

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022892.D
 Acq On : 25 Jun 2021 01:36
 Operator : JC/MD
 Sample : M2803-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20210621

Quant Time: Jun 25 05:42:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

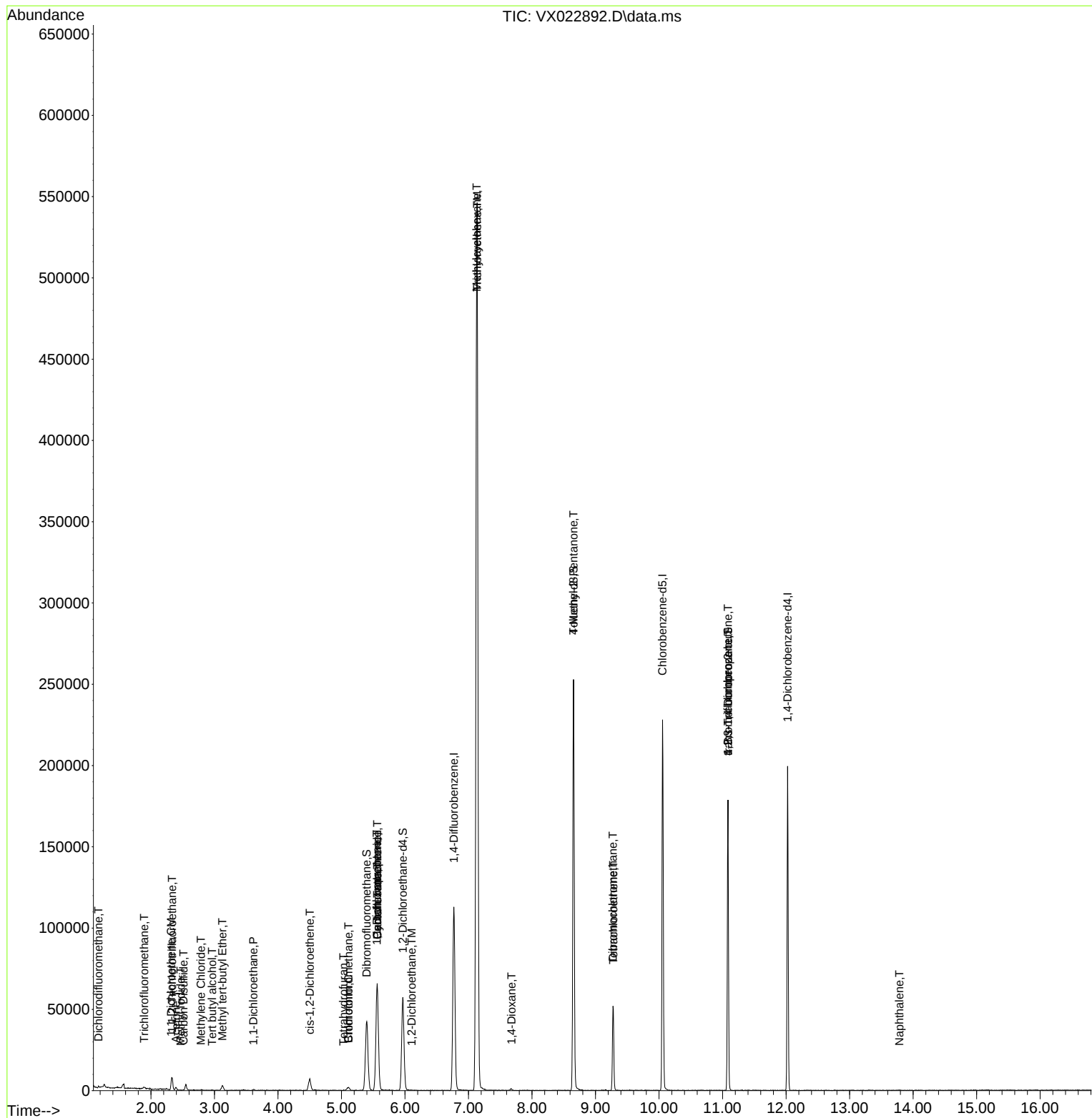
Internal Standards						
1) Pentafluorobenzene	5.562	168	52260	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	108444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50532	53.28	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.56%	
35) Dibromofluoromethane	5.397	113	36426	52.90	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.80%	
50) Toluene-d8	8.653	98	141256	52.34	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.68%	
62) 4-Bromofluorobenzene	11.085	95	46069	45.74	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.48%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	223	0.30	ug/l	93
7) Trichlorofluoromethane	1.892	101	647	0.60	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	2548	3.75	ug/l	91
10) Methyl Iodide	2.465	142	126	4.02	ug/l #	42
11) Tert butyl alcohol	2.965	59	86	0.44	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	857	1.26	ug/l #	80
16) Acetone	2.392	43	1349	3.21	ug/l #	87
17) Carbon Disulfide	2.514	76	222	3.63	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	3152	1.30	ug/l #	90
20) Methylene Chloride	2.788	84	131	0.53	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	807	0.56	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	4353	5.21	ug/l	86
28) Bromochloromethane	5.111	49	137	0.20	ug/l #	9
29) Tetrahydrofuran	5.032	42	86	0.20	ug/l #	27
30) Chloroform	5.111	83	2270	1.58	ug/l #	83
31) Cyclohexane	5.562	56	1611	1.20	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	5473	4.75	ug/l #	48
38) Carbon Tetrachloride	5.562	117	6036	6.25	ug/l #	16
39) Methylcyclohexane	7.129	83	2647	1.97	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	328	0.27	ug/l #	73
44) Trichloroethene	7.135	130	188993	239.94	ug/l	96
49) 1,4-Dioxane	7.677	88	726	33.97	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	727	0.54	ug/l #	1
60) Dibromochloromethane	9.275	129	8926	14.14	ug/l #	11
64) Tetrachloroethene	9.281	164	8748	13.03	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	25899	29.26	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25899	75.26	ug/l #	12
95) Naphthalene	13.786	128	118	1.96	ug/l #	69

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

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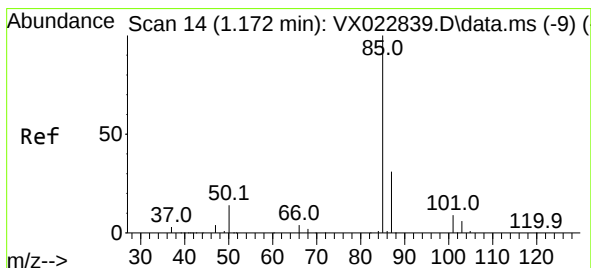
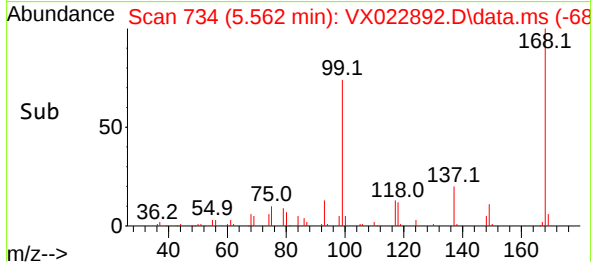
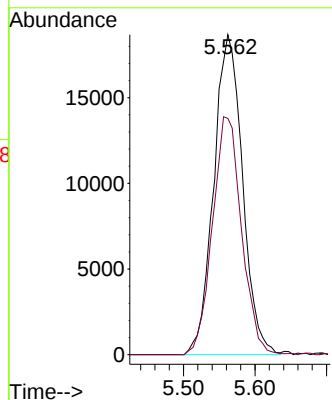
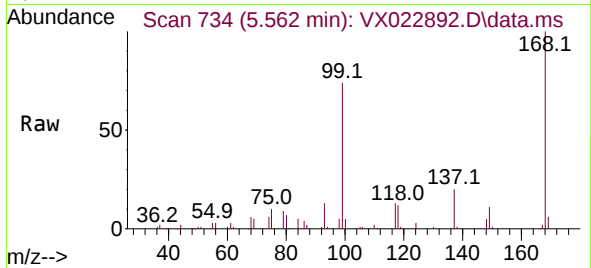




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

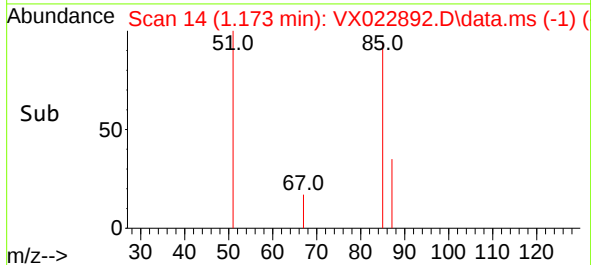
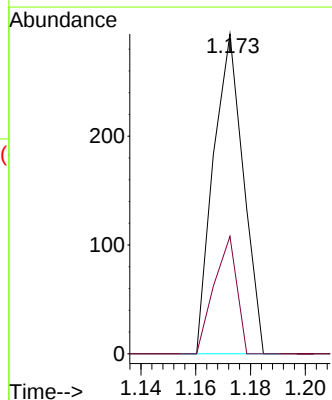
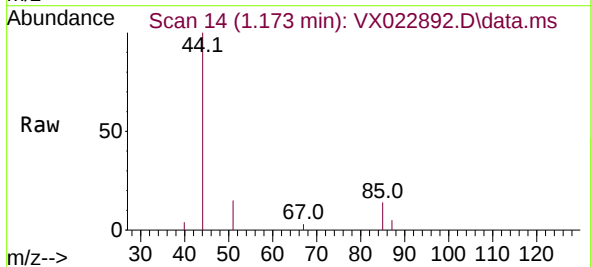
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

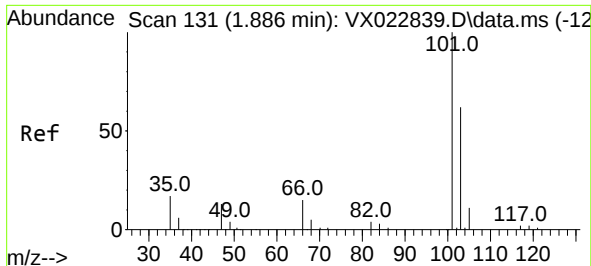
Tgt Ion:168 Resp: 52260
Ion Ratio Lower Upper
168 100
99 73.9 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.30 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.001 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 85 Resp: 223
Ion Ratio Lower Upper
85 100
87 36.7 16.4 49.2

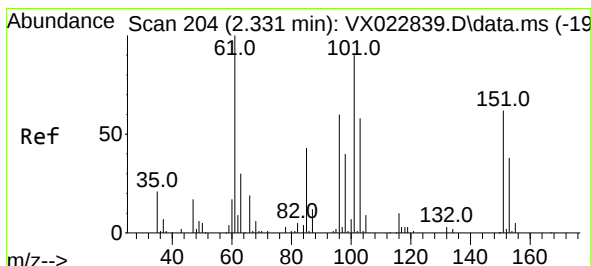
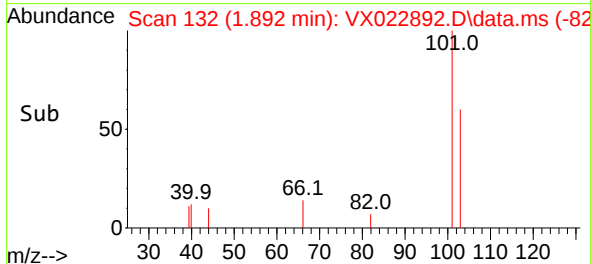
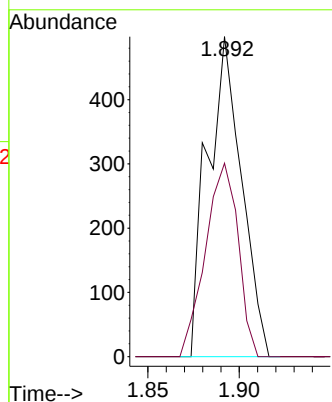
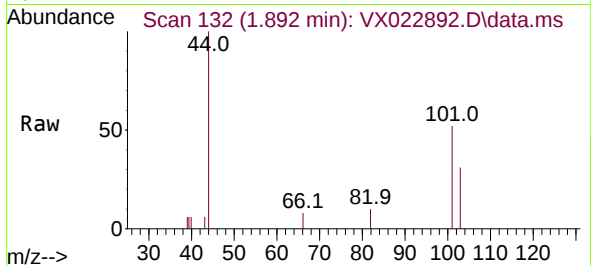




#7
Trichlorofluoromethane
Concen: 0.60 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

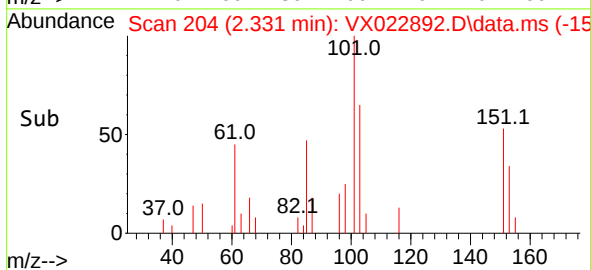
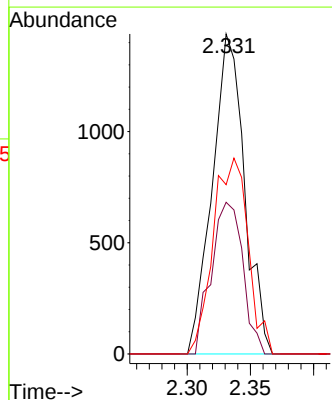
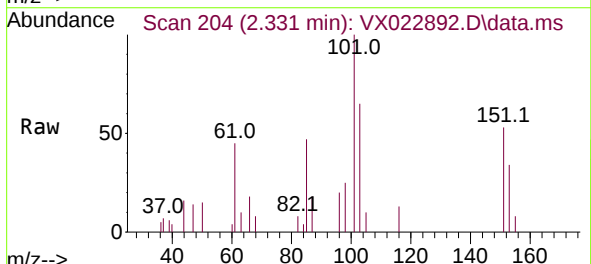
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

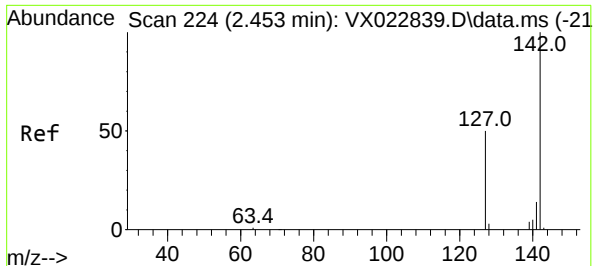
Tgt Ion:101 Resp: 647
Ion Ratio Lower Upper
101 100
103 60.4 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.75 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion:101 Resp: 2548
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 66.4 61.4 92.2

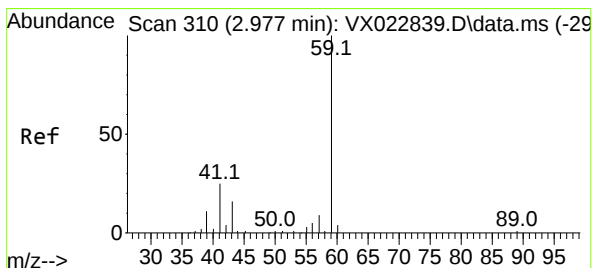
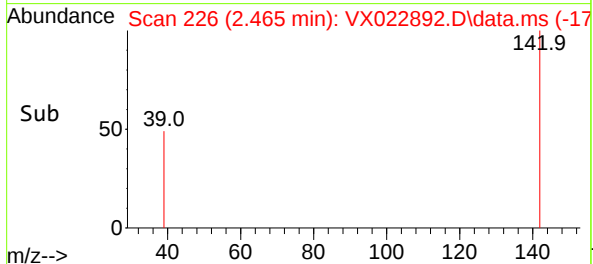
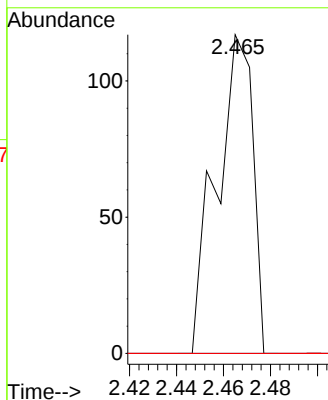
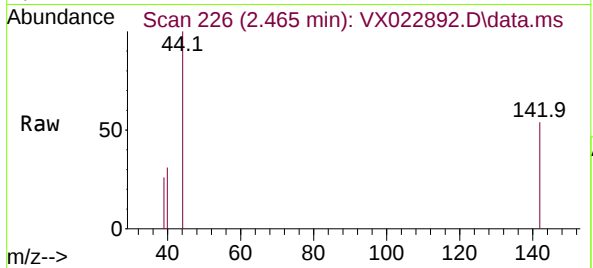




#10
Methyl Iodide
Concen: 4.02 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

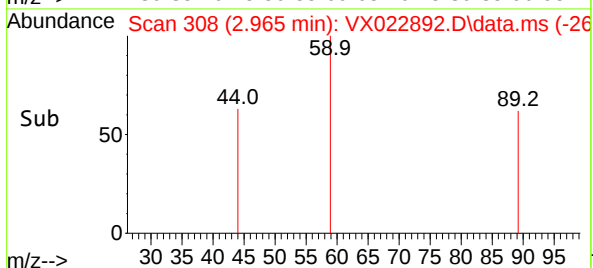
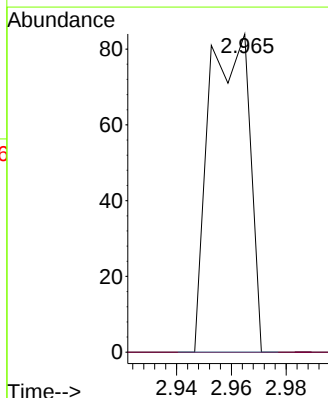
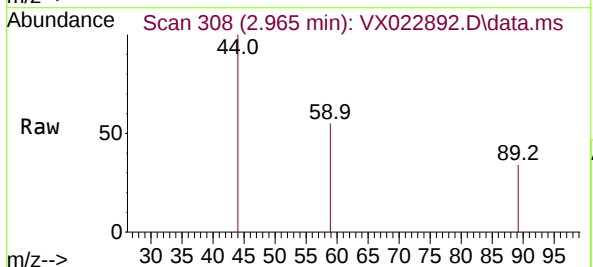
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

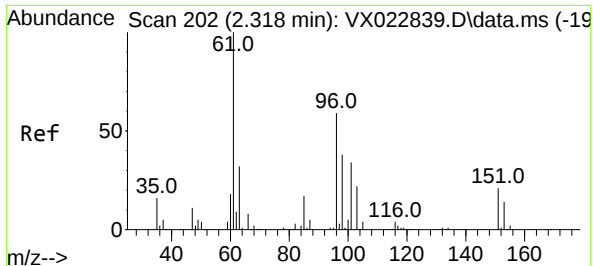
Tgt Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.44 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.26 ug/l

RT: 2.319 min Scan# 202

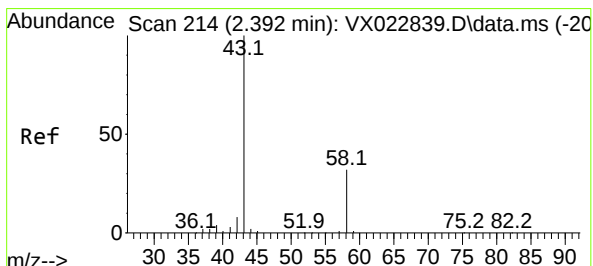
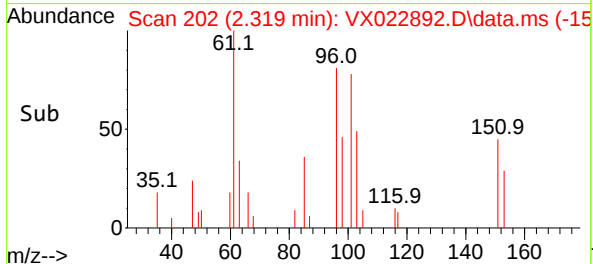
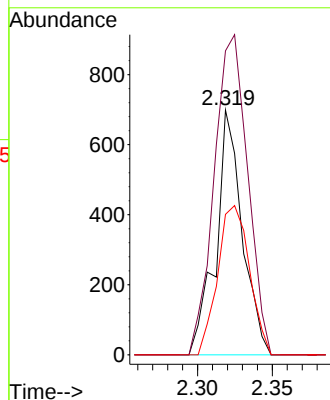
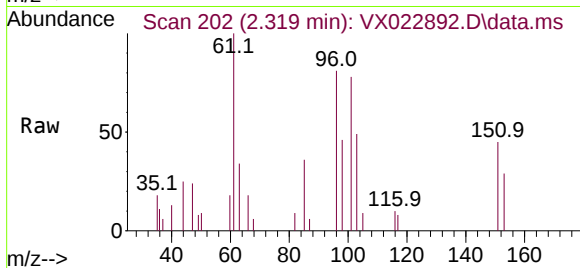
Delta R.T. 0.001 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion:	96	Resp:	857
Ion	Ratio	Lower	Upper
96	100		
61	124.2	124.6	187.0#
98	57.4	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621



#16

Acetone

Concen: 3.21 ug/l

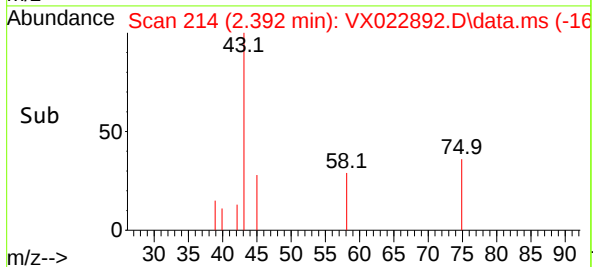
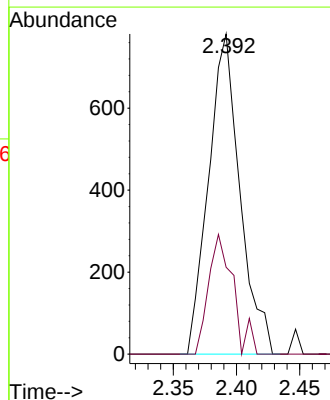
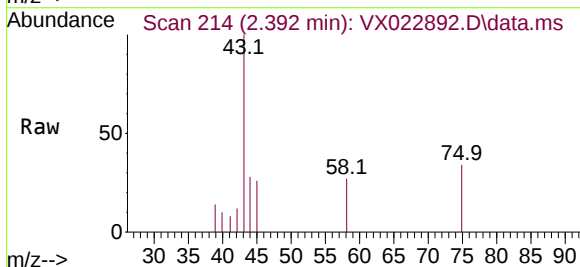
RT: 2.392 min Scan# 214

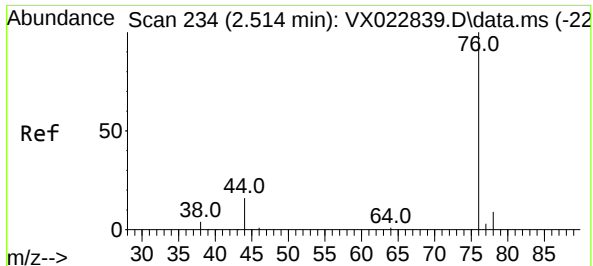
Delta R.T. -0.000 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion:	43	Resp:	1349
Ion	Ratio	Lower	Upper
43	100		
58	27.1	27.8	41.8#

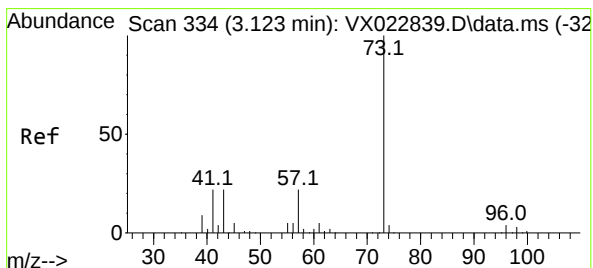
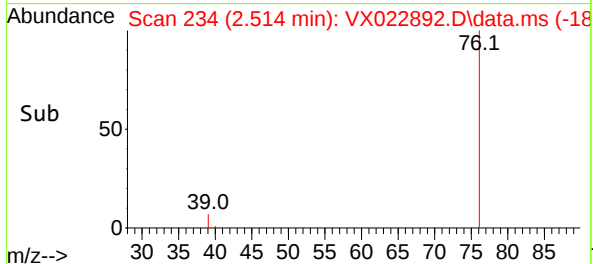
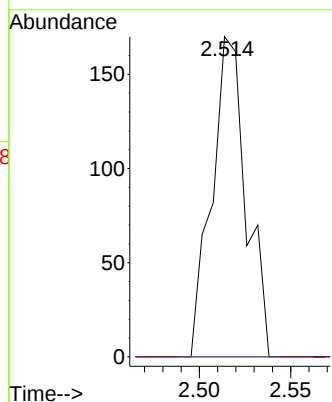
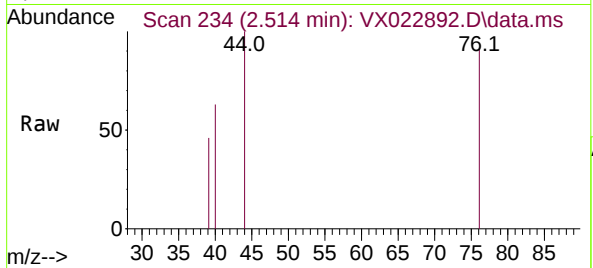




#17
Carbon Disulfide
Concen: 3.63 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

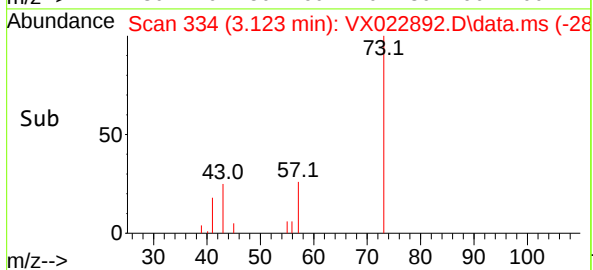
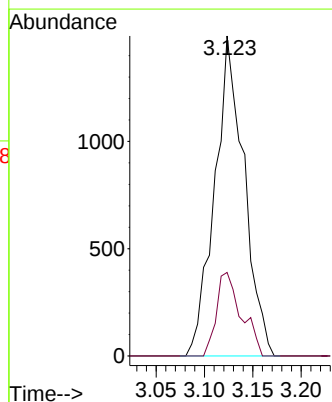
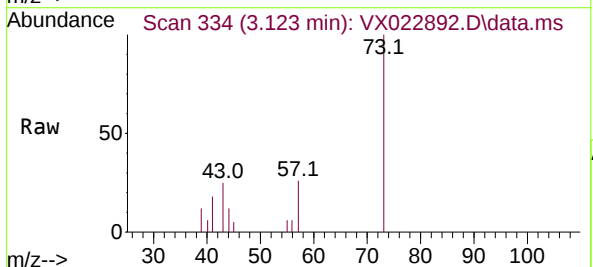
Instrument :
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ClientSampleId :
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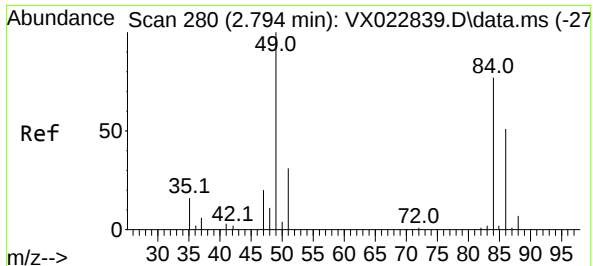
Tgt Ion: 76 Resp: 222
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 1.30 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 73 Resp: 3152
Ion Ratio Lower Upper
73 100
57 26.1 17.1 25.7#





#20

Methylene Chloride

Concen: 0.53 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 84 Resp: 131

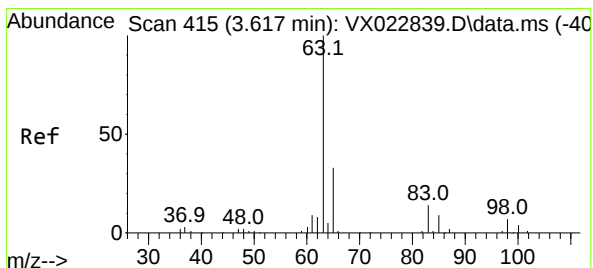
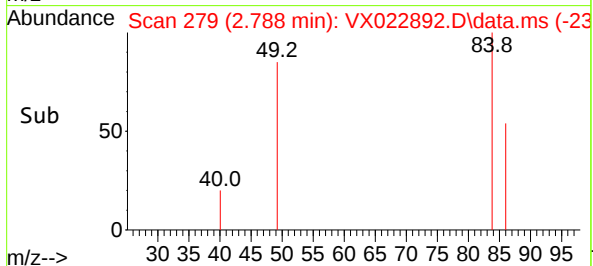
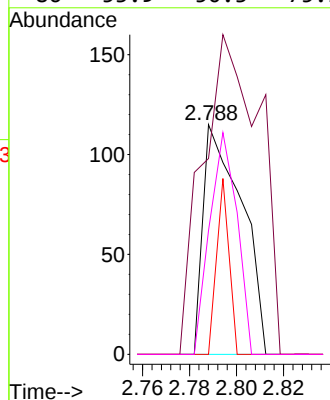
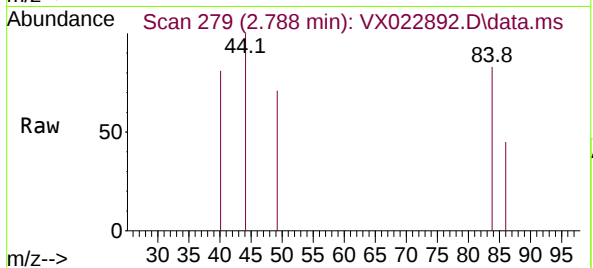
Ion Ratio Lower Upper

84 100

49 85.2 88.6 132.8#

51 0.0 27.0 40.6#

86 53.9 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.56 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.006 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

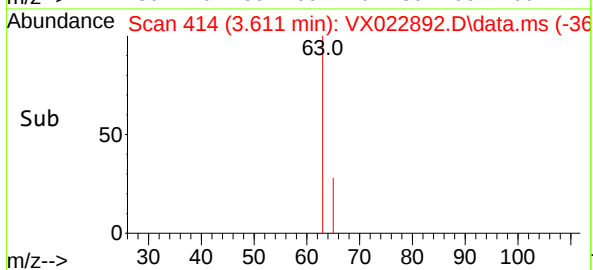
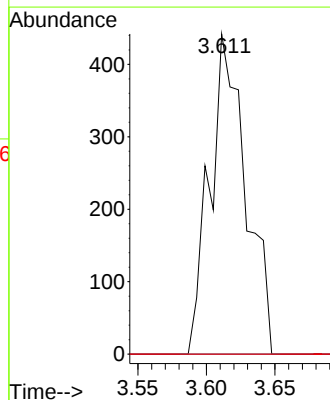
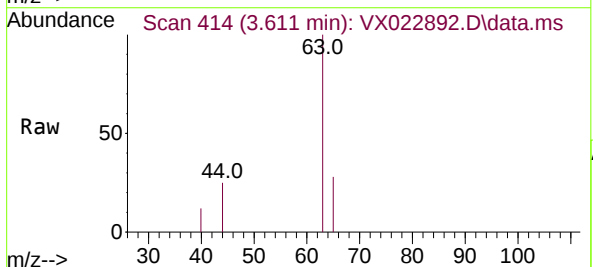
Tgt Ion: 63 Resp: 807

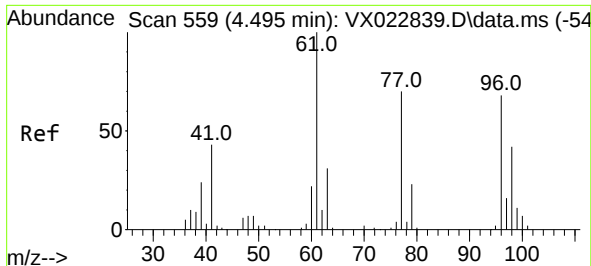
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 5.21 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 96 Resp: 4353

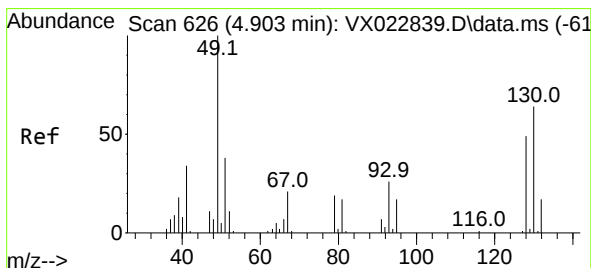
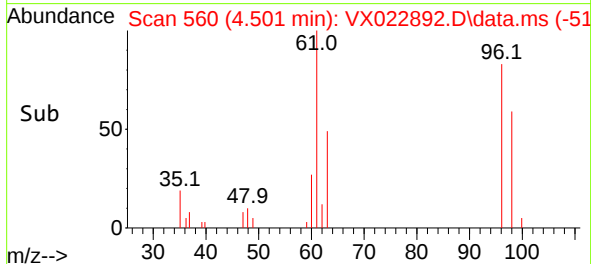
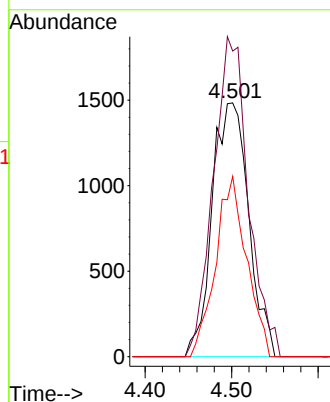
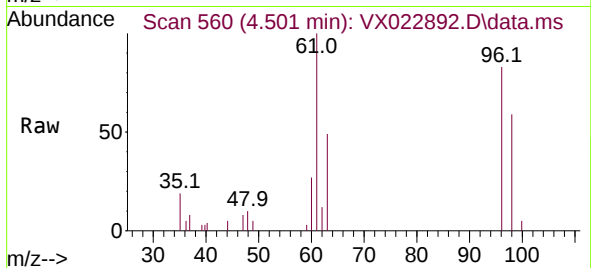
Ion	Ratio	Lower	Upper
96	100		
61	120.1	0.0	285.6
98	60.1	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20210621



#28

Bromochloromethane

Concen: 0.20 ug/l

RT: 5.111 min Scan# 660

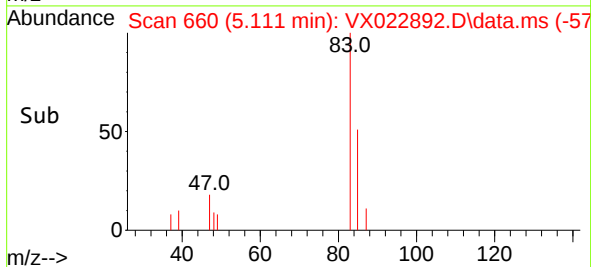
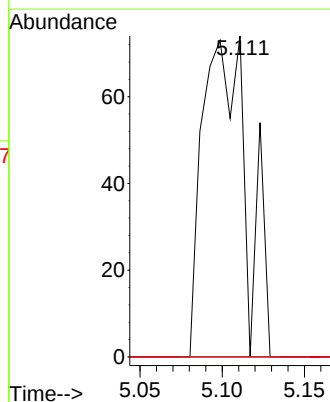
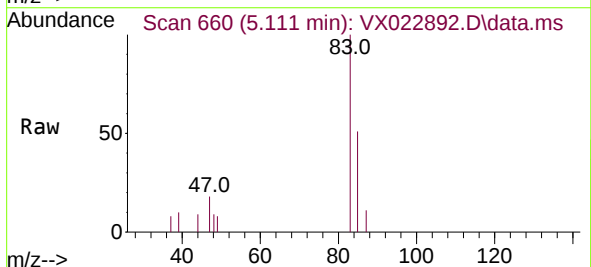
Delta R.T. 0.208 min

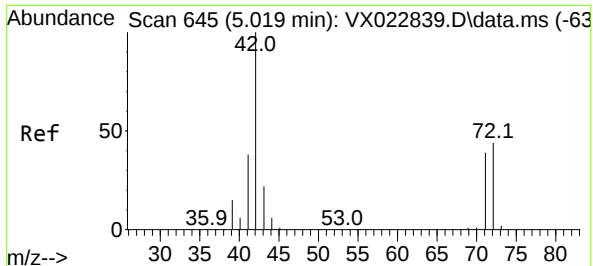
Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 49 Resp: 137

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 5.032 min Scan# 647

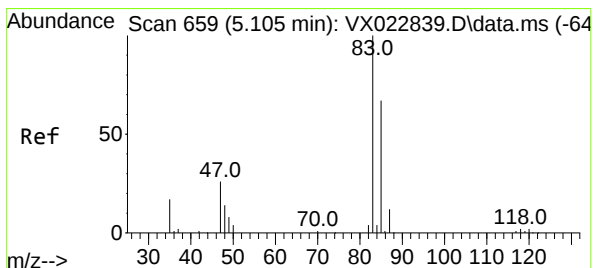
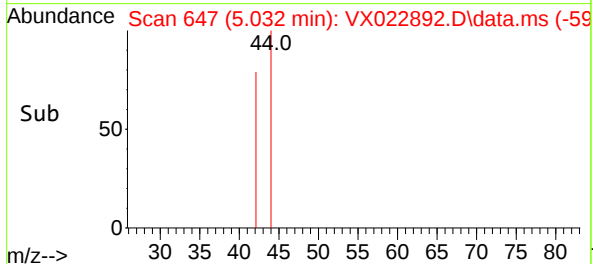
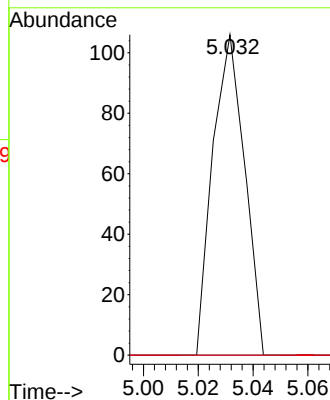
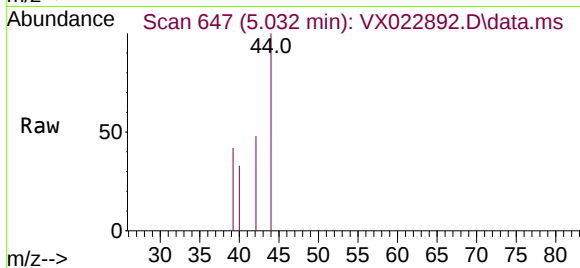
Delta R.T. 0.013 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion:	42	Resp:	86
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621



#30

Chloroform

Concen: 1.58 ug/l

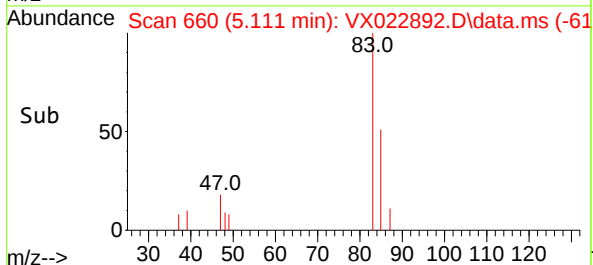
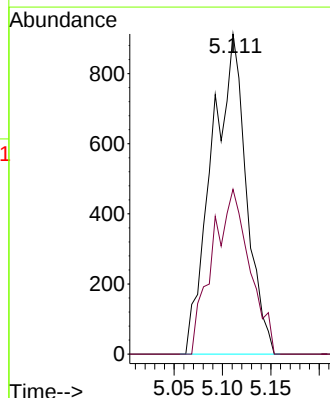
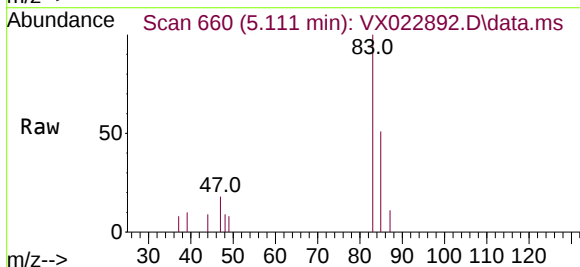
RT: 5.111 min Scan# 660

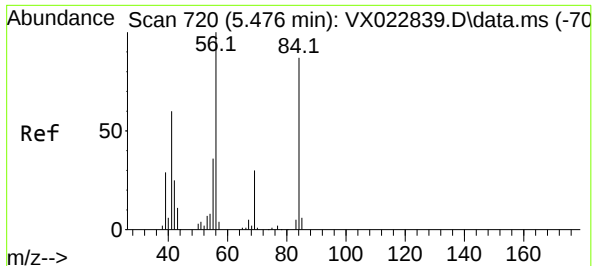
Delta R.T. 0.006 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion:	83	Resp:	2270
Ion	Ratio	Lower	Upper
83	100		
85	51.5	52.0	78.0#

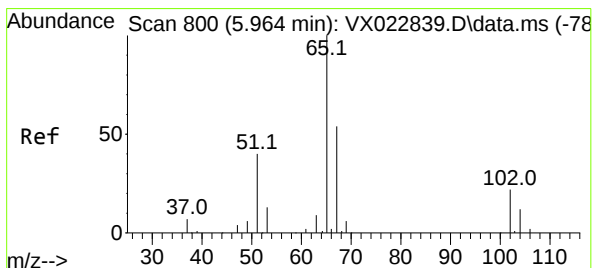
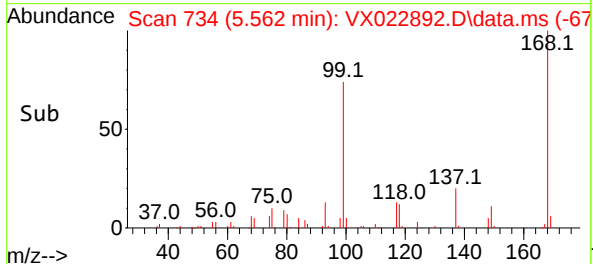
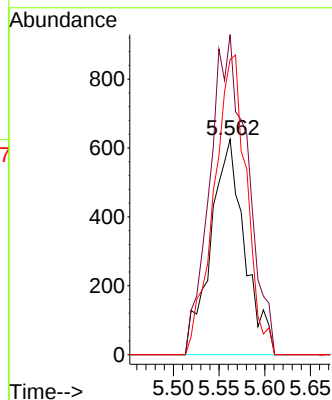
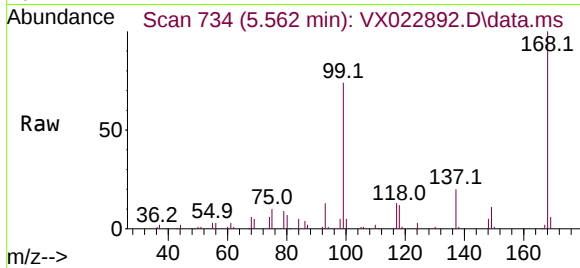




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

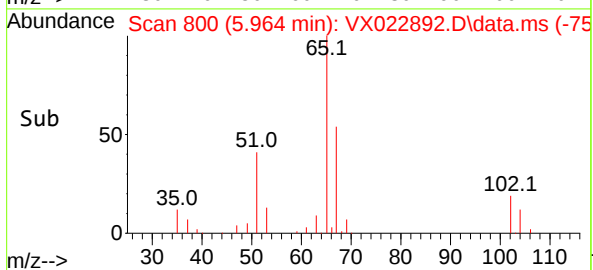
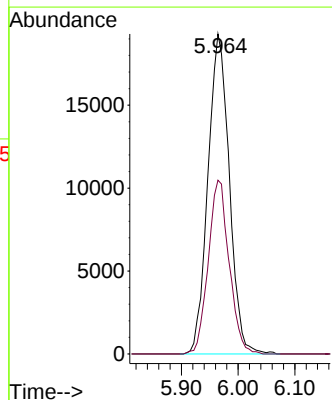
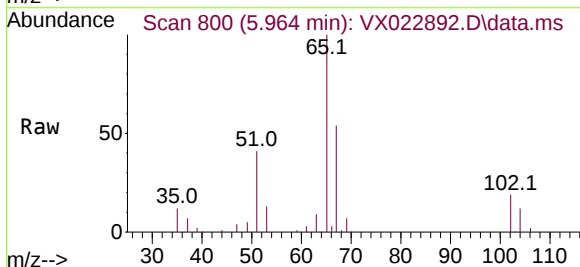
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

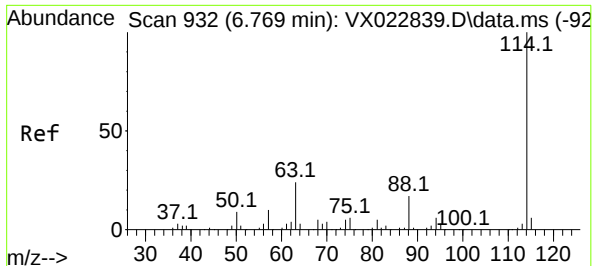
Tgt Ion: 56 Resp: 1611
Ion Ratio Lower Upper
56 100
69 148.6 25.3 37.9#
84 137.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.28 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 65 Resp: 50532
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4

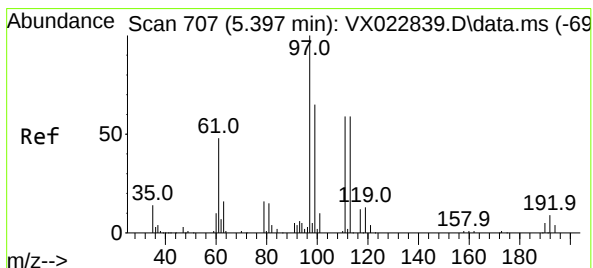
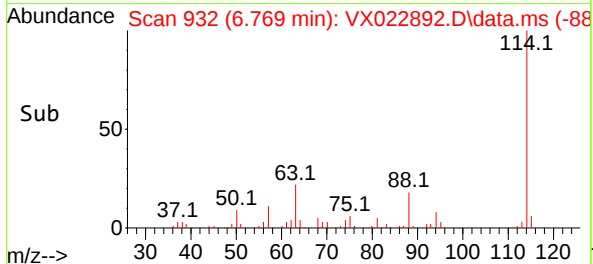
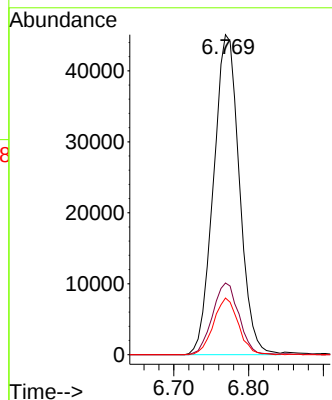
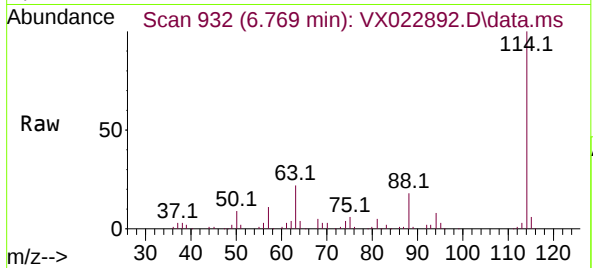




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

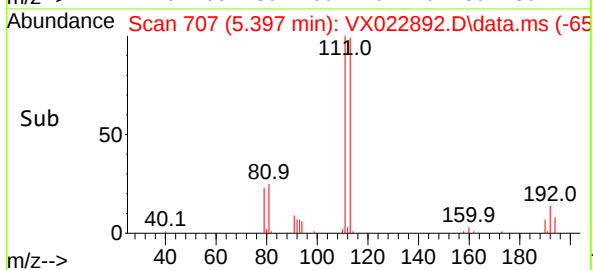
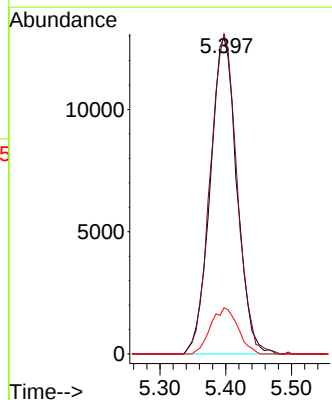
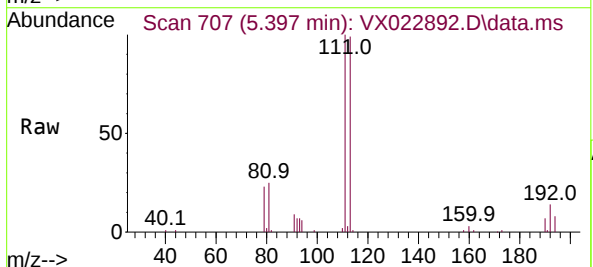
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

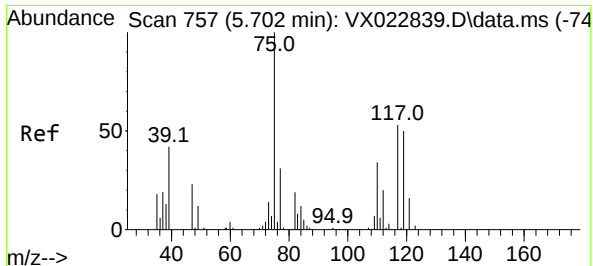
Tgt Ion:114 Resp: 108444
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.8
88 17.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.90 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion:113 Resp: 36426
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 15.0 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 5.556 min Scan# 733

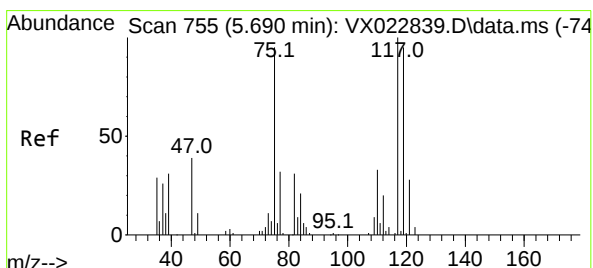
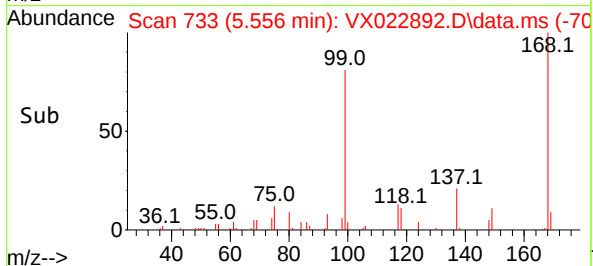
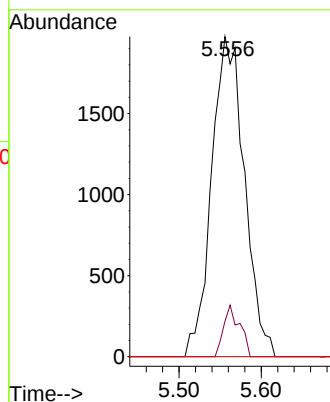
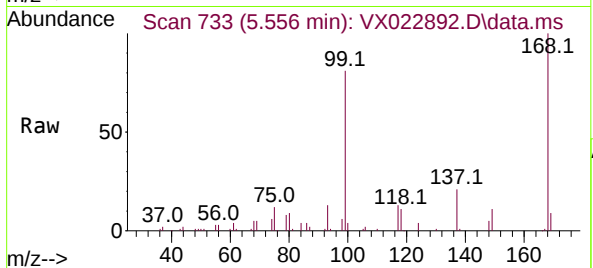
Delta R.T. -0.146 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 75	Resp: 5473
Ion Ratio	Lower Upper
75 100	
110 7.9	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621



#38

Carbon Tetrachloride

Concen: 6.25 ug/l

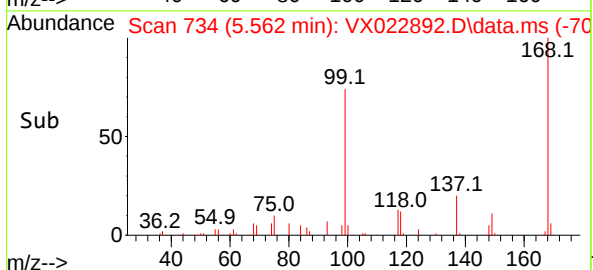
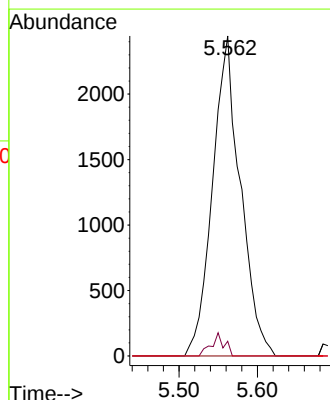
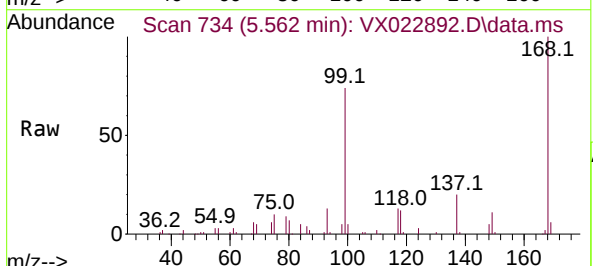
RT: 5.562 min Scan# 734

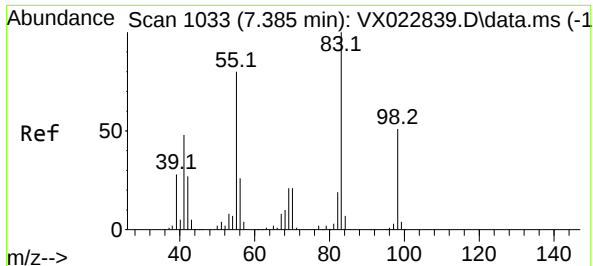
Delta R.T. -0.128 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 117	Resp: 6036
Ion Ratio	Lower Upper
117 100	
119 4.6	76.2 114.2#
121 0.0	24.8 37.2#





#39

Methylcyclohexane

Concen: 1.97 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

Tgt Ion: 83 Resp: 2647

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

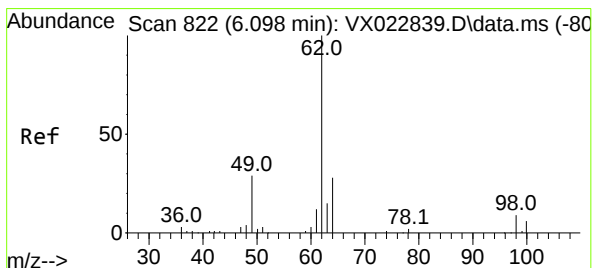
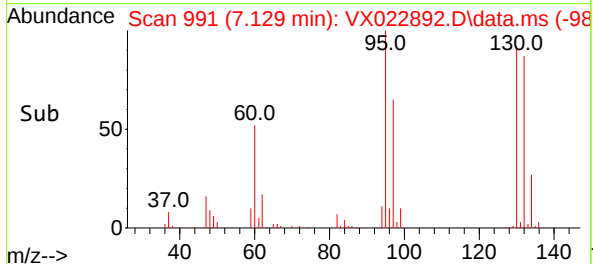
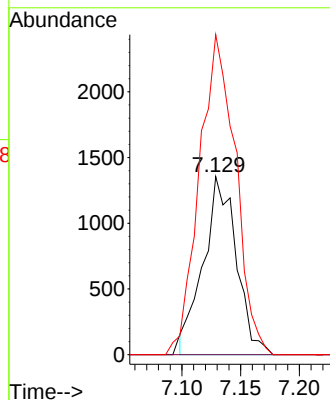
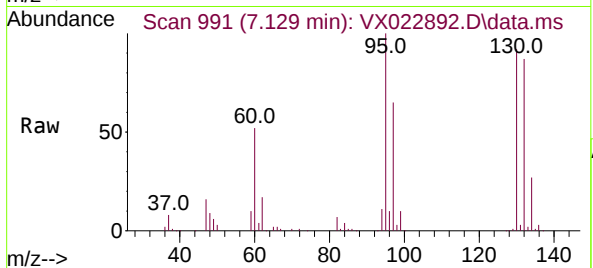
98 179.7 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20210621



#42

1,2-Dichloroethane

Concen: 0.27 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.007 min

Lab File: VX022892.D

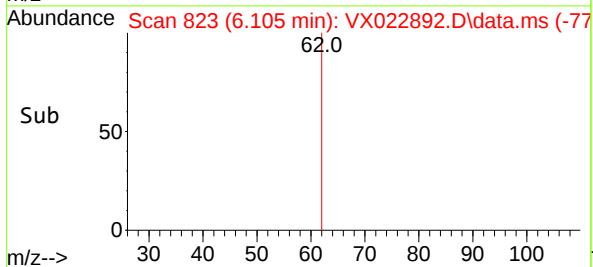
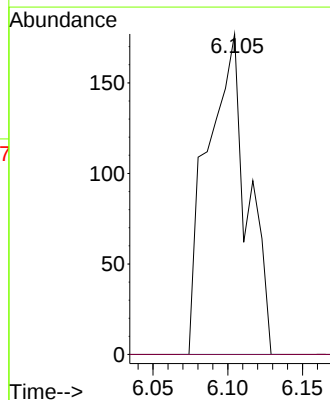
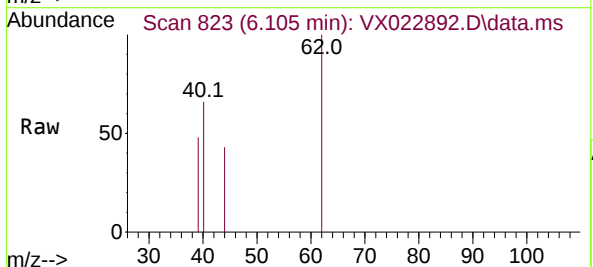
Acq: 25 Jun 2021 01:36

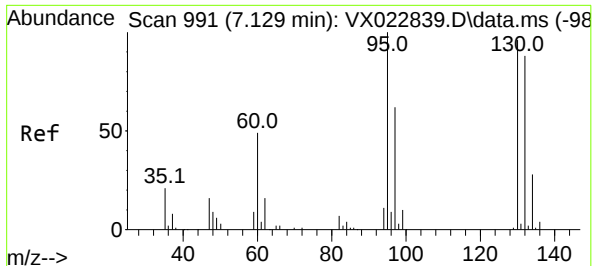
Tgt Ion: 62 Resp: 328

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

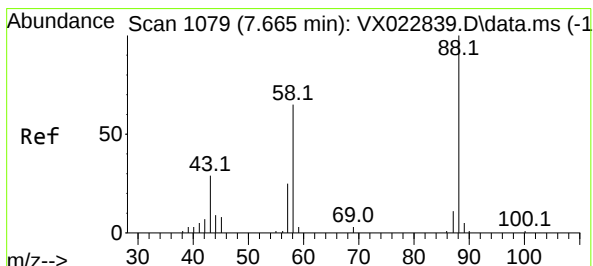
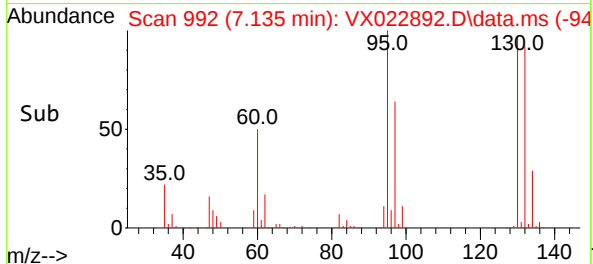
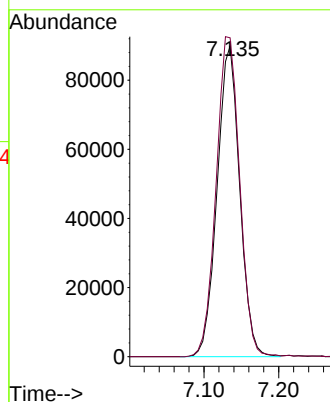
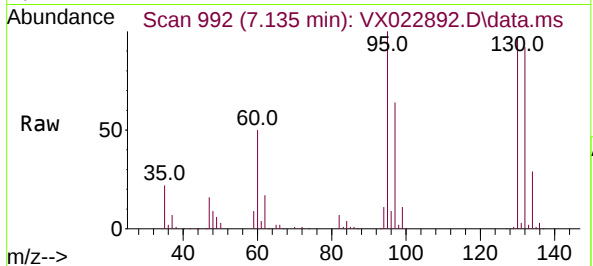




#44
Trichloroethene
Concen: 239.94 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

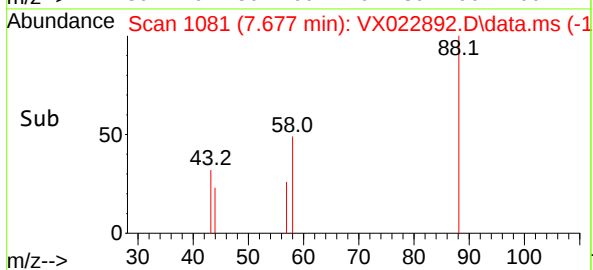
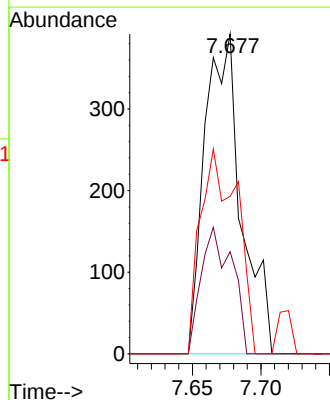
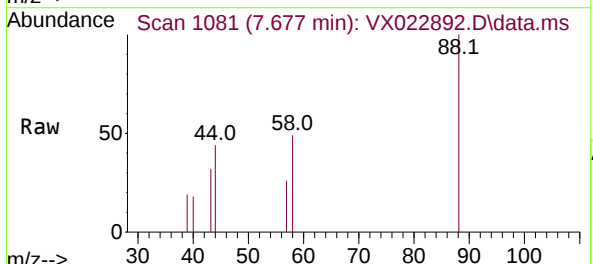
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

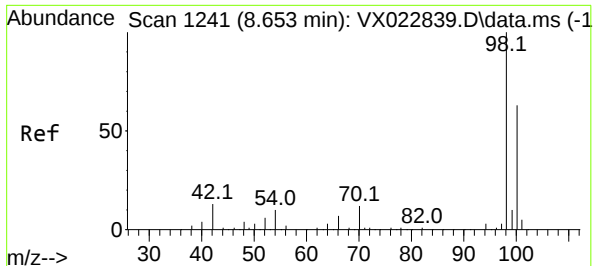
Tgt Ion:130 Resp: 188993
Ion Ratio Lower Upper
130 100
95 102.6 0.0 198.0



#49
1,4-Dioxane
Concen: 33.97 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 88 Resp: 726
Ion Ratio Lower Upper
88 100
43 33.5 23.2 34.8
58 64.6 55.0 82.4

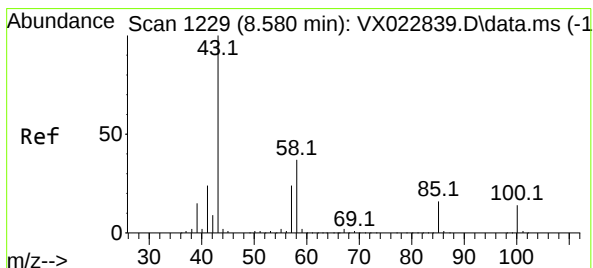
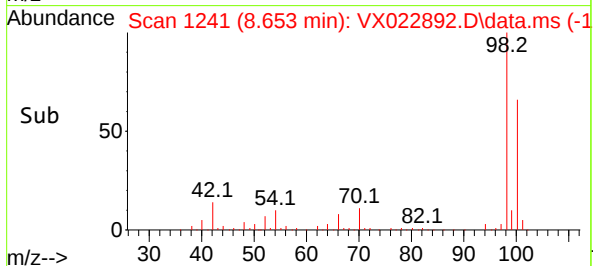
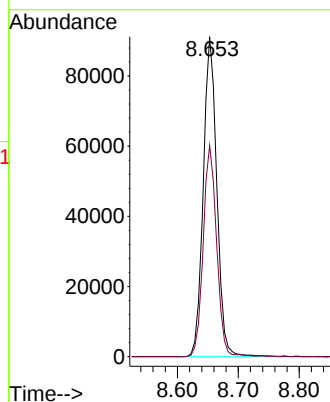
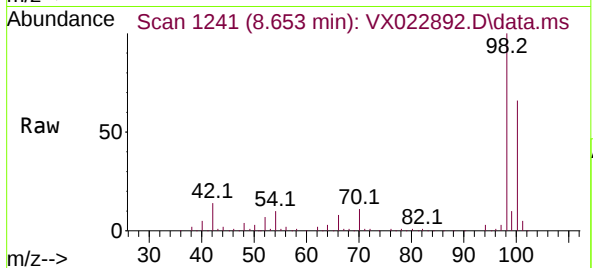




#50
Toluene-d8
Concen: 52.34 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

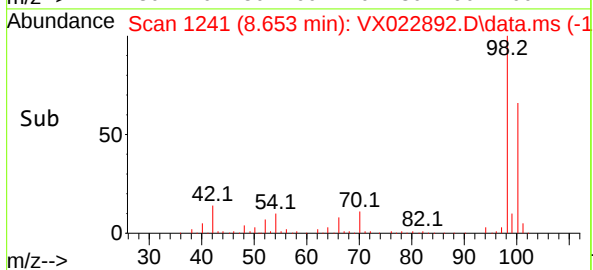
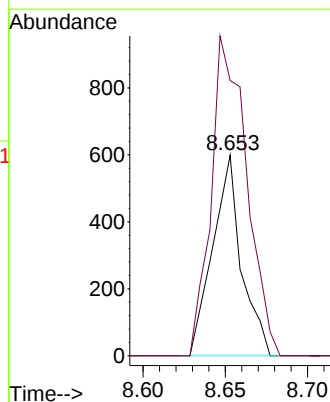
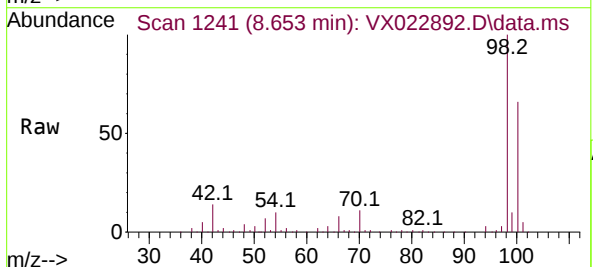
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

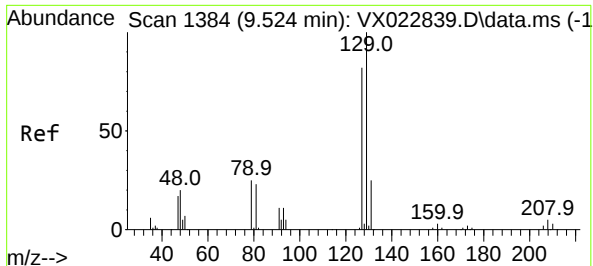
Tgt Ion: 98 Resp: 141256
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.54 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
58 196.6 35.4 53.0#





#60

Dibromochloromethane

Concen: 14.14 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX022892.D

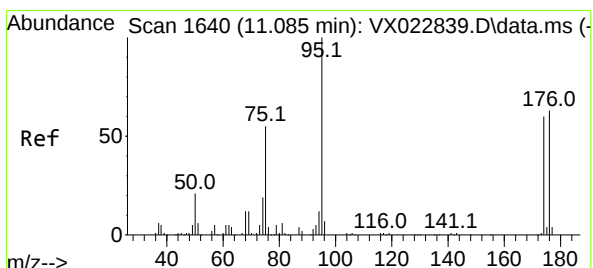
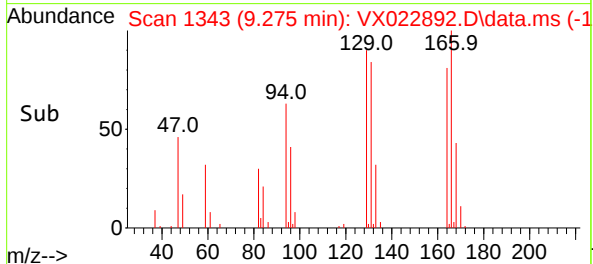
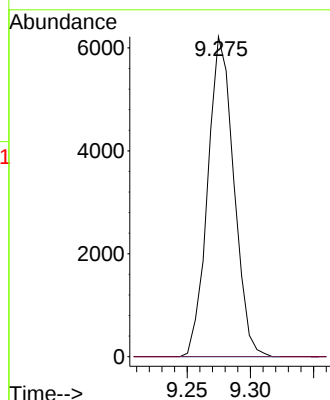
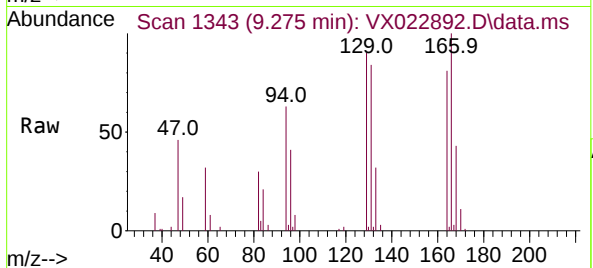
Acq: 25 Jun 2021 01:36

Tgt Ion:129 Resp: 8926

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.74 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX022892.D

Acq: 25 Jun 2021 01:36

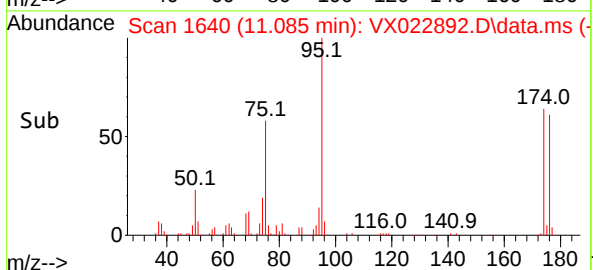
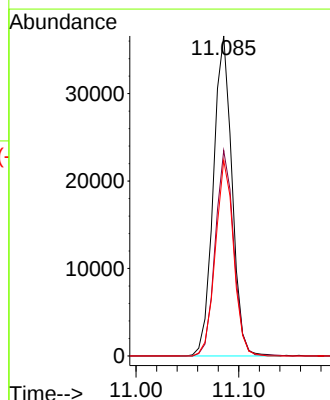
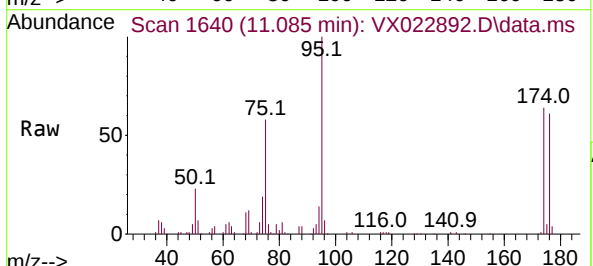
Tgt Ion: 95 Resp: 46069

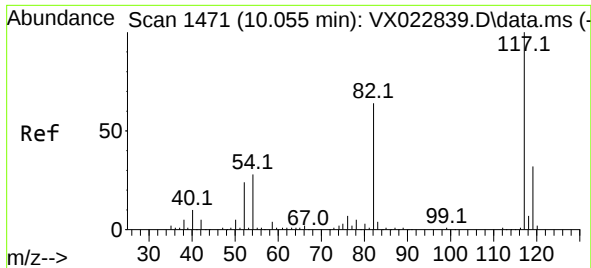
Ion Ratio Lower Upper

95 100

174 63.4 0.0 154.6

176 59.7 0.0 155.8

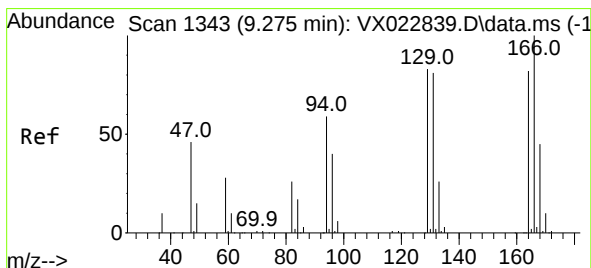
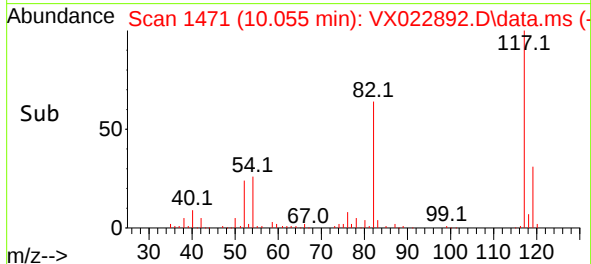
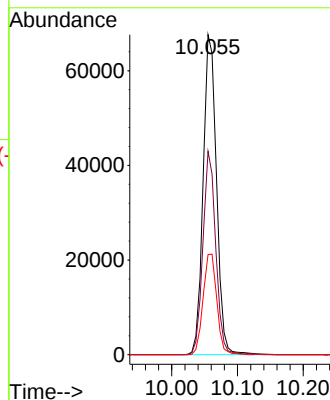
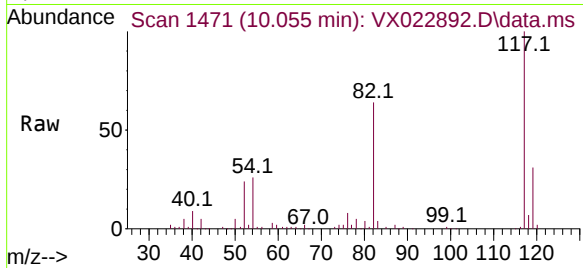




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

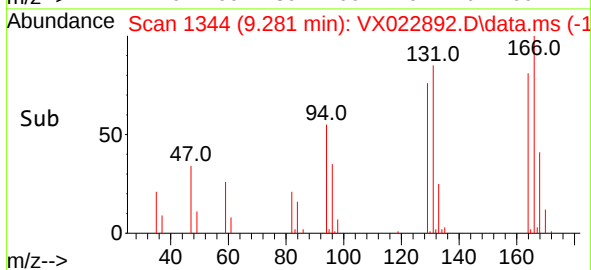
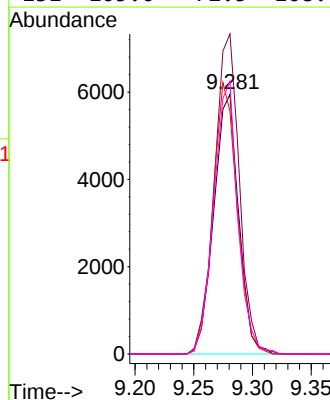
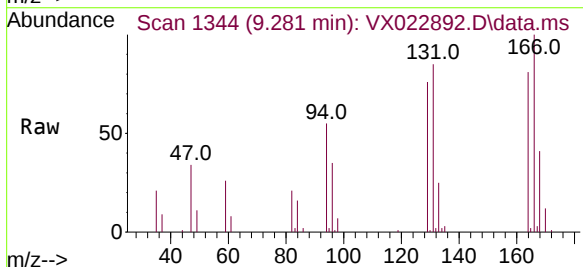
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

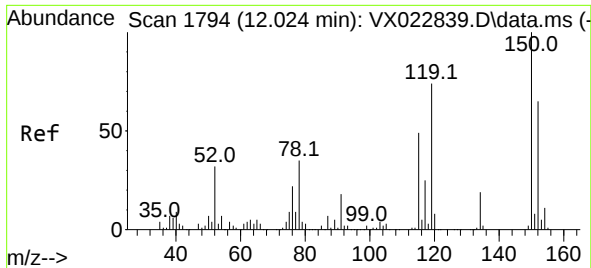
Tgt Ion:	117	Resp:	95521
Ion	Ratio	Lower	Upper
117	100		
82	63.5	47.4	71.2
119	31.3	26.6	39.8



#64
Tetrachloroethene
Concen: 13.03 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion:	164	Resp:	8748
Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.4	155.2
129	93.5	70.8	106.2
131	105.0	72.5	108.7

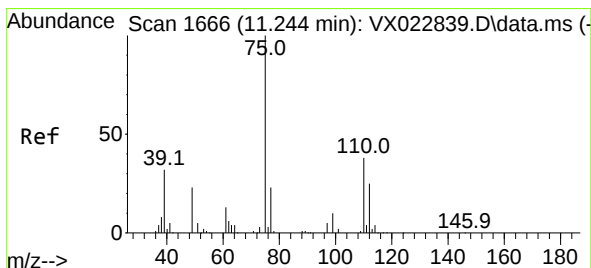
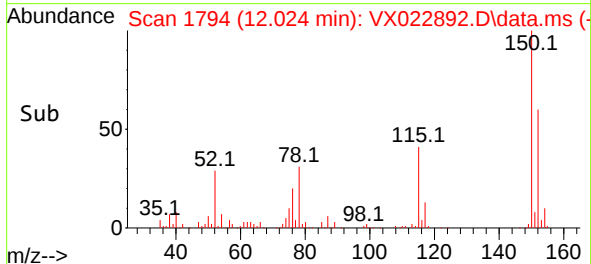
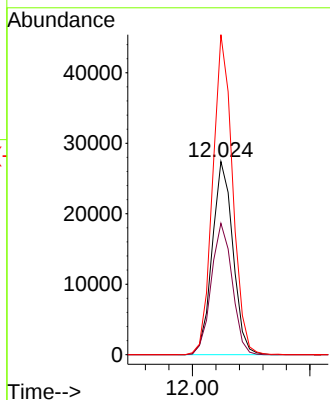
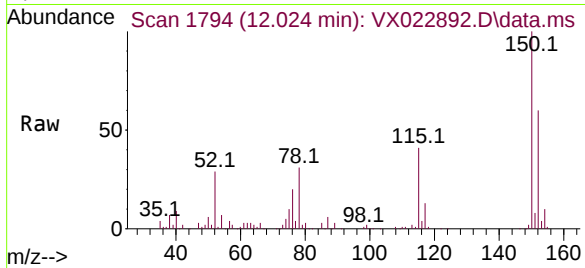




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022892.D
 Acq: 25 Jun 2021 01:36

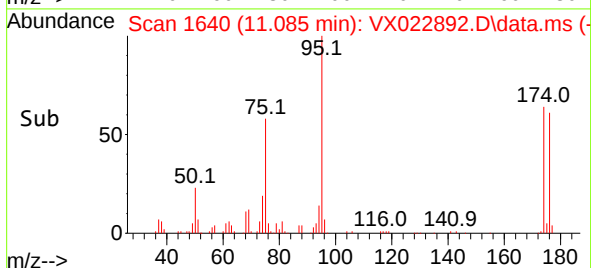
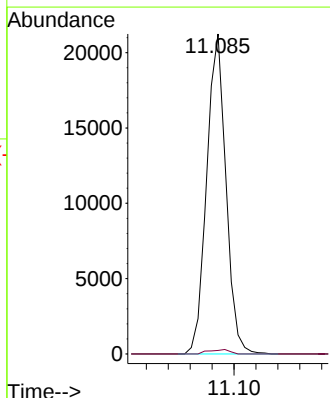
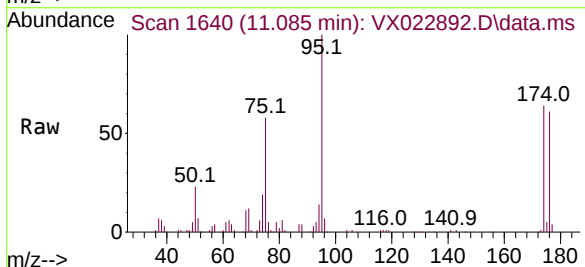
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20210621

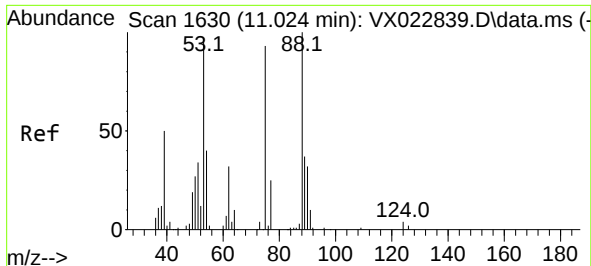
Tgt Ion:152 Resp: 33505
 Ion Ratio Lower Upper
 152 100
 115 68.6 41.1 123.3
 150 159.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.26 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022892.D
 Acq: 25 Jun 2021 01:36

Tgt Ion: 75 Resp: 25899
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#

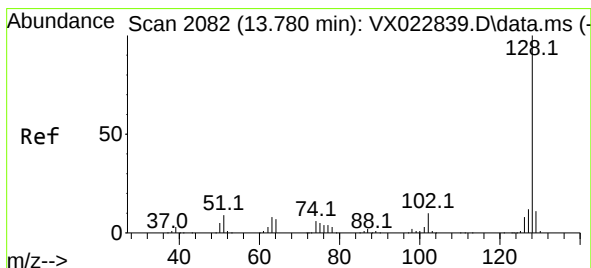
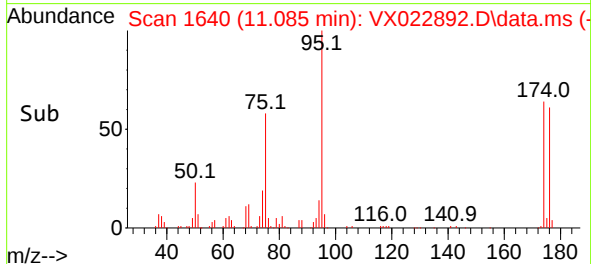
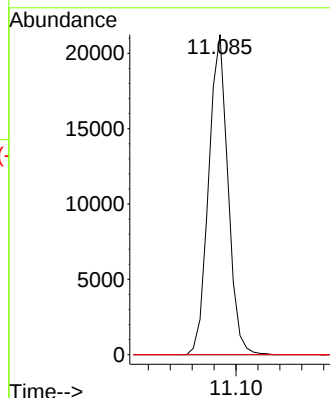
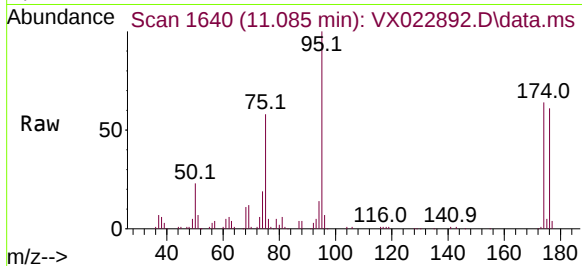




#81
trans-1,4-Dichloro-2-butene
Concen: 75.26 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210621

Tgt Ion: 75 Resp: 25899
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.96 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022892.D
Acq: 25 Jun 2021 01:36

Tgt Ion:128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

