

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051178.D
 Acq On : 14 Sep 2018 10:17
 Operator : MD\SY
 Sample : J4894-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Sep 14 15:22:10 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	87309	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	434520	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345422	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		8.03	65	164203	29.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.23%	
60) 4-Bromofluorobenzene		12.40	95	99331	19.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	64.47%	
63) Toluene-d8		10.09	98	492904	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%	

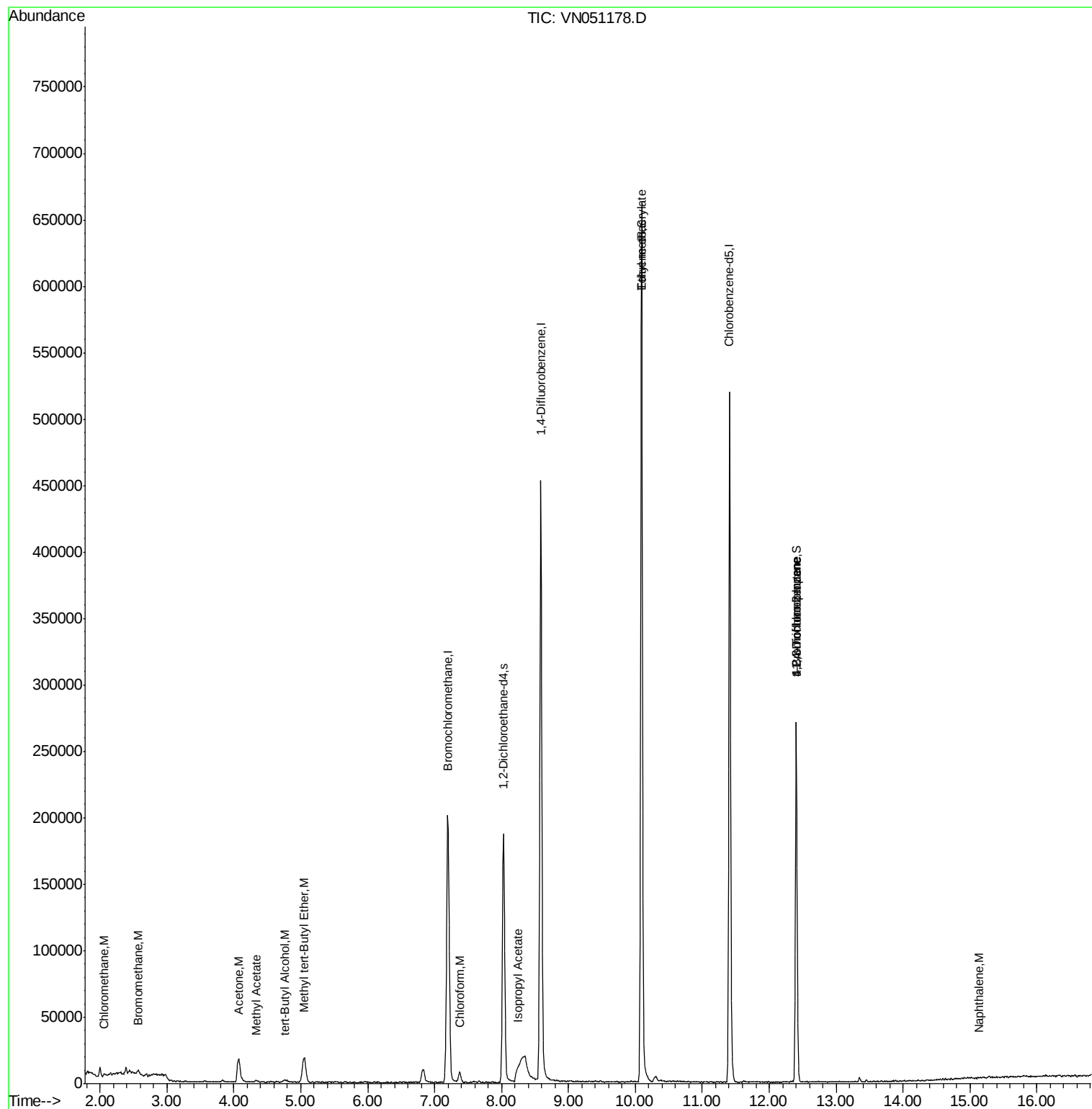
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.06	50	1674	0.261	ug/l	91
5) Bromomethane	2.57	94	1598	0.414	ug/l	83
12) Methyl Acetate	4.33	43	1810	0.332	ug/l #	72
15) Acetone	4.06	58	335	0.710	ug/l	82
23) tert-Butyl Alcohol	4.77	59	366	0.933	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	30931	2.397	ug/l #	64
25) Chloroform	7.37	83	8683	0.921	ug/l	90
44) Isopropyl Acetate	8.23	43	4603	0.636	ug/l #	59
51) Ethyl methacrylate	10.09	69	1376	0.244	ug/l #	61
72) 1,2,3-Trichloropropane	12.40	75	46227	10.149	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	46227	35.622	ug/l #	13
91) Naphthalene	15.13	128	136	8.590	ug/l #	69

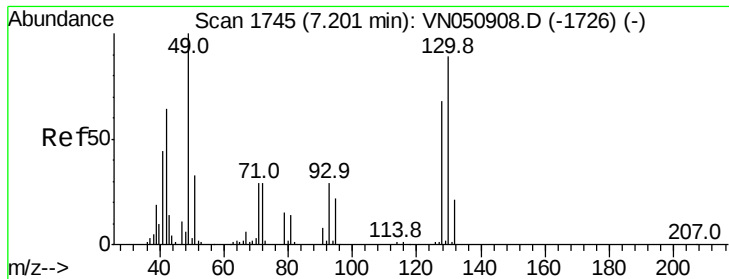
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
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QLast Update : Wed Aug 29 01:38:44 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: VN051178.D

Acq: 14 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

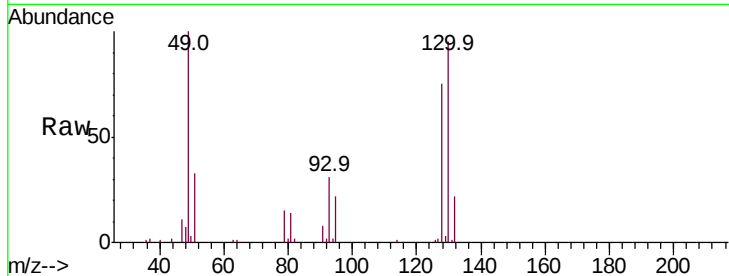
Tot Ion:128 Resp: 87309

Ion Ratio Lower Upper

128 100

49 144.3 0.0 380.3

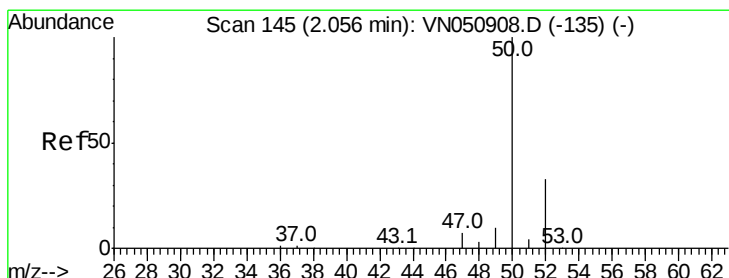
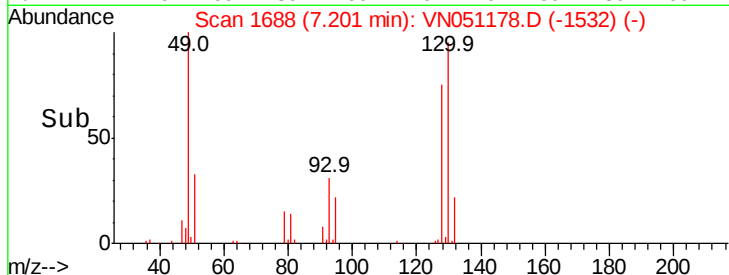
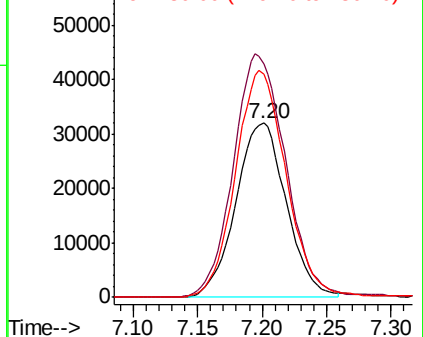
130 130.7 0.0 325.3



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



#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051178.D

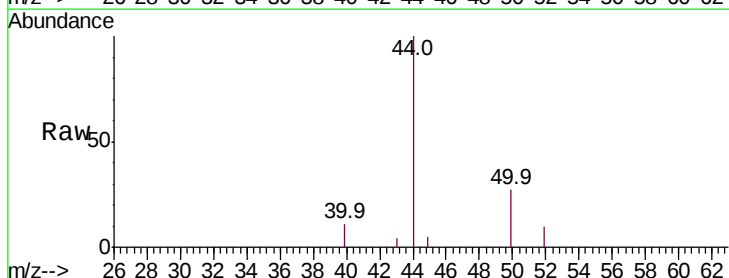
Acq: 14 Sep 2018 10:17

Tgt Ion: 50 Resp: 1674

Ion Ratio Lower Upper

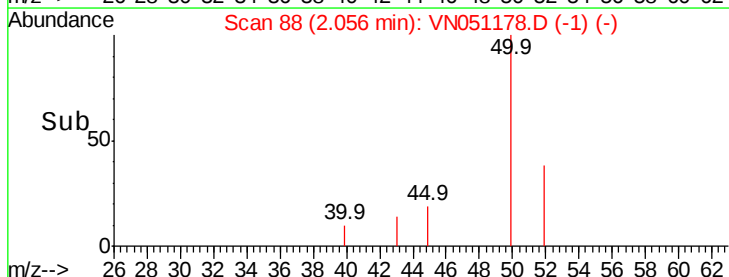
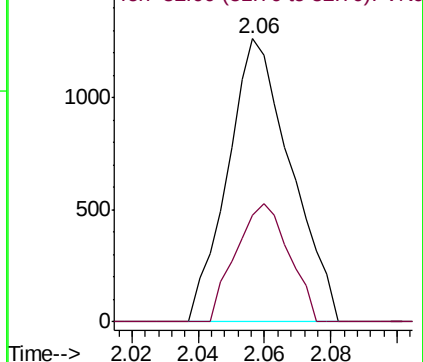
50 100

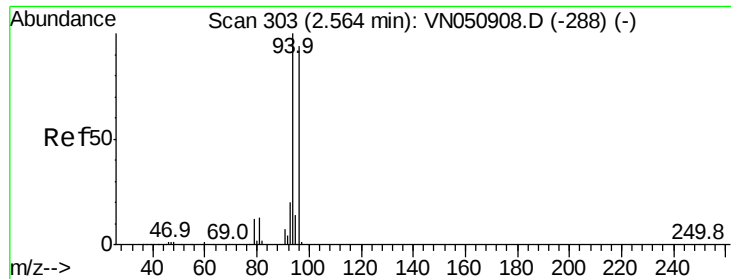
52 37.7 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.414 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051178.D

Acq: 14 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

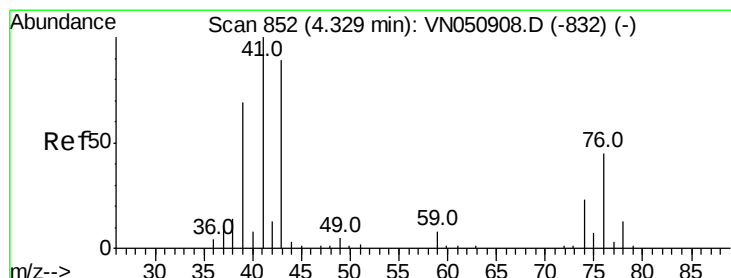
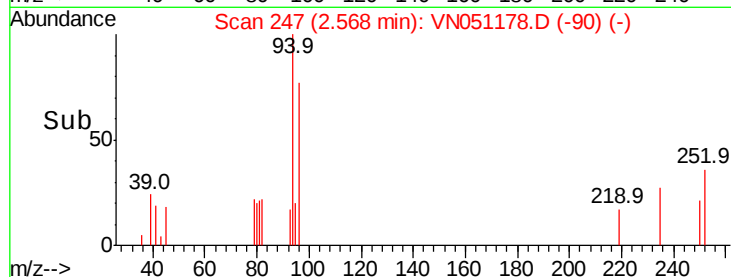
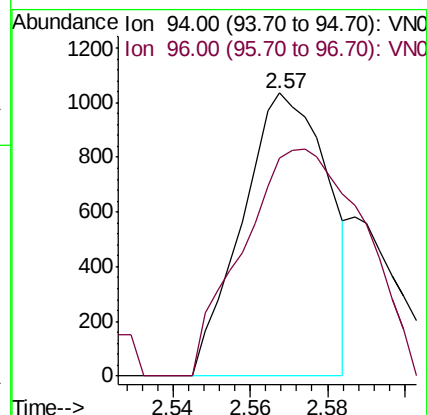
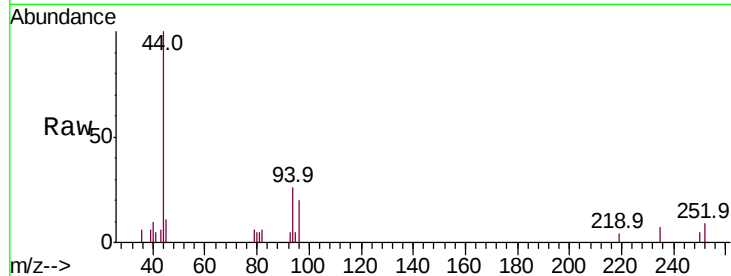
SPDES-1

Tot Ion: 94 Resp: 1598

Ion Ratio Lower Upper

94 100

96 77.0 74.9 112.3



#12

Methyl Acetate

Concen: 0.332 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051178.D

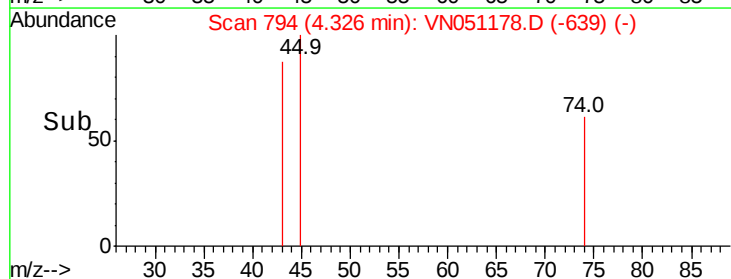
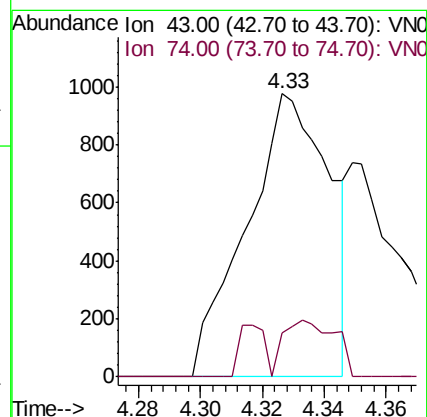
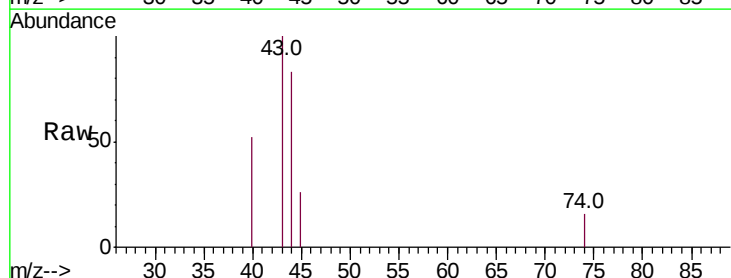
Acq: 14 Sep 2018 10:17

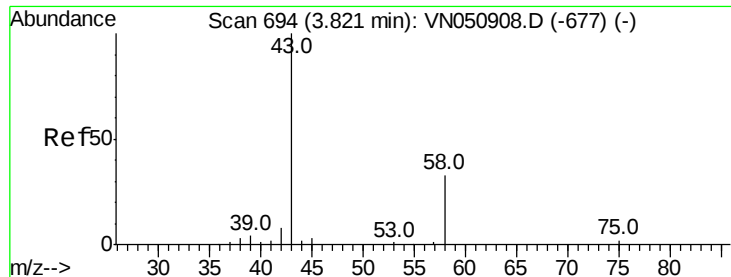
Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

74 11.5 20.6 31.0#





#15

Acetone

Concen: 0.710 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.24 min

Lab File: VN051178.D

Acq: 14 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

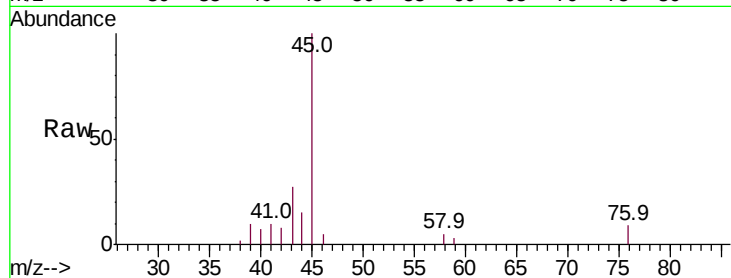
SPDES-1

Tot Ion: 58 Resp: 335

Ion Ratio Lower Upper

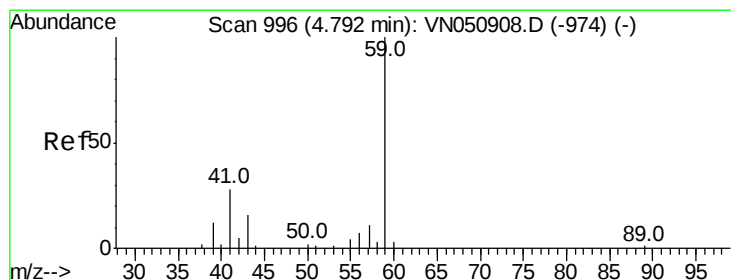
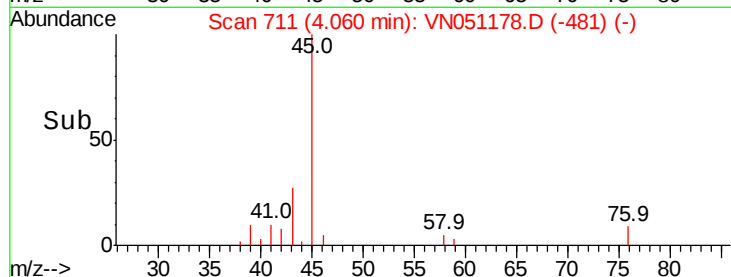
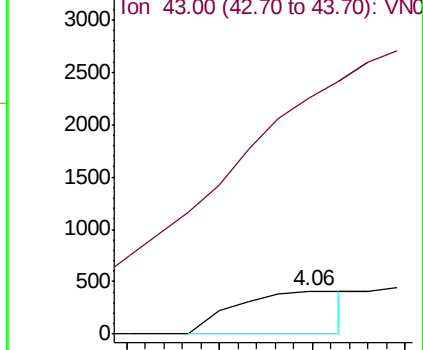
58 100

43 264.8 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.933 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.02 min

Lab File: VN051178.D

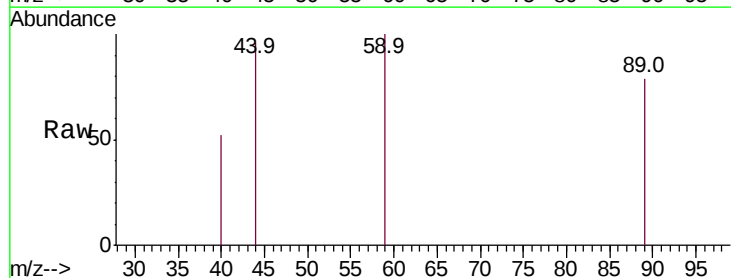
Acq: 14 Sep 2018 10:17

Tgt Ion: 59 Resp: 366

Ion Ratio Lower Upper

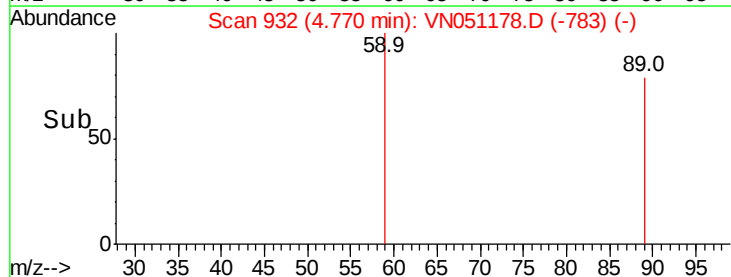
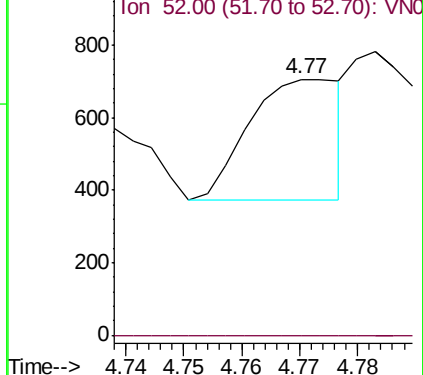
59 100

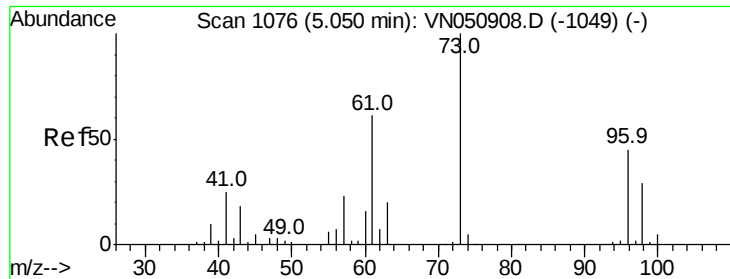
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

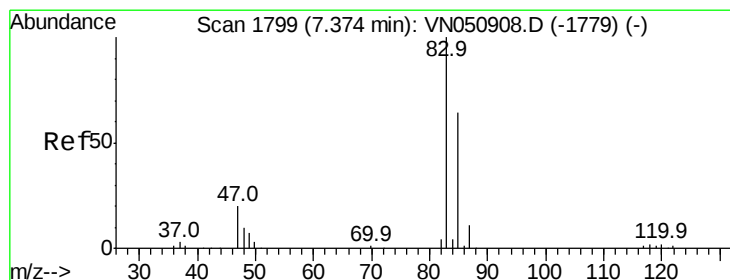
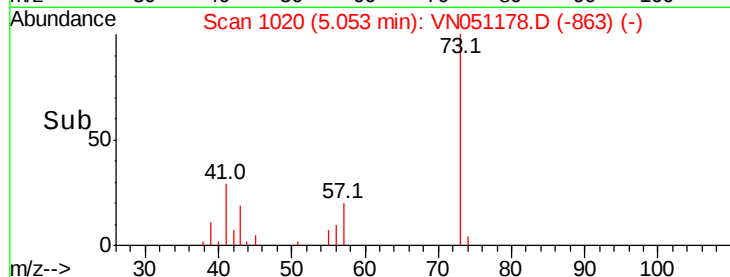
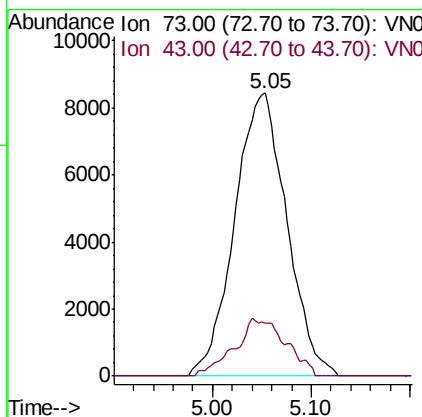
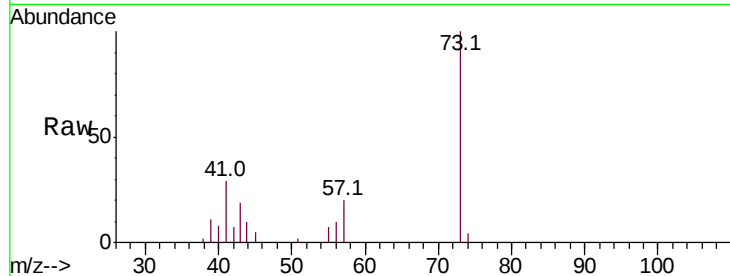




#24
Methyl tert-Butyl Ether
Concen: 2.397 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

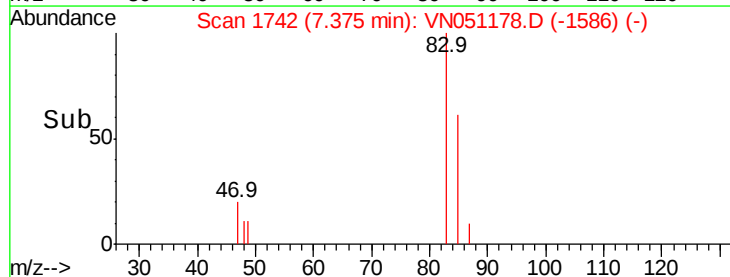
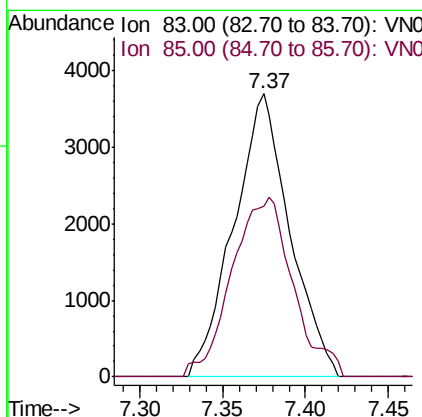
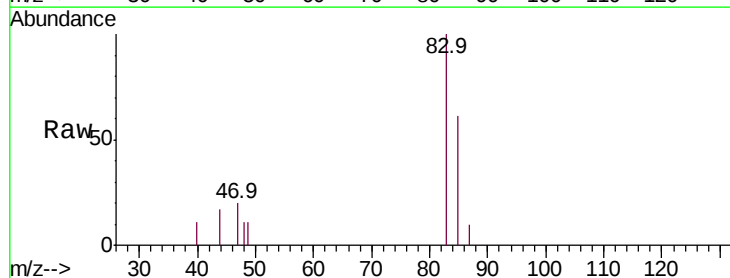
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

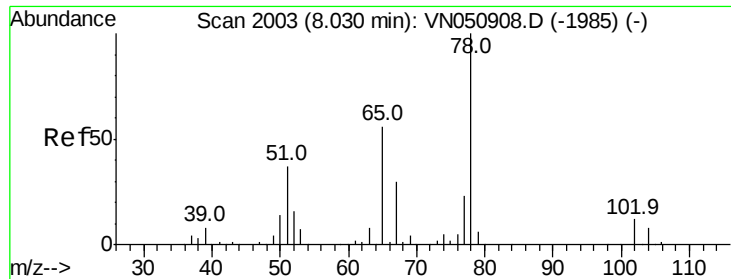
Tot Ion: 73 Resp: 30931
Ion Ratio Lower Upper
73 100
43 2.3 14.4 21.6#



#25
Chloroform
Concen: 0.921 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

Tgt Ion: 83 Resp: 8683
Ion Ratio Lower Upper
83 100
85 56.1 51.4 77.0

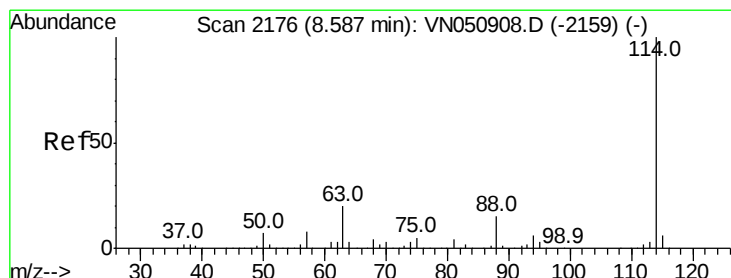
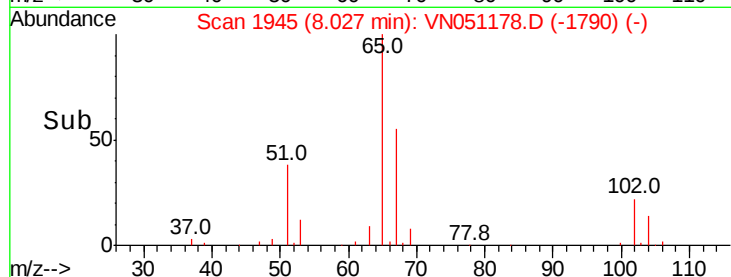
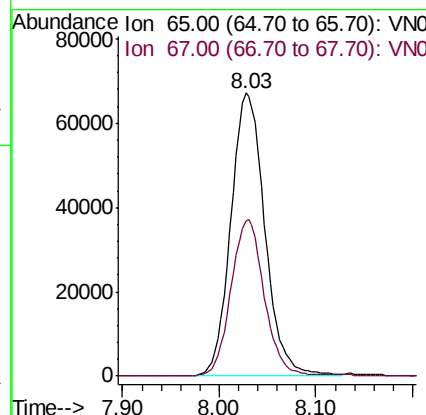
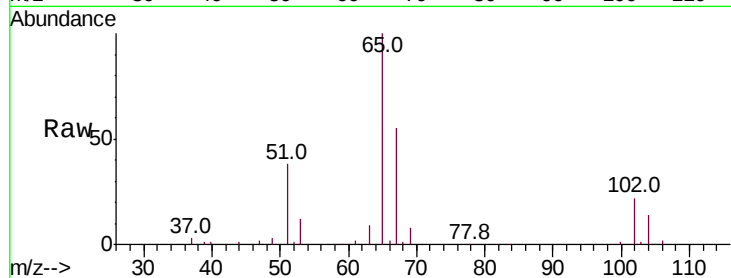




#27
 1,2-Dichloroethane-d4
 Concen: 29.472 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051178.D
 Acq: 14 Sep 2018 10:17

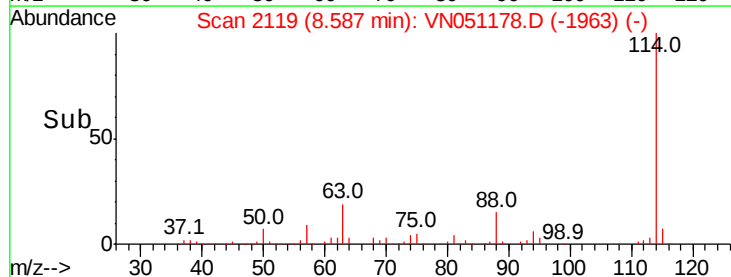
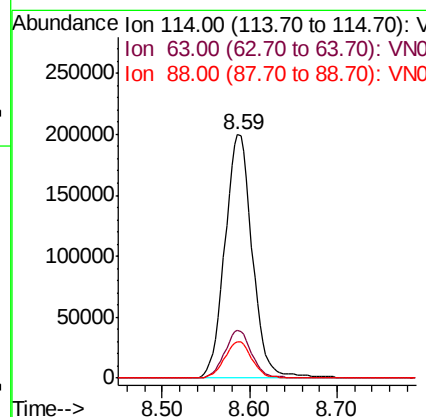
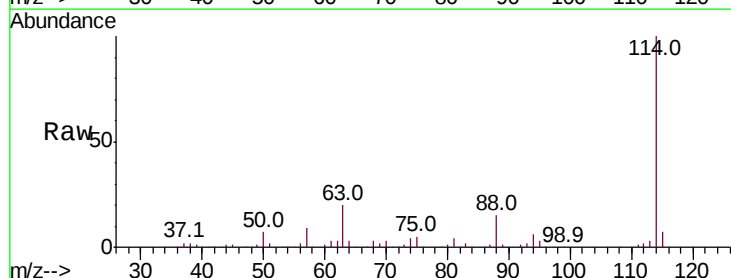
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

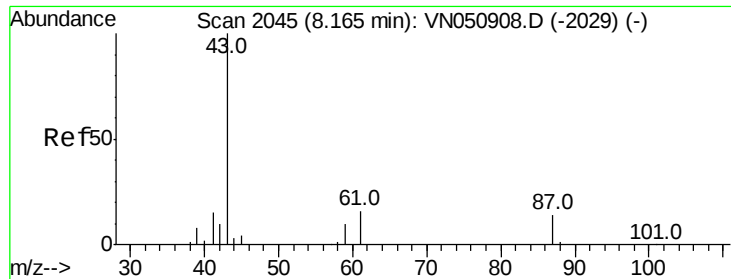
Tot Ion: 65 Resp: 164203
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051178.D
 Acq: 14 Sep 2018 10:17

Tgt Ion: 114 Resp: 434520
 Ion Ratio Lower Upper
 114 100
 63 19.1 15.6 23.4
 88 14.8 12.2 18.4





#44

Isopropyl Acetate

Concen: 0.636 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.06 min

Lab File: VN051178.D

Acq: 14 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

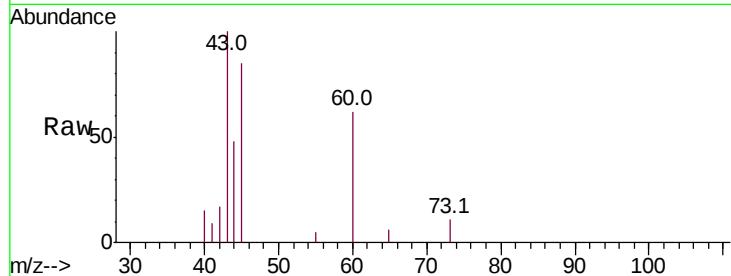
SPDES-1

Tot Ion: 43 Resp: 4603

Ion Ratio Lower Upper

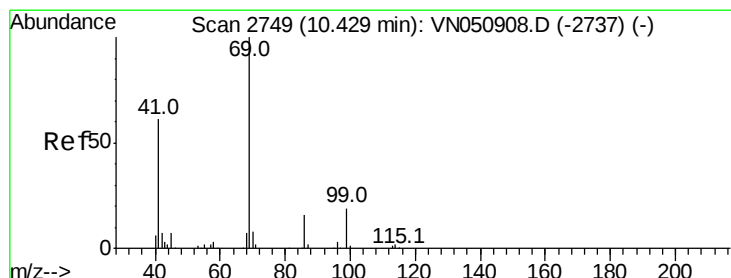
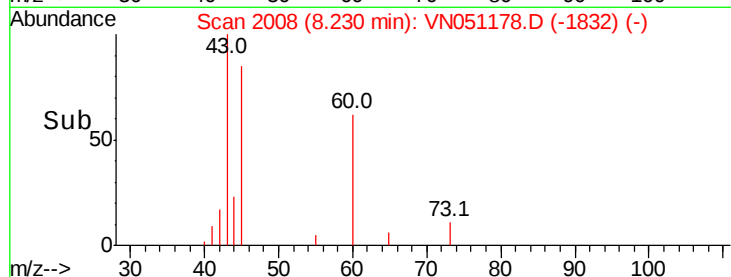
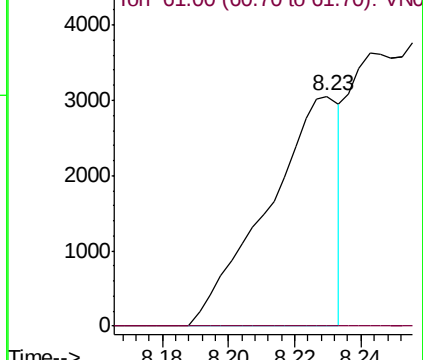
43 100

61 1.5 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#51

Ethyl methacrylate

Concen: 0.244 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051178.D

Acq: 14 Sep 2018 10:17

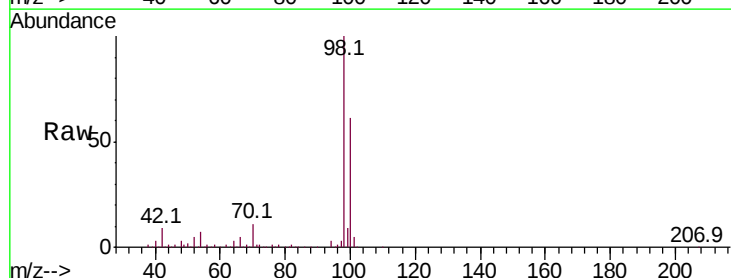
Tgt Ion: 69 Resp: 1376

Ion Ratio Lower Upper

69 100

41 104.1 30.5 91.5#

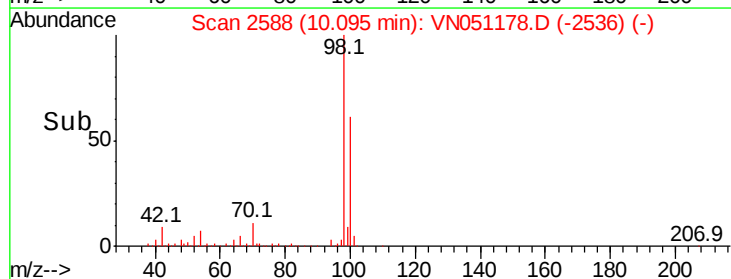
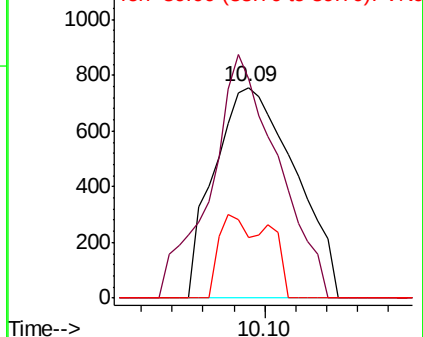
39 29.0 15.3 45.8

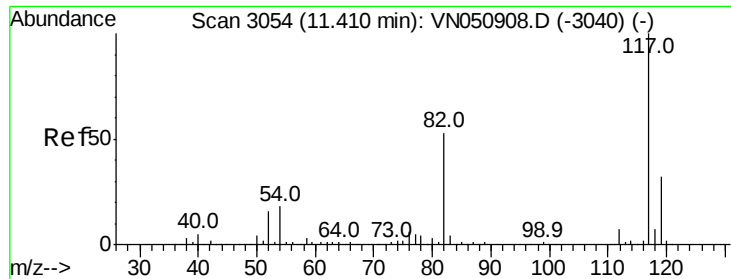


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

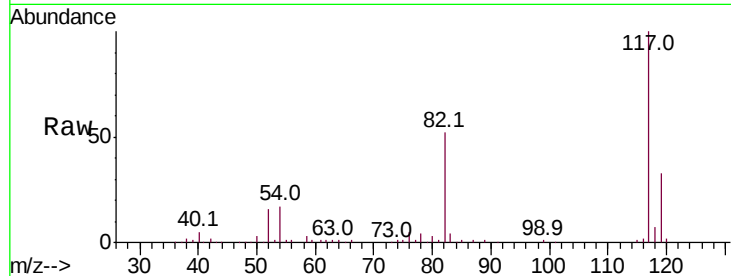




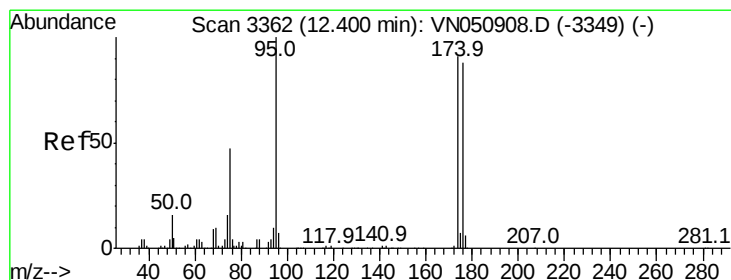
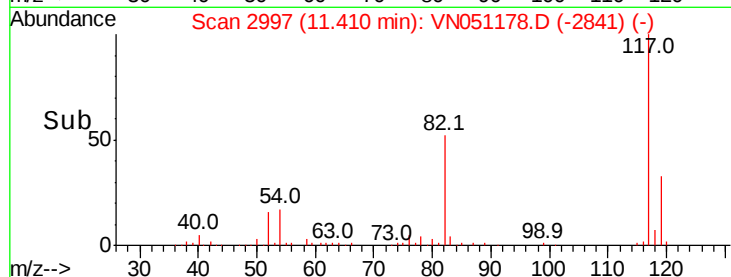
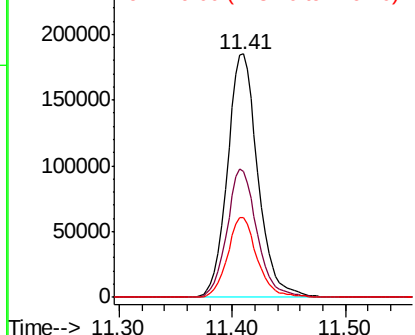
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

Instrument :
MSVOA_N
ClientSampled :
SPDES-1

Tot Ion:117 Resp: 345422
Ion Ratio Lower Upper
117 100
82 52.1 42.6 64.0
119 31.9 25.7 38.5

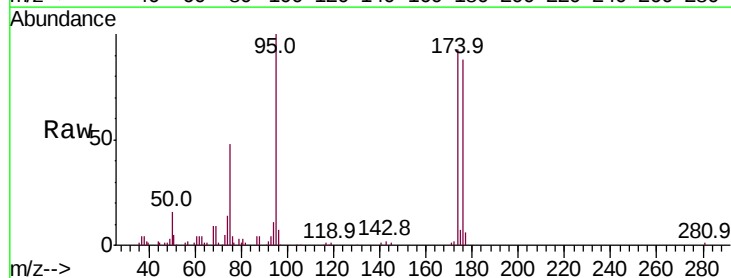


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

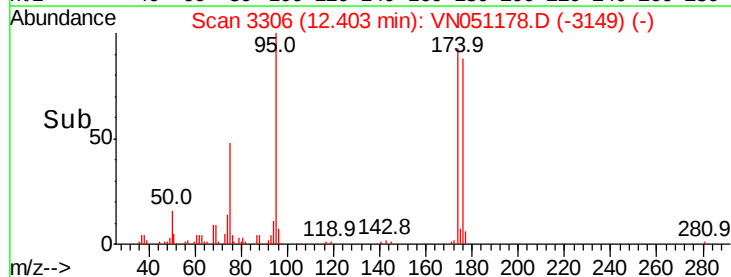
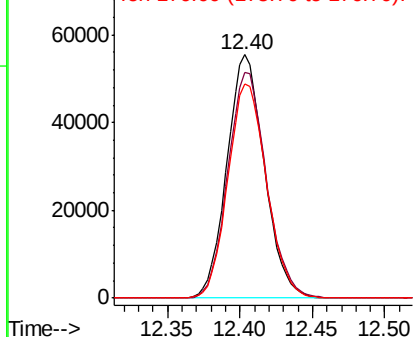


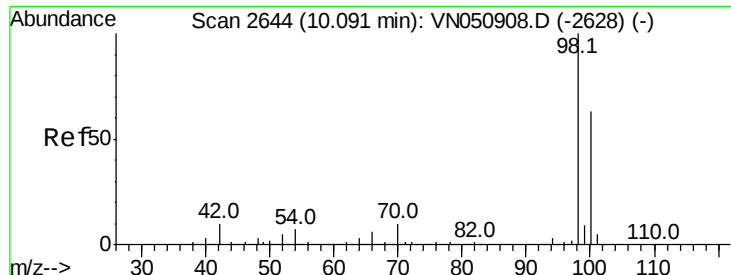
#60
4-Bromofluorobenzene
Concen: 19.338 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

Tgt Ion: 95 Resp: 99331
Ion Ratio Lower Upper
95 100
174 95.5 74.6 112.0
176 90.8 71.5 107.3



Abundance Ion 95.00 (94.70 to 95.70): VN
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.600 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051178.D

Acq: 14 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

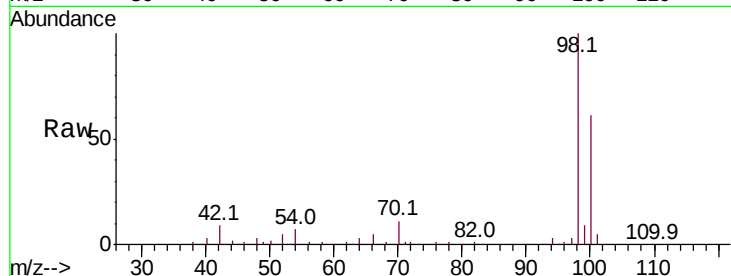
SPDES-1

Tot Ion: 98 Resp: 492904

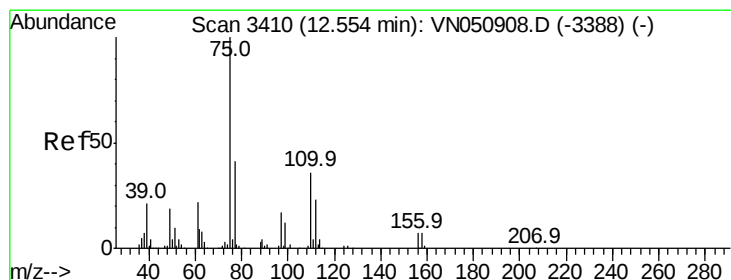
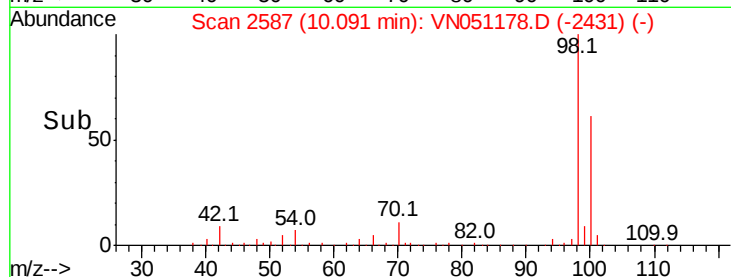
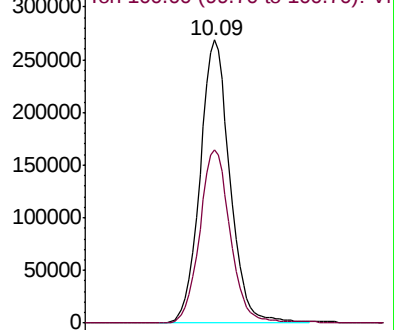
Ion Ratio Lower Upper

98 100

100 62.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051178.D (-2431) (-)



#72

1,2,3-Trichloropropane

Concen: 10.149 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051178.D

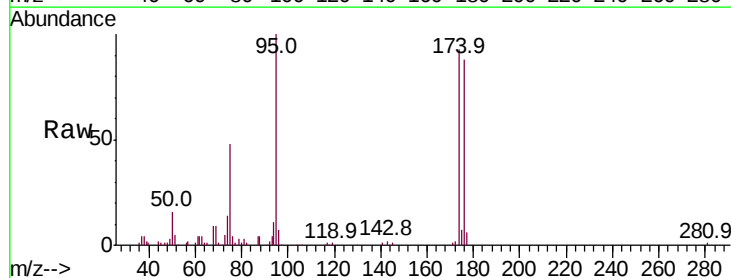
Acq: 14 Sep 2018 10:17

Tgt Ion: 75 Resp: 46227

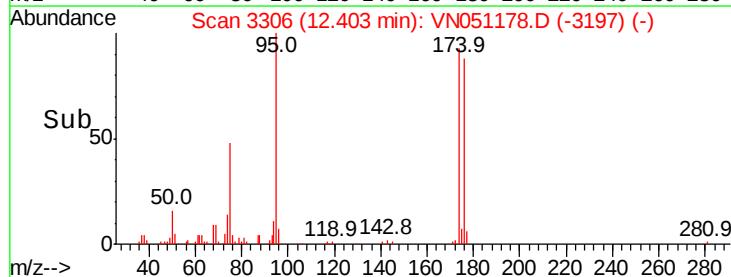
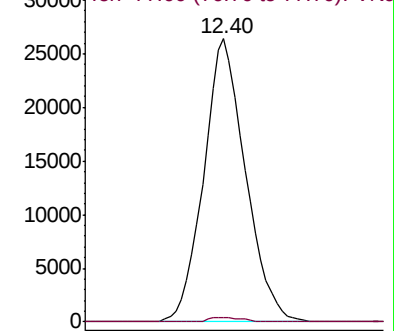
Ion Ratio Lower Upper

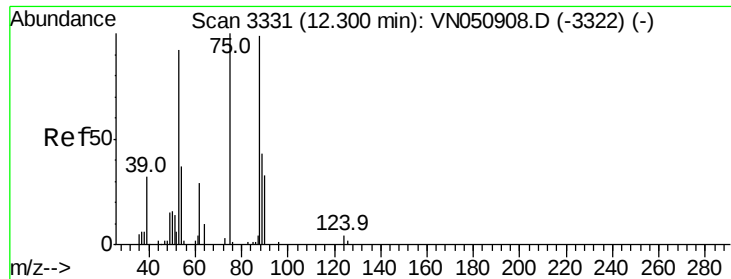
75 100

77 1.2 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN051178.D (-3197) (-)

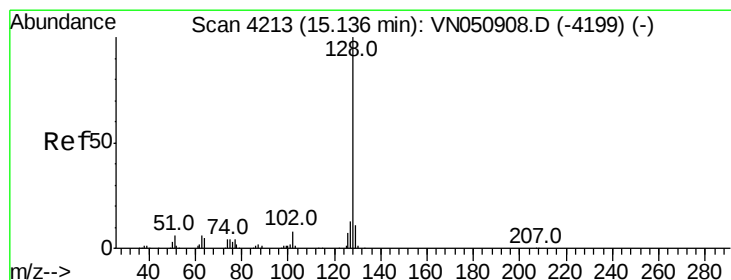
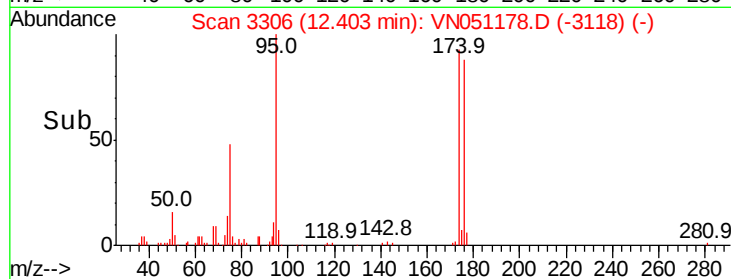
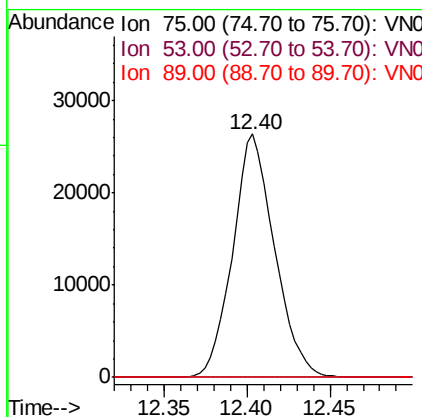
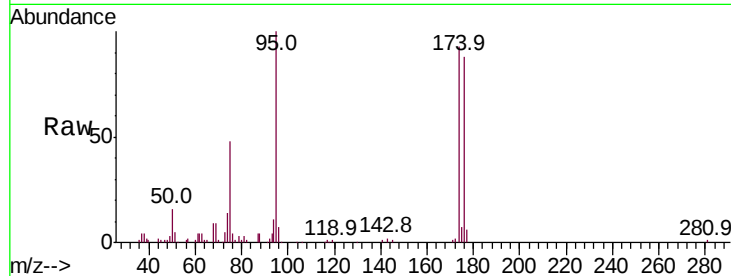




#77
t-1,4-Dichloro-2-butene
Concen: 35.622 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion: 75 Resp: 46227
Ion Ratio Lower Upper
75 100
53 0.0 45.5 136.4#
89 0.0 21.9 65.8#



#91
Naphthalene
Concen: 8.590 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051178.D
Acq: 14 Sep 2018 10:17

Tgt Ion: 128 Resp: 136
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

