

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059126.D
 Acq On : 7 Nov 2019 17:00
 Operator : JC/SP
 Sample : K5726-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(NOV)

Quant Time: Nov 08 01:11:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	70954	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	389806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	348559	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	171578	28.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.97%
60) 4-Bromofluorobenzene	12.40	95	159570	26.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.23%
63) Toluene-d8	10.08	98	480932	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

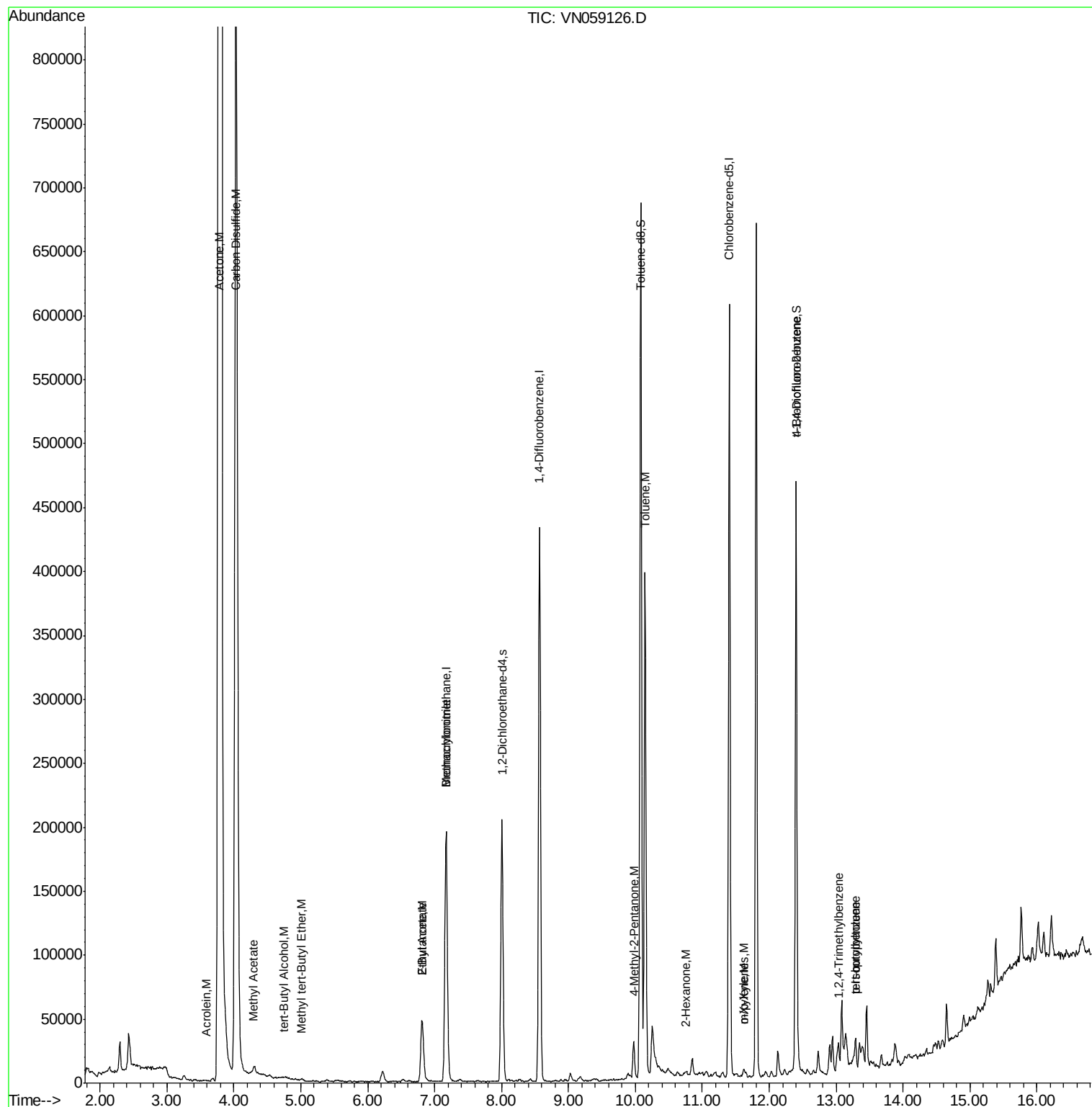
					Ovalue	
12) Methyl Acetate	4.30	43	10525	1.772	ug/l	95
13) Acrolein	3.59	56	226	0.344	ug/l #	48
15) Acetone	3.79	58	3010146	4332.942	ug/l #	36
16) Carbon Disulfide	4.03	76	7931	0.732	ug/l #	95
23) tert-Butyl Alcohol	4.74	59	875	0.914	ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	2991	0.216	ug/l #	59
30) 2-Butanone	6.82	43	92110	26.564	ug/l	99
35) Methacrylonitrile	7.17	41	1495	0.488	ug/l #	51
43) Ethyl Acetate	6.82	43	92110	13.534	ug/l #	72
58) 4-Methyl-2-Pentanone	9.98	43	20215	3.179	ug/l	100
59) 2-Hexanone	10.75	43	2112	0.424	ug/l #	87
62) Toluene	10.15	91	302743	16.147	ug/l	99
67) m/p-Xylenes	11.62	106	2180	0.281	ug/l #	73
68) o-Xylene	11.62	106	2180	0.290	ug/l	66
77) t-1,4-Dichloro-2-butene	12.40	75	80197	33.994	ug/l #	10
79) tert-butylbenzene	13.29	119	6952	0.468	ug/l	58
80) 1,2,4-Trimethylbenzene	13.05	105	4147	0.240	ug/l	97
82) p-Isopropyltoluene	13.29	119	6952	0.387	ug/l	98

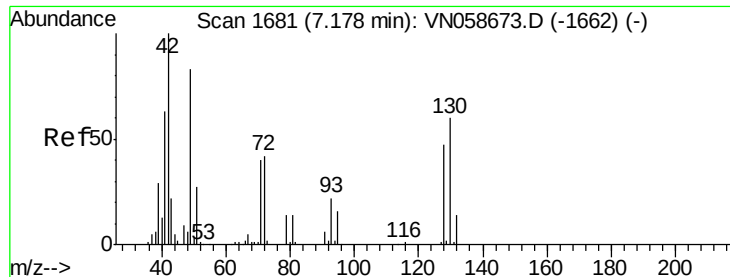
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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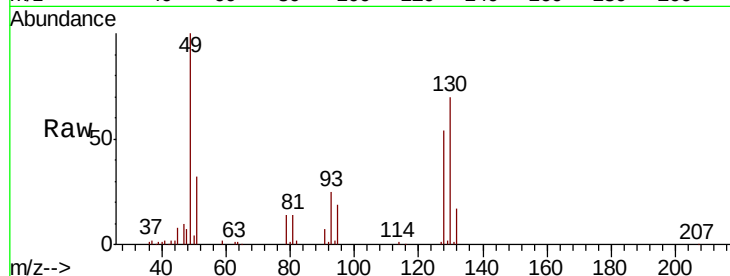




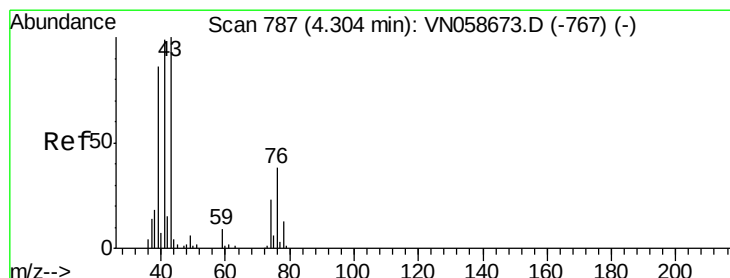
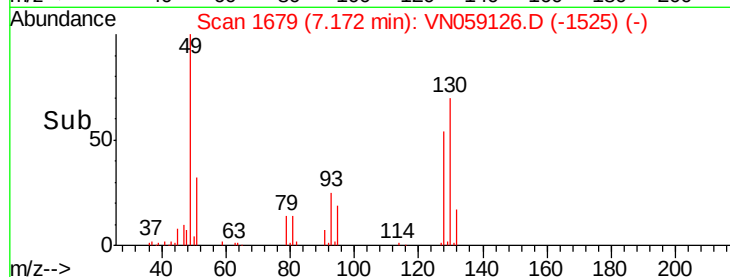
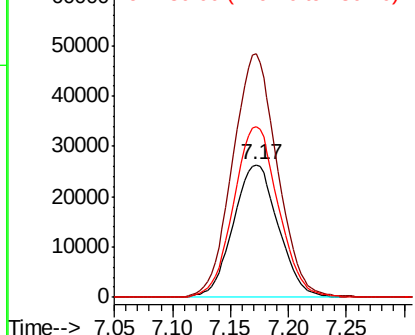
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(NOV)

Tot Ion:128 Resp: 70954
Ion Ratio Lower Upper
128 100
49 183.1 0.0 453.5
130 128.2 0.0 314.2

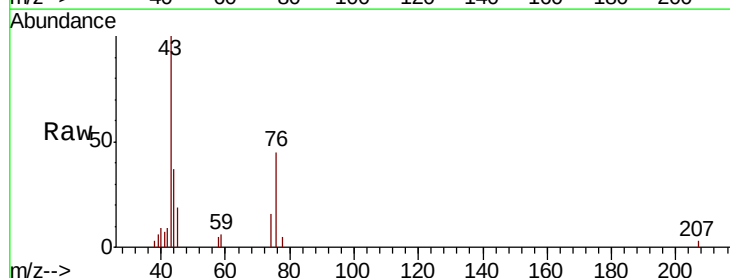


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

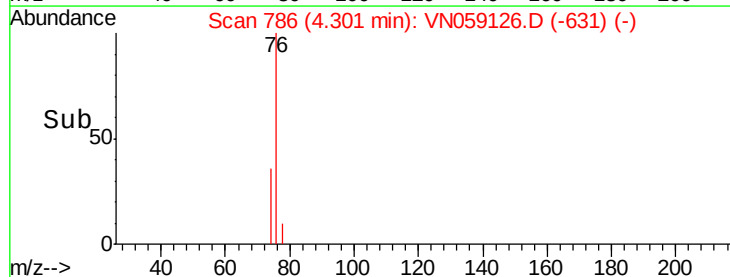
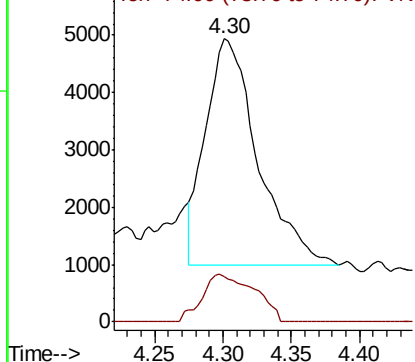


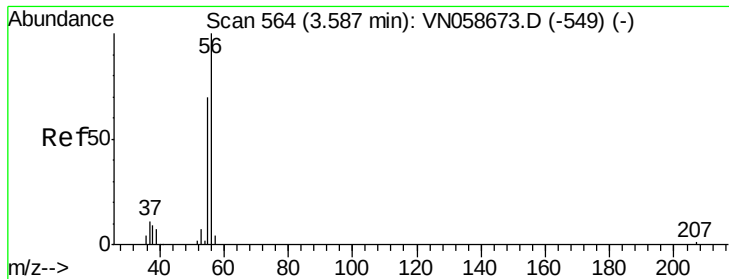
#12
Methyl Acetate
Concen: 1.772 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 43 Resp: 10525
Ion Ratio Lower Upper
43 100
74 20.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.344 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

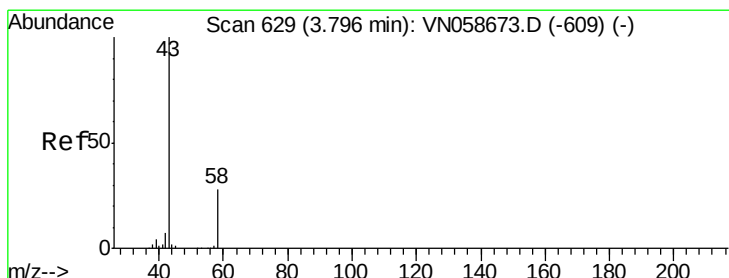
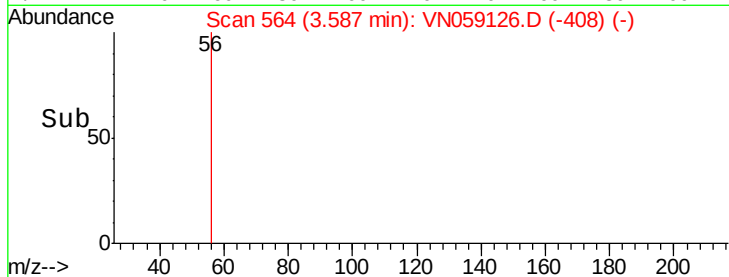
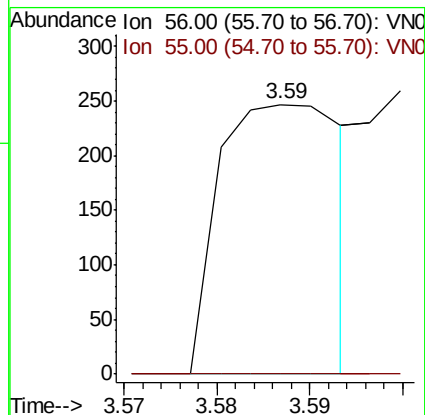
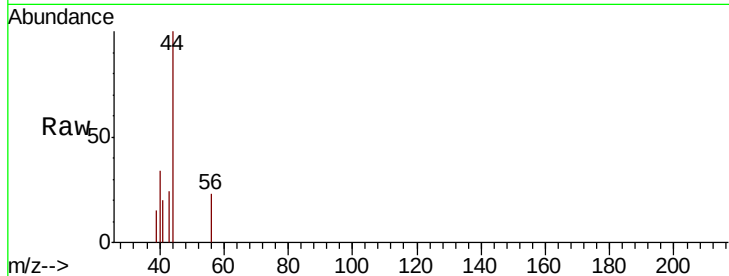
002-35TH-AVE-(NOV)

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

55 27.0 55.9 83.9#



#15

Acetone

Concen: 4332.942 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059126.D

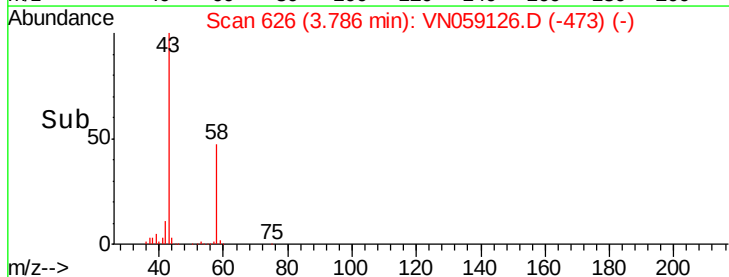
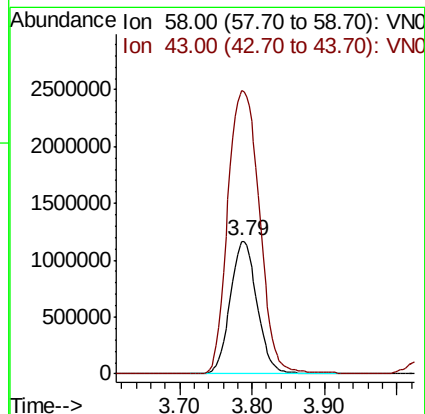
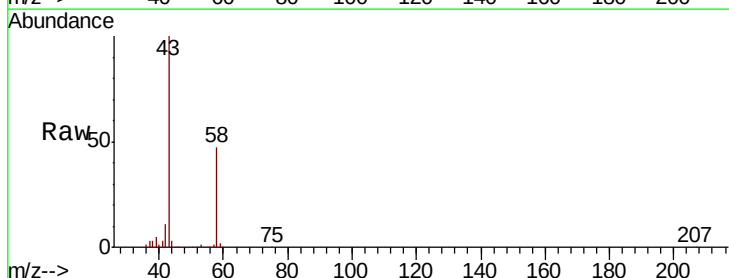
Acq: 7 Nov 2019 17:00

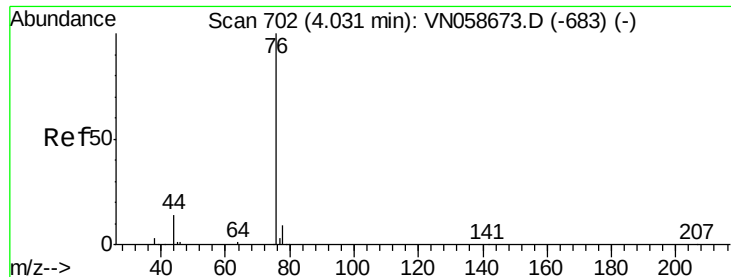
Tgt Ion: 58 Resp: 3010146

Ion Ratio Lower Upper

58 100

43 213.4 281.7 422.5#

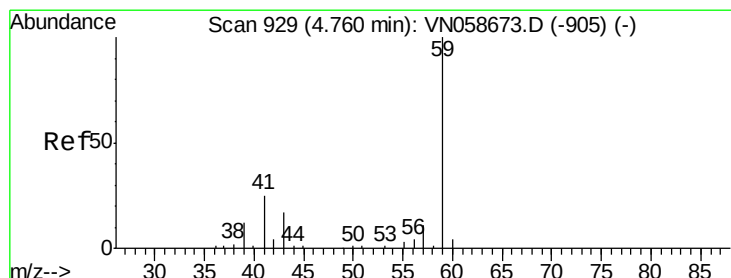
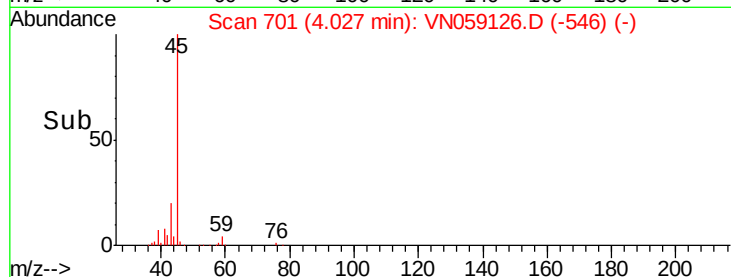
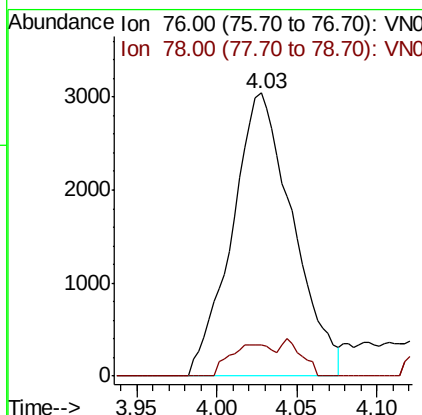
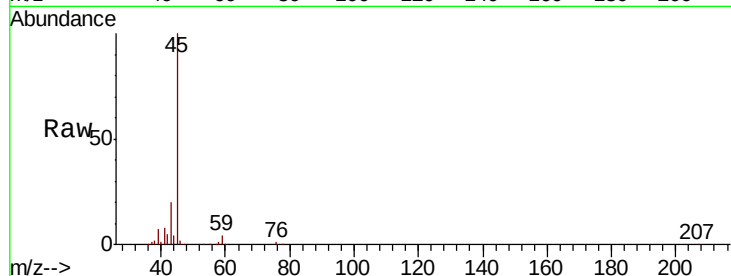




#16
Carbon Disulfide
Concen: 0.732 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

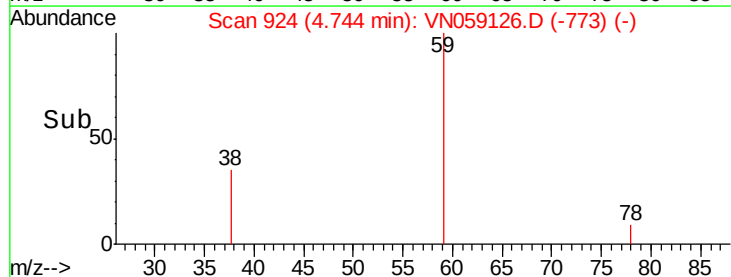
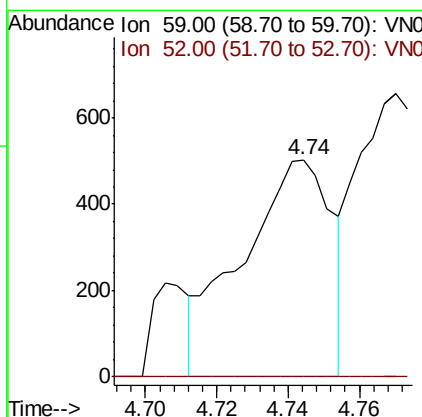
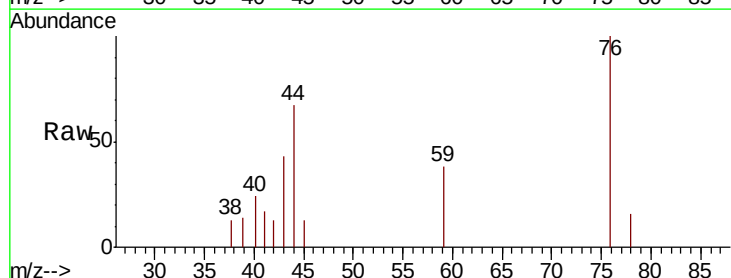
Instrument :
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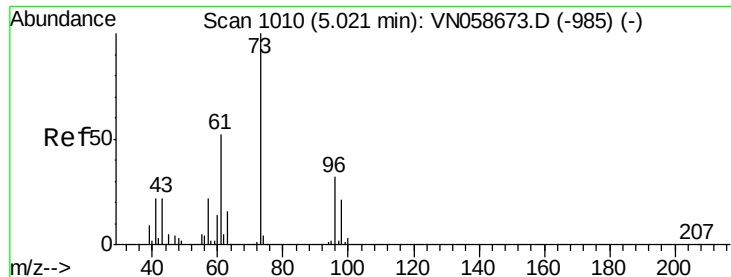
Tot Ion: 76 Resp: 7931
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.0#



#23
tert-Butyl Alcohol
Concen: 0.914 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 59 Resp: 875
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

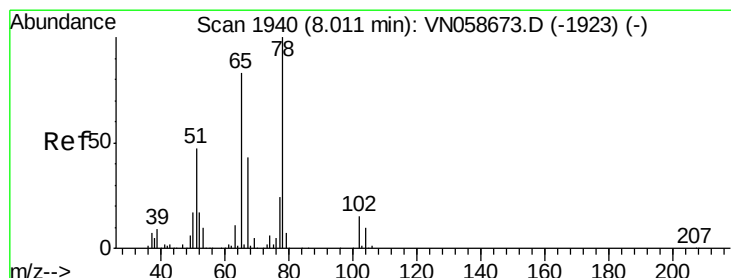
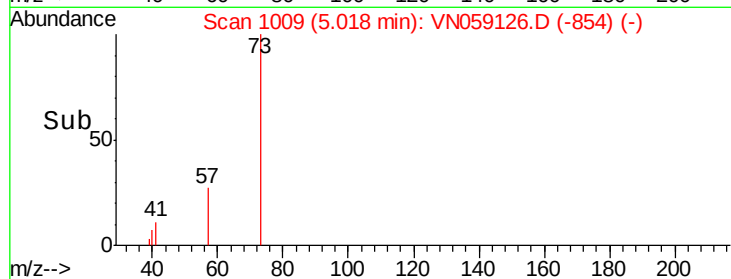
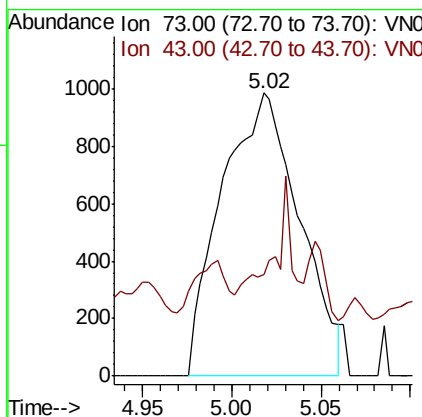
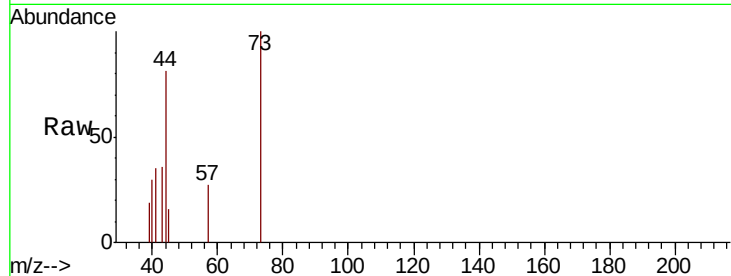




#24
Methyl tert-Butyl Ether
Concen: 0.216 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

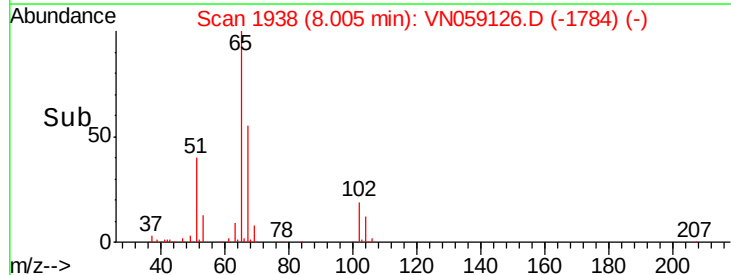
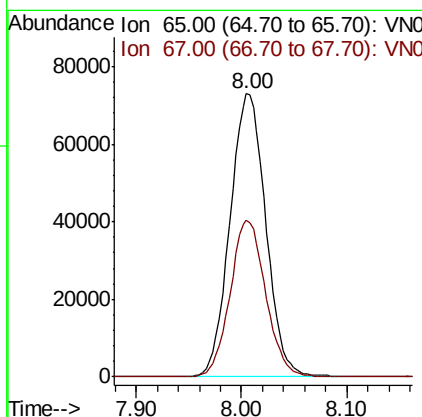
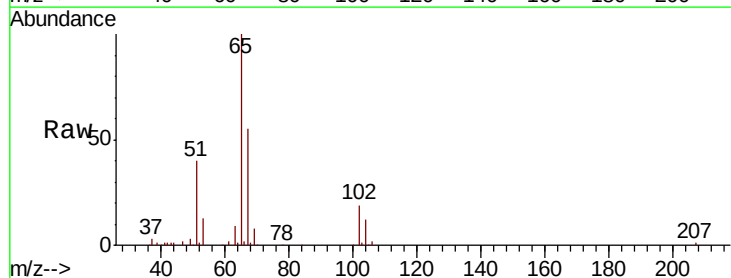
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(NOV)

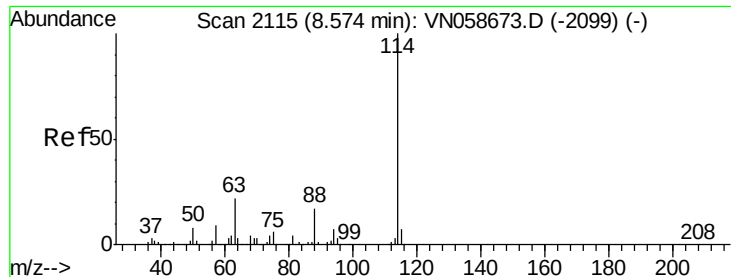
Tot Ion: 73 Resp: 2991
Ion Ratio Lower Upper
73 100
43 2.8 17.9 26.9#



#27
1,2-Dichloroethane-d4
Concen: 28.491 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 65 Resp: 171578
Ion Ratio Lower Upper
65 100
67 54.9 41.5 62.3

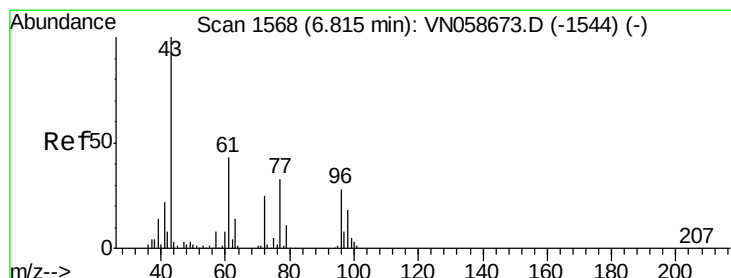
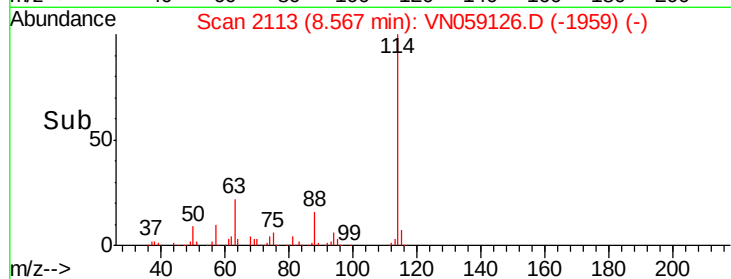
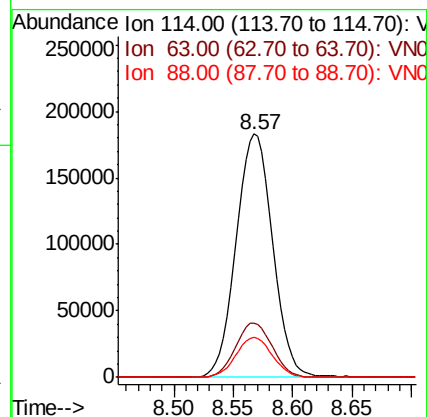
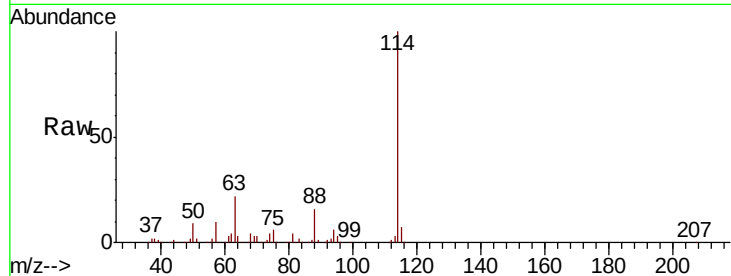




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

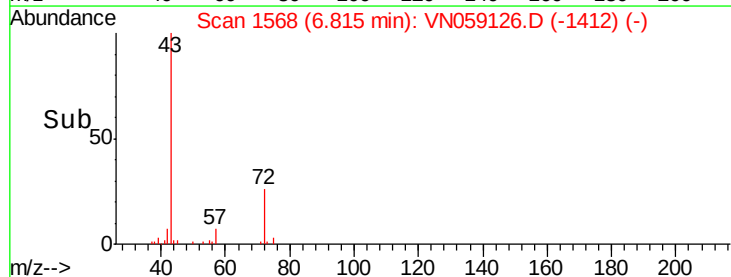
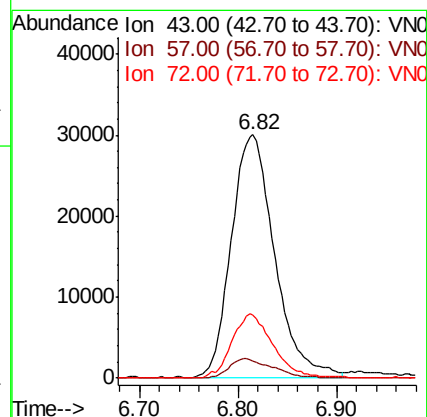
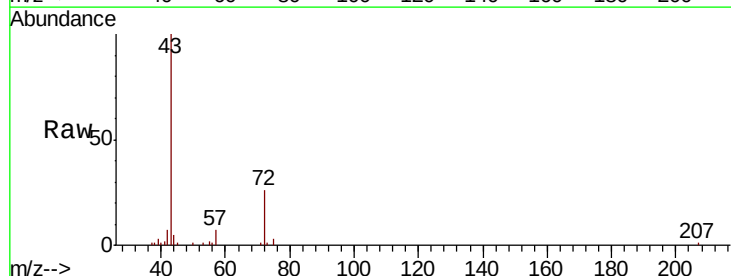
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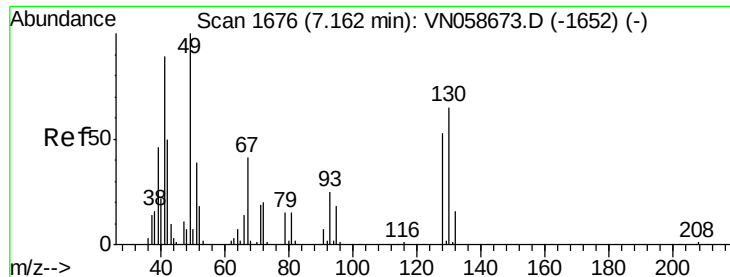
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.1	27.1
88	16.3	13.0	19.4



#30
 2-Butanone
 Concen: 26.564 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.5	9.7
72	24.8	20.1	30.1

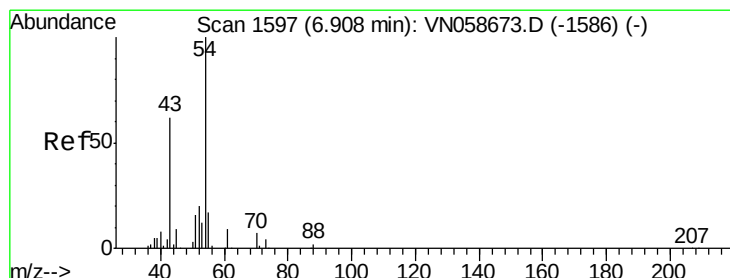
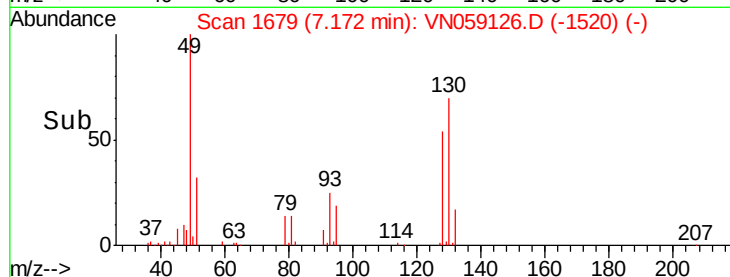
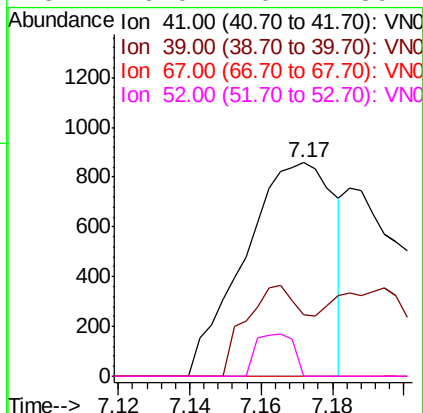
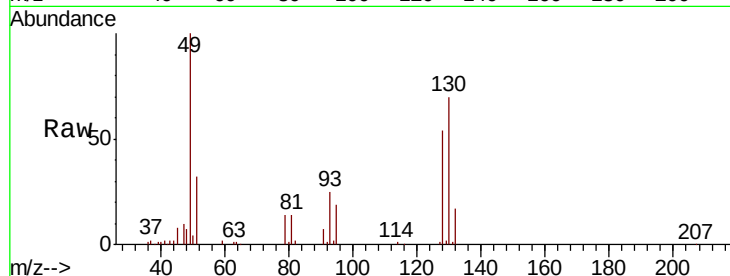




#35
Methacrylonitrile
Concen: 0.488 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

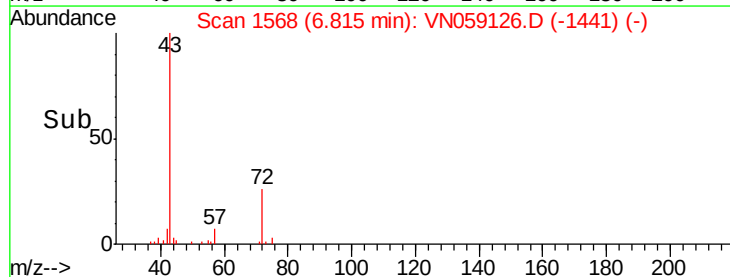
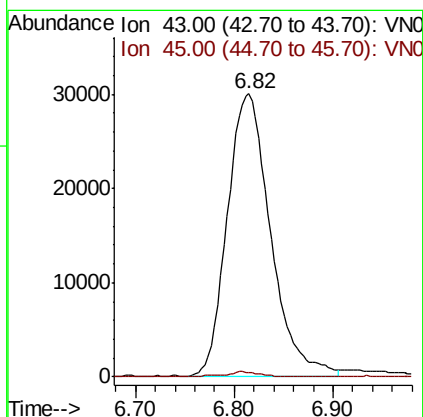
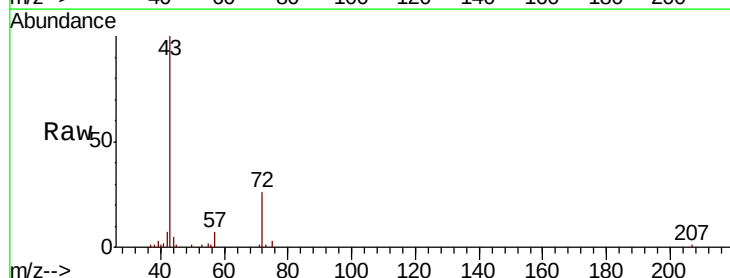
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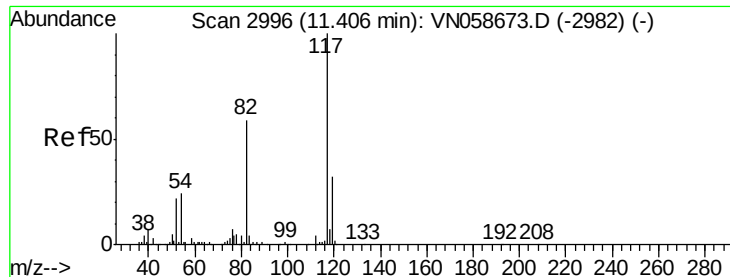
Tot Ion:	41	Resp:	1495
Ion	Ratio	Lower	Upper
41	100		
39	29.0	25.8	77.4
67	0.0	23.0	69.0#
52	0.0	10.1	30.1#



#43
Ethyl Acetate
Concen: 13.534 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.09 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion:	43	Resp:	92110
Ion	Ratio	Lower	Upper
43	100		
45	1.2	9.7	14.5#

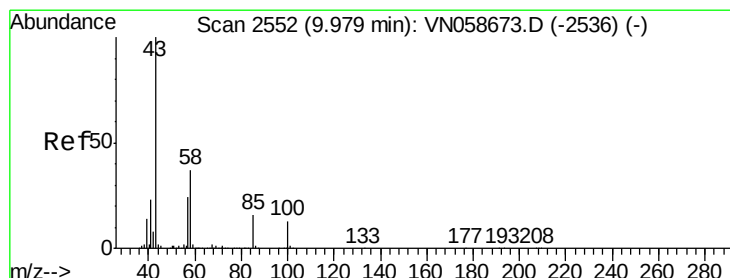
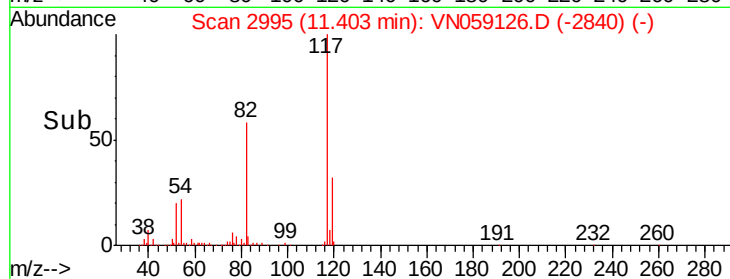
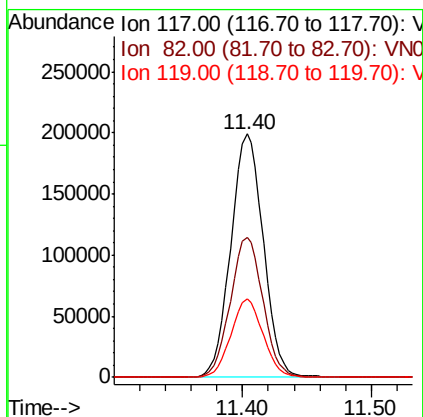
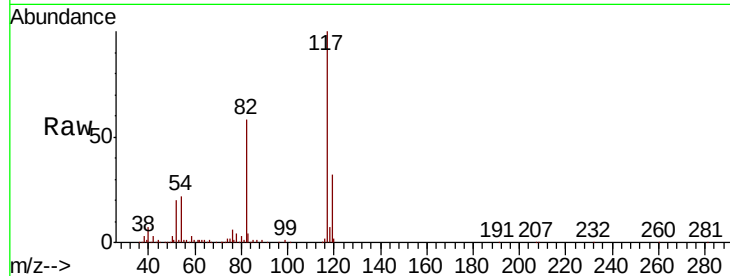




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

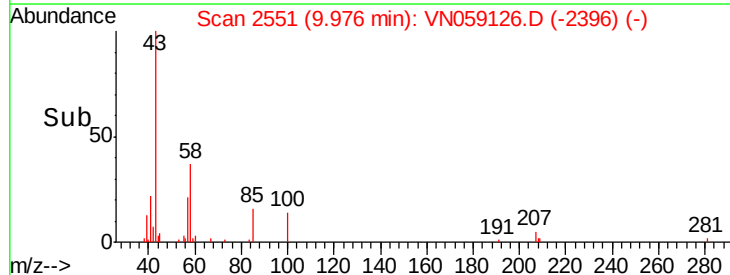
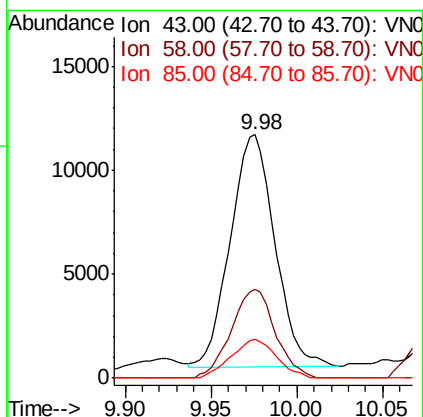
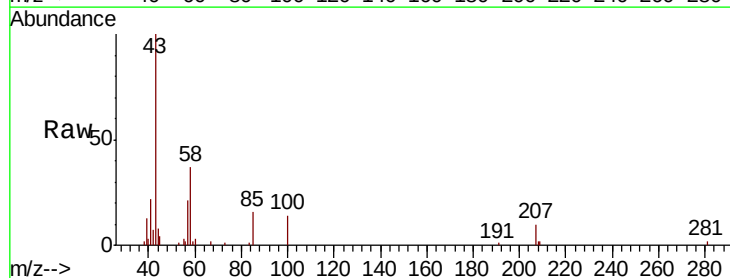
Instrument :
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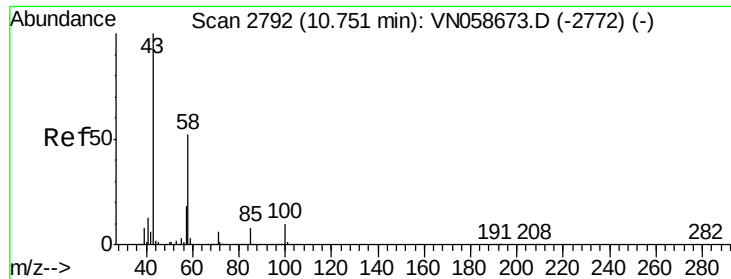
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.9	70.3
119	32.0	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 3.179 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1
85	16.9	13.2	19.8

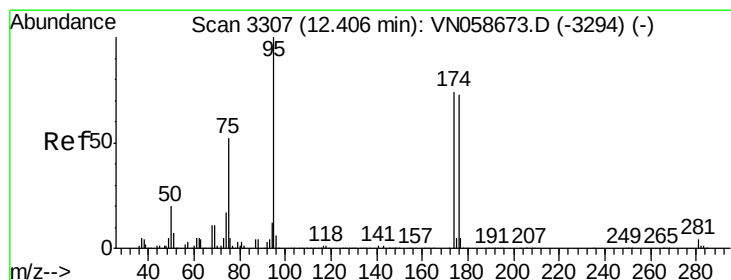
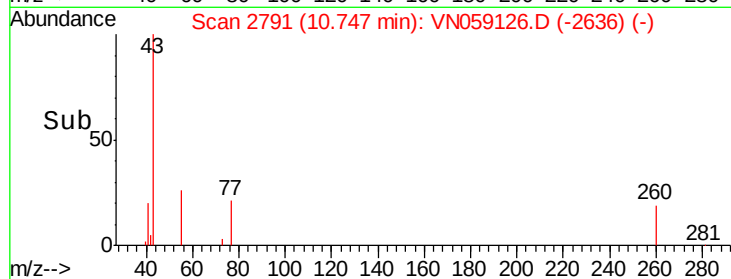
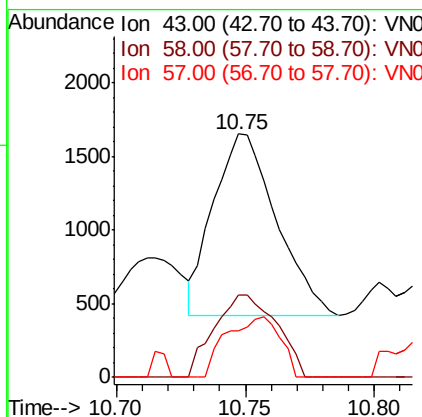
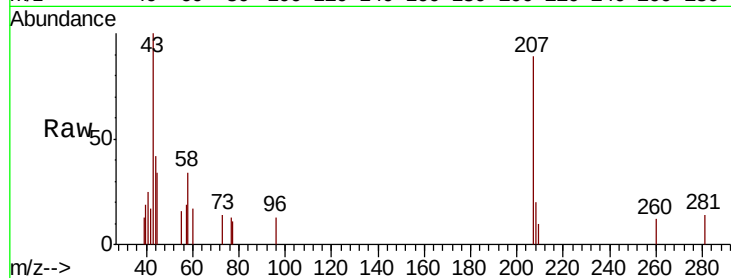




#59
2-Hexanone
Concen: 0.424 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

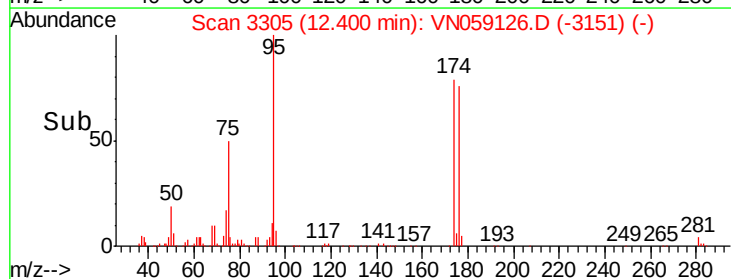
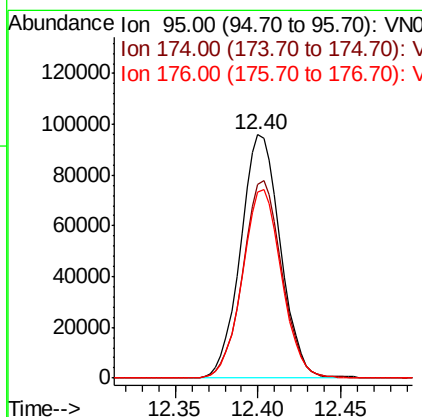
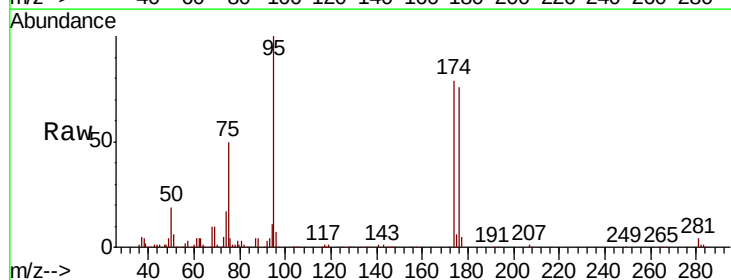
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(NOV)

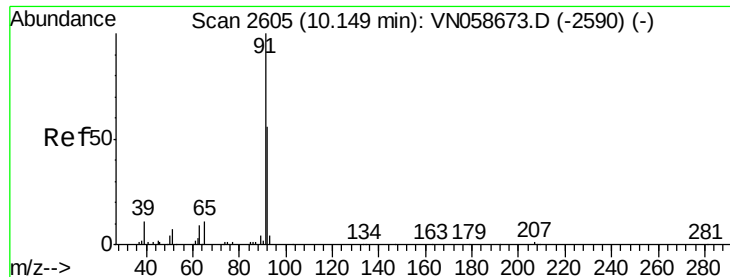
Tot Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
58 44.6 41.4 62.0
57 28.2 14.7 22.1#



#60
4-Bromofluorobenzene
Concen: 26.171 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 95 Resp: 159570
Ion Ratio Lower Upper
95 100
174 79.9 59.9 89.9
176 76.7 58.3 87.5





#62

Toluene

Concen: 16.147 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

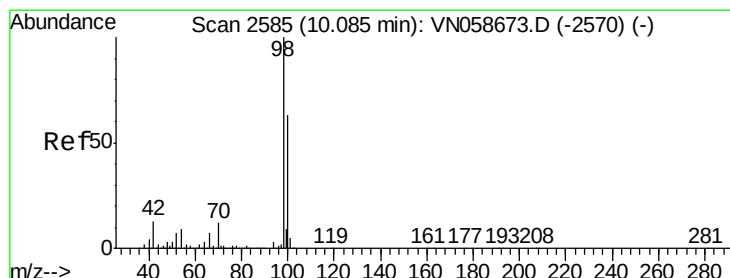
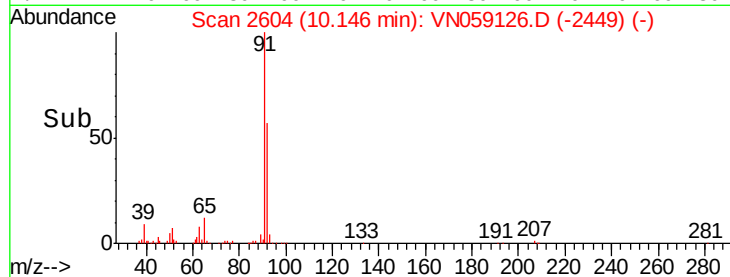
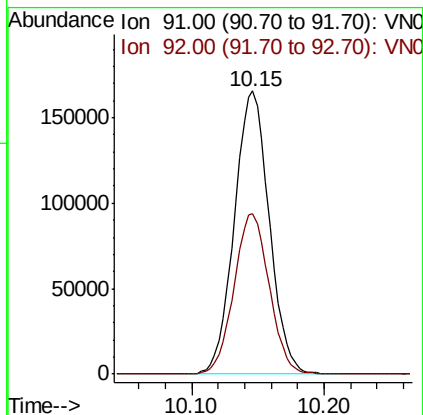
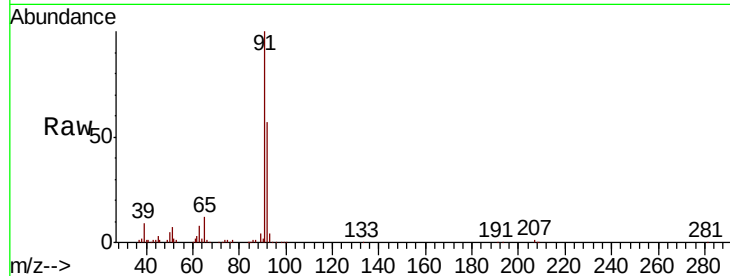
002-35TH-AVE-(NOV)

Tot Ion: 91 Resp: 302743

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2



#63

Toluene-d8

Concen: 29.223 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059126.D

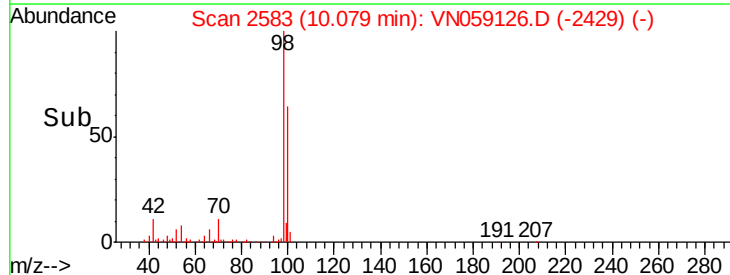
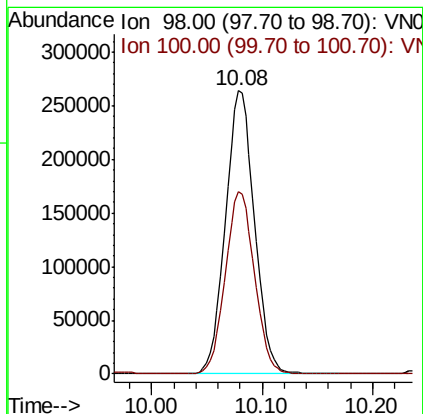
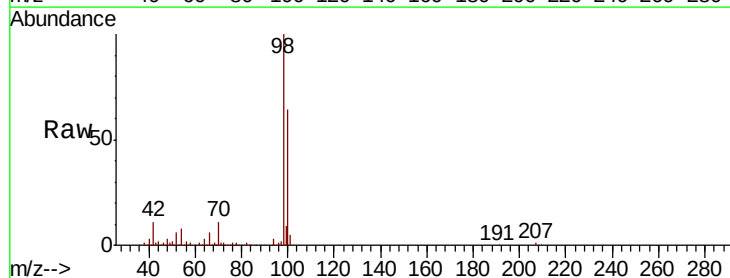
Acq: 7 Nov 2019 17:00

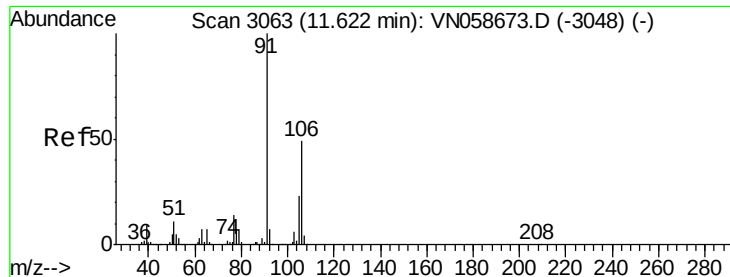
Tgt Ion: 98 Resp: 480932

Ion Ratio Lower Upper

98 100

100 64.8 50.6 75.8





#67

m/p-Xylenes

Concen: 0.281 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059126.D

Acq: 7 Nov 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

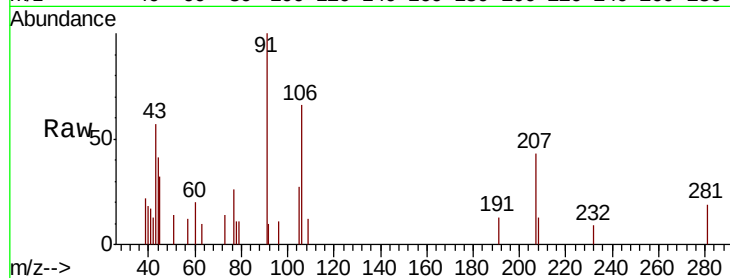
002-35TH-AVE-(NOV)

Tot Ion:106 Resp: 2180

Ion Ratio Lower Upper

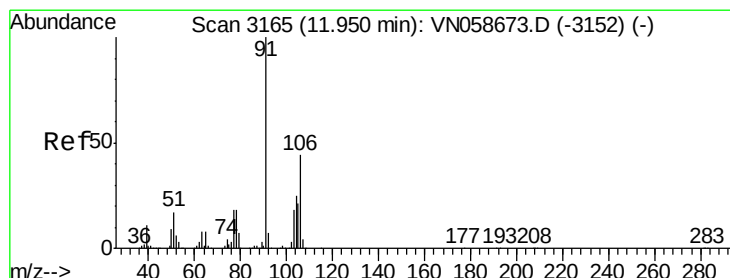
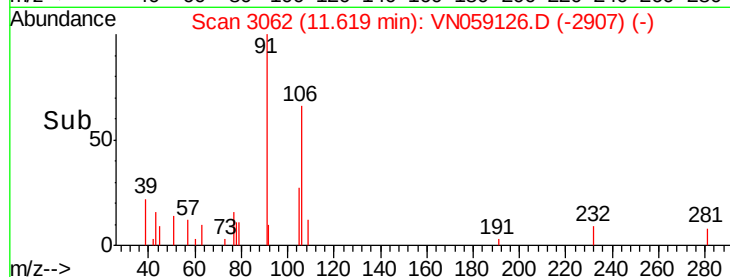
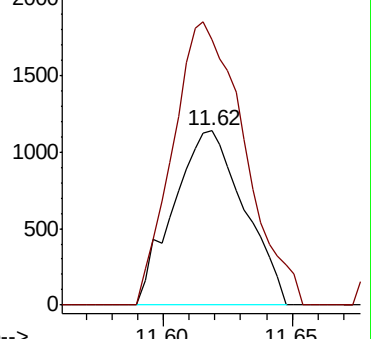
106 100

91 164.7 165.6 248.4#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 0.290 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.33 min

Lab File: VN059126.D

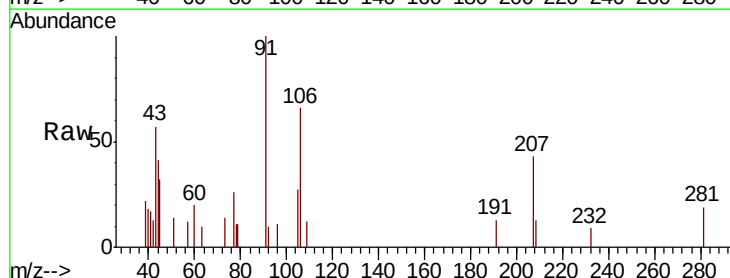
Acq: 7 Nov 2019 17:00

Tgt Ion:106 Resp: 2180

Ion Ratio Lower Upper

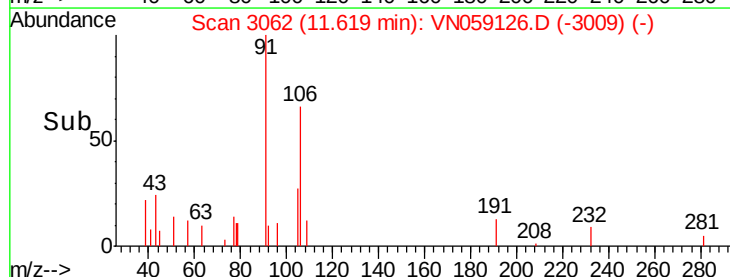
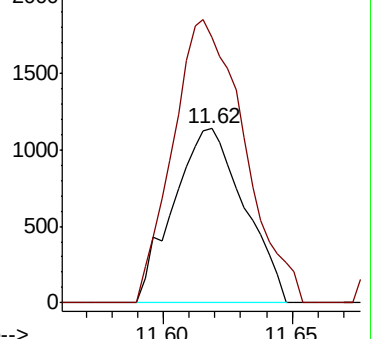
106 100

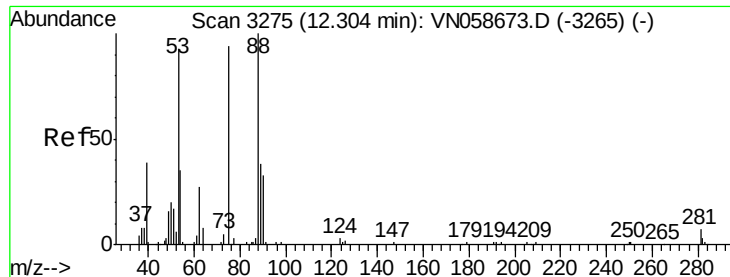
91 164.7 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

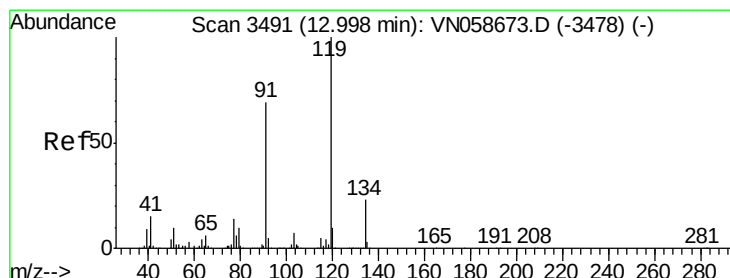
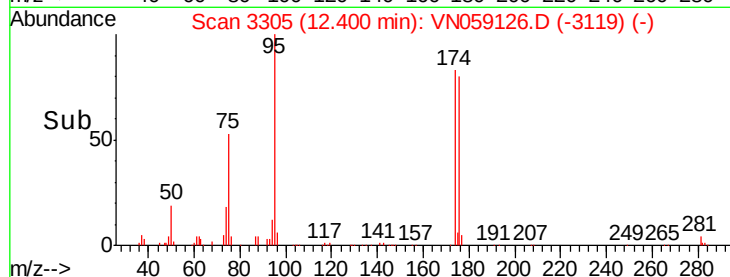
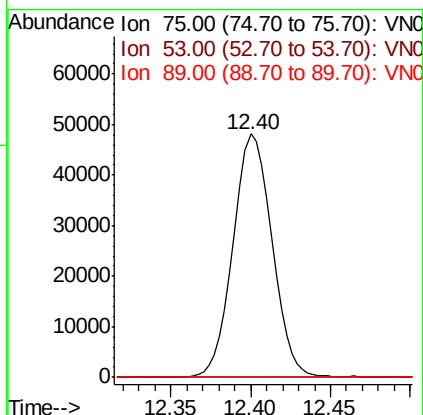
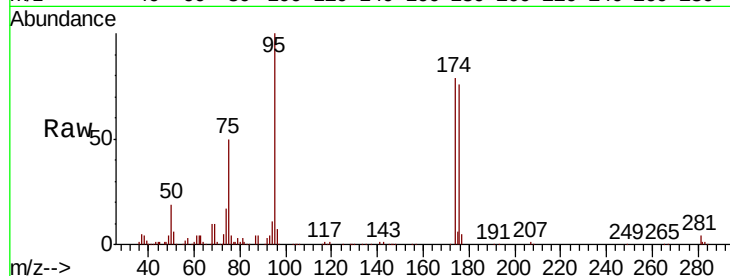




#77
t-1,4-Dichloro-2-butene
Concen: 33.994 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

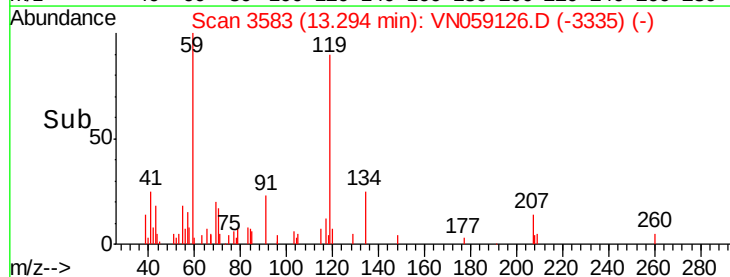
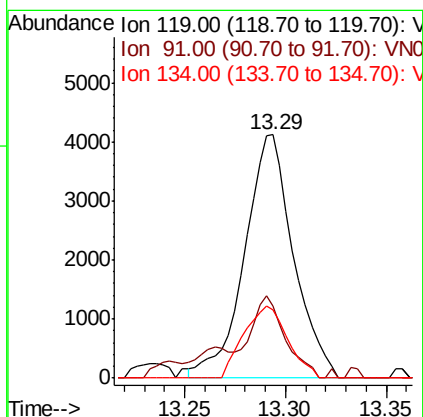
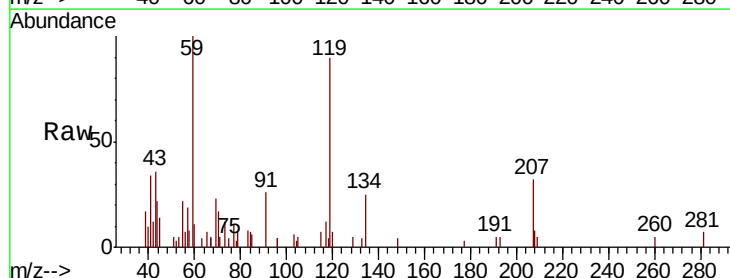
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(NOV)

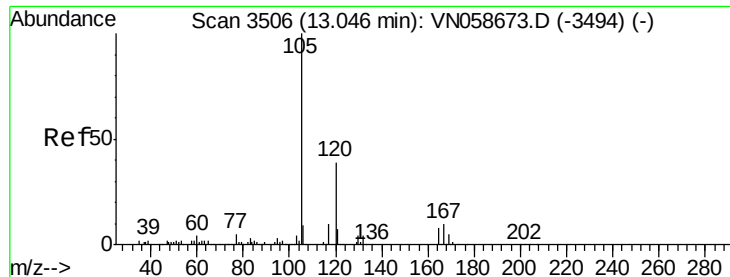
Tot Ion: 75 Resp: 80197
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 20.7 62.1#



#79
tert-butylbenzene
Concen: 0.468 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.30 min
Lab File: VN059126.D
Acq: 7 Nov 2019 17:00

Tgt Ion: 119 Resp: 6952
Ion Ratio Lower Upper
119 100
91 24.0 0.0 136.4
134 26.8 0.0 47.2

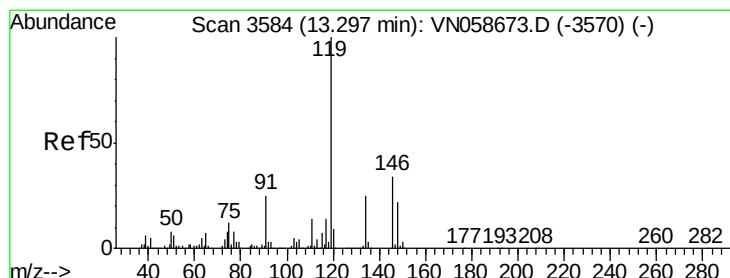
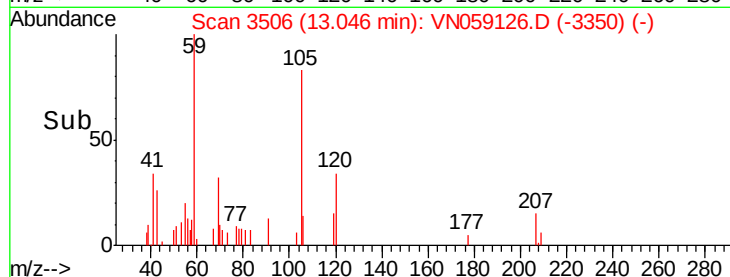
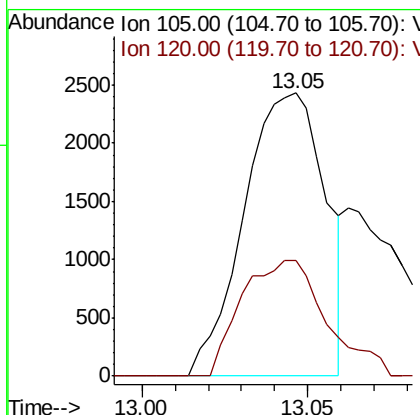
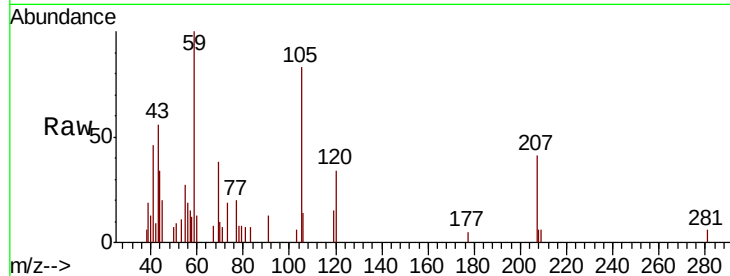




#80
 1,2,4-Trimethylbenzene
 Concen: 0.240 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(NOV)

Tot Ion:105 Resp: 4147
 Ion Ratio Lower Upper
 105 100
 120 42.6 0.0 89.2



#82
 p-Isopropyltoluene
 Concen: 0.387 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059126.D
 Acq: 7 Nov 2019 17:00

Tgt Ion:119 Resp: 6952
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 50.8
 91 24.0 0.0 49.4

