

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070371.D
 Acq On : 30 Dec 2021 2:29
 Operator : JC/MD
 Sample : M5219-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

Quant Time: Dec 30 03:17:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	798387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1444052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1164552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	328220	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	684462	59.626	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 119.260%	
35) Dibromofluoromethane	8.021	113	476927	54.586	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.180%	
50) Toluene-d8	10.443	98	1595946	44.714	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 89.420%	
62) 4-Bromofluorobenzene	12.731	95	524623	40.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 81.400%	

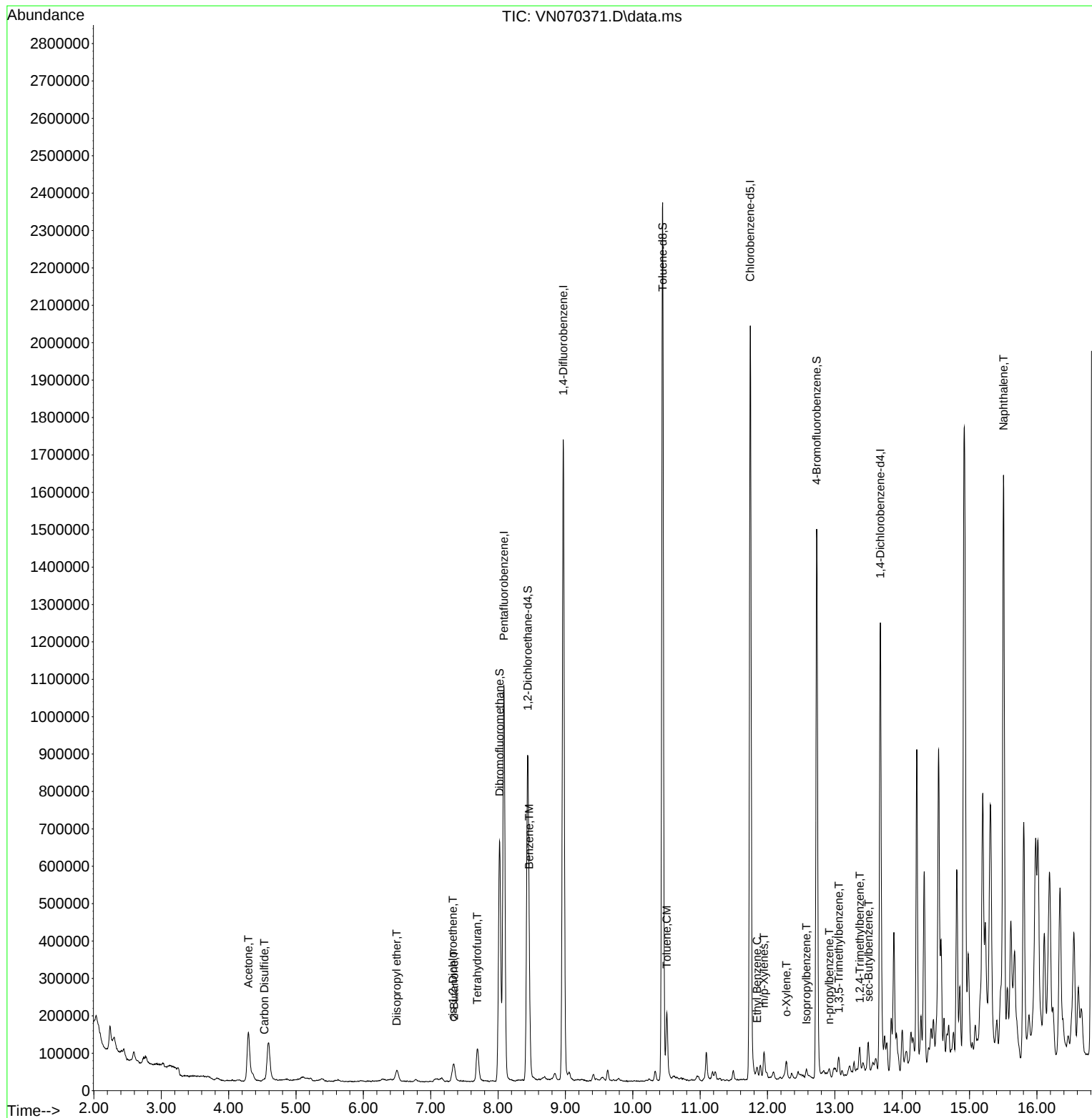
Target Compounds					Qvalue	
16) Acetone	4.293	43	227020	30.465	ug/l	99
17) Carbon Disulfide	4.529	76	10152	0.457	ug/l	99
22) Diisopropyl ether	6.495	45	38130	1.062	ug/l #	85
25) 2-Butanone	7.346	43	66293	7.065	ug/l #	87
27) cis-1,2-Dichloroethene	7.329	96	7670	0.747	ug/l	91
29) Tetrahydrofuran	7.691	42	76137	13.601	ug/l #	84
40) Benzene	8.461	78	170344	3.844	ug/l	99
52) Toluene	10.505	92	71129	2.652	ug/l	99
67) Ethyl Benzene	11.843	91	17338m	0.383	ug/l	
68) m/p-Xylenes	11.948	106	21200	1.286	ug/l	84
69) o-Xylene	12.280	106	10836	0.661	ug/l	98
73) Isopropylbenzene	12.578	105	11279	0.370	ug/l	99
78) n-propylbenzene	12.919	91	17786	0.527	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	9441	0.387	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	43401	1.845	ug/l	97
85) sec-Butylbenzene	13.501	105	19634	0.672	ug/l	80
95) Naphthalene	15.504	128	1397619	91.896	ug/l	100

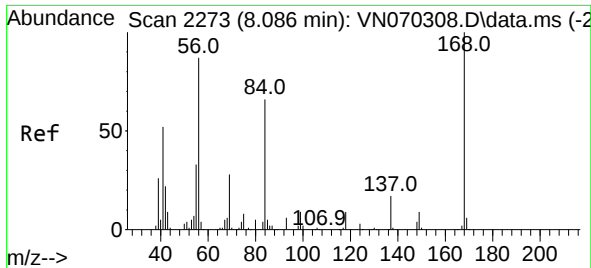
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

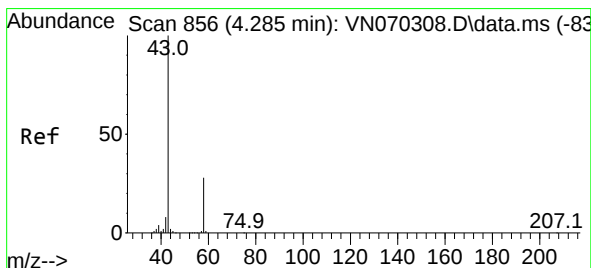
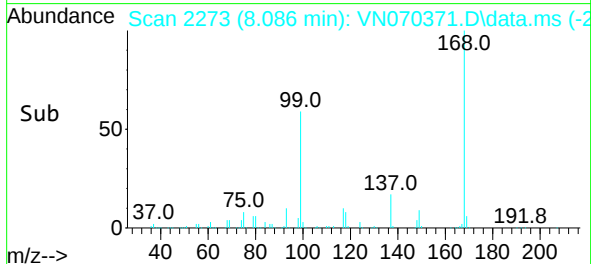
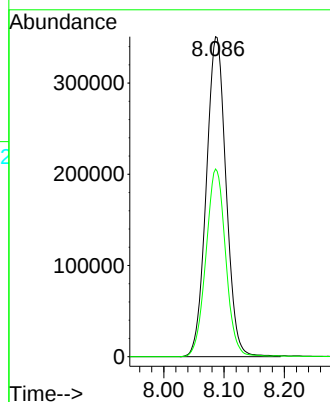
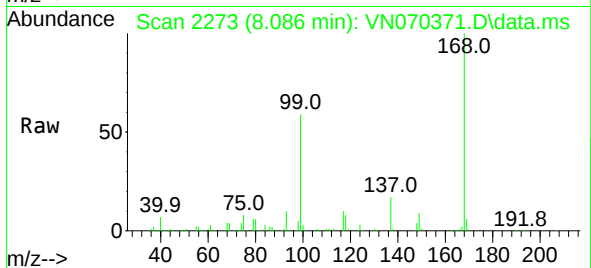




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

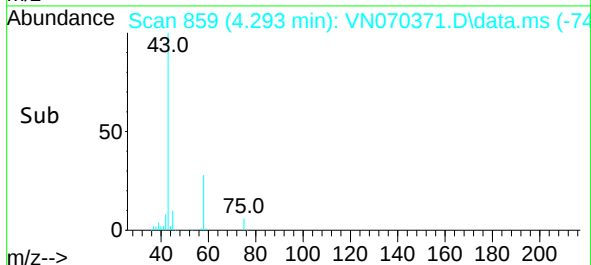
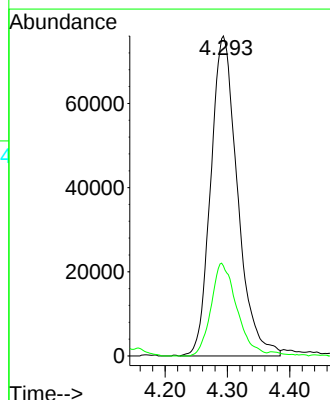
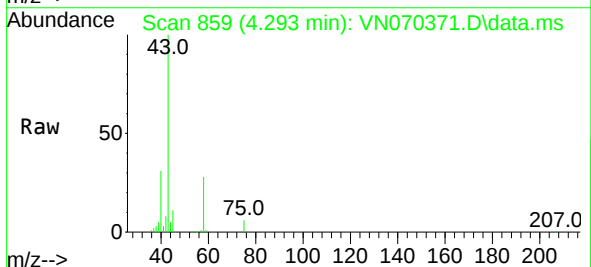
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

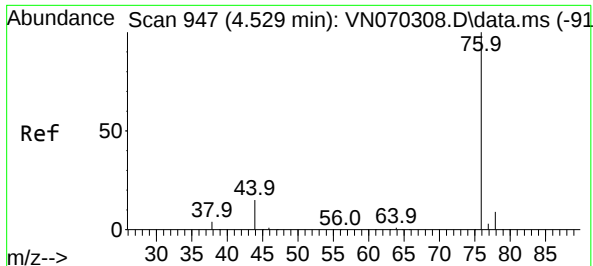
Tgt Ion:168 Resp: 798387
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#16
Acetone
Concen: 30.465 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

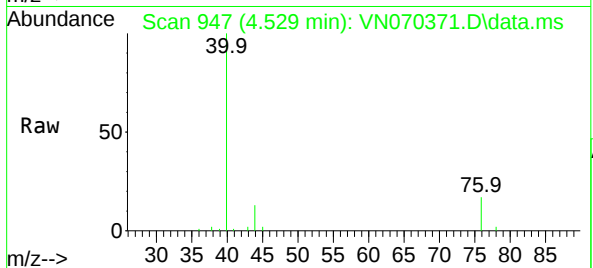
Tgt Ion: 43 Resp: 227020
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



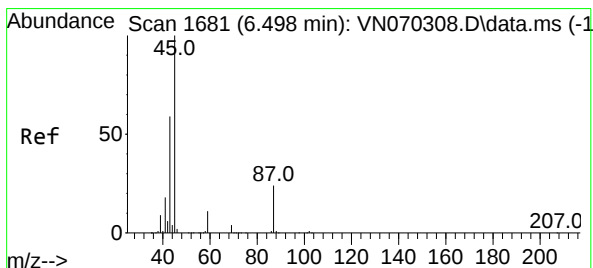
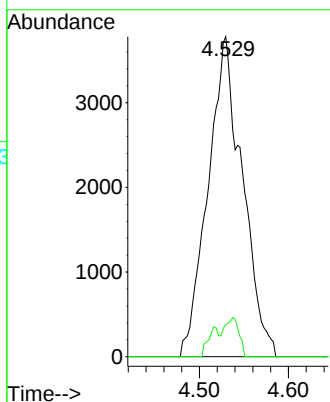
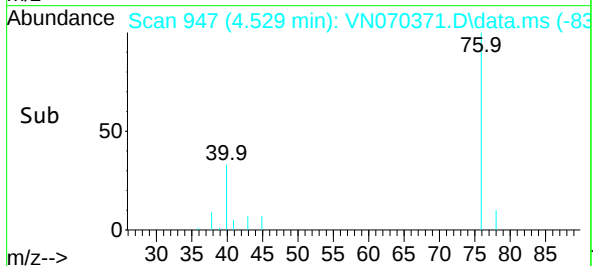


#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

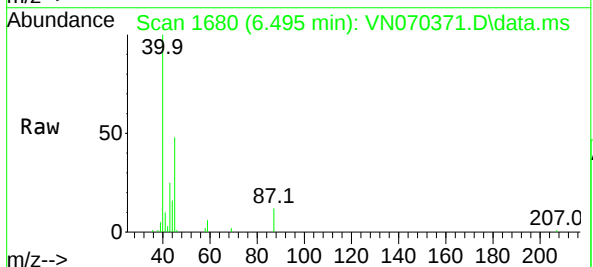
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC



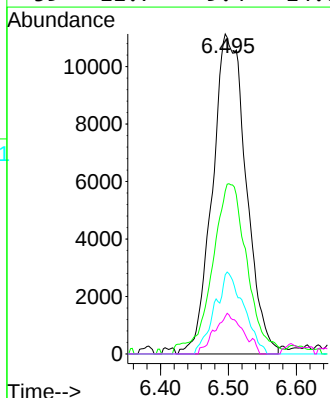
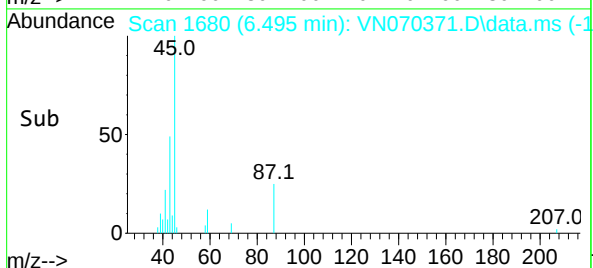
Tgt Ion: 76 Resp: 10152
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3

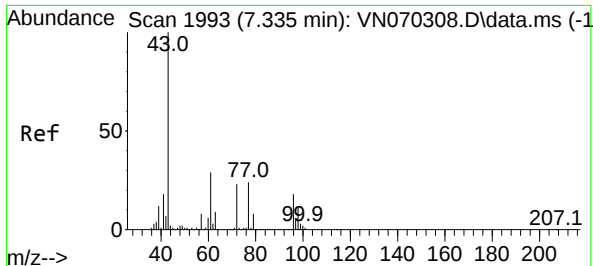


#22
Diisopropyl ether
Concen: 1.062 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29



Tgt Ion: 45 Resp: 38130
Ion Ratio Lower Upper
45 100
43 48.6 51.7 77.5#
87 24.8 23.2 34.8
59 11.7 9.4 14.0





#25

2-Butanone

Concen: 7.065 ug/l

RT: 7.346 min Scan# 1993

Delta R.T. 0.011 min

Lab File: VN070371.D

Acq: 30 Dec 2021 2:29

Instrument :

MSVOA_N

ClientSampleId :

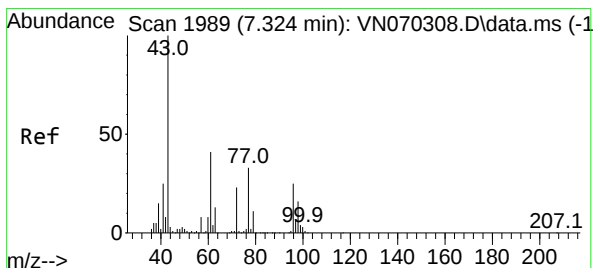
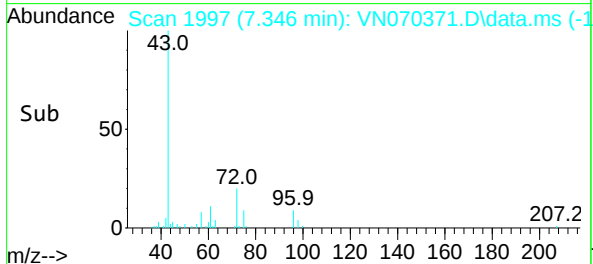
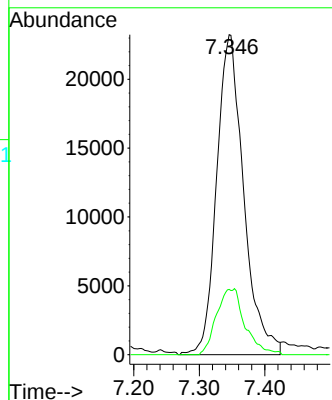
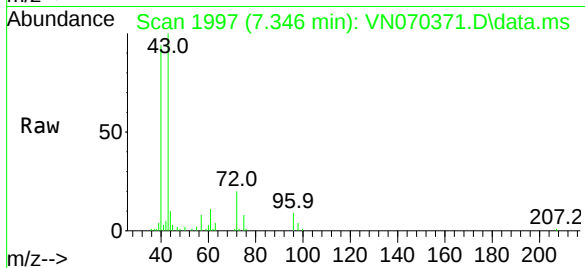
N48854-VOC

Tgt Ion: 43 Resp: 66293

Ion Ratio Lower Upper

43 100

72 20.4 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 0.747 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.005 min

Lab File: VN070371.D

Acq: 30 Dec 2021 2:29

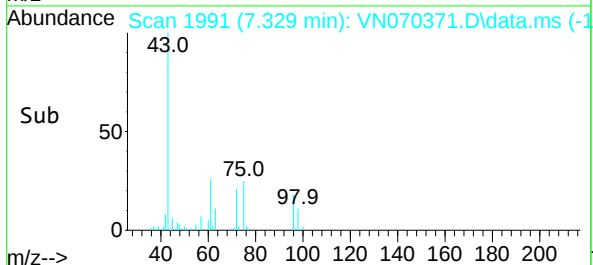
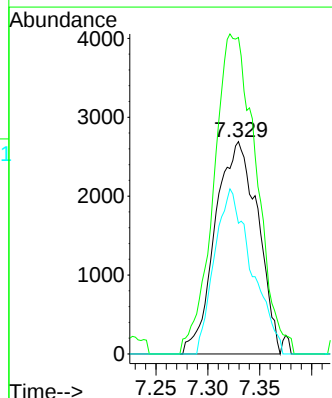
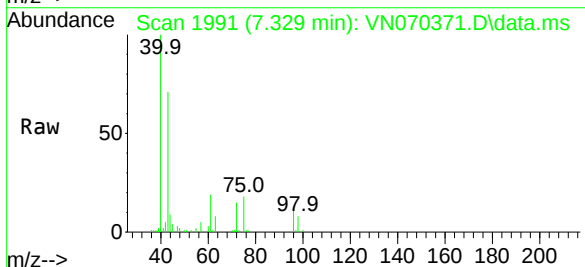
Tgt Ion: 96 Resp: 7670

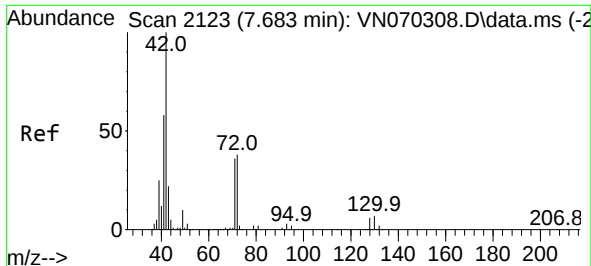
Ion Ratio Lower Upper

96 100

61 150.3 0.0 275.0

98 67.9 0.0 129.6





#29

Tetrahydrofuran

Concen: 13.601 ug/l

RT: 7.691 min Scan# 21

Delta R.T. 0.008 min

Lab File: VN070371.D

Acq: 30 Dec 2021 2:29

Instrument :

MSVOA_N

ClientSampleId :

N48854-VOC

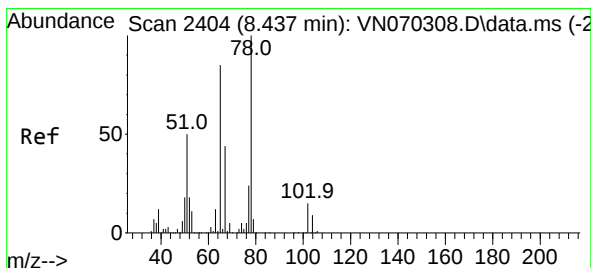
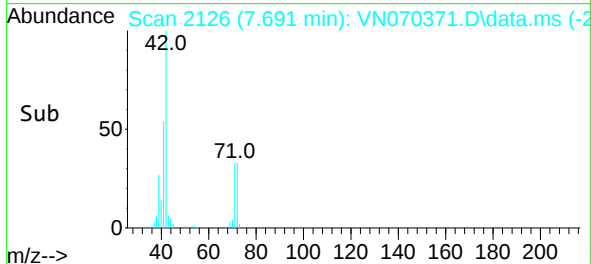
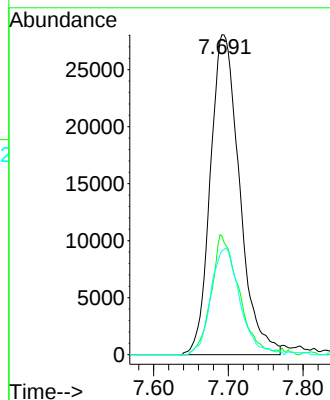
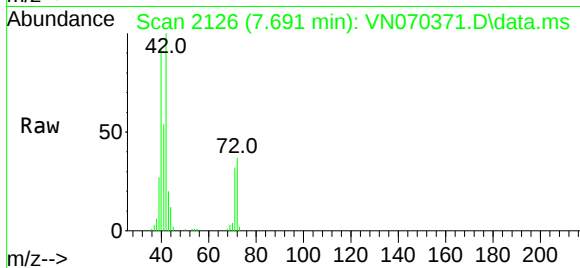
Tgt Ion: 42 Resp: 76137

Ion Ratio Lower Upper

42 100

72 35.2 36.3 54.5#

71 33.1 34.7 52.1#



#33

1,2-Dichloroethane-d4

Concen: 59.626 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN070371.D

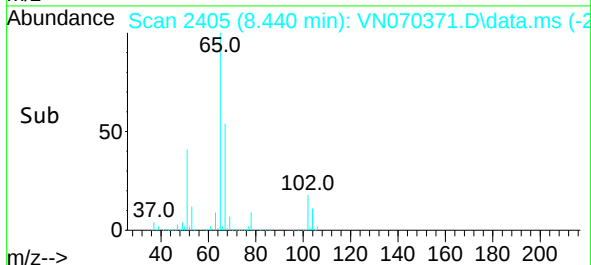
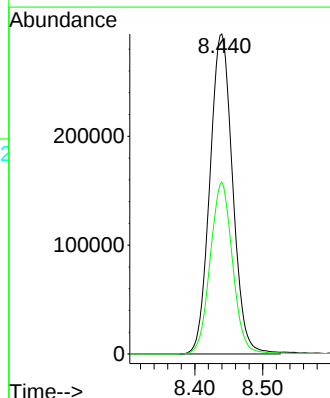
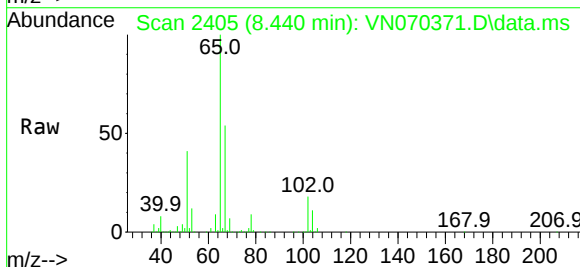
Acq: 30 Dec 2021 2:29

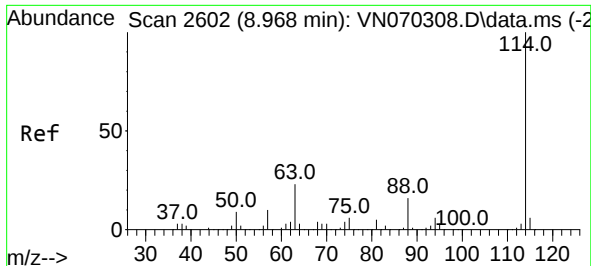
Tgt Ion: 65 Resp: 684462

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0

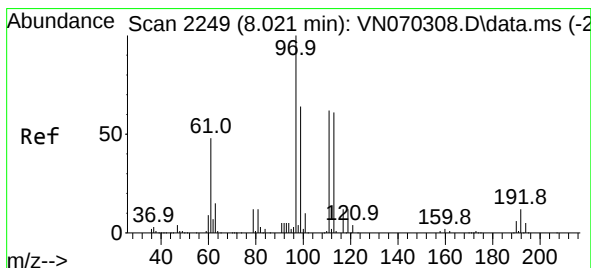
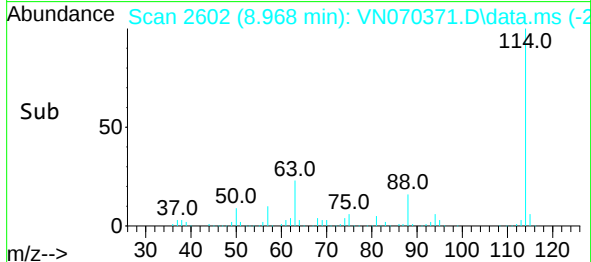
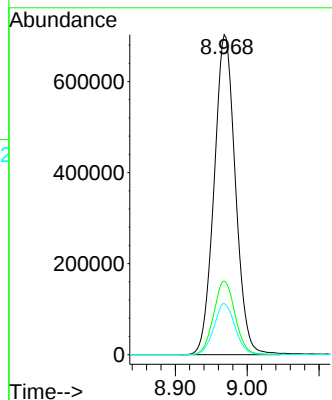
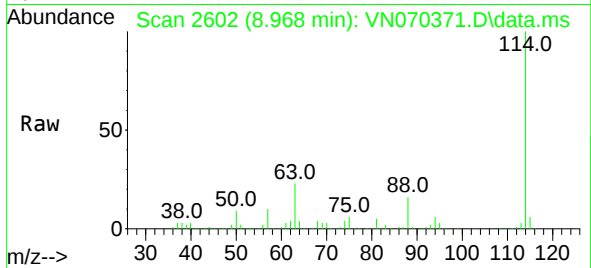




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

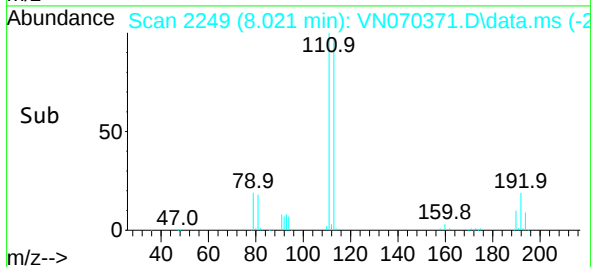
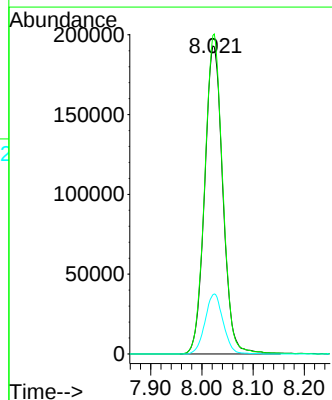
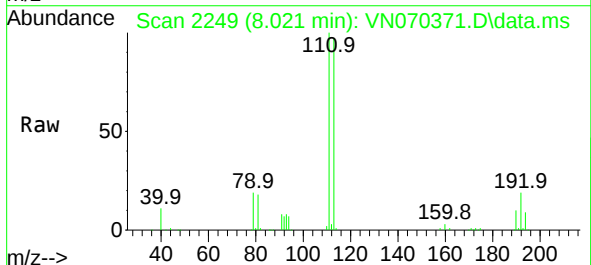
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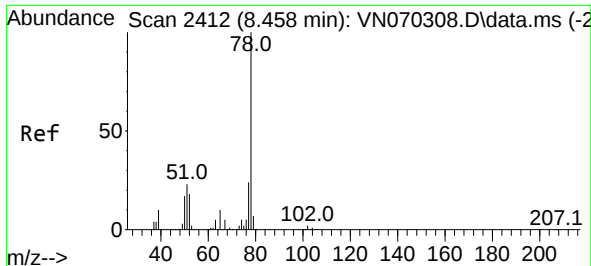
Tgt Ion:114 Resp: 1444052
Ion Ratio Lower Upper
114 100
63 23.0 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 54.586 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion:113 Resp: 476927
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 19.3 16.9 25.3

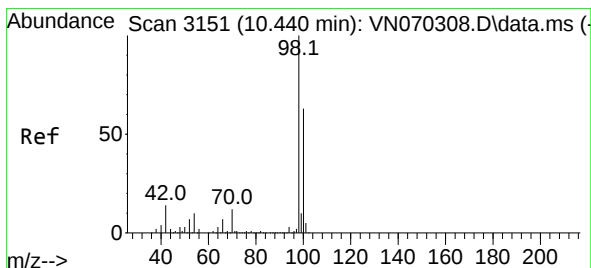
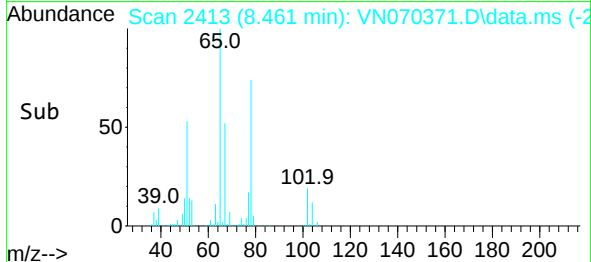
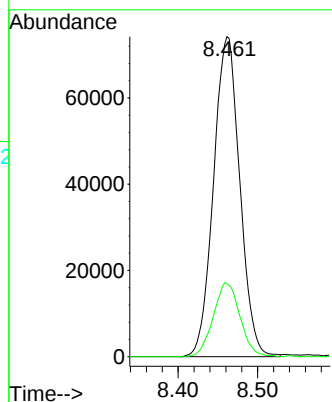
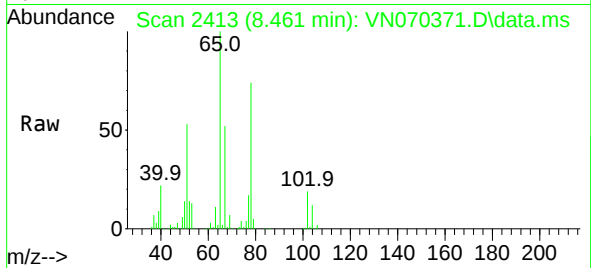




#40
Benzene
Concen: 3.844 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

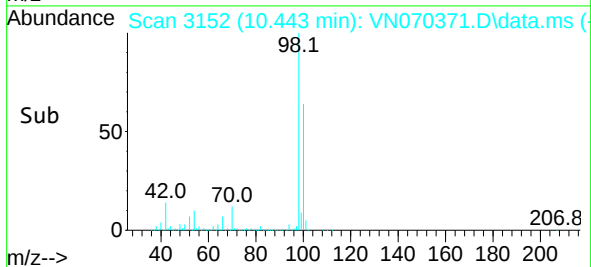
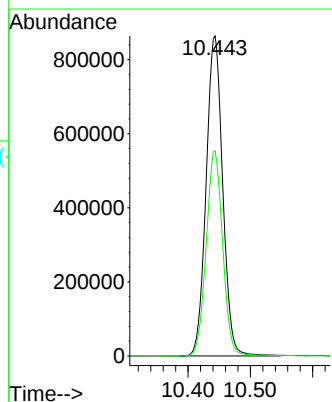
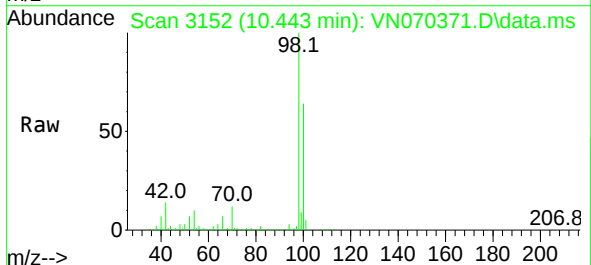
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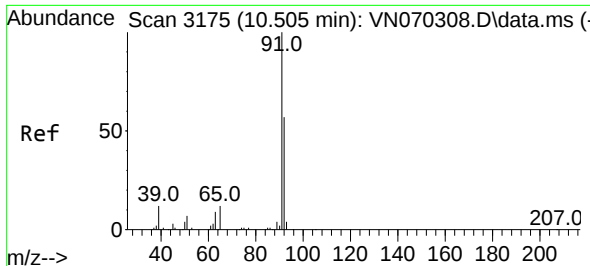
Tgt Ion: 78 Resp: 170344
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8



#50
Toluene-d8
Concen: 44.714 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion: 98 Resp: 1595946
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6

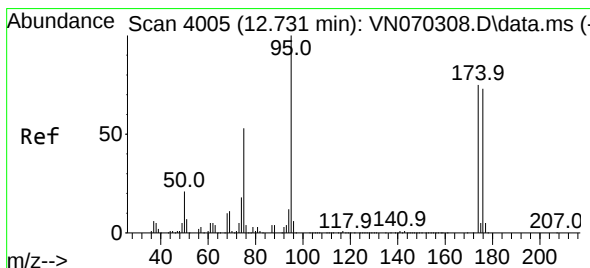
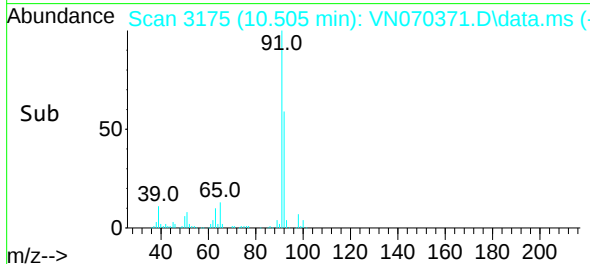
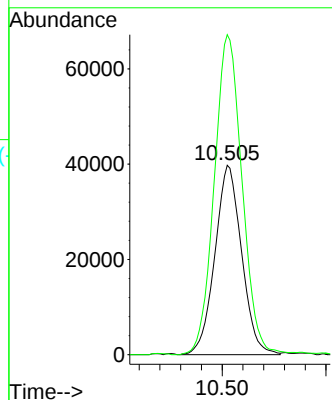
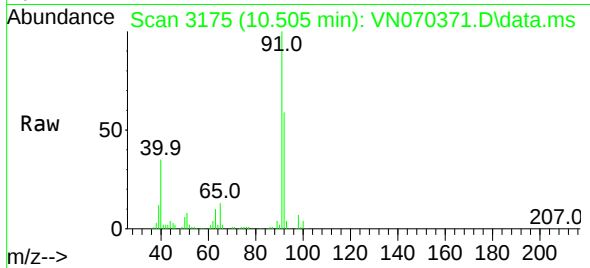




#52
Toluene
Concen: 2.652 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

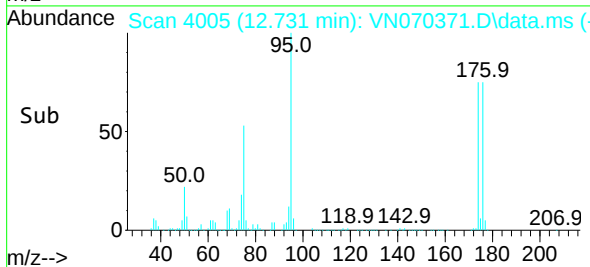
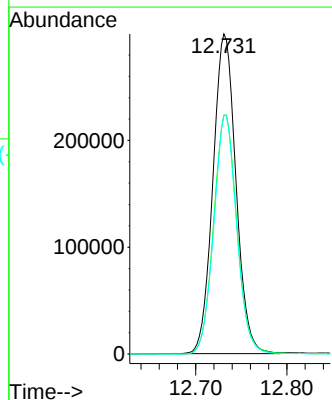
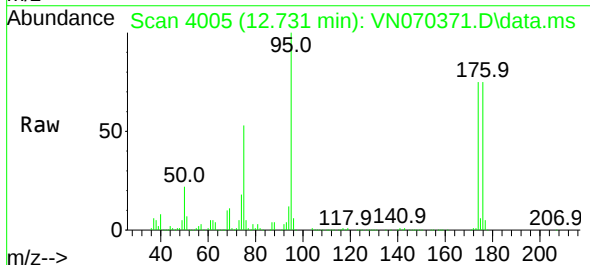
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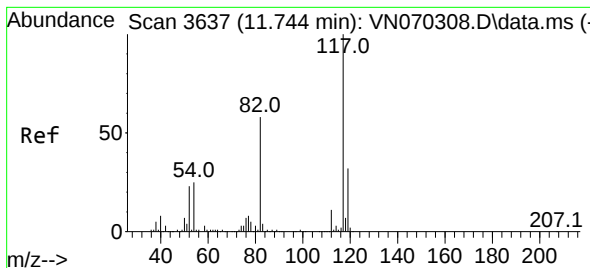
Tgt Ion: 92 Resp: 71129
Ion Ratio Lower Upper
92 100
91 175.6 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 40.696 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion: 95 Resp: 524623
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 74.2 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VN070371.D

Acq: 30 Dec 2021 2:29

Instrument :

MSVOA_N

ClientSampleId :

N48854-VOC

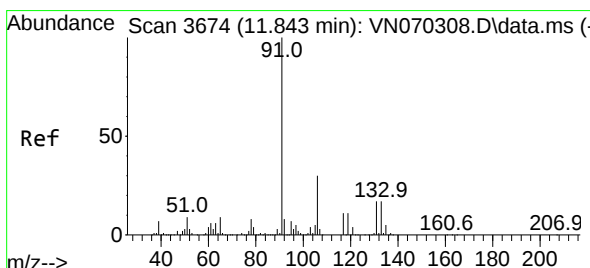
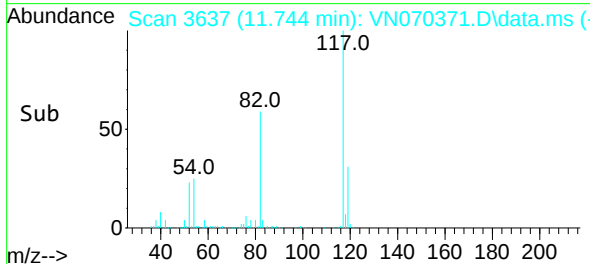
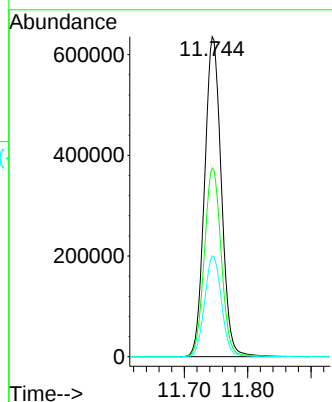
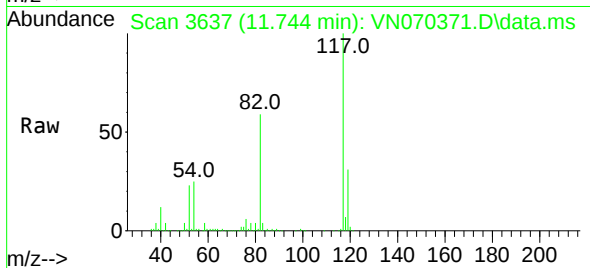
Tgt Ion:117 Resp: 1164552

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 31.5 25.4 38.2



#67

Ethyl Benzene

Concen: 0.383 ug/l m

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070371.D

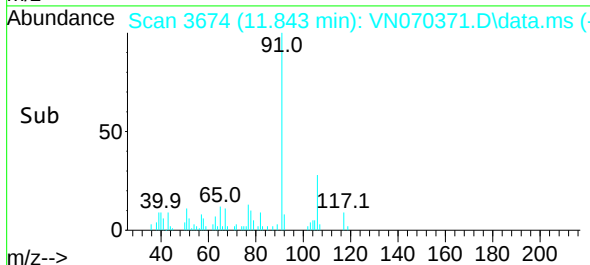
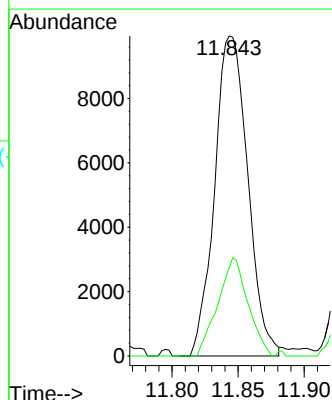
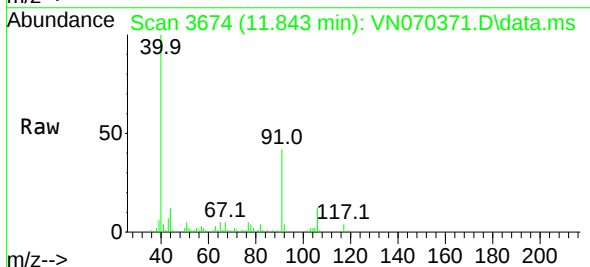
Acq: 30 Dec 2021 2:29

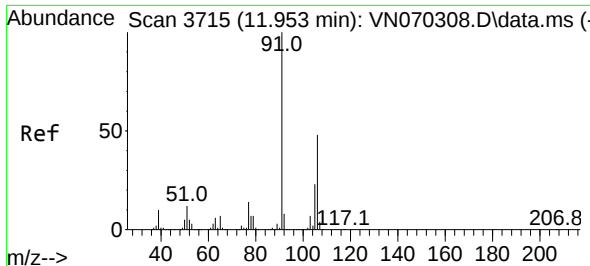
Tgt Ion: 91 Resp: 17338

Ion Ratio Lower Upper

91 100

106 27.6 25.7 38.5

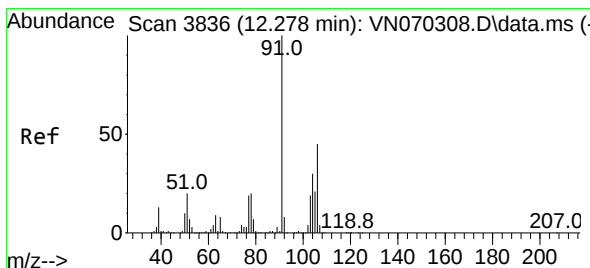
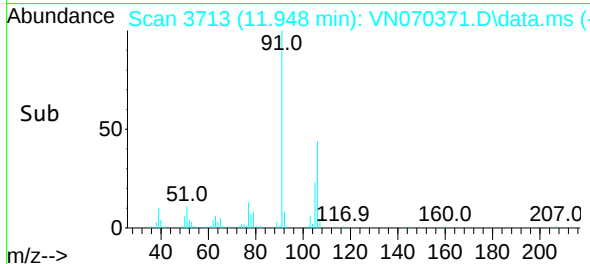
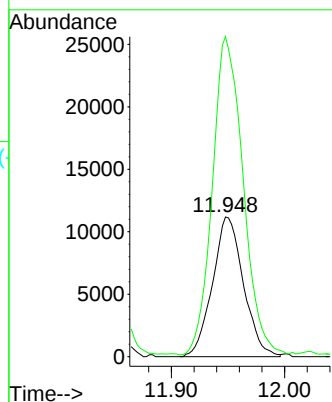
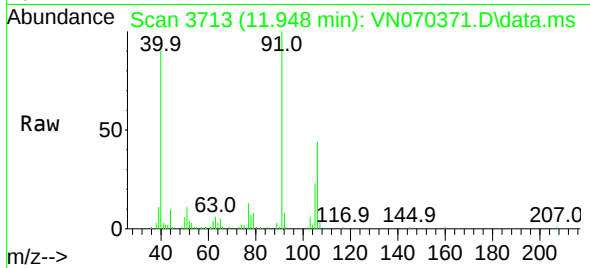




#68
m/p-Xylenes
Concen: 1.286 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

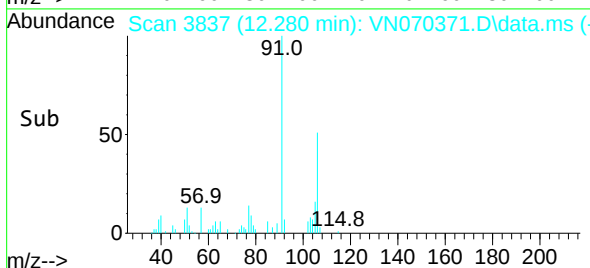
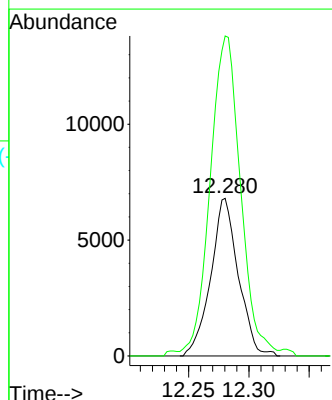
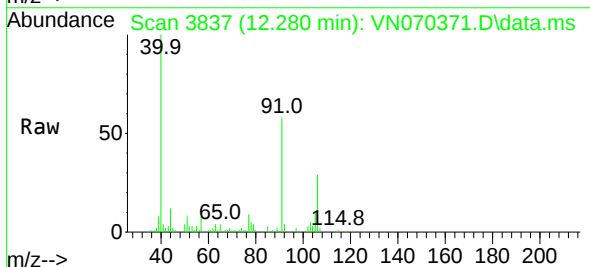
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

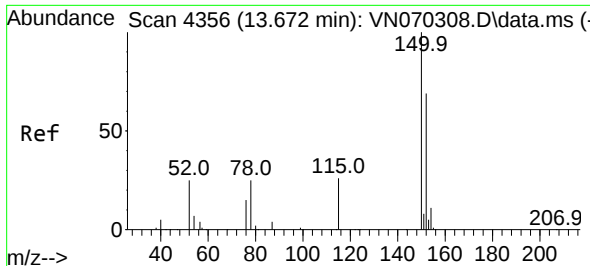
Tgt Ion:106 Resp: 21200
Ion Ratio Lower Upper
106 100
91 225.3 160.6 240.8



#69
o-Xylene
Concen: 0.661 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion:106 Resp: 10836
Ion Ratio Lower Upper
106 100
91 214.1 105.8 317.3

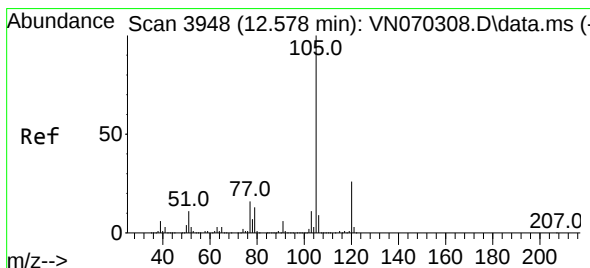
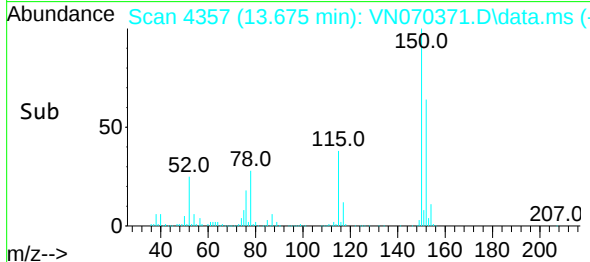
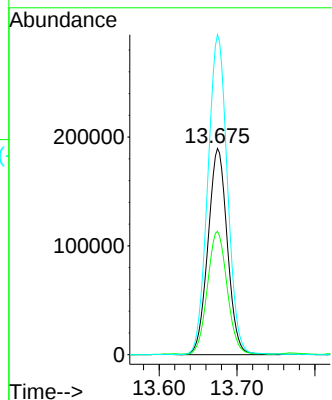
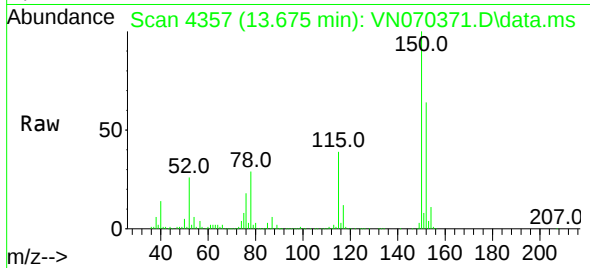




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070371.D
 Acq: 30 Dec 2021 2:29

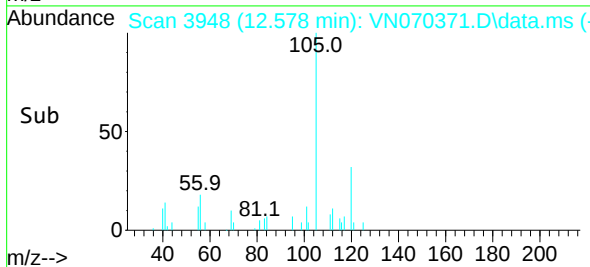
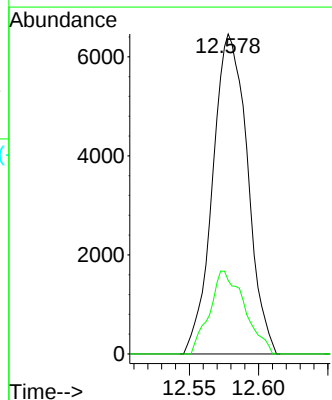
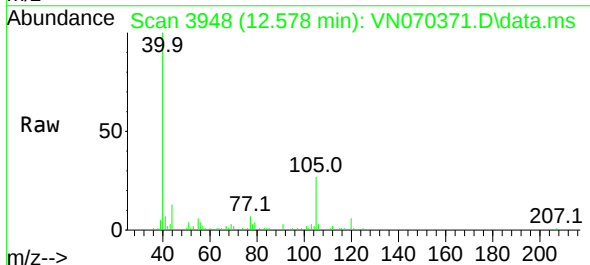
Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

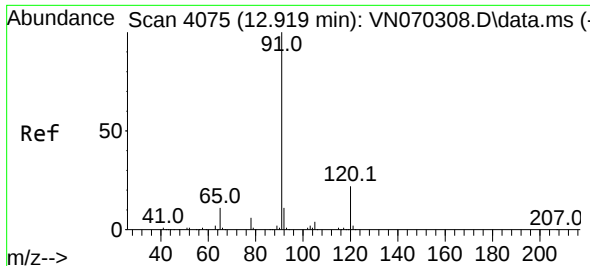
Tgt Ion:152 Resp: 328220
 Ion Ratio Lower Upper
 152 100
 115 60.0 27.5 82.5
 150 156.4 0.0 344.4



#73
 Isopropylbenzene
 Concen: 0.370 ug/l
 RT: 12.578 min Scan# 3948
 Delta R.T. 0.000 min
 Lab File: VN070371.D
 Acq: 30 Dec 2021 2:29

Tgt Ion:105 Resp: 11279
 Ion Ratio Lower Upper
 105 100
 120 26.0 13.4 40.1

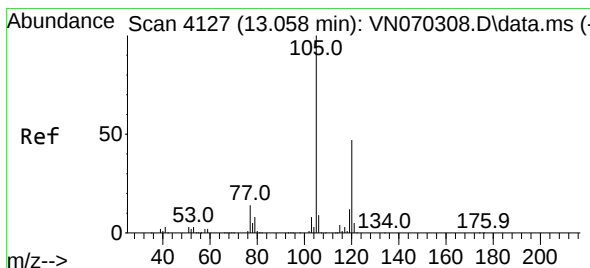
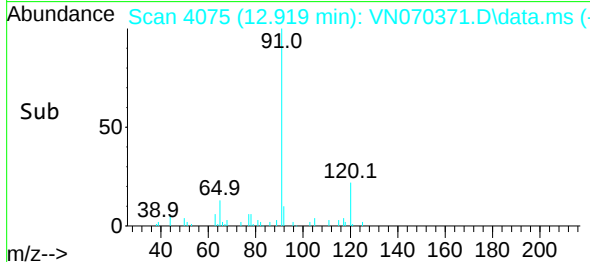
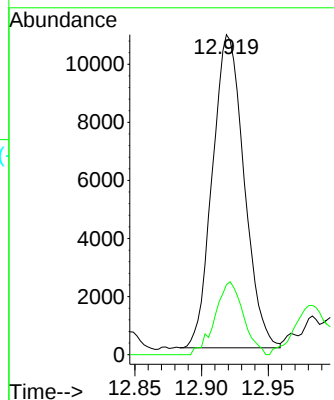
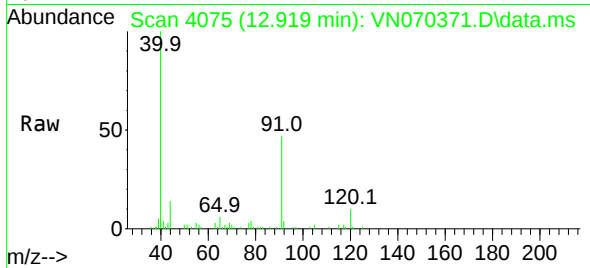




#78
n-propylbenzene
Concen: 0.527 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

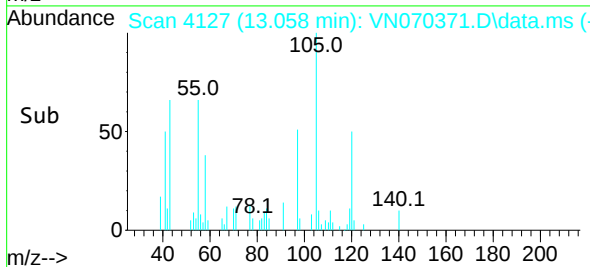
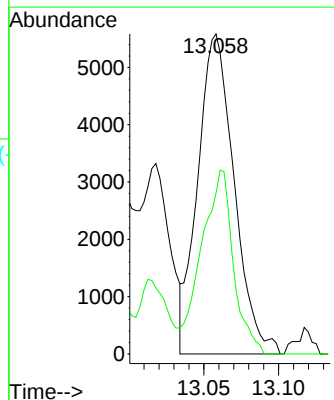
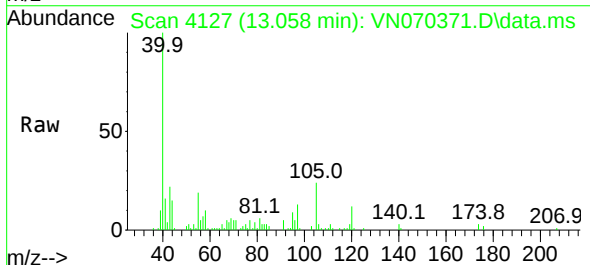
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

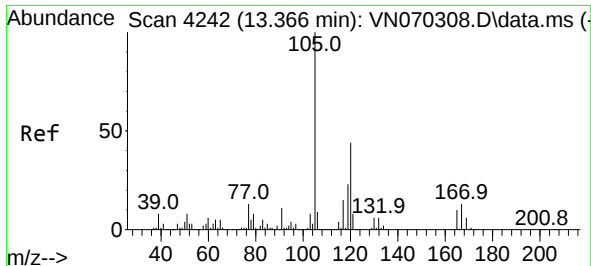
Tgt Ion: 91 Resp: 17786
Ion Ratio Lower Upper
91 100
120 20.7 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.387 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion: 105 Resp: 9441
Ion Ratio Lower Upper
105 100
120 50.3 24.6 73.6

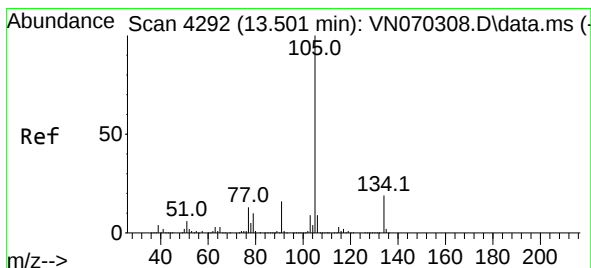
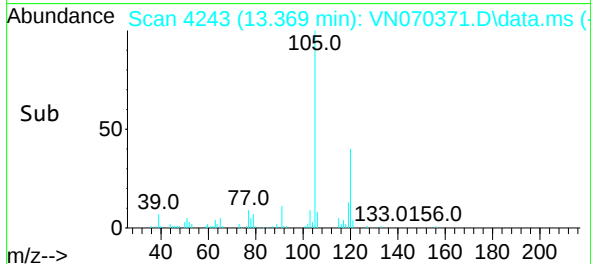
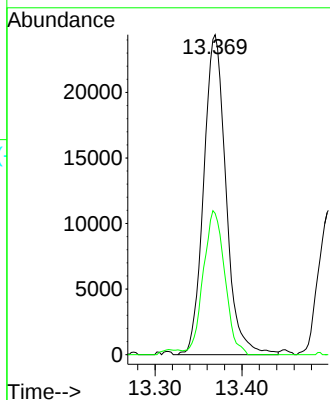
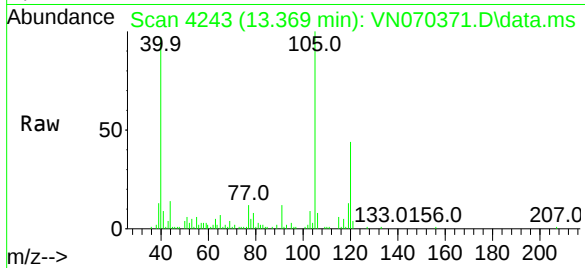




#84
1,2,4-Trimethylbenzene
Concen: 1.845 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

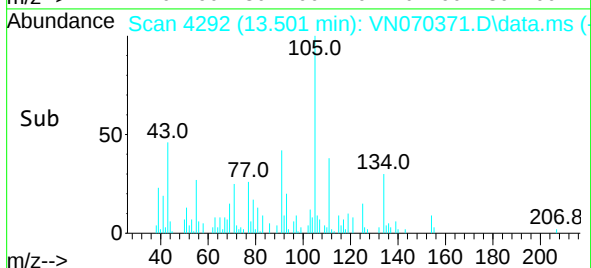
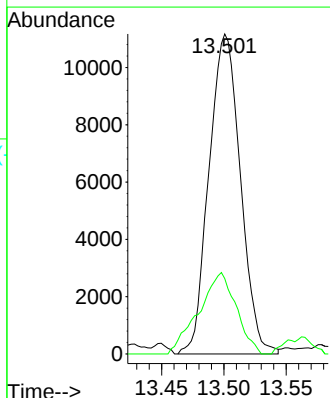
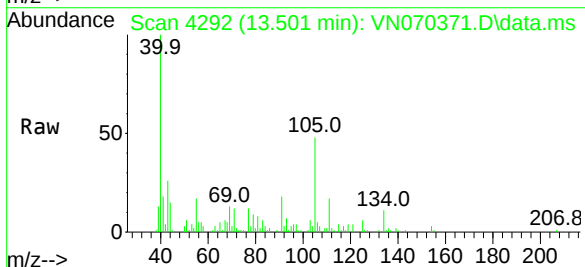
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

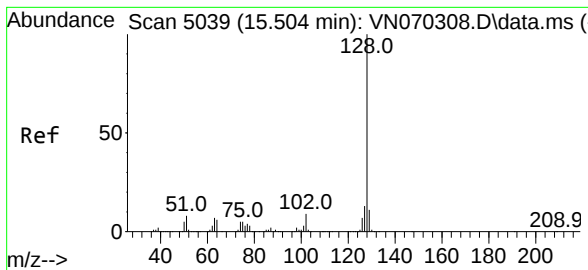
Tgt Ion:105 Resp: 43401
Ion Ratio Lower Upper
105 100
120 43.6 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.000 min
Lab File: VN070371.D
Acq: 30 Dec 2021 2:29

Tgt Ion:105 Resp: 19634
Ion Ratio Lower Upper
105 100
134 30.2 10.4 31.1





#95
 Naphthalene
 Concen: 91.896 ug/l
 RT: 15.504 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VN070371.D
 Acq: 30 Dec 2021 2:29

Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

Tgt Ion:128 Resp: 1397619
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.5 15.7
 129 10.6 8.7 13.1

