

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050974.D
 Acq On : 30 Aug 2018 20:23
 Operator : MD\SY
 Sample : J4728-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Aug 31 01:41:57 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	106914	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	558826	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	433721	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	214047	31.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.57%
60) 4-Bromofluorobenzene	12.40	95	132181	20.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	68.30%
63) Toluene-d8	10.09	98	618304	30.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.90%

Target Compounds

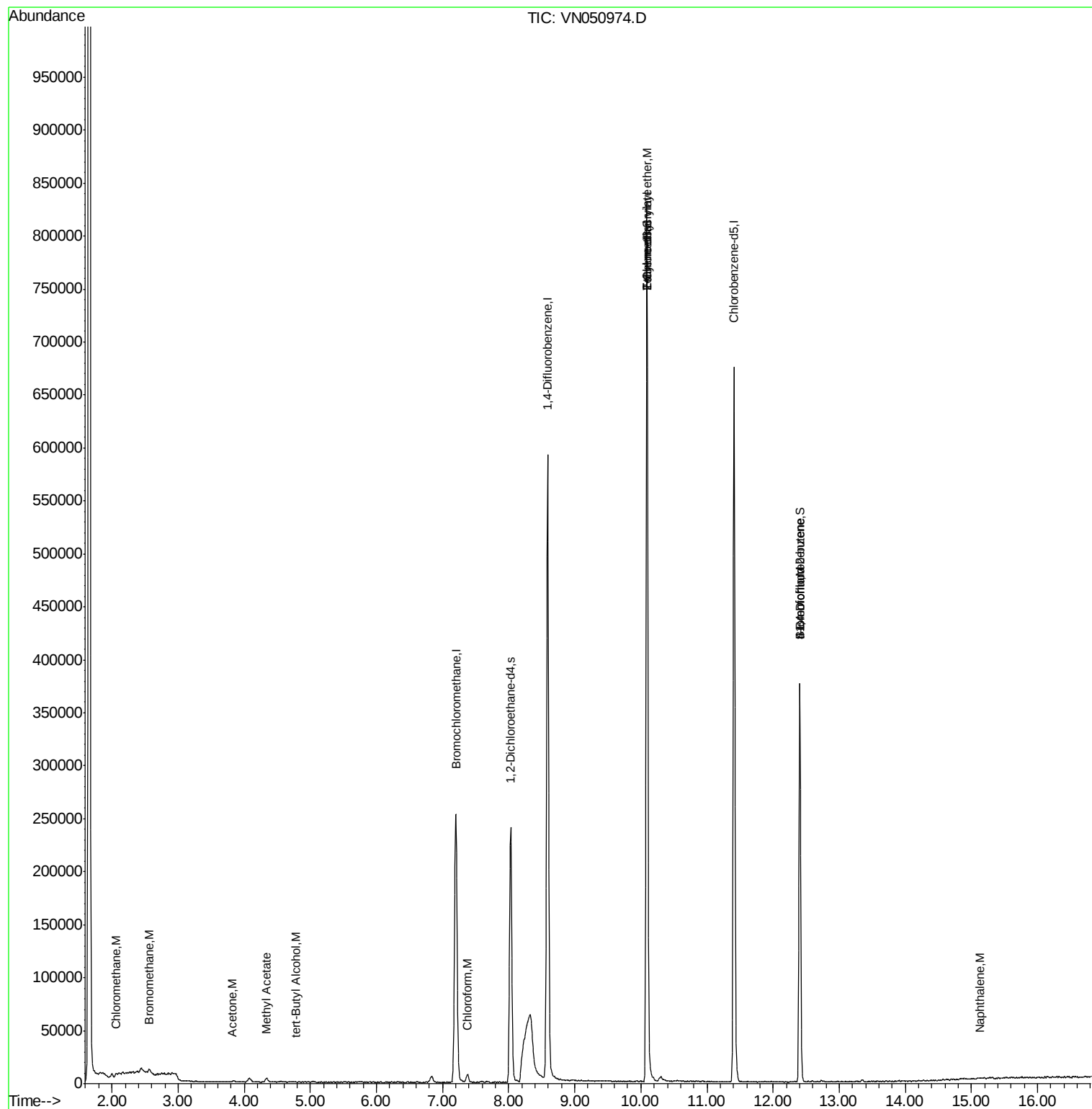
					Ovalue
3) Chloromethane	2.06	50	2009	0.26 ug/l	89
5) Bromomethane	2.57	94	2511	0.53 ug/l	99
12) Methyl Acetate	4.34	43	7785	1.17 ug/l	95
15) Acetone	3.82	58	210	0.36 ug/l #	1
23) tert-Butyl Alcohol	4.79	59	113	0.24 ug/l #	100
25) Chloroform	7.38	83	8417	0.73 ug/l	97
51) Ethyl methacrylate	10.10	69	1927	0.27 ug/l	86
55) 2-Chloroethyl vinyl ether	10.09	63	627	0.21 ug/l #	1
56) Bromoform	12.41	173	1295	0.27 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	60320	37.02 ug/l #	13
91) Naphthalene	15.13	128	469	8.61 ug/l #	69

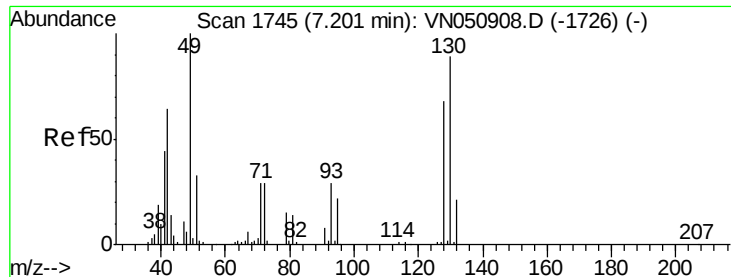
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 31 01:41:57 2018
Quant Method : Z:\VOASRV\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: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050974.D

Acq: 30 Aug 2018 20:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

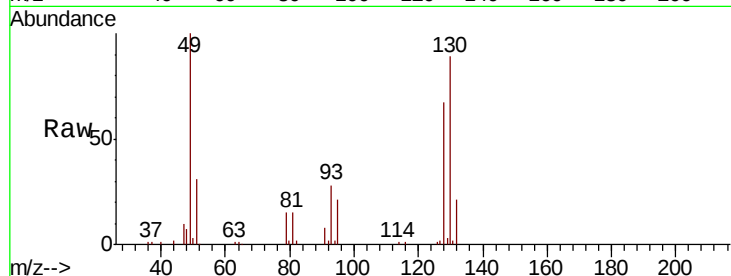
Tot Ion:128 Resp: 106914

Ion Ratio Lower Upper

128 100

49 150.9 0.0 380.3

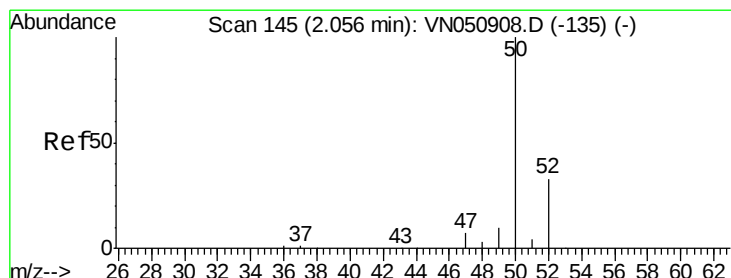
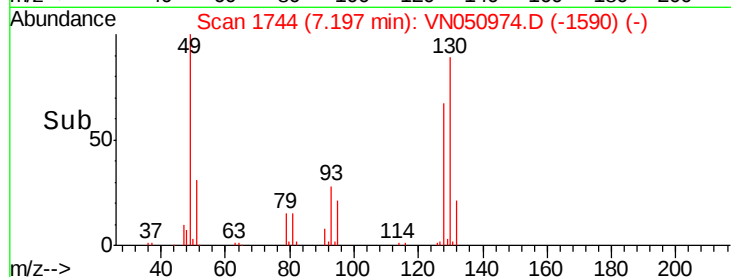
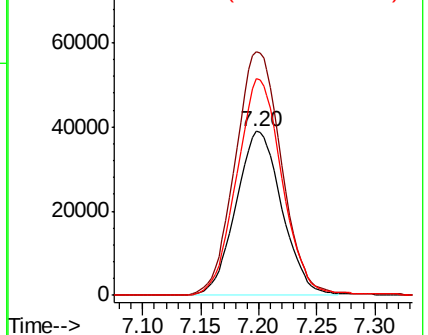
130 131.5 0.0 325.3



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: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050974.D

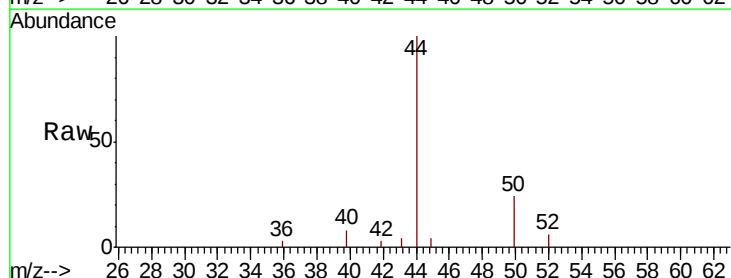
Acq: 30 Aug 2018 20:23

Tgt Ion: 50 Resp: 2009

Ion Ratio Lower Upper

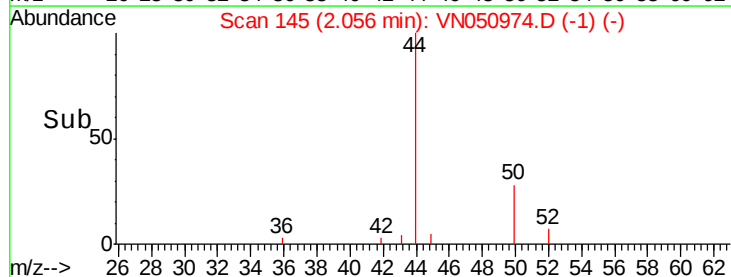
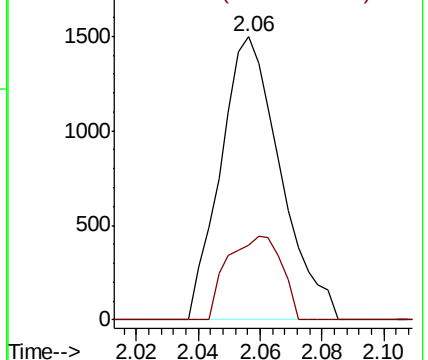
50 100

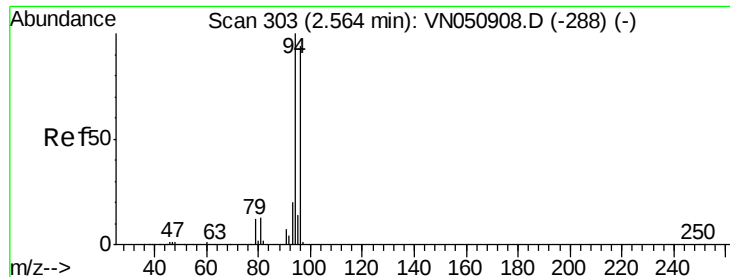
52 26.3 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

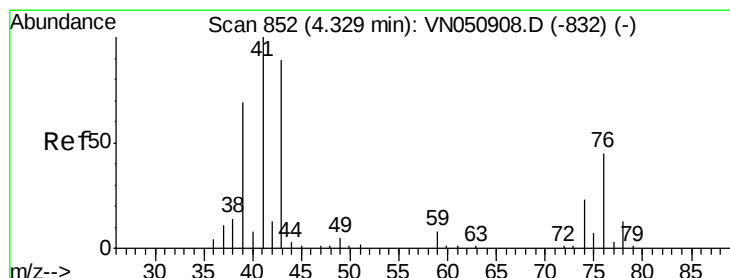
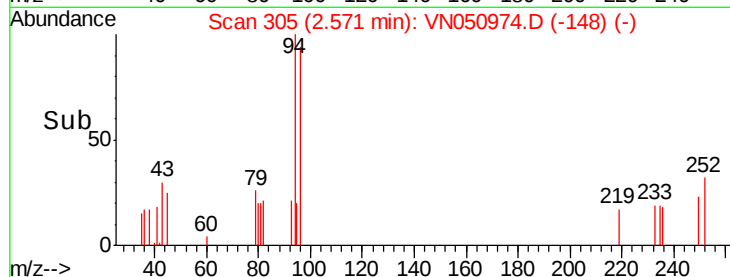
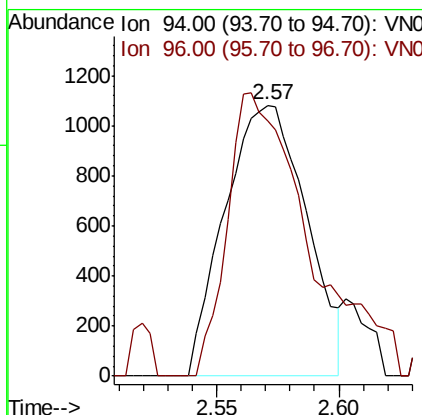
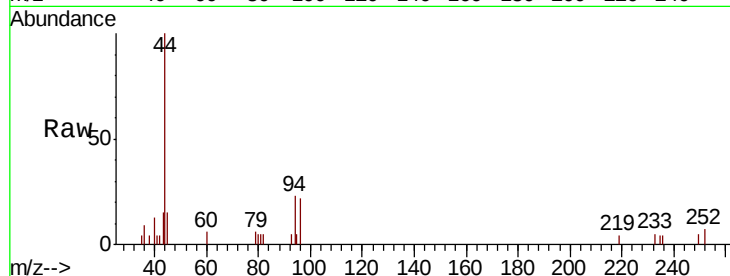




#5
Bromomethane
Concen: 0.53 ug/l
RT: 2.57 min Scan# 305
Delta R.T. 0.01 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

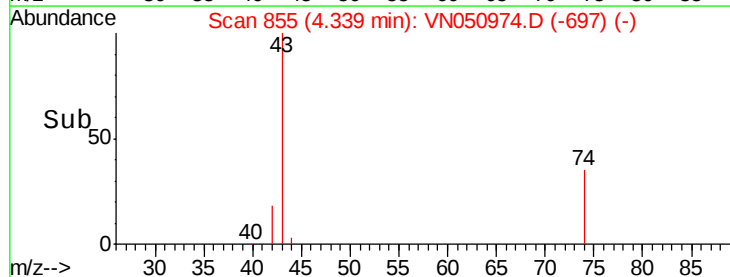
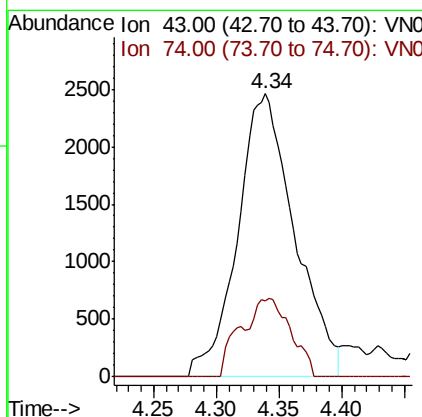
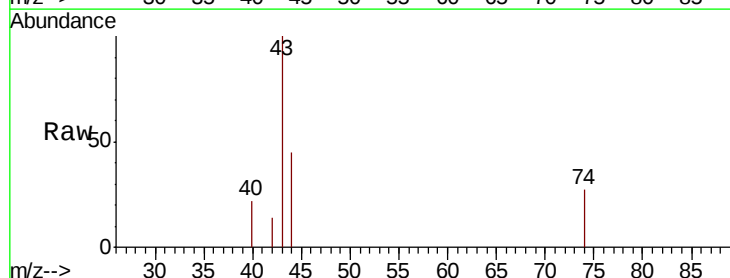
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

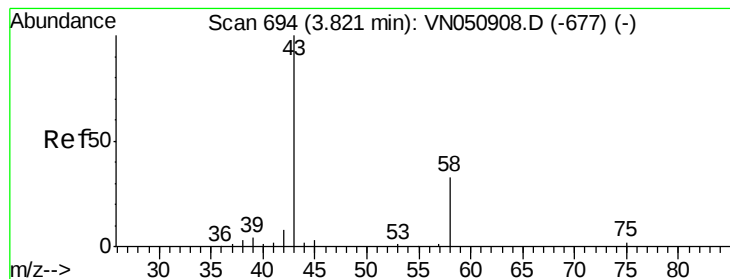
Tot Ion: 94 Resp: 2511
Ion Ratio Lower Upper
94 100
96 94.1 74.9 112.3



#12
Methyl Acetate
Concen: 1.17 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

Tgt Ion: 43 Resp: 7785
Ion Ratio Lower Upper
43 100
74 28.5 20.6 31.0





#15

Acetone

Concen: 0.36 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN050974.D

Acq: 30 Aug 2018 20:23

Instrument :

MSVOA_N

ClientSampleId :

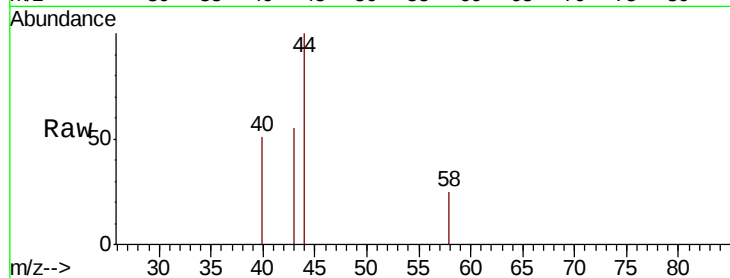
SPDES-1

Tot Ion: 58 Resp: 210

Ion Ratio Lower Upper

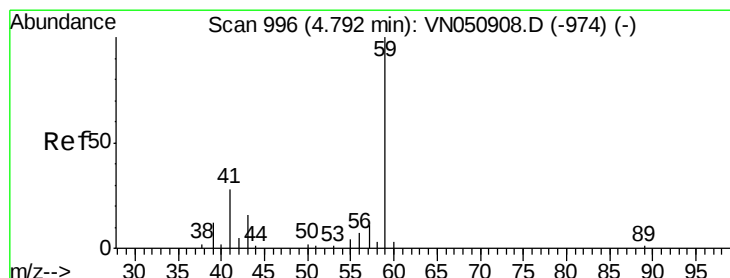
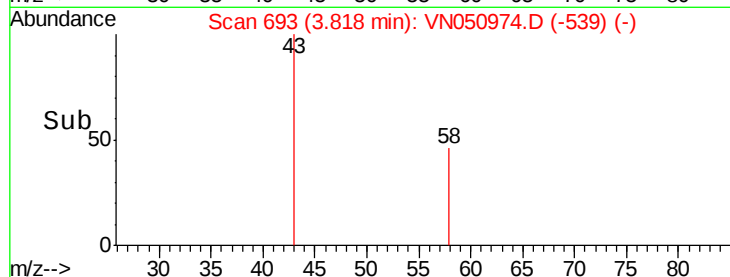
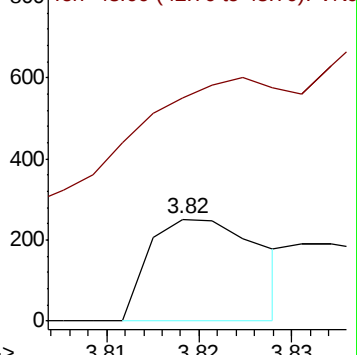
58 100

43 44.0 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.24 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN050974.D

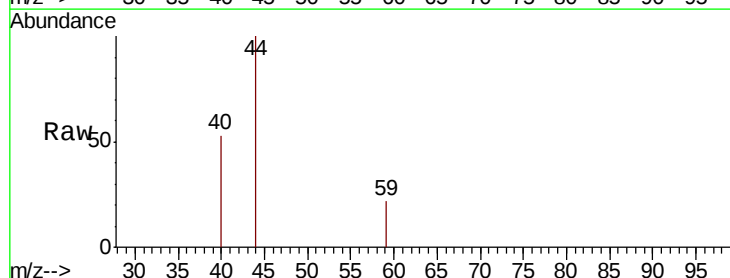
Acq: 30 Aug 2018 20:23

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

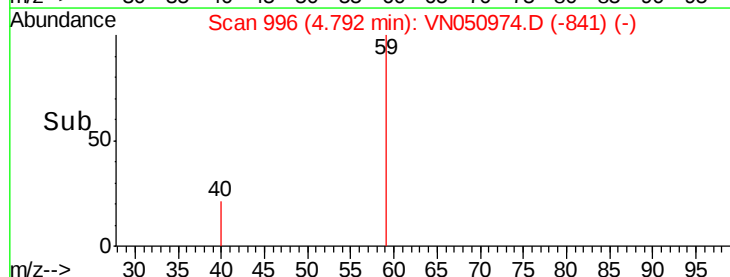
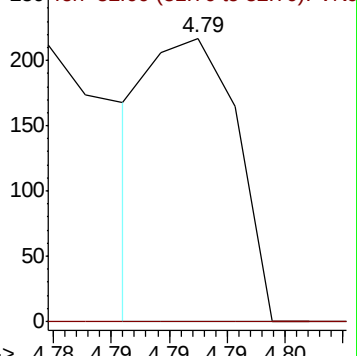
59 100

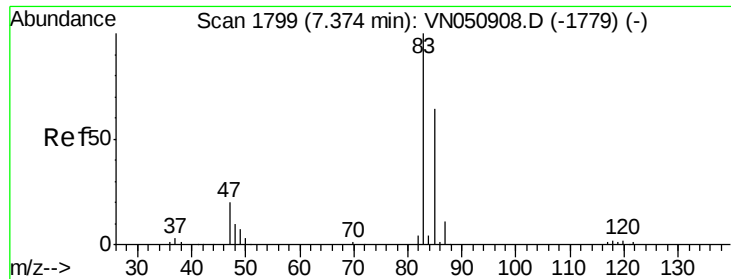
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

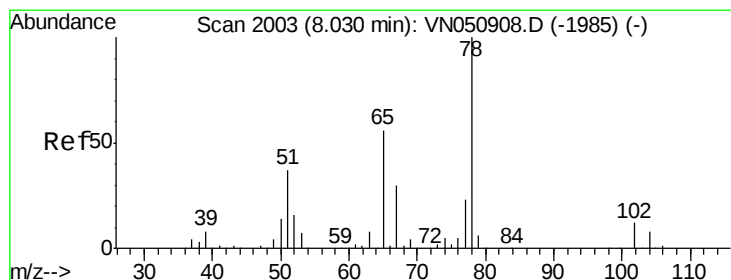
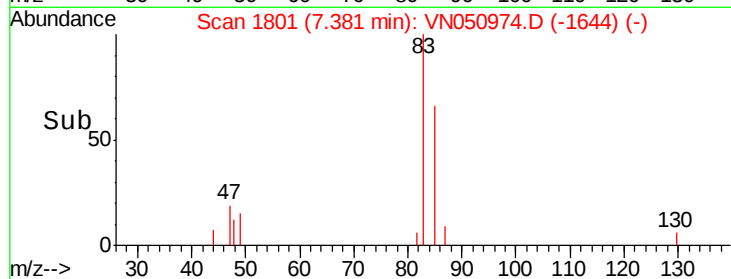
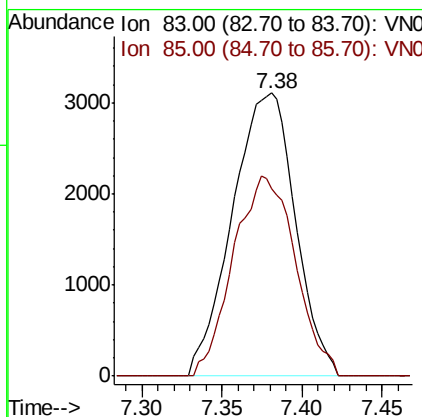
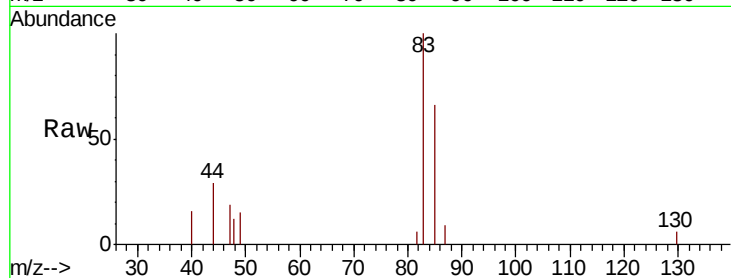




#25
Chloroform
Concen: 0.73 ug/l
RT: 7.38 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

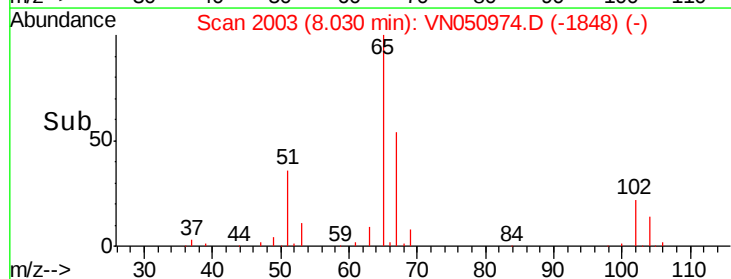
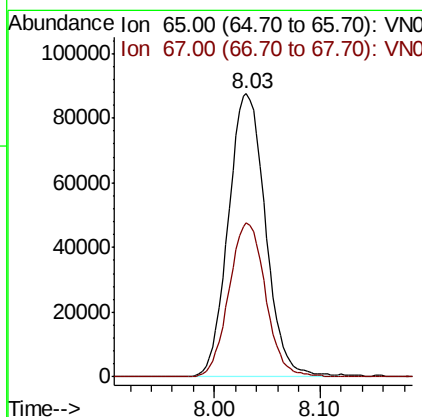
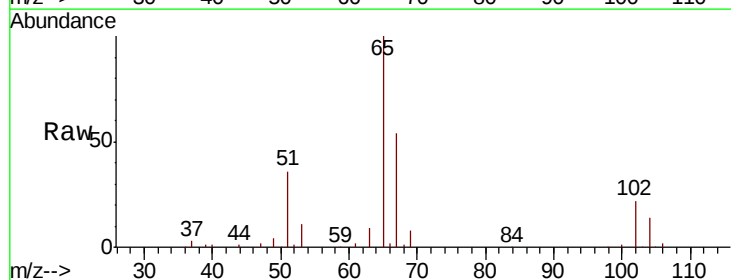
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

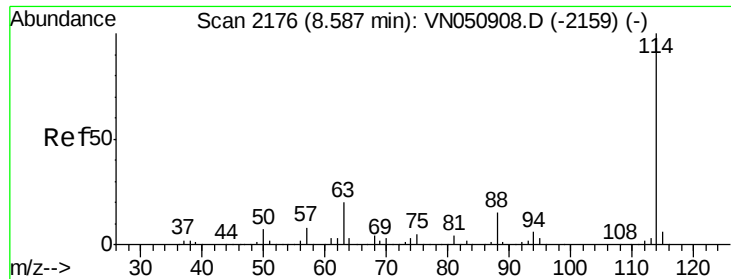
Tot Ion: 83 Resp: 8417
Ion Ratio Lower Upper
83 100
85 66.4 51.4 77.0



#27
1,2-Dichloroethane-d4
Concen: 31.37 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

Tgt Ion: 65 Resp: 214047
Ion Ratio Lower Upper
65 100
67 53.6 43.7 65.5

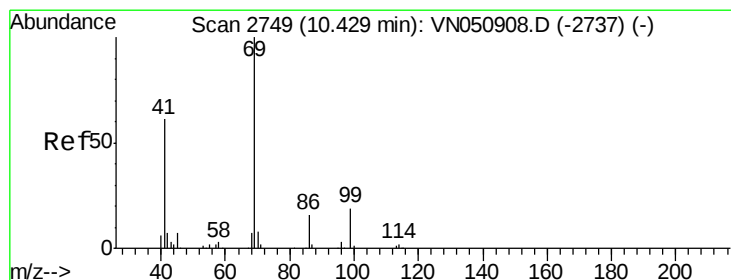
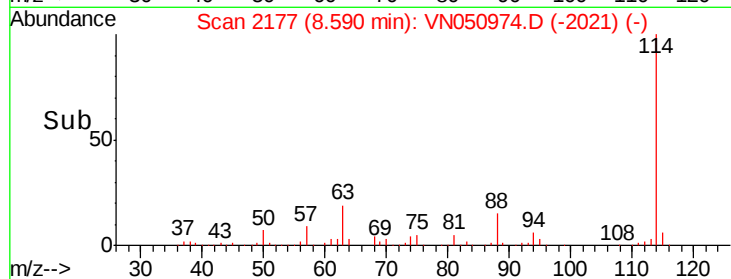
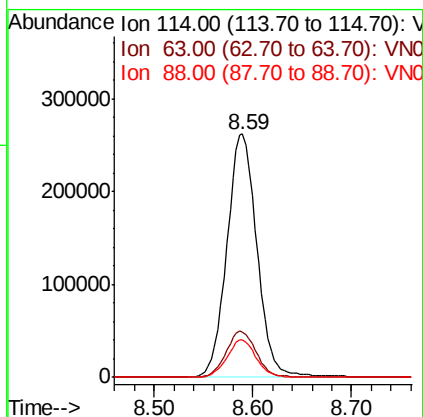
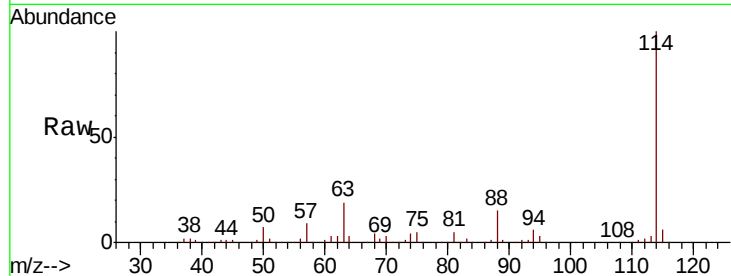




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050974.D
 Acq: 30 Aug 2018 20:23

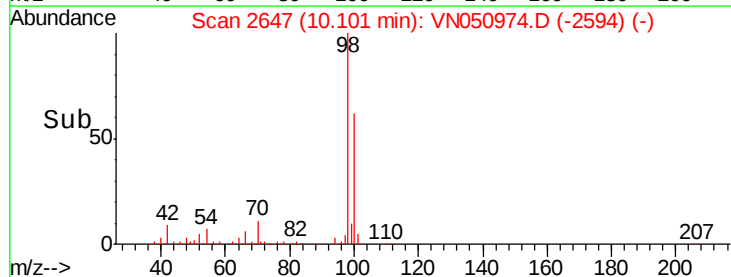
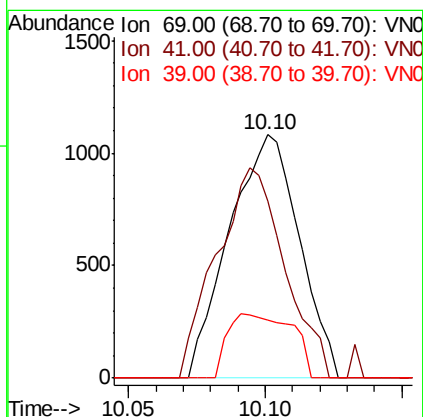
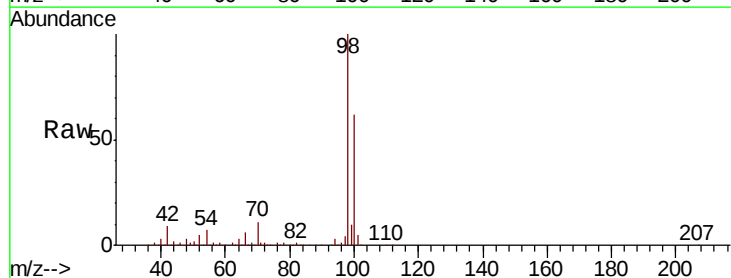
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

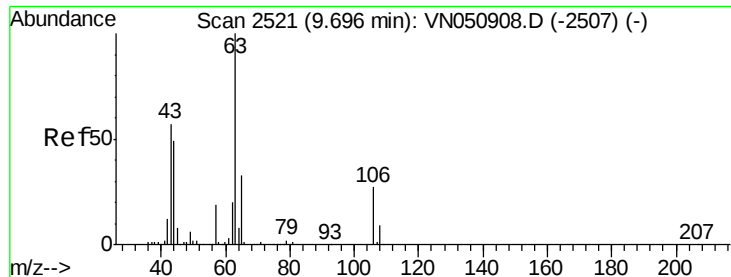
Tot Ion:114 Resp: 558826
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.6 23.4
 88 15.1 12.2 18.4



#51
 Ethyl methacrylate
 Concen: 0.27 ug/l
 RT: 10.10 min Scan# 2647
 Delta R.T. -0.33 min
 Lab File: VN050974.D
 Acq: 30 Aug 2018 20:23

Tgt Ion: 69 Resp: 1927
 Ion Ratio Lower Upper
 69 100
 41 72.8 30.5 91.5
 39 23.9 15.3 45.8

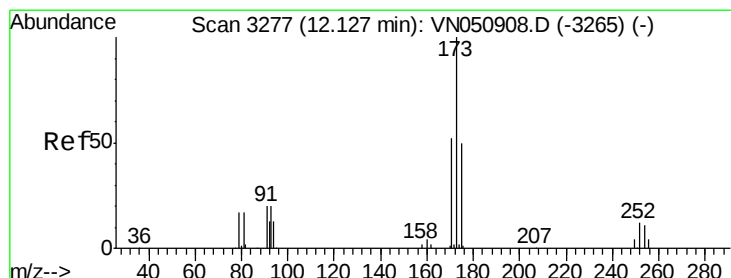
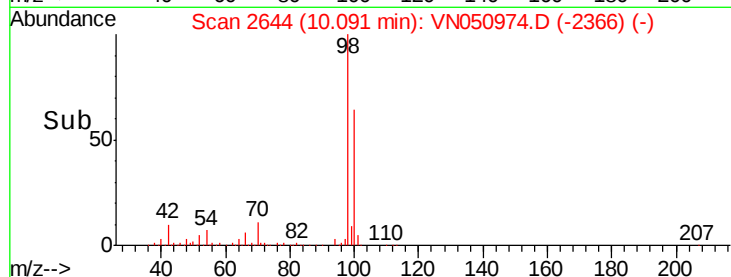
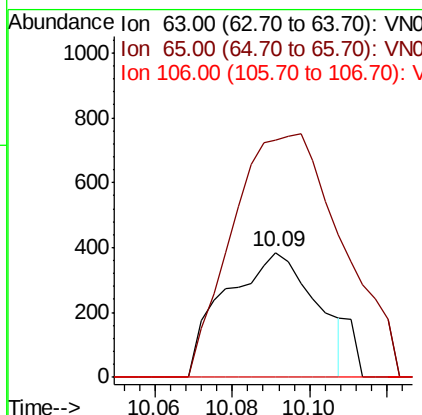
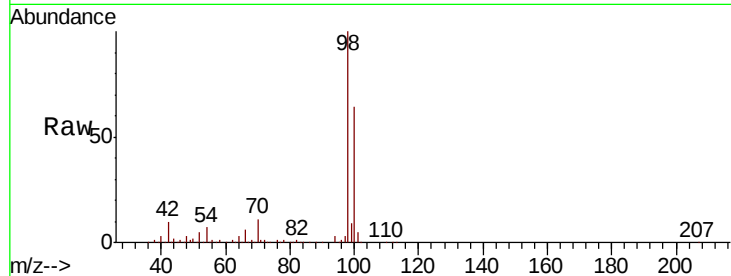




#55
2-Chloroethyl vinyl ether
Concen: 0.21 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.40 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

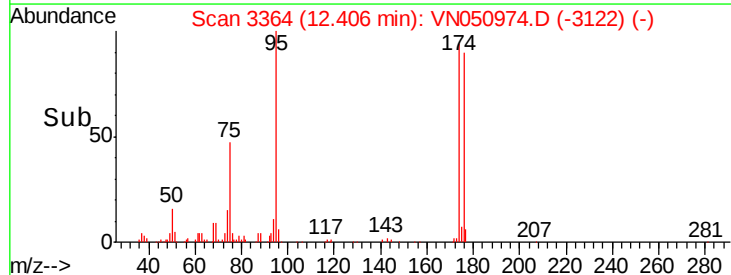
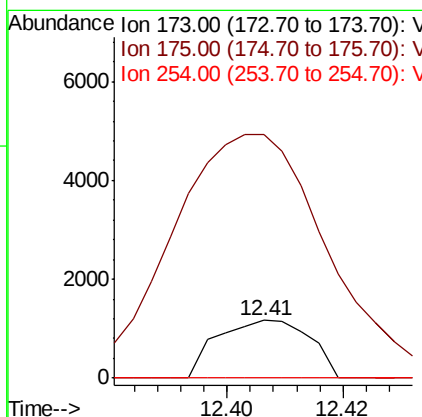
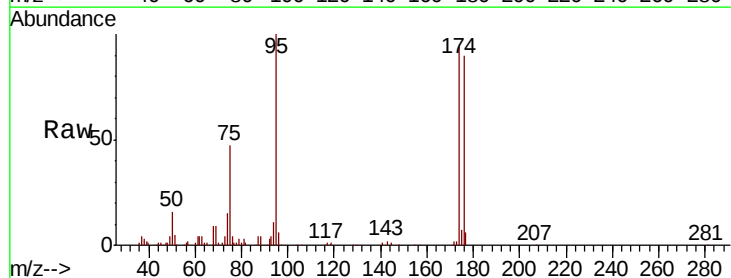
Instrument :
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ClientSampleId :
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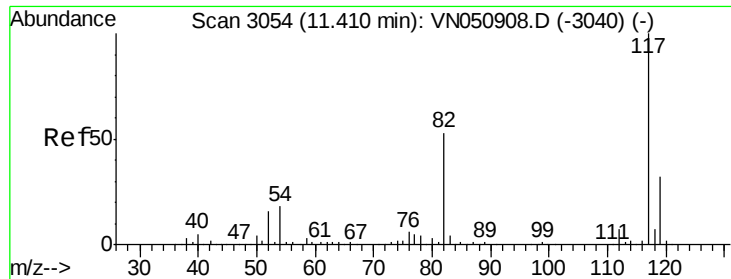
Tot Ion: 63 Resp: 627
Ion Ratio Lower Upper
63 100
65 234.9 25.4 38.2#
106 0.0 22.0 33.0#



#56
Bromoform
Concen: 0.27 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

Tgt Ion: 173 Resp: 1295
Ion Ratio Lower Upper
173 100
175 714.8 39.2 58.8#
254 0.0 9.0 13.6#

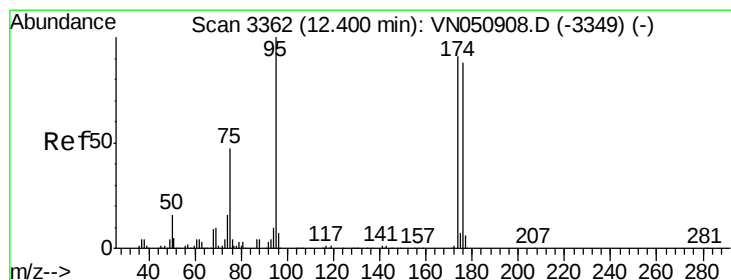
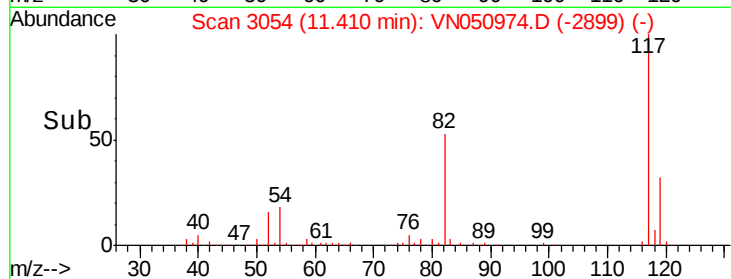
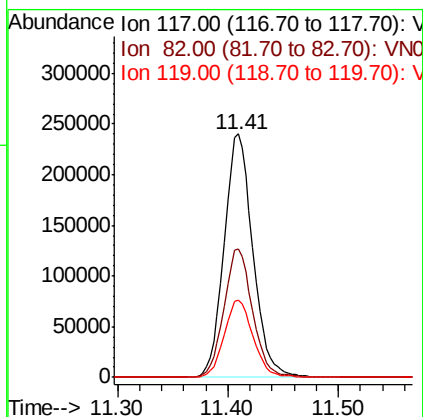
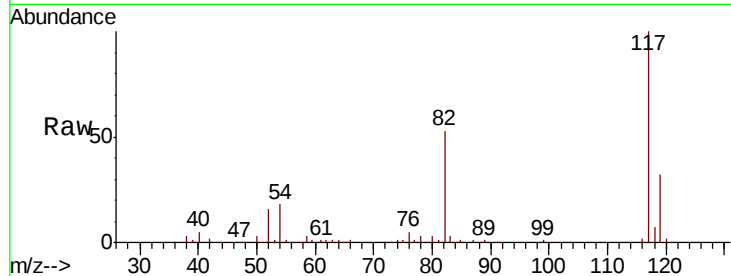




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

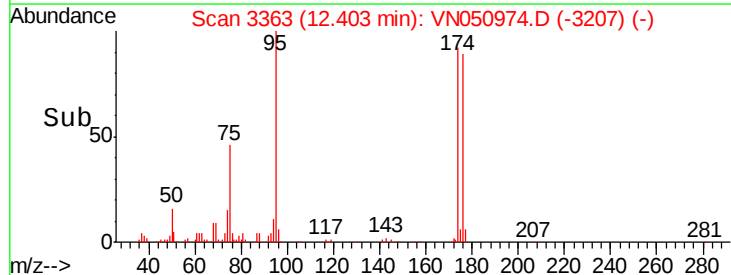
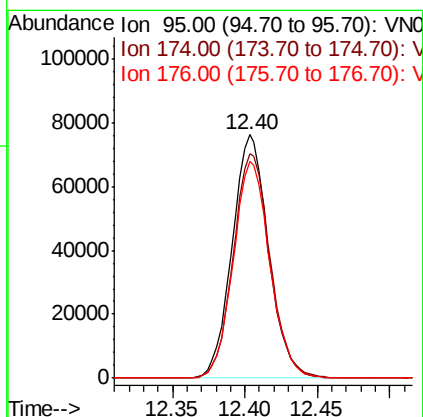
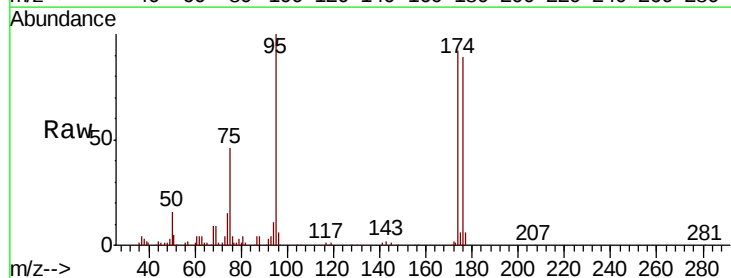
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

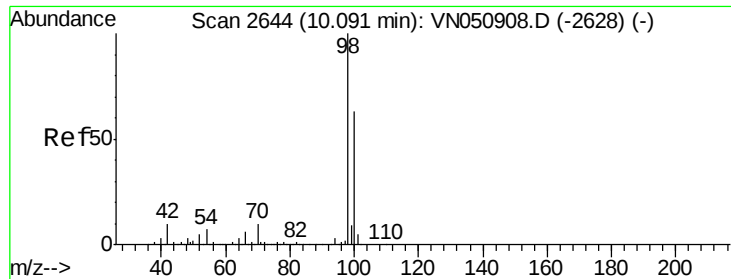
Tot Ion:117 Resp: 433721
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 31.9 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 20.49 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050974.D
Acq: 30 Aug 2018 20:23

Tgt Ion: 95 Resp: 132181
Ion Ratio Lower Upper
95 100
174 93.9 74.6 112.0
176 89.8 71.5 107.3





#63

Toluene-d8

Concen: 30.57 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050974.D

Acq: 30 Aug 2018 20:23

Instrument :

MSVOA_N

ClientSampleId :

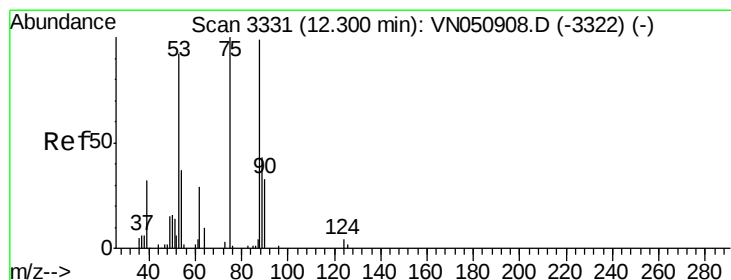
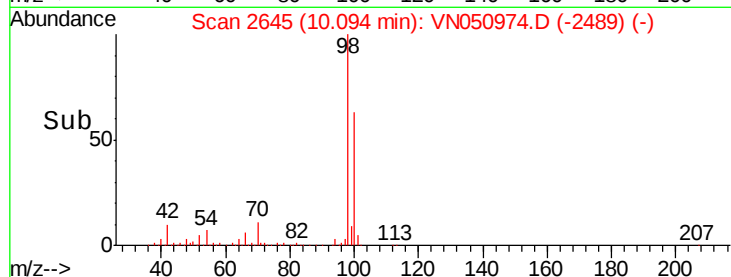
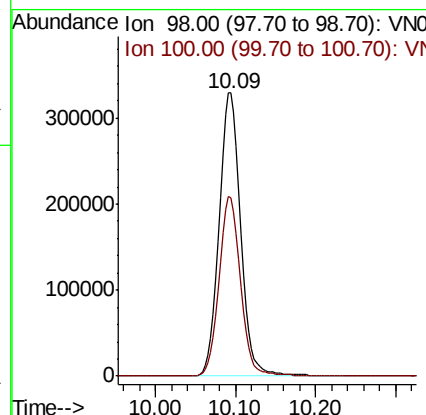
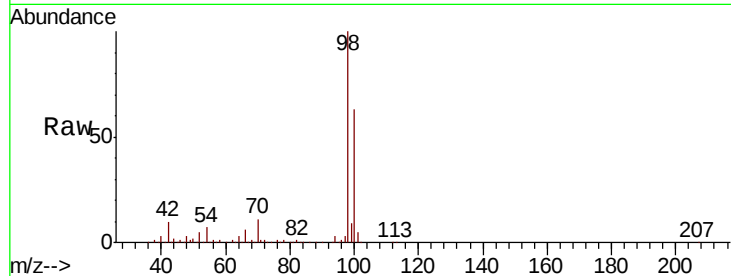
SPDES-1

Tot Ion: 98 Resp: 618304

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8



#77

t-1,4-Dichloro-2-butene

Concen: 37.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050974.D

Acq: 30 Aug 2018 20:23

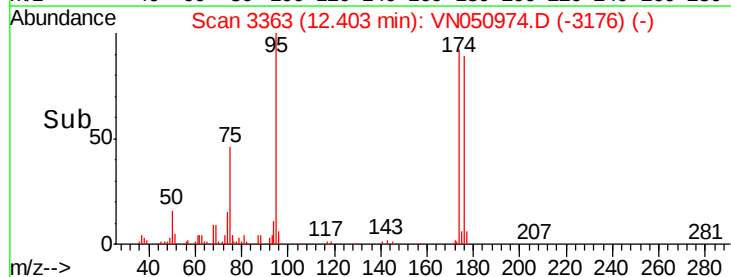
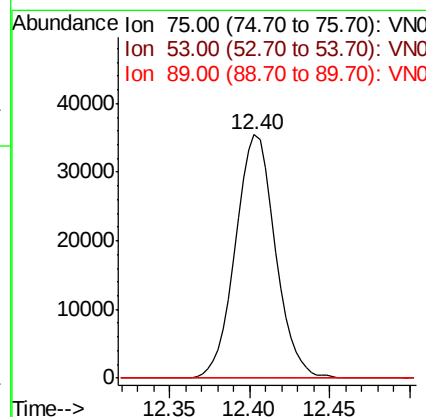
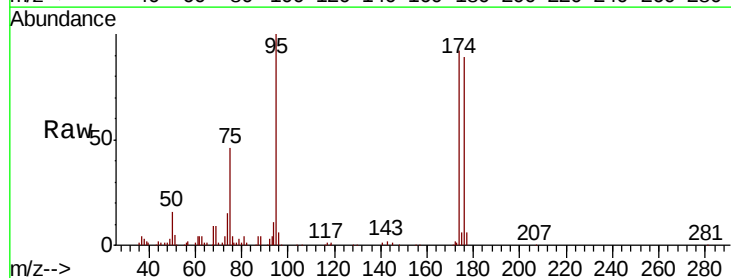
Tgt Ion: 75 Resp: 60320

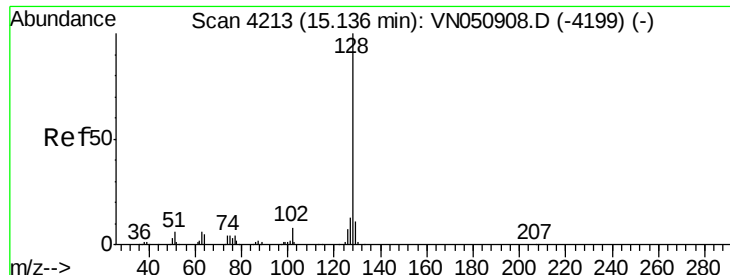
Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

89 0.0 21.9 65.8#





#91

Naphthalene

Concen: 8.61 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN050974.D

Acq: 30 Aug 2018 20:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

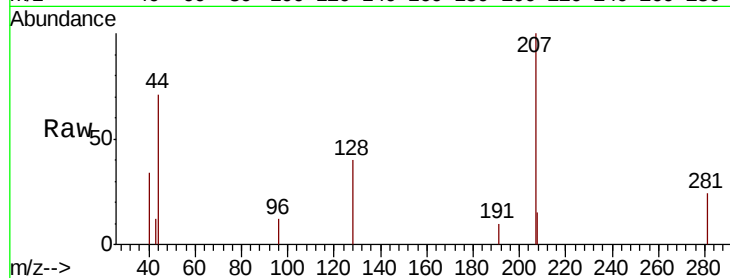
Tot Ion:128 Resp: 469

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



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

