

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051638.D
 Acq On : 1 Oct 2018 15:17
 Operator : MD\SY
 Sample : J5167-02
 Misc : Sample
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)

Quant Time: Oct 02 01:02:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	94773	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	468642	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	422349	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	204327	30.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.20%
60) 4-Bromofluorobenzene	12.40	95	158437	24.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.33%
63) Toluene-d8	10.09	98	550865	27.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.13%

Target Compounds

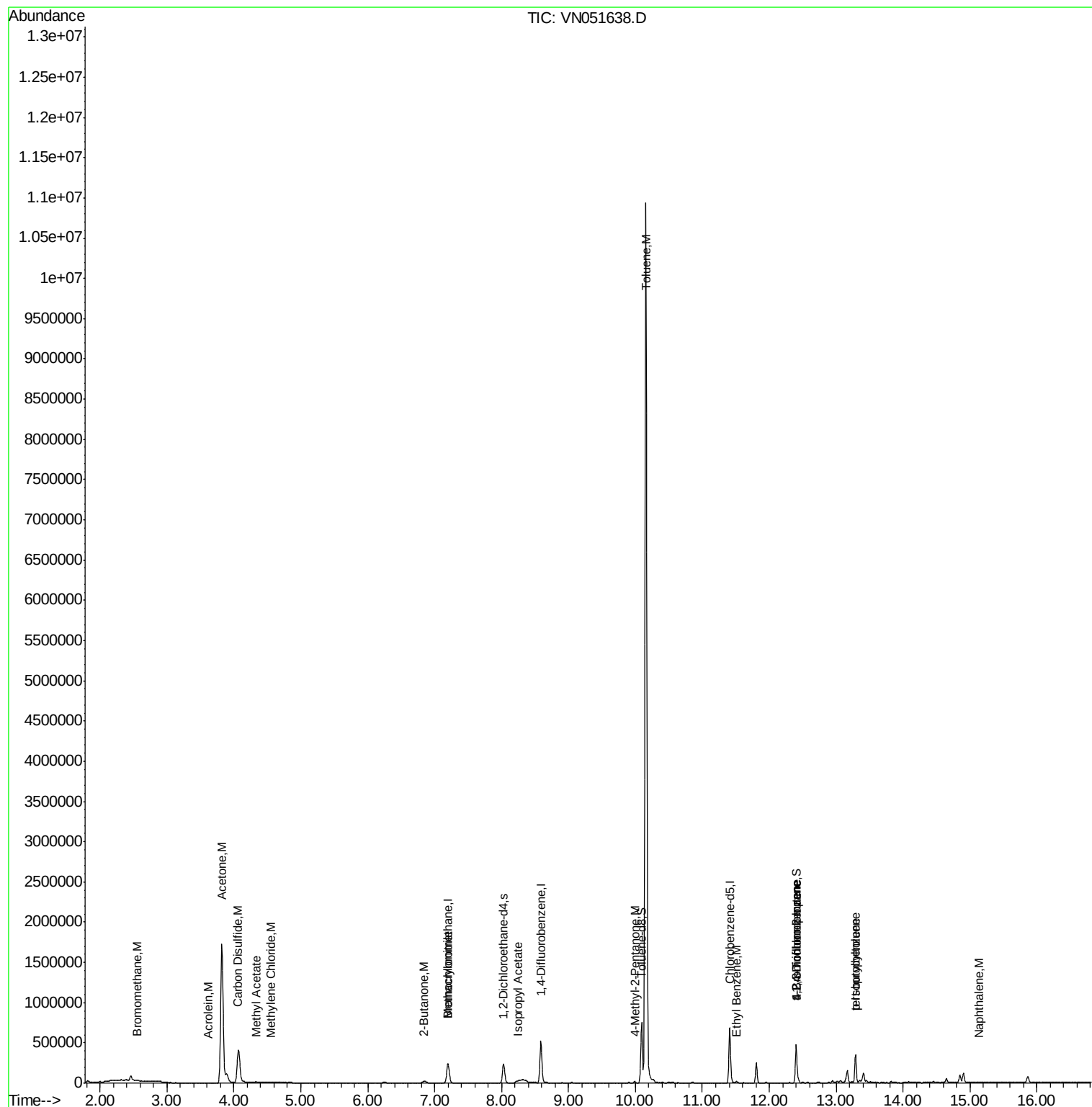
					Ovalue
5) Bromomethane	2.56	94	1006	0.212	ug/l 98
12) Methyl Acetate	4.33	43	10429	2.065	ug/l # 89
13) Acrolein	3.61	56	164	0.294	ug/l # 54
15) Acetone	3.82	58	941375	1775.127	ug/l 96
16) Carbon Disulfide	4.05	76	14493	0.786	ug/l # 94
18) Methylene Chloride	4.55	84	2390	0.363	ug/l 93
30) 2-Butanone	6.85	43	39720	18.263	ug/l # 96
35) Methacrylonitrile	7.20	41	822	0.336	ug/l # 59
44) Isopropyl Acetate	8.24	43	1874	0.208	ug/l 99
58) 4-Methyl-2-Pentanone	9.99	43	17248	3.597	ug/l # 87
62) Toluene	10.16	91	8485665	327.667	ug/l 100
66) Ethyl Benzene	11.51	91	10344	0.390	ug/l 98
72) 1,2,3-Trichloropropane	12.40	75	79100	14.702	ug/l 1
77) t-1,4-Dichloro-2-butene	12.40	75	79100	46.419	ug/l # 11
79) tert-butylbenzene	13.29	119	179255	9.520	ug/l 60
82) p-Isopropyltoluene	13.29	119	179255	8.063	ug/l 98
91) Naphthalene	15.13	128	901	8.332	ug/l # 83

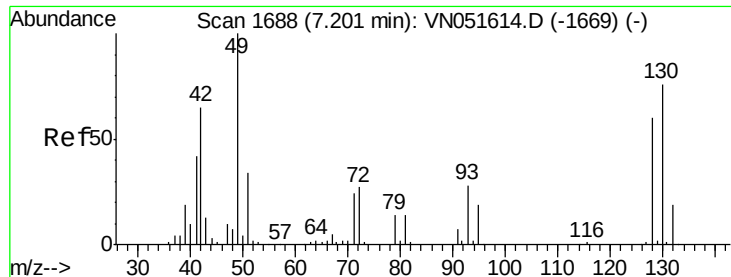
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051638.D

Acq: 1 Oct 2018 15:17

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)

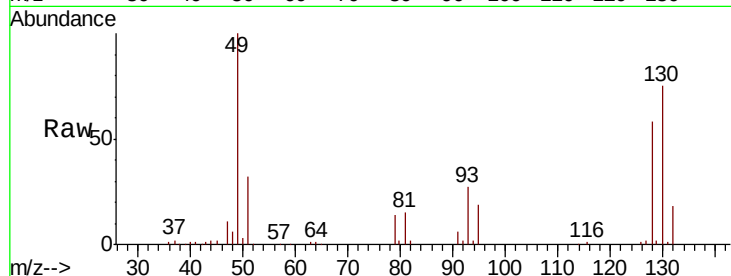
Tot Ion:128 Resp: 94773

Ion Ratio Lower Upper

128 100

49 169.5 0.0 426.8

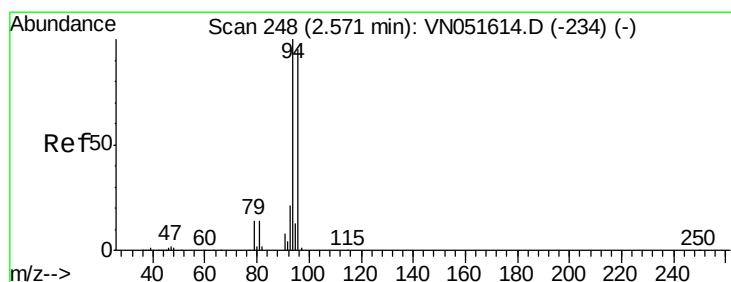
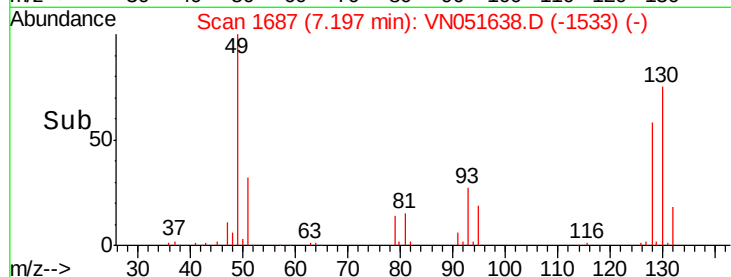
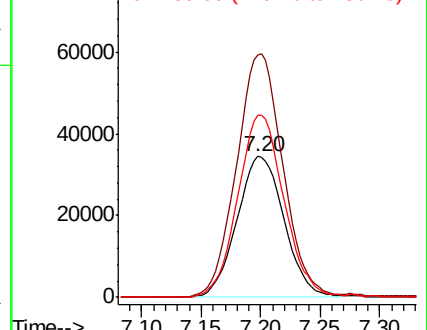
130 126.8 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.212 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN051638.D

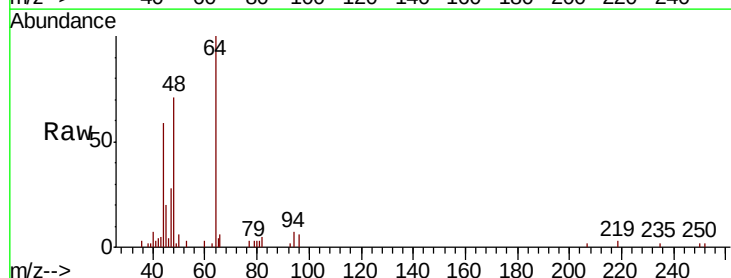
Acq: 1 Oct 2018 15:17

Tgt Ion: 94 Resp: 1006

Ion Ratio Lower Upper

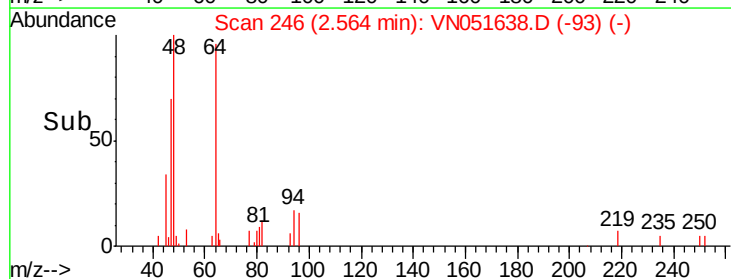
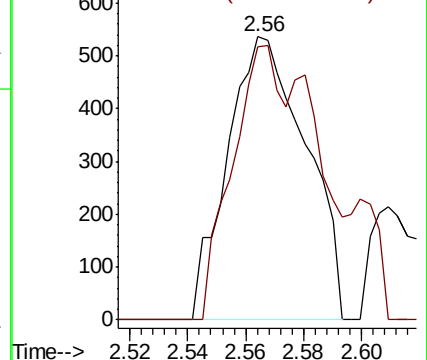
94 100

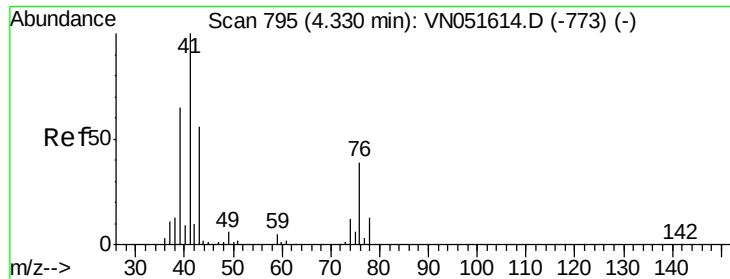
96 96.5 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

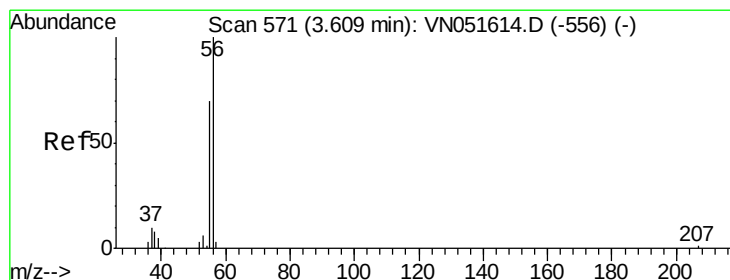
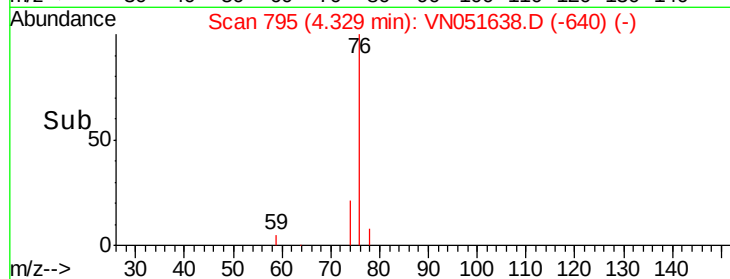
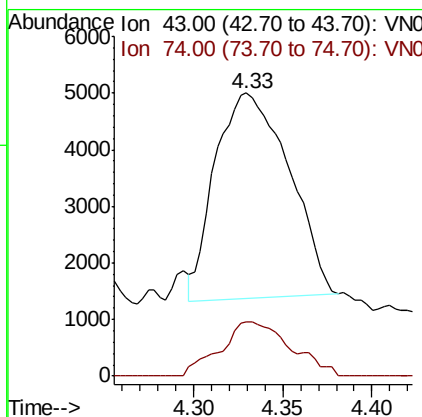
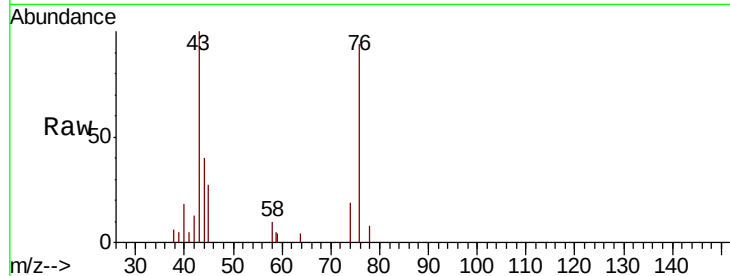




#12
Methvl Acetate
Concen: 2.065 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

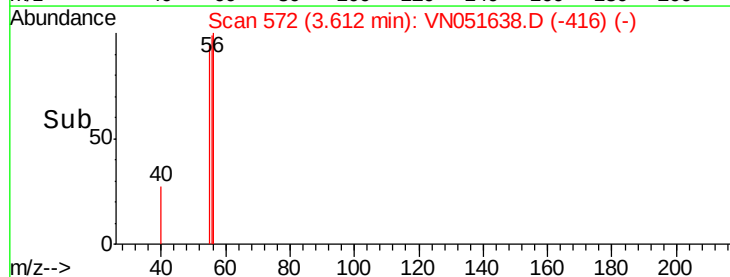
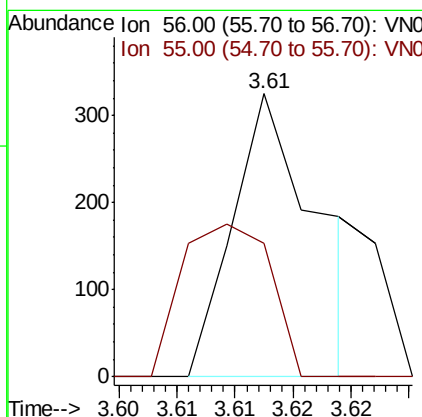
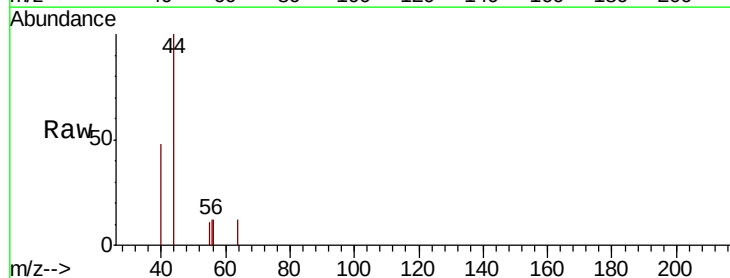
Instrument :
MSVOA_N
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002M-35TH-AVE(SEP)

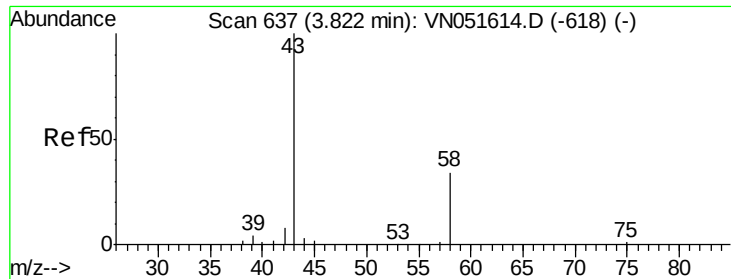
Tot Ion: 43 Resp: 10429
Ion Ratio Lower Upper
43 100
74 26.3 17.0 25.4#



#13
Acrolein
Concen: 0.294 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 107.3 55.8 83.8#





#15

Acetone

Concen: 1775.127 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051638.D

Acq: 1 Oct 2018 15:17

Instrument :

MSVOA_N

ClientSampleId :

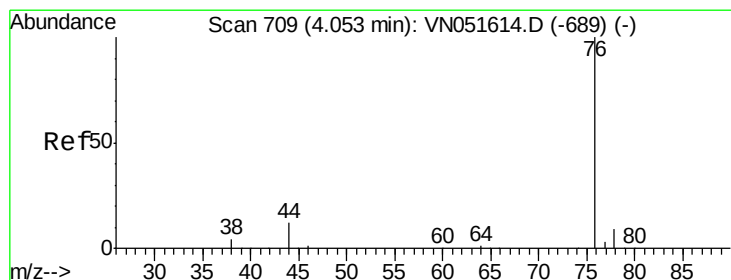
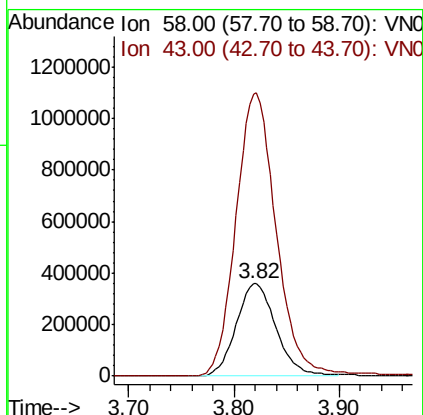
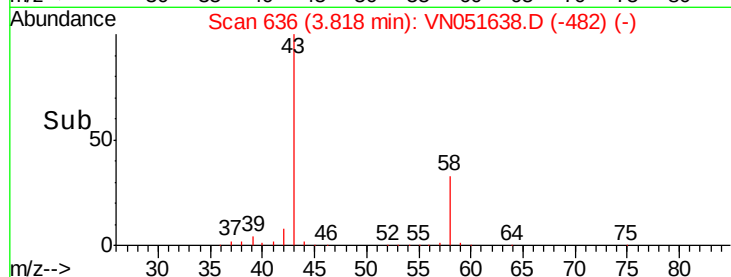
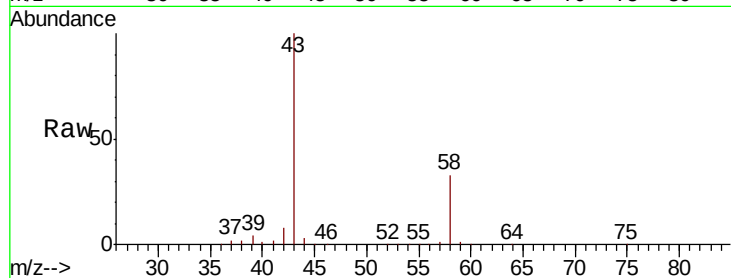
002M-35TH-AVE(SEP)

Tot Ion: 58 Resp: 941375

Ion Ratio Lower Upper

58 100

43 305.0 238.0 357.0



#16

Carbon Disulfide

Concen: 0.786 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051638.D

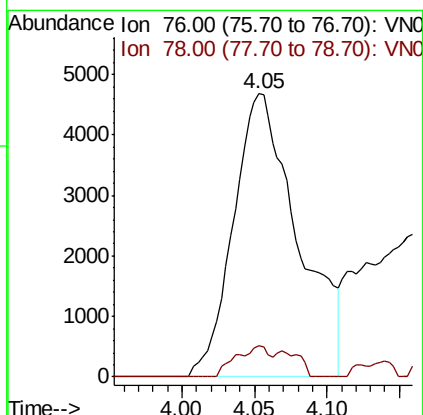
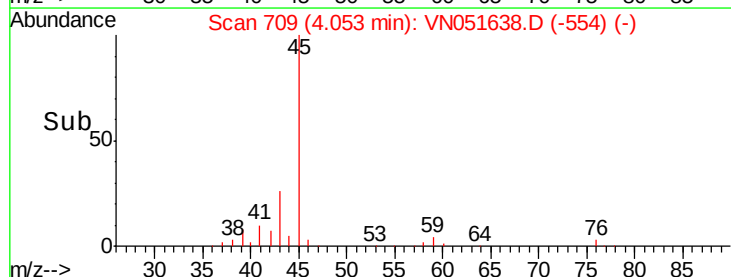
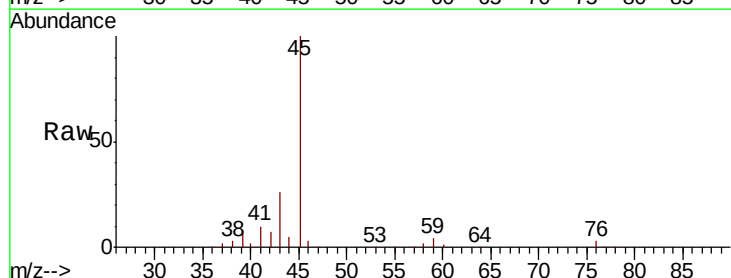
Acq: 1 Oct 2018 15:17

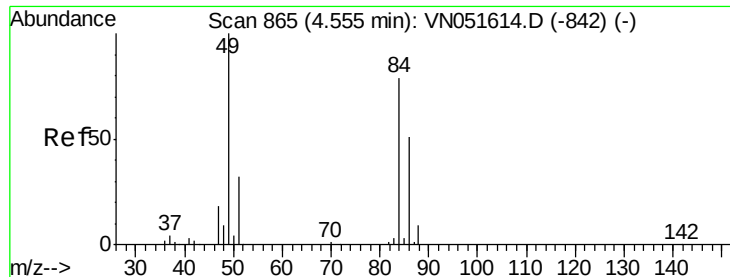
Tgt Ion: 76 Resp: 14493

Ion Ratio Lower Upper

76 100

78 11.3 7.3 10.9#

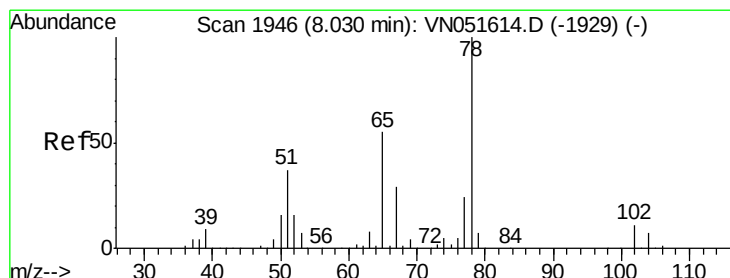
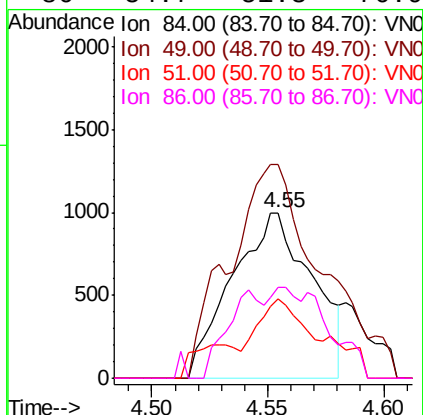
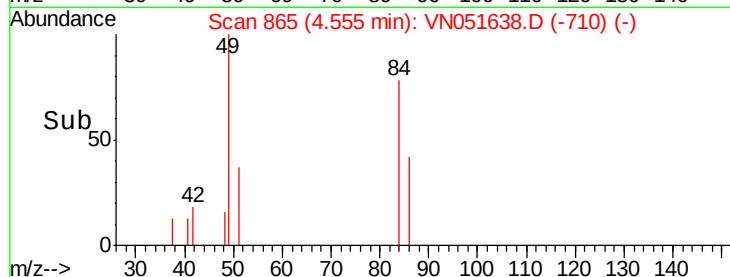
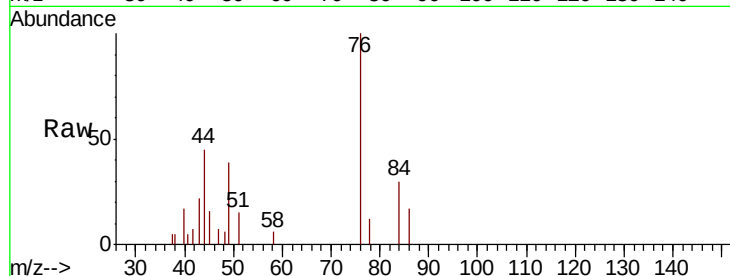




#18
Methvlene Chloride
Concen: 0.363 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

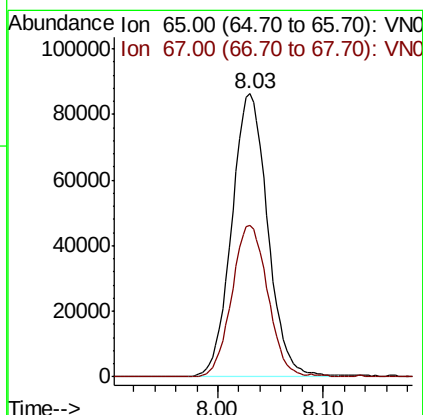
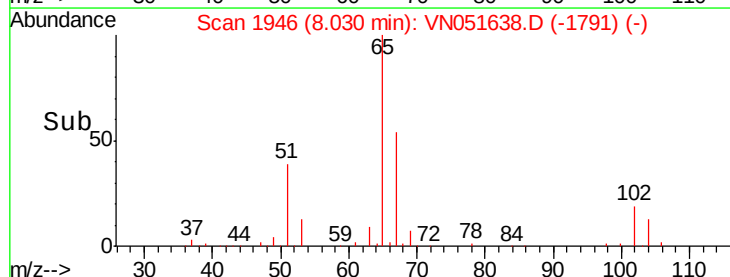
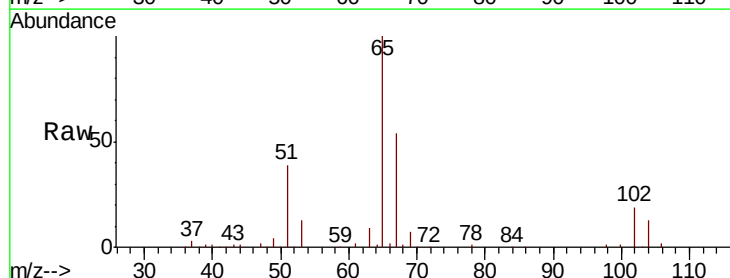
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)

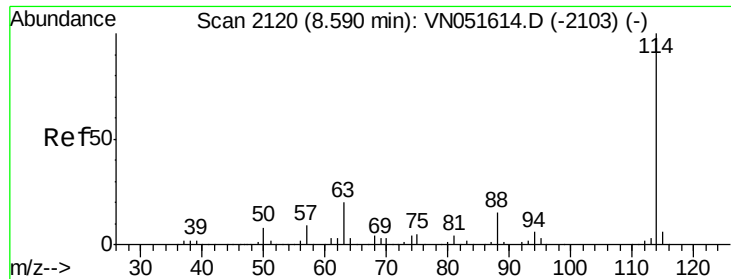
Tot Ion:	84	Resp:	2390
Ion	Ratio	Lower	Upper
84	100		
49	128.9	100.9	151.3
51	32.9	32.5	48.7
86	54.7	51.3	76.9



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion:	65	Resp:	204327
Ion	Ratio	Lower	Upper
65	100		
67	53.2	43.1	64.7

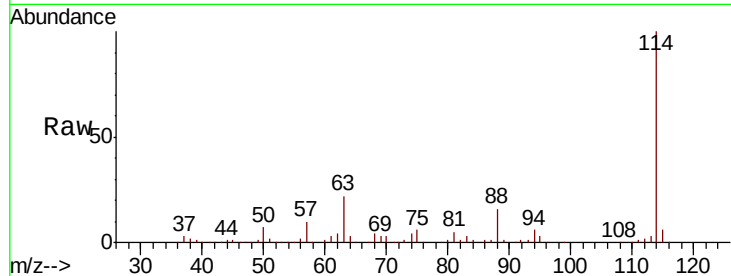




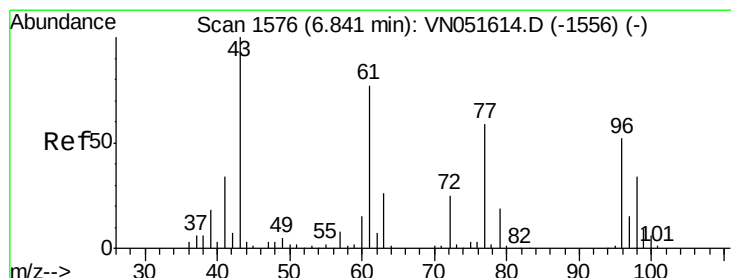
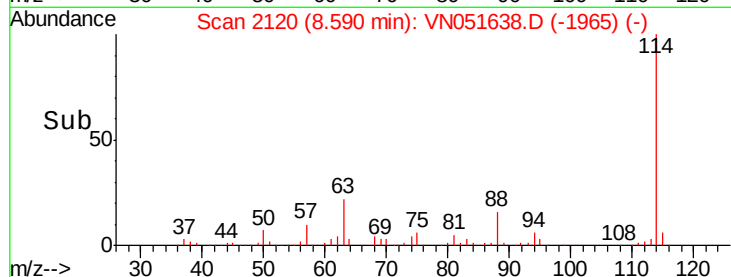
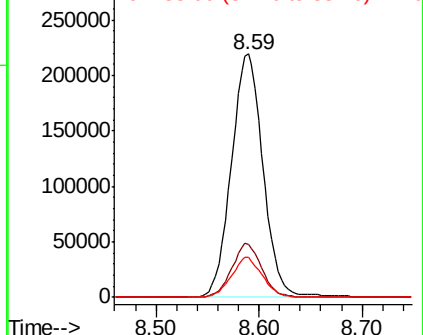
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051638.D
 Acq: 1 Oct 2018 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)

Tot Ion:114 Resp: 468642
 Ion Ratio Lower Upper
 114 100
 63 21.1 16.4 24.6
 88 15.9 12.6 18.8

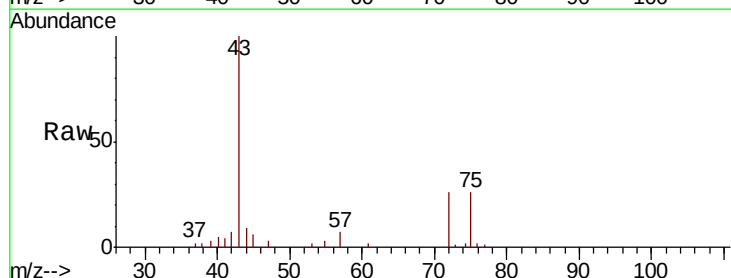


Abundance Ion 114.00 (113.70 to 114.70): VN051614.D (-2103) (-)
 Ion 63.00 (62.70 to 63.70): VN051614.D (-2103) (-)
 Ion 88.00 (87.70 to 88.70): VN051614.D (-2103) (-)

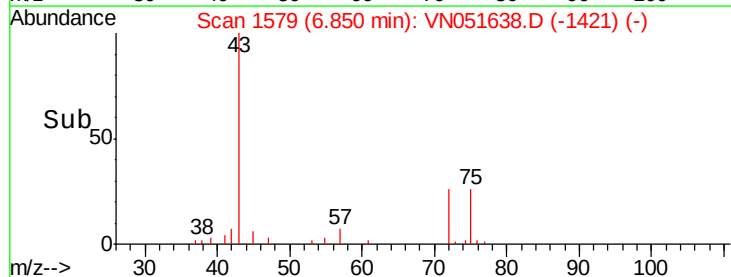
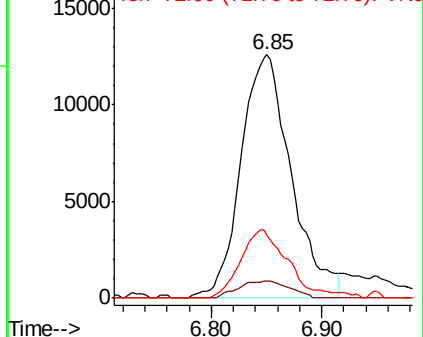


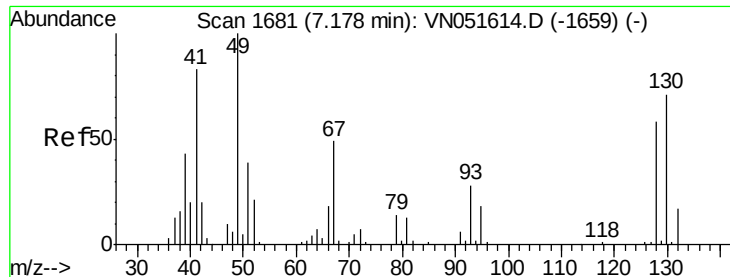
#30
 2-Butanone
 Concen: 18.263 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN051638.D
 Acq: 1 Oct 2018 15:17

Tgt Ion: 43 Resp: 39720
 Ion Ratio Lower Upper
 43 100
 57 3.2 6.6 10.0#
 72 26.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN051614.D (-1556) (-)
 Ion 57.00 (56.70 to 57.70): VN051614.D (-1556) (-)
 Ion 72.00 (71.70 to 72.70): VN051614.D (-1556) (-)

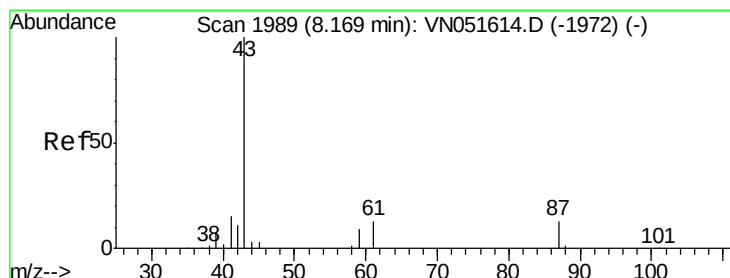
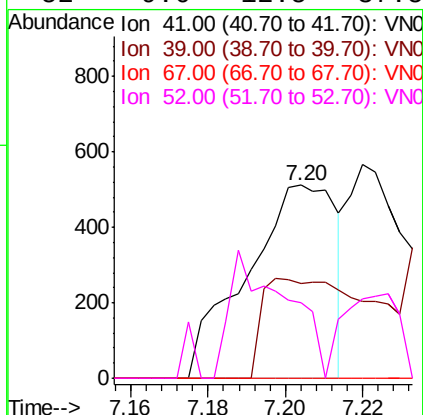
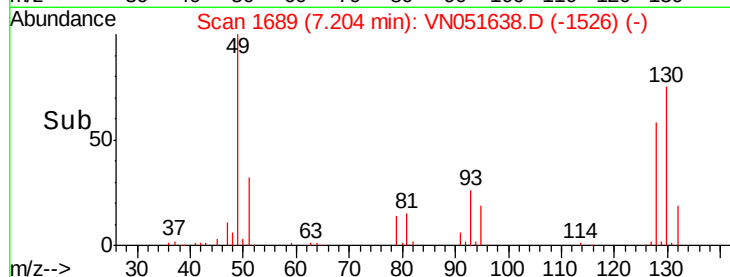
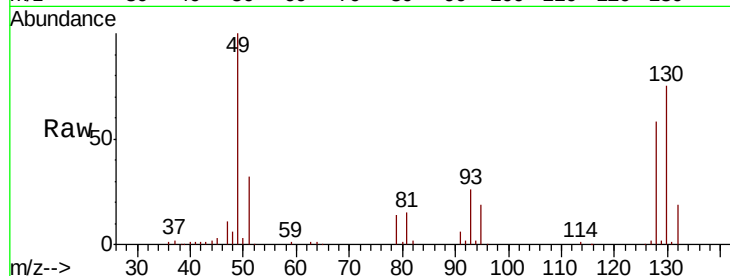




#35
Methacrylonitrile
Concen: 0.336 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

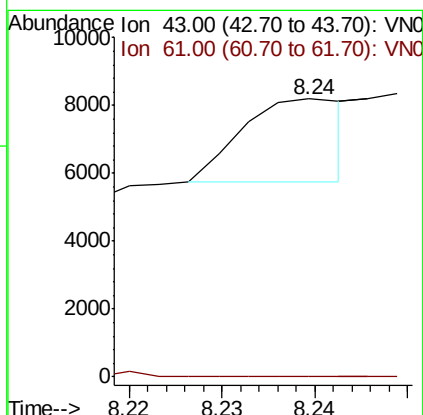
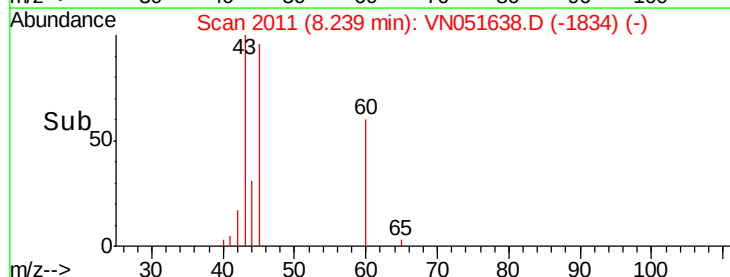
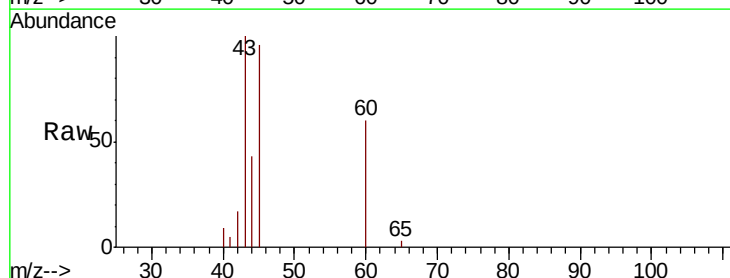
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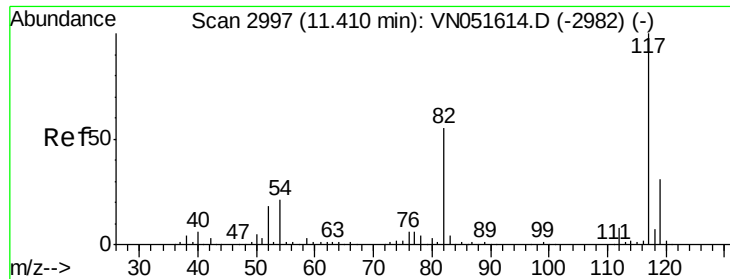
Tot Ion: 41 Resp: 822
Ion Ratio Lower Upper
41 100
39 48.9 25.6 76.8
67 0.0 29.4 88.2#
52 9.6 12.5 37.5#



#44
Isopropyl Acetate
Concen: 0.208 ug/l
RT: 8.24 min Scan# 2011
Delta R.T. 0.07 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.0

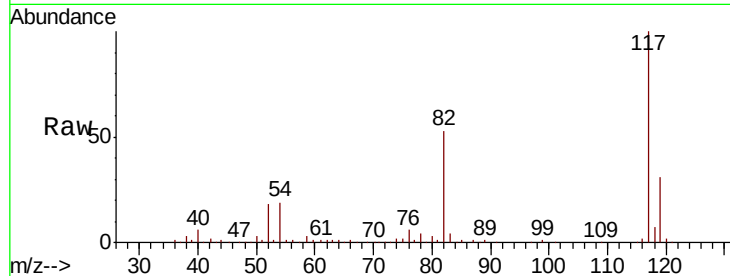




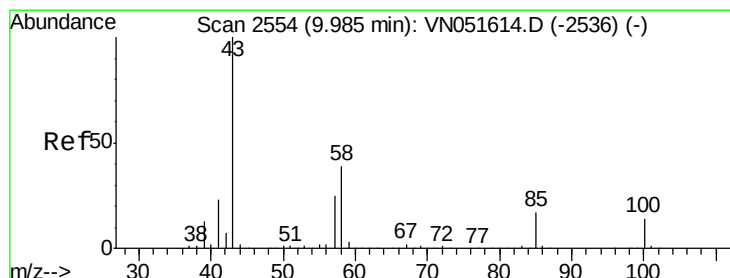
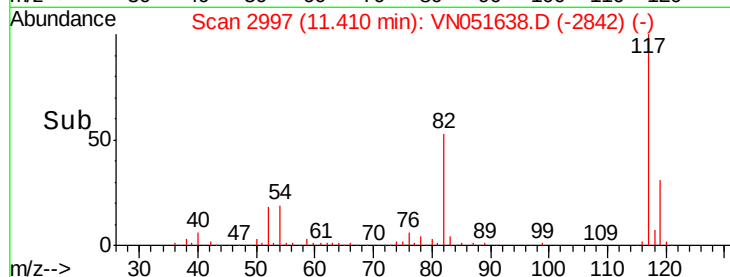
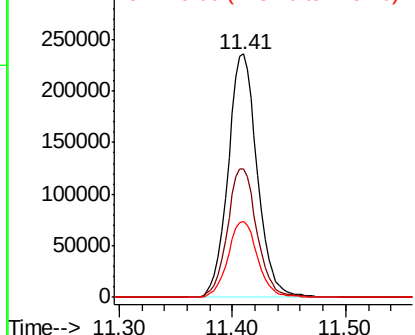
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)

Tot Ion:117 Resp: 422349
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 31.8 25.2 37.8

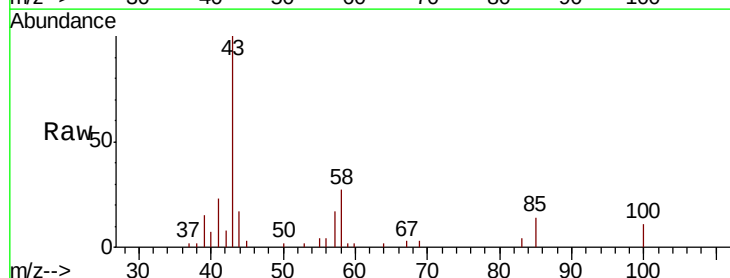


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

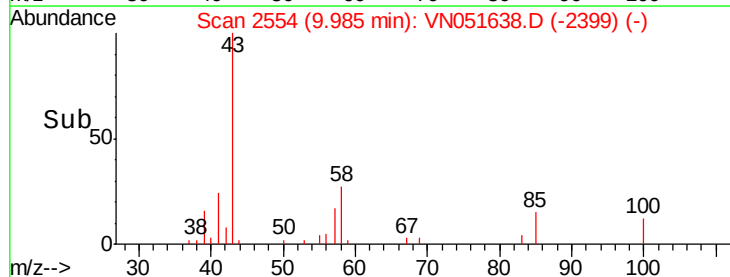
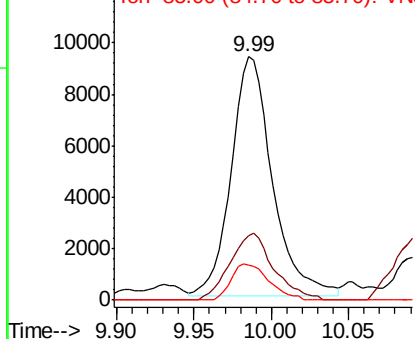


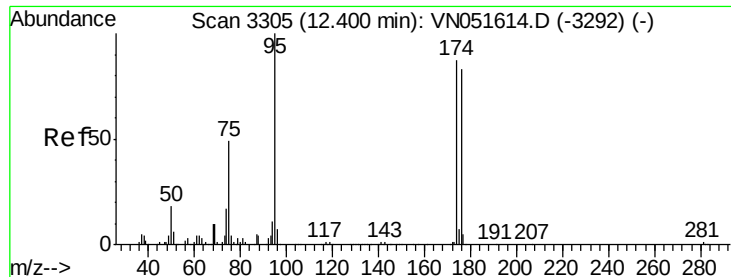
#58
4-Methyl-2-Pentanone
Concen: 3.597 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion: 43 Resp: 17248
Ion Ratio Lower Upper
43 100
58 29.4 31.0 46.4#
85 13.7 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

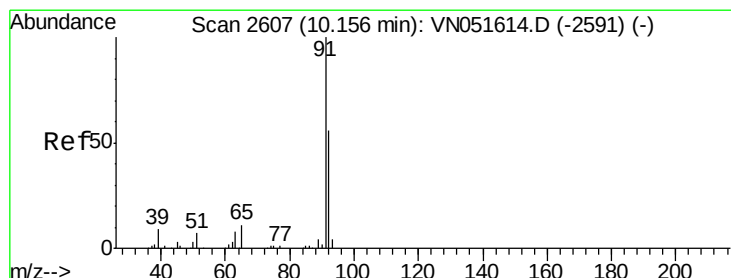
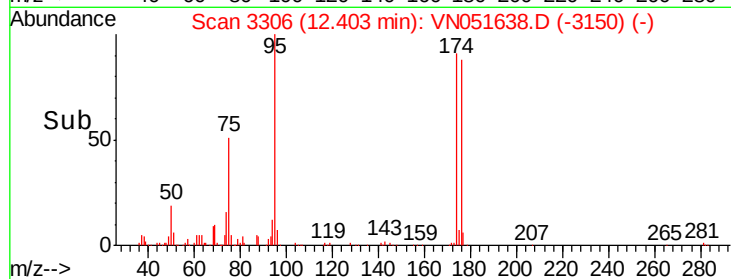
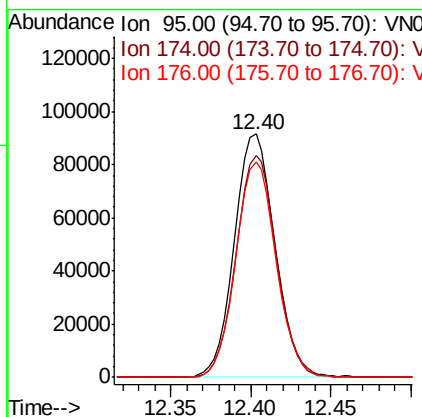
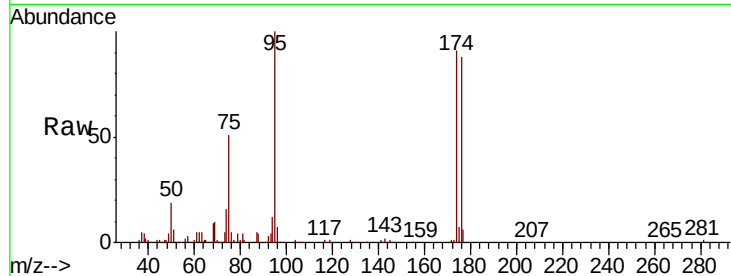




#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051638.D
 Acq: 1 Oct 2018 15:17

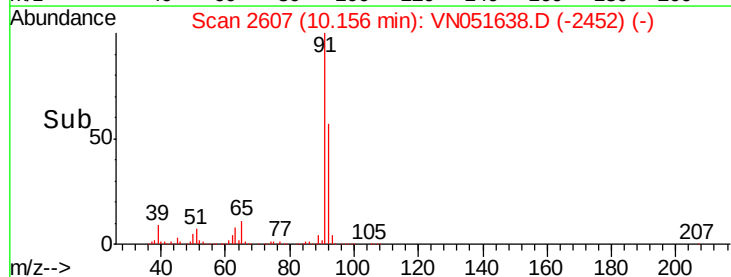
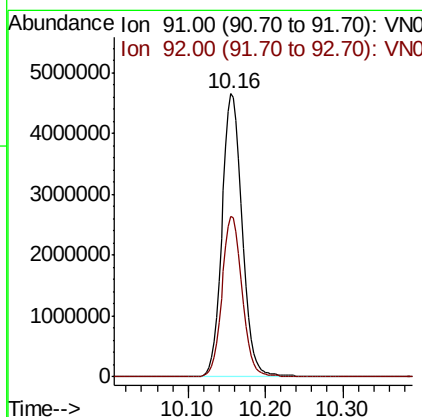
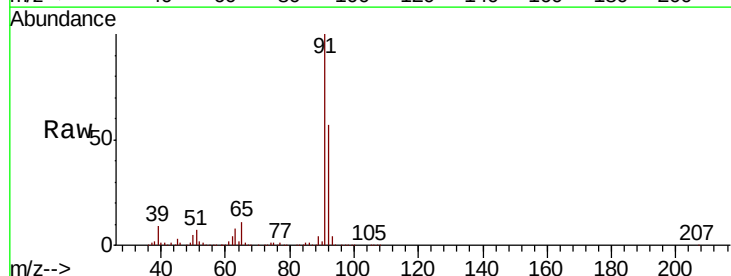
Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)

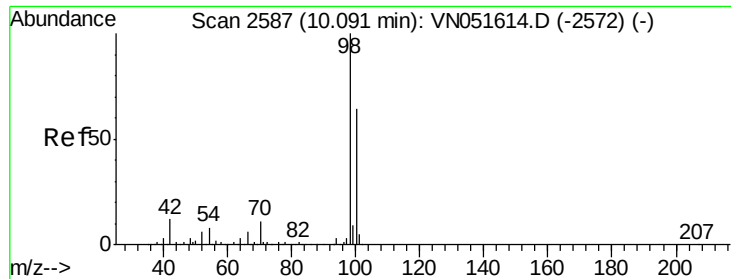
Tot Ion: 95 Resp: 158437
 Ion Ratio Lower Upper
 95 100
 174 90.8 71.2 106.8
 176 87.8 67.8 101.8



#62
 Toluene
 Concen: 327.667 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051638.D
 Acq: 1 Oct 2018 15:17

Tgt Ion: 91 Resp: 8485665
 Ion Ratio Lower Upper
 91 100
 92 56.6 45.3 67.9

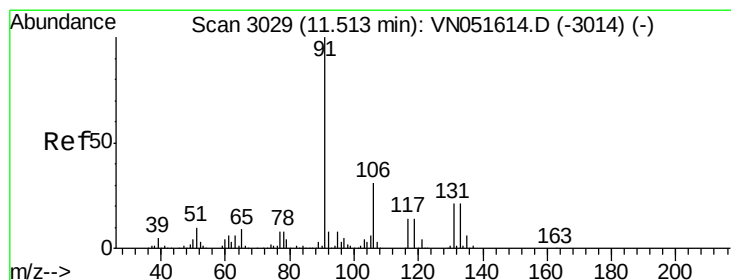
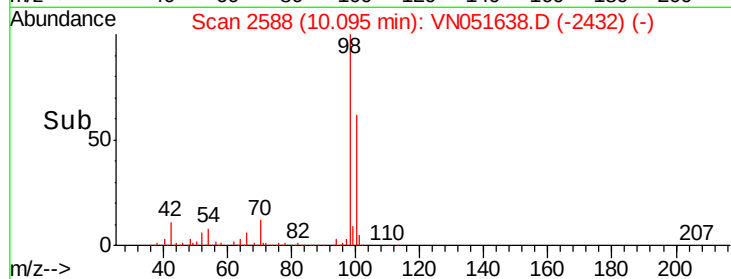
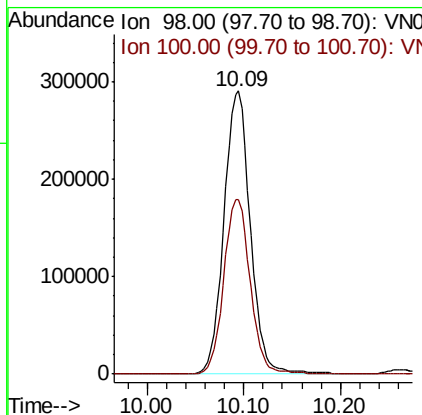
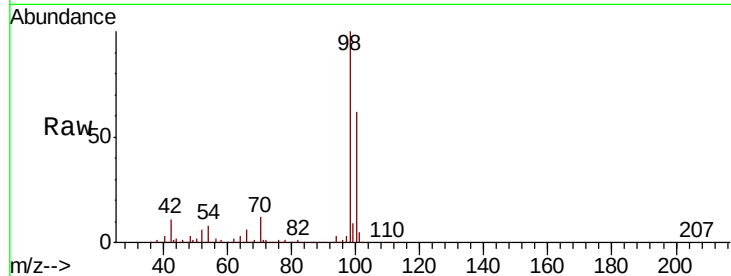




#63
Toluene-d8
Concen: 327.667 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

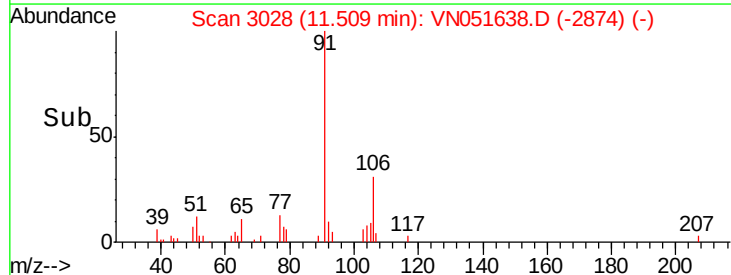
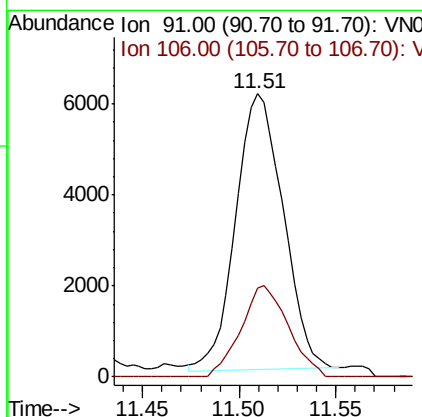
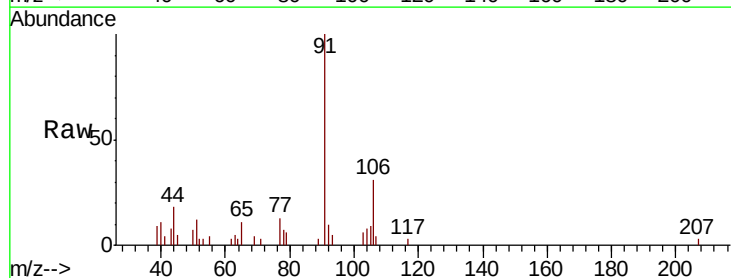
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)

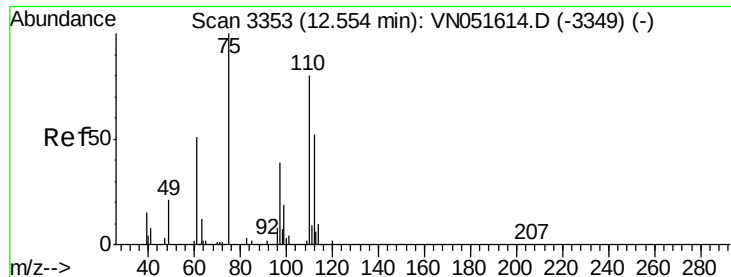
Tot Ion: 98 Resp: 550865
Ion Ratio Lower Upper
98 100
100 61.7 51.4 77.0



#66
Ethyl Benzene
Concen: 0.390 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion: 91 Resp: 10344
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4





#72

1,2,3-Trichloropropane

Concen: 14.702 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051638.D

Acq: 1 Oct 2018 15:17

Instrument :

MSVOA_N

ClientSampleId :

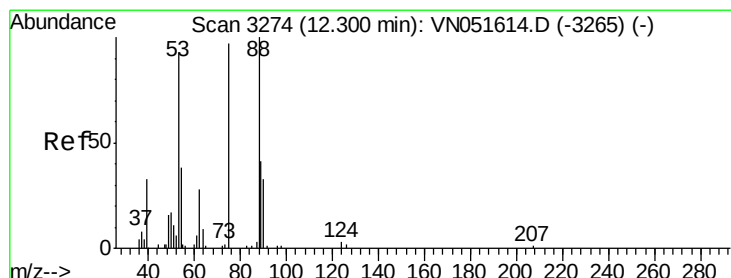
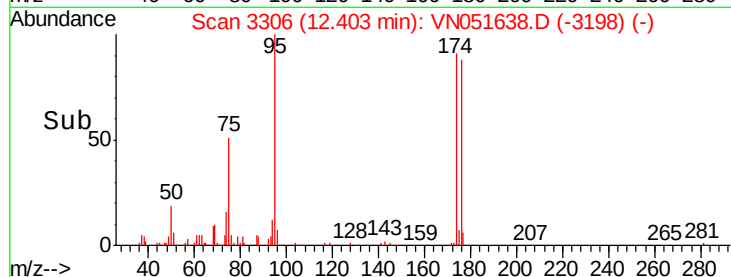
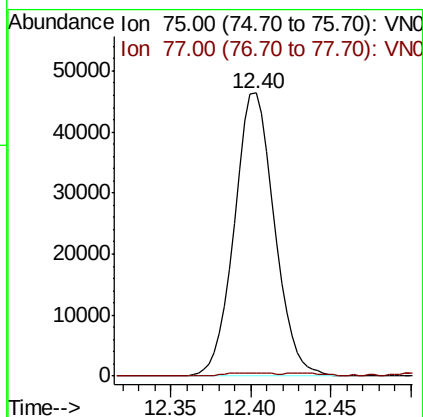
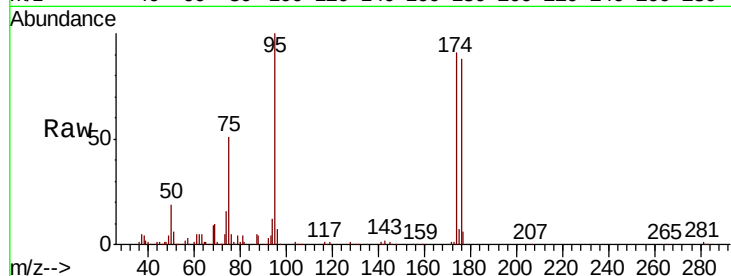
002M-35TH-AVE(SEP)

Tot Ion: 75 Resp: 79100

Ion Ratio Lower Upper

75 100

77 1.3 0.0 492.2



#77

t-1,4-Dichloro-2-butene

Concen: 46.419 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051638.D

Acq: 1 Oct 2018 15:17

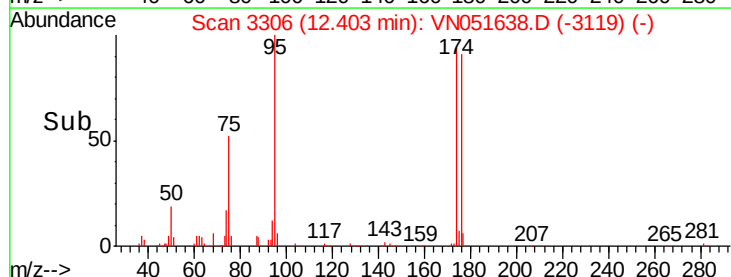
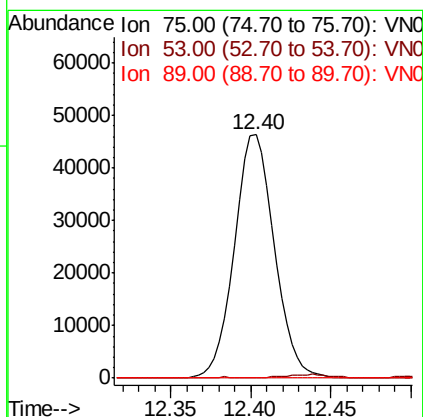
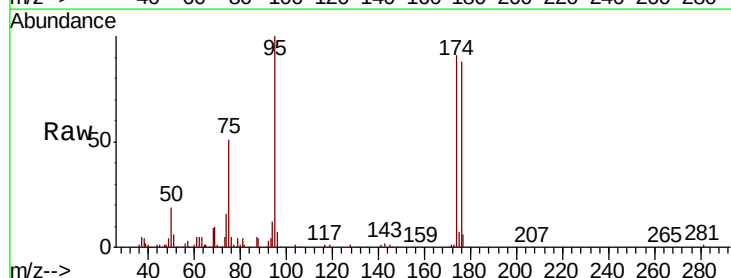
Tgt Ion: 75 Resp: 79100

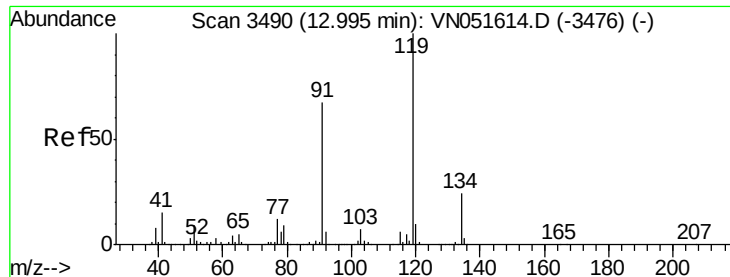
Ion Ratio Lower Upper

75 100

53 0.4 48.1 144.4#

89 0.0 22.4 67.3#

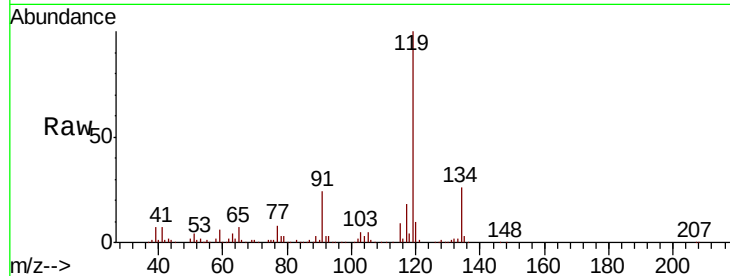




#79
tert-butylbenzene
Concen: 9.520 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)

Tot Ion	Ratio	Lower	Upper
119	100		
91	24.4	0.0	132.4
134	26.6	0.0	48.4

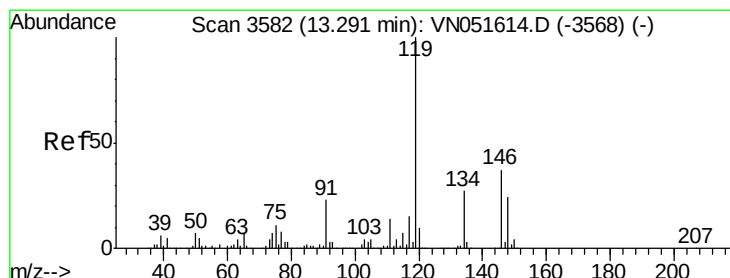
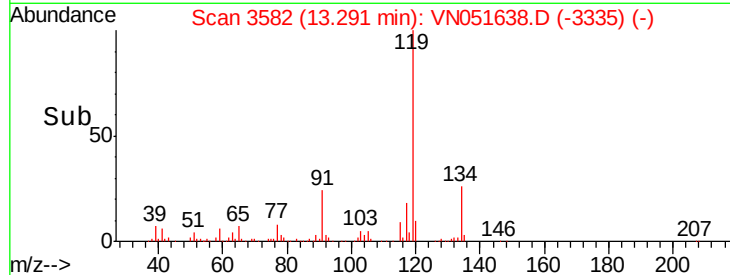
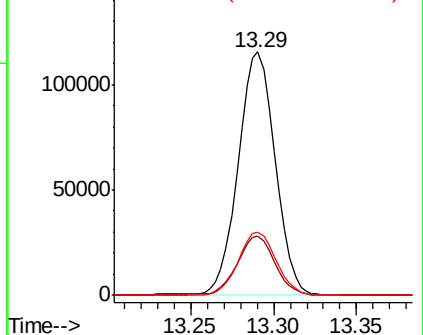


Abundance

Ion 119.00 (118.70 to 119.70): V

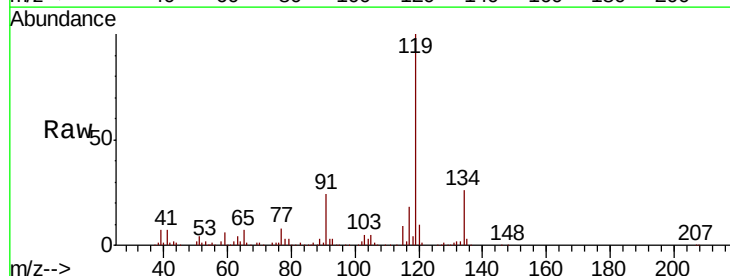
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#82
p-Isopropyltoluene
Concen: 8.063 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051638.D
Acq: 1 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.0
91	24.4	0.0	46.0

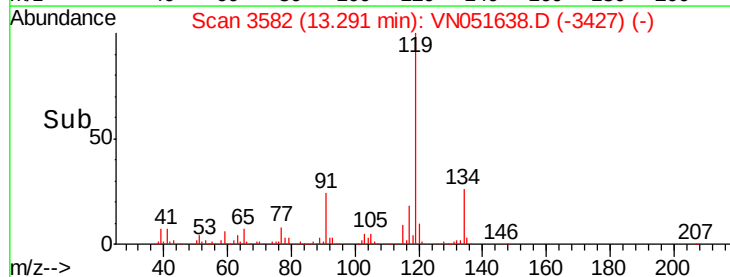
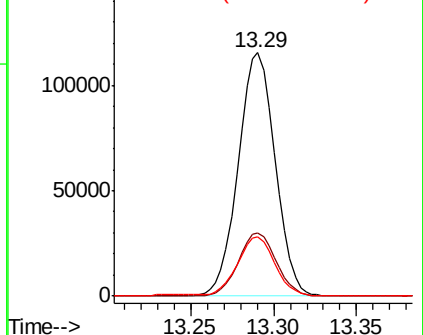


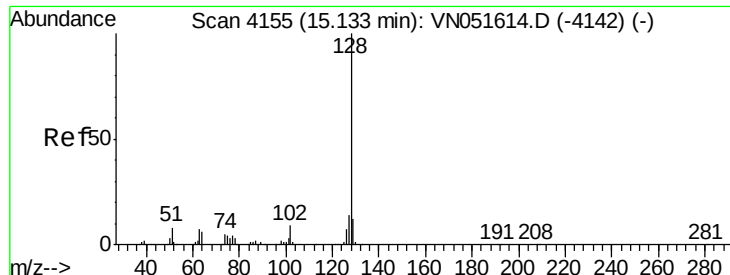
Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#91

Naphthalene

Concen: 8.332 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051638.D

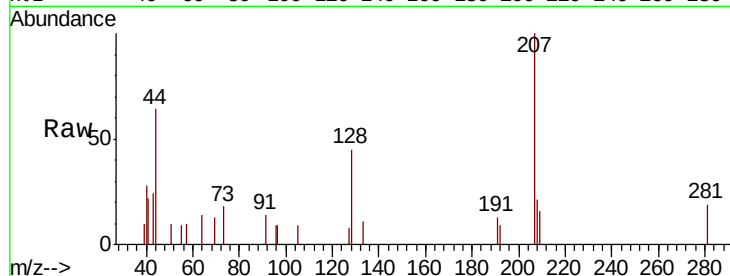
Acq: 1 Oct 2018 15:17

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)



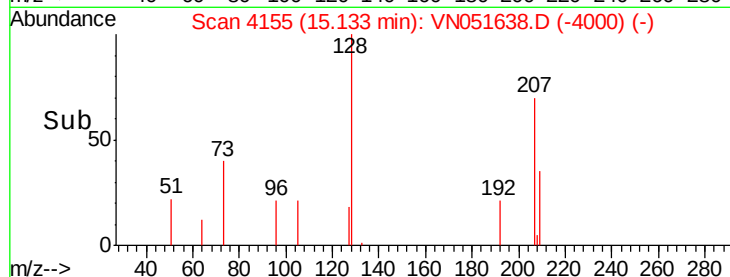
Tot Ion:128 Resp: 901

Ion Ratio Lower Upper

128 100

127 11.0 10.8 16.2

129 0.0 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

