

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071684.D
 Acq On : 31 Mar 2022 02:08
 Operator : JC\MD
 Sample : N2075-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D3-20220322

Quant Time: Mar 31 07:46:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

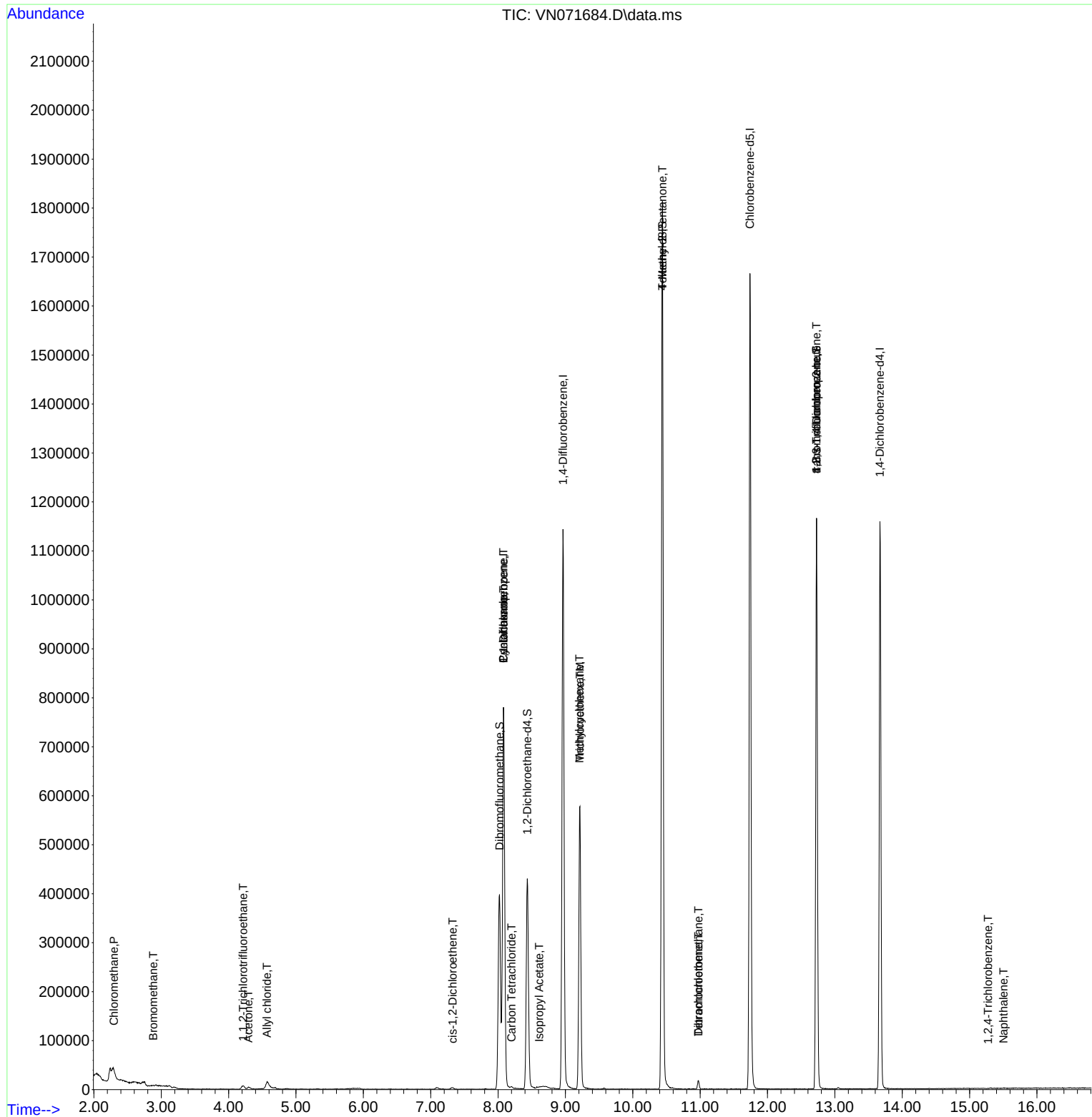
Internal Standards						
1) Pentafluorobenzene	8.081	168	625996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1068138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1033565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	345394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	361265	50.551	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.100%		
35) Dibromofluoromethane	8.022	113	308148	49.026	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.060%		
50) Toluene-d8	10.439	98	1324977	51.531	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.060%		
62) 4-Bromofluorobenzene	12.727	95	413952	49.780	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 99.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3302	0.524	ug/l #	65
5) Bromomethane	2.881	94	1266	0.281	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.216	101	5291	0.974	ug/l	98
14) Allyl chloride	4.569	41	2180	0.260	ug/l #	30
16) Acetone	4.293	43	5735	1.878	ug/l #	85
18) Methyl Acetate	4.857	43	2314	Below Cal	#	48
27) cis-1,2-Dichloroethene	7.328	96	1566	0.225	ug/l	91
31) Cyclohexane	8.081	56	11655	1.199	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42387	4.829	ug/l #	49
38) Carbon Tetrachloride	8.198	117	2673	0.311	ug/l	92
39) Methylcyclohexane	9.210	83	2605	0.249	ug/l #	1
43) Isopropyl Acetate	8.610	43	3583	0.224	ug/l #	53
44) Trichloroethene	9.216	130	230977	32.335	ug/l	99
49) 1,4-Dioxane	9.575	88	1515	Below Cal	#	35
51) 4-Methyl-2-Pentanone	10.439	43	4873	0.530	ug/l #	1
60) Dibromochloromethane	10.975	129	4032	0.573	ug/l #	11
64) Tetrachloroethene	10.975	164	4238	0.621	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	206109	25.759	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	206109	79.827	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.274	180	68	2.098	ug/l #	77
95) Naphthalene	15.504	128	588	3.837	ug/l #	69

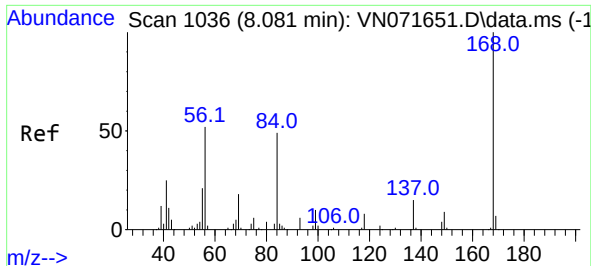
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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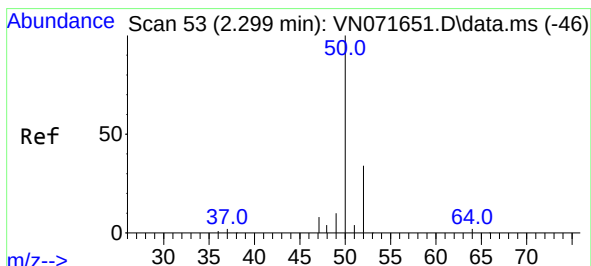
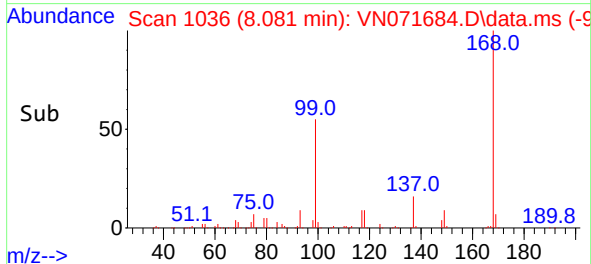
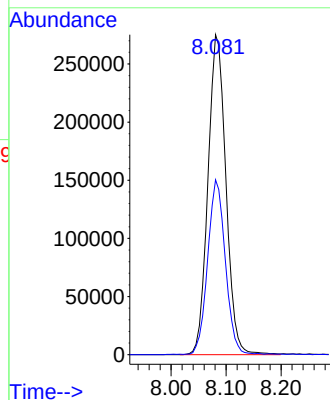
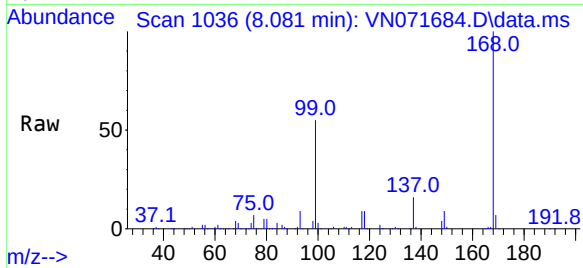




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

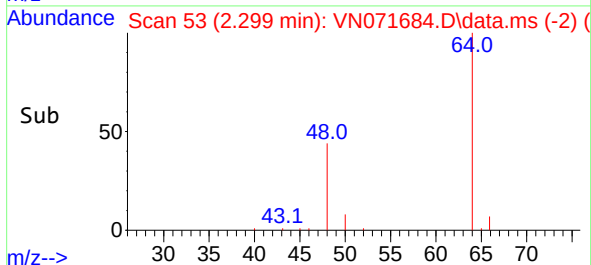
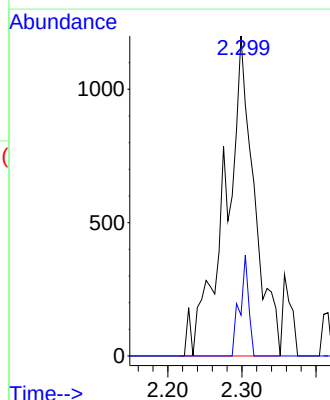
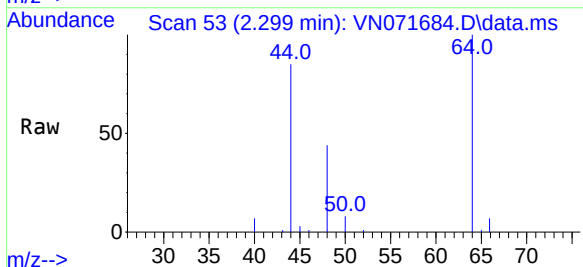
Instrument :
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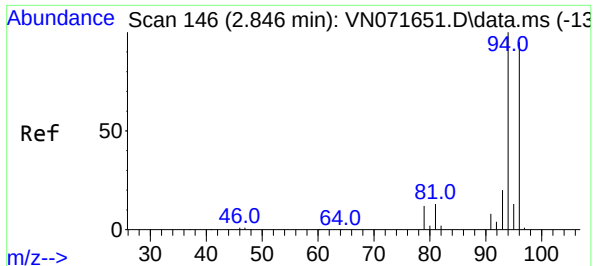
Tgt Ion:168 Resp: 625996
Ion Ratio Lower Upper
168 100
99 54.5 42.3 63.5



#3
Chloromethane
Concen: 0.524 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 50 Resp: 3302
Ion Ratio Lower Upper
50 100
52 12.8 25.7 38.5#

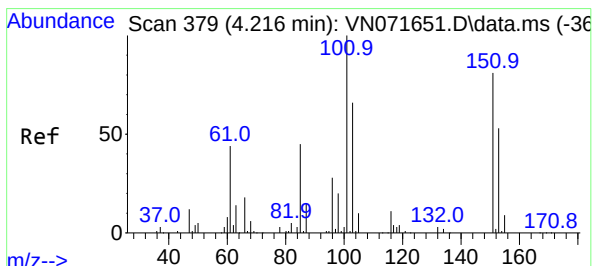
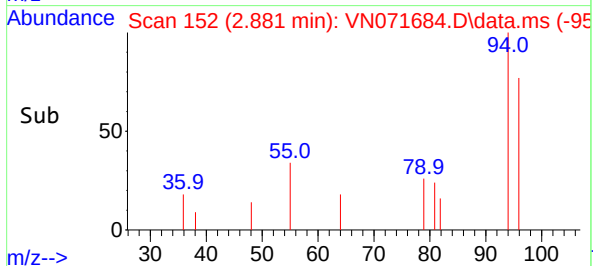
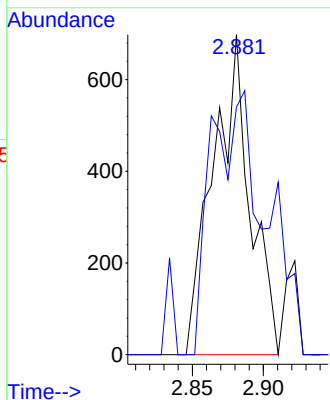
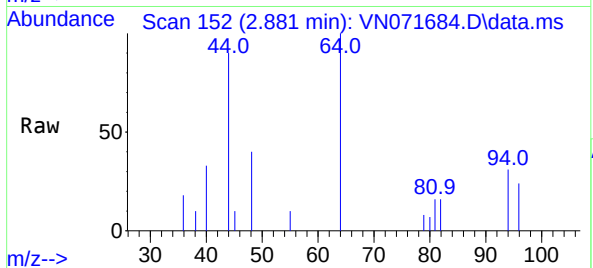




#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

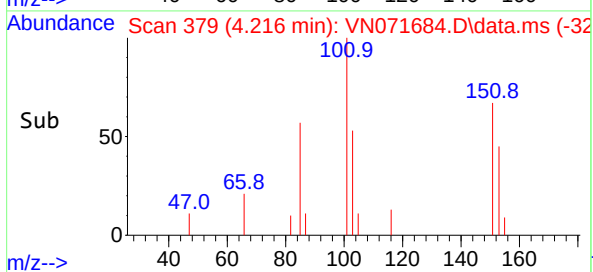
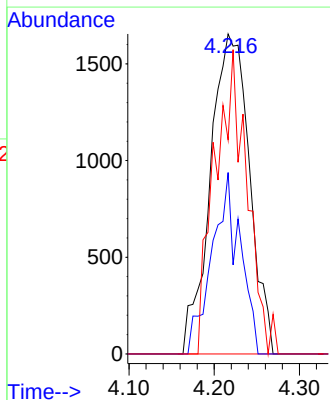
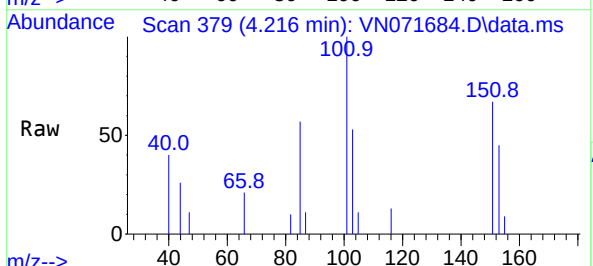
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

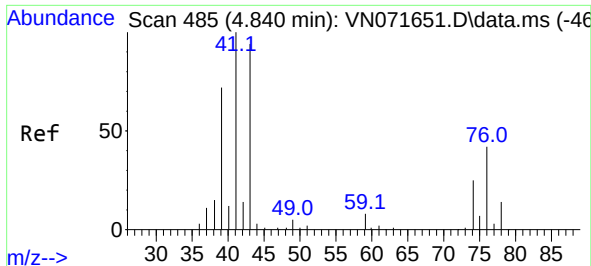
Tgt Ion: 94 Resp: 1266
Ion Ratio Lower Upper
94 100
96 77.4 76.0 114.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.974 ug/l
RT: 4.216 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 101 Resp: 5291
Ion Ratio Lower Upper
101 100
85 40.6 34.7 52.1
151 77.8 63.0 94.4

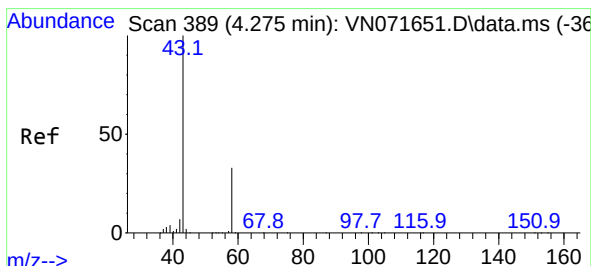
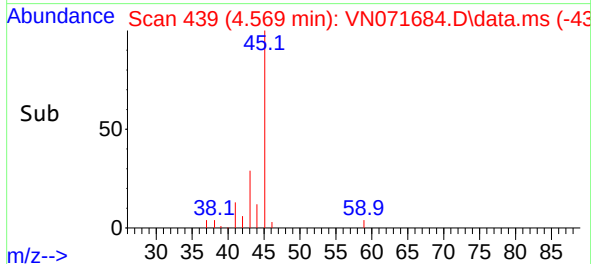
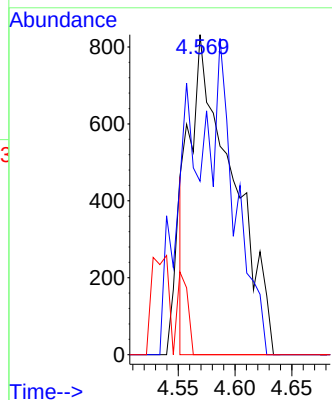
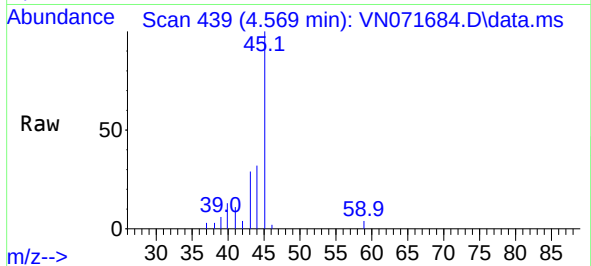




#14
Allyl chloride
Concen: 0.260 ug/l
RT: 4.569 min Scan# 41
Delta R.T. -0.271 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

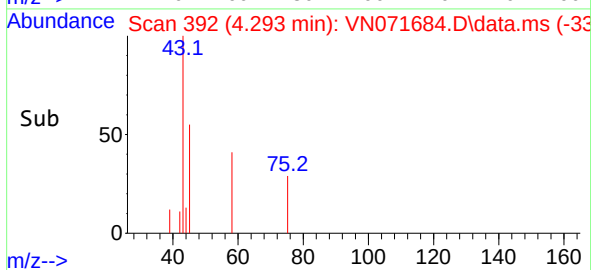
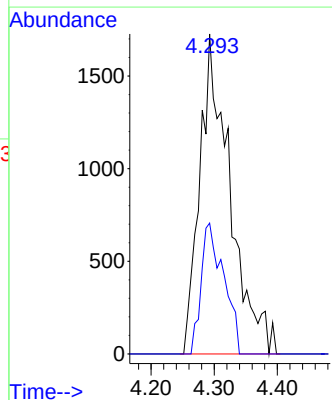
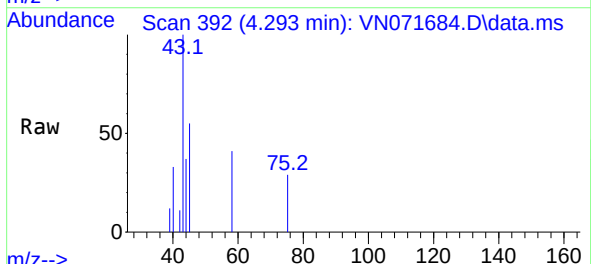
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

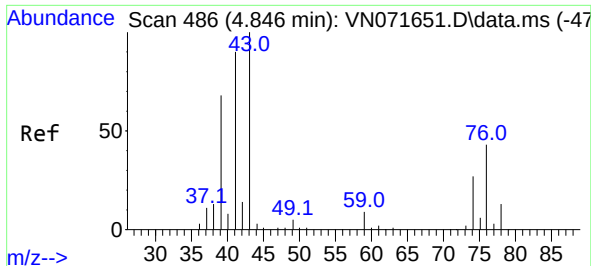
Tgt Ion: 41 Resp: 2180
Ion Ratio Lower Upper
41 100
39 7.2 53.2 79.8#
76 0.0 29.9 44.9#



#16
Acetone
Concen: 1.878 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
58 40.9 26.0 39.0#

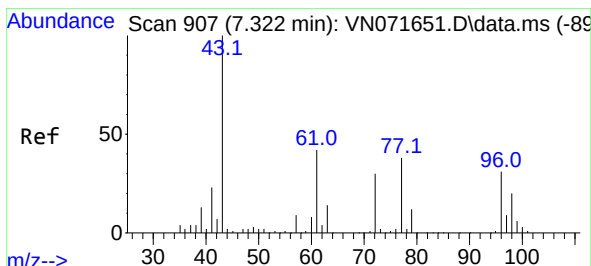
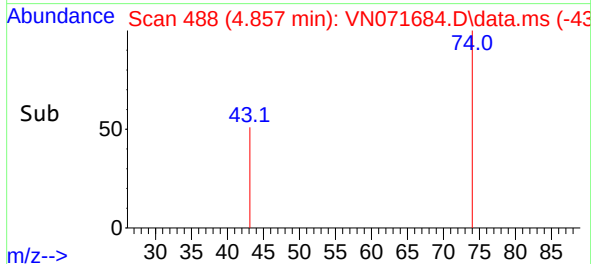
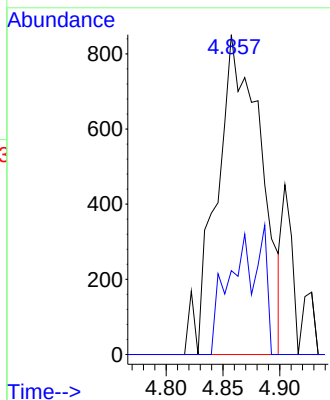
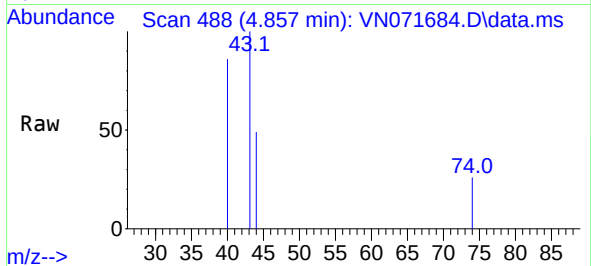




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

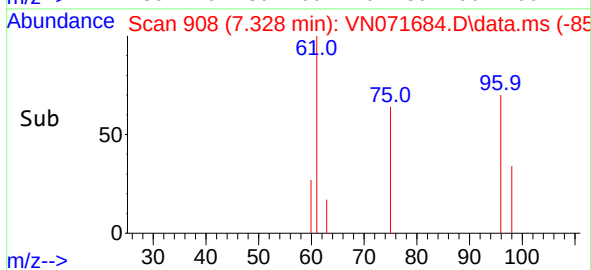
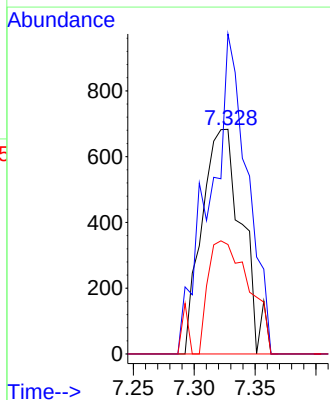
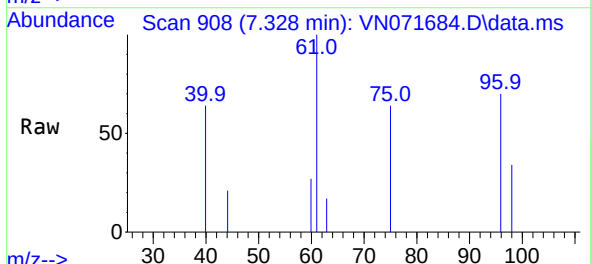
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

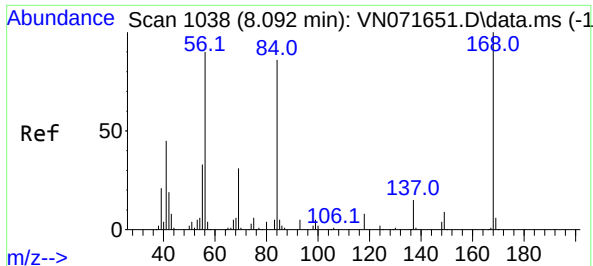
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#27
cis-1,2-Dichloroethene
Concen: 0.225 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 96 Resp: 1566
Ion Ratio Lower Upper
96 100
61 133.0 0.0 280.6
98 51.7 0.0 128.4





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071684.D

Acq: 31 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

RE109D3-20220322

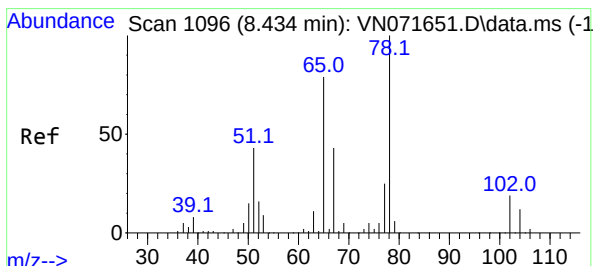
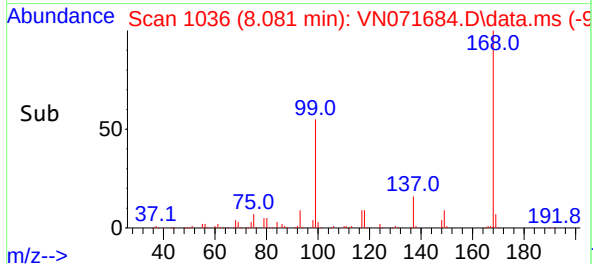
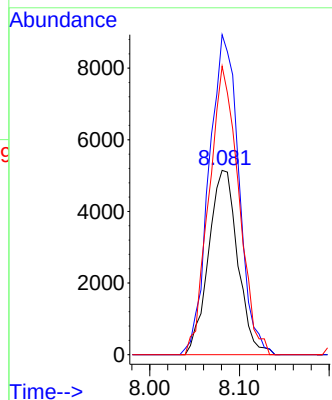
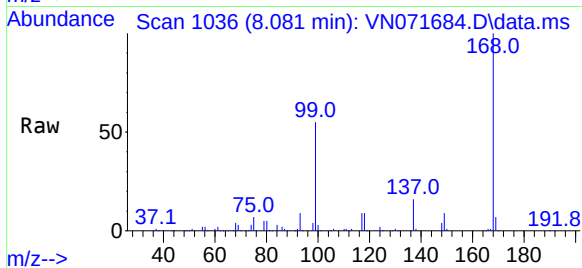
Tgt Ion: 56 Resp: 11655

Ion Ratio Lower Upper

56 100

69 173.6 27.8 41.8#

84 156.5 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.551 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071684.D

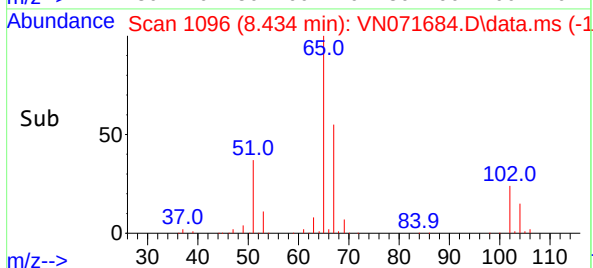
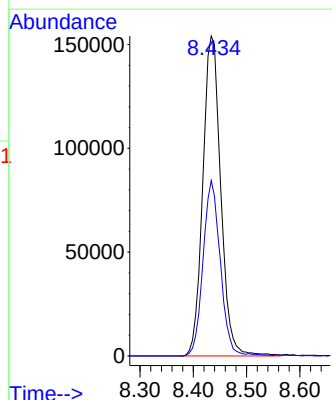
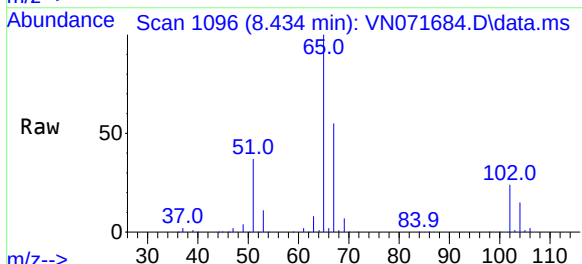
Acq: 31 Mar 2022 02:08

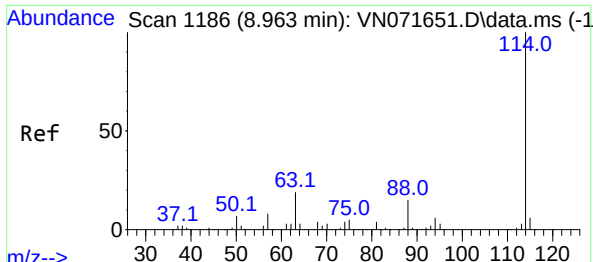
Tgt Ion: 65 Resp: 361265

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071684.D

Acq: 31 Mar 2022 02:08

Instrument :

MSVOA_N

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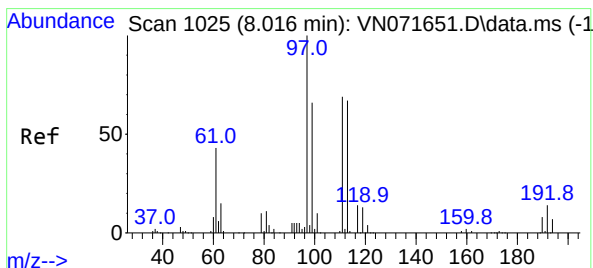
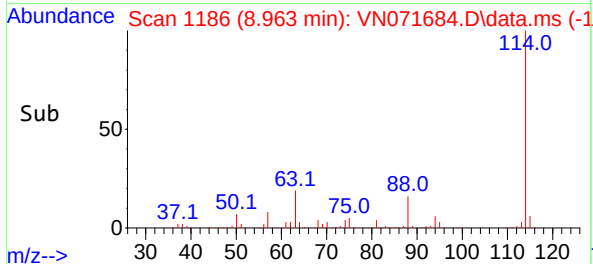
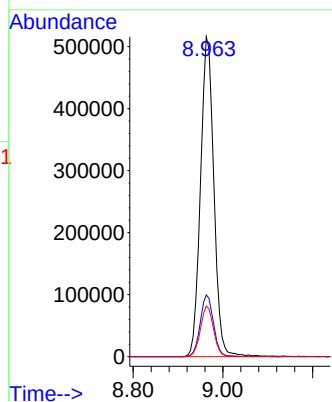
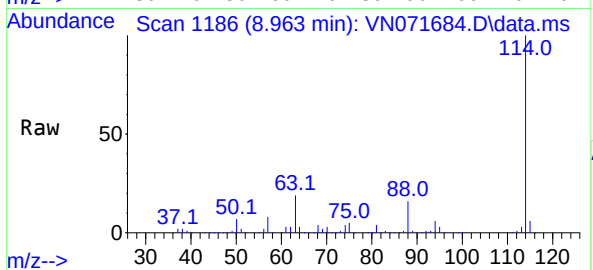
Tgt Ion:114 Resp: 1068138

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.026 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071684.D

Acq: 31 Mar 2022 02:08

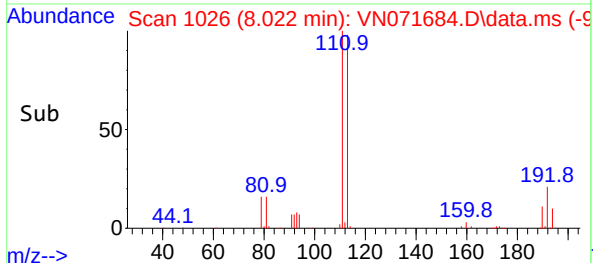
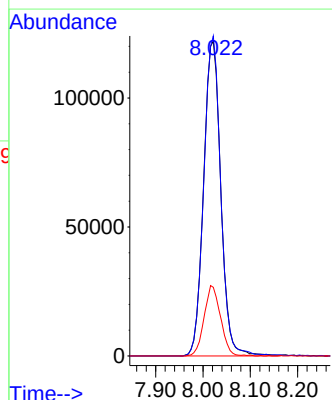
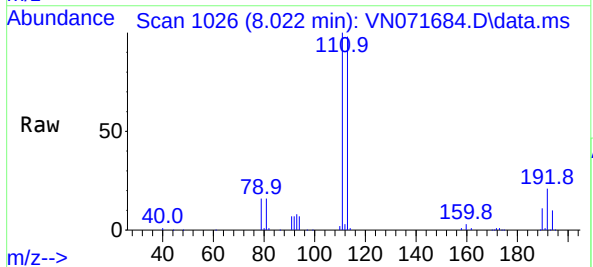
Tgt Ion:113 Resp: 308148

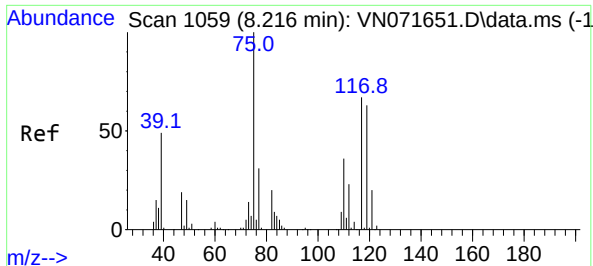
Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 21.3 17.0 25.6

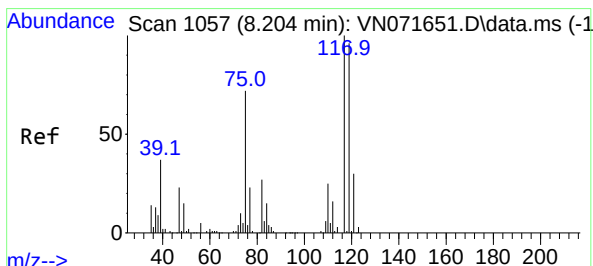
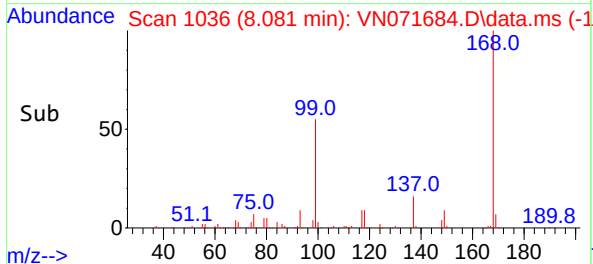
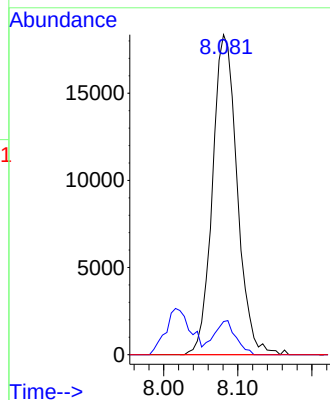
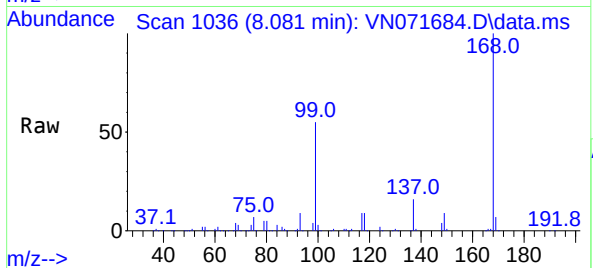




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.135 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

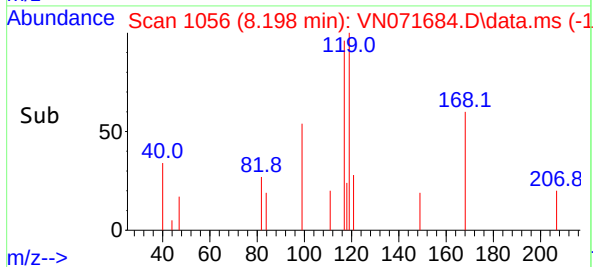
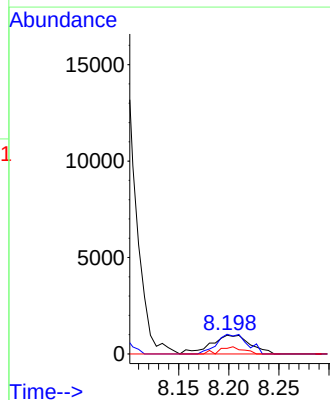
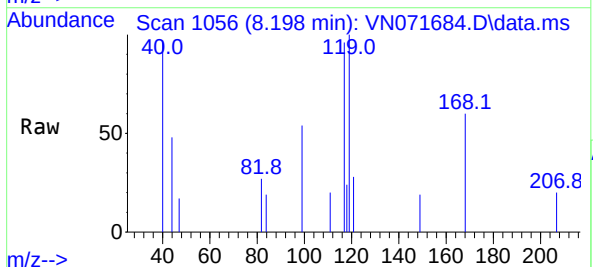
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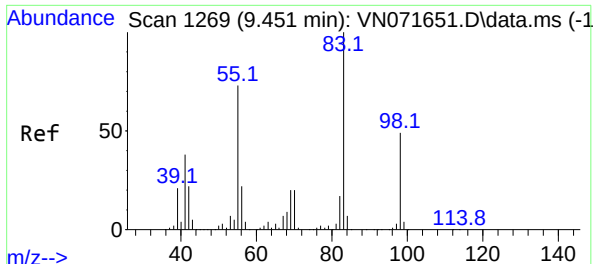
Tgt Ion: 75 Resp: 42387
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 0.311 ug/l
RT: 8.198 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 117 Resp: 2673
Ion Ratio Lower Upper
117 100
119 104.6 75.8 113.8
121 29.8 24.6 37.0

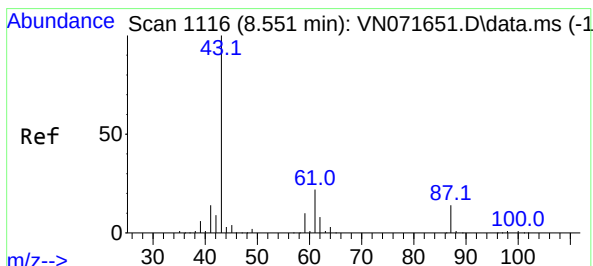
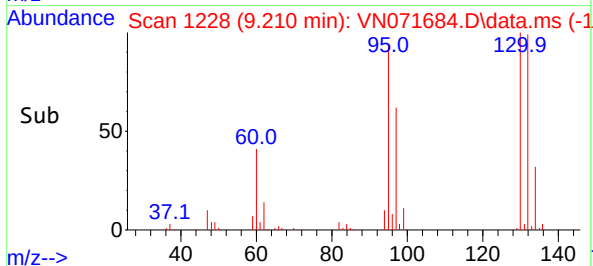
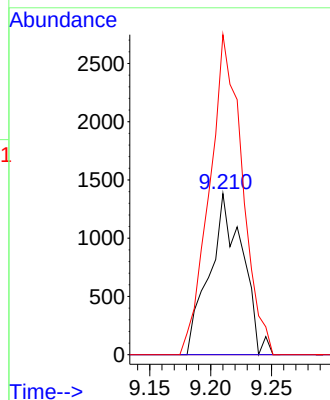
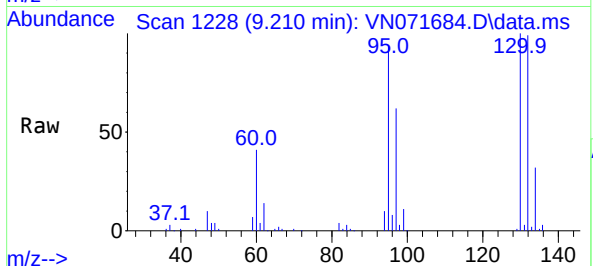




#39
Methylcyclohexane
Concen: 0.249 ug/l
RT: 9.210 min Scan# 1128
Delta R.T. -0.241 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

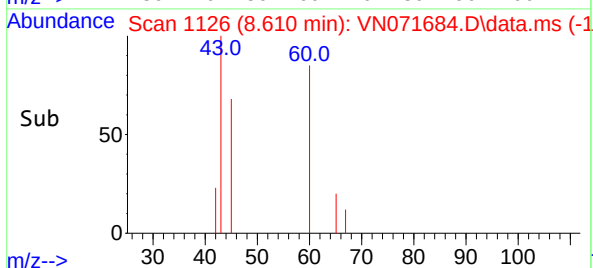
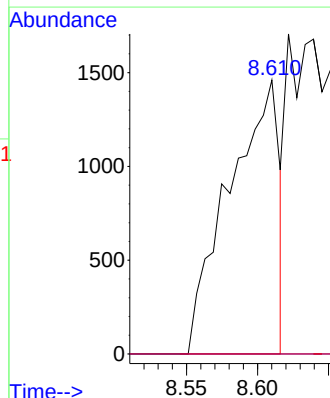
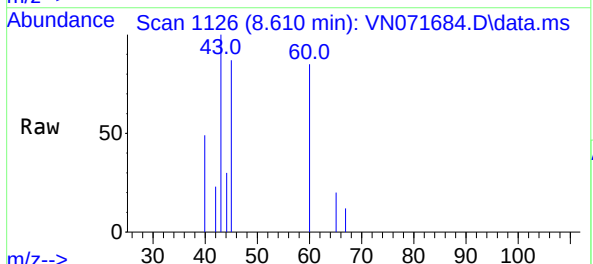
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

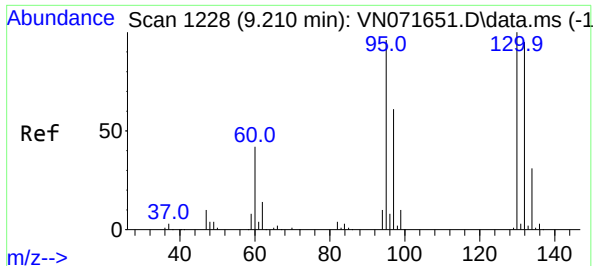
Tgt Ion: 83 Resp: 2605
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 198.5 39.4 59.2#



#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 8.610 min Scan# 1126
Delta R.T. 0.059 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#44

Trichloroethene

Concen: 32.335 ug/l

RT: 9.216 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN071684.D

Acq: 31 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

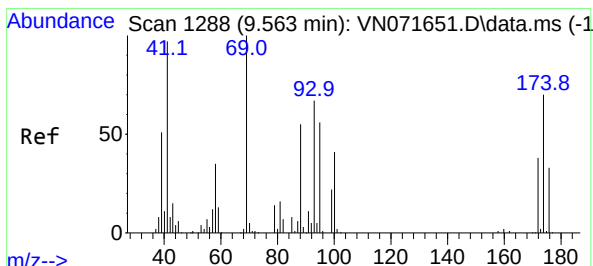
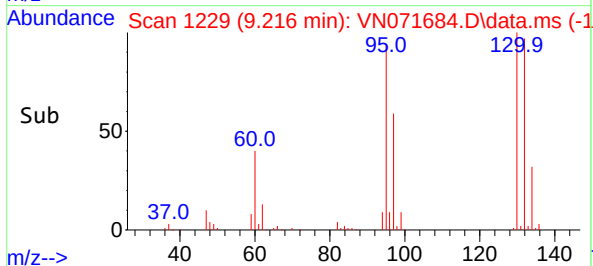
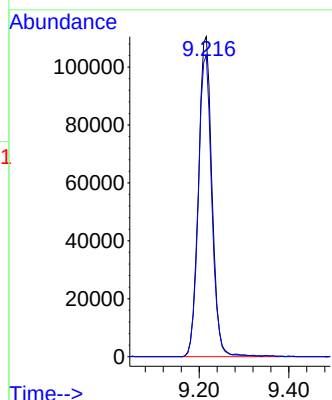
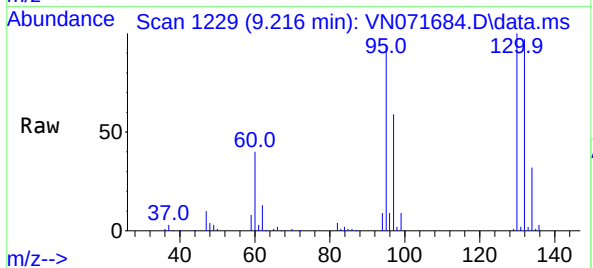
RE109D3-20220322

Tgt Ion:130 Resp: 230977

Ion Ratio Lower Upper

130 100

95 94.2 0.0 186.8



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN071684.D

Acq: 31 Mar 2022 02:08

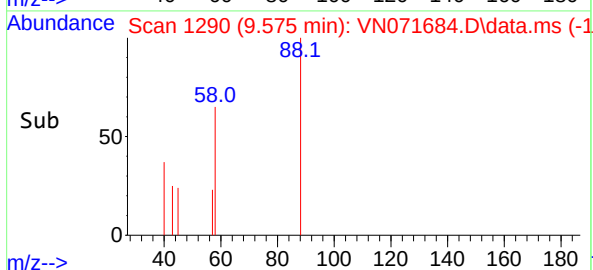
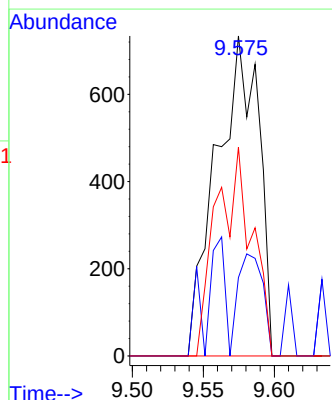
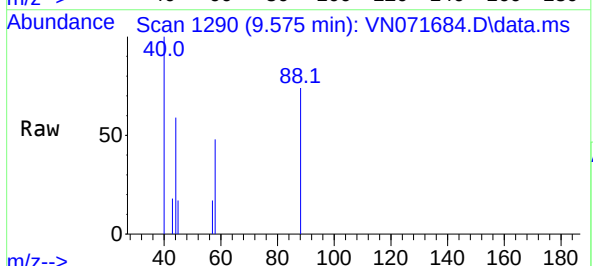
Tgt Ion: 88 Resp: 1515

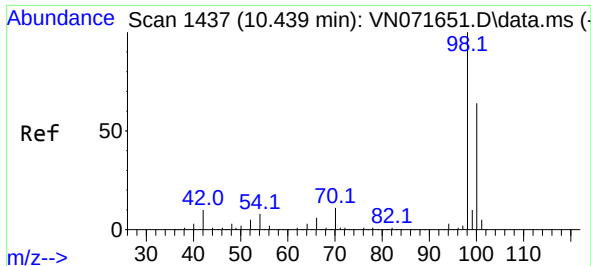
Ion Ratio Lower Upper

88 100

43 18.7 20.2 30.4#

58 0.0 54.2 81.4#

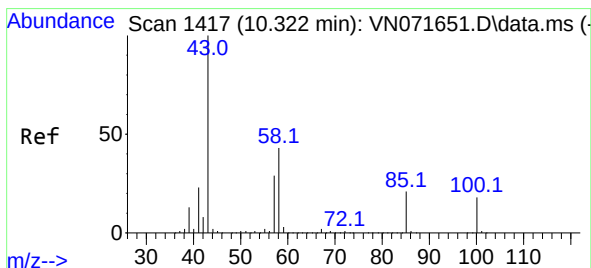
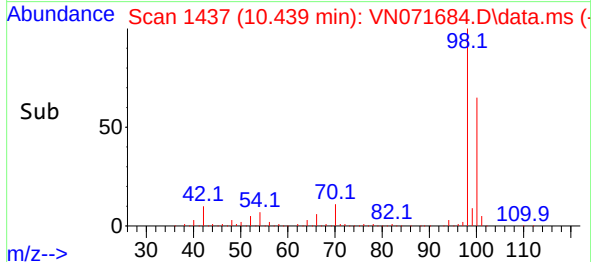
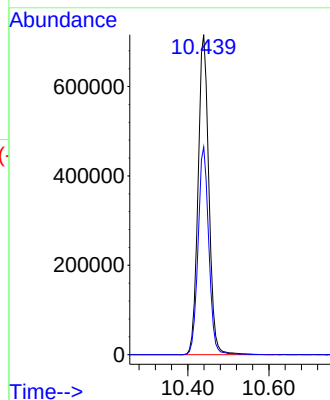
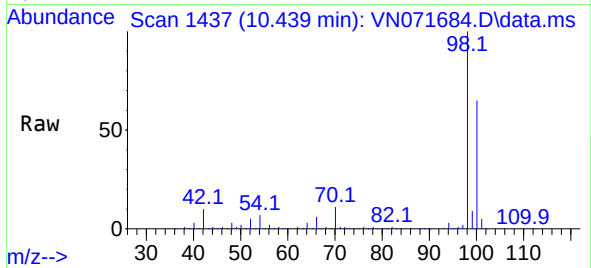




#50
Toluene-d8
Concen: 51.531 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

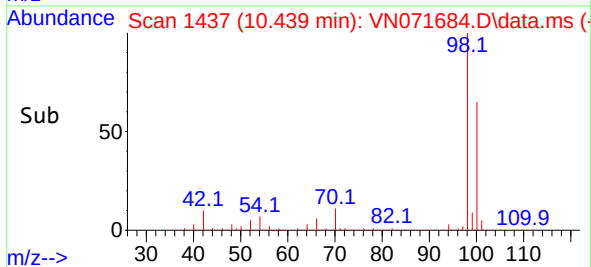
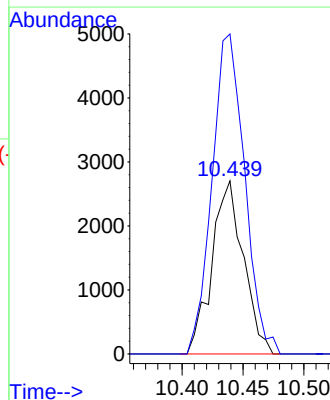
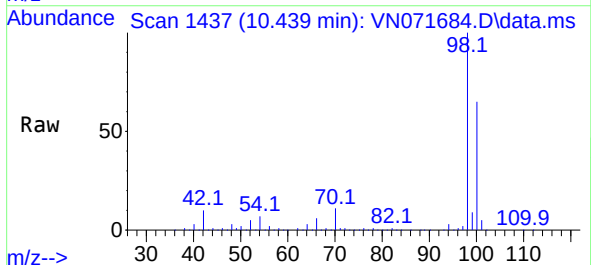
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

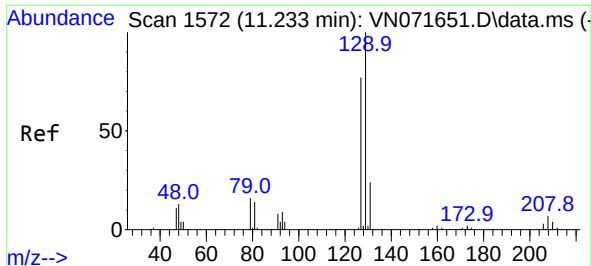
Tgt Ion: 98 Resp: 1324977
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.117 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 43 Resp: 4873
Ion Ratio Lower Upper
43 100
58 191.6 34.1 51.1#

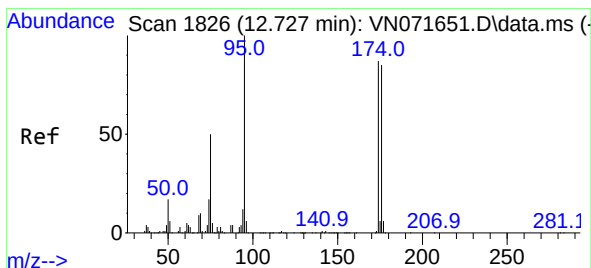
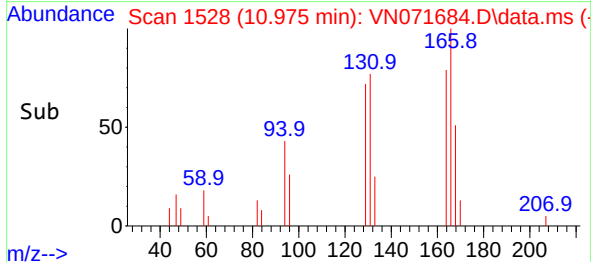
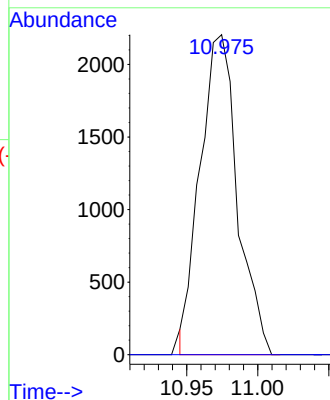
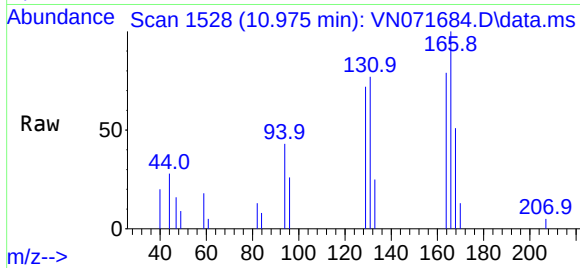




#60
Dibromochloromethane
Concen: 0.573 ug/l
RT: 10.975 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

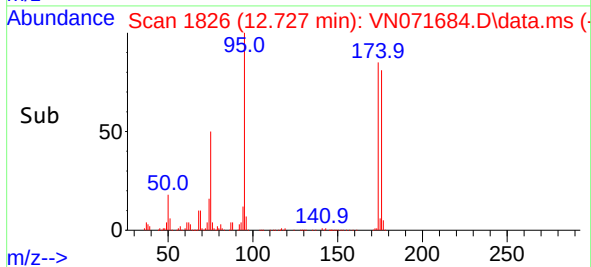
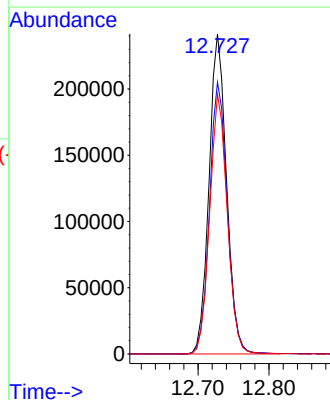
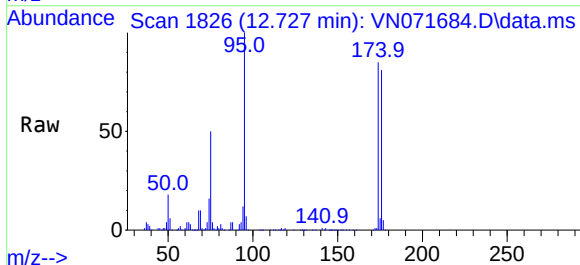
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

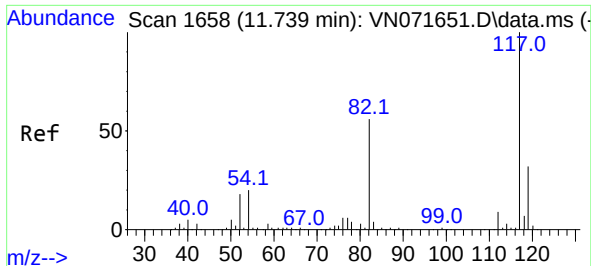
Tgt Ion:129 Resp: 4032
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.780 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 95 Resp: 413952
Ion Ratio Lower Upper
95 100
174 86.3 0.0 167.6
176 81.2 0.0 163.4

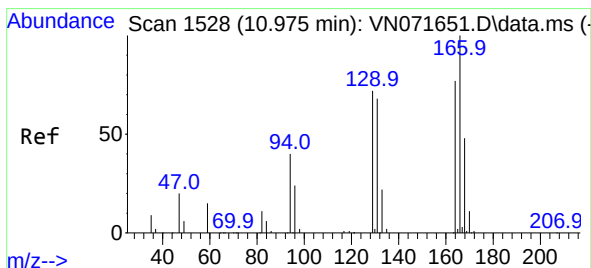
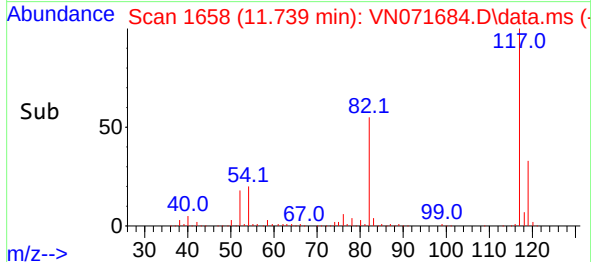
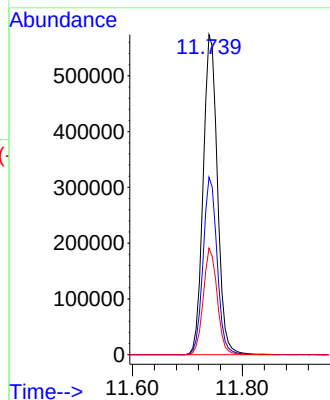
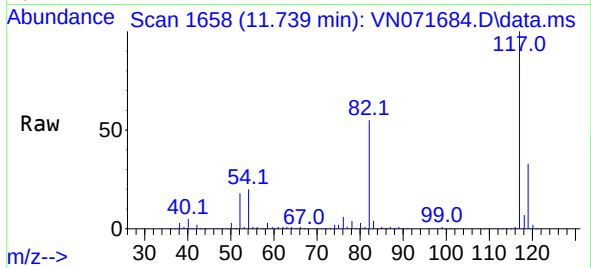




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

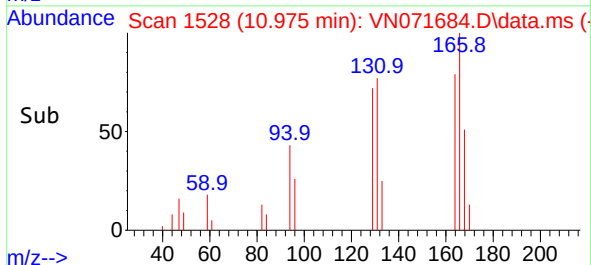
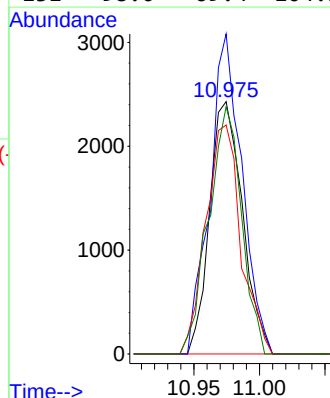
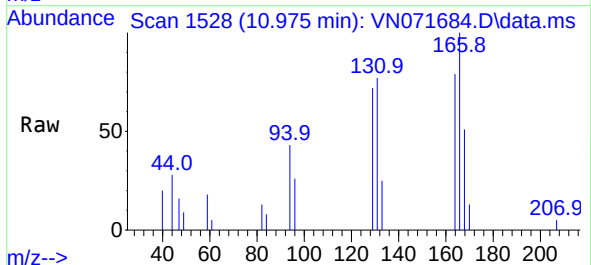
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

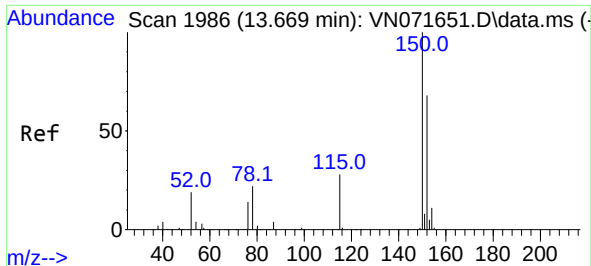
Tgt Ion:117 Resp: 1033565
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 33.3 25.4 38.0



#64
Tetrachloroethene
Concen: 0.621 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion:164 Resp: 4238
Ion Ratio Lower Upper
164 100
166 126.8 104.2 156.2
129 90.8 73.9 110.9
131 98.0 69.4 104.2

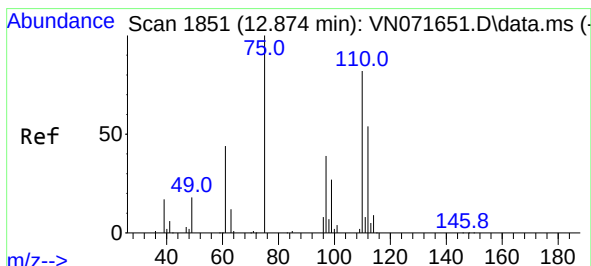
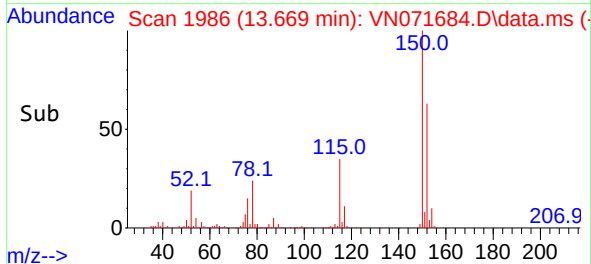
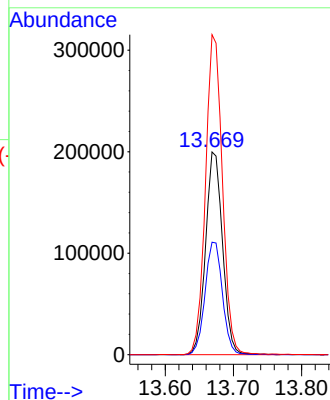
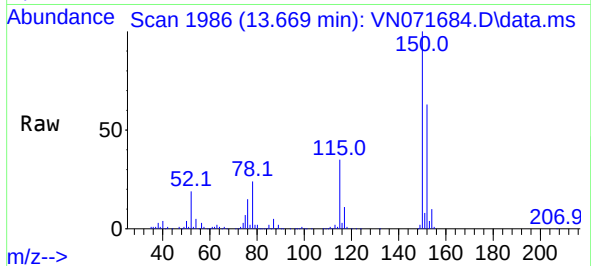




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

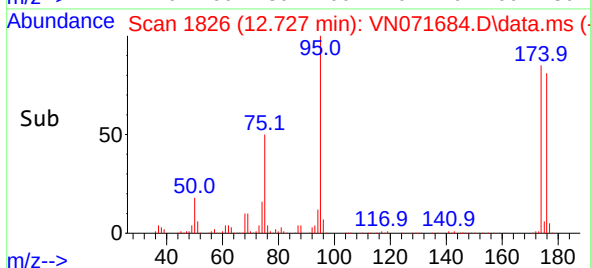
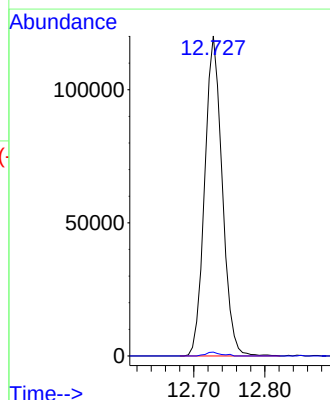
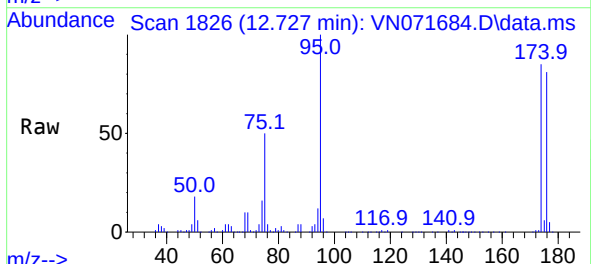
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

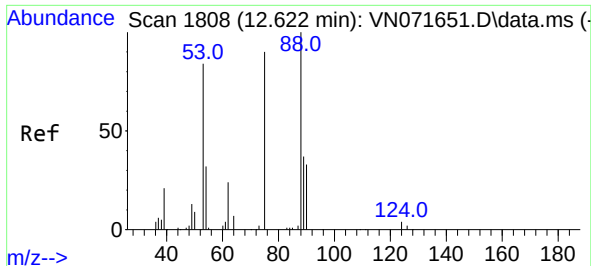
Tgt Ion:152 Resp: 345394
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 157.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 25.759 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Tgt Ion: 75 Resp: 206109
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

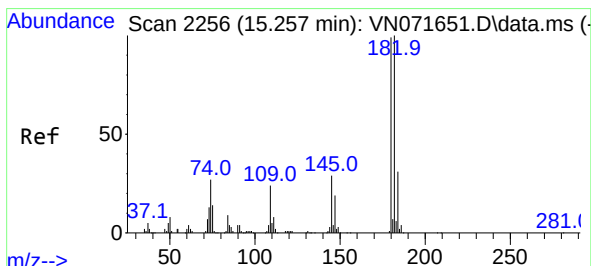
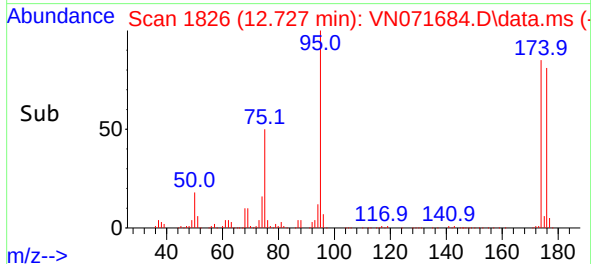
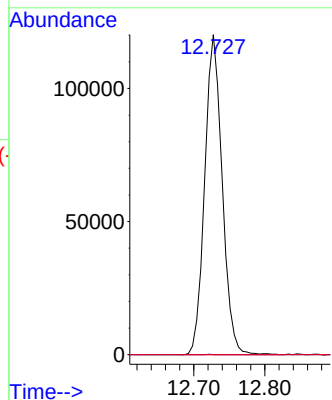
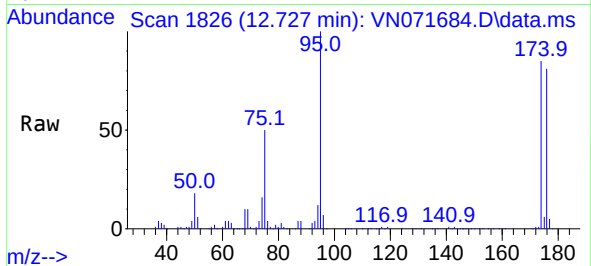




#81
trans-1,4-Dichloro-2-butene
Concen: 79.827 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

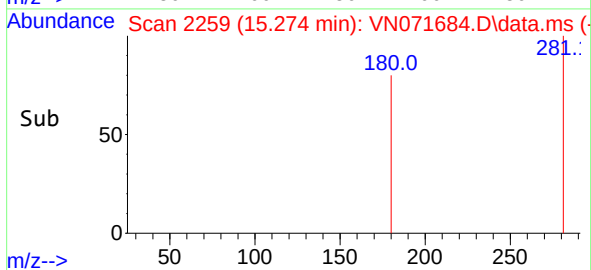
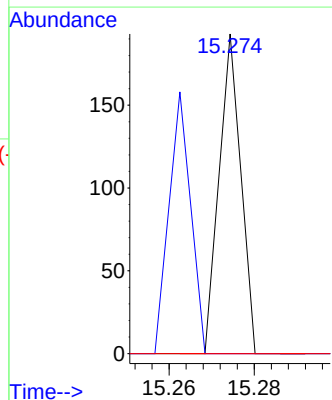
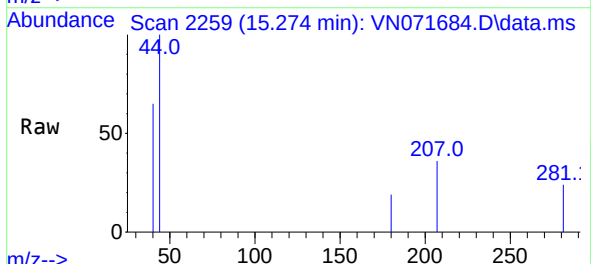
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322

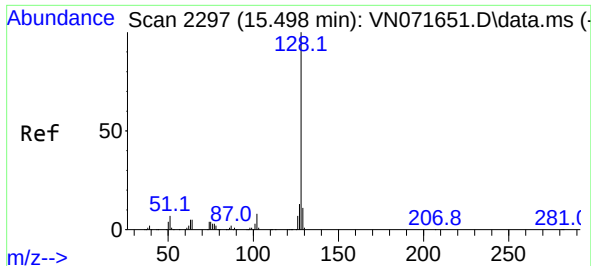
Tgt Ion: 75 Resp: 206109
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.098 ug/l
RT: 15.274 min Scan# 2259
Delta R.T. 0.017 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

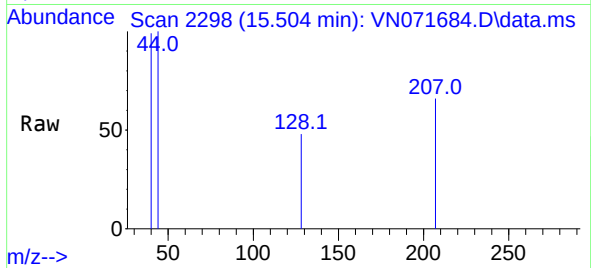
Tgt Ion:180 Resp: 68
Ion Ratio Lower Upper
180 100
182 82.4 47.5 142.5
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 3.837 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071684.D
Acq: 31 Mar 2022 02:08

Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20220322



Tgt Ion:128 Resp: 588
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

