

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071470.D
 Acq On : 22 Mar 2022 16:32
 Operator : JC\MD
 Sample : N2061-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20220321

Quant Time: Mar 23 07:09:19 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	739543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1278998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1205319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	419302	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	486872	48.035	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.080%
35) Dibromofluoromethane	8.022	113	372172	46.113	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.220%
50) Toluene-d8	10.439	98	1571822	48.370	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.727	95	569668	51.769	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.540%

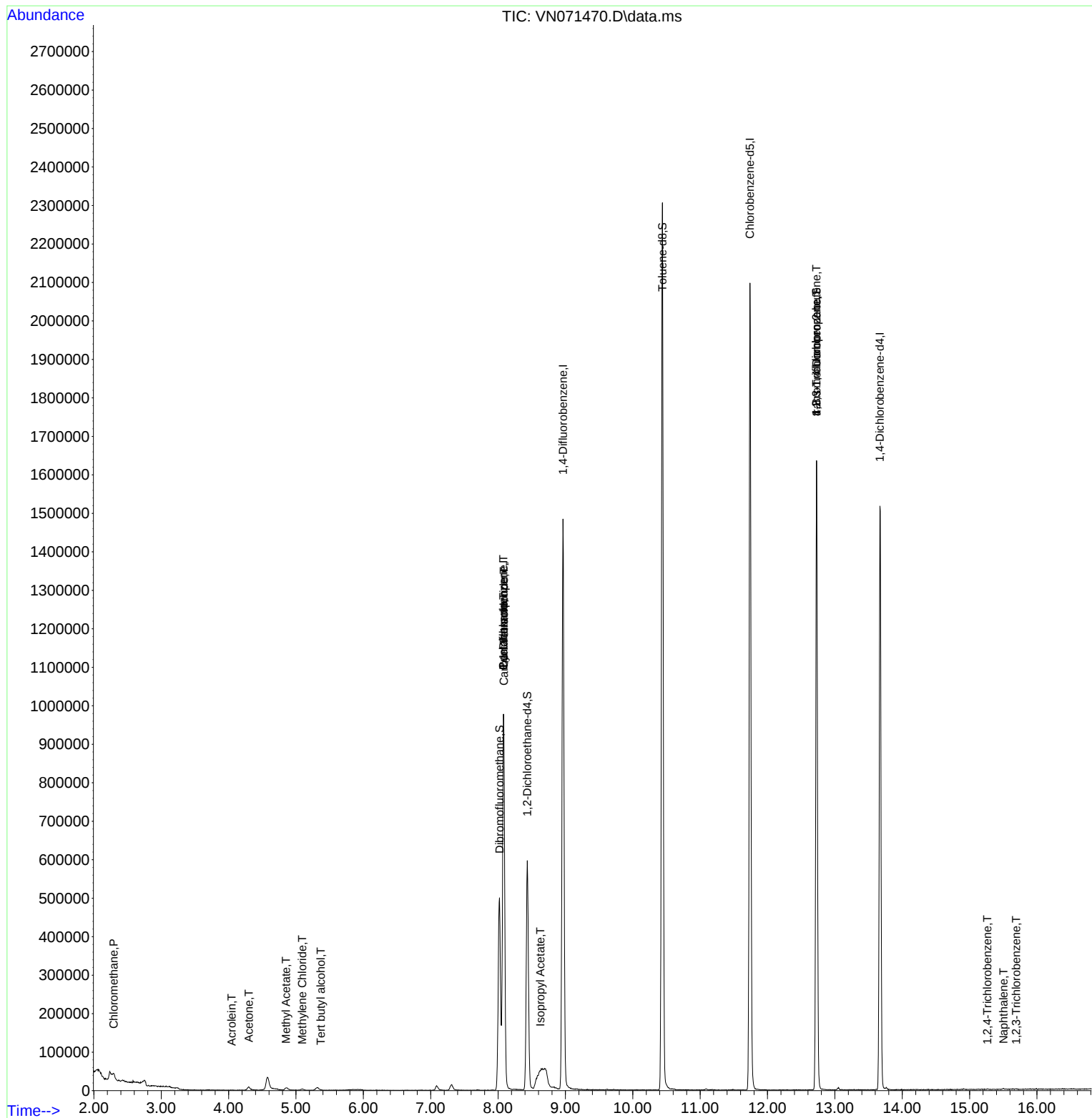
Target Compounds					Qvalue	
3) Chloromethane	2.293	50	3193	0.259	ug/l #	71
5) Bromomethane	2.834	94	189	Below Cal	#	3
11) Tert butyl alcohol	5.369	59	757	0.380	ug/l #	71
13) Acrolein	4.045	56	436	0.207	ug/l #	38
16) Acetone	4.298	43	13092	2.655	ug/l	97
18) Methyl Acetate	4.851	43	13603	1.487	ug/l	96
20) Methylene Chloride	5.092	84	2367	0.642	ug/l #	90
31) Cyclohexane	8.081	56	16307	1.007	ug/l #	8
36) 1,1-Dichloropropene	8.081	75	58391	4.515	ug/l #	49
38) Carbon Tetrachloride	8.086	117	73023	5.838	ug/l #	16
43) Isopropyl Acetate	8.628	43	70569	2.652	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.733	83	370	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	290798	27.336	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	290798	74.970	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	158	3.011	ug/l #	38
95) Naphthalene	15.504	128	2377	5.179	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.692	180	122	2.749	ug/l #	65

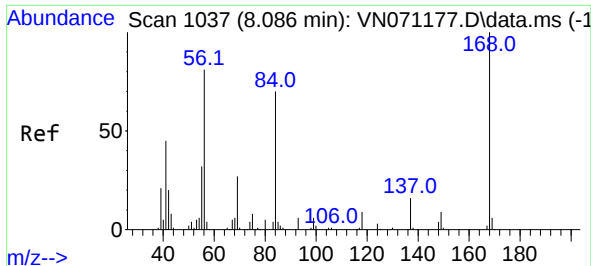
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 08 06:52:46 2022
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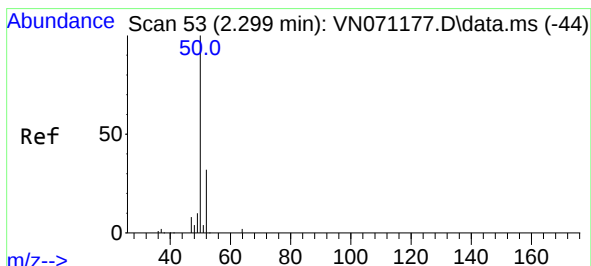
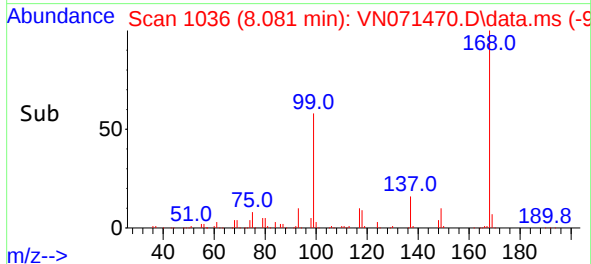
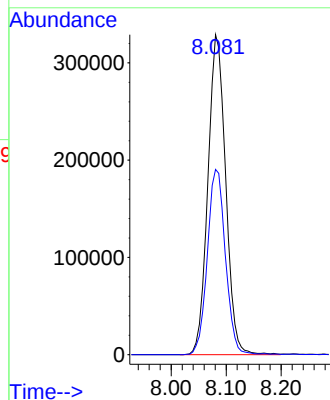
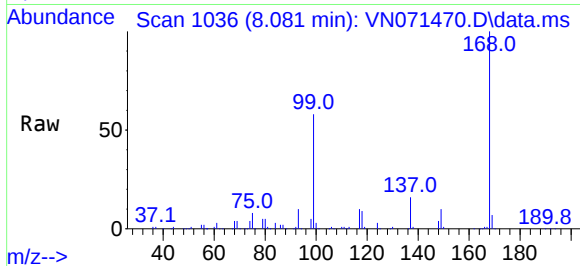




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

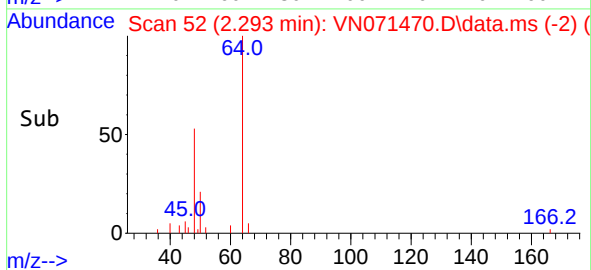
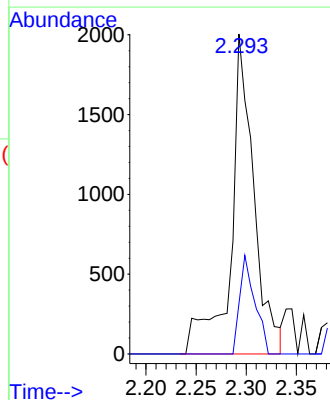
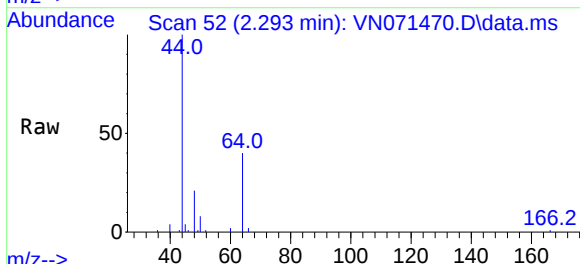
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

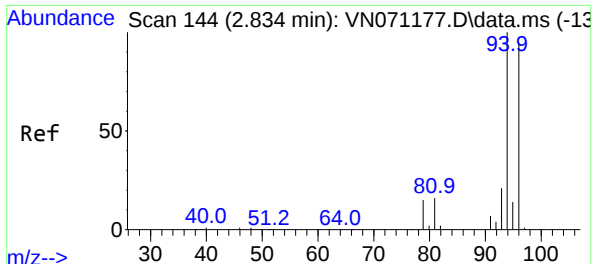
Tgt Ion:168 Resp: 739543
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 50 Resp: 3193
Ion Ratio Lower Upper
50 100
52 15.7 25.4 38.0#

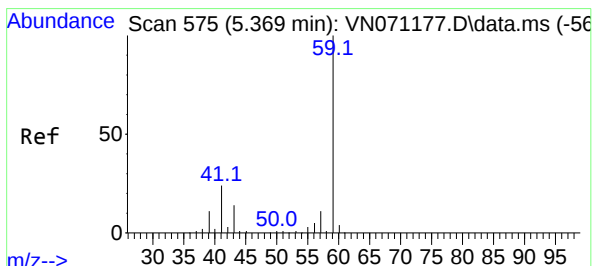
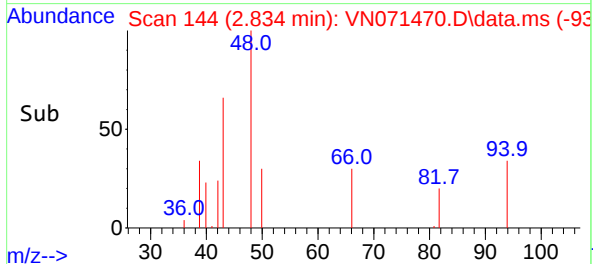
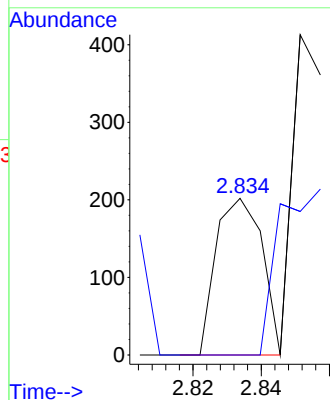
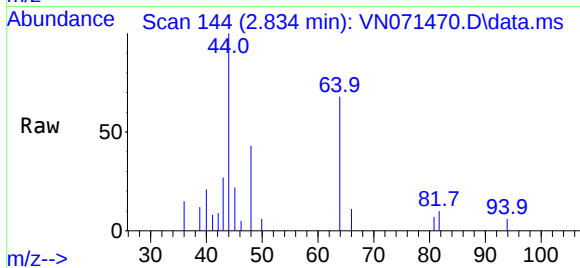




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

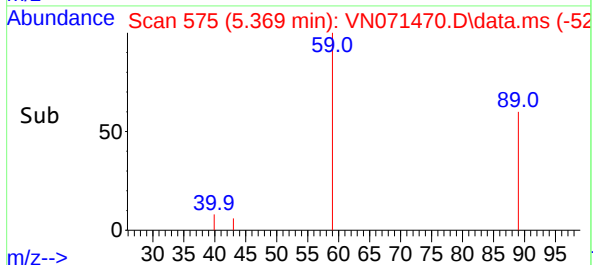
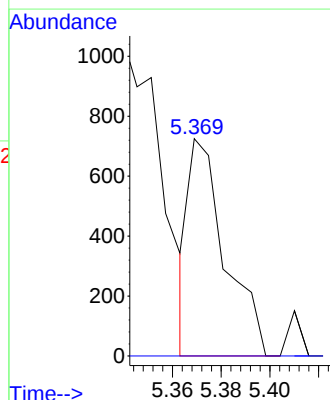
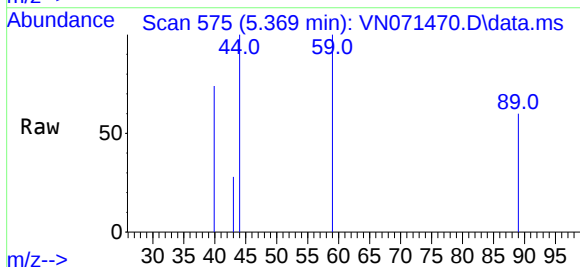
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ClientSampleId :
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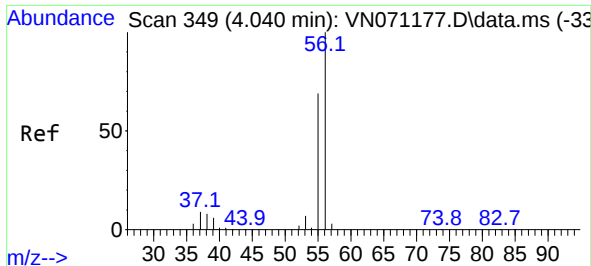
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.380 ug/l
RT: 5.369 min Scan# 575
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 59 Resp: 757
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

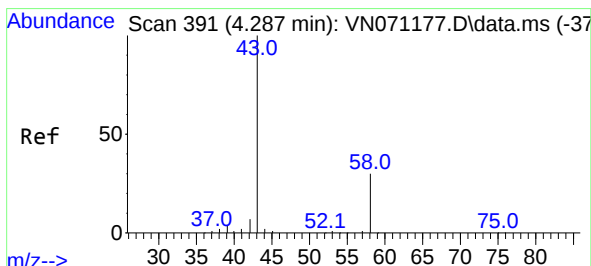
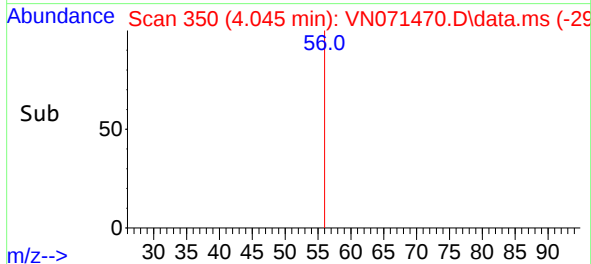
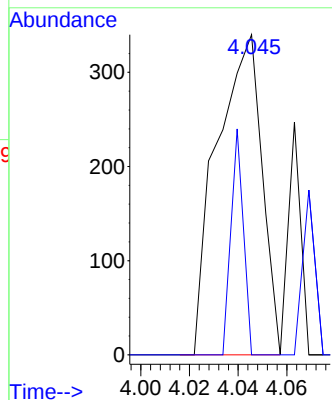
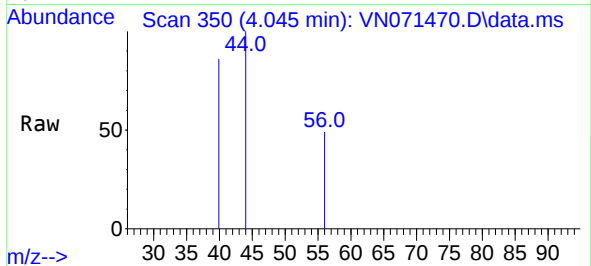




#13
Acrolein
Concen: 0.207 ug/l
RT: 4.045 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

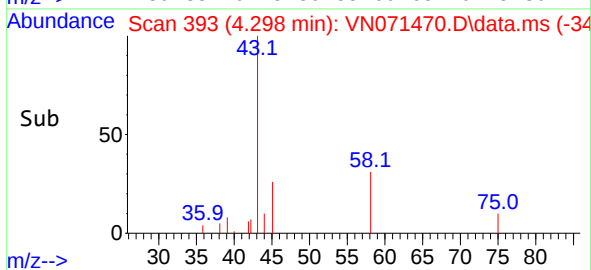
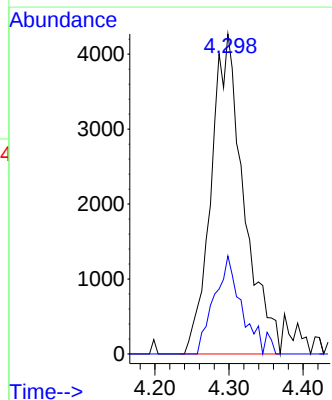
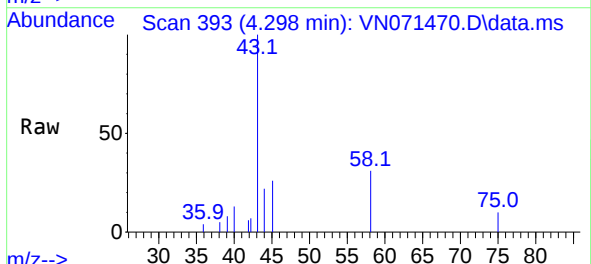
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

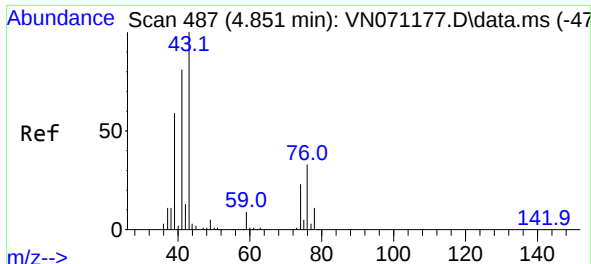
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 19.5 56.6 85.0#



#16
Acetone
Concen: 2.655 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 43 Resp: 13092
Ion Ratio Lower Upper
43 100
58 30.6 23.1 34.7

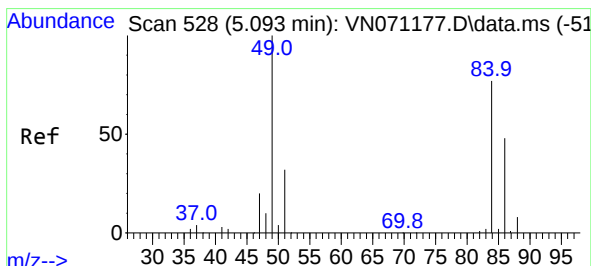
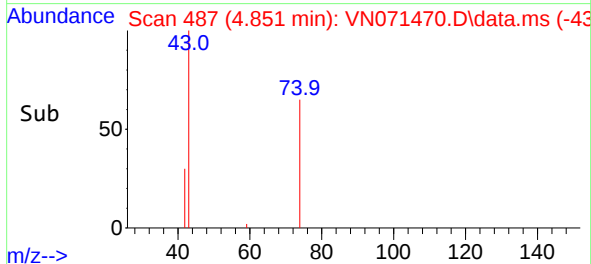
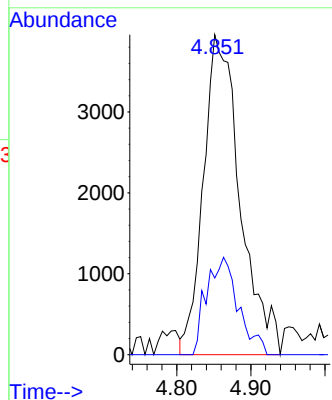
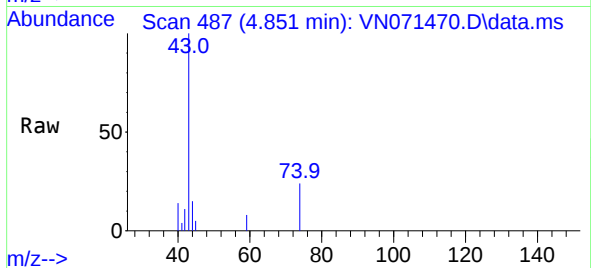




#18
Methyl Acetate
Concen: 1.487 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

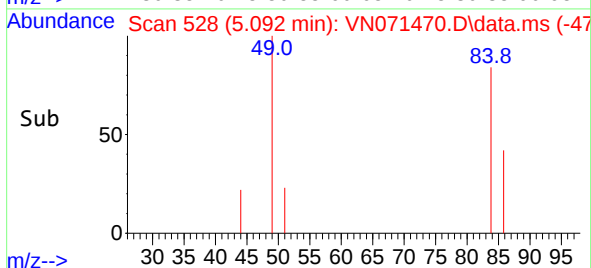
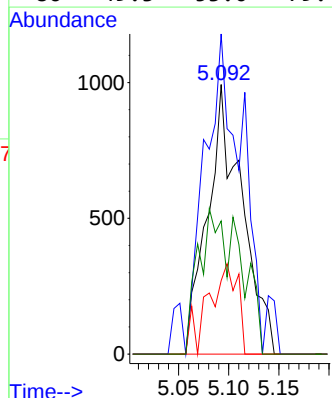
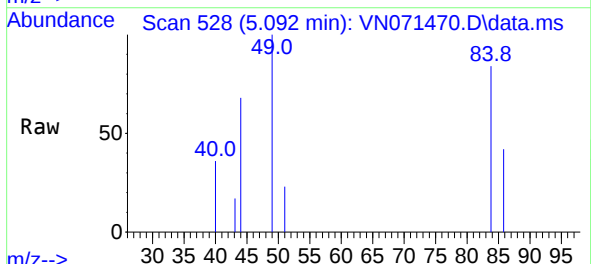
Instrument :
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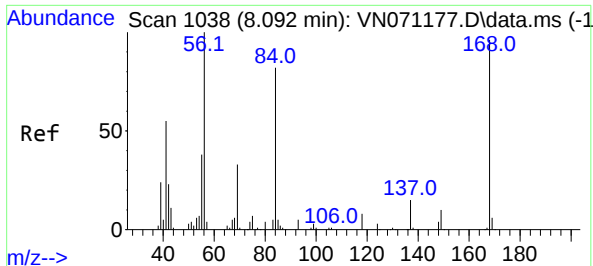
Tgt Ion: 43 Resp: 13603
Ion Ratio Lower Upper
43 100
74 26.4 19.4 29.2



#20
Methylene Chloride
Concen: 0.642 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 84 Resp: 2367
Ion Ratio Lower Upper
84 100
49 118.7 93.5 140.3
51 27.2 29.4 44.2#
86 49.3 53.0 79.4#





#31

Cyclohexane

Concen: 1.007 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071470.D

Acq: 22 Mar 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

TB-20220321

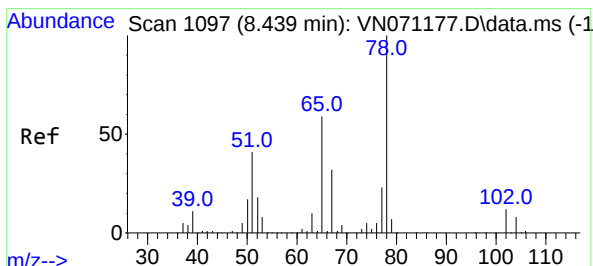
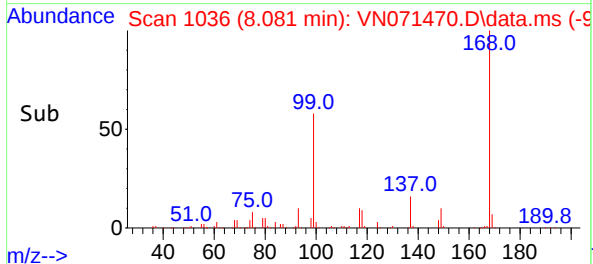
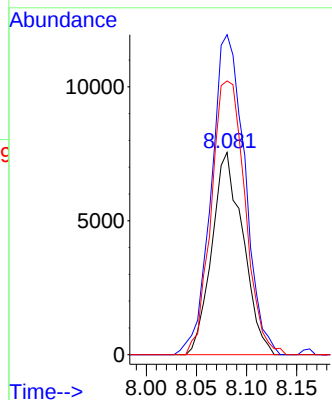
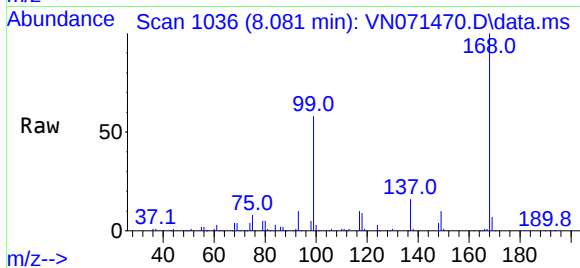
Tgt Ion: 56 Resp: 16307

Ion Ratio Lower Upper

56 100

69 158.3 27.1 40.7#

84 135.4 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 48.035 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071470.D

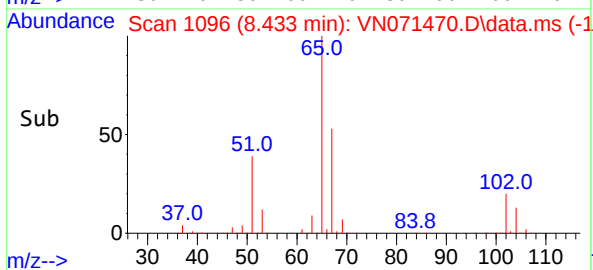
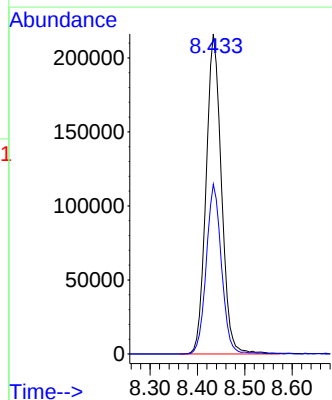
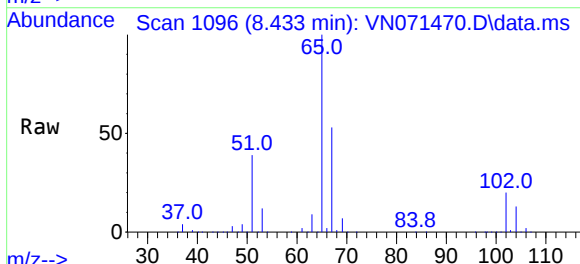
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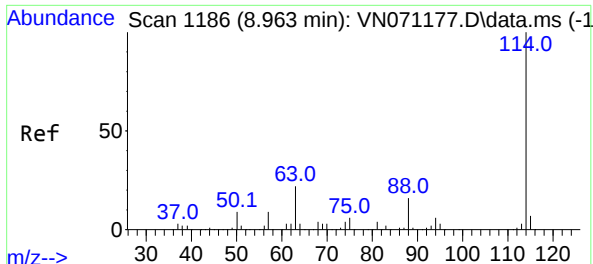
Tgt Ion: 65 Resp: 486872

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0

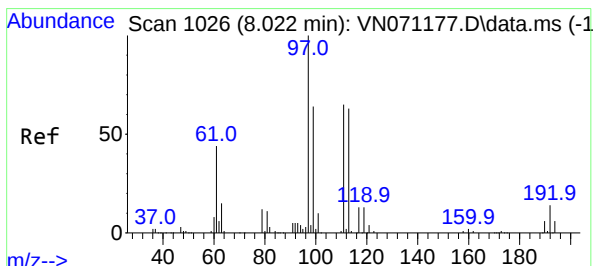
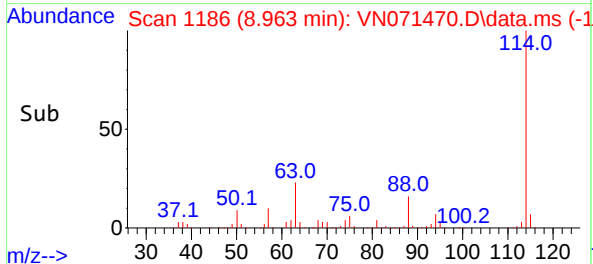
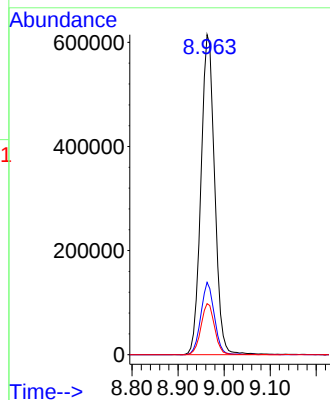
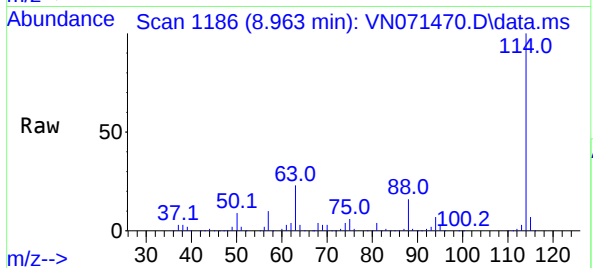




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

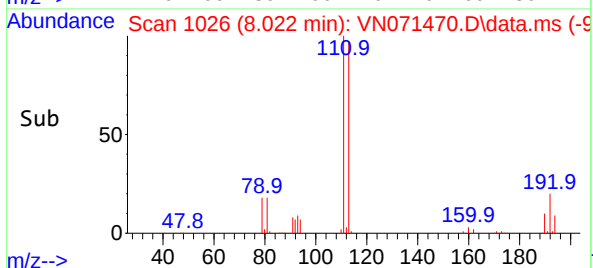
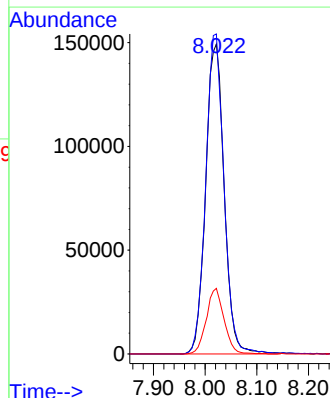
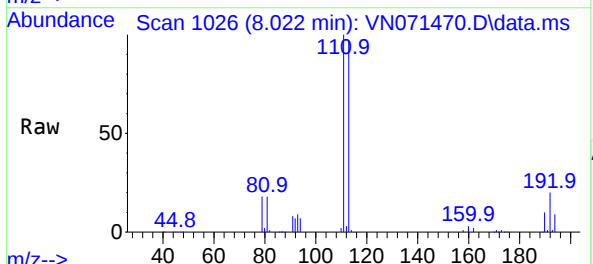
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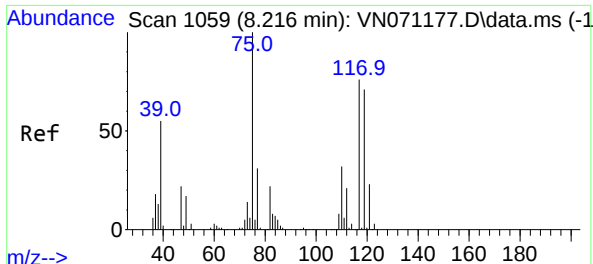
Tgt Ion:114 Resp: 1278998
Ion Ratio Lower Upper
114 100
63 22.6 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.113 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion:113 Resp: 372172
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.2 16.9 25.3

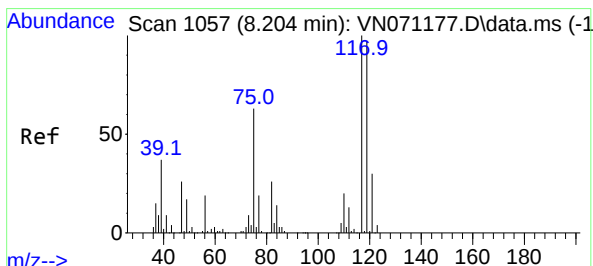
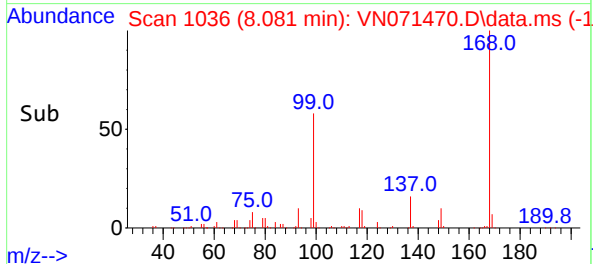
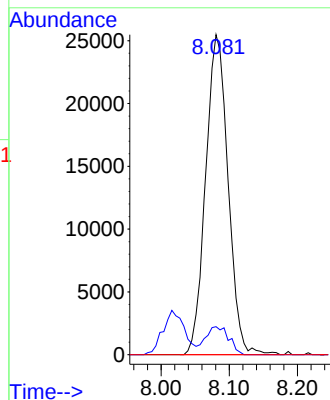
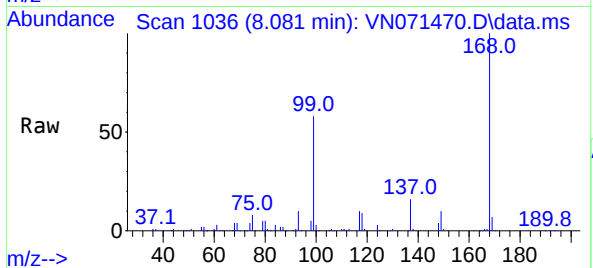




#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

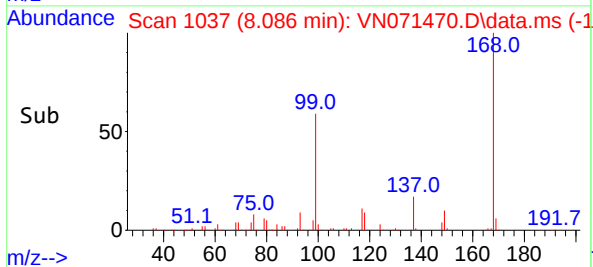
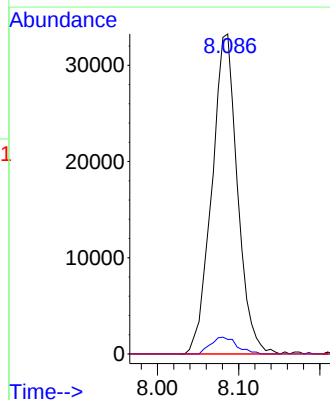
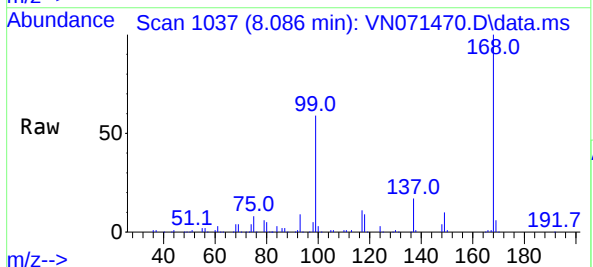
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TB-20220321

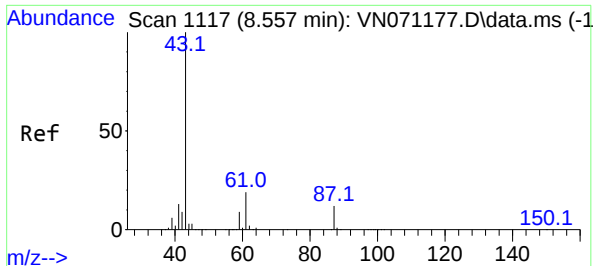
Tgt Ion: 75 Resp: 58391
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 117 Resp: 73023
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

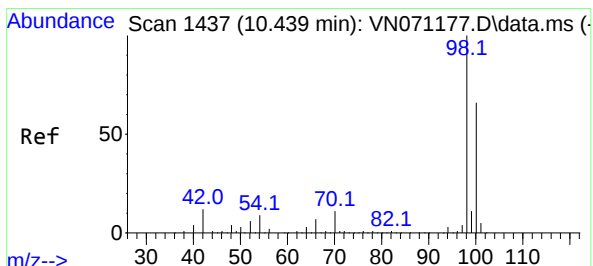
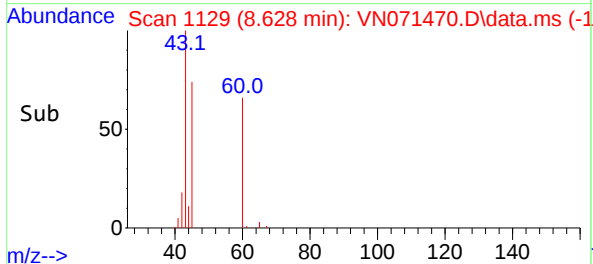
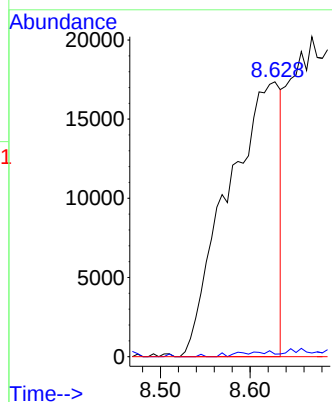
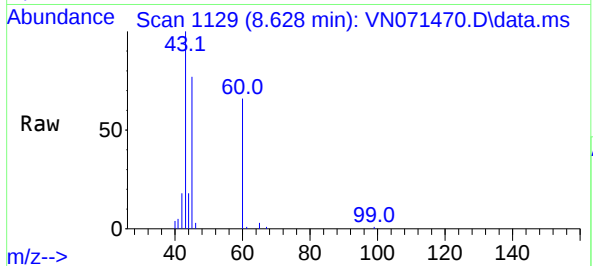




#43
Isopropyl Acetate
Concen: 2.652 ug/l
RT: 8.628 min Scan# 1117
Delta R.T. 0.071 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

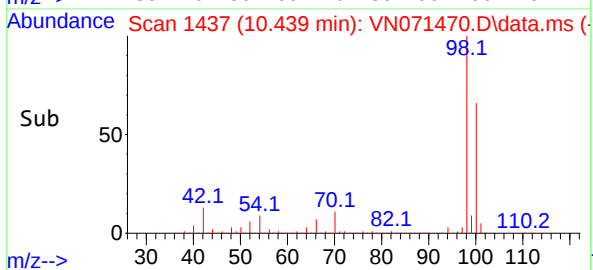
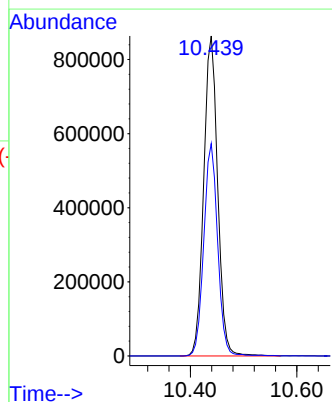
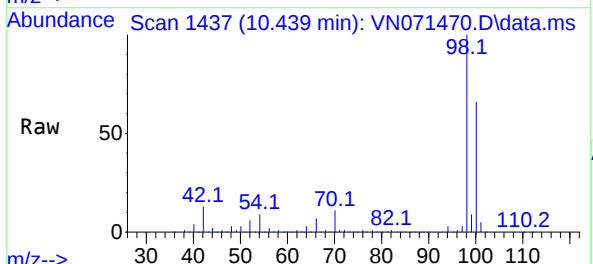
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

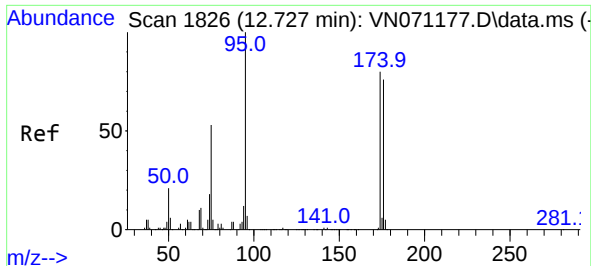
Tgt Ion: 43 Resp: 70569
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 98 Resp: 1571822
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

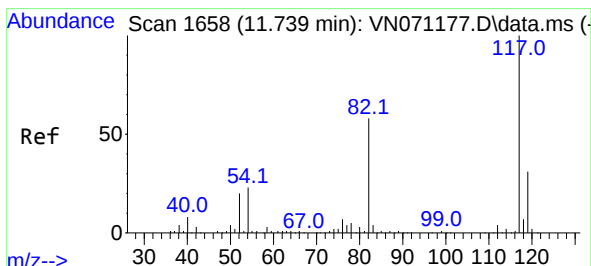
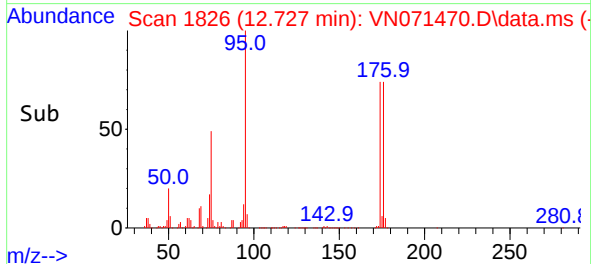
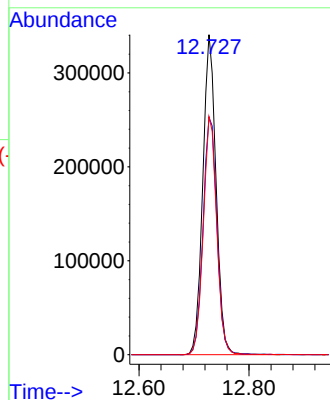
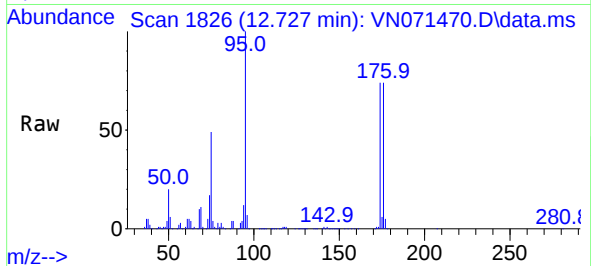




#62
4-Bromofluorobenzene
Concen: 51.769 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

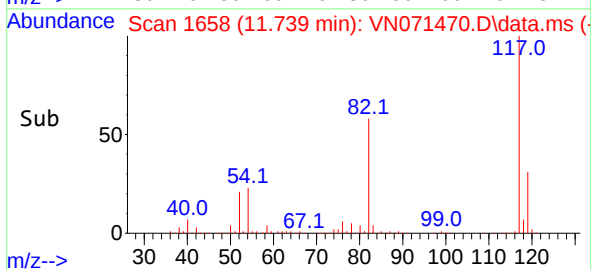
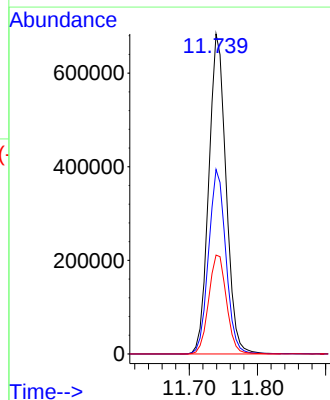
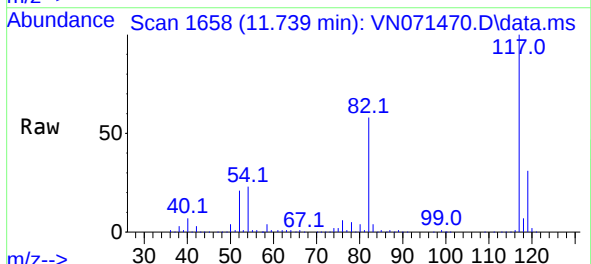
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

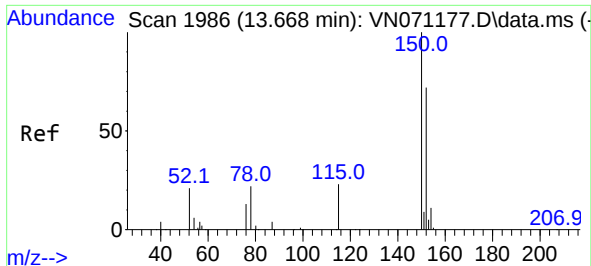
Tgt Ion: 95 Resp: 569668
Ion Ratio Lower Upper
95 100
174 77.7 0.0 187.2
176 75.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 117 Resp: 1205319
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 30.9 25.4 38.2

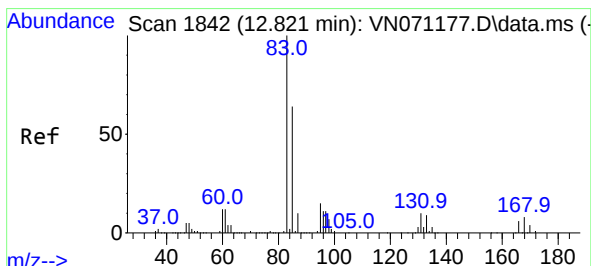
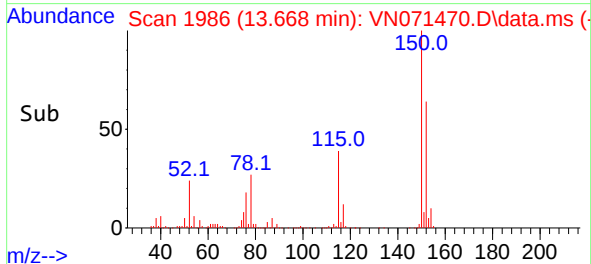
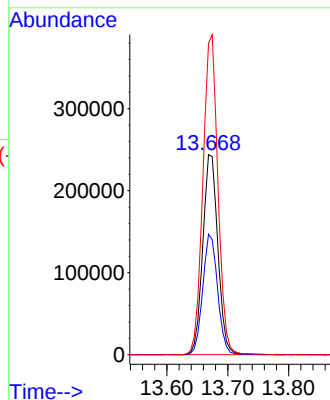
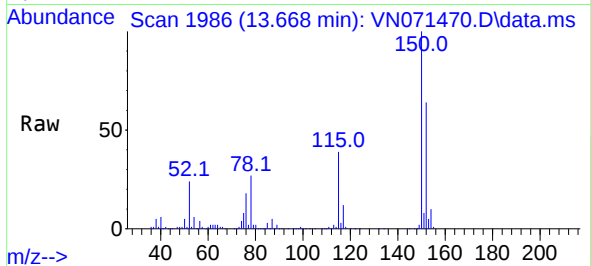




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071470.D
 Acq: 22 Mar 2022 16:32

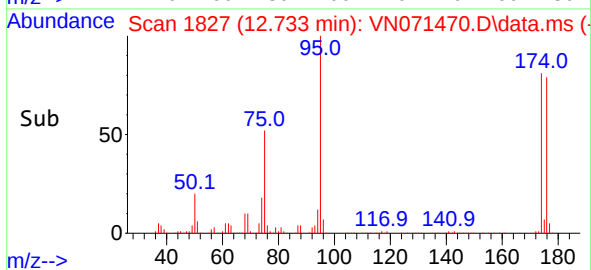
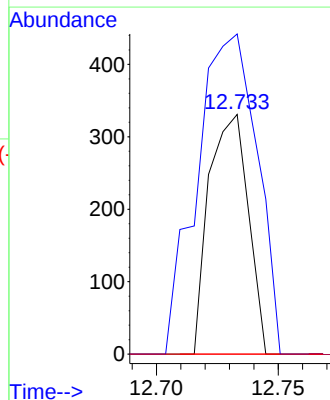
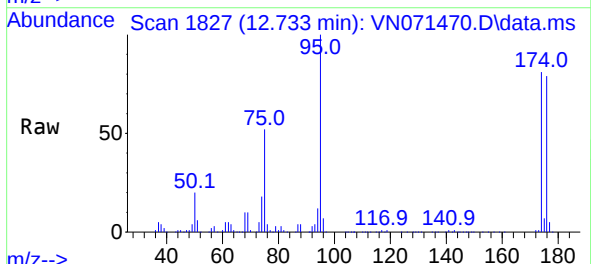
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20220321

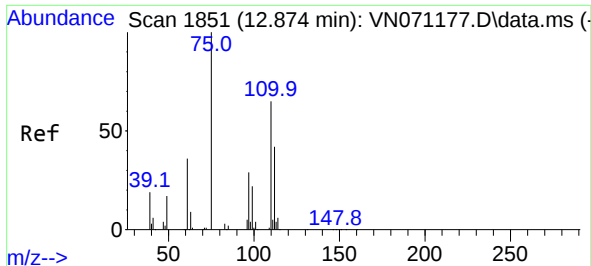
Tgt Ion:152 Resp: 419302
 Ion Ratio Lower Upper
 152 100
 115 59.4 27.5 82.5
 150 159.3 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.733 min Scan# 1827
 Delta R.T. -0.088 min
 Lab File: VN071470.D
 Acq: 22 Mar 2022 16:32

Tgt Ion: 83 Resp: 370
 Ion Ratio Lower Upper
 83 100
 131 205.1 5.5 16.5#
 85 0.0 32.4 97.2#

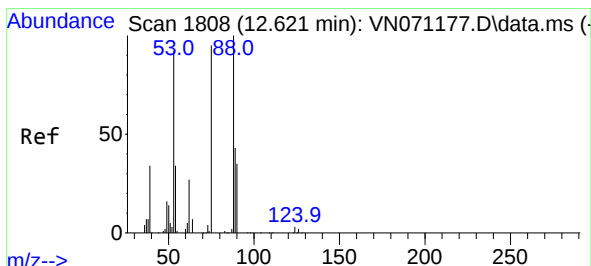
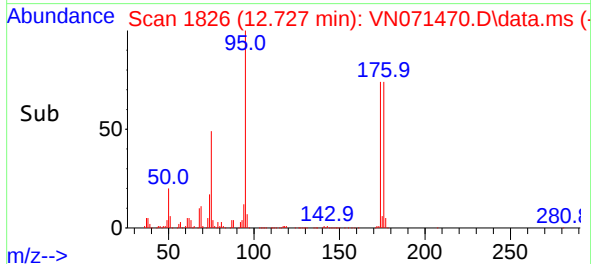
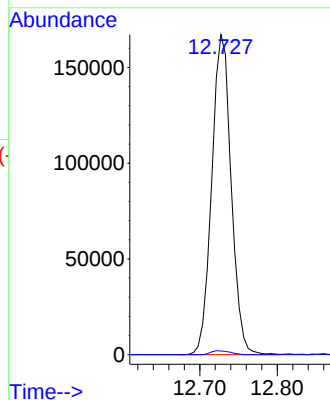
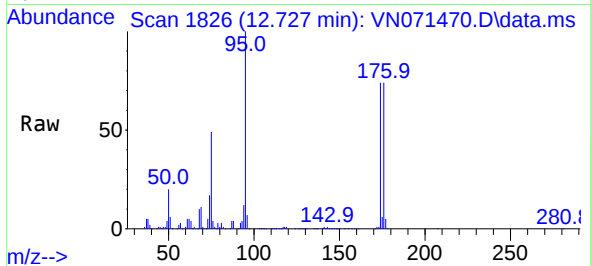




#76
1,2,3-Trichloropropane
Concen: 27.336 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

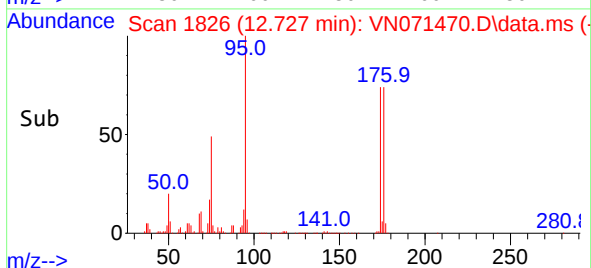
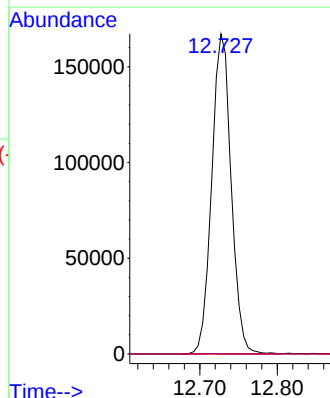
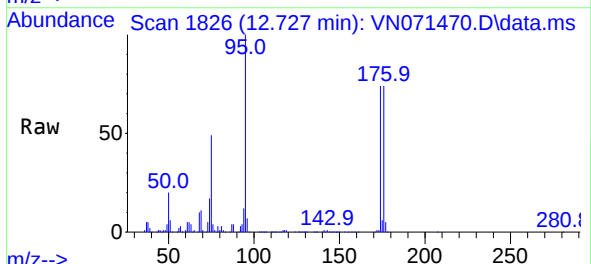
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

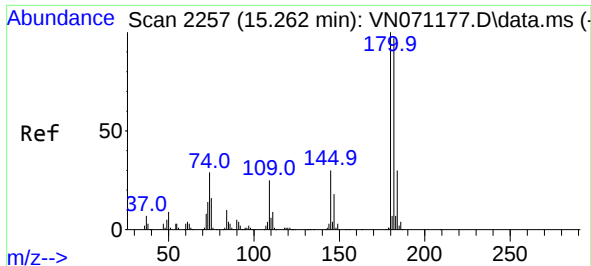
Tgt Ion: 75 Resp: 290798
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.970 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 75 Resp: 290798
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

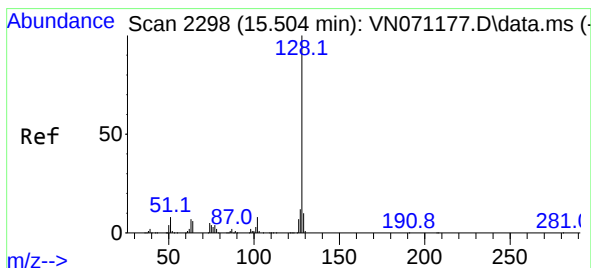
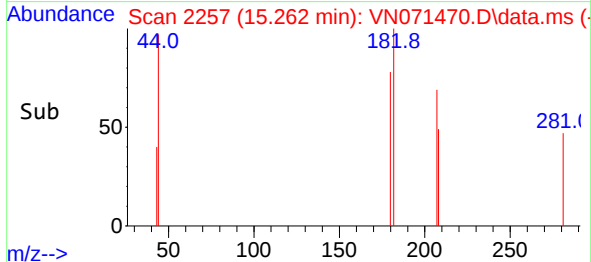
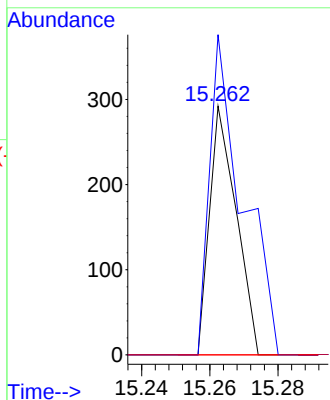
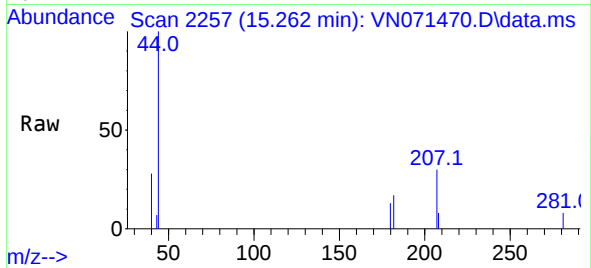




#93
1,2,4-Trichlorobenzene
Concen: 3.011 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

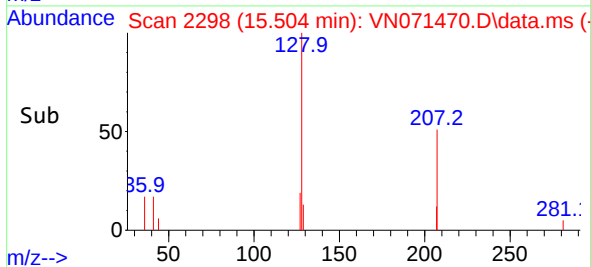
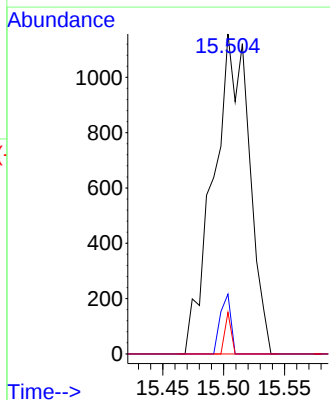
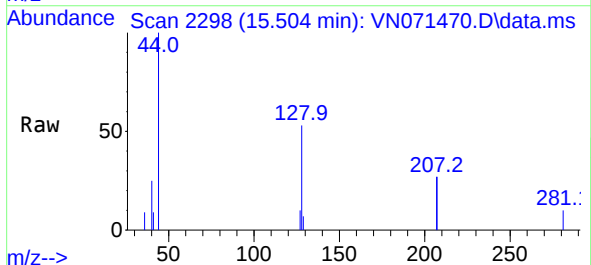
Instrument :
MSVOA_N
ClientSampleId :
TB-20220321

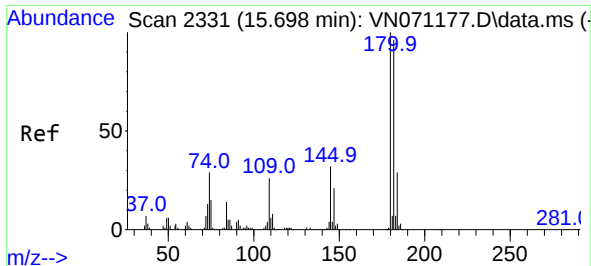
Tgt Ion:180 Resp: 158
Ion Ratio Lower Upper
180 100
182 159.5 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.179 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071470.D
Acq: 22 Mar 2022 16:32

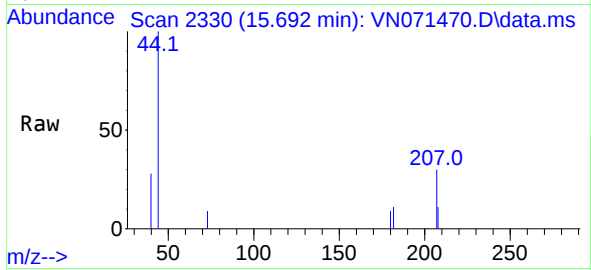
Tgt Ion:128 Resp: 2377
Ion Ratio Lower Upper
128 100
127 5.5 10.5 15.7#
129 2.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.749 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071470.D
 Acq: 22 Mar 2022 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20220321



Tgt Ion:	180	Resp:	122
Ion	Ratio	Lower	Upper
180	100		
182	122.1	47.4	142.2
145	0.0	15.0	45.1#

