

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051037.D
 Acq On : 6 Sep 2018 17:18
 Operator : MD\SY
 Sample : J4815-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Sep 07 00:56:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	130367	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	655702	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	552966	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	255337	30.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.30%
60) 4-Bromofluorobenzene	12.40	95	186303	22.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.53%
63) Toluene-d8	10.09	98	767459	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

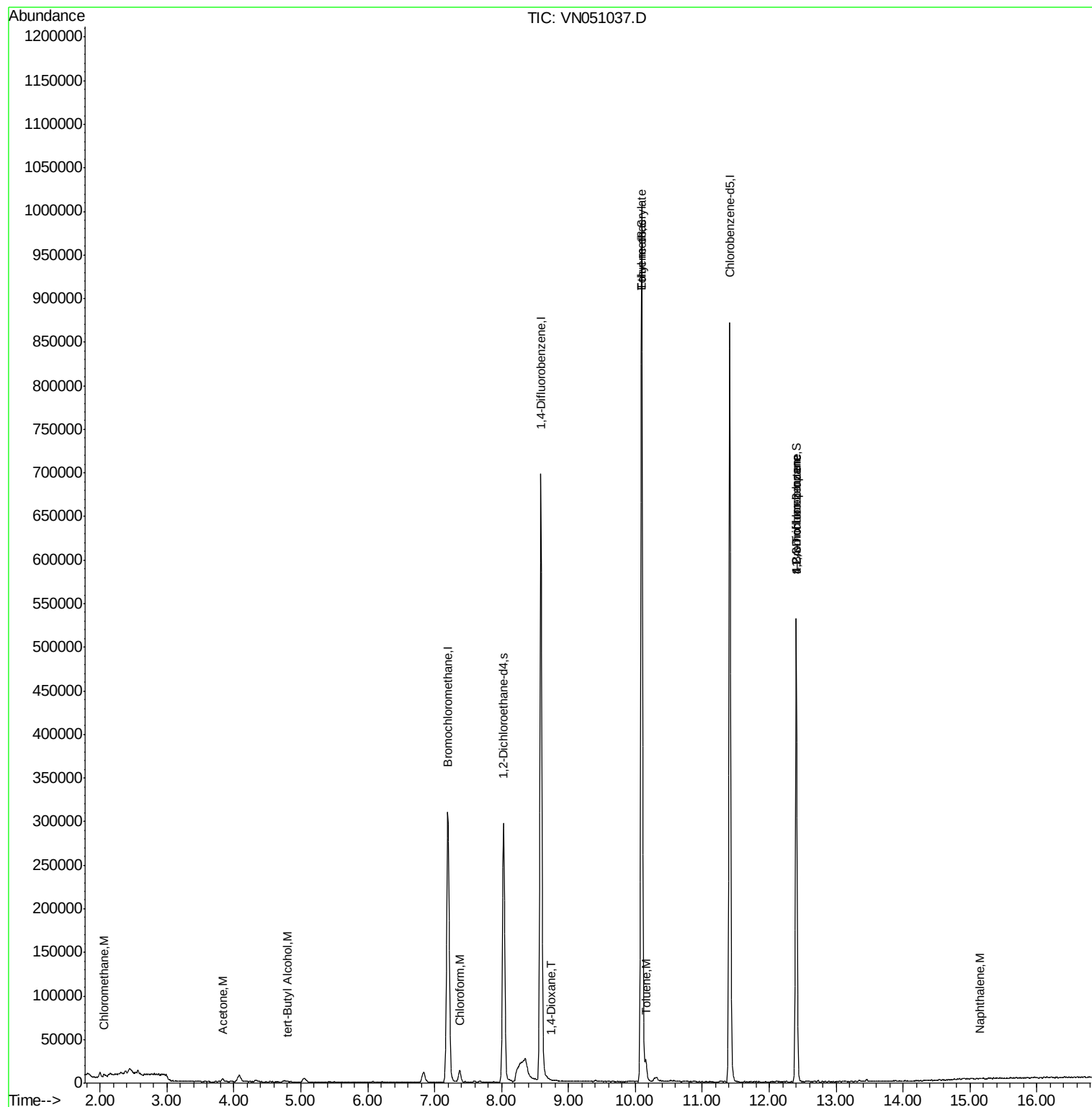
Target Compounds					Ovalue
3) Chloromethane	2.05	50	2349	0.25 ug/l	97
15) Acetone	3.82	58	1232	1.75 ug/l #	46
23) tert-Butyl Alcohol	4.81	59	526	0.90 ug/l #	100
25) Chloroform	7.38	83	14390	1.02 ug/l	99
45) 1,4-Dioxane	8.75	88	75	0.92 ug/l #	1
51) Ethyl methacrylate	10.10	69	2299	0.27 ug/l	93
62) Toluene	10.16	91	12351	0.40 ug/l	94
72) 1,2,3-Trichloropropane	12.40	75	86188	11.82 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	86188	41.49 ug/l #	13
91) Naphthalene	15.13	128	103	8.58 ug/l #	69

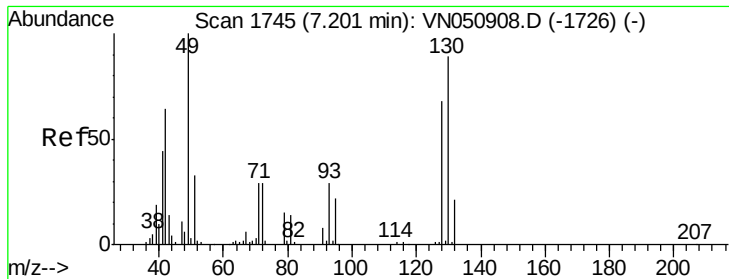
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051037.D

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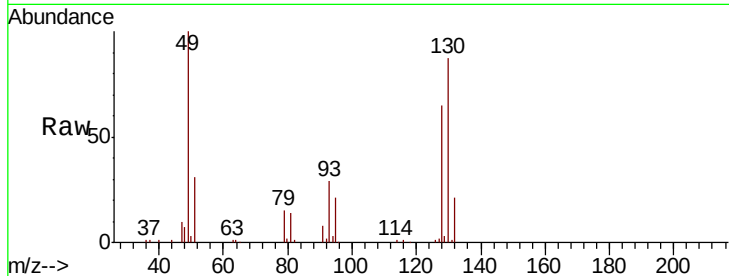
Tot Ion:128 Resp: 130367

Ion Ratio Lower Upper

128 100

49 149.2 0.0 380.3

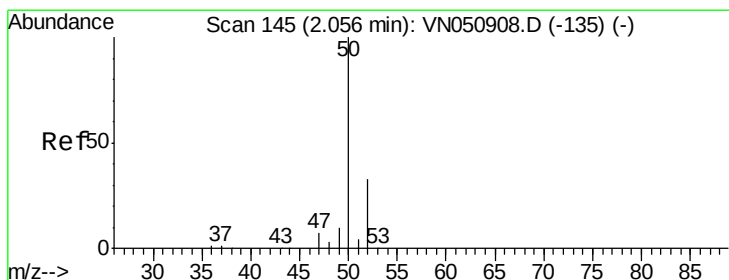
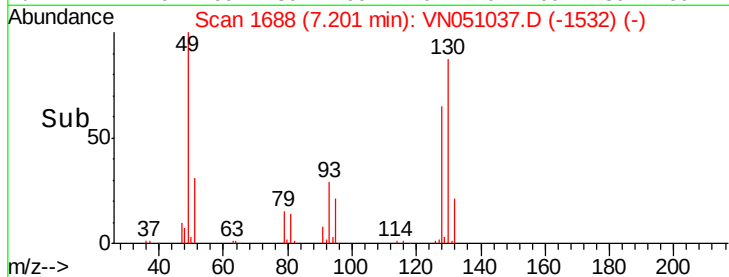
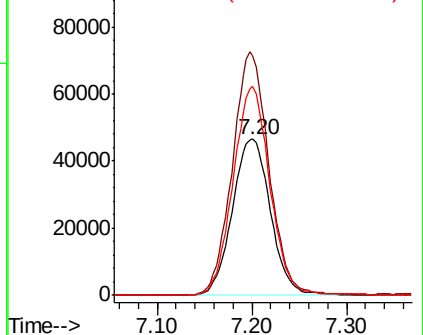
130 128.8 0.0 325.3



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



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN051037.D

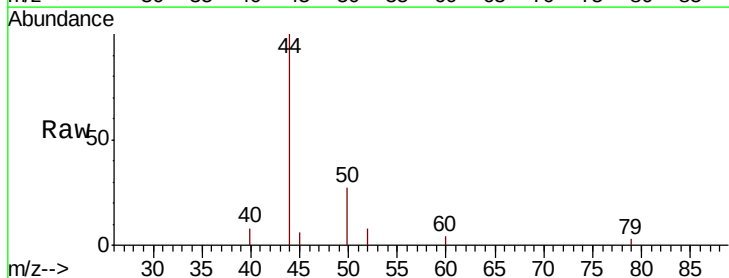
Acq: 6 Sep 2018 17:18

Tgt Ion: 50 Resp: 2349

Ion Ratio Lower Upper

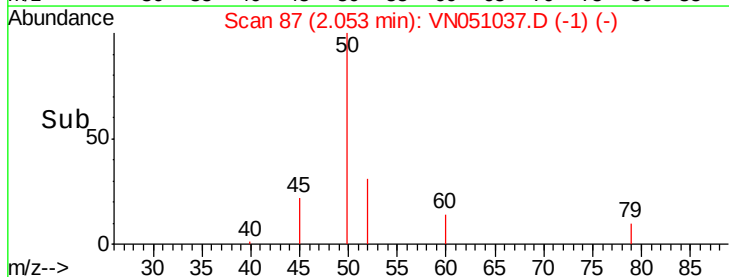
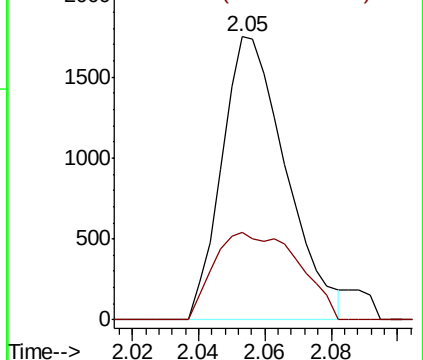
50 100

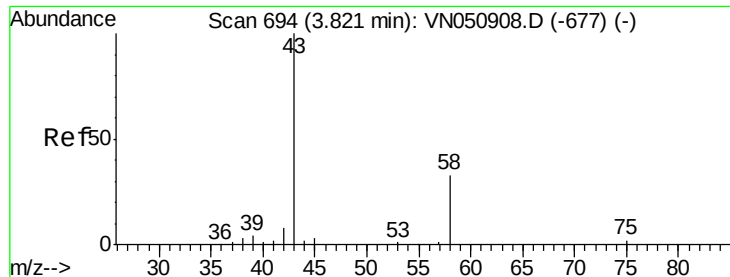
52 30.9 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#15

Acetone

Concen: 1.75 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051037.D

Acq: 6 Sep 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

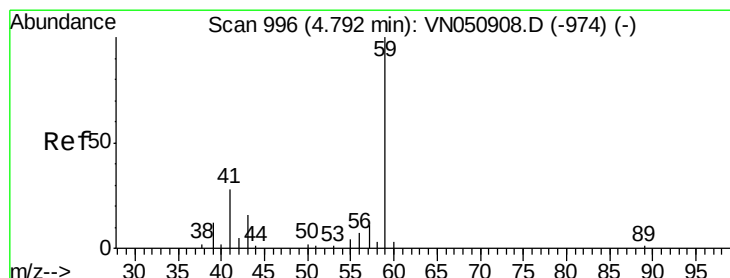
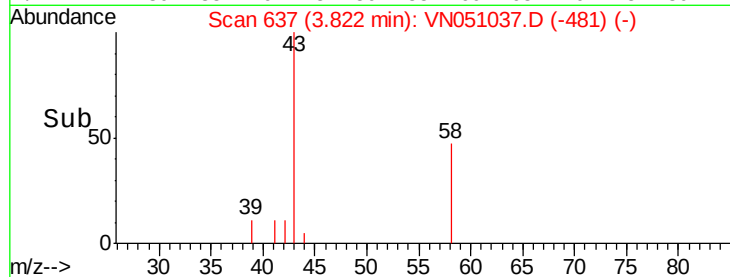
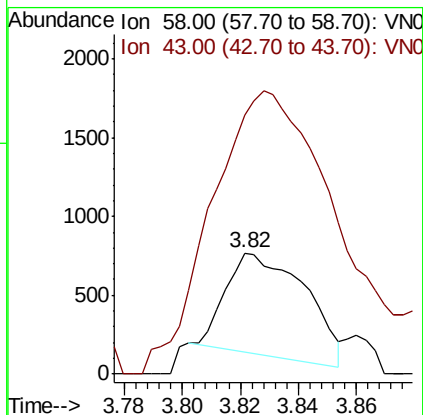
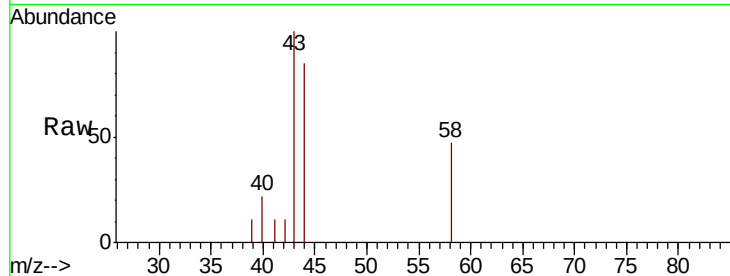
SPDES-1

Tot Ion: 58 Resp: 1232

Ion Ratio Lower Upper

58 100

43 193.2 239.4 359.0#



#23

tert-Butyl Alcohol

Concen: 0.90 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.02 min

Lab File: VN051037.D

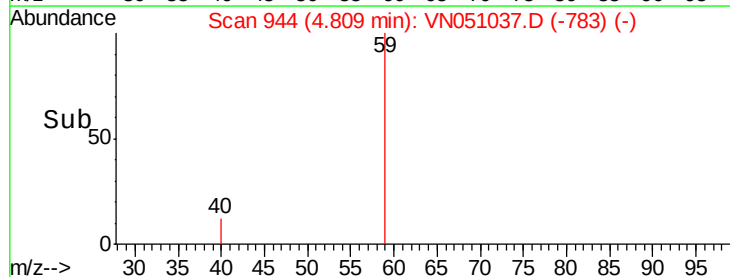
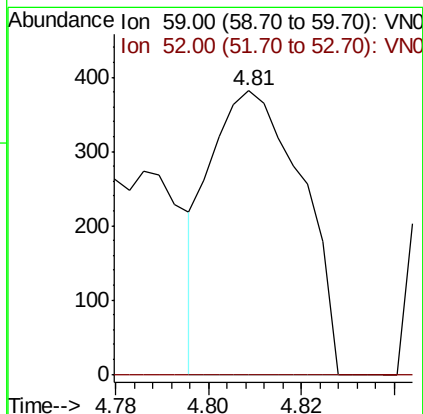
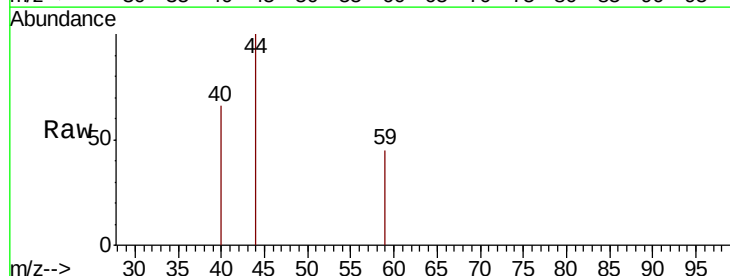
Acq: 6 Sep 2018 17:18

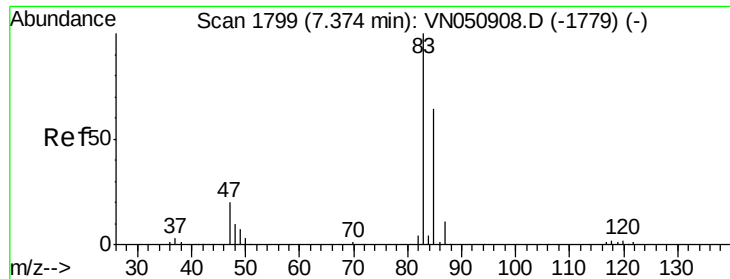
Tgt Ion: 59 Resp: 526

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

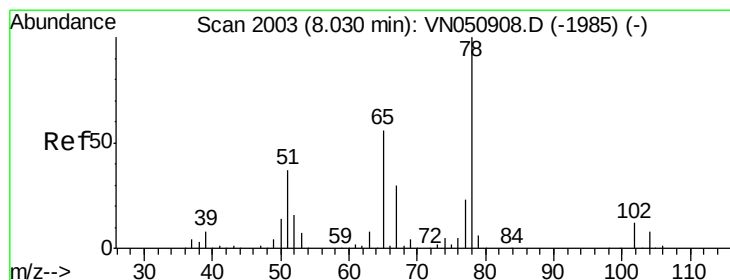
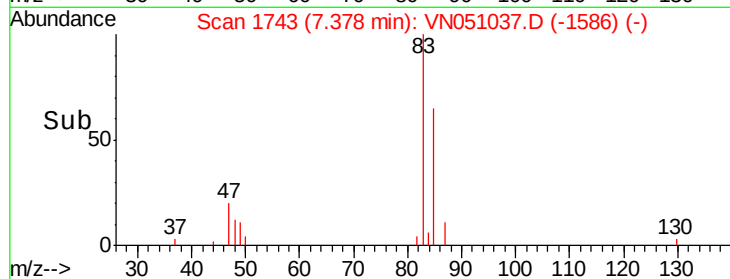
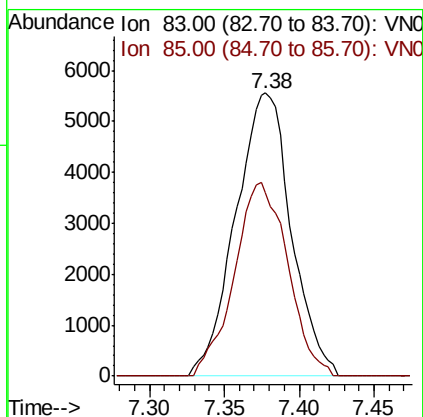
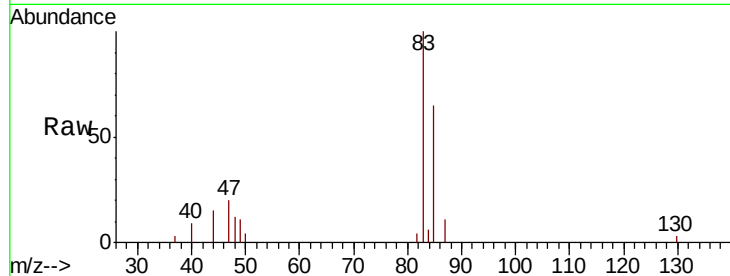




#25
Chloroform
Concen: 1.02 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

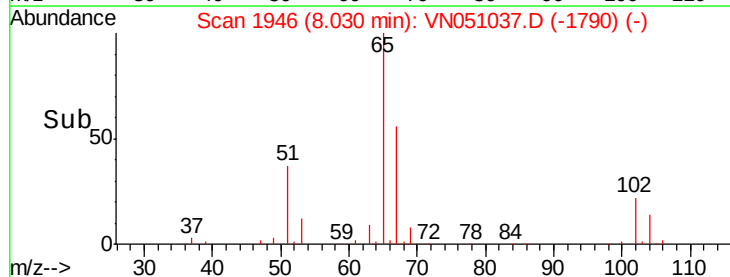
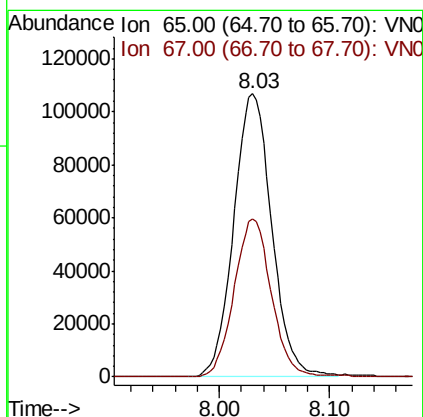
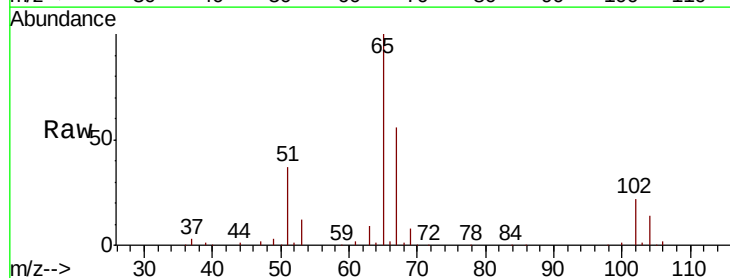
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

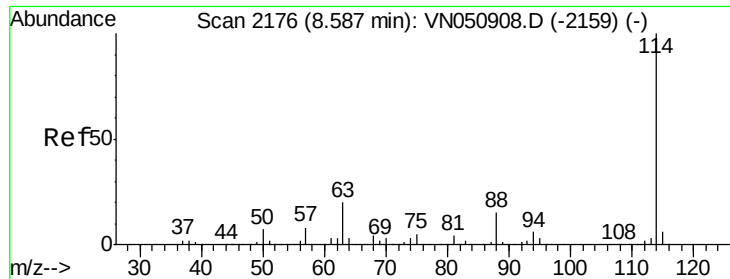
Tot Ion: 83 Resp: 14390
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.0



#27
1,2-Dichloroethane-d4
Concen: 30.69 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

Tgt Ion: 65 Resp: 255337
Ion Ratio Lower Upper
65 100
67 54.5 43.7 65.5

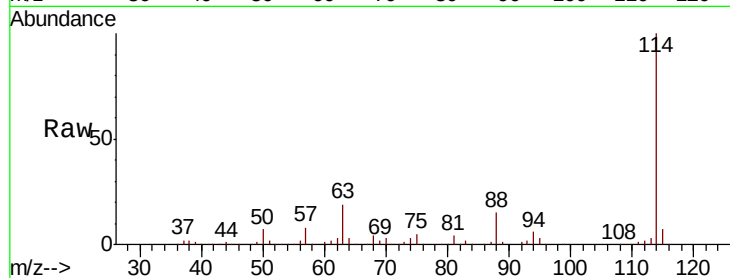




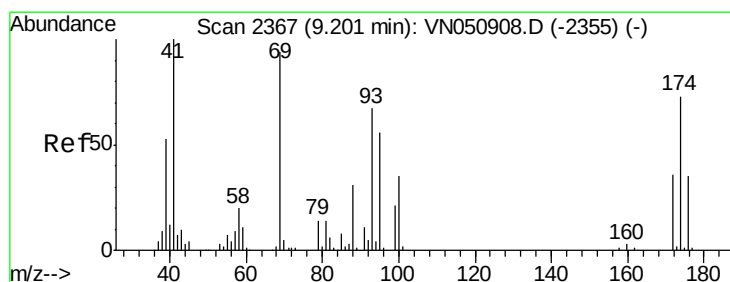
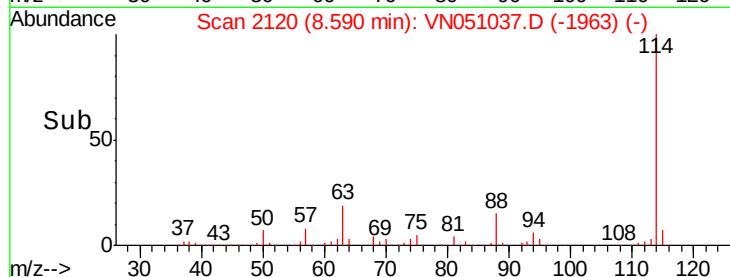
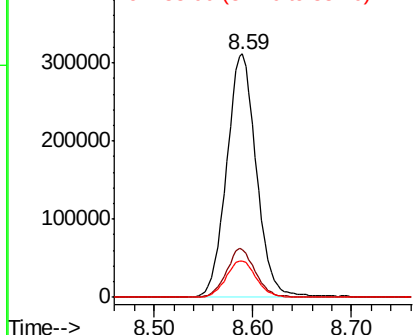
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051037.D
 Acq: 6 Sep 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Tot Ion:114 Resp: 655702
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.6 23.4
 88 15.2 12.2 18.4

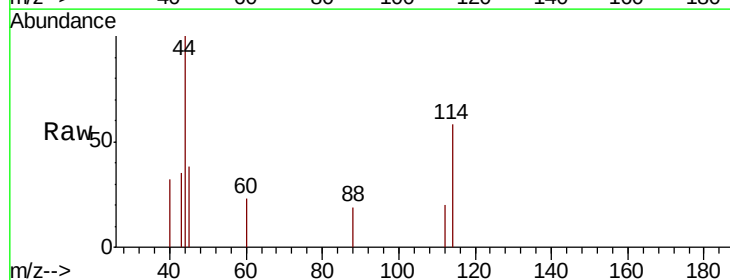


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

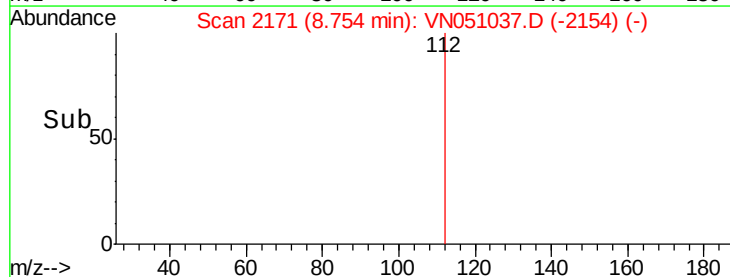
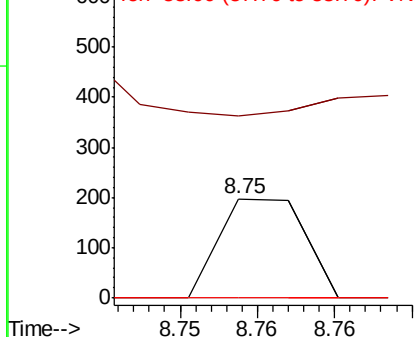


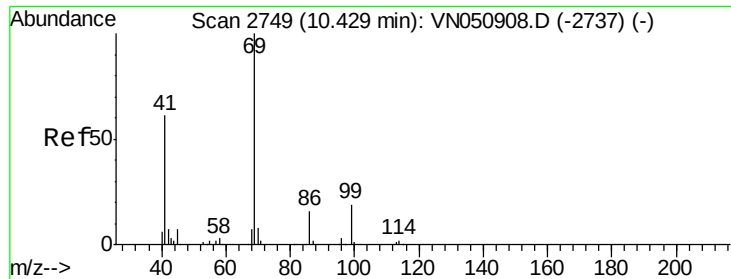
#45
 1,4-Dioxane
 Concen: 0.92 ug/l
 RT: 8.75 min Scan# 2171
 Delta R.T. -0.45 min
 Lab File: VN051037.D
 Acq: 6 Sep 2018 17:18

Tgt Ion: 88 Resp: 75
 Ion Ratio Lower Upper
 88 100
 43 188.0 23.5 35.3#
 58 0.0 55.2 82.8#



Abundance Ion 88.00 (87.70 to 88.70): VN
 Ion 43.00 (42.70 to 43.70): VN
 Ion 58.00 (57.70 to 58.70): VN

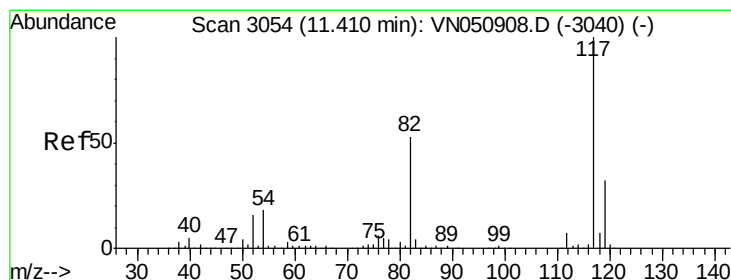
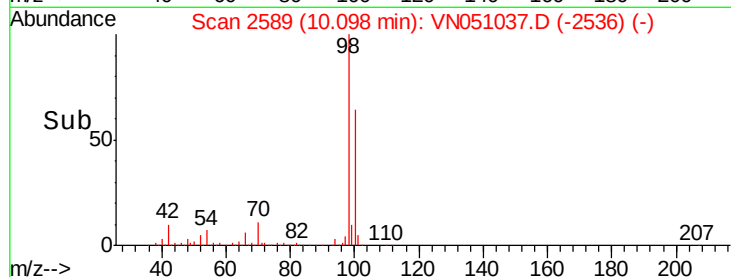
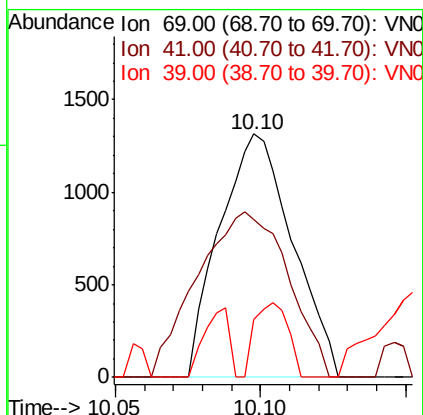
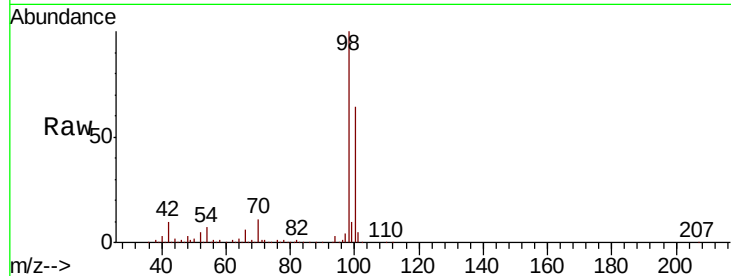




#51
Ethyl methacrylate
Concen: 0.27 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.33 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

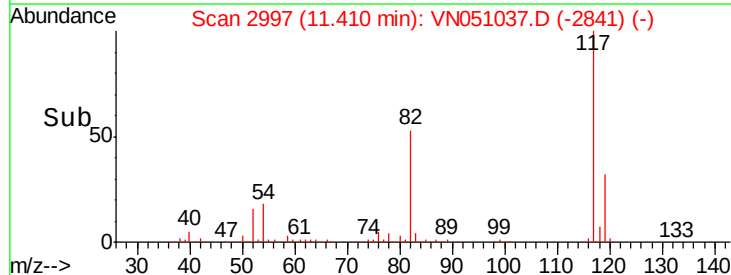
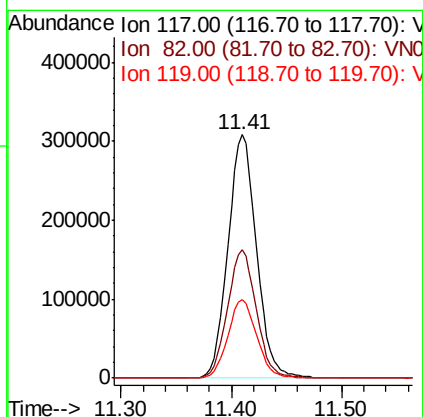
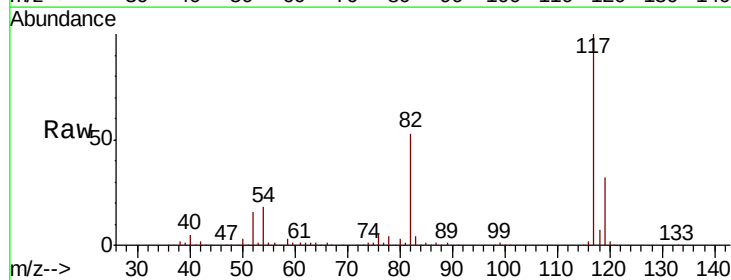
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

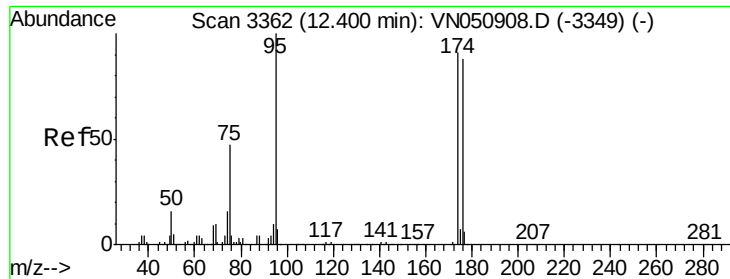
Tot Ion: 69 Resp: 2299
Ion Ratio Lower Upper
69 100
41 64.6 30.5 91.5
39 23.8 15.3 45.8



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

Tgt Ion: 117 Resp: 552966
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.5 25.7 38.5

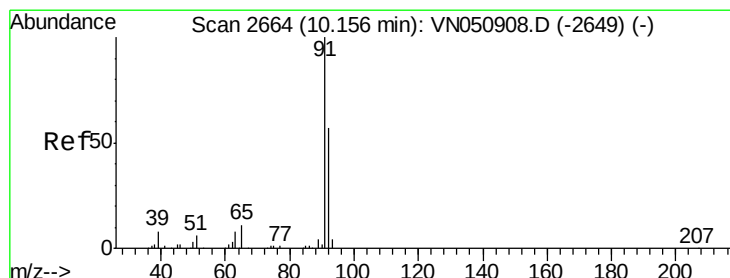
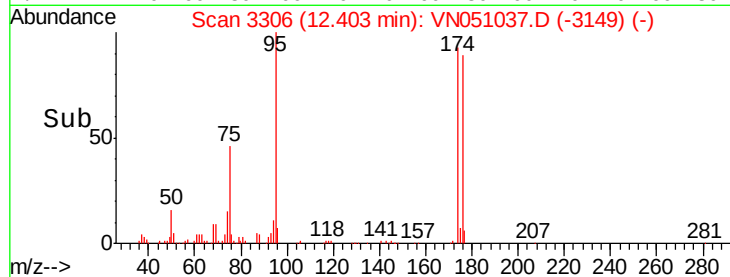
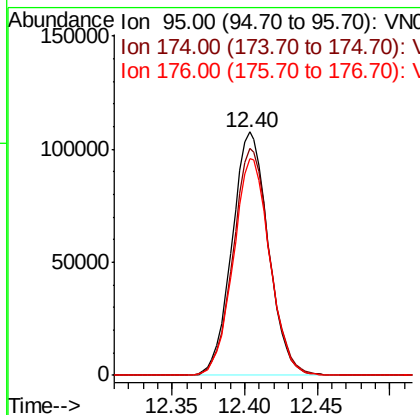
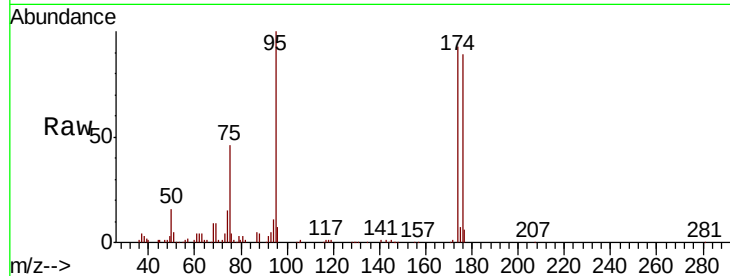




#60
4-Bromofluorobenzene
Concen: 22.66 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

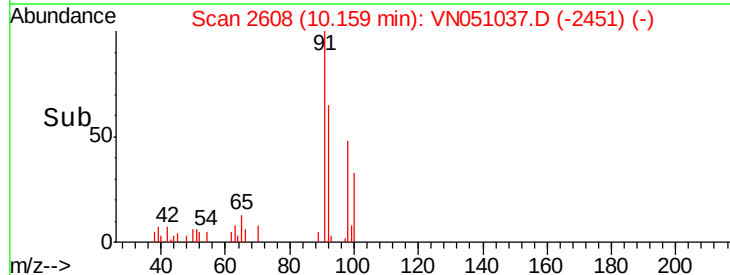
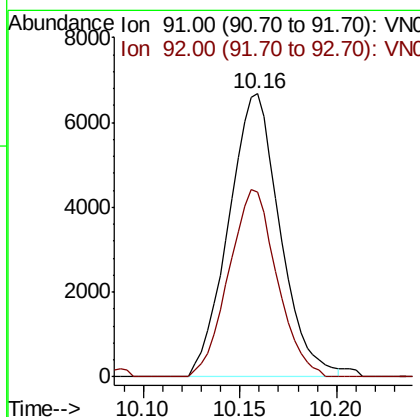
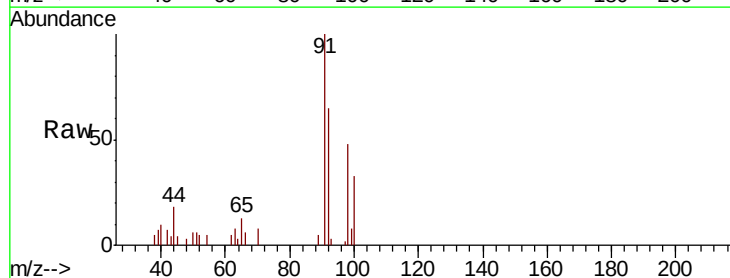
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

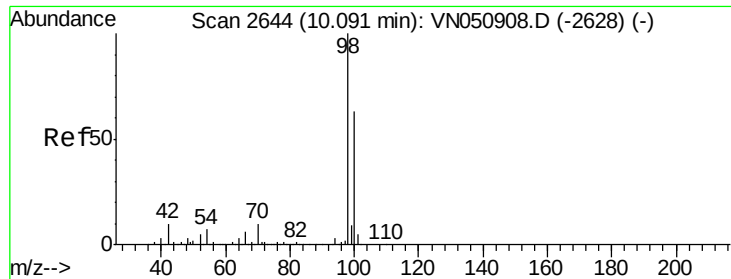
Tot Ion: 95 Resp: 186303
Ion Ratio Lower Upper
95 100
174 93.9 74.6 112.0
176 89.5 71.5 107.3



#62
Toluene
Concen: 0.40 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

Tgt Ion: 91 Resp: 12351
Ion Ratio Lower Upper
91 100
92 62.1 45.8 68.8





#63

Toluene-d8

Concen: 29.76 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051037.D

Acq: 6 Sep 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

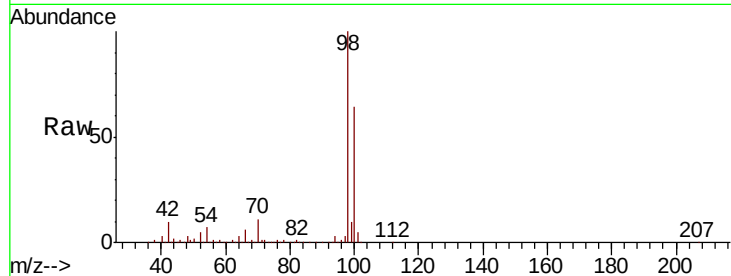
SPDES-1

Tot Ion: 98 Resp: 767459

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN051037.D (-2628) (-)

10.09

400000

300000

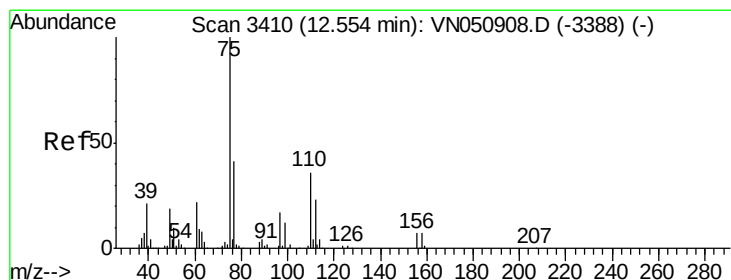
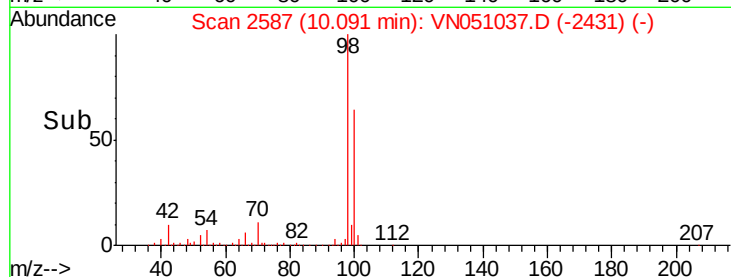
200000

100000

0

10.00 10.10 10.20

Time-->



#72

1,2,3-Trichloropropane

Concen: 11.82 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051037.D

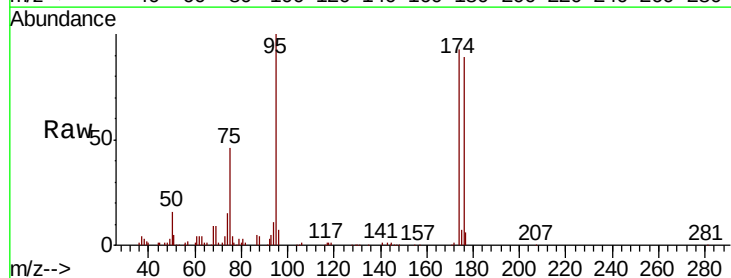
Acq: 6 Sep 2018 17:18

Tgt Ion: 75 Resp: 86188

Ion Ratio Lower Upper

75 100

77 1.4 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN051037.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN051037.D (-3197) (-)

12.40

50000

40000

30000

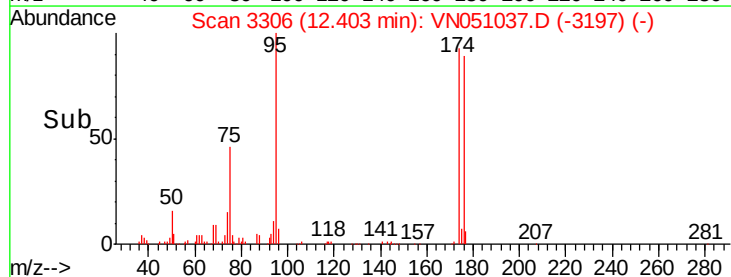
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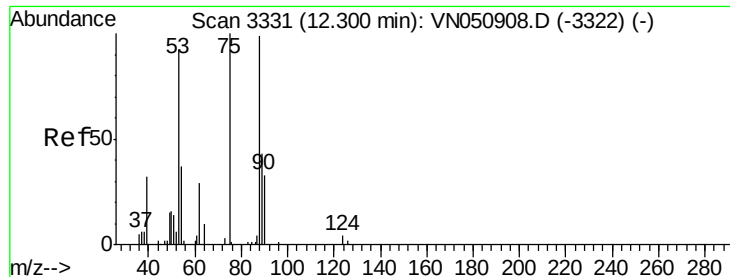
10000

0

12.35 12.40 12.45

Time-->

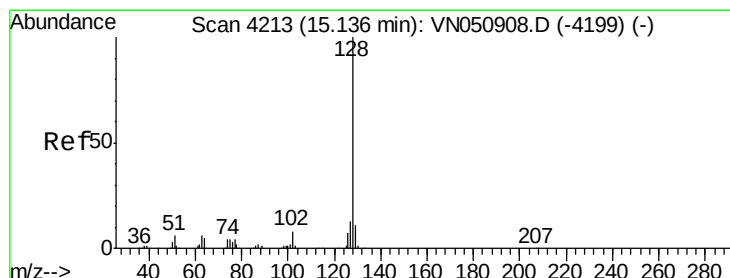
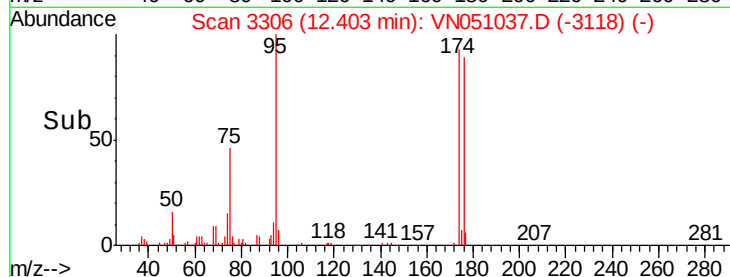
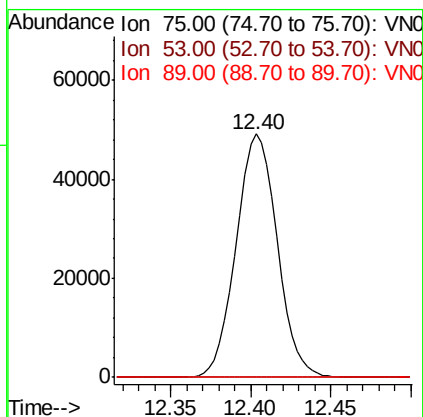
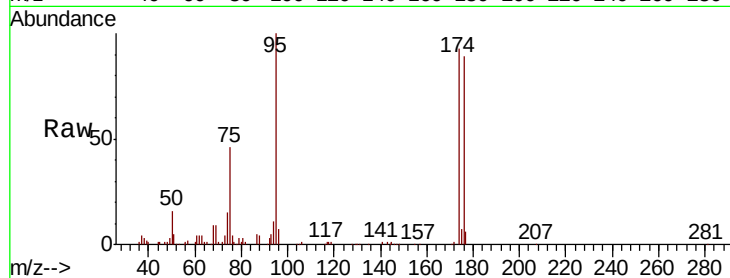




#77
t-1,4-Dichloro-2-butene
Concen: 41.49 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion: 75 Resp: 86188
Ion Ratio Lower Upper
75 100
53 0.3 45.5 136.4#
89 0.0 21.9 65.8#



#91
Naphthalene
Concen: 8.58 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051037.D
Acq: 6 Sep 2018 17:18

Tgt Ion: 128 Resp: 103
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

