

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051971.D
 Acq On : 23 Oct 2018 19:05
 Operator : MD\SY
 Sample : J5643-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 07:30:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	148809	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	863410	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	754629	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	281603	31.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.67%
60) 4-Bromofluorobenzene	12.40	95	299147	27.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.63%
63) Toluene-d8	10.09	98	968218	29.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.50%

Target Compounds

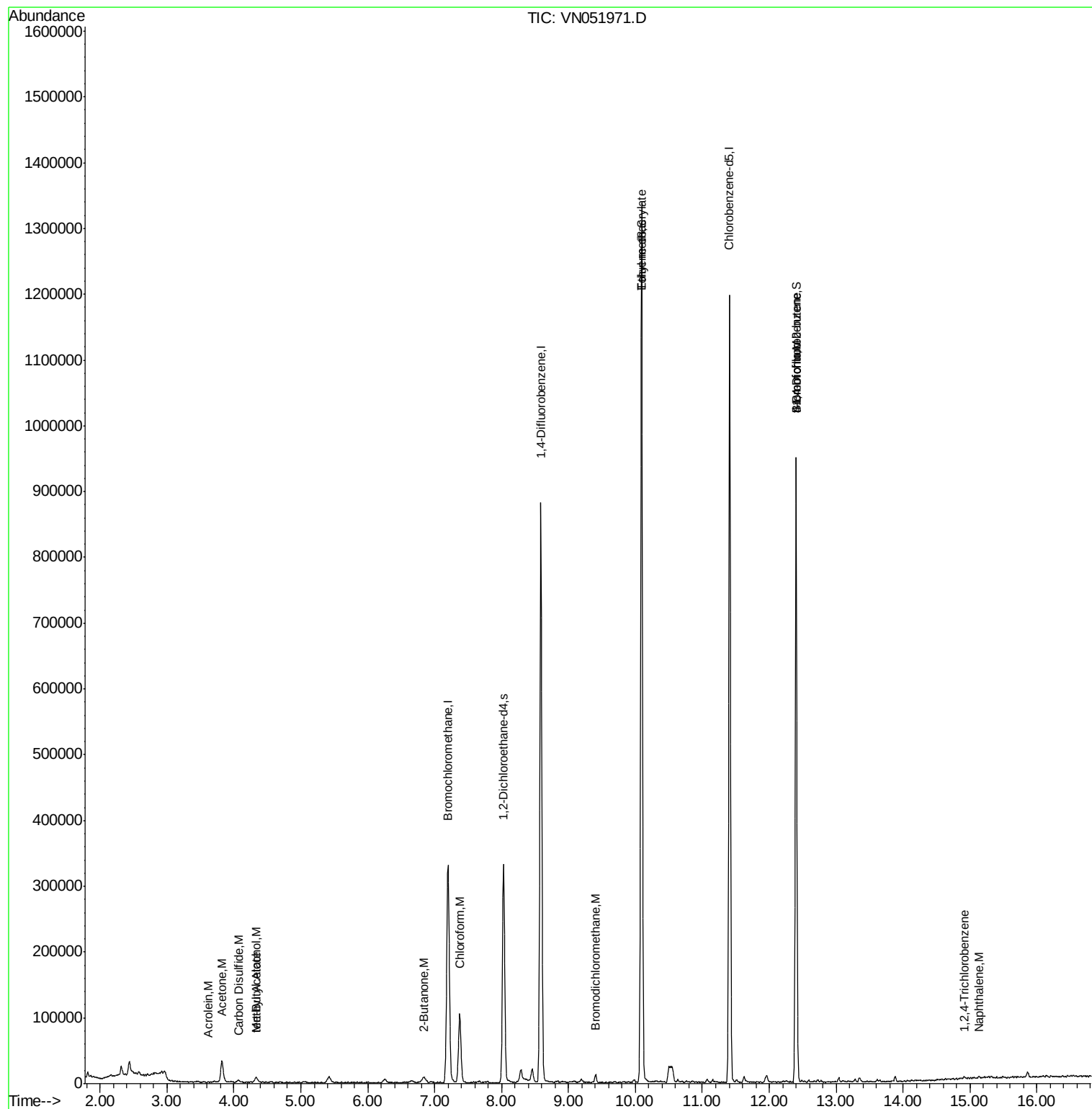
					Ovalue	
12) Methyl Acetate	4.33	43	8781	2.064	ug/l #	72
13) Acrolein	3.63	56	181	0.646	ug/l	86
15) Acetone	3.82	58	17064	36.303	ug/l	85
16) Carbon Disulfide	4.06	76	3921	0.218	ug/l #	70
23) tert-Butyl Alcohol	4.33	59	705	1.408	ug/l #	100
25) Chloroform	7.37	83	110886	7.384	ug/l	93
30) 2-Butanone	6.84	43	7224	3.106	ug/l #	60
41) Bromodichloromethane	9.41	83	7498	0.631	ug/l	96
51) Ethyl methacrylate	10.09	69	2741	0.301	ug/l	97
56) Bromoform	12.40	173	3016	0.465	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	146890	64.738	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.92	180	315	7.753	ug/l #	32
91) Naphthalene	15.13	128	2225	8.621	ug/l #	72

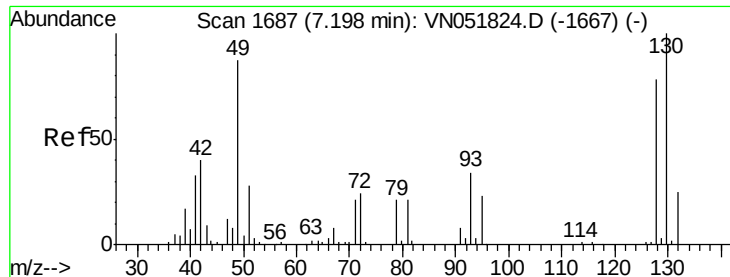
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

Instrument :

MSVOA_N

ClientSampled :

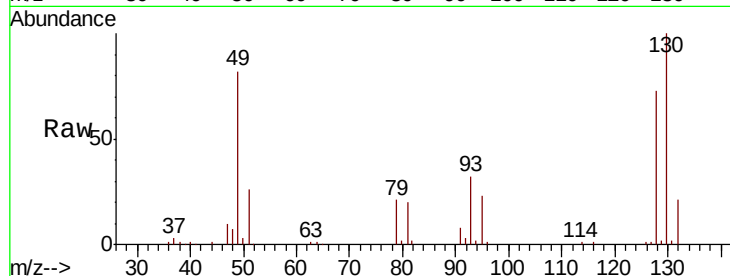
Tot Ion:128 Resp: 148809

Ion Ratio Lower Upper

128 100

49 109.7 0.0 403.3

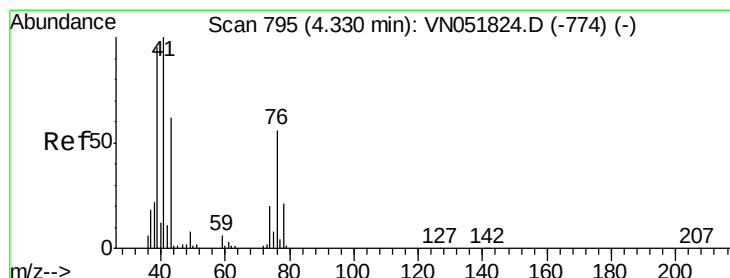
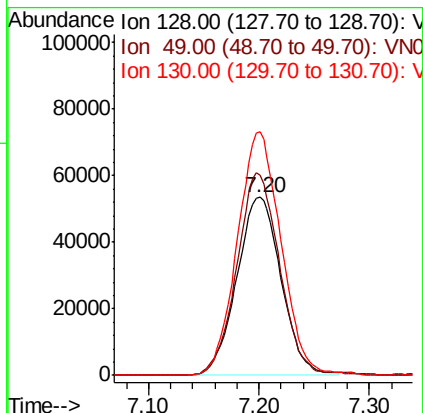
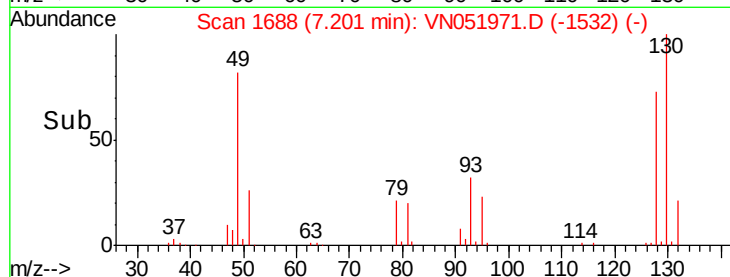
130 134.6 0.0 326.0



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: 2.064 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051971.D

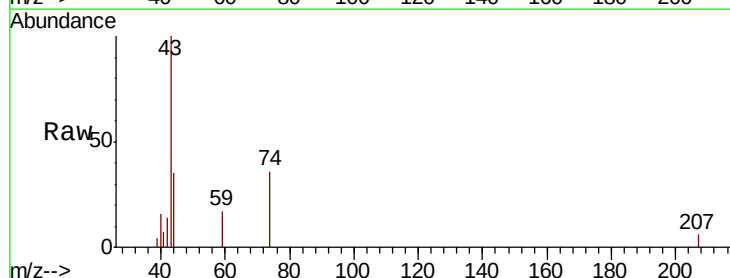
Acq: 23 Oct 2018 19:05

Tgt Ion: 43 Resp: 8781

Ion Ratio Lower Upper

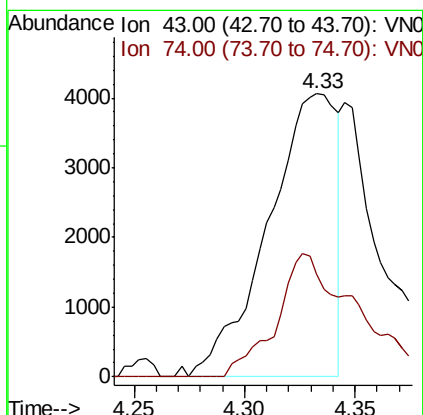
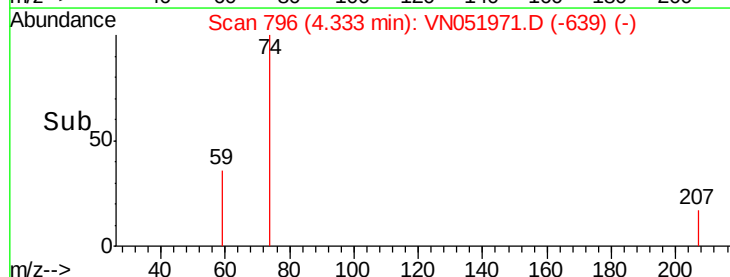
43 100

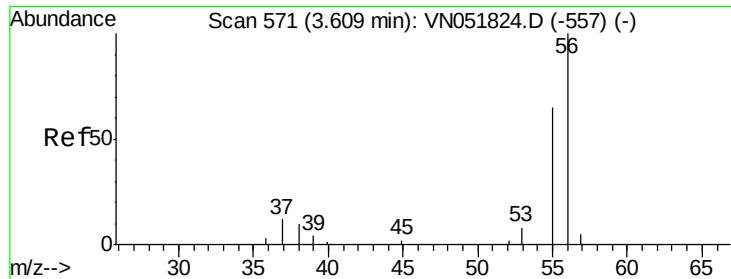
74 41.8 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

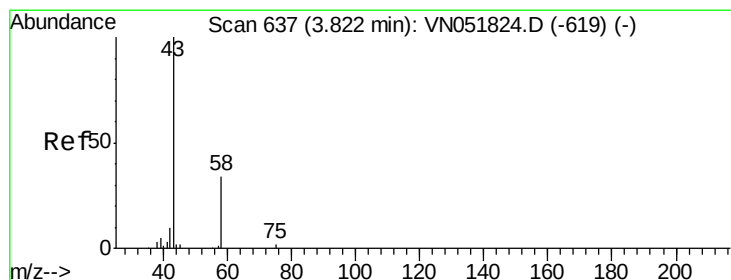
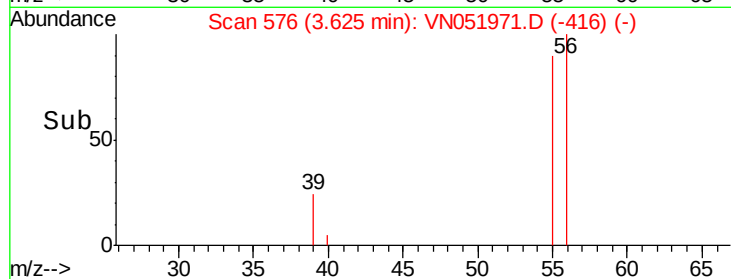
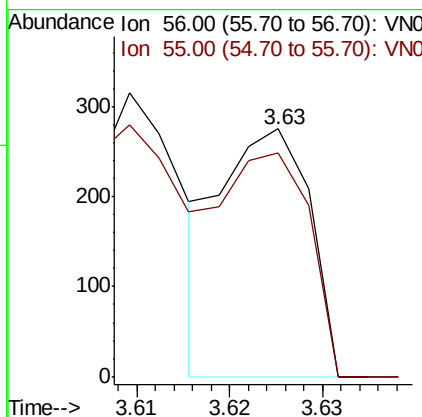
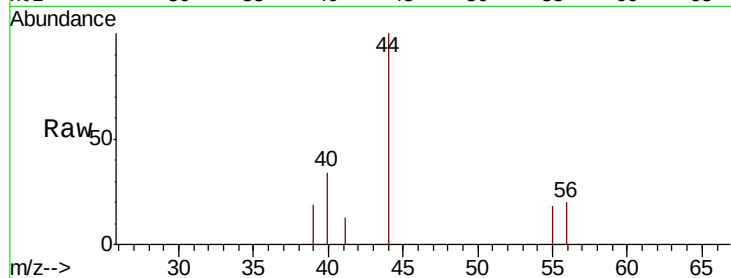




#13
Acrolein
Concen: 0.646 ug/l
RT: 3.63 min Scan# 576
Delta R.T. 0.02 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

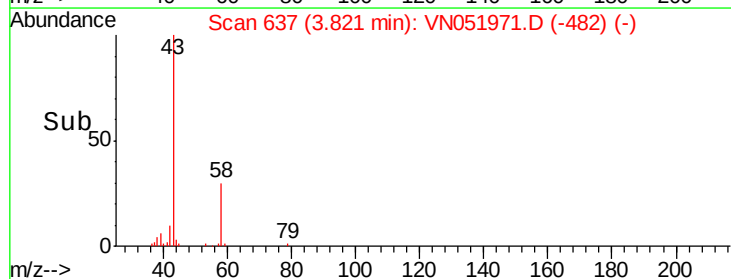
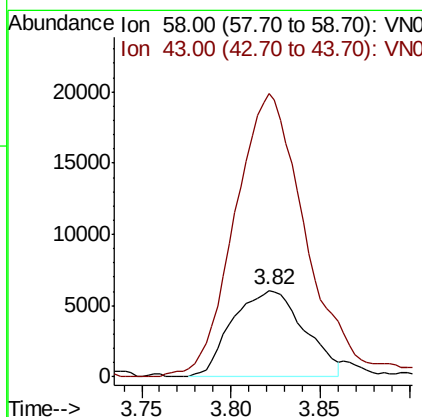
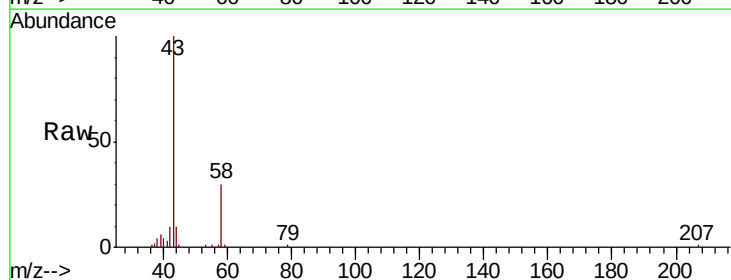
Instrument :
MSVOA_N
ClientSampled :

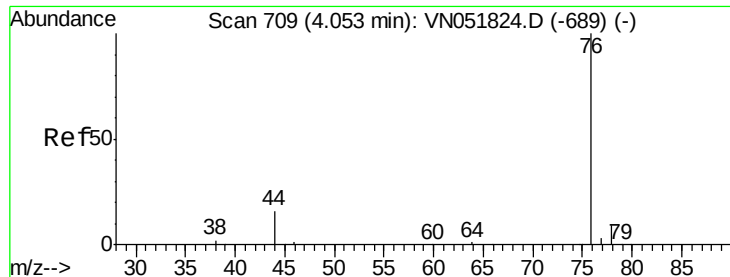
Tot Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 92.3 64.0 96.0



#15
Acetone
Concen: 36.303 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Tgt Ion: 58 Resp: 17064
Ion Ratio Lower Upper
58 100
43 319.2 232.2 348.2

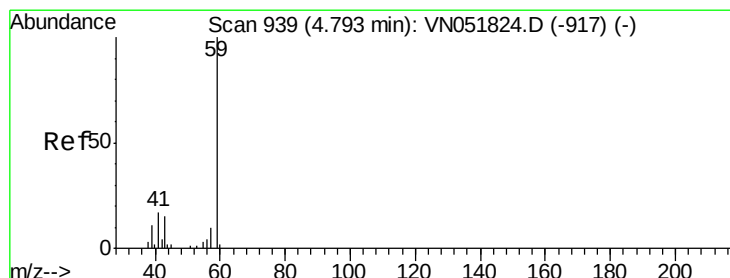
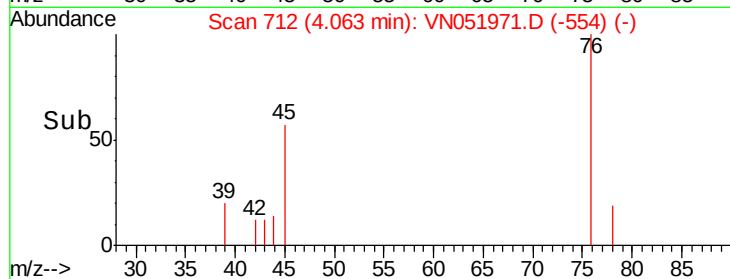
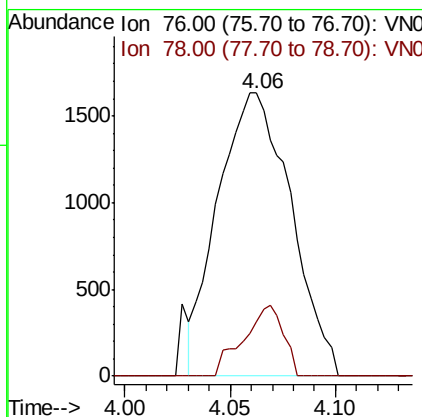
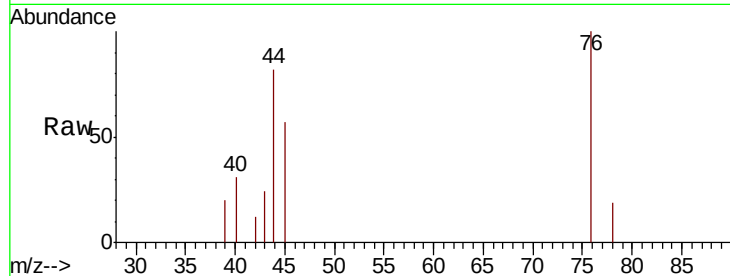




#16
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

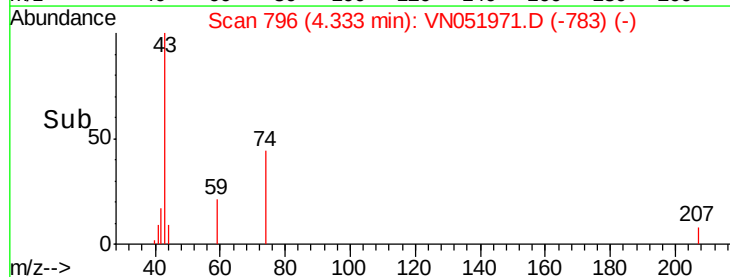
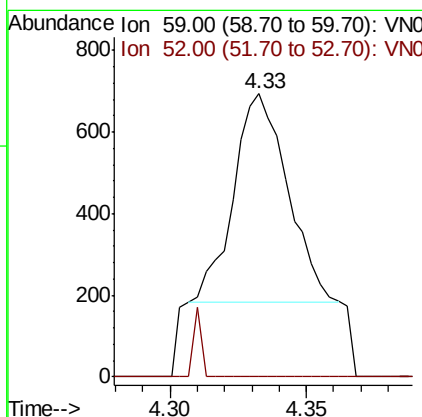
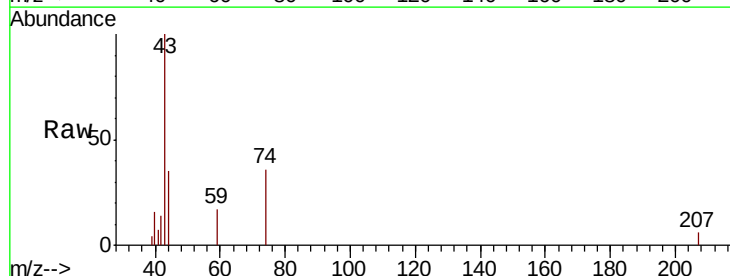
Instrument :
MSVOA_N
ClientSampled :

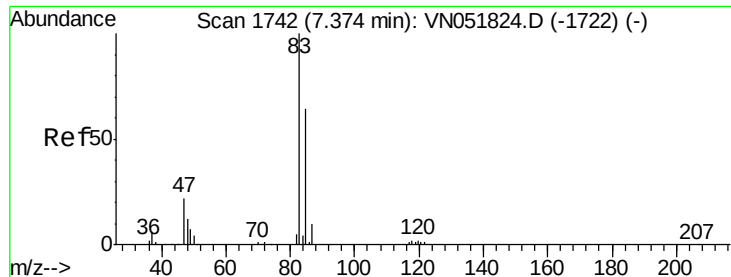
Tot Ion: 76 Resp: 3921
Ion Ratio Lower Upper
76 100
78 19.2 6.7 10.1#



#23
tert-Butyl Alcohol
Concen: 1.408 ug/l
RT: 4.33 min Scan# 796
Delta R.T. -0.46 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Tgt Ion: 59 Resp: 705
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

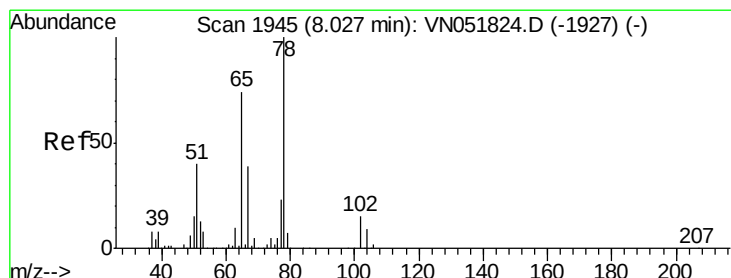
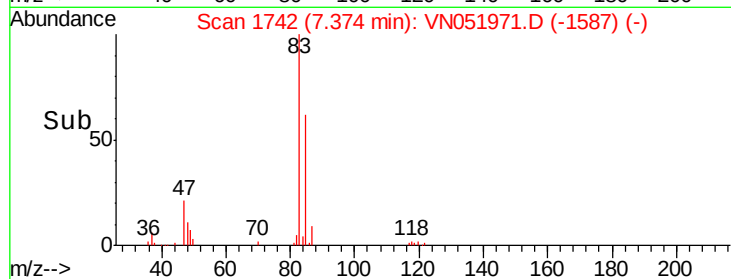
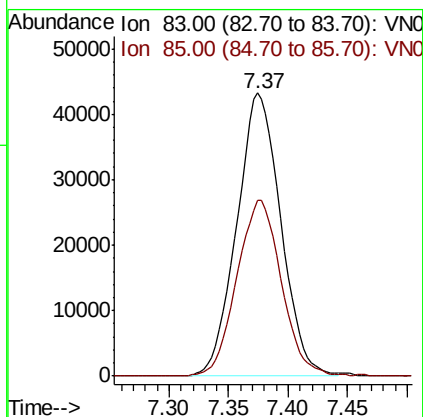
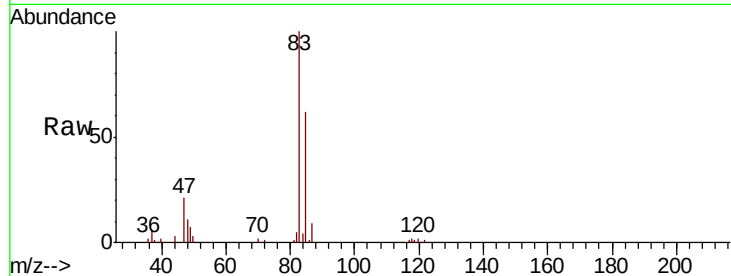




#25
Chloroform
Concen: 7.384 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

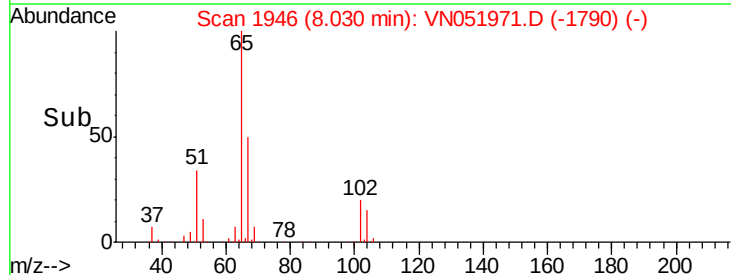
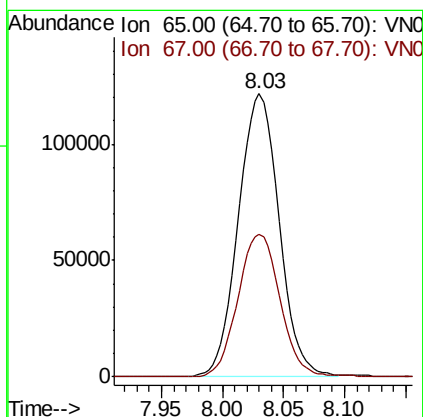
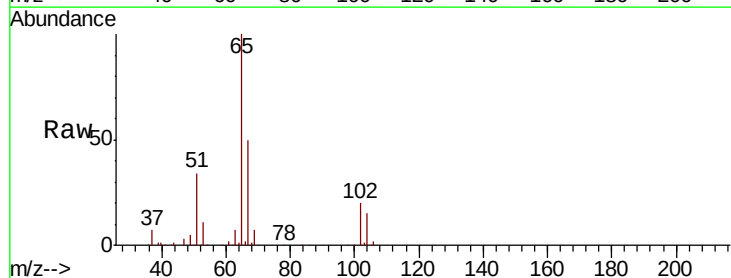
Instrument :
MSVOA_N
ClientSampleId :

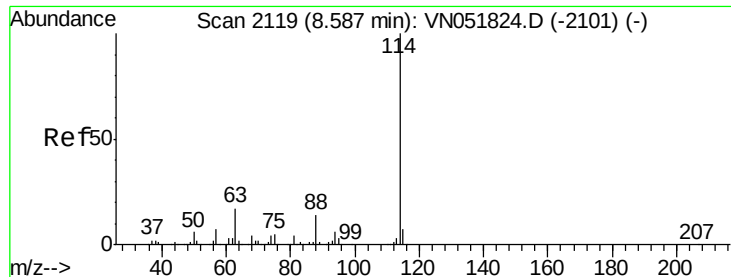
Tot Ion: 83 Resp: 110886
Ion Ratio Lower Upper
83 100
85 62.3 54.6 82.0



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Tgt Ion: 65 Resp: 281603
Ion Ratio Lower Upper
65 100
67 51.9 41.8 62.8

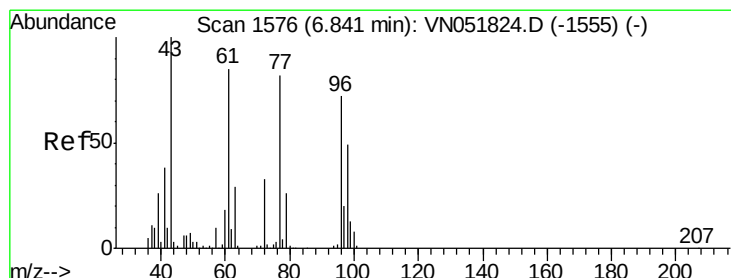
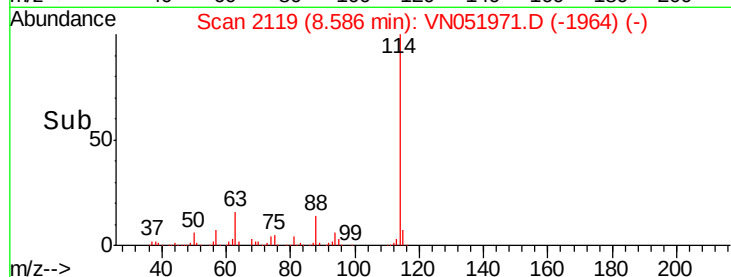
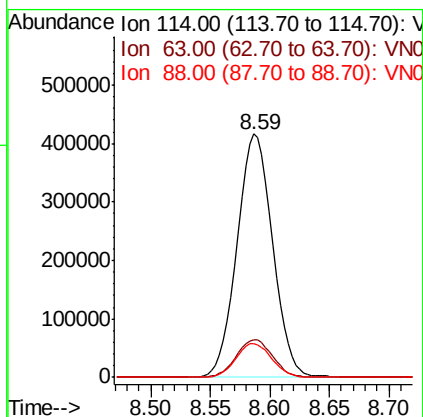
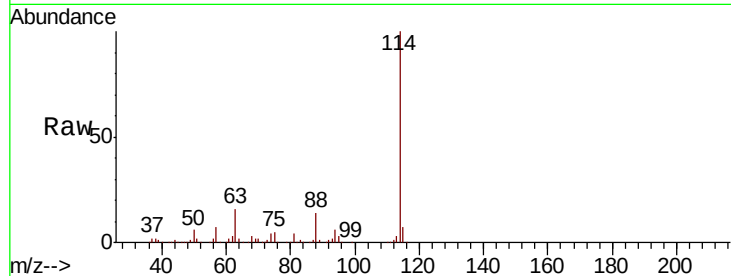




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051971.D
 Acq: 23 Oct 2018 19:05

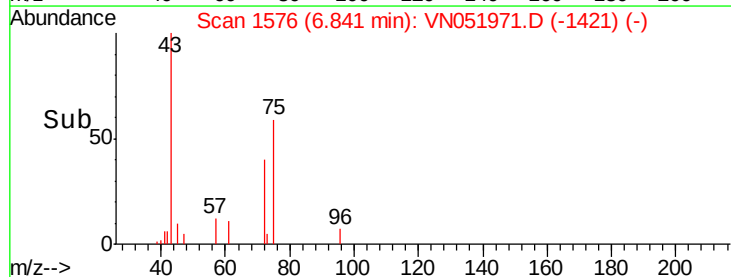
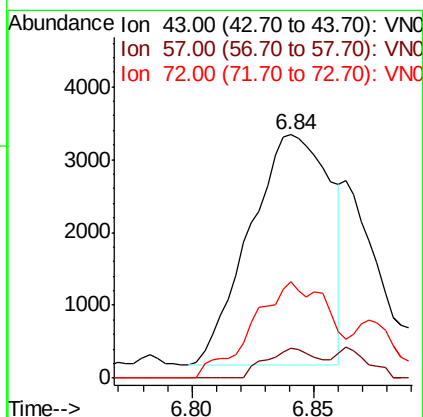
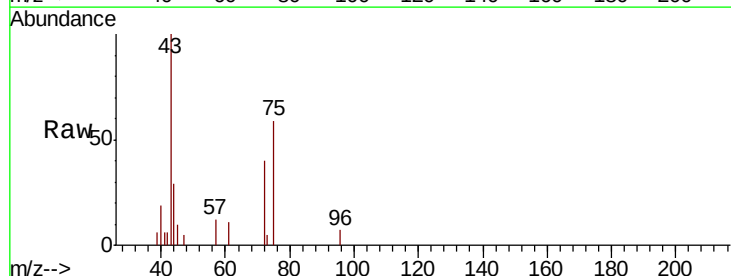
Instrument :
 MSVOA_N
 ClientSampled :

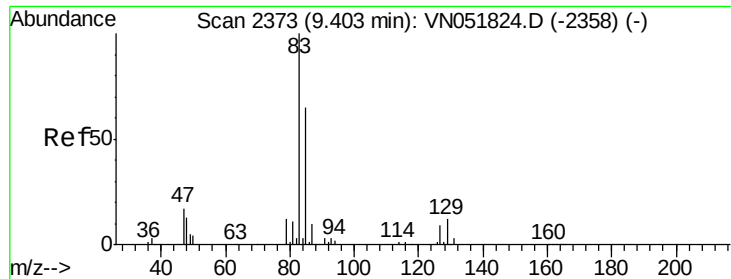
Tot Ion	Ratio	Lower	Upper
114	100		
63	15.9	16.2	24.2#
88	14.0	12.2	18.4



#30
 2-Butanone
 Concen: 3.106 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051971.D
 Acq: 23 Oct 2018 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	4.5	6.7#
72	2.4	21.5	32.3#





#41

Bromodichloromethane

Concen: 0.631 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

Instrument :

MSVOA_N

ClientSampled :

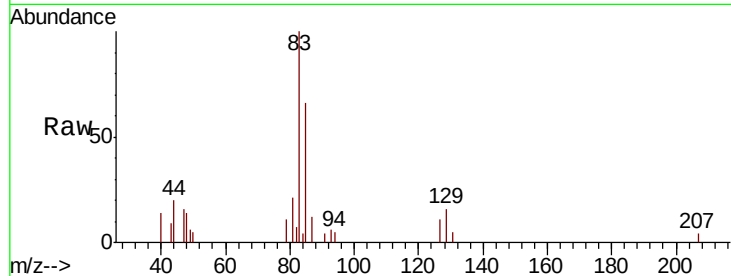
Tot Ion: 83 Resp: 7498

Ion Ratio Lower Upper

83 100

85 66.0 55.7 83.5

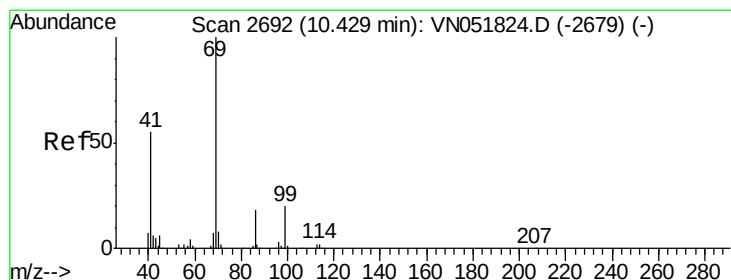
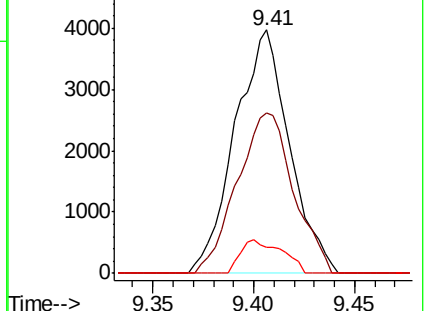
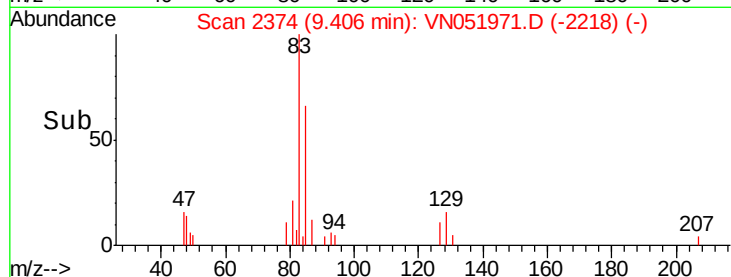
127 10.7 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#51

Ethyl methacrylate

Concen: 0.301 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.34 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

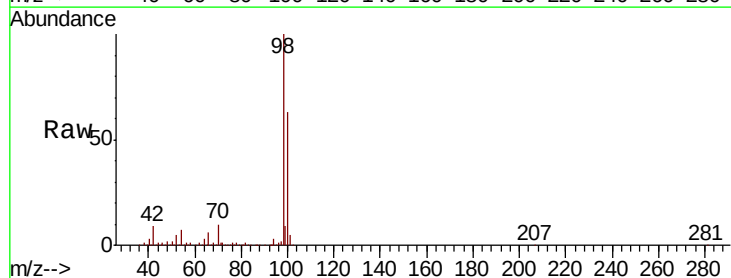
Tgt Ion: 69 Resp: 2741

Ion Ratio Lower Upper

69 100

41 68.2 34.4 103.1

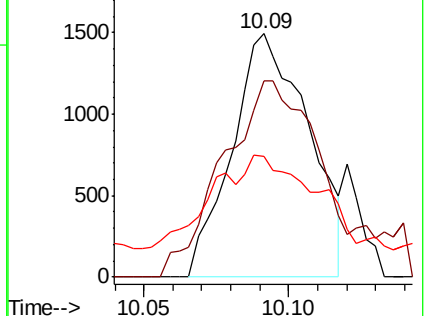
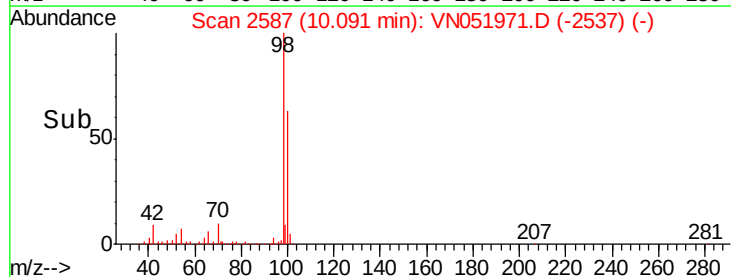
39 28.5 16.3 48.8

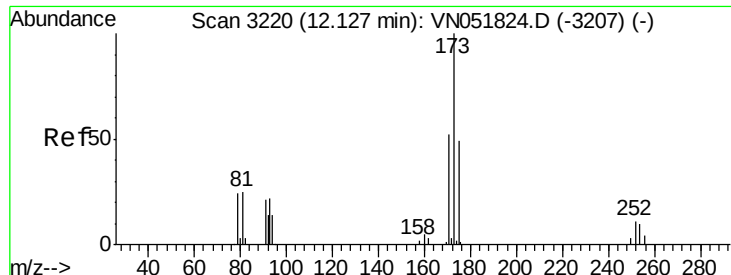


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

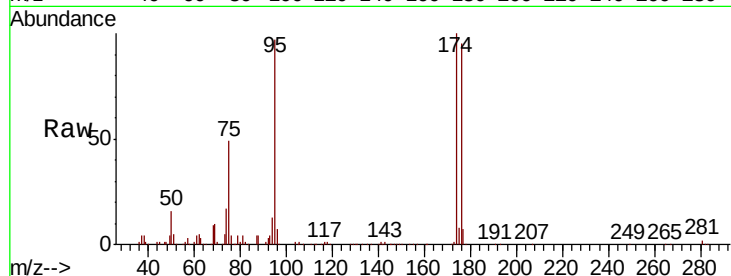




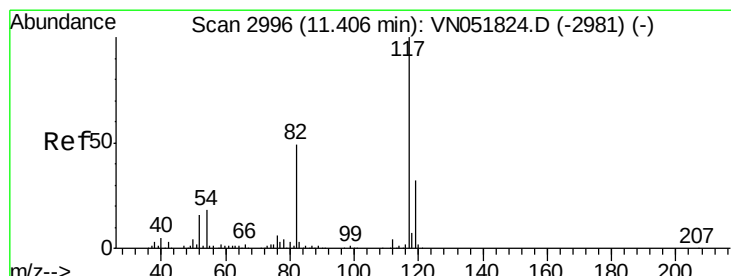
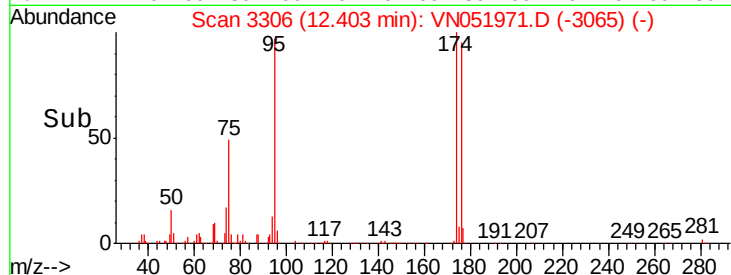
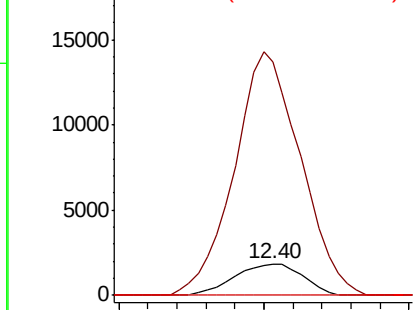
#56
Bromoform
Concen: 0.465 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 3016
Ion Ratio Lower Upper
173 100
175 751.5 35.8 53.8#
254 0.0 8.6 13.0#

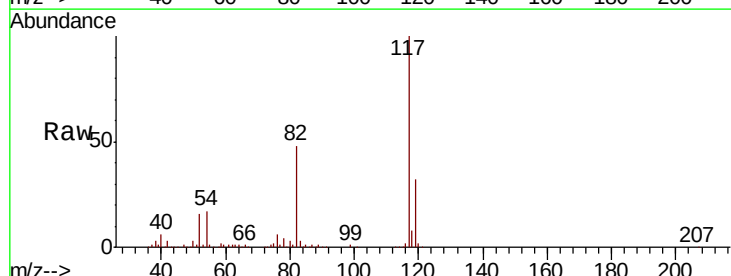


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

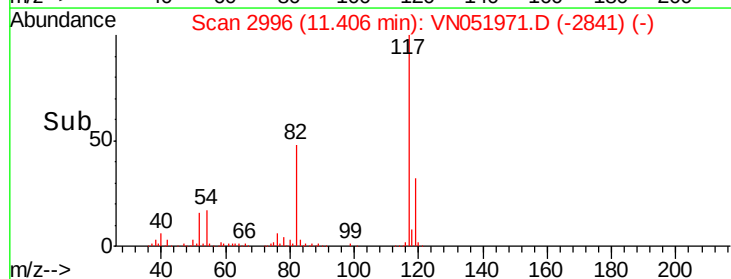
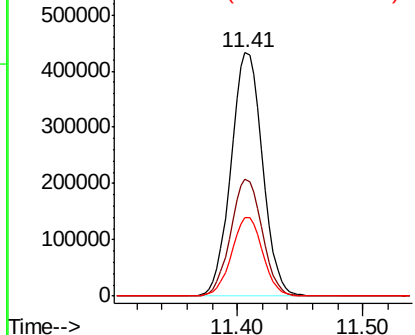


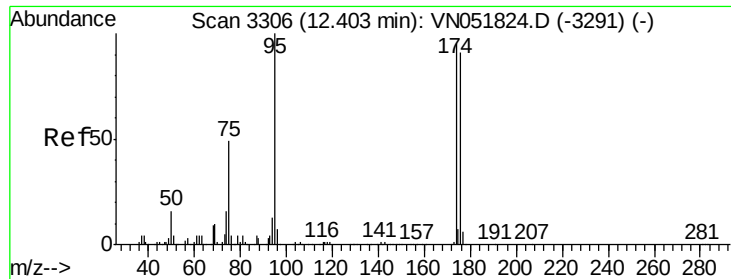
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Tgt Ion:117 Resp: 754629
Ion Ratio Lower Upper
117 100
82 48.1 44.1 66.1
119 32.1 25.8 38.8



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





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

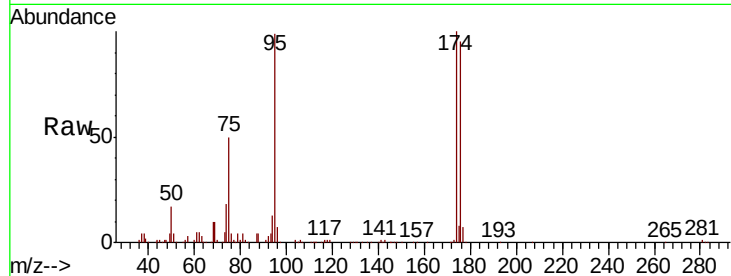
Tot Ion: 95 Resp: 299147

Ion Ratio Lower Upper

95 100

174 99.6 73.5 110.3

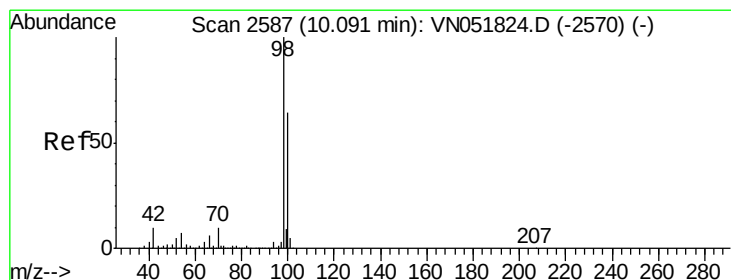
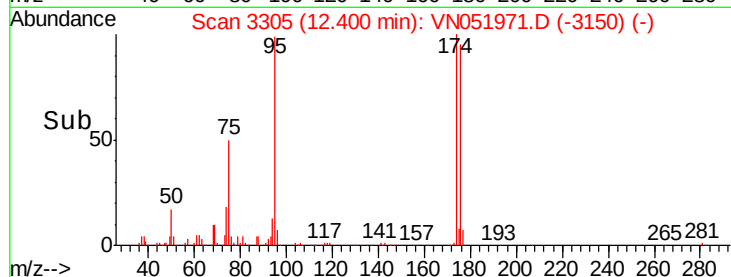
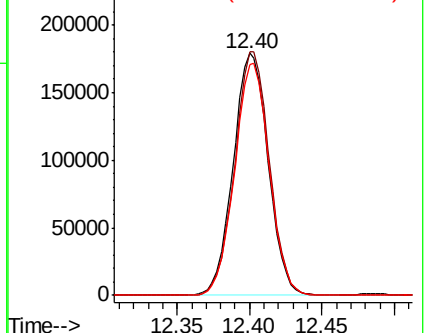
176 95.3 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN051824.D (-3291) (-)

Ion 174.00 (173.70 to 174.70): VN051824.D (-3291) (-)

Ion 176.00 (175.70 to 176.70): VN051824.D (-3291) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051971.D

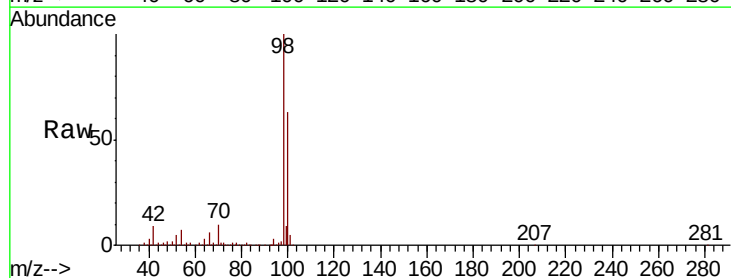
Acq: 23 Oct 2018 19:05

Tgt Ion: 98 Resp: 968218

Ion Ratio Lower Upper

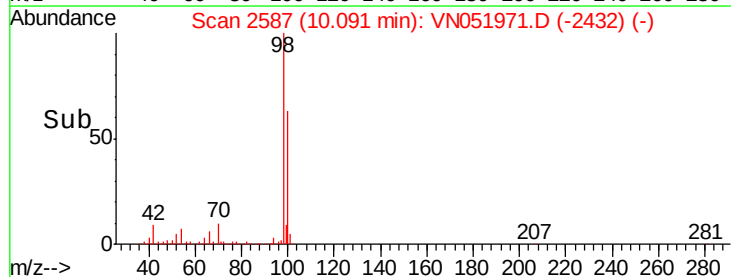
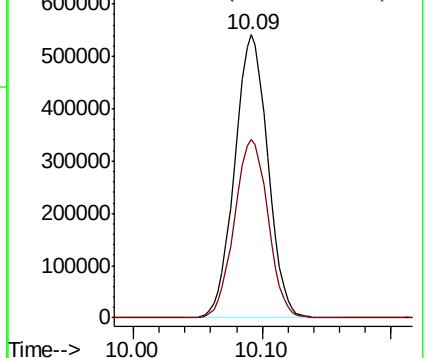
98 100

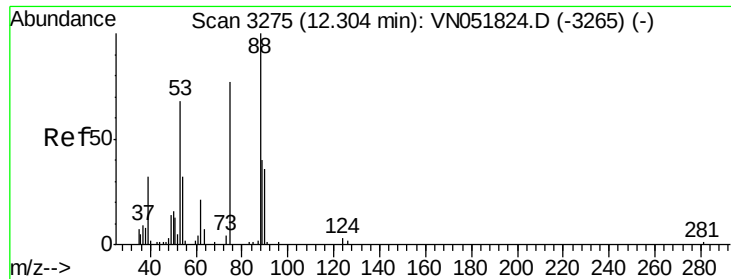
100 64.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 64.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

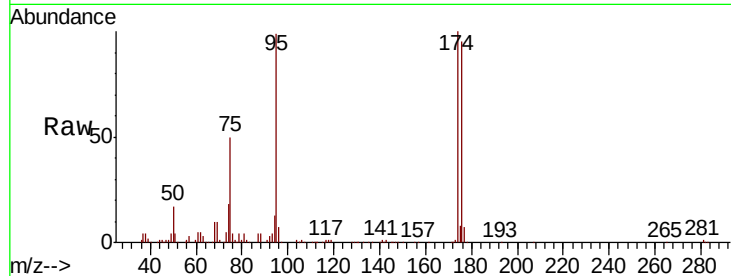
Tot Ion: 75 Resp: 146890

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

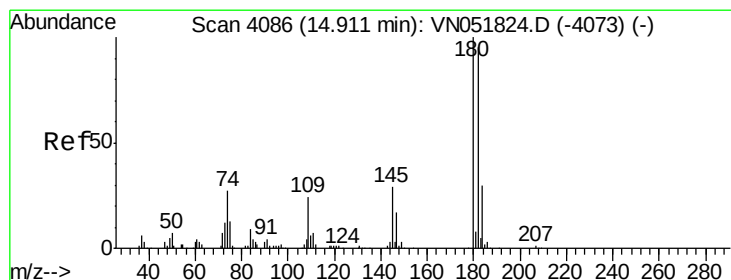
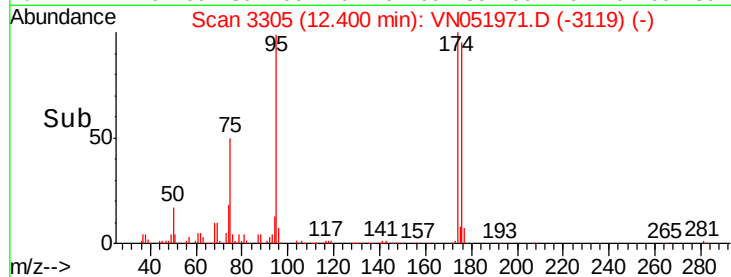
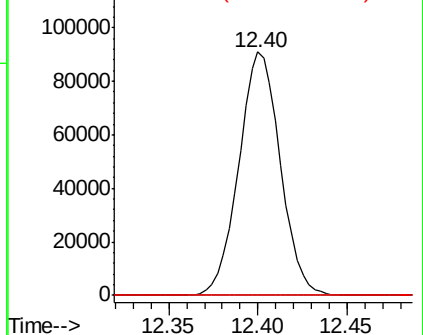
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN051971.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN051971.D (-3305) (-)

Ion 89.00 (88.70 to 89.70): VN051971.D (-3305) (-)



#89

1,2,4-Trichlorobenzene

Concen: 7.753 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN051971.D

Acq: 23 Oct 2018 19:05

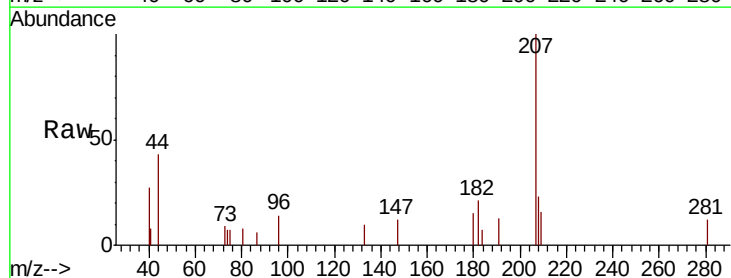
Tgt Ion: 180 Resp: 315

Ion Ratio Lower Upper

180 100

182 167.3 77.7 116.5#

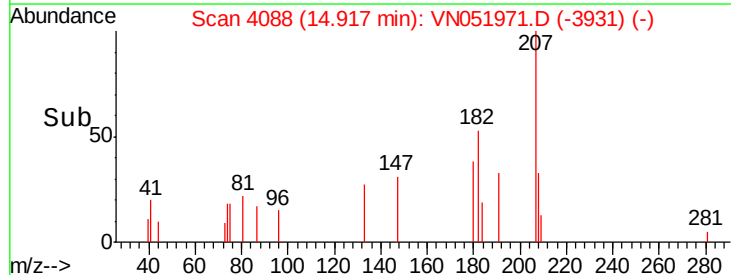
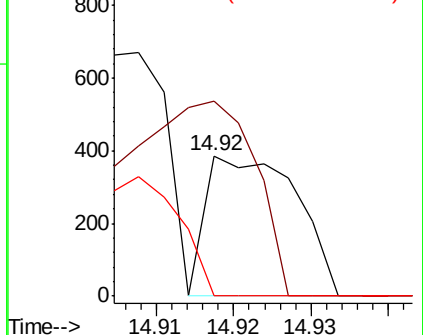
145 0.0 23.4 35.2#

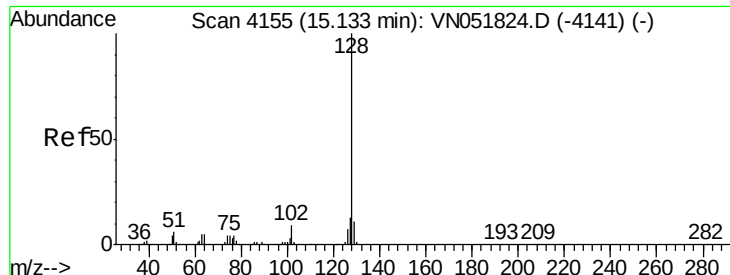


Abundance Ion 180.00 (179.70 to 180.70): VN051824.D (-4086) (-)

Ion 182.00 (181.70 to 182.70): VN051824.D (-4086) (-)

Ion 145.00 (144.70 to 145.70): VN051824.D (-4086) (-)

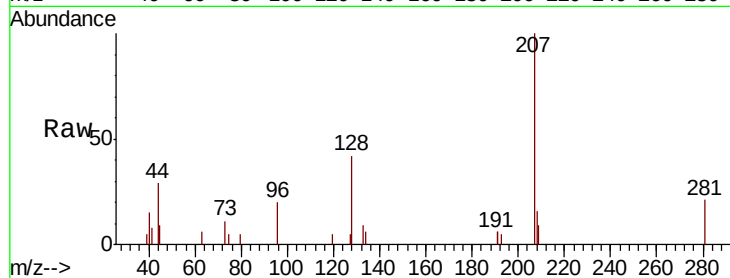




#91
Naphthalene
Concen: 8.621 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051971.D
Acq: 23 Oct 2018 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	1.4	10.1	15.1#
129	0.0	8.4	12.6#



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

