

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061605.D
 Acq On : 1 Jun 2020 19:16
 Operator : JC/MD
 Sample : L2822-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C0AP8

Quant Time: Jun 02 15:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	354615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	595105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	615306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	340243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	189555	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	
35) Dibromofluoromethane	7.55	113	157536	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.06	98	715202	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.37	95	313535	61.43	ug/l	0.00
Spiked Amount			Recovery	=	122.86%	

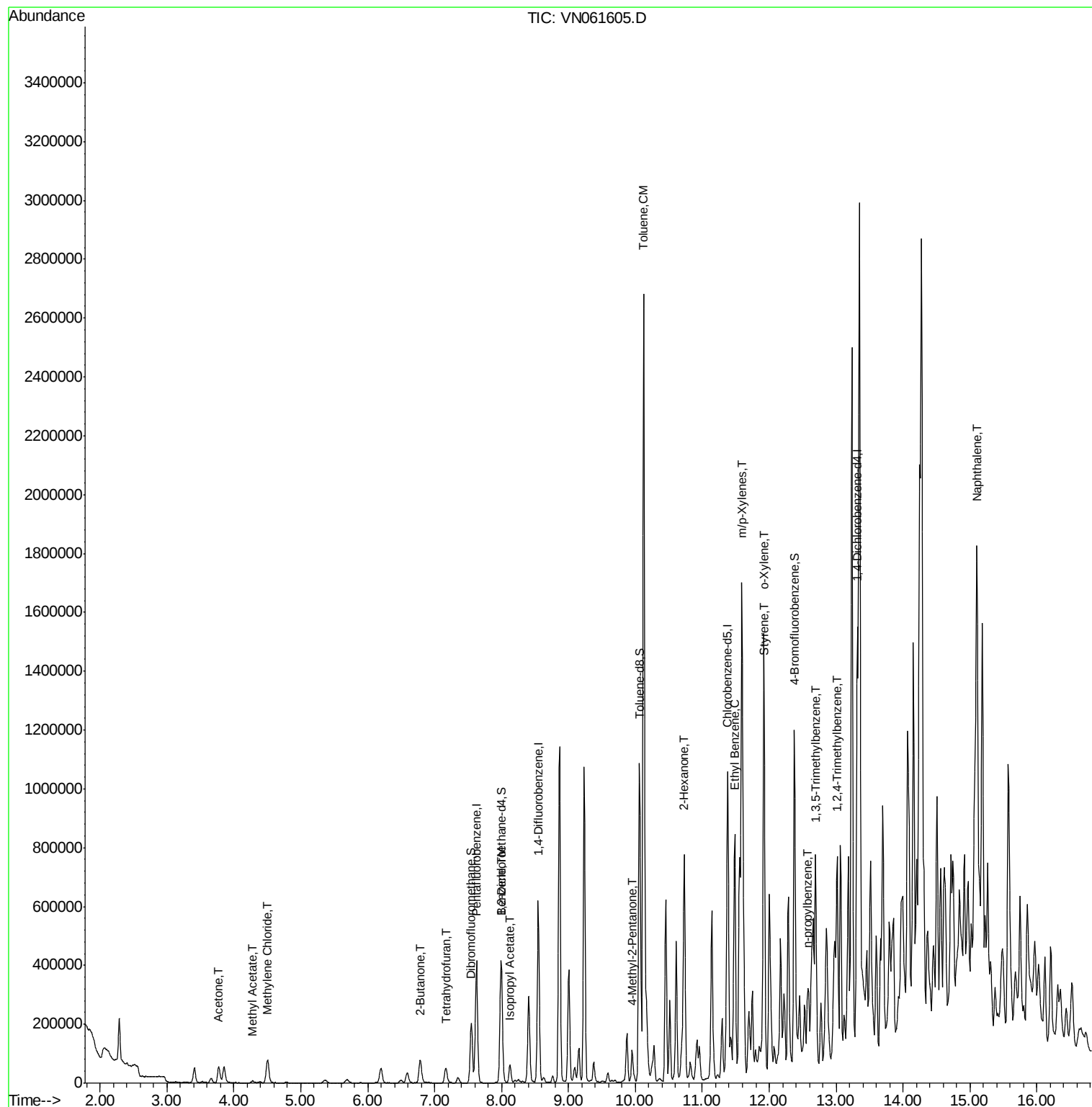
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	88821	71.861	ug/l	95
18) Methyl Acetate	4.28	43	13613	3.559	ug/l	98
20) Methylene Chloride	4.50	84	64524	15.606	ug/l	96
25) 2-Butanone	6.78	43	133325	66.584	ug/l	99
29) Tetrahydrofuran	7.17	42	39939	30.248	ug/l	96
40) Benzene	8.00	78	278795	17.151	ug/l	100
43) Isopropyl Acetate	8.13	43	66185	8.670	ug/l #	92
51) 4-Methyl-2-Pentanone	9.95	43	64659	15.030	ug/l	97
52) Toluene	10.12	92	1263959	119.136	ug/l	98
59) 2-Hexanone	10.72	43	407920	132.032	ug/l	83
67) Ethyl Benzene	11.48	91	552087	24.974	ug/l	99
68) m/p-Xylenes	11.59	106	511573	58.364	ug/l	99
69) o-Xylene	11.92	106	347531	41.745	ug/l	100
70) Styrene	11.94	104	74797	5.425	ug/l #	35
78) n-propylbenzene	12.56	91	70917	2.558	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	77846	3.751	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	304849	14.784	ug/l	98
95) Naphthalene	15.10	128	635163	33.263	ug/l	98

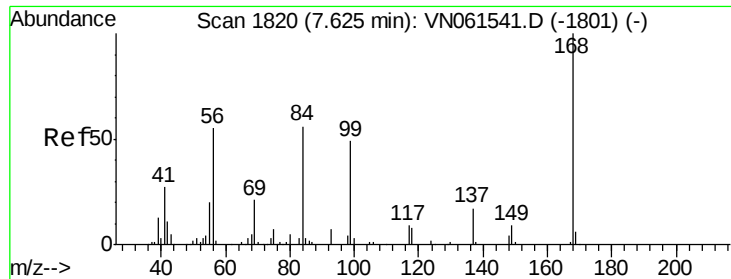
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061605.D

Acq: 1 Jun 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

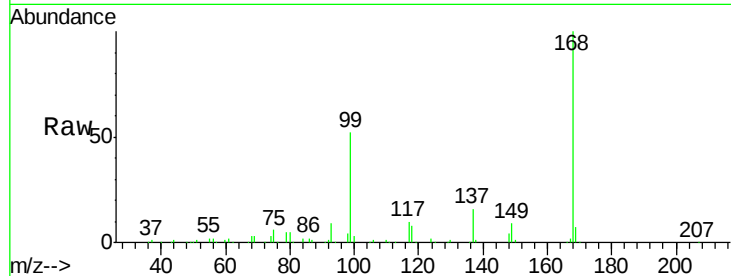
C0AP8

Tot Ion:168 Resp: 354615

Ion Ratio Lower Upper

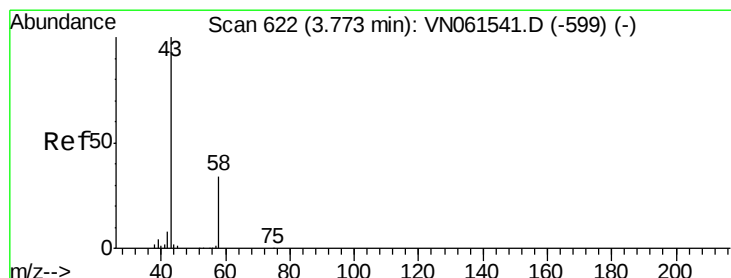
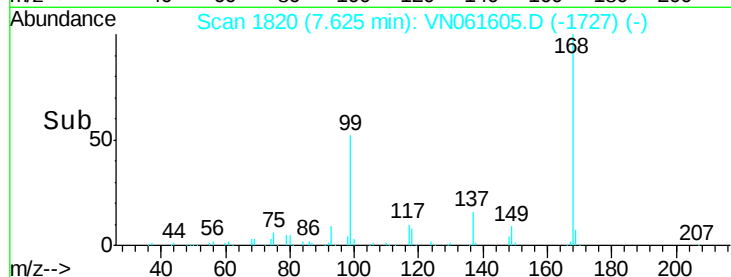
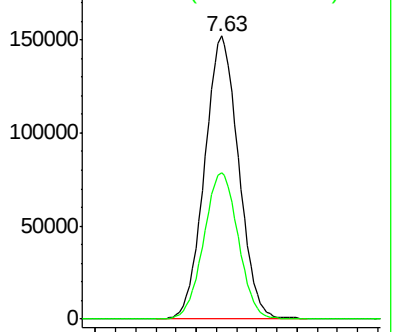
168 100

99 51.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 71.861 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061605.D

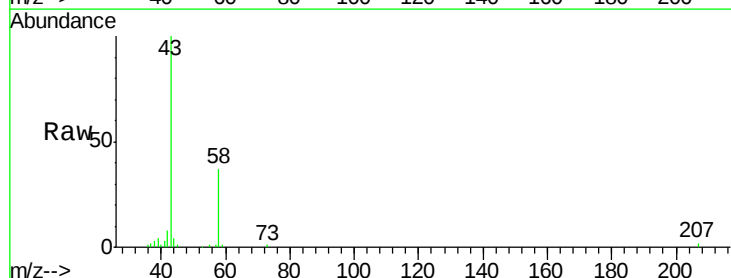
Acq: 1 Jun 2020 19:16

Tgt Ion: 43 Resp: 88821

Ion Ratio Lower Upper

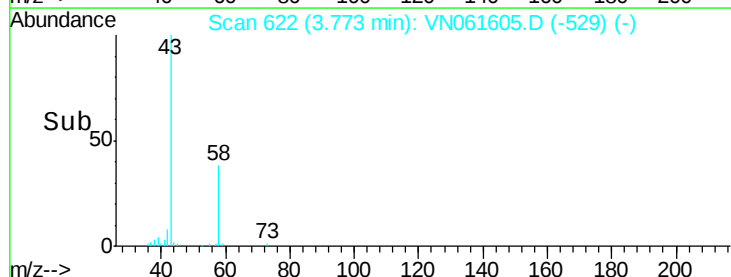
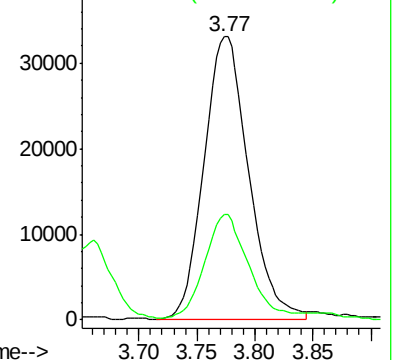
43 100

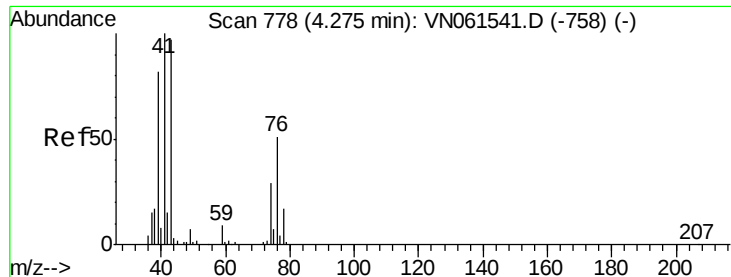
58 36.6 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

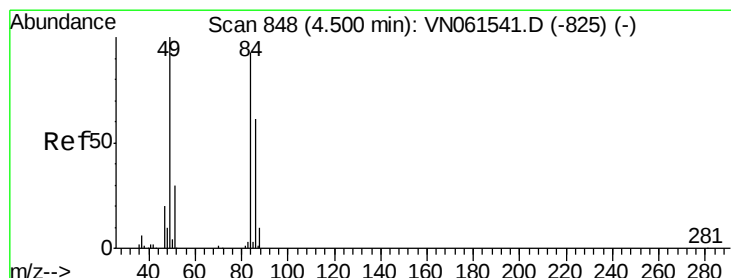
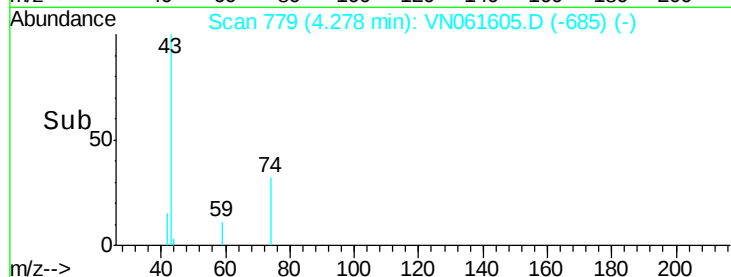
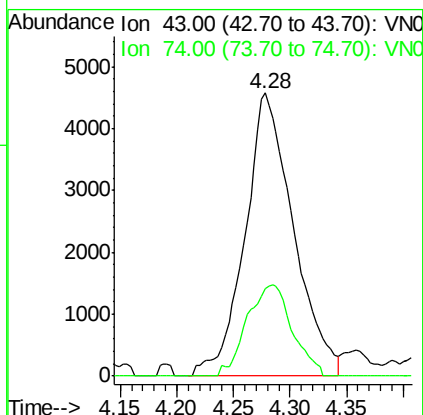
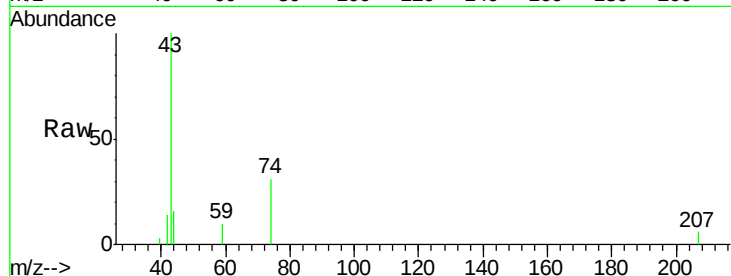




#18
Methyl Acetate
Concen: 3.559 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

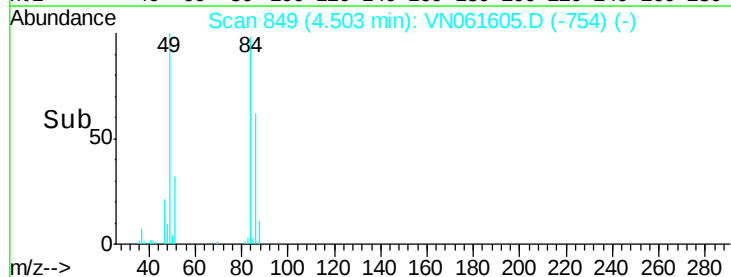
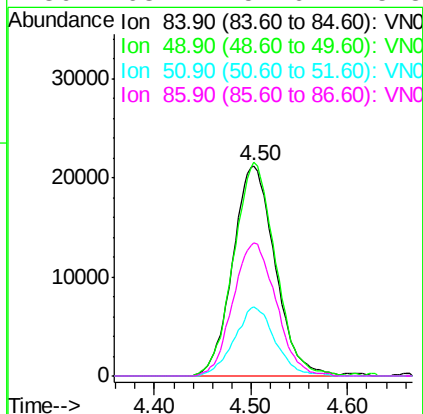
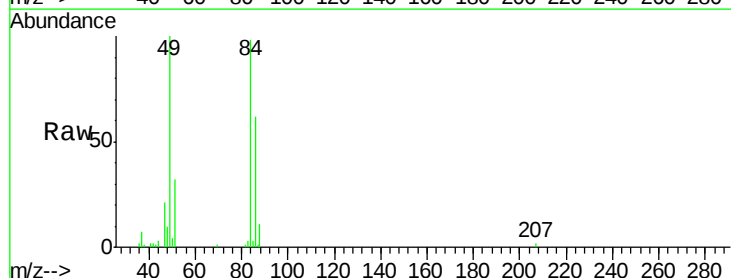
Instrument :
MSVOA_N
ClientSampled :
C0AP8

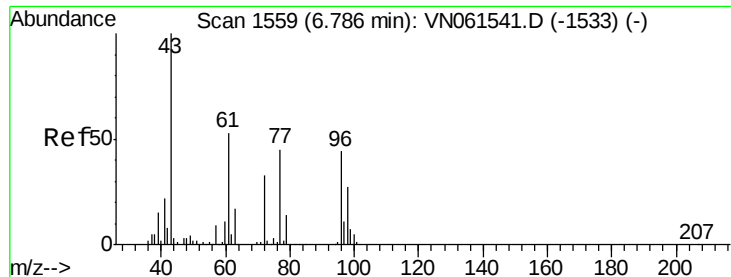
Tot Ion: 43 Resp: 13613
Ion Ratio Lower Upper
43 100
74 30.1 23.2 34.8



#20
Methylene Chloride
Concen: 15.606 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion: 84 Resp: 64524
Ion Ratio Lower Upper
84 100
49 101.7 85.8 128.8
51 32.7 26.2 39.2
86 63.4 52.6 78.8





#25

2-Butanone

Concen: 66.584 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061605.D

Acq: 1 Jun 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

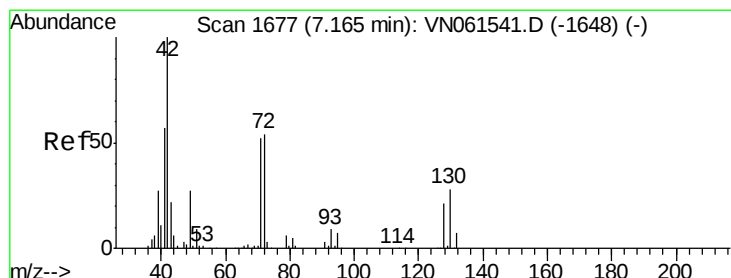
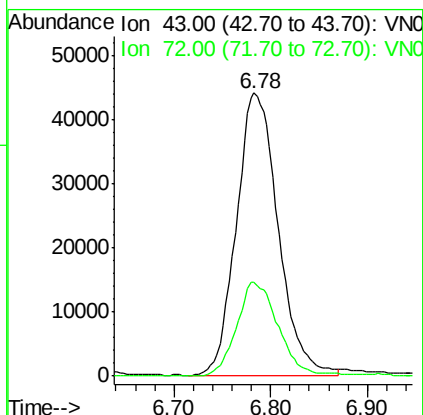
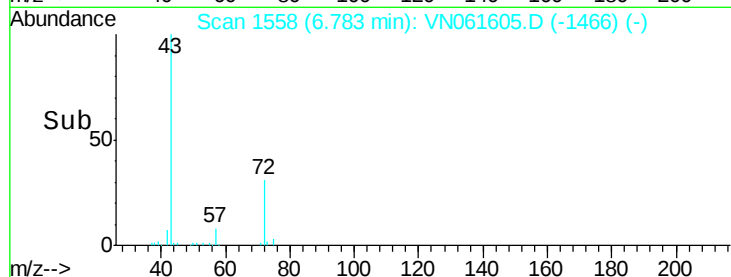
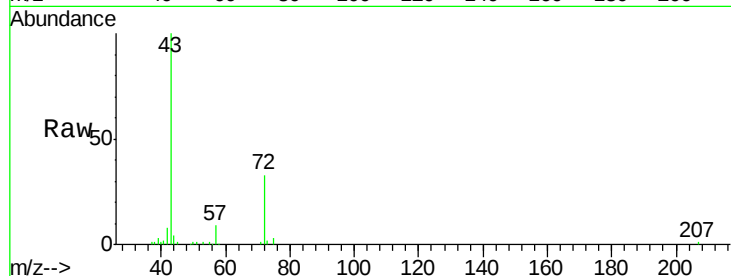
C0AP8

Tot Ion: 43 Resp: 133325

Ion Ratio Lower Upper

43 100

72 33.2 26.0 39.0



#29

Tetrahydrofuran

Concen: 30.248 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061605.D

Acq: 1 Jun 2020 19:16

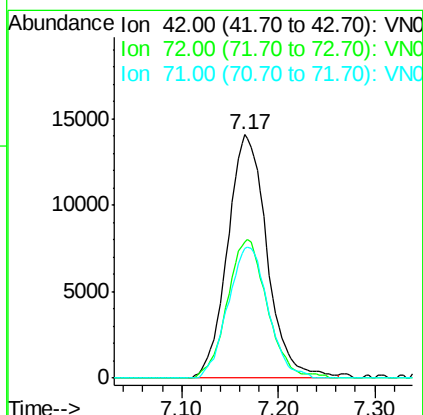
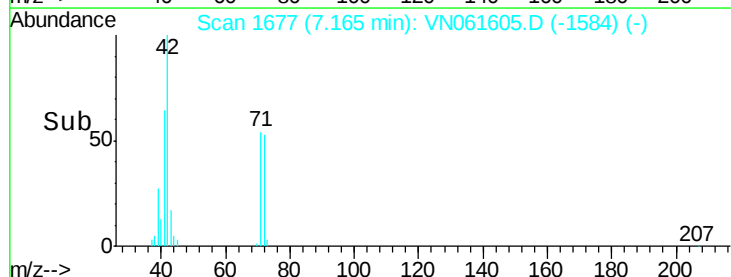
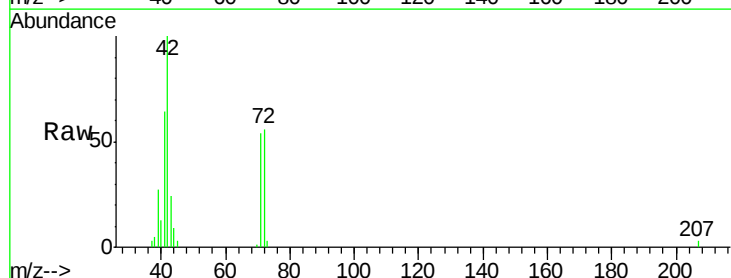
Tgt Ion: 42 Resp: 39939

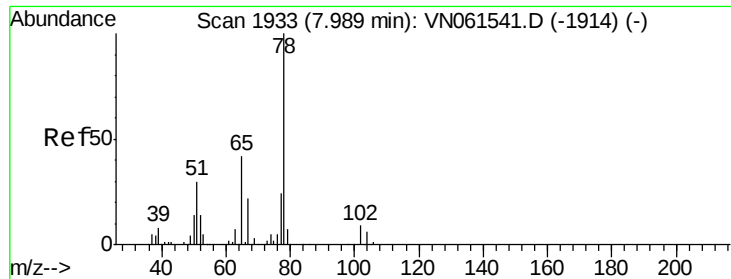
Ion Ratio Lower Upper

42 100

72 56.9 43.6 65.4

71 54.7 41.2 61.8

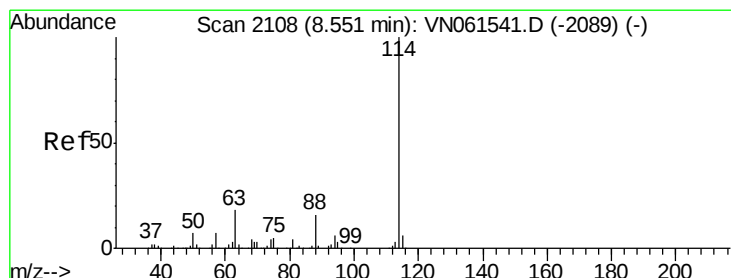
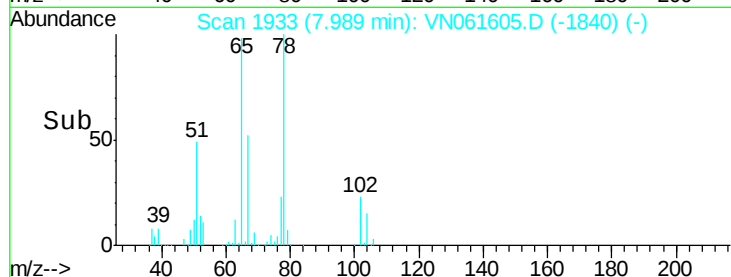
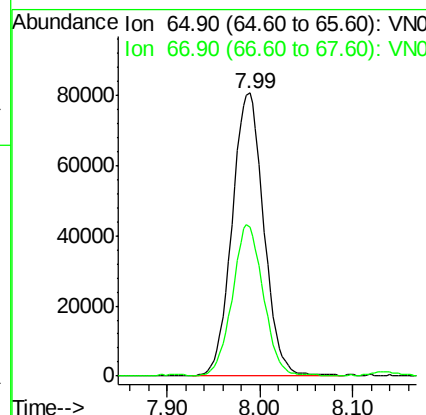
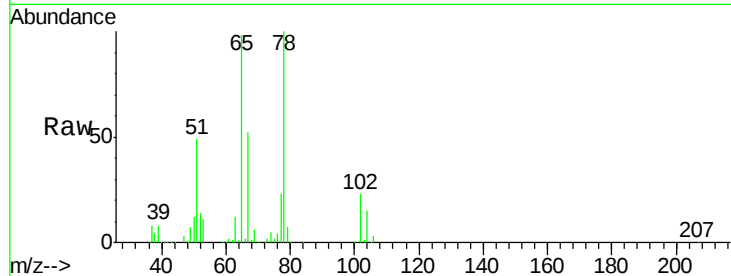




#33
 1,2-Dichloroethane-d4
 Concen: 44.865 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

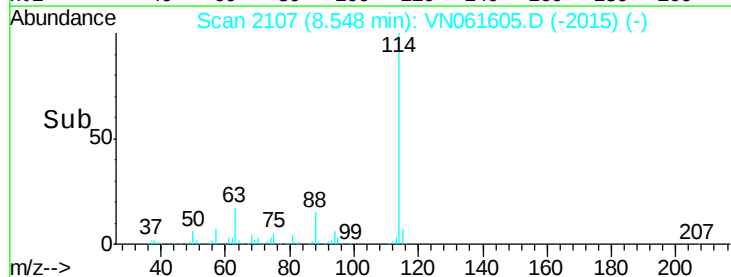
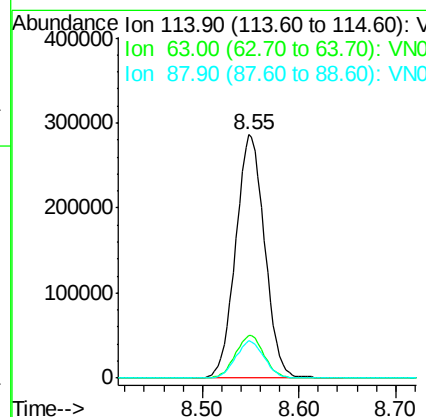
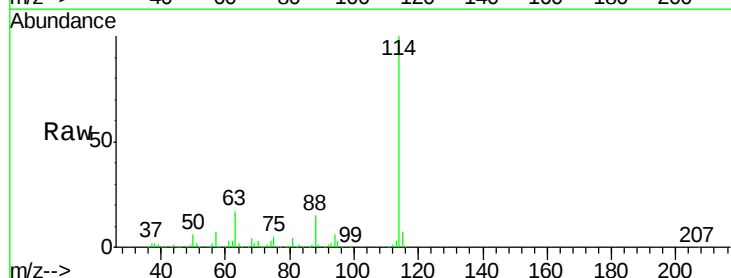
Instrument :
 MSVOA_N
 ClientSampled :
 C0AP8

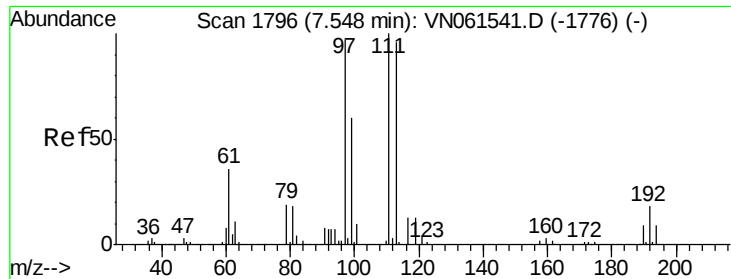
Tot Ion: 65 Resp: 189555
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

Tgt Ion: 114 Resp: 595105
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.8
 88 15.3 0.0 31.0

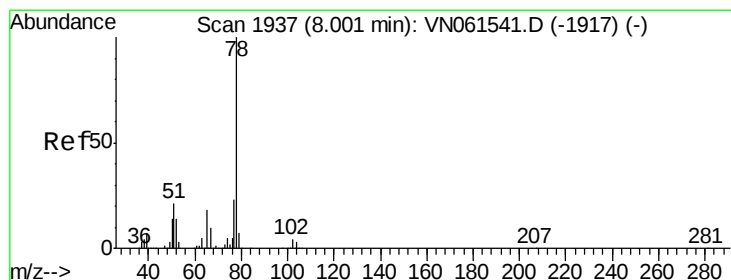
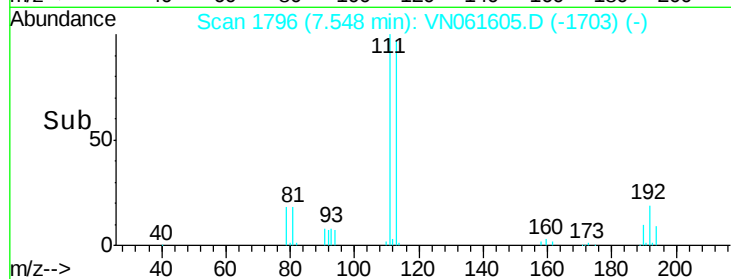
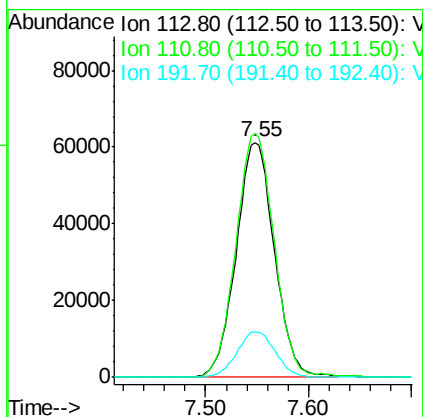
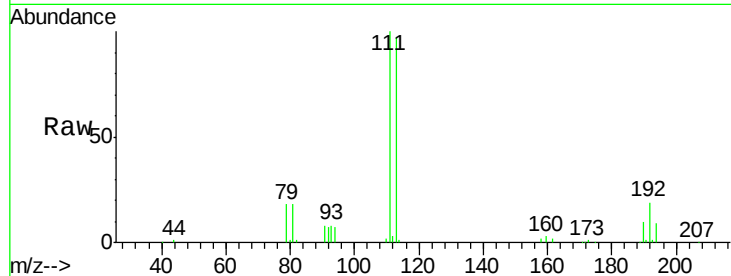




#35
 Dibromofluoromethane
 Concen: 52.184 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

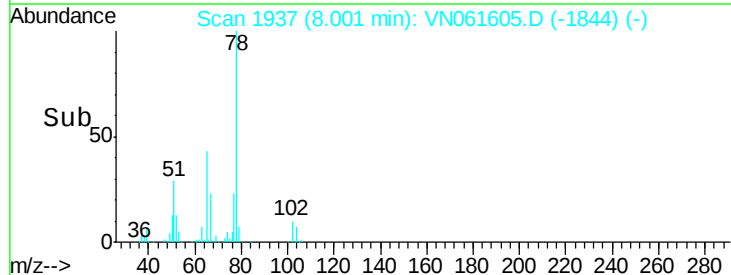
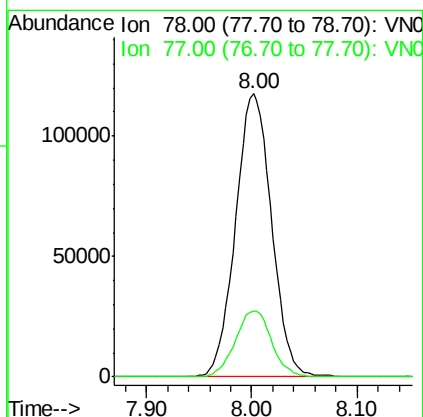
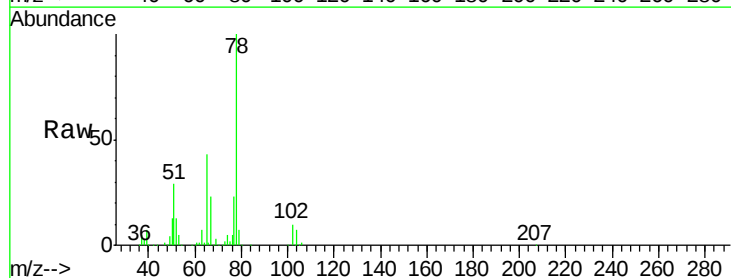
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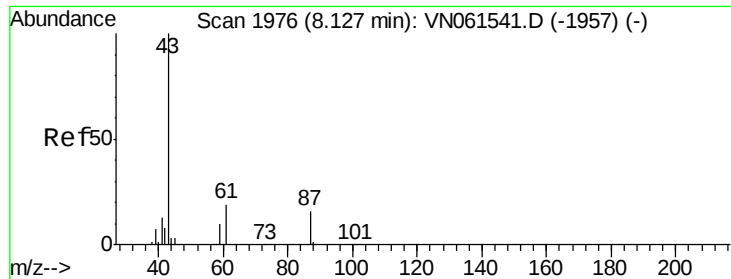
Tot Ion:113 Resp: 157536
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.0
 192 19.6 15.4 23.2



#40
 Benzene
 Concen: 17.151 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

Tgt Ion: 78 Resp: 278795
 Ion Ratio Lower Upper
 78 100
 77 23.3 18.6 28.0





#43

Isopropyl Acetate

Concen: 8.670 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061605.D

Acq: 1 Jun 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

C0AP8

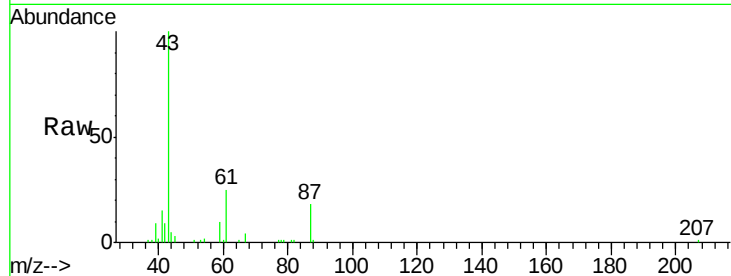
Tot Ion: 43 Resp: 66185

Ion Ratio Lower Upper

43 100

61 23.2 23.6 35.4#

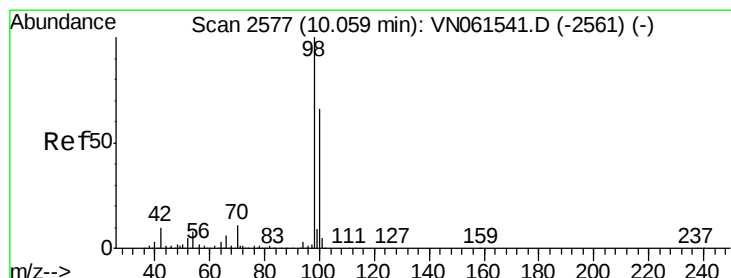
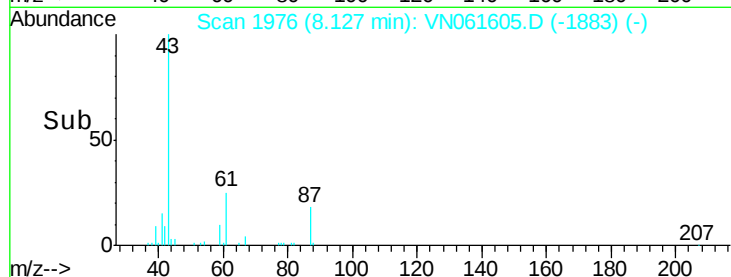
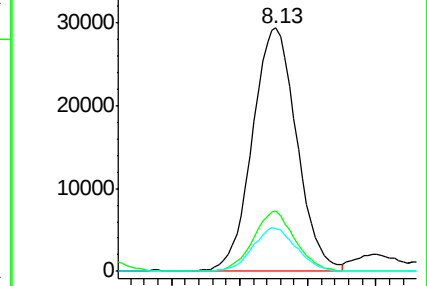
87 17.5 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)



#50

Toluene-d8

Concen: 51.123 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061605.D

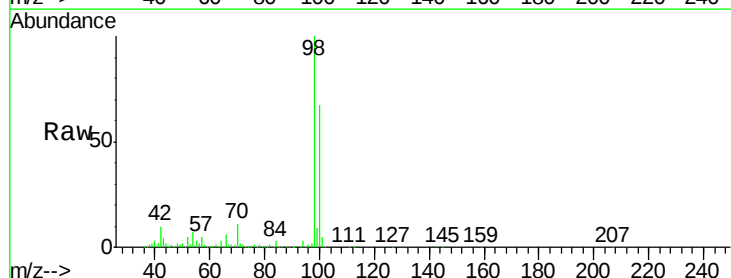
Acq: 1 Jun 2020 19:16

Tgt Ion: 98 Resp: 715202

Ion Ratio Lower Upper

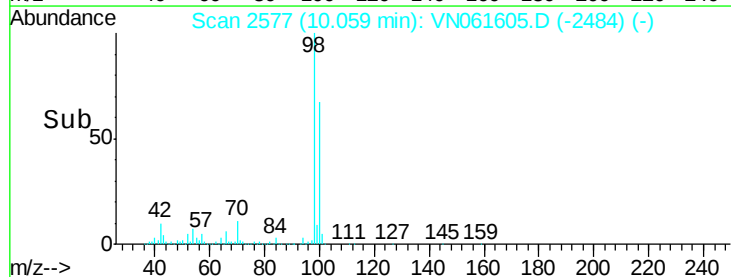
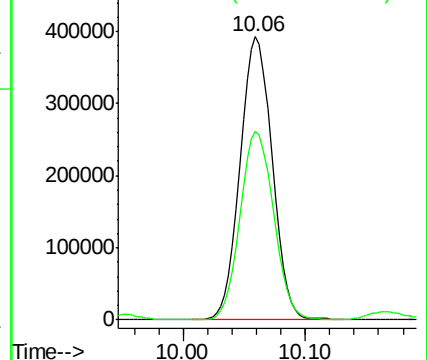
98 100

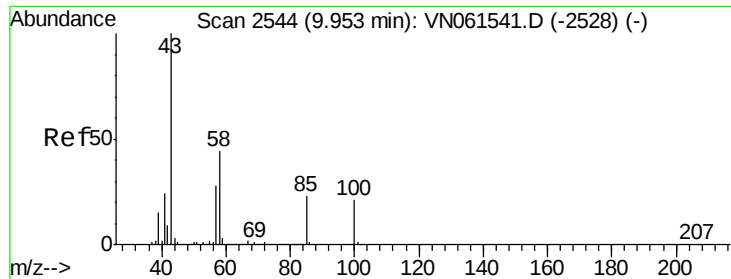
100 69.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

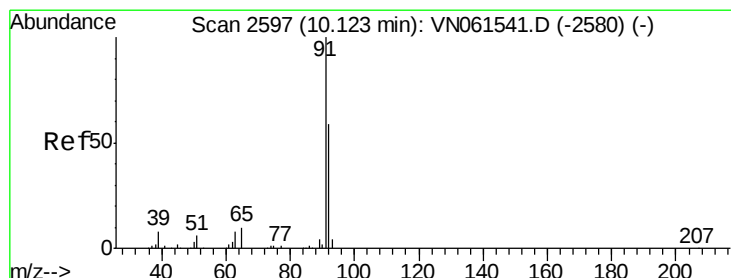
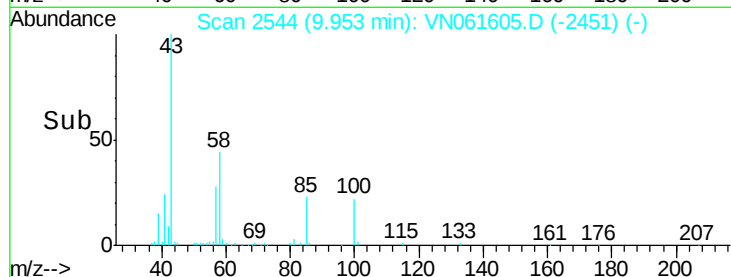
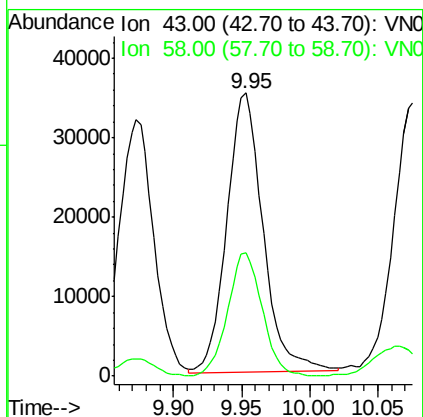
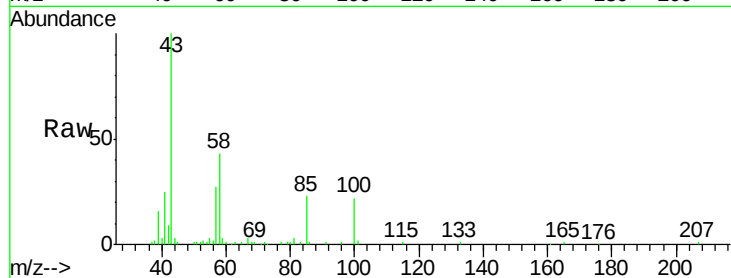




#51
4-Methyl-2-Pentanone
Concen: 15.030 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

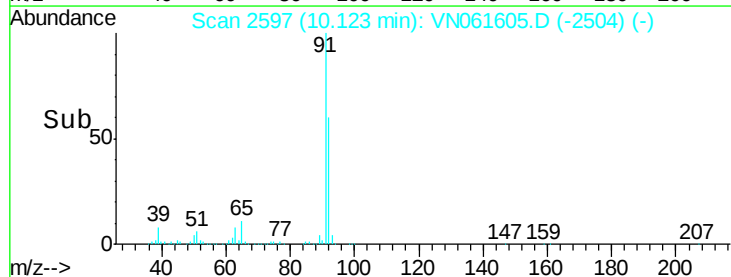
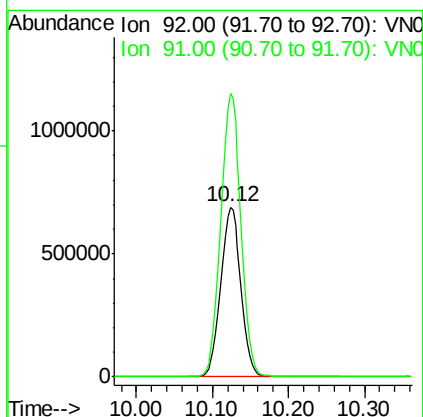
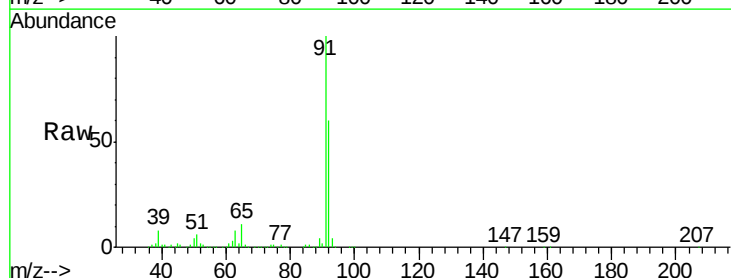
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MSVOA_N
ClientSampleId :
C0AP8

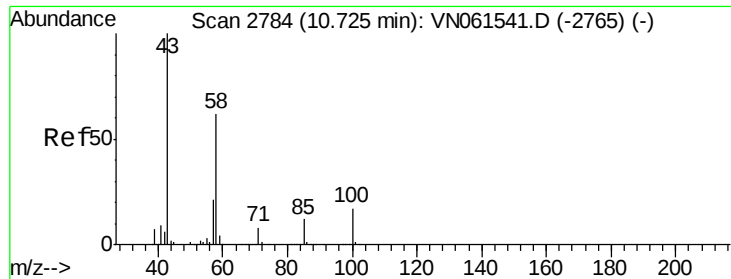
Tot Ion: 43 Resp: 64659
Ion Ratio Lower Upper
43 100
58 42.1 35.0 52.6



#52
Toluene
Concen: 119.136 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion: 92 Resp: 1263959
Ion Ratio Lower Upper
92 100
91 168.0 136.4 204.6

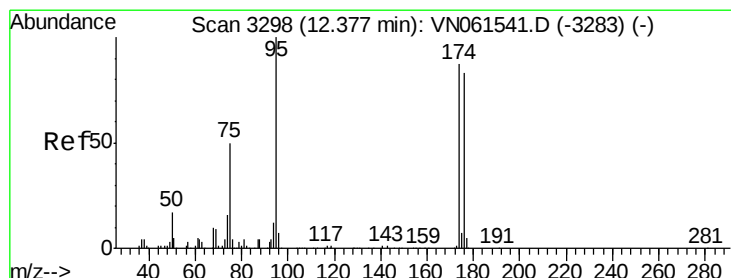
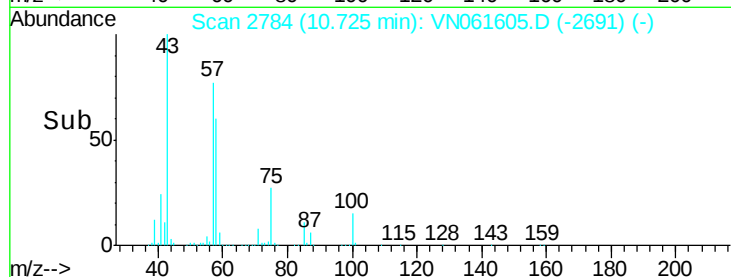
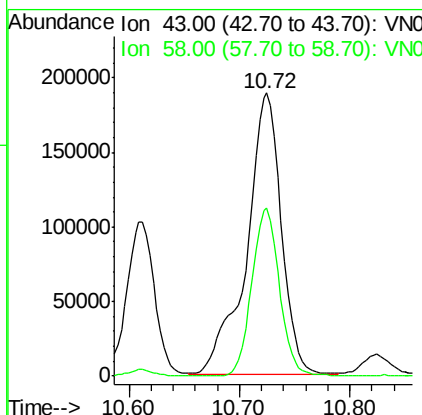
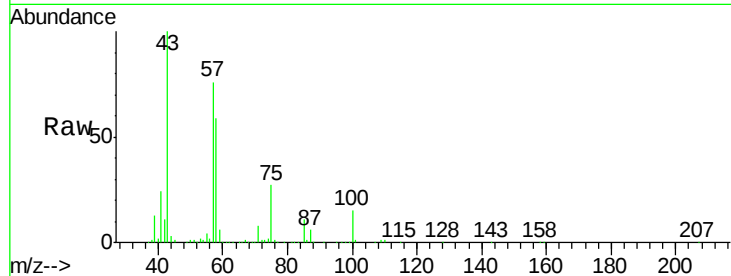




#59
2-Hexanone
Concen: 132.032 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

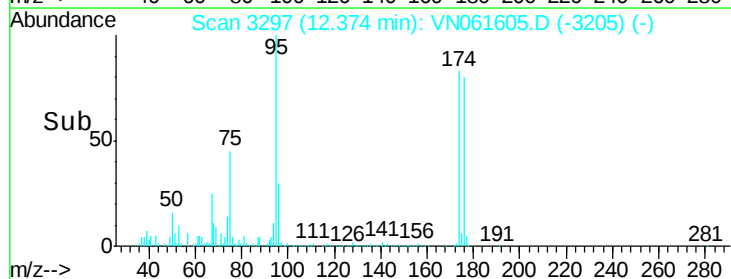
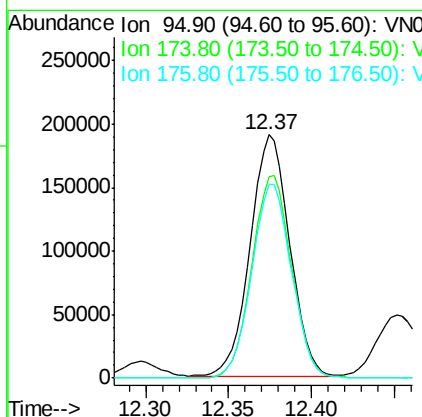
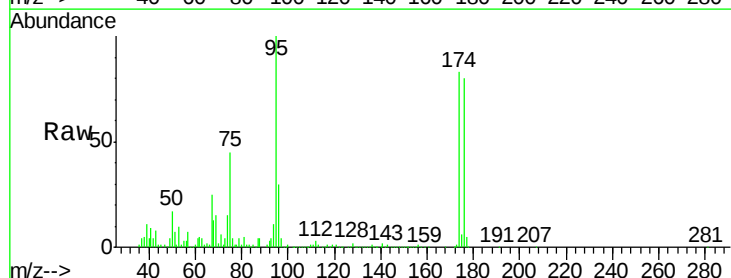
Instrument :
MSVOA_N
ClientSampled :
C0AP8

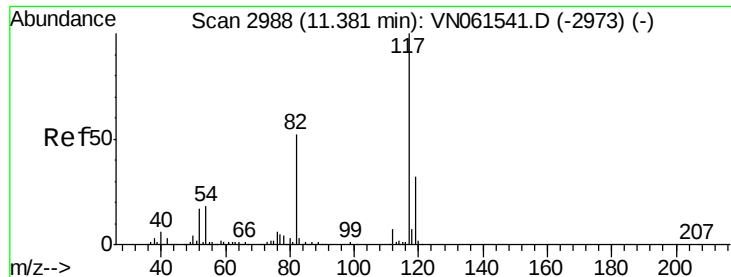
Tot Ion: 43 Resp: 407920
Ion Ratio Lower Upper
43 100
58 48.1 30.7 92.1



#62
4-Bromofluorobenzene
Concen: 61.430 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion: 95 Resp: 313535
Ion Ratio Lower Upper
95 100
174 85.1 0.0 172.8
176 81.5 0.0 164.8

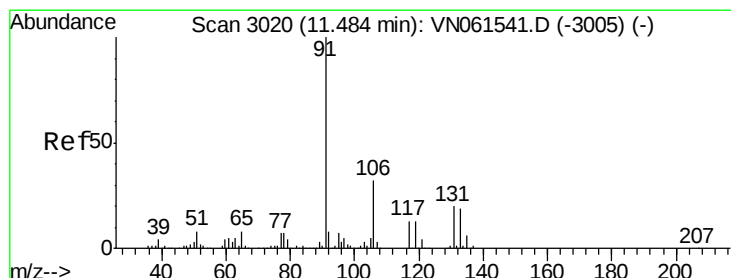
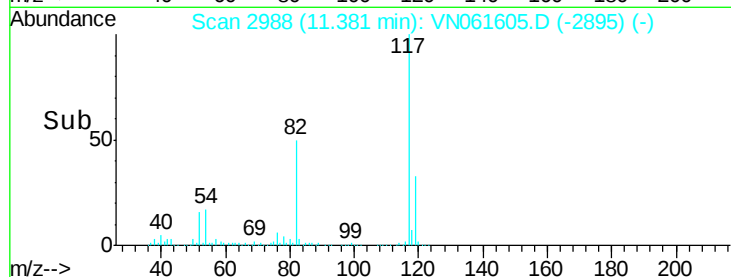
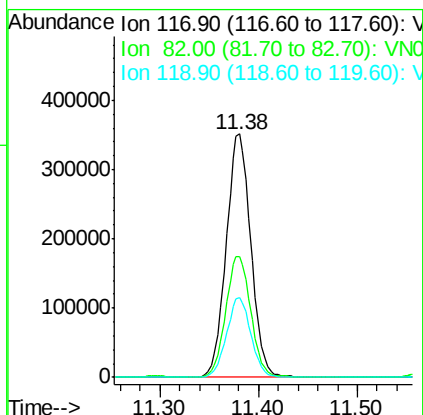
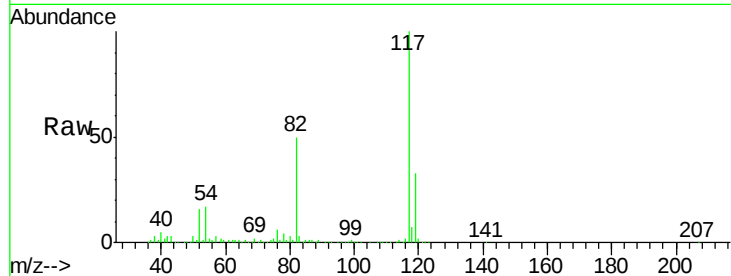




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

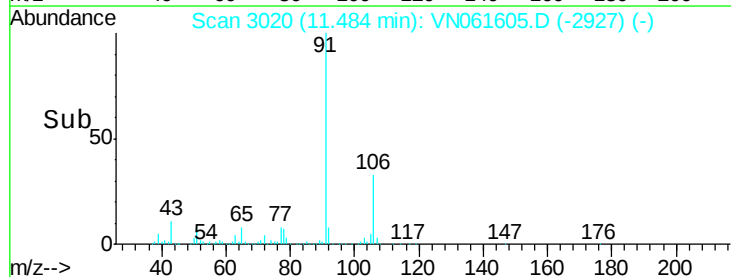
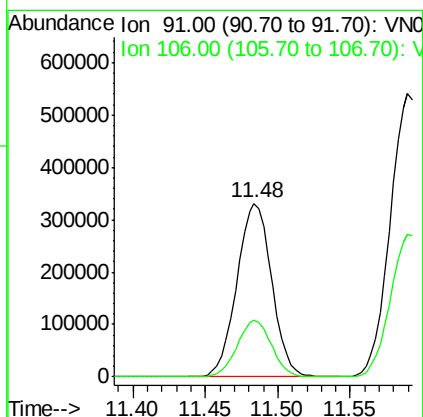
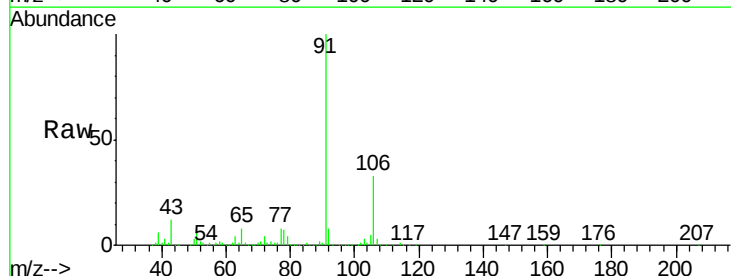
Instrument :
MSVOA_N
ClientSampled :
C0AP8

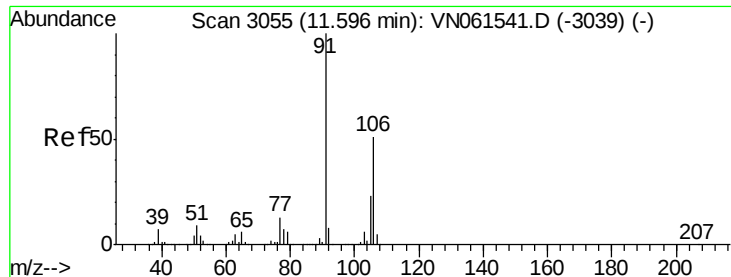
Tot Ion:117 Resp: 615306
Ion Ratio Lower Upper
117 100
82 49.7 41.5 62.3
119 32.8 25.6 38.4



#67
Ethyl Benzene
Concen: 24.974 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion: 91 Resp: 552087
Ion Ratio Lower Upper
91 100
106 32.6 25.6 38.4

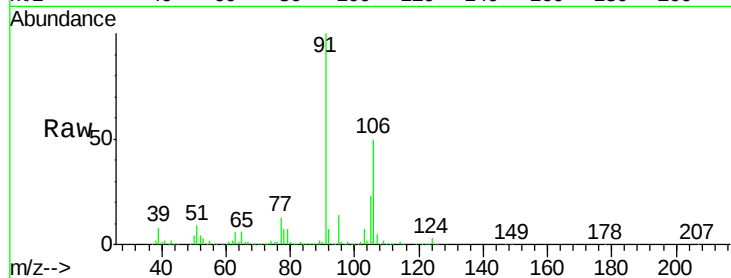




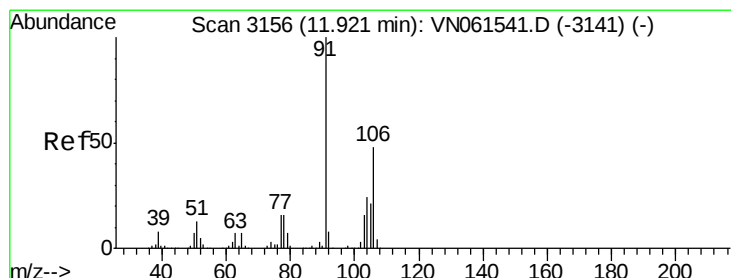
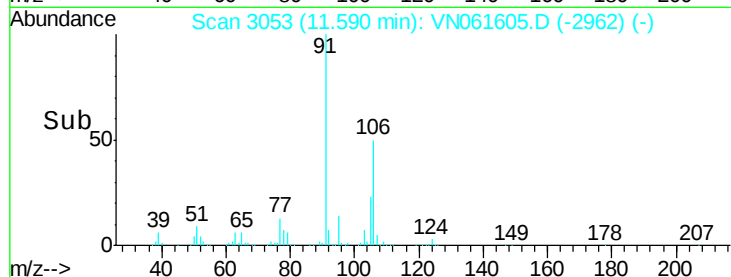
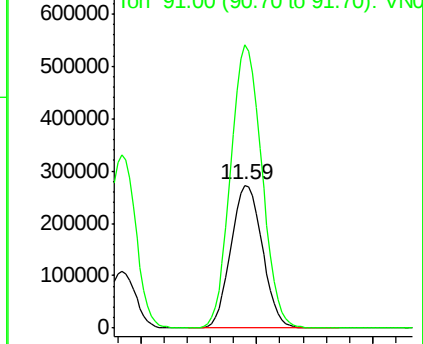
#68
m/p-Xylenes
Concen: 58.364 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Instrument :
MSVOA_N
ClientSampled :
C0AP8

Tot Ion:106 Resp: 511573
Ion Ratio Lower Upper
106 100
91 196.2 156.2 234.4

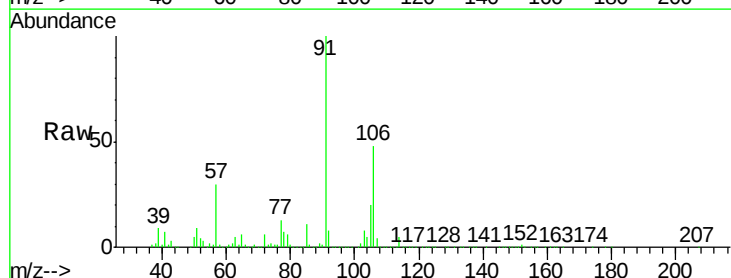


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

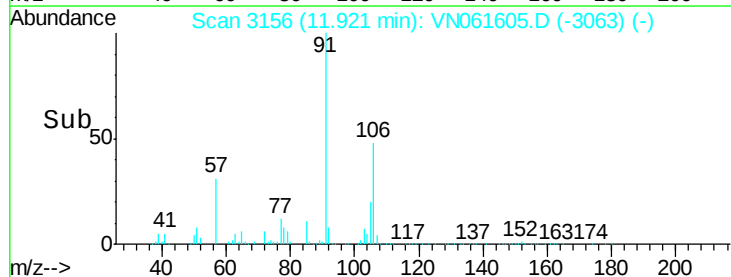
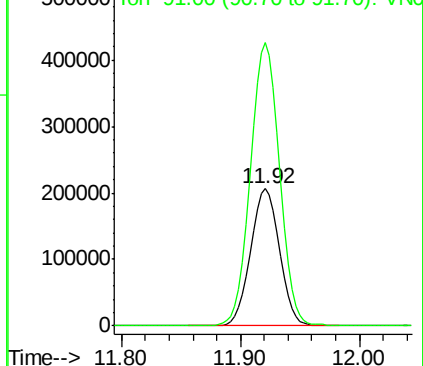


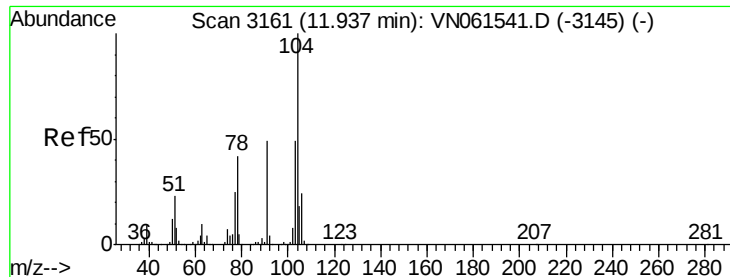
#69
o-Xylene
Concen: 41.745 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion:106 Resp: 347531
Ion Ratio Lower Upper
106 100
91 206.3 103.3 309.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

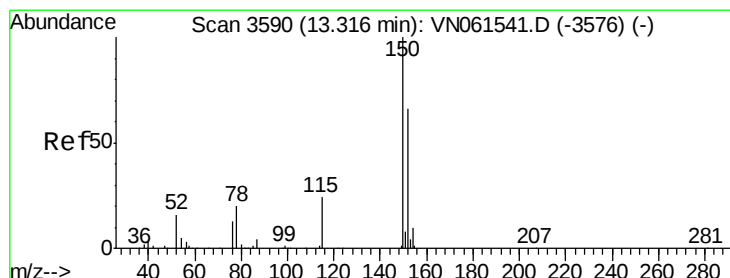
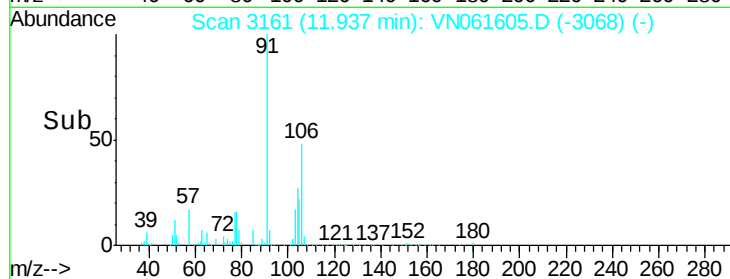
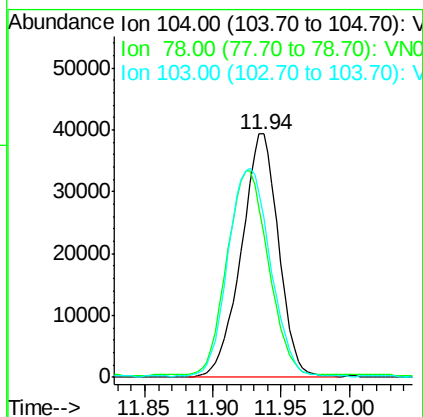
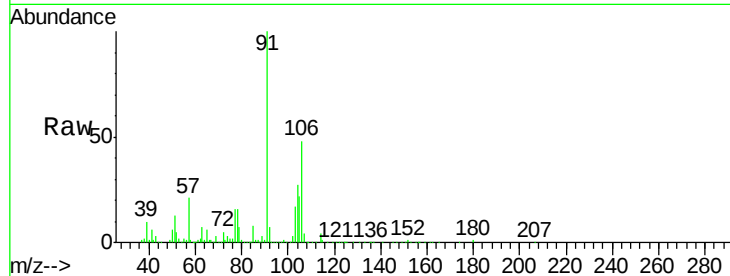




#70
Stvrene
Concen: 5.425 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

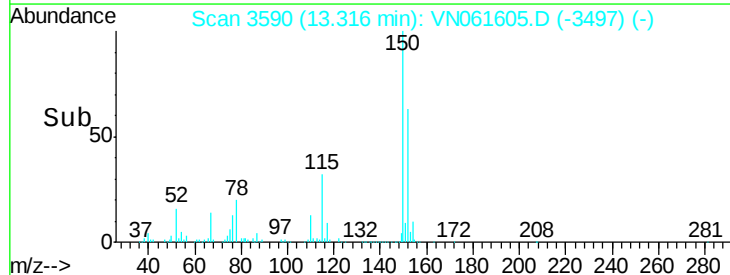
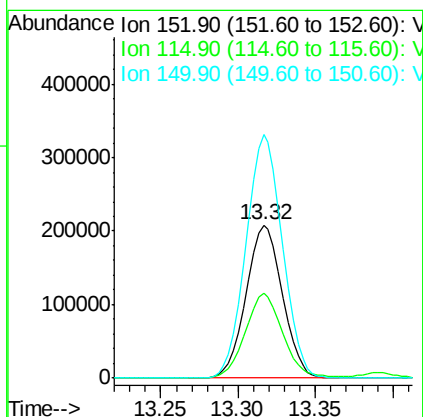
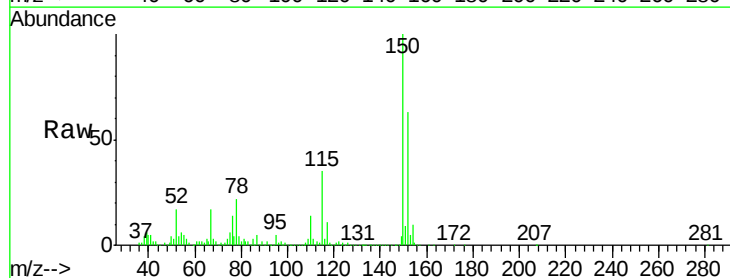
Instrument :
MSVOA_N
ClientSampled :
C0AP8

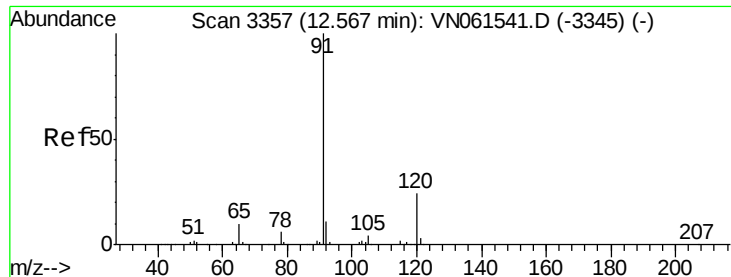
Tot Ion:104 Resp: 74797
Ion Ratio Lower Upper
104 100
78 92.2 37.4 56.0#
103 96.8 42.3 63.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061605.D
Acq: 1 Jun 2020 19:16

Tgt Ion:152 Resp: 340243
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 159.3 0.0 344.0





#78

n-propylbenzene

Concen: 2.558 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061605.D

Acq: 1 Jun 2020 19:16

Instrument :

MSVOA_N

ClientSampled :

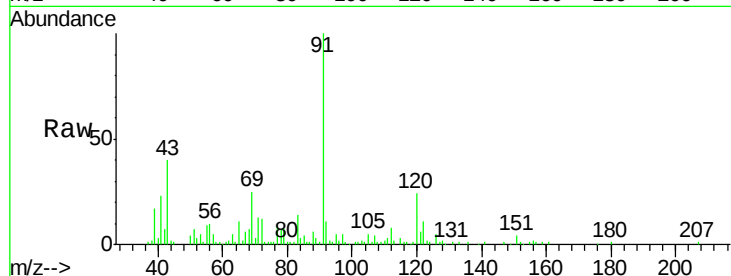
C0AP8

Tot Ion: 91 Resp: 70917

Ion Ratio Lower Upper

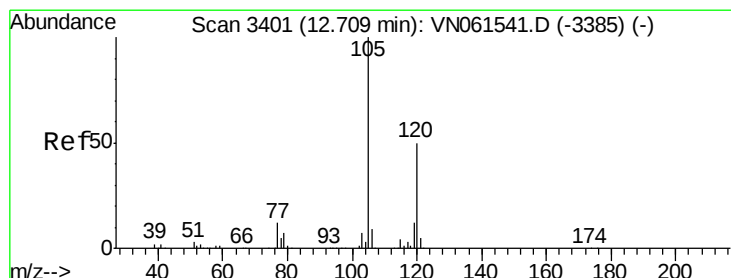
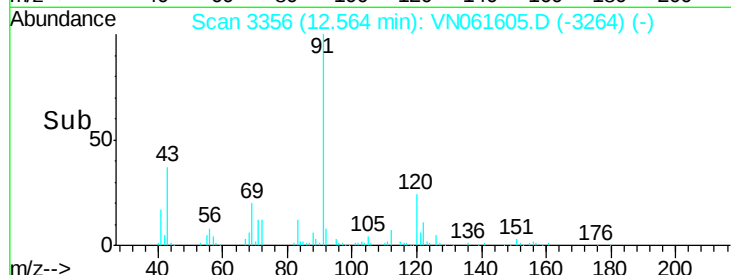
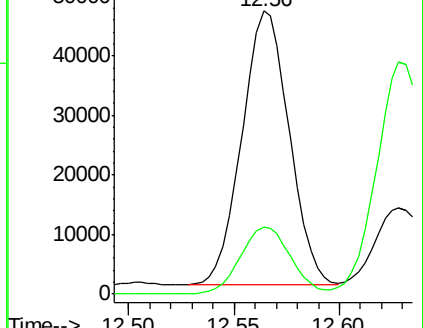
91 100

120 26.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN061605.D (-3356) (-)

Ion 120.00 (119.70 to 120.70): VN061605.D (-3356) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.751 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061605.D

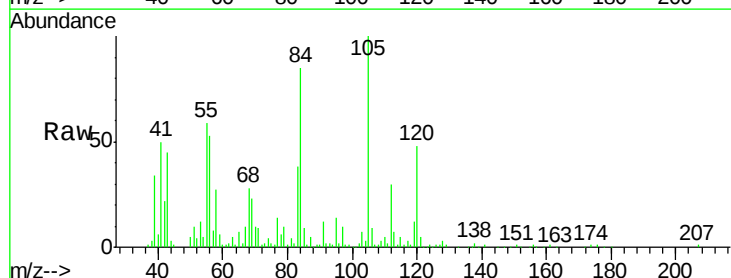
Acq: 1 Jun 2020 19:16

Tgt Ion:105 Resp: 77846

Ion Ratio Lower Upper

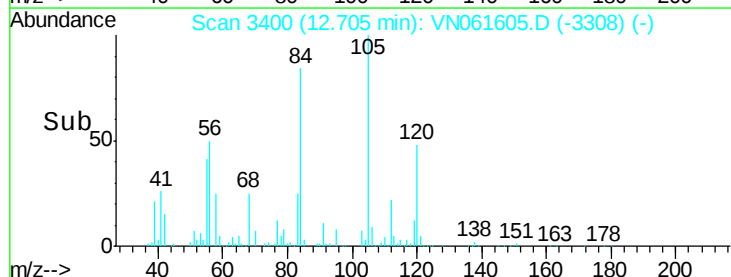
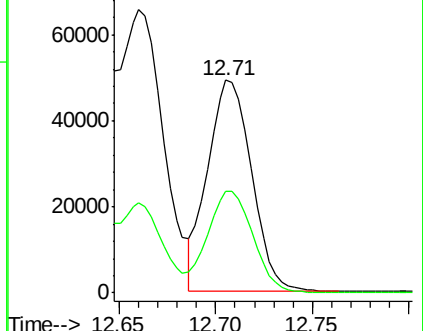
105 100

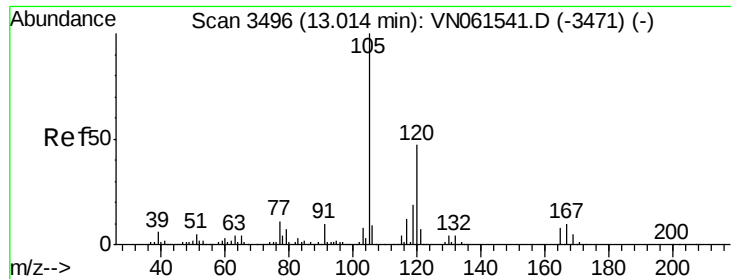
120 50.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061605.D (-3399) (-)

Ion 120.00 (119.70 to 120.70): VN061605.D (-3399) (-)

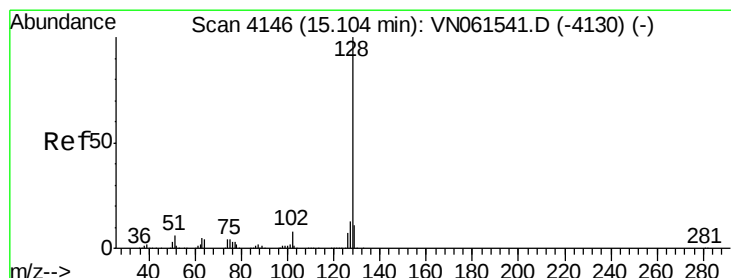
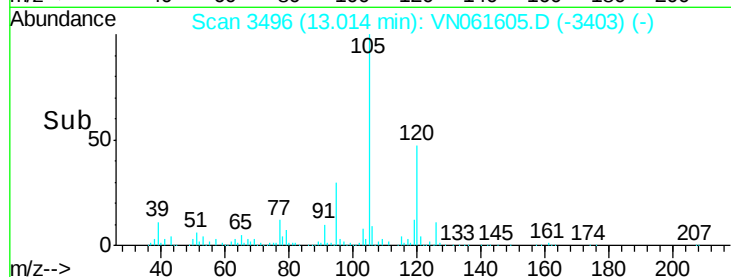
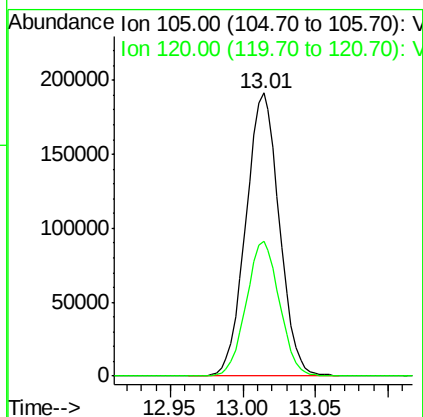
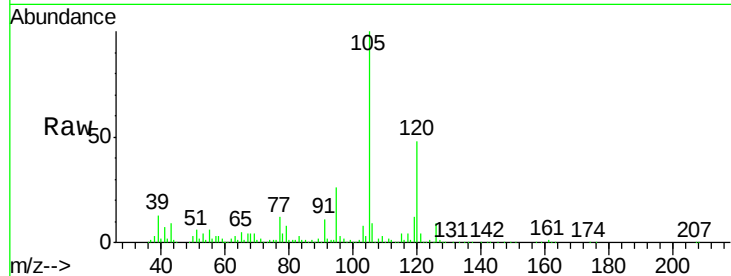




#84
 1,2,4-Trimethylbenzene
 Concen: 14.784 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

Instrument :
 MSVOA_N
 ClientSampled :
 C0AP8

Tot Ion:105 Resp: 304849
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.2 69.5



#95
 Naphthalene
 Concen: 33.263 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN061605.D
 Acq: 1 Jun 2020 19:16

Tgt Ion:128 Resp: 635163
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.0 15.0
 129 11.0 8.5 12.7

