

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071476.D
 Acq On : 22 Mar 2022 18:58
 Operator : JC\MD
 Sample : N2040-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20220317RE

Quant Time: Mar 23 07:10:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	688143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1189664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1136540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	401950	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	469102	49.739	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.480%
35) Dibromofluoromethane	8.016	113	353017	47.024	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.040%
50) Toluene-d8	10.439	98	1451309	48.015	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.727	95	546571	53.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.800%

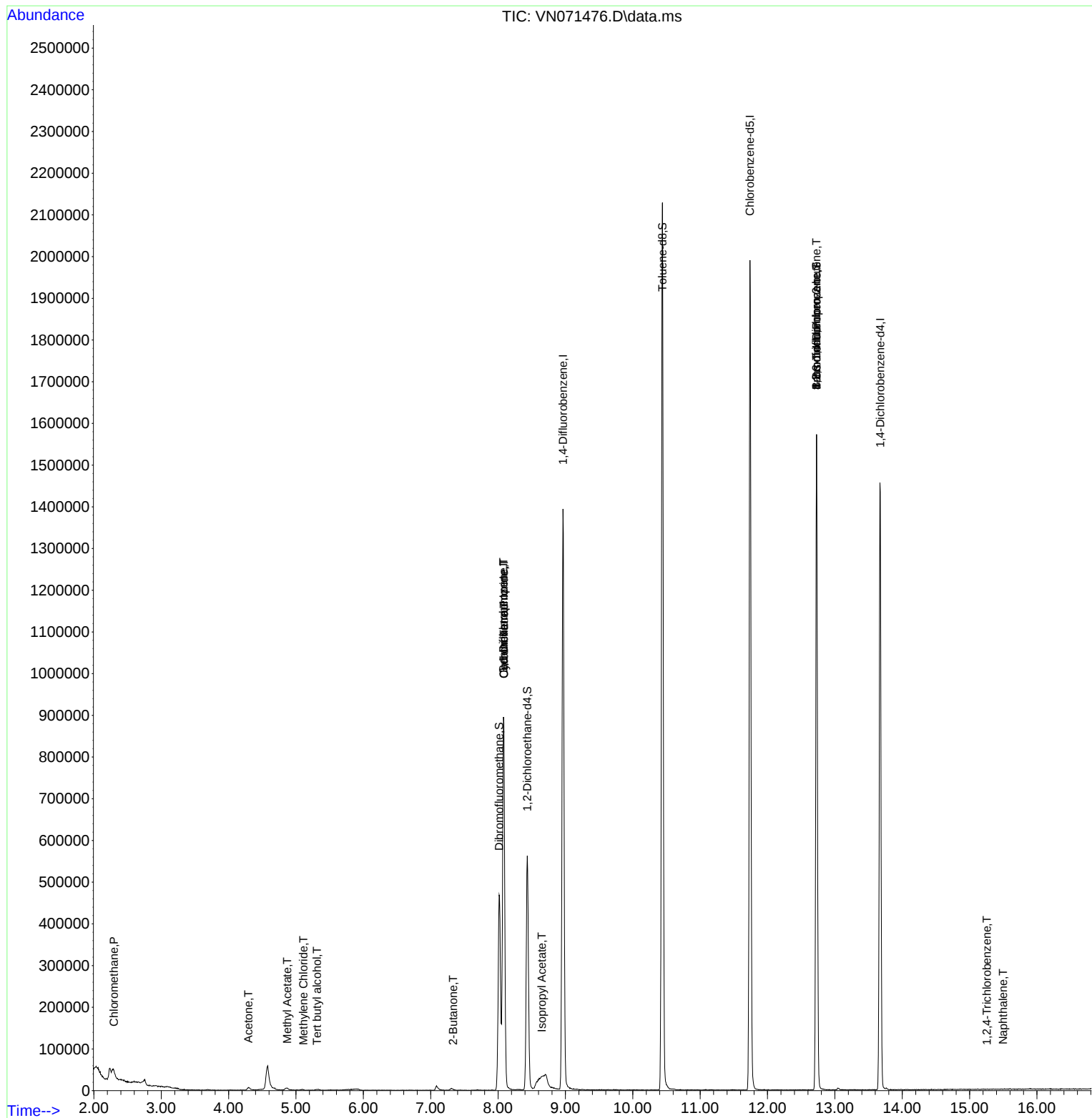
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.299	50	3636	0.325	ug/l	93
5) Bromomethane	2.863	94	695	Below Cal	#	67
11) Tert butyl alcohol	5.310	59	2176	1.174	ug/l #	71
16) Acetone	4.293	43	8752	1.907	ug/l #	58
18) Methyl Acetate	4.869	43	12199	1.451	ug/l #	74
20) Methylene Chloride	5.110	84	1066	0.508	ug/l #	36
25) 2-Butanone	7.334	43	1632	0.221	ug/l #	48
31) Cyclohexane	8.086	56	14891	0.989	ug/l #	19
36) 1,1-Dichloropropene	8.081	75	54564	4.536	ug/l #	49
38) Carbon Tetrachloride	8.086	117	67437	5.796	ug/l #	17
43) Isopropyl Acetate	8.651	43	58389	2.359	ug/l #	57
71) Bromoform	12.727	173	3040	0.447	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	516	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	279663	27.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	279663	75.212	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	115	3.006	ug/l #	12
95) Naphthalene	15.498	128	520	5.093	ug/l #	69

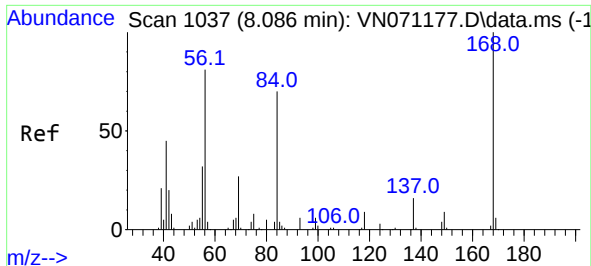
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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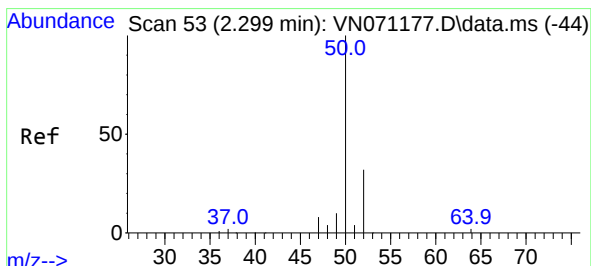
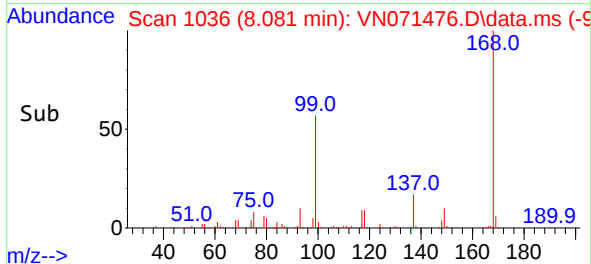
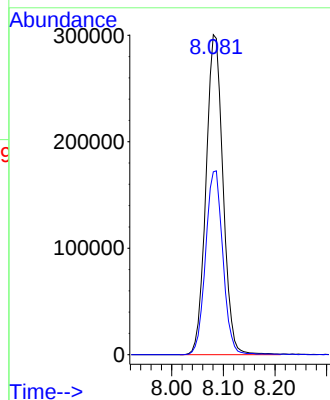
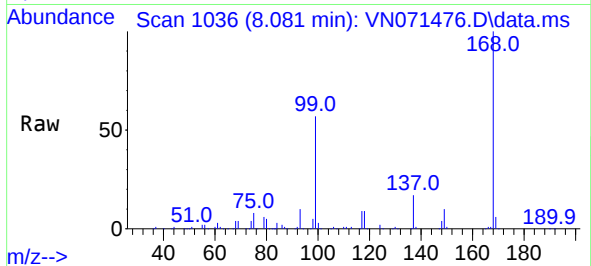




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

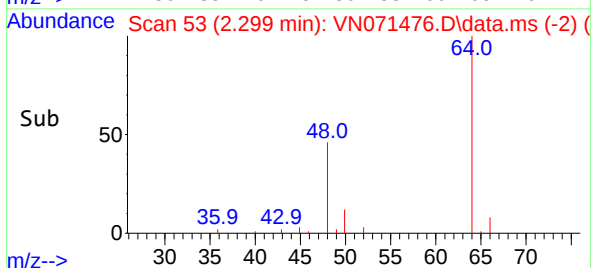
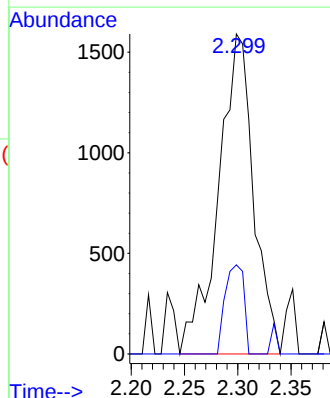
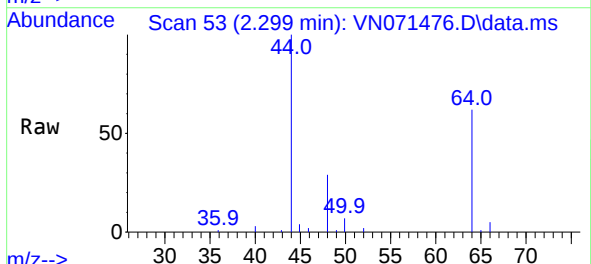
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

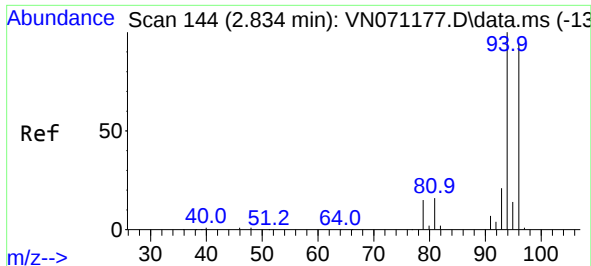
Tgt Ion:168 Resp: 688143
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#3
Chloromethane
Concen: 0.325 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 50 Resp: 3636
Ion Ratio Lower Upper
50 100
52 27.8 25.4 38.0

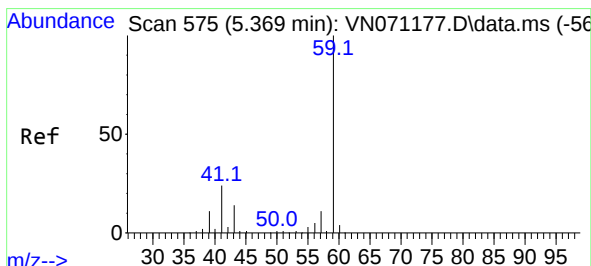
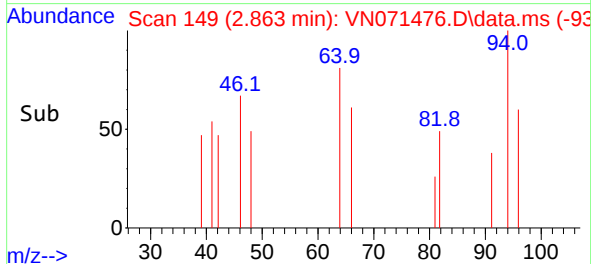
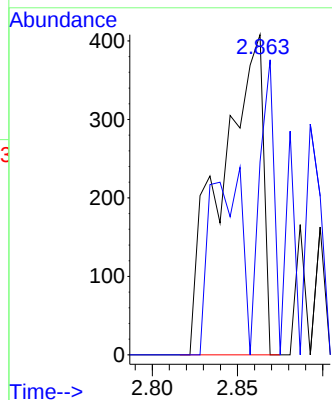
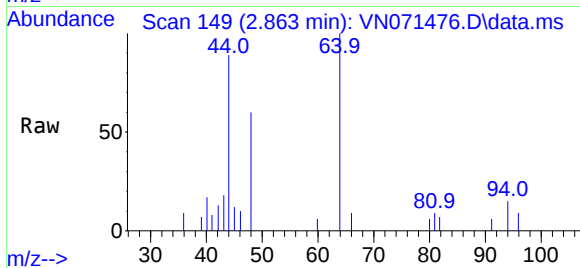




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

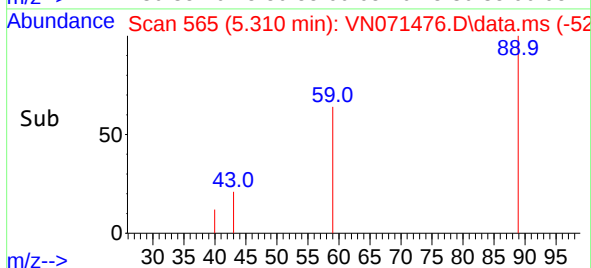
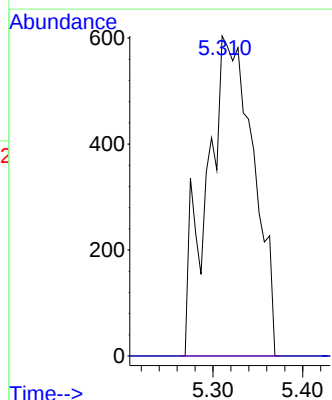
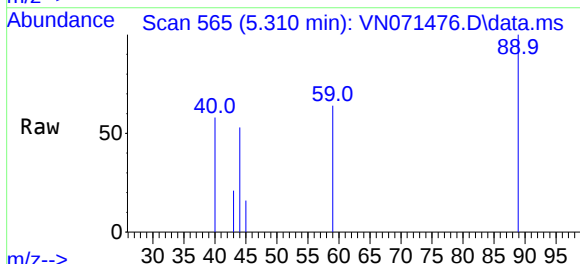
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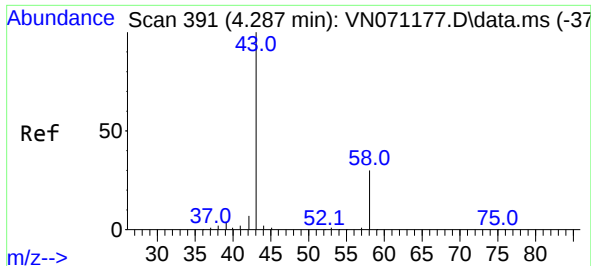
Tgt Ion: 94 Resp: 695
Ion Ratio Lower Upper
94 100
96 60.3 73.8 110.8#



#11
Tert butyl alcohol
Concen: 1.174 ug/l
RT: 5.310 min Scan# 565
Delta R.T. -0.059 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 59 Resp: 2176
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

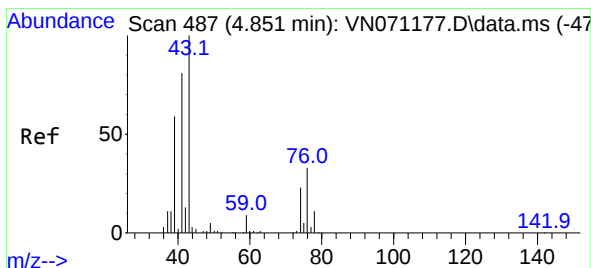
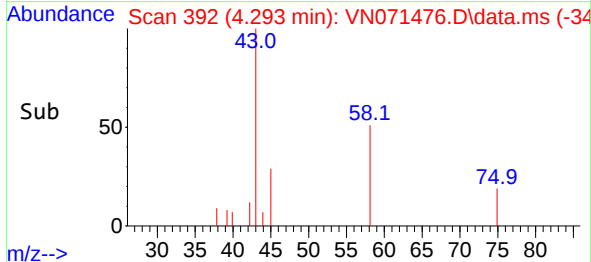
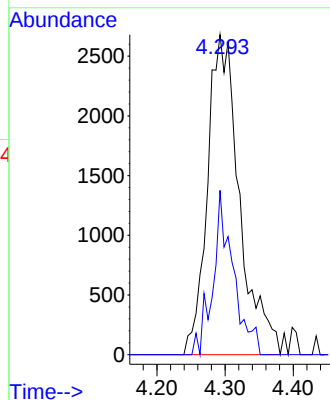
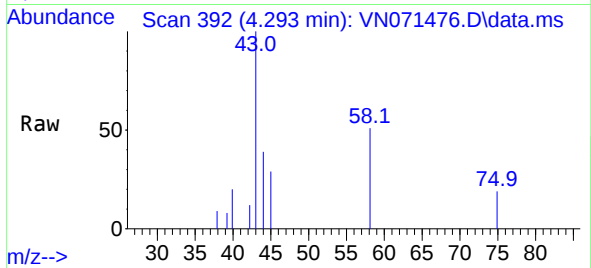




#16
Acetone
Concen: 1.907 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

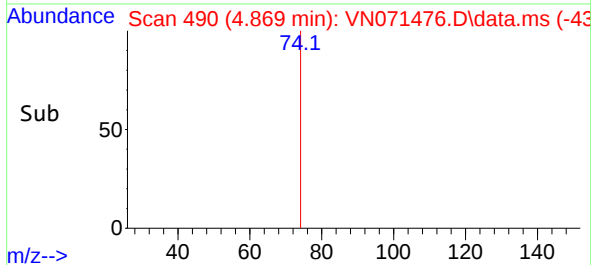
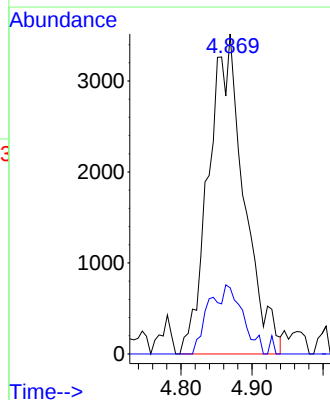
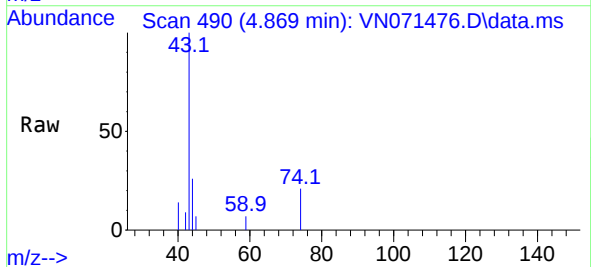
Instrument :
MSVOA_N
ClientSampleId :
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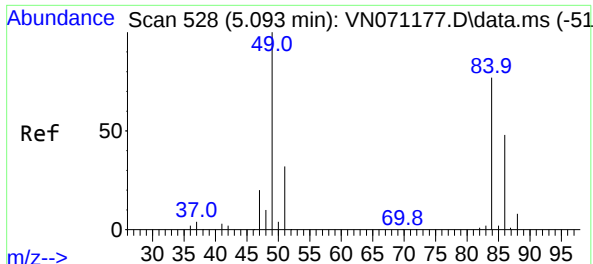
Tgt Ion: 43 Resp: 8752
Ion Ratio Lower Upper
43 100
58 51.3 23.1 34.7#



#18
Methyl Acetate
Concen: 1.451 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 43 Resp: 12199
Ion Ratio Lower Upper
43 100
74 11.3 19.4 29.2#

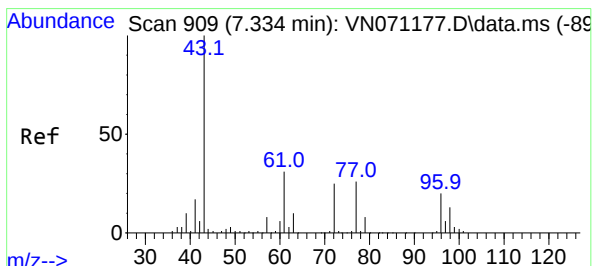
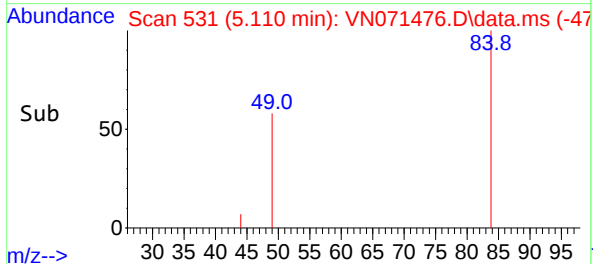
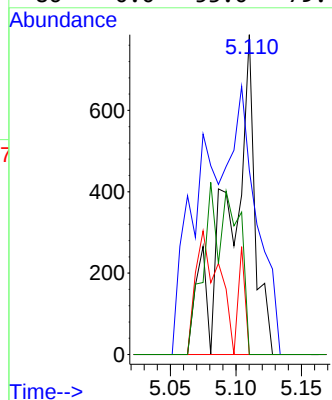
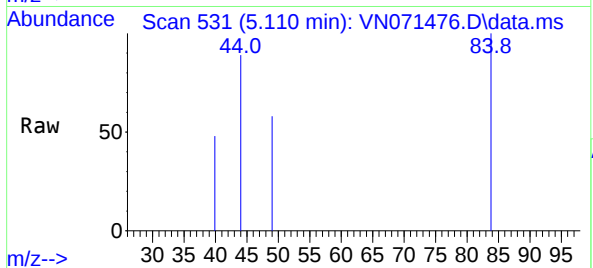




#20
Methylene Chloride
Concen: 0.508 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

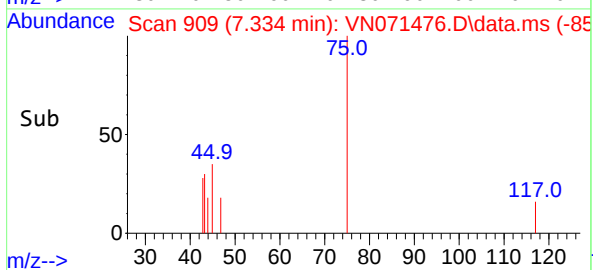
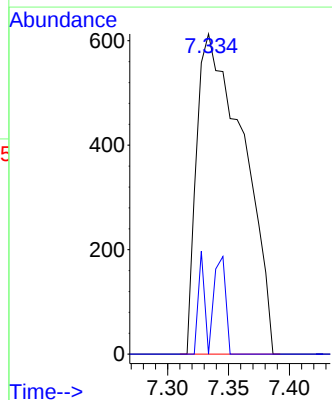
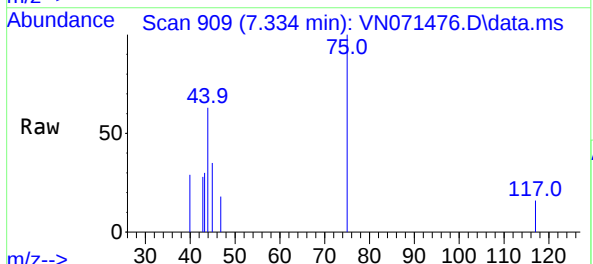
Instrument :
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ClientSampleId :
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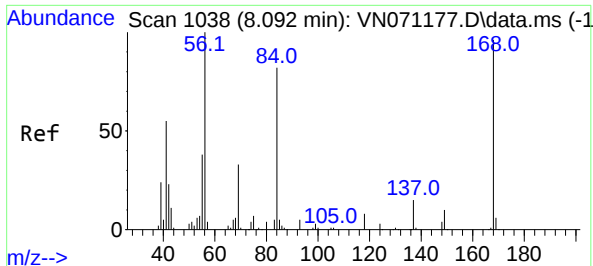
Tgt Ion:	84	Resp:	1066
Ion	Ratio	Lower	Upper
84	100		
49	57.6	93.5	140.3#
51	0.0	29.4	44.2#
86	0.0	53.0	79.4#



#25
2-Butanone
Concen: 0.221 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion:	43	Resp:	1632
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#31

Cyclohexane

Concen: 0.989 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071476.D

Acq: 22 Mar 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TB-20220317RE

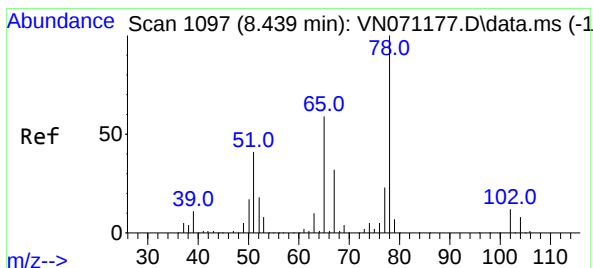
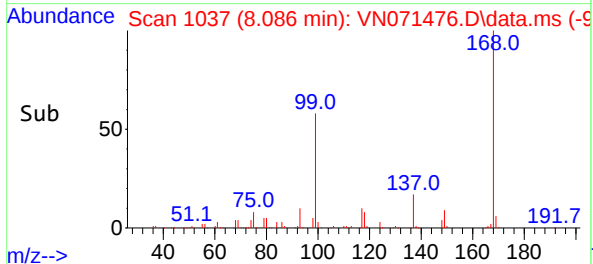
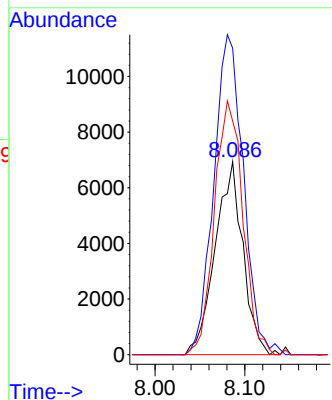
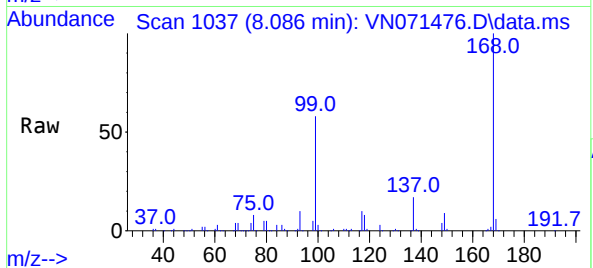
Tgt Ion: 56 Resp: 14891

Ion Ratio Lower Upper

56 100

69 158.8 27.1 40.7#

84 121.1 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 49.739 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071476.D

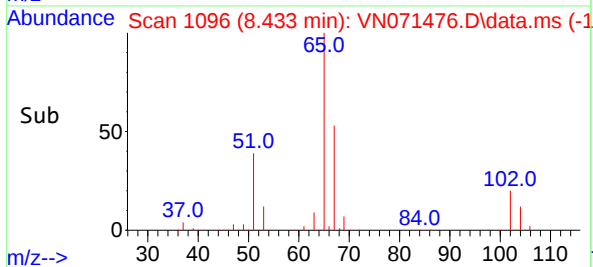
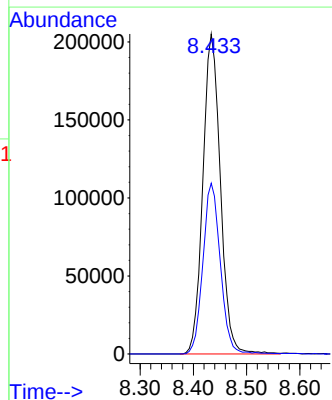
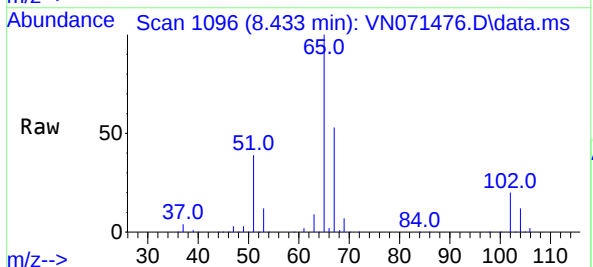
Acq: 22 Mar 2022 18:58

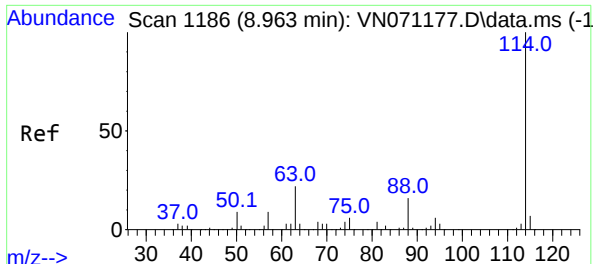
Tgt Ion: 65 Resp: 469102

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0

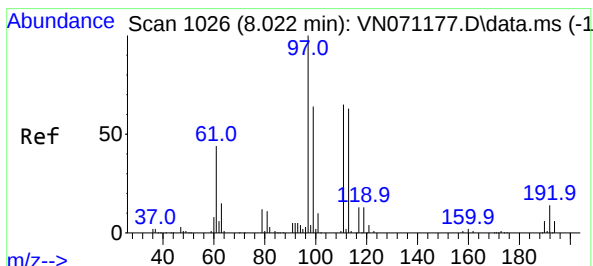
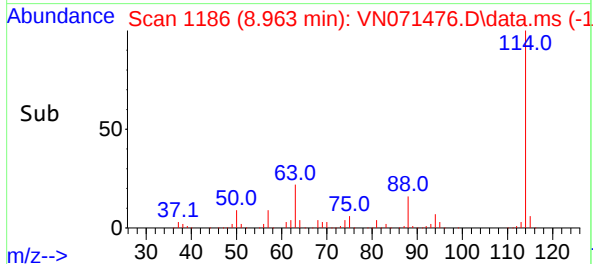
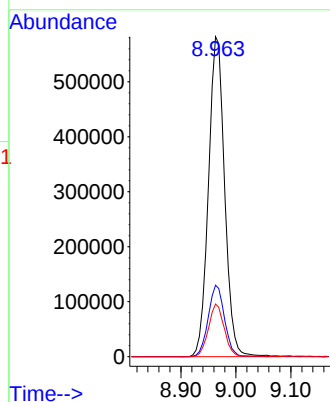
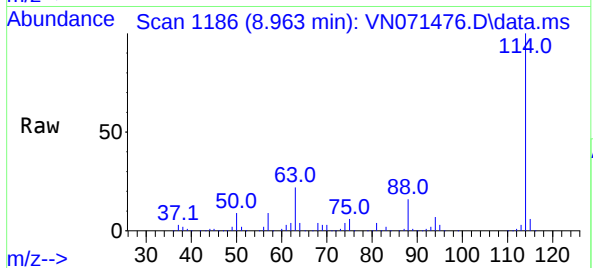




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

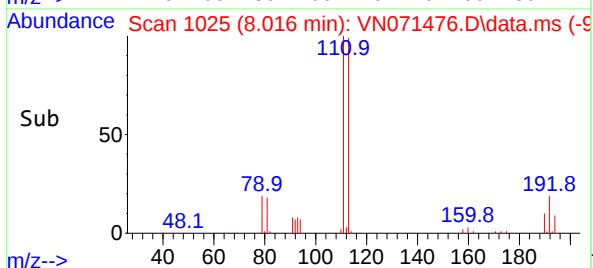
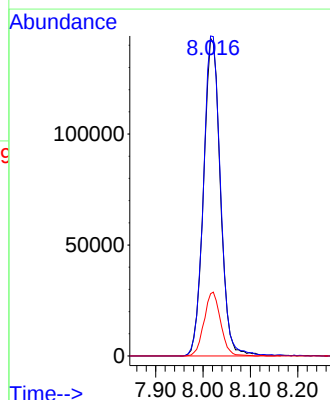
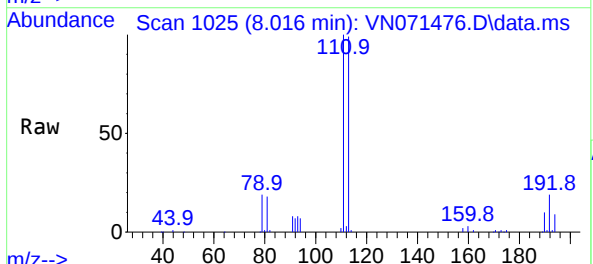
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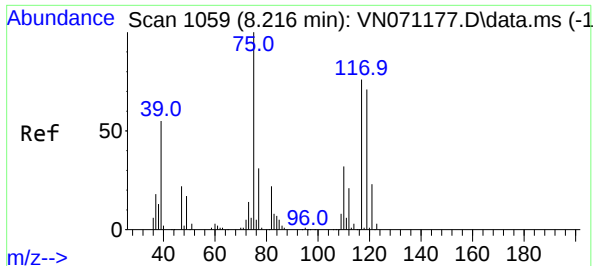
Tgt Ion:114 Resp: 1189664
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.024 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion:113 Resp: 353017
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 19.8 16.9 25.3

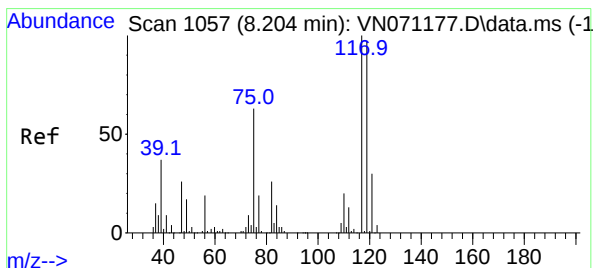
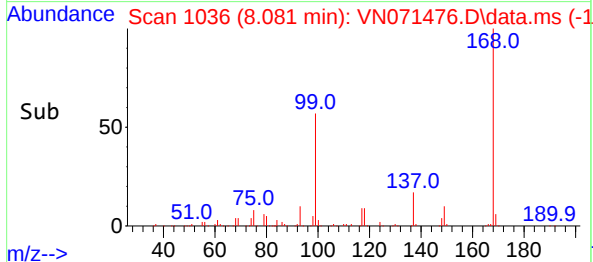
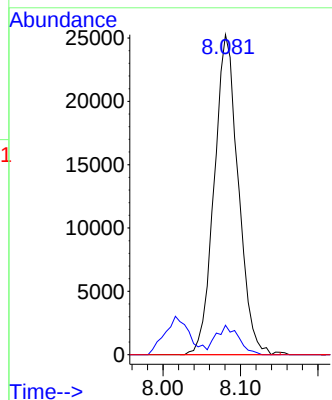
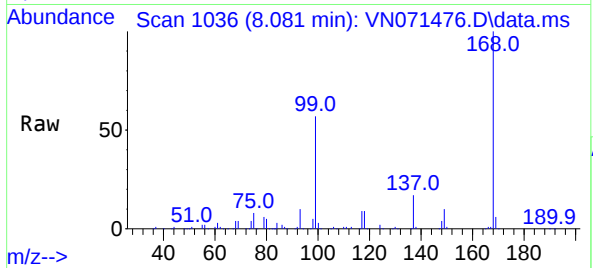




#36
1,1-Dichloropropene
Concen: 4.536 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

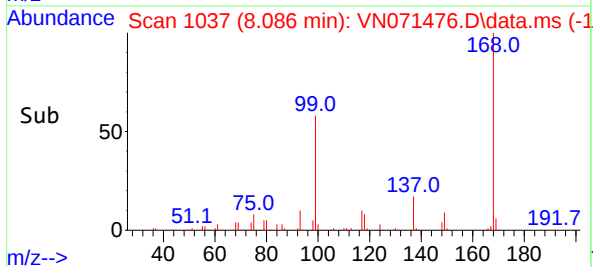
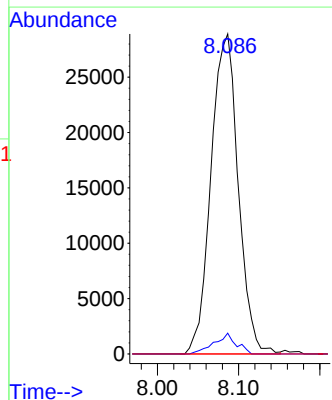
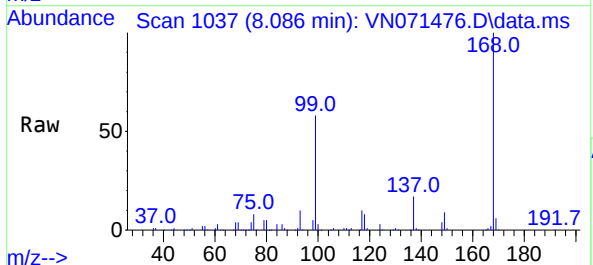
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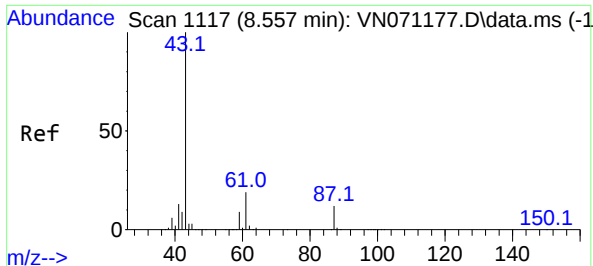
Tgt Ion: 75 Resp: 54564
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 117 Resp: 67437
Ion Ratio Lower Upper
117 100
119 6.5 76.1 114.1#
121 0.0 24.2 36.2#

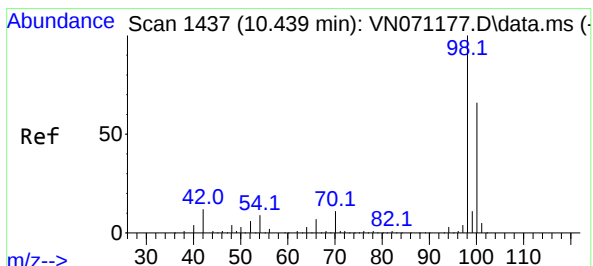
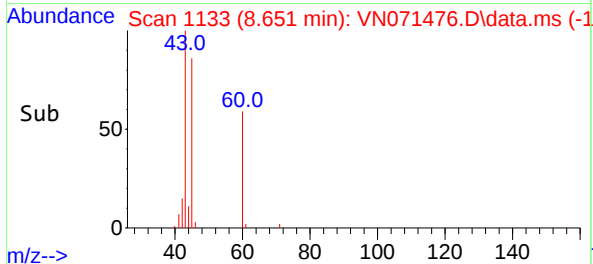
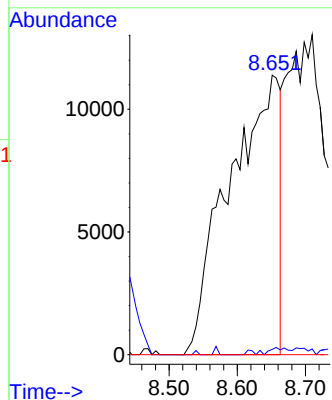
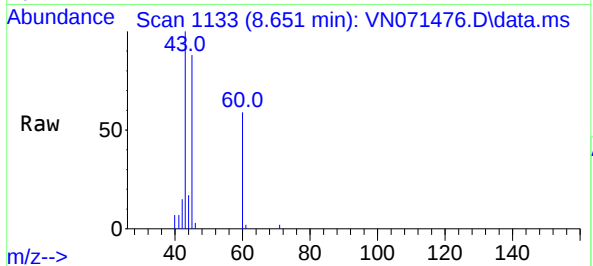




#43
Isopropyl Acetate
Concen: 2.359 ug/l
RT: 8.651 min Scan# 1117
Delta R.T. 0.094 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

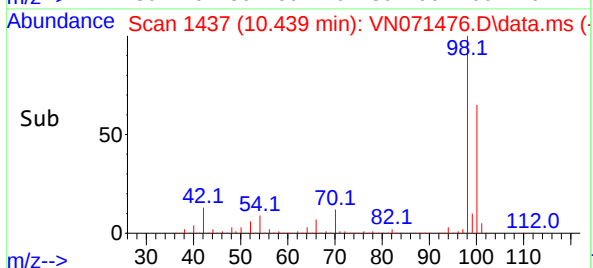
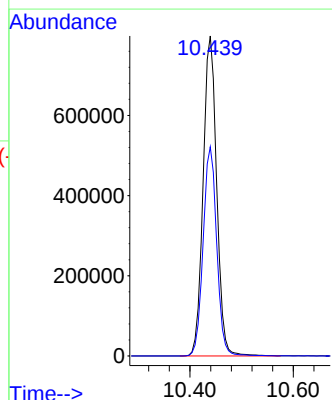
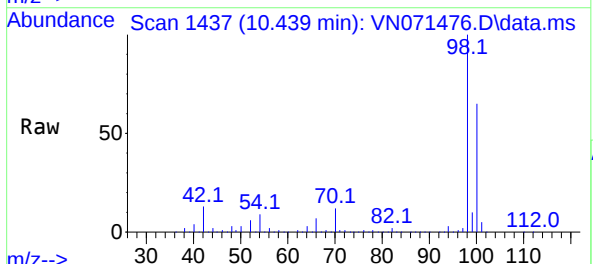
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

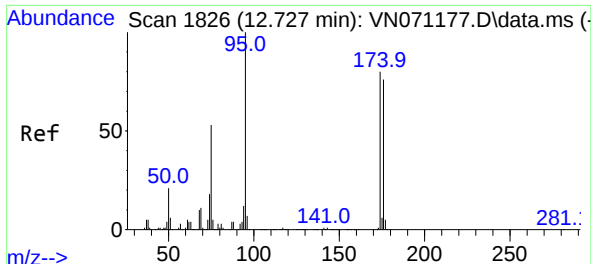
Tgt Ion: 43 Resp: 58389
Ion Ratio Lower Upper
43 100
61 1.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.015 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 98 Resp: 1451309
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6

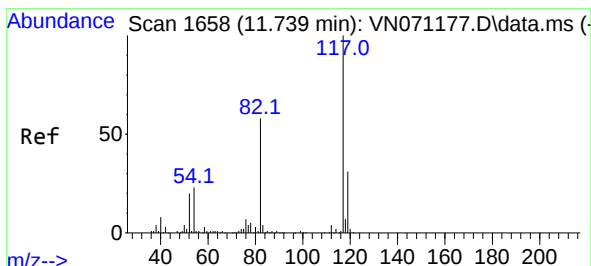
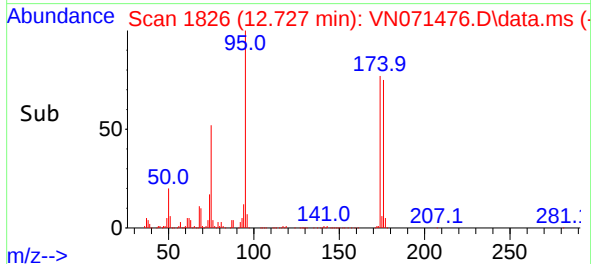
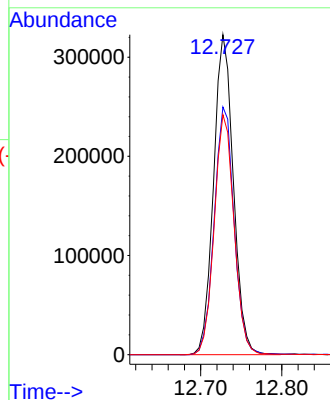
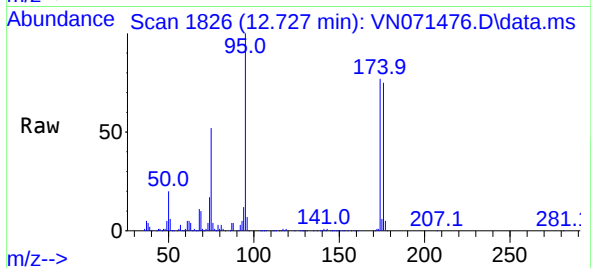




#62
4-Bromofluorobenzene
Concen: 53.400 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

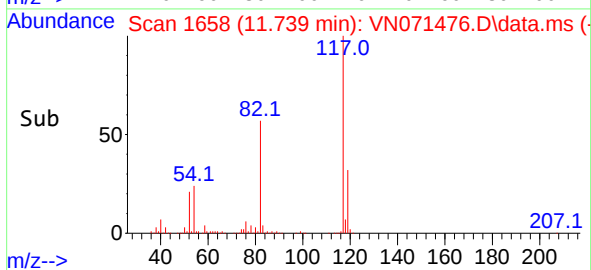
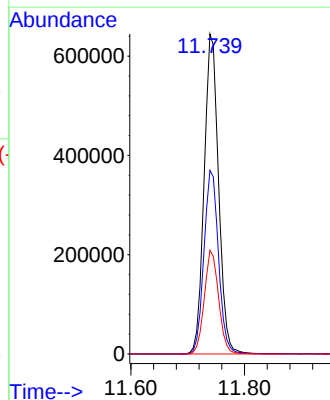
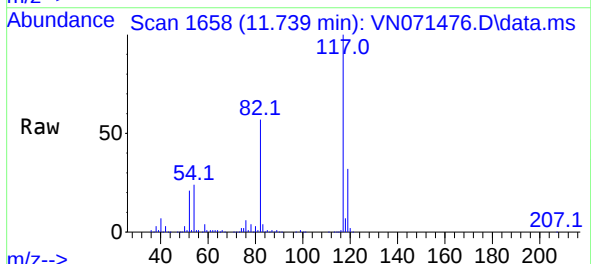
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

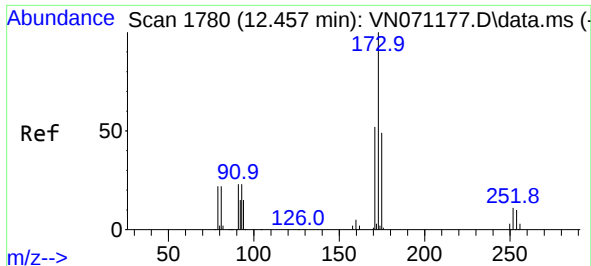
Tgt Ion: 95 Resp: 546571
Ion Ratio Lower Upper
95 100
174 77.9 0.0 187.2
176 75.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 117 Resp: 1136540
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 32.4 25.4 38.2

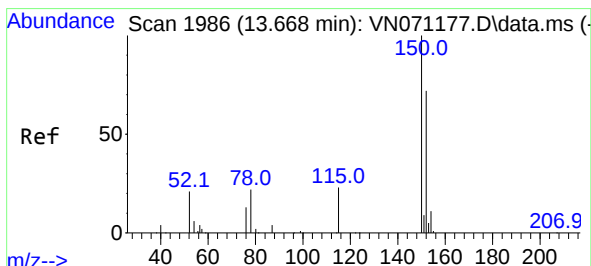
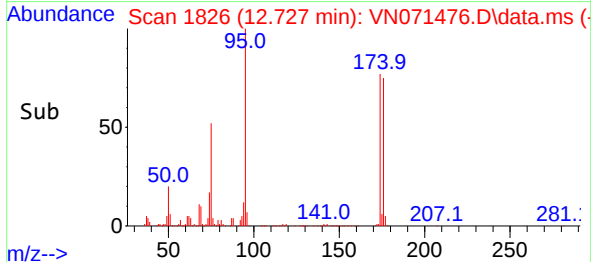
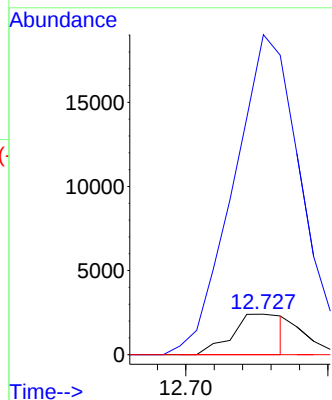
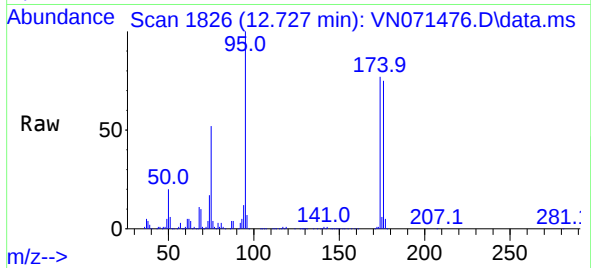




#71
Bromoform
Concen: 0.447 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

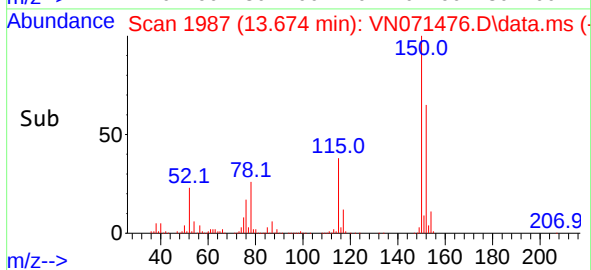
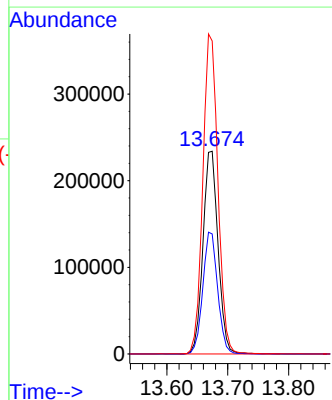
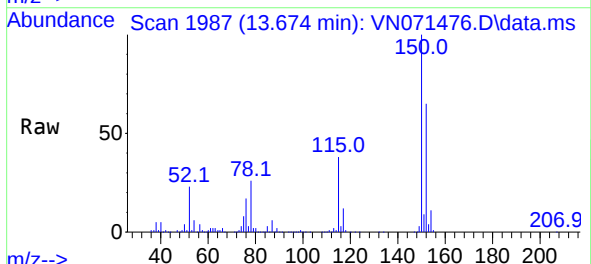
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

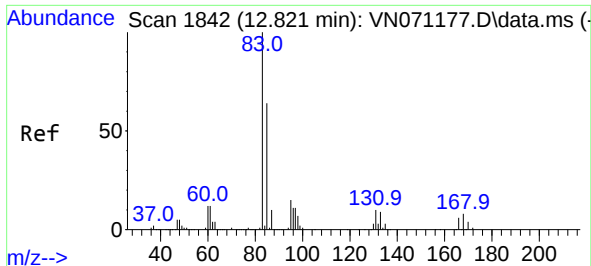
Tgt Ion:173 Resp: 3040
Ion Ratio Lower Upper
173 100
175 779.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion:152 Resp: 401950
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 157.9 0.0 344.4

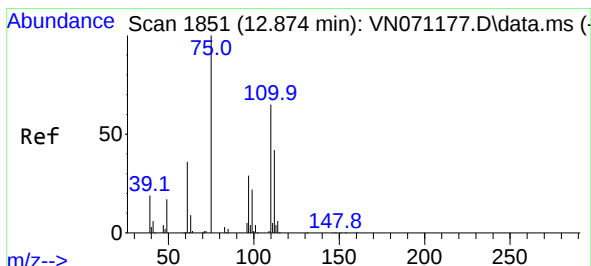
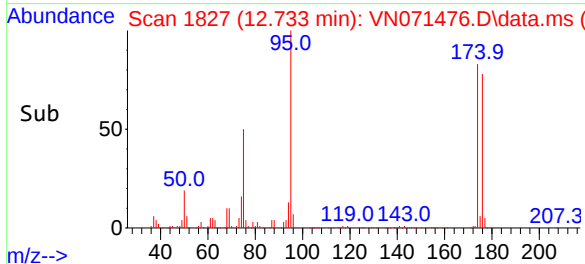
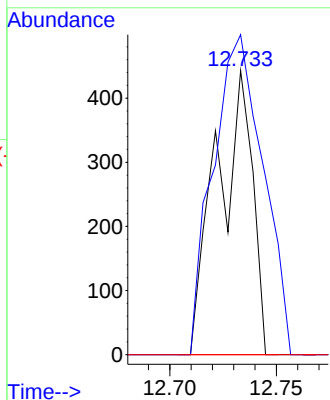
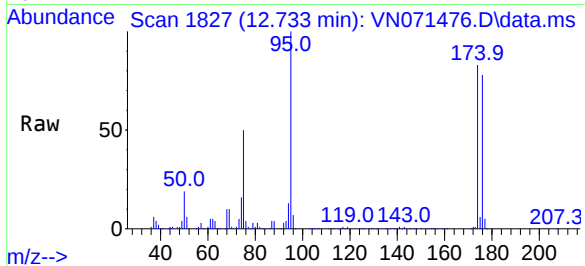




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

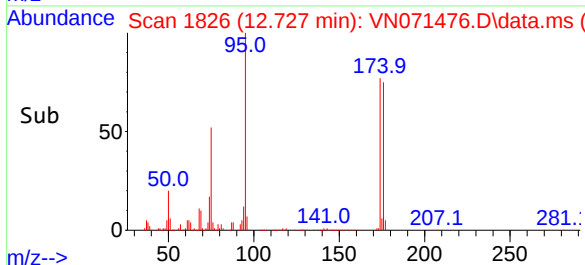
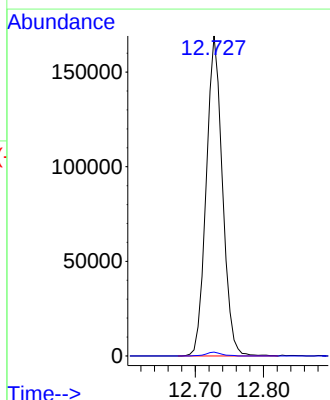
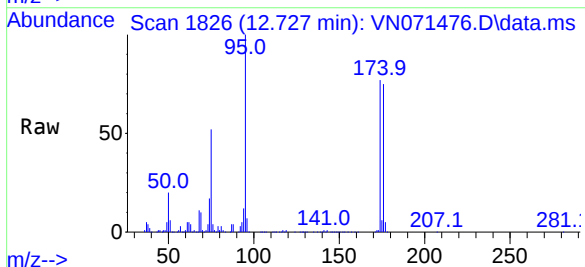
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

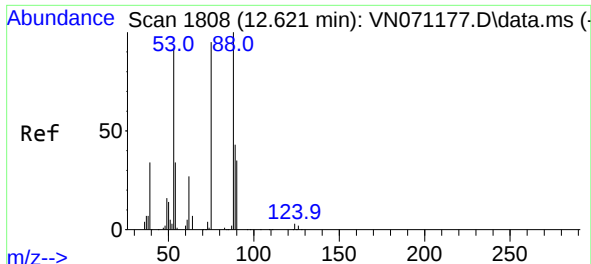
Tgt Ion: 83 Resp: 516
Ion Ratio Lower Upper
83 100
131 157.9 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.433 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Tgt Ion: 75 Resp: 279663
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

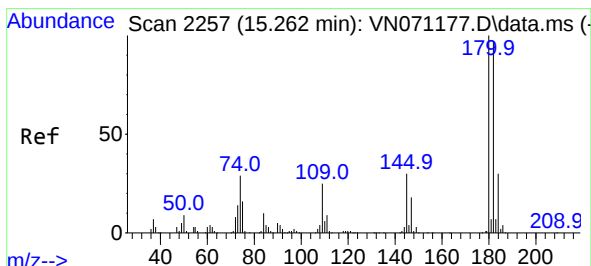
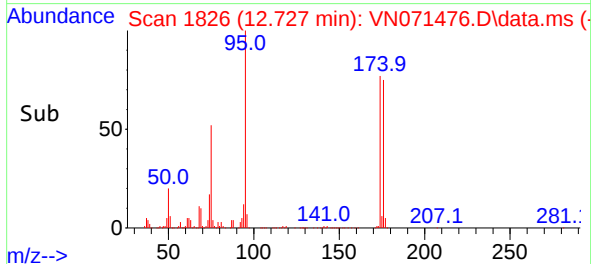
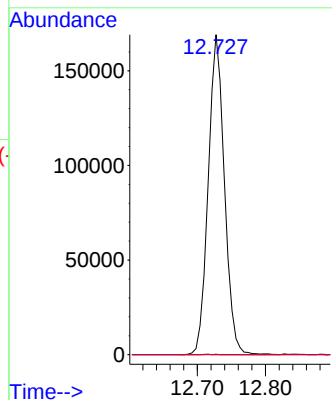
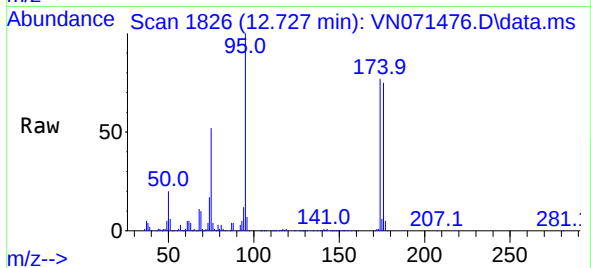




#81
trans-1,4-Dichloro-2-butene
Concen: 75.212 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

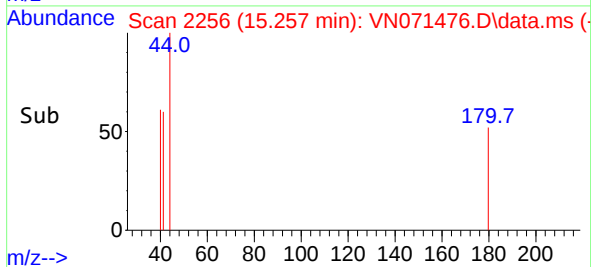
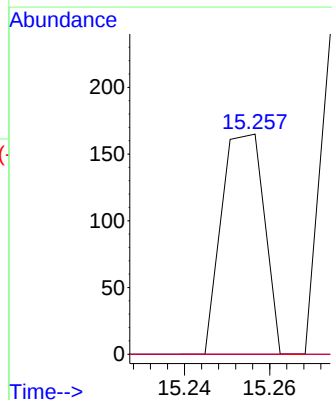
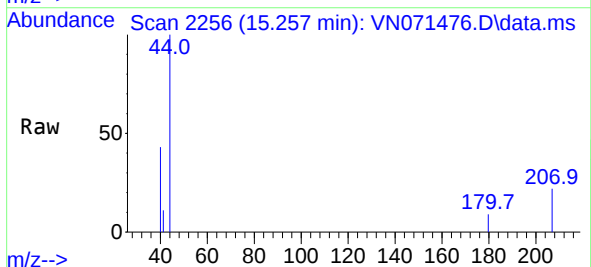
Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE

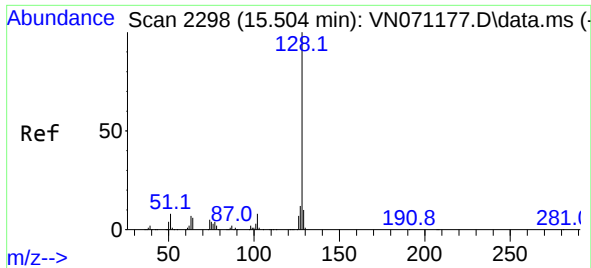
Tgt Ion: 75 Resp: 279663
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.006 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

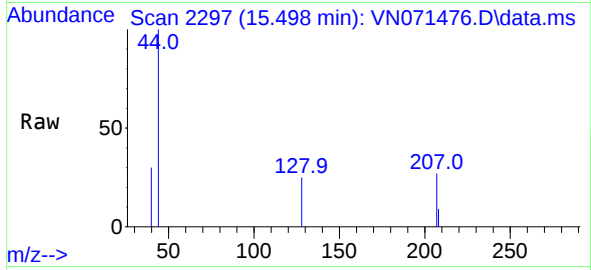
Tgt Ion:180 Resp: 115
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.093 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071476.D
Acq: 22 Mar 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :
TB-20220317RE



Tgt Ion:	128	Resp:	520
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

