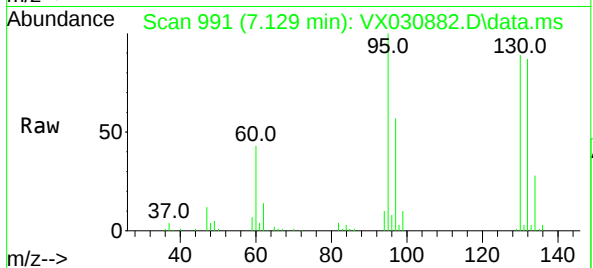




#44
Trichloroethene
Concen: 29.752 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

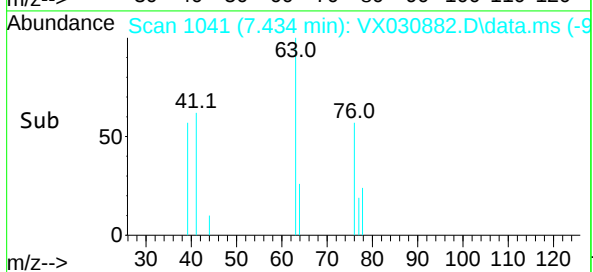
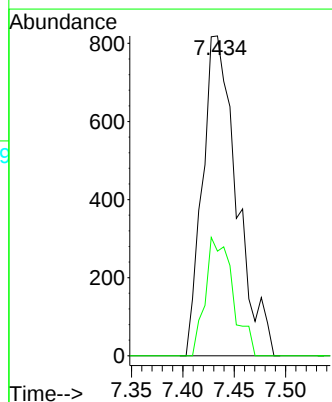
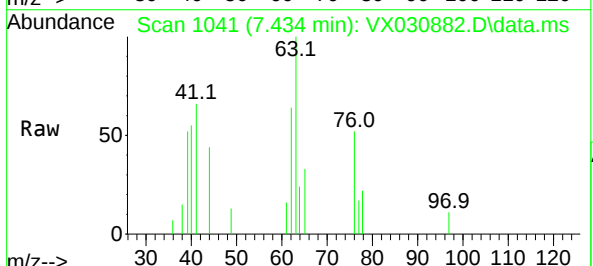
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

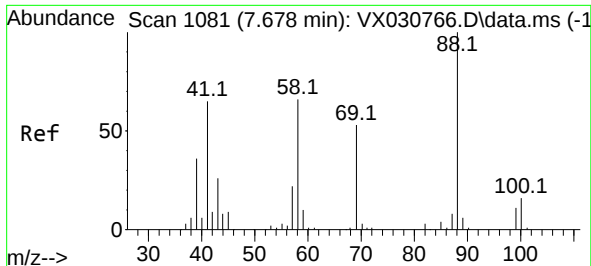
Tgt Ion:130 Resp: 72706
Ion Ratio Lower Upper
130 100
95 112.0 0.0 194.8



#45
1,2-Dichloropropane
Concen: 0.810 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 63 Resp: 1895
Ion Ratio Lower Upper
63 100
65 32.7 25.2 37.8





#49

1,4-Dioxane

Concen: 5.929 ug/l

RT: 7.684 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220821

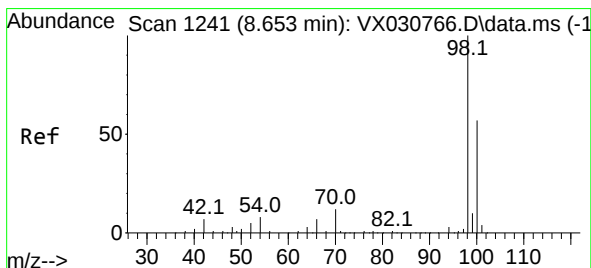
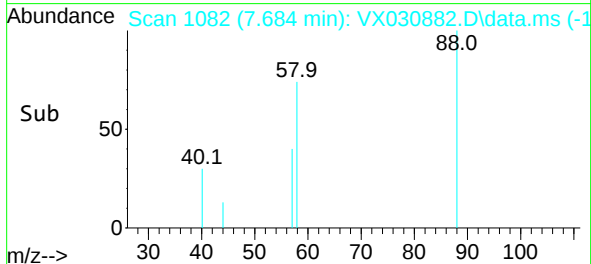
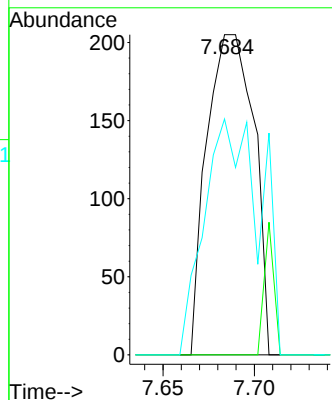
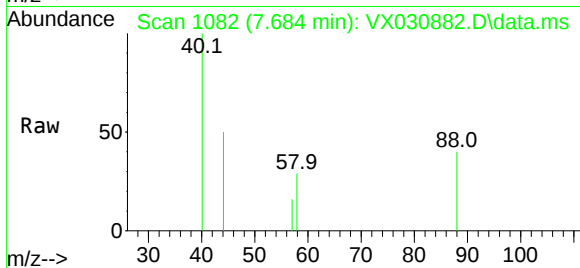
Tgt Ion: 88 Resp: 368

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 87.0 53.8 80.6#



#50

Toluene-d8

Concen: 56.091 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030882.D

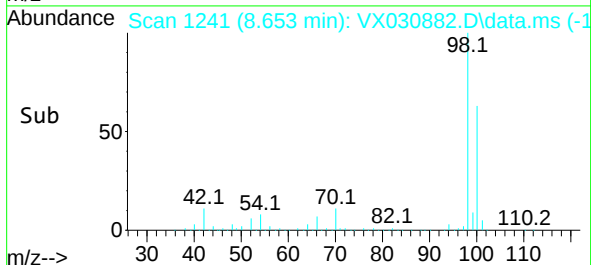
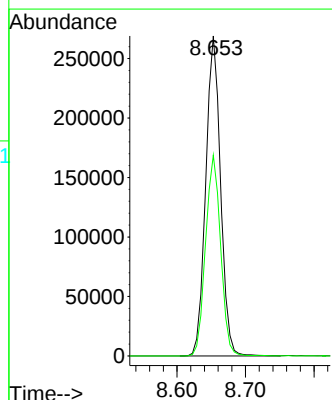
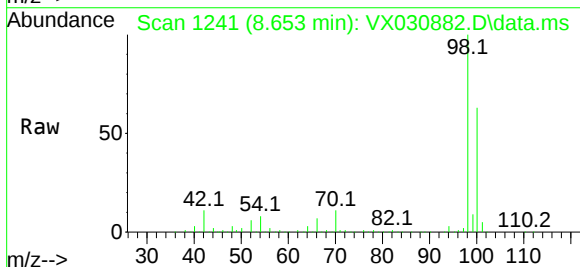
Acq: 27 Aug 2022 19:48

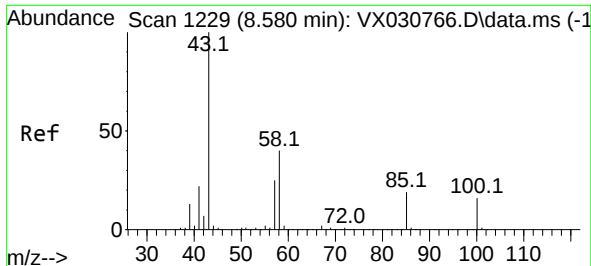
Tgt Ion: 98 Resp: 405810

Ion Ratio Lower Upper

98 100

100 63.5 52.3 78.5

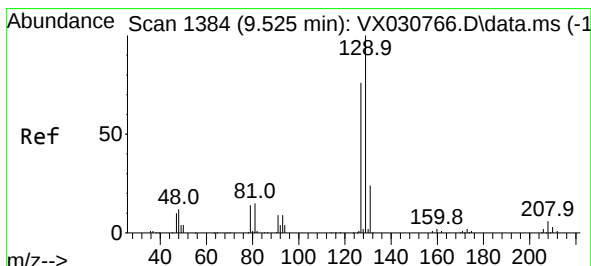
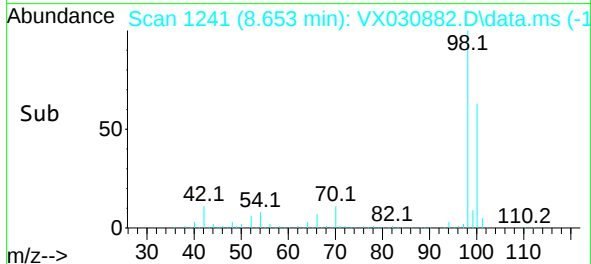
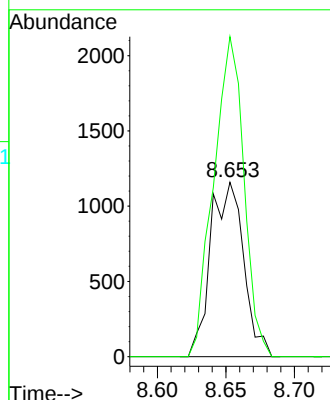
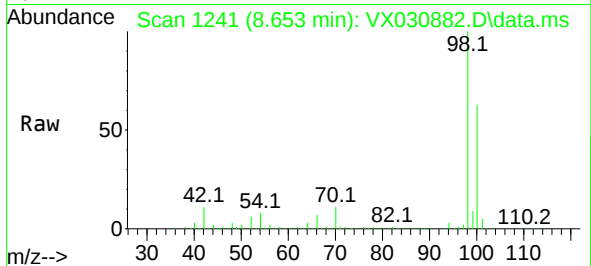




#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

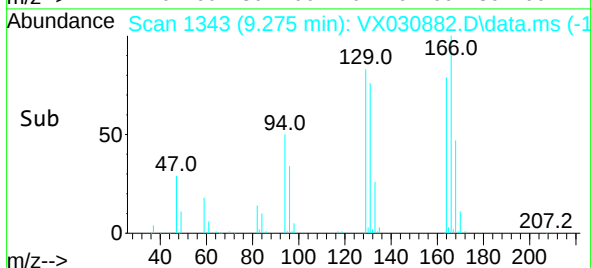
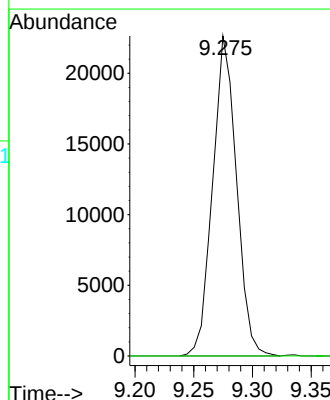
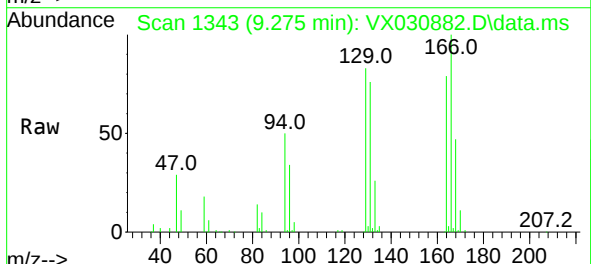
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

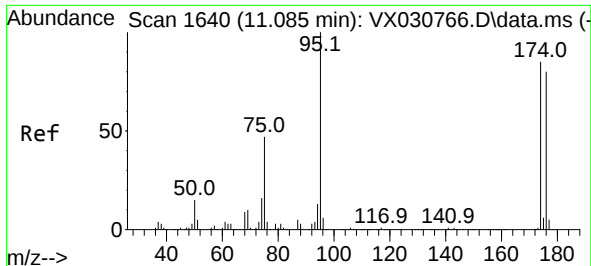
Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
58 168.5 31.4 47.2#



#60
Dibromochloromethane
Concen: 13.078 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 129 Resp: 31997
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 50.307 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220821

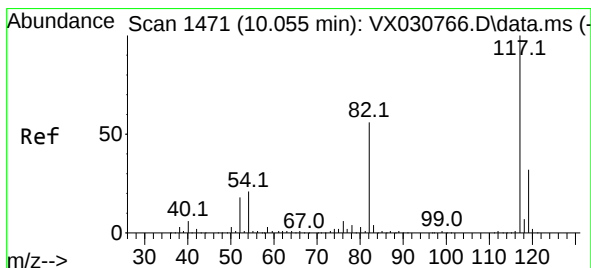
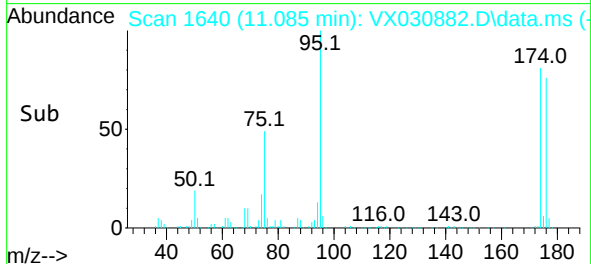
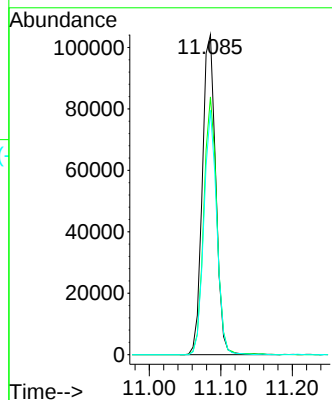
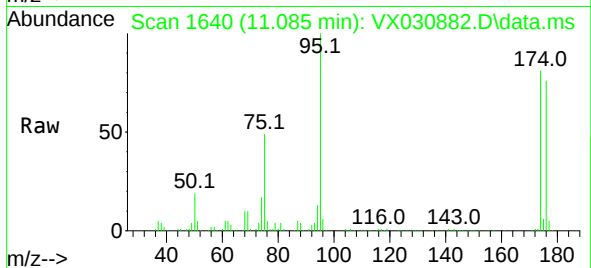
Tgt Ion: 95 Resp: 135505

Ion Ratio Lower Upper

95 100

174 78.7 0.0 149.0

176 73.6 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030882.D

Acq: 27 Aug 2022 19:48

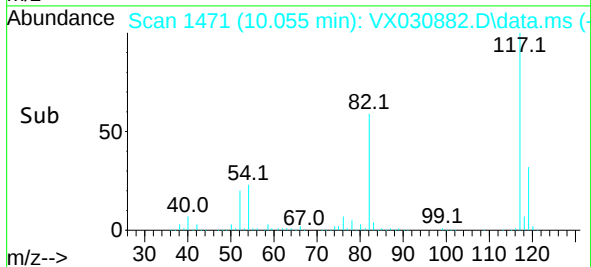
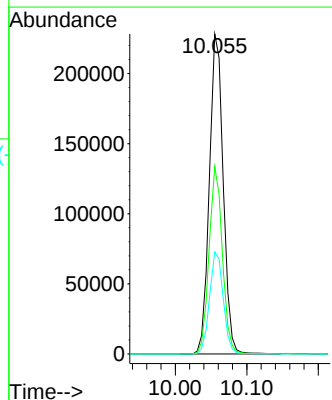
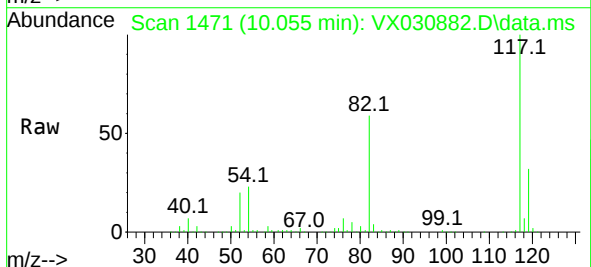
Tgt Ion: 117 Resp: 307182

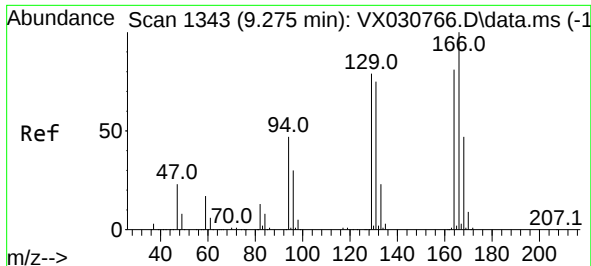
Ion Ratio Lower Upper

117 100

82 58.6 42.7 64.1

119 31.9 25.4 38.2

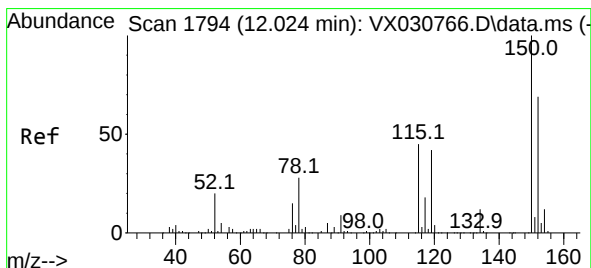
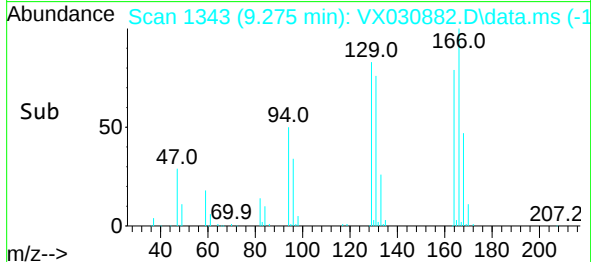
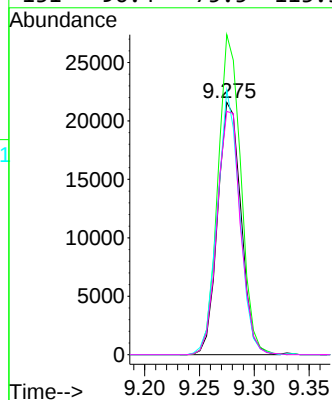
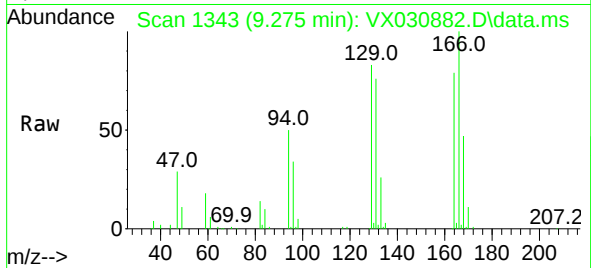




#64
Tetrachloroethene
Concen: 13.156 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

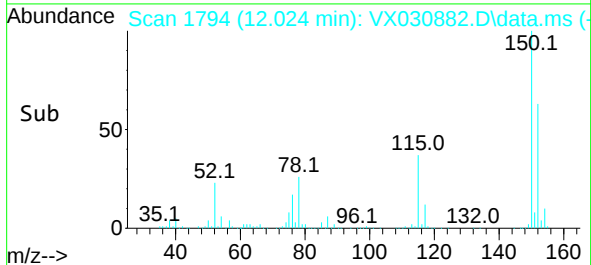
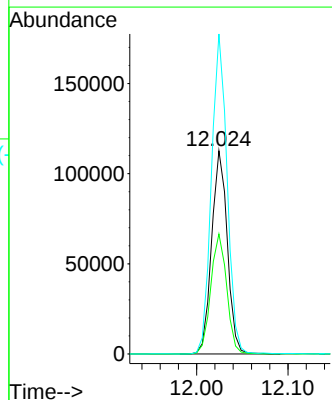
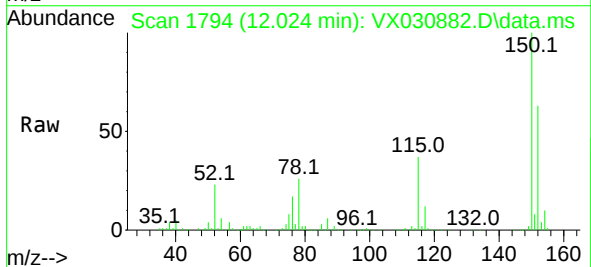
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

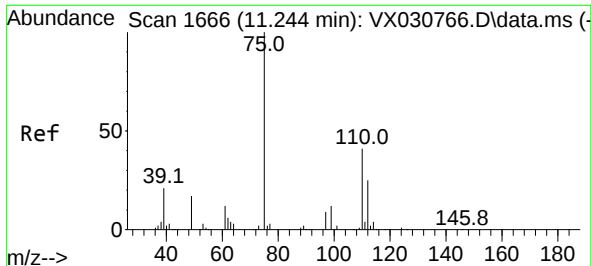
Tgt Ion:164	Resp:	31835
Ion	Ratio	Lower Upper
164	100	
166	126.8	98.2 147.4
129	104.9	80.8 121.2
131	96.4	75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion:152	Resp:	133955
Ion	Ratio	Lower Upper
152	100	
115	60.0	40.5 121.5
150	157.3	0.0 347.0

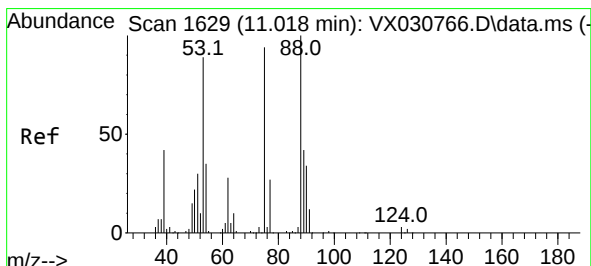
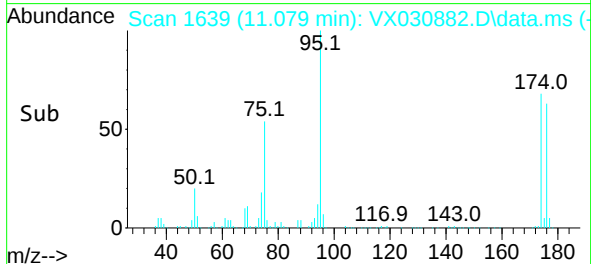
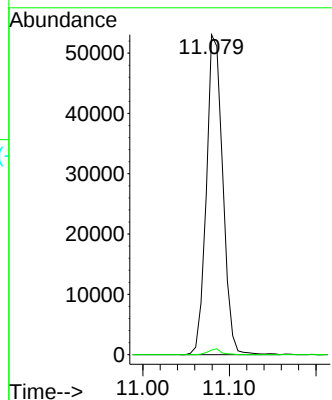
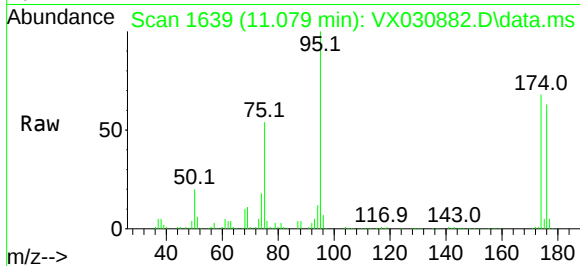




#76
1,2,3-Trichloropropane
Concen: 23.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220821

Tgt Ion: 75 Resp: 69663
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.586 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030882.D
Acq: 27 Aug 2022 19:48

Tgt Ion: 75 Resp: 69663
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

