

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071479.D
 Acq On : 22 Mar 2022 20:10
 Operator : JC\MD
 Sample : N1962-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-17-16-17

Quant Time: Mar 23 07:11:13 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)

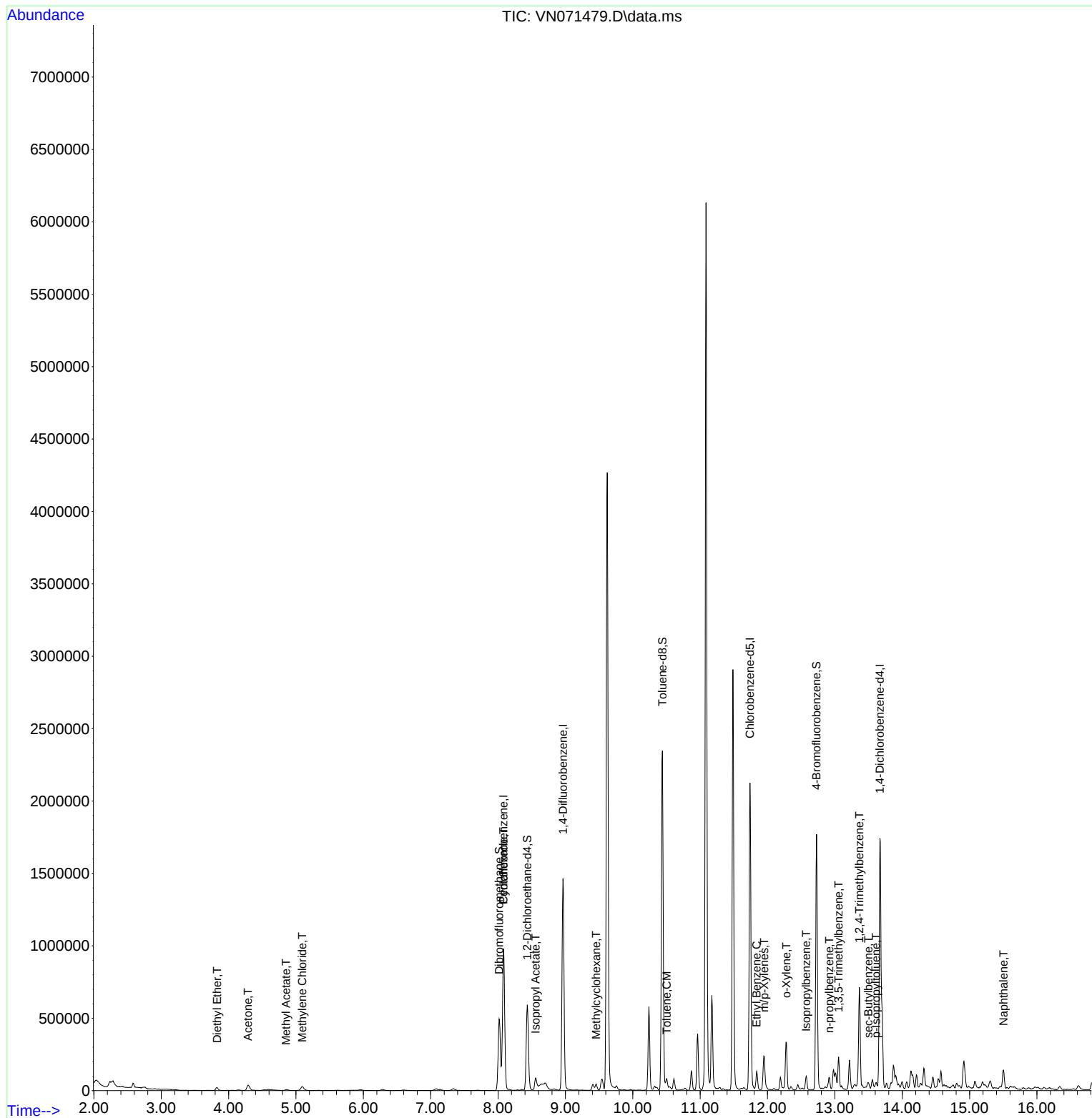
Internal Standards						
1) Pentafluorobenzene	8.081	168	734166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1262366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1226798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	474323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	486454	48.346	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.700%		
35) Dibromofluoromethane	8.016	113	370134	46.464	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.920%		
50) Toluene-d8	10.439	98	1597162	49.797	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.600%		
62) 4-Bromofluorobenzene	12.727	95	609482	56.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.240%		
Target Compounds						Qvalue
8) Diethyl Ether	3.828	74	10904	1.963	ug/l	82
16) Acetone	4.287	43	69750	14.247	ug/l	93
18) Methyl Acetate	4.851	43	14280	1.546	ug/l	93
20) Methylene Chloride	5.093	84	20012	2.601	ug/l	95
31) Cyclohexane	8.081	56	23257	1.447	ug/l #	36
39) Methylcyclohexane	9.457	83	15957	1.063	ug/l	96
43) Isopropyl Acetate	8.557	43	93195	3.548	ug/l #	83
52) Toluene	10.504	92	29316	1.238	ug/l	98
67) Ethyl Benzene	11.839	91	83897	1.801	ug/l	99
68) m/p-Xylenes	11.951	106	77664	4.557	ug/l	97
69) o-Xylene	12.280	106	93744	5.488	ug/l	100
73) Isopropylbenzene	12.574	105	55723	1.219	ug/l	97
78) n-propylbenzene	12.916	91	64272	1.310	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	106306	2.988	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	385914	11.326	ug/l	99
85) sec-Butylbenzene	13.498	105	20536	0.487	ug/l #	74
86) p-Isopropyltoluene	13.610	119	16088	0.485	ug/l	97
95) Naphthalene	15.504	128	122398	10.126	ug/l	99

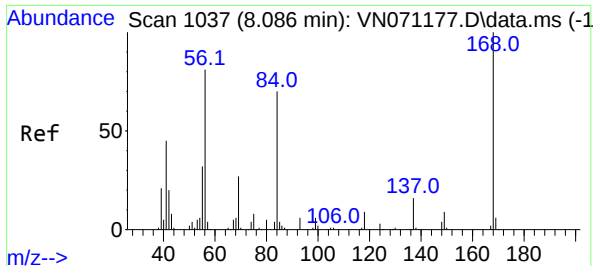
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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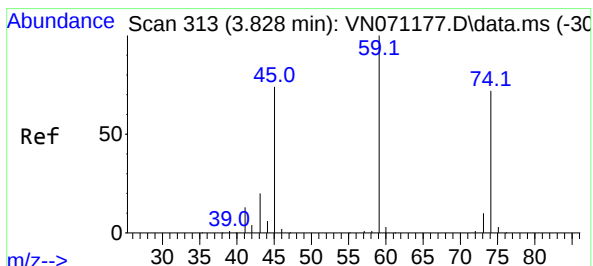
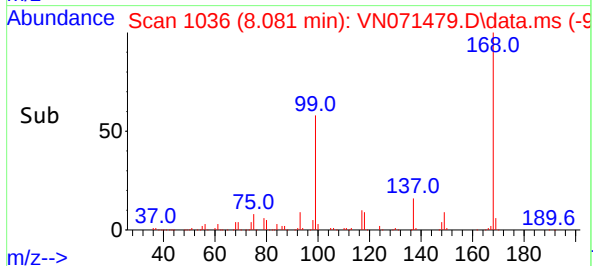
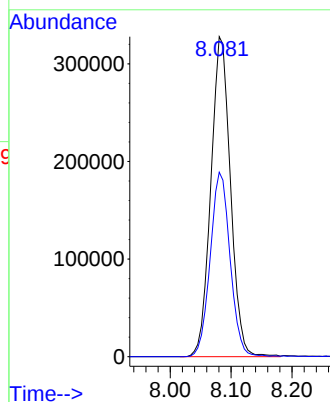
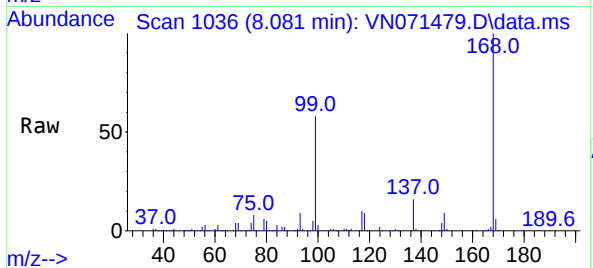




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

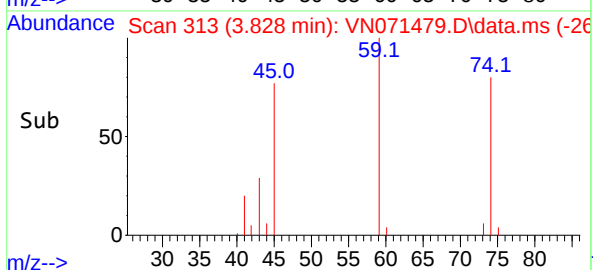
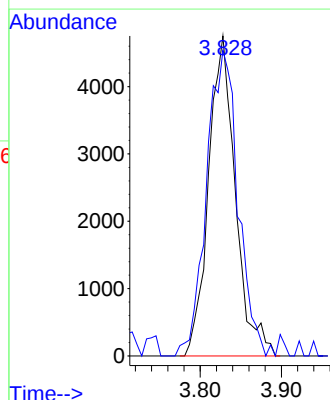
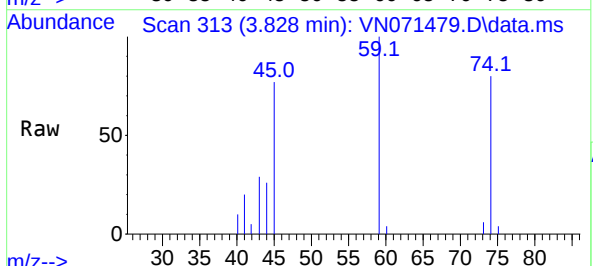
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

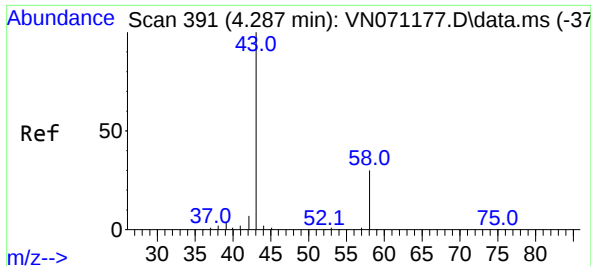
Tgt Ion:168 Resp: 734166
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#8
Diethyl Ether
Concen: 1.963 ug/l
RT: 3.828 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 74 Resp: 10904
Ion Ratio Lower Upper
74 100
45 111.7 47.0 141.2

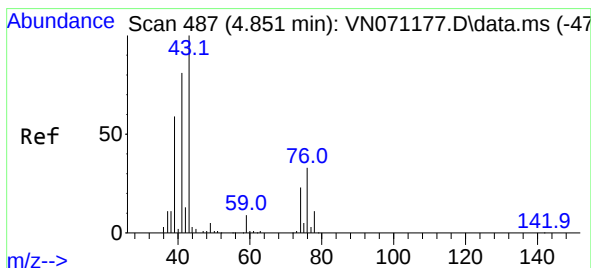
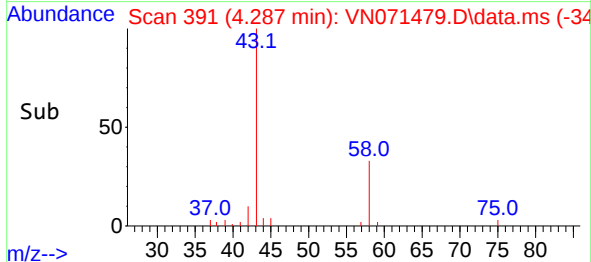
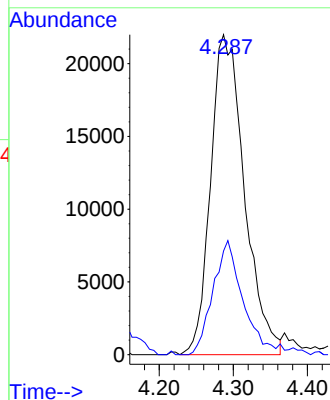
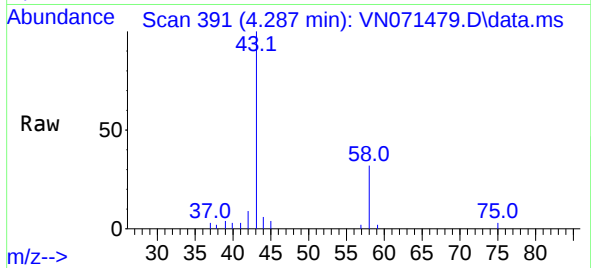




#16
Acetone
Concen: 14.247 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

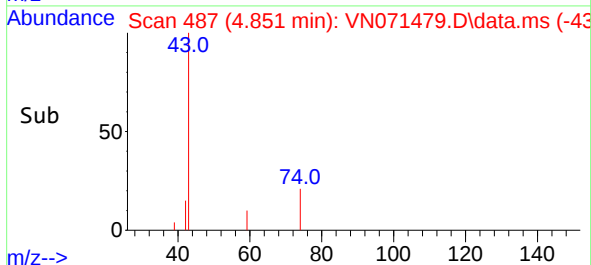
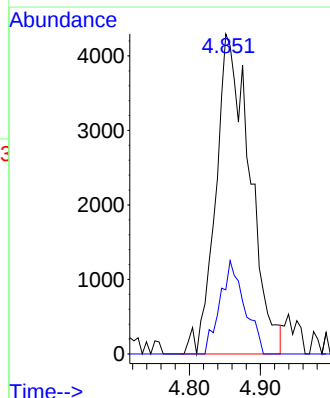
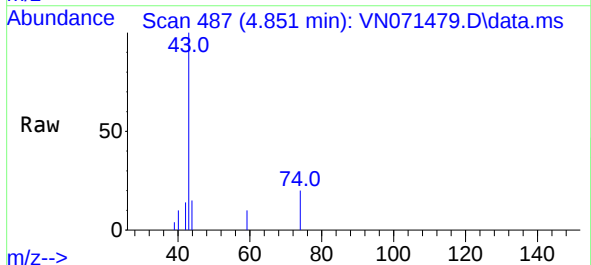
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

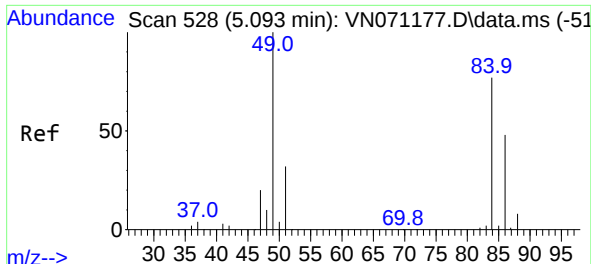
Tgt Ion: 43 Resp: 69750
Ion Ratio Lower Upper
43 100
58 32.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

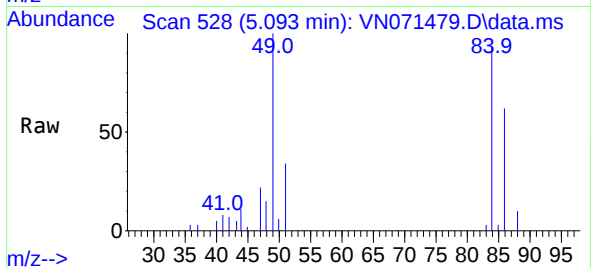
Tgt Ion: 43 Resp: 14280
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.2





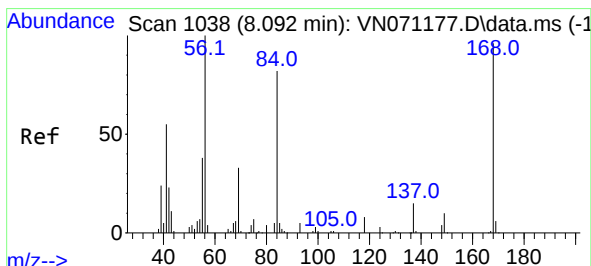
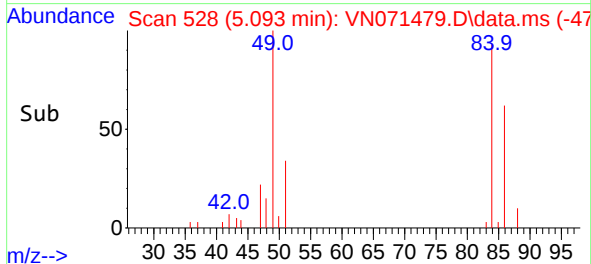
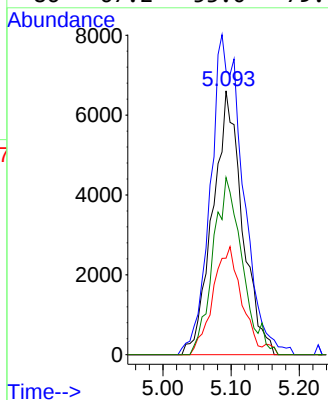
#20
Methylene Chloride
Concen: 2.601 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17



Tgt Ion: 84 Resp: 20012

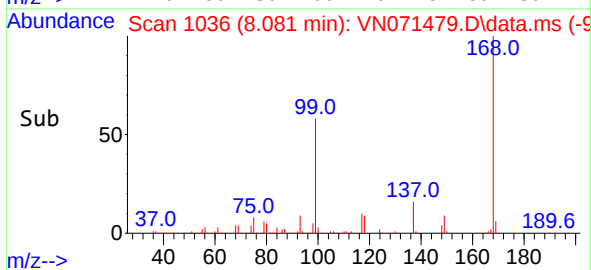
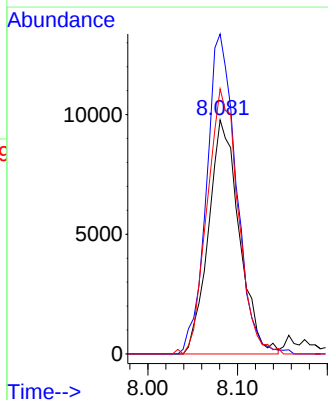
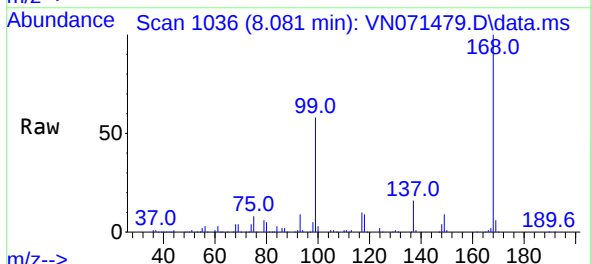
Ion	Ratio	Lower	Upper
84	100		
49	107.6	93.5	140.3
51	36.6	29.4	44.2
86	67.2	53.0	79.4

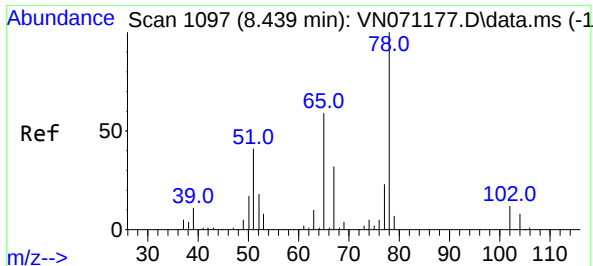


#31
Cyclohexane
Concen: 1.447 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 56 Resp: 23257

Ion	Ratio	Lower	Upper
56	100		
69	136.7	27.1	40.7#
84	111.3	73.4	110.0#

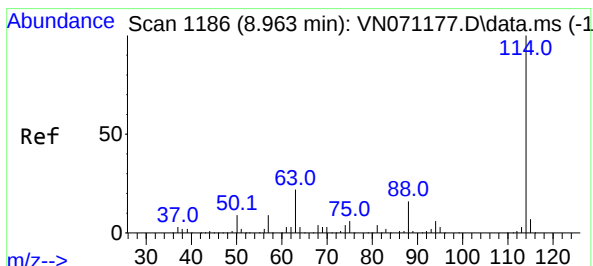
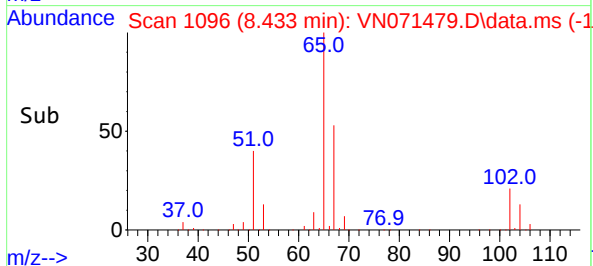
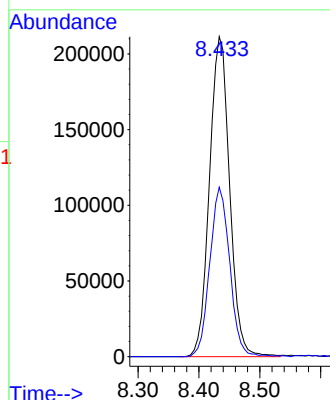
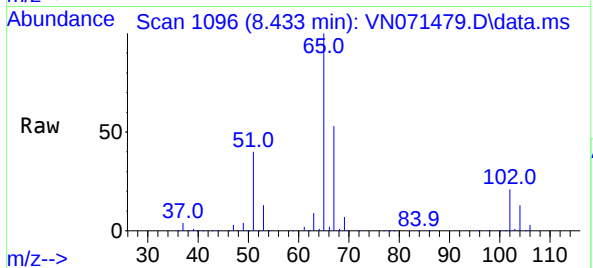




#33
1,2-Dichloroethane-d4
Concen: 48.346 ug/l
RT: 8.433 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

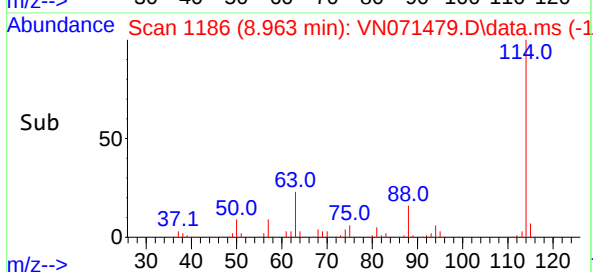
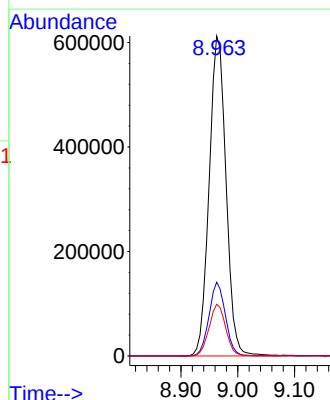
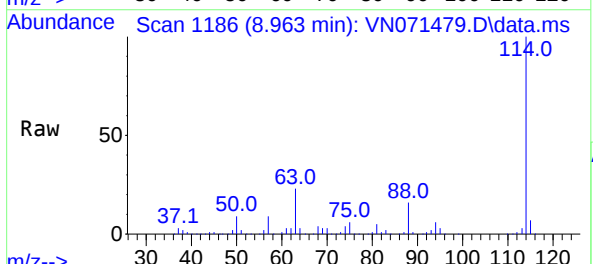
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

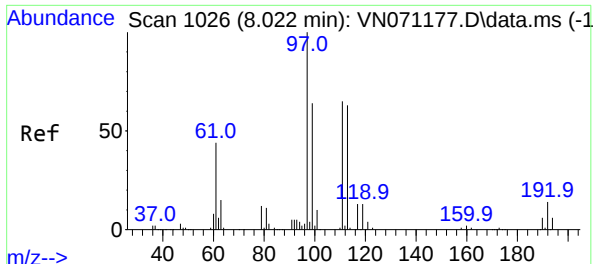
Tgt Ion: 65 Resp: 486454
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 114 Resp: 1262366
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.2 0.0 27.4

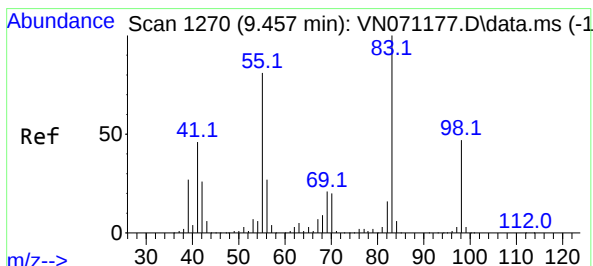
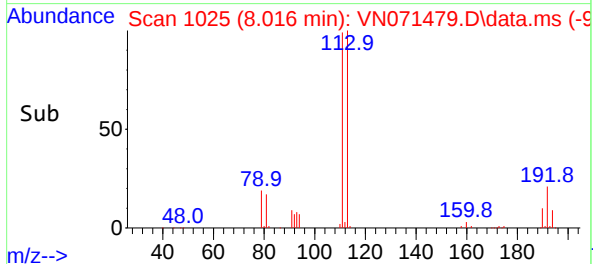
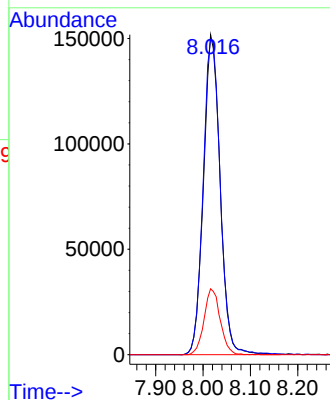
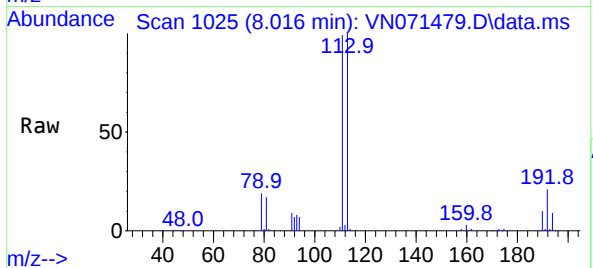




#35
Dibromofluoromethane
Concen: 46.464 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

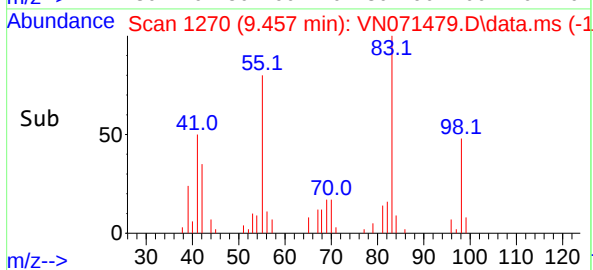
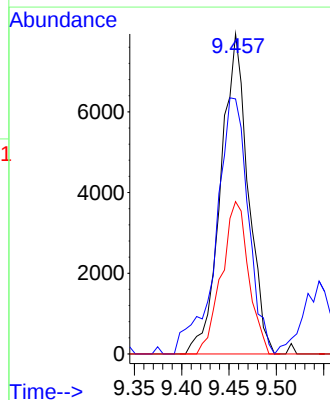
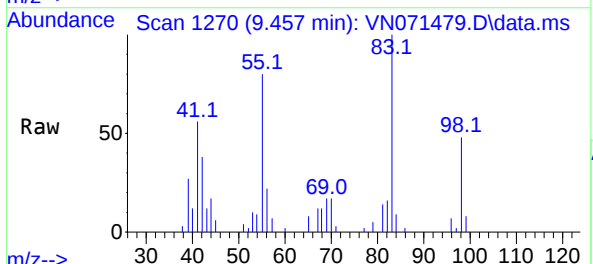
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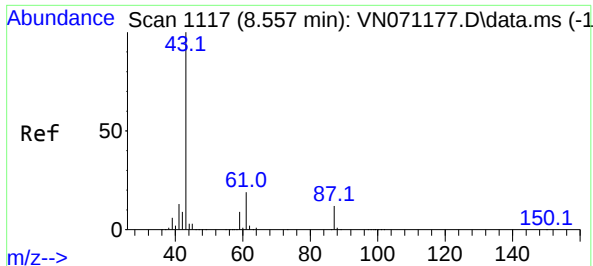
Tgt Ion:113 Resp: 370134
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.0 16.9 25.3



#39
Methylcyclohexane
Concen: 1.063 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 83 Resp: 15957
Ion Ratio Lower Upper
83 100
55 77.4 58.1 87.1
98 47.6 38.4 57.6

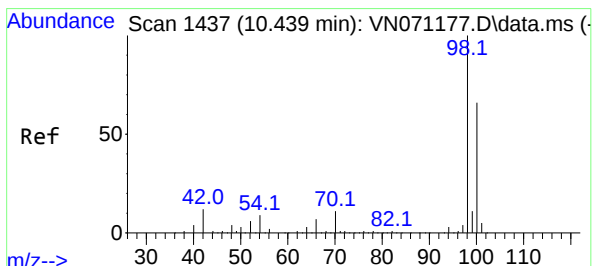
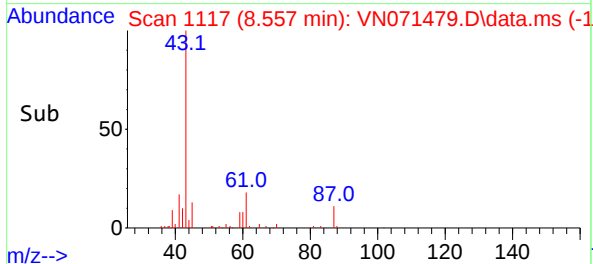
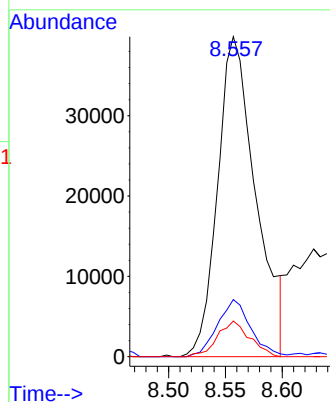
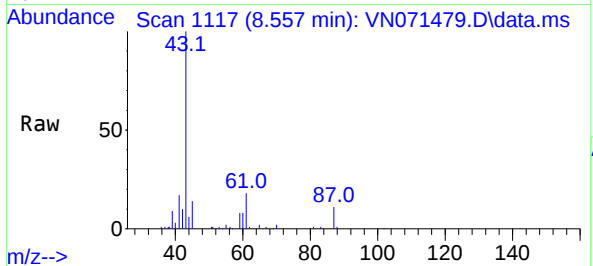




#43
Isopropyl Acetate
Concen: 3.548 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

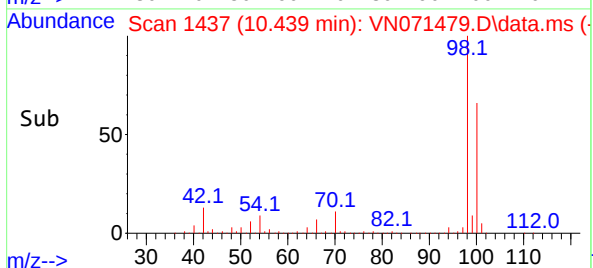
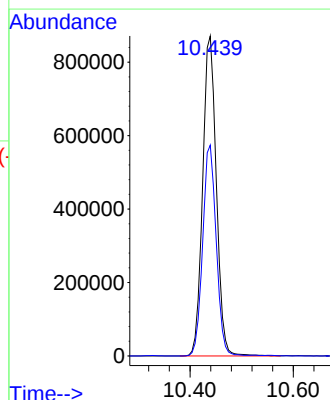
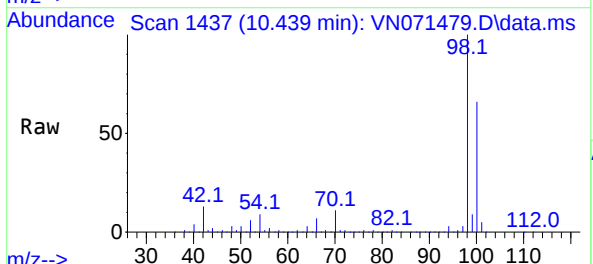
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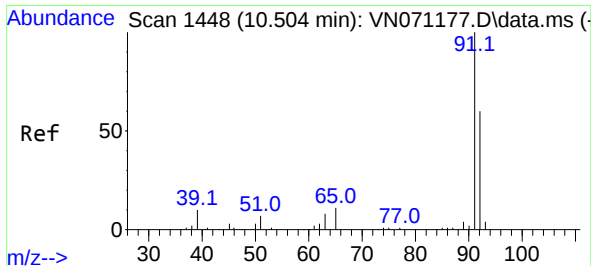
Tgt Ion: 43 Resp: 93195
Ion Ratio Lower Upper
43 100
61 15.5 20.4 30.6#
87 9.5 11.2 16.8#



#50
Toluene-d8
Concen: 49.797 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 98 Resp: 1597162
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

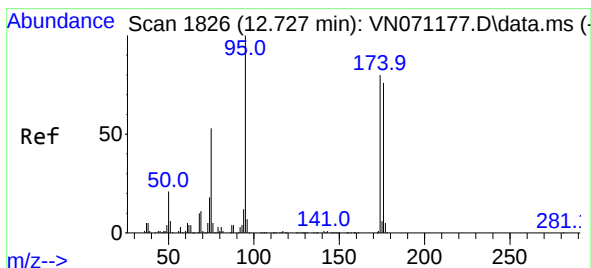
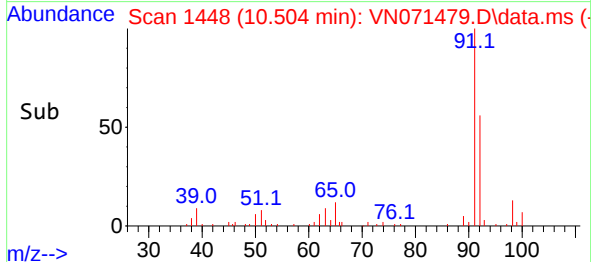
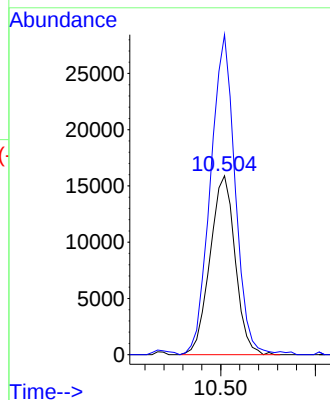
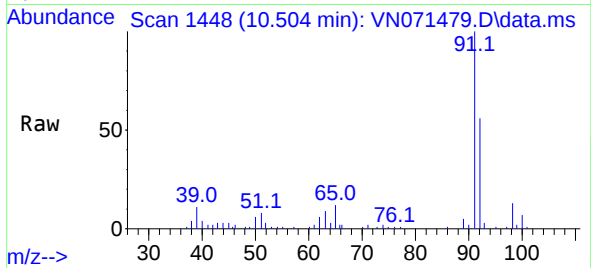




#52
Toluene
Concen: 1.238 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

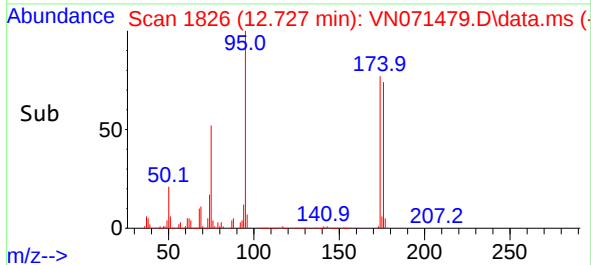
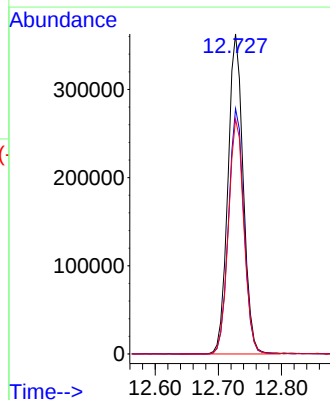
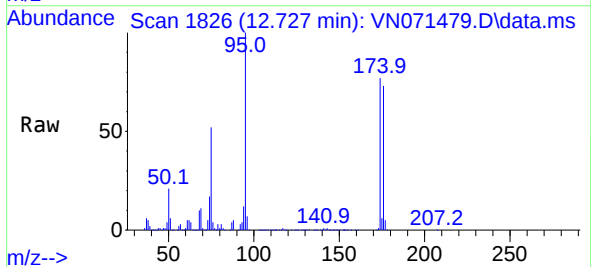
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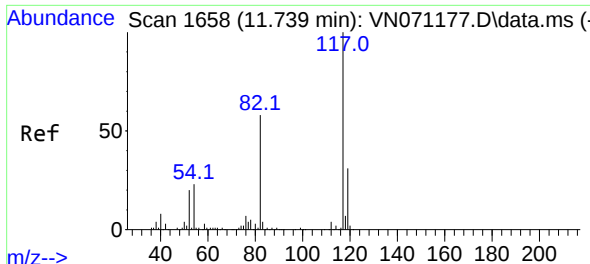
Tgt Ion: 92 Resp: 29316
Ion Ratio Lower Upper
92 100
91 174.9 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 56.117 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 95 Resp: 609482
Ion Ratio Lower Upper
95 100
174 77.2 0.0 187.2
176 74.4 0.0 181.4



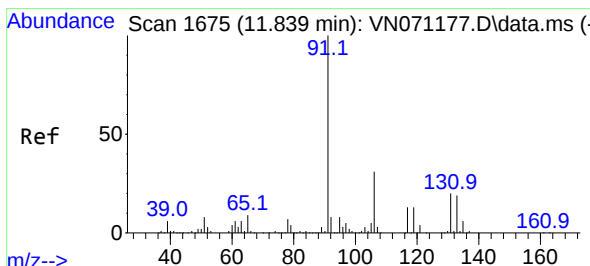
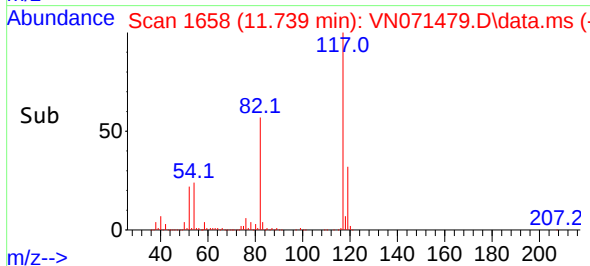
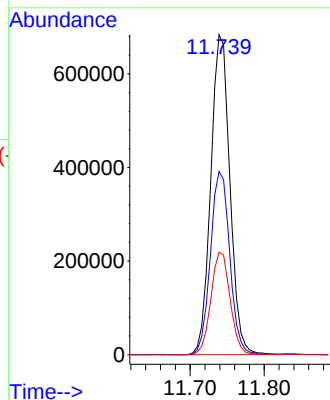
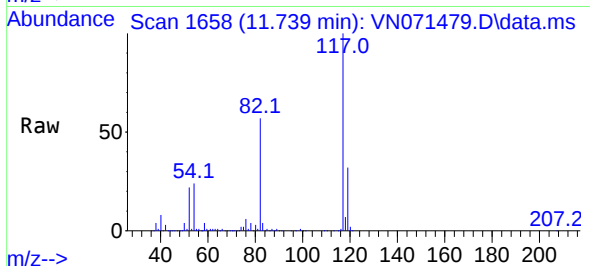


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

Tgt Ion:117 Resp: 1226798

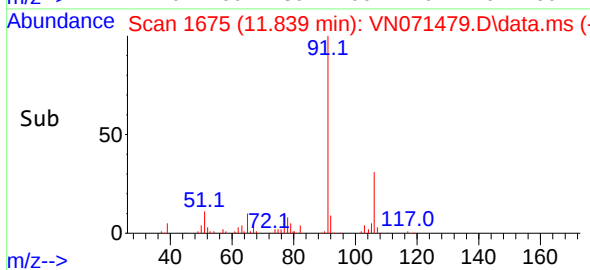
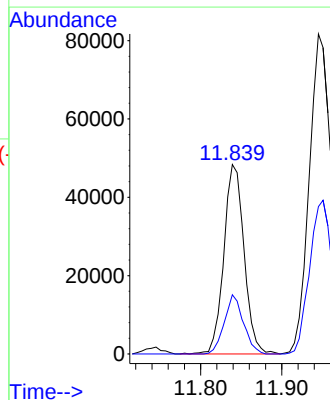
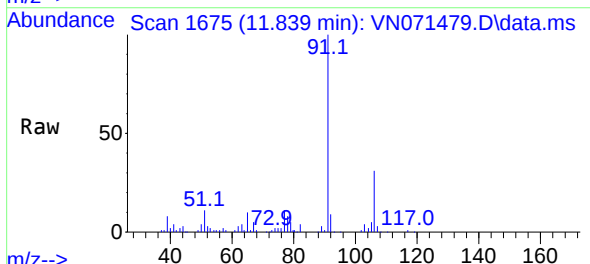
Ion	Ratio	Lower	Upper
117	100		
82	57.3	42.4	63.6
119	32.0	25.4	38.2

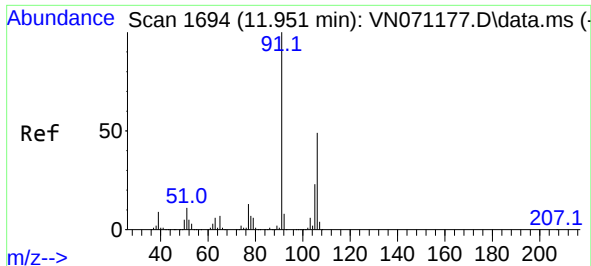


#67
Ethyl Benzene
Concen: 1.801 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion: 91 Resp: 83897

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.7	38.5

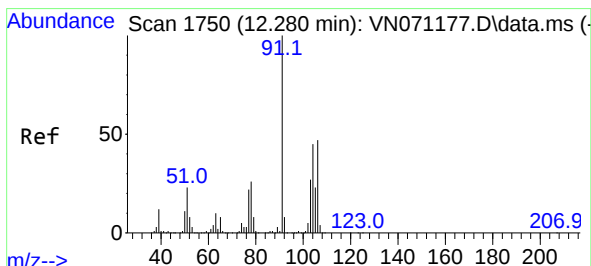
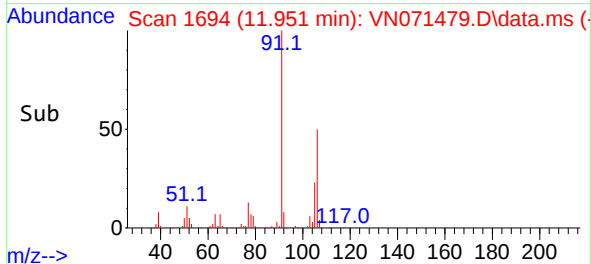
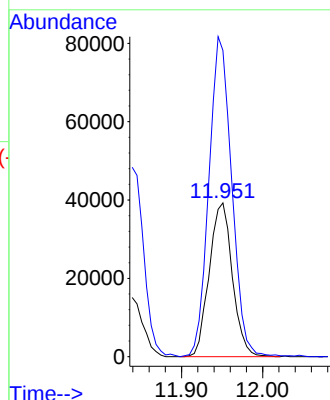
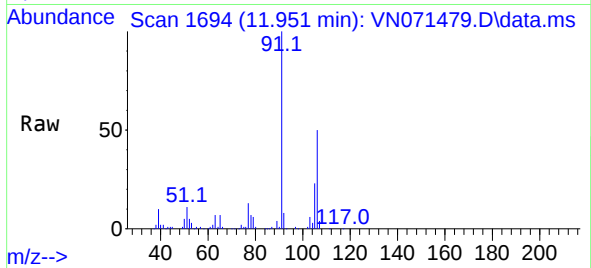




#68
m/p-Xylenes
Concen: 4.557 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

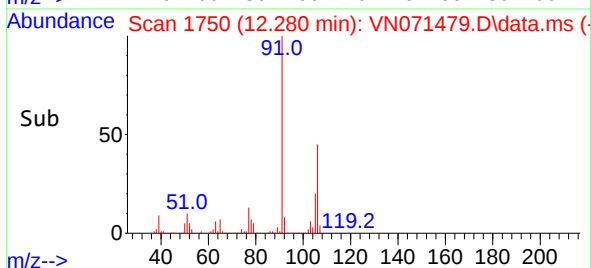
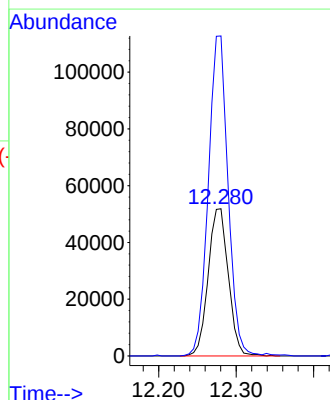
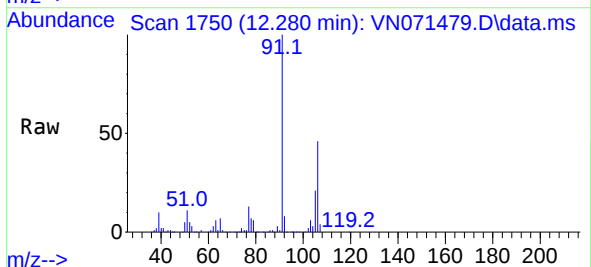
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

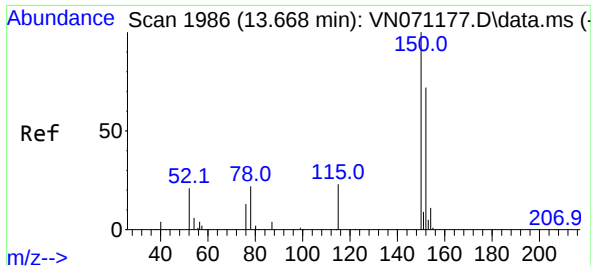
Tgt Ion:106 Resp: 77664
Ion Ratio Lower Upper
106 100
91 205.6 160.6 240.8



#69
o-Xylene
Concen: 5.488 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion:106 Resp: 93744
Ion Ratio Lower Upper
106 100
91 212.2 105.8 317.3

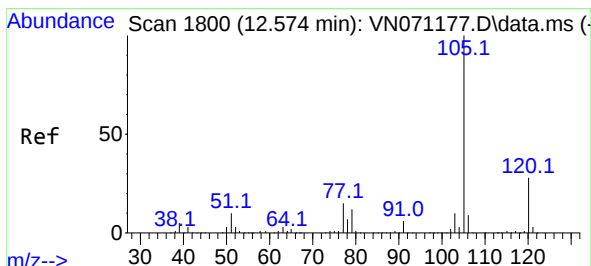
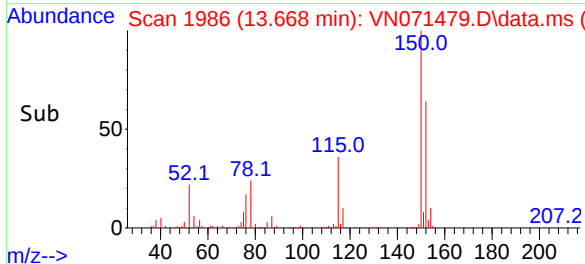
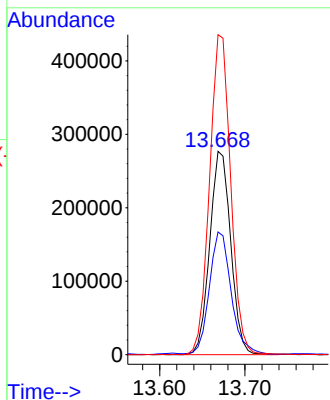
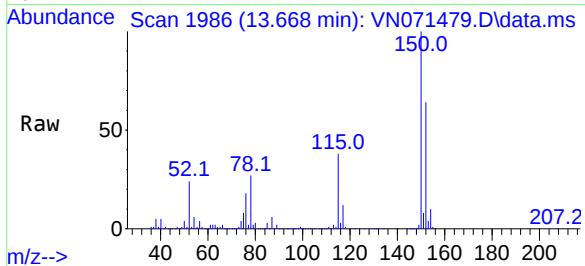




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

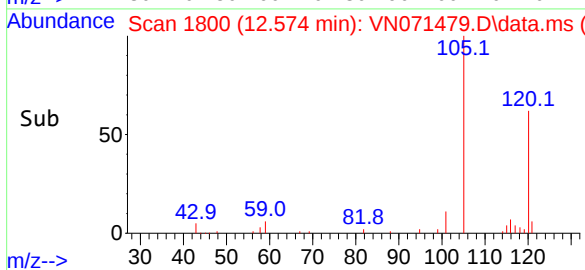
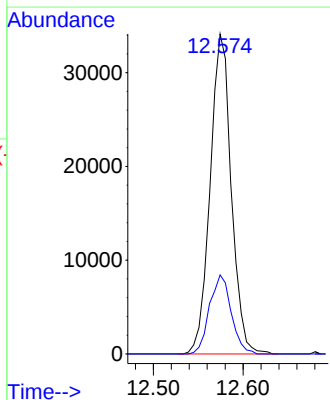
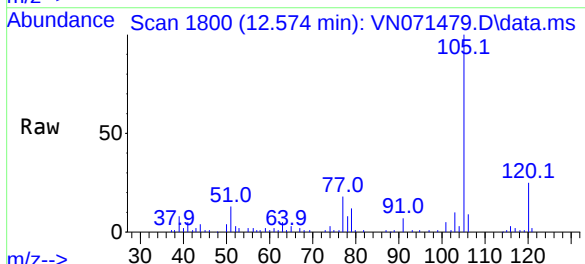
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

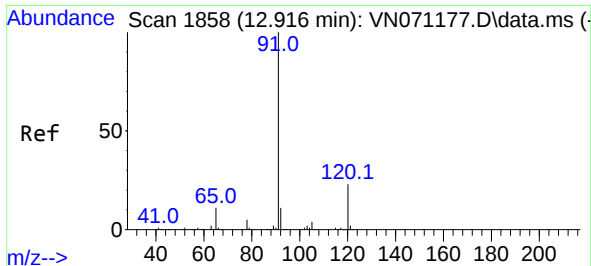
Tgt Ion:152 Resp: 474323
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.5
150 158.3 0.0 344.4



#73
Isopropylbenzene
Concen: 1.219 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion:105 Resp: 55723
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1

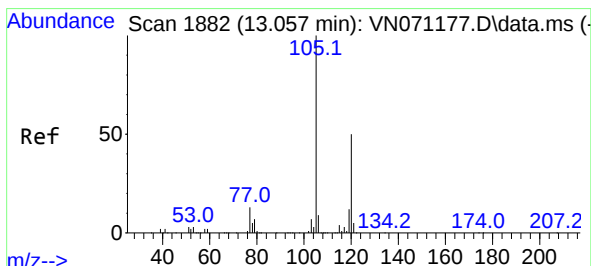
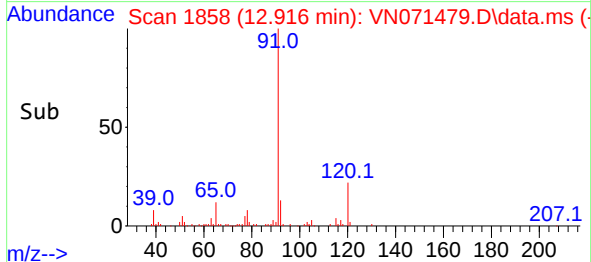
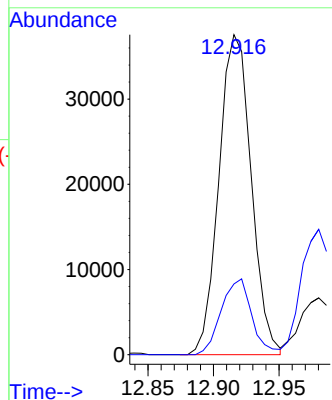
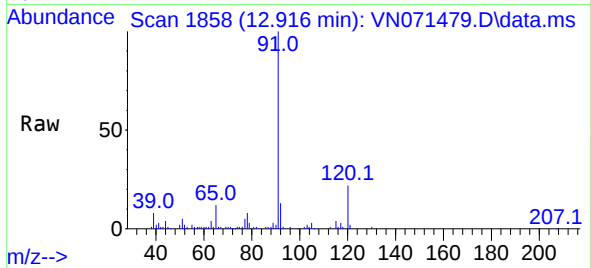




#78
n-propylbenzene
Concen: 1.310 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

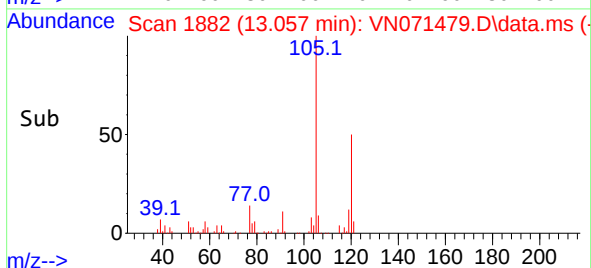
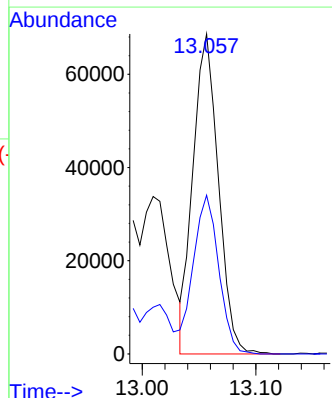
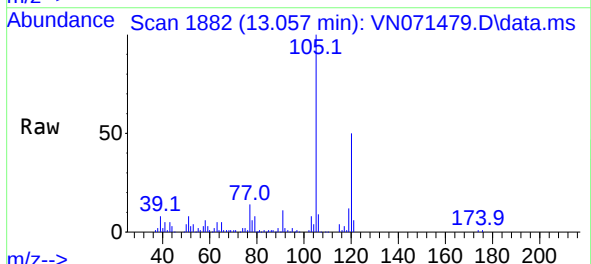
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

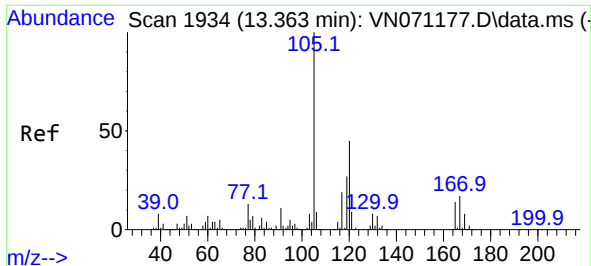
Tgt Ion: 91 Resp: 64272
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 2.988 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion:105 Resp: 106306
Ion Ratio Lower Upper
105 100
120 51.0 24.6 73.6

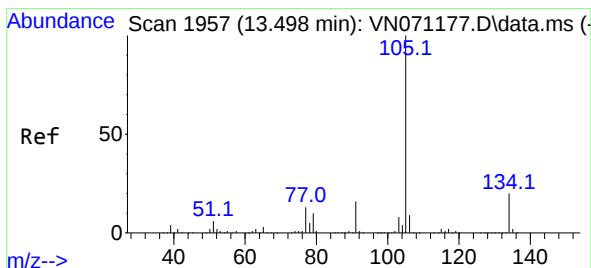
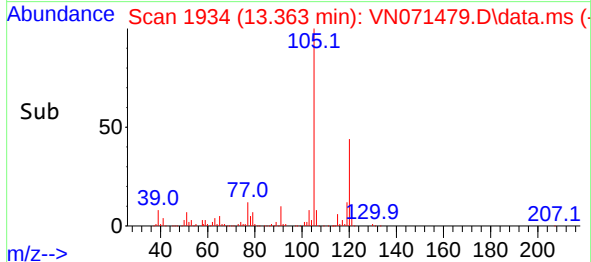
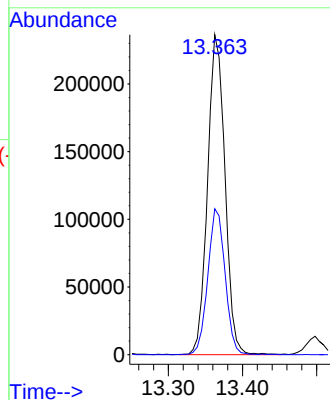
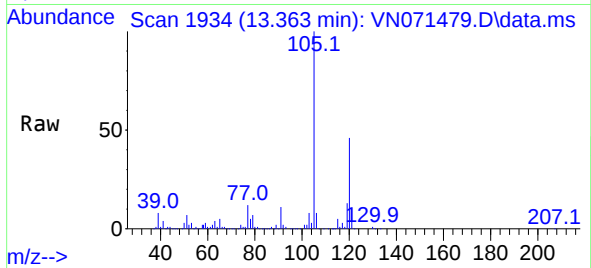




#84
1,2,4-Trimethylbenzene
Concen: 11.326 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

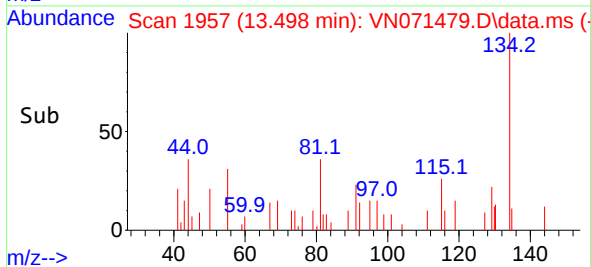
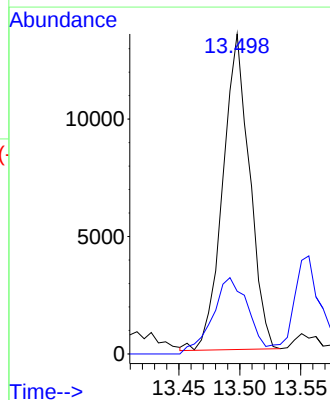
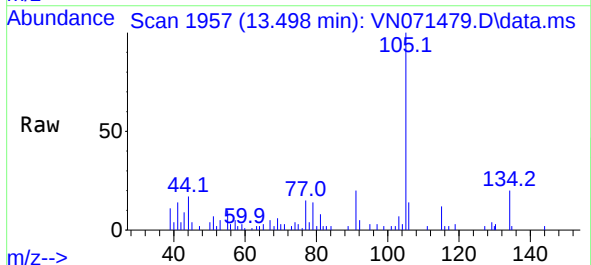
Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

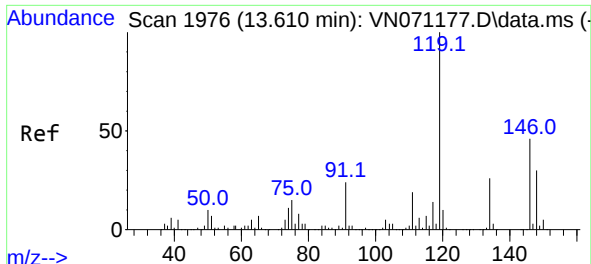
Tgt Ion:105 Resp: 385914
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.487 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion:105 Resp: 20536
Ion Ratio Lower Upper
105 100
134 32.6 10.4 31.1#

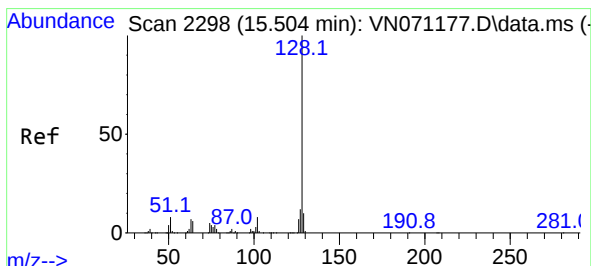
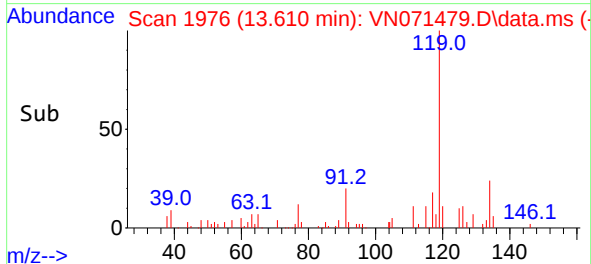
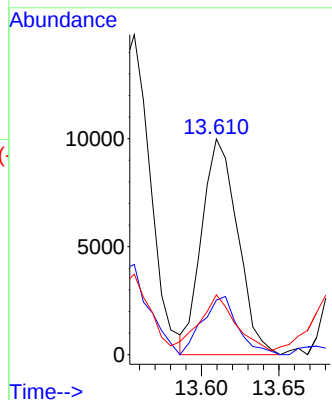
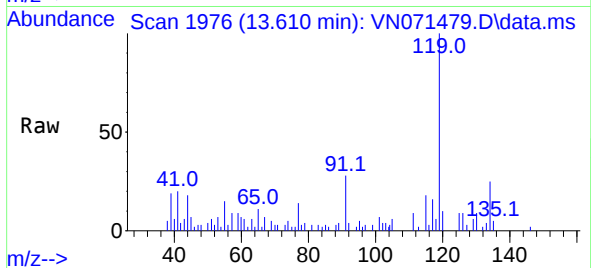




#86
p-Isopropyltoluene
Concen: 0.485 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Instrument :
MSVOA_N
ClientSampleId :
C-17-16-17

Tgt Ion:119 Resp: 16088
Ion Ratio Lower Upper
119 100
134 26.6 13.6 40.7
91 25.7 11.4 34.1



#95
Naphthalene
Concen: 10.126 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071479.D
Acq: 22 Mar 2022 20:10

Tgt Ion:128 Resp: 122398
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 9.8 8.7 13.1

