

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052356.D
 Acq On : 16 Nov 2018 11:27
 Operator : MD\SY
 Sample : J5973-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Nov 16 22:34:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	43445	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	248021	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	208475	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	115124	35.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	119.00%
60) 4-Bromofluorobenzene	12.40	95	84668	25.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.63%
63) Toluene-d8	10.09	98	296123	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

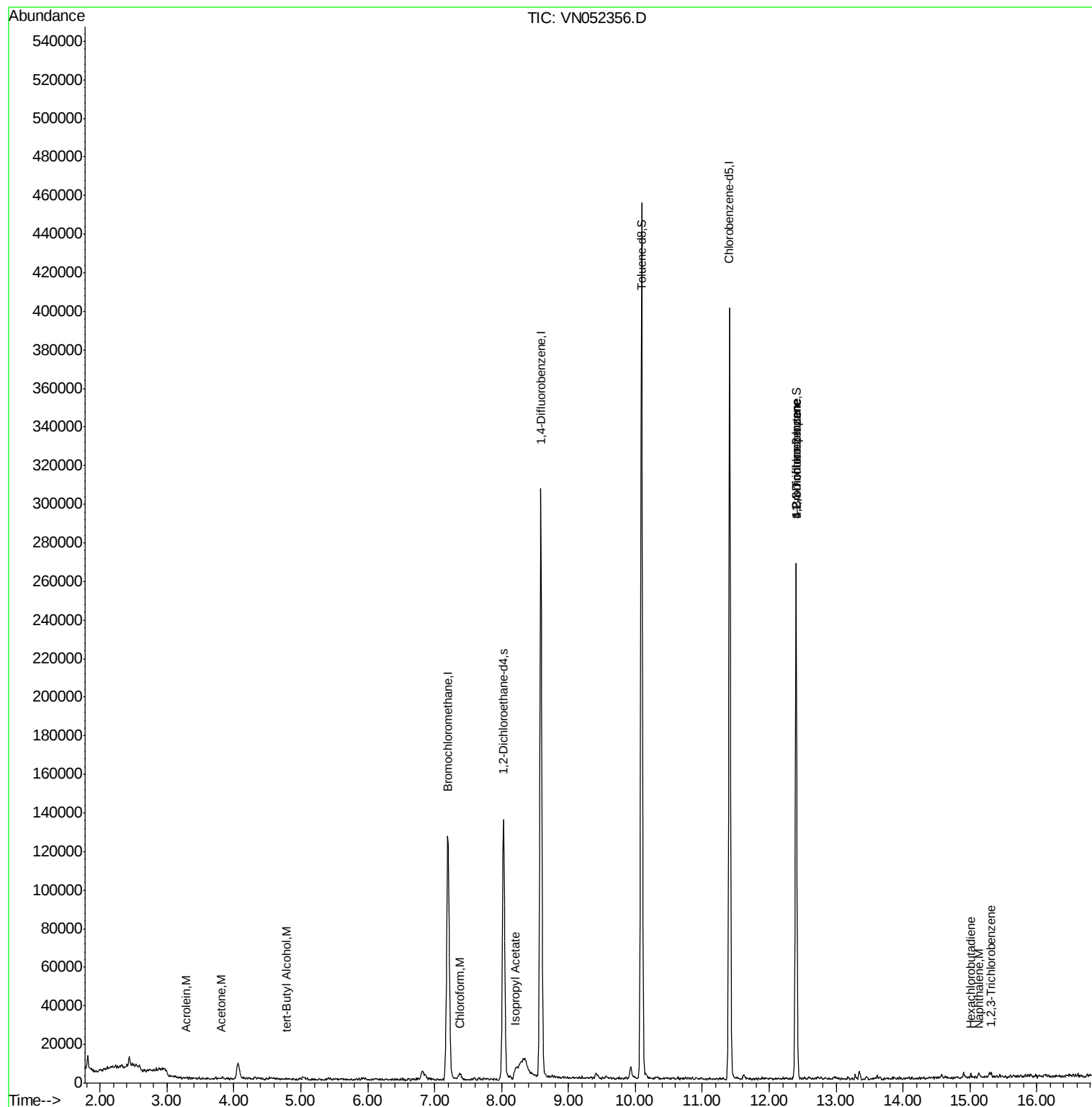
					Ovalue	
13) Acrolein	3.28	56	102	0.476	ug/l #	15
15) Acetone	3.81	58	60	0.283	ug/l #	1
23) tert-Butyl Alcohol	4.79	59	150	1.074	ug/l #	45
25) Chloroform	7.37	83	2901	0.558	ug/l	88
44) Isopropyl Acetate	8.19	43	1092	0.250	ug/l #	56
72) 1,2,3-Trichloropropane	12.40	75	48152	19.989	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	48152	63.884	ug/l #	9
90) Hexachlorobutadiene	15.01	225	285	0.277	ug/l	95
91) Naphthalene	15.13	128	1328	0.306	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.31	180	481	0.293	ug/l #	46

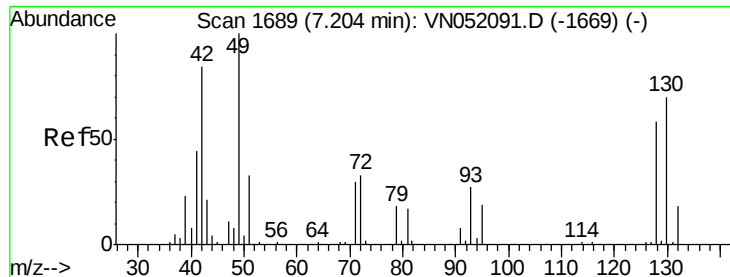
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
Data File : VN052356.D
Acq On : 16 Nov 2018 11:27
Operator : MD\SY
Sample : J5973-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Quant Time: Nov 16 22:34:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

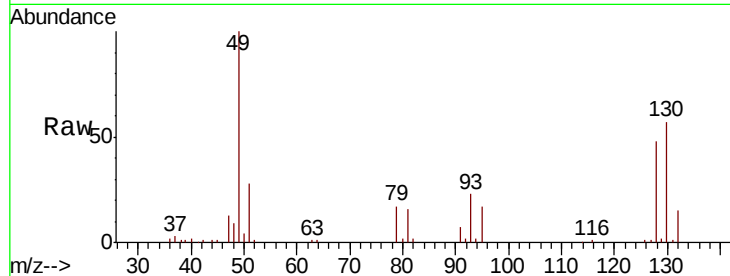




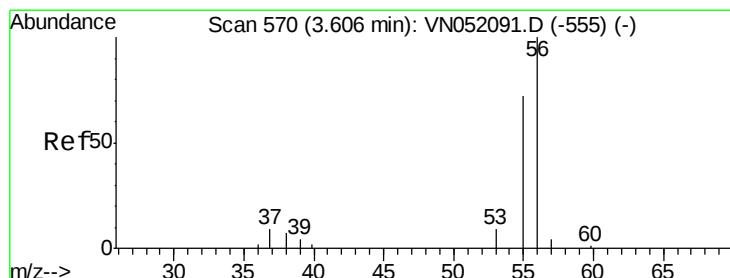
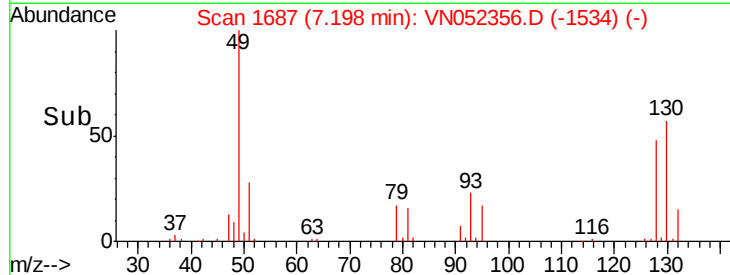
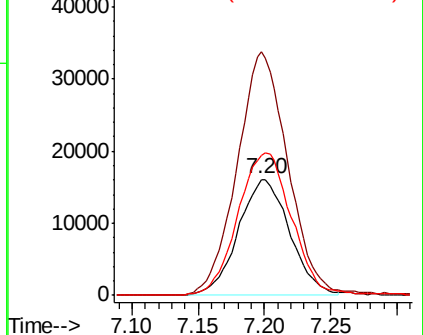
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion:128 Resp: 43445
Ion Ratio Lower Upper
128 100
49 207.6 0.0 453.7
130 128.2 0.0 308.8

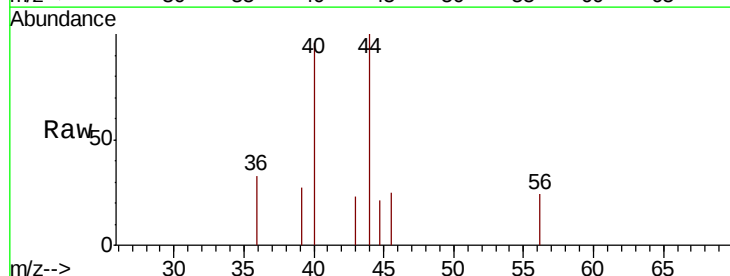


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

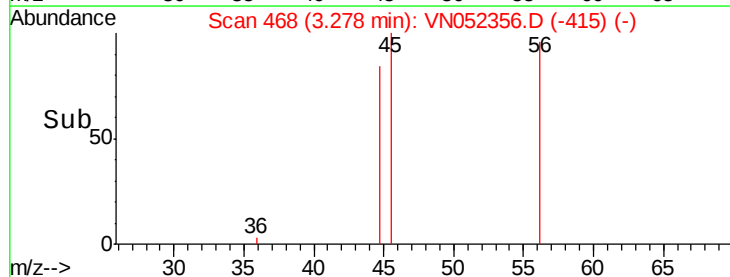
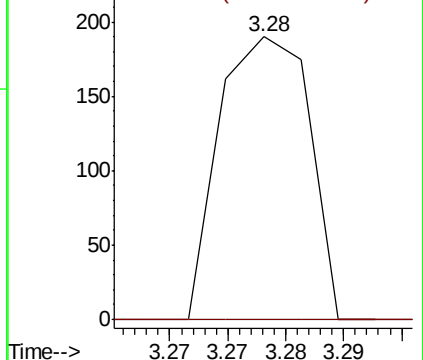


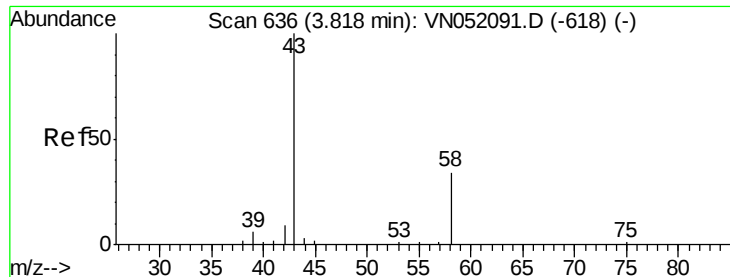
#13
Acrolein
Concen: 0.476 ug/l
RT: 3.28 min Scan# 468
Delta R.T. -0.33 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN





#15

Acetone

Concen: 0.283 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052356.D

Acq: 16 Nov 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

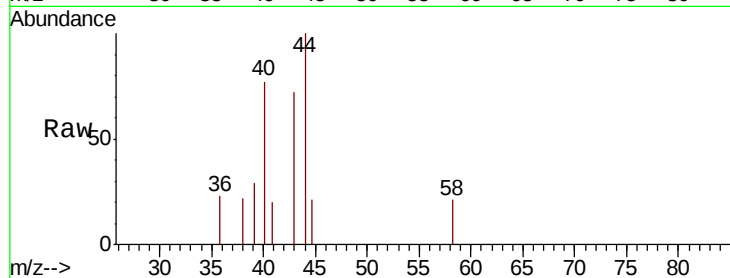
SPDES-1

Tot Ion: 58 Resp: 60

Ion Ratio Lower Upper

58 100

43 43.4 234.7 352.1#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

600

500

400

300

200

100

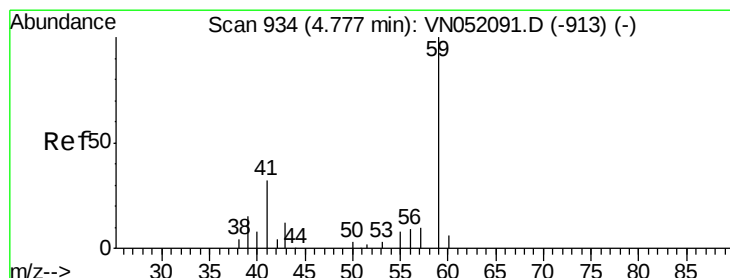
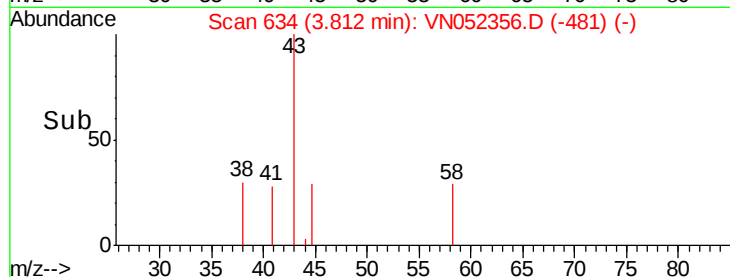
0

3.81

3.81

3.81

Time-->



#23

tert-Butyl Alcohol

Concen: 1.074 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN052356.D

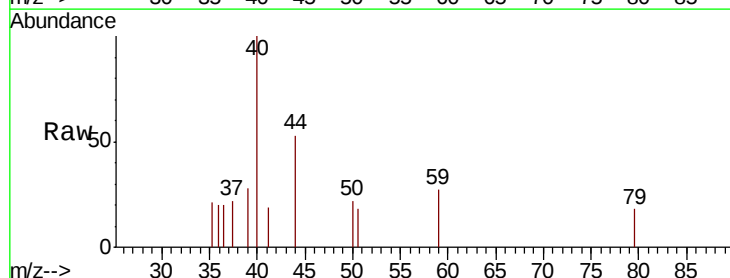
Acq: 16 Nov 2018 11:27

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

52 42.0 0.3 0.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

250

200

150

100

50

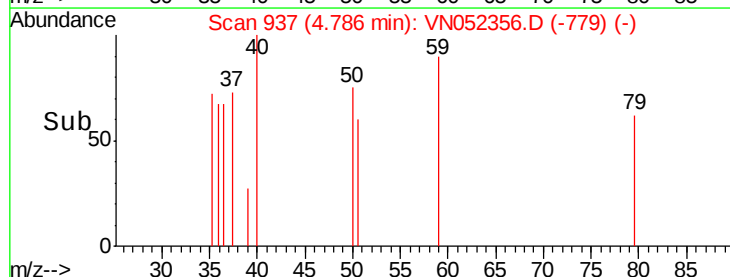
0

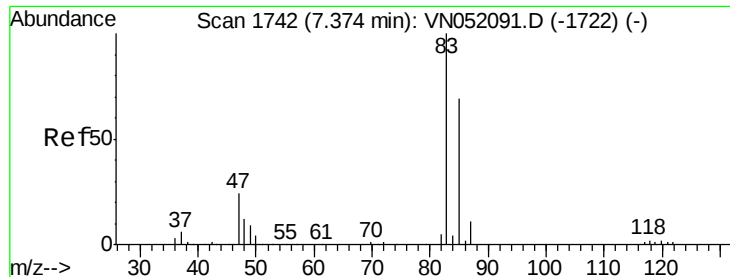
4.77

4.78

4.79

Time-->

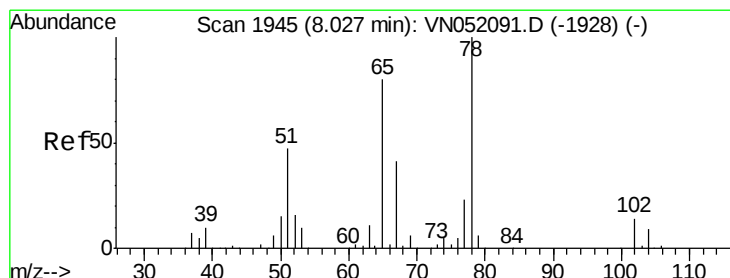
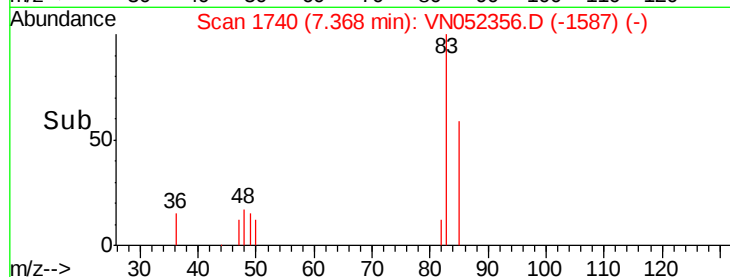
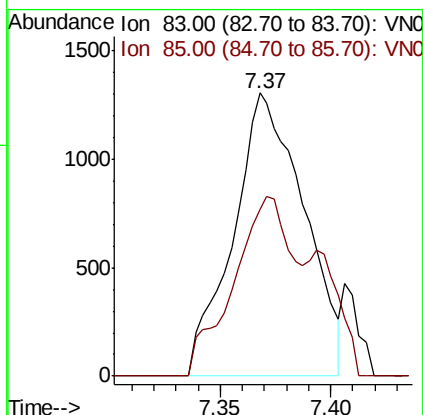
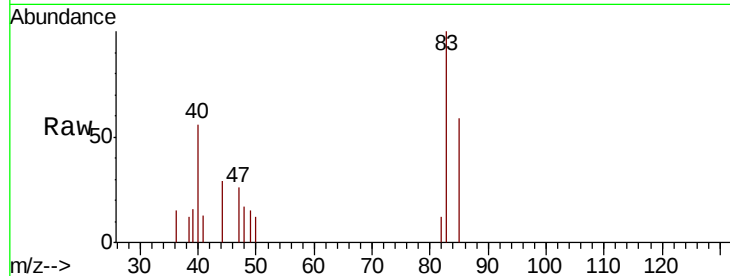




#25
Chloroform
Concen: 0.558 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

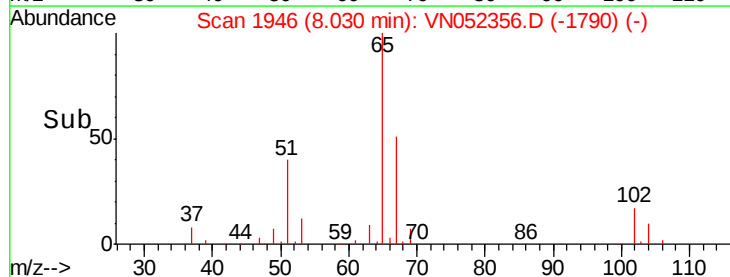
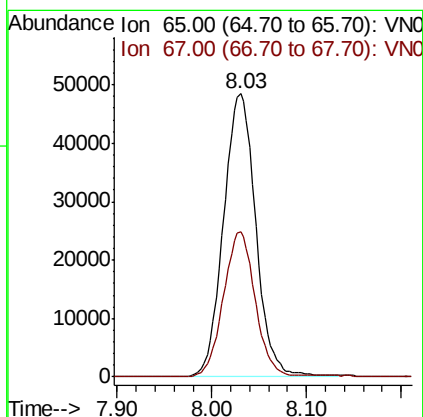
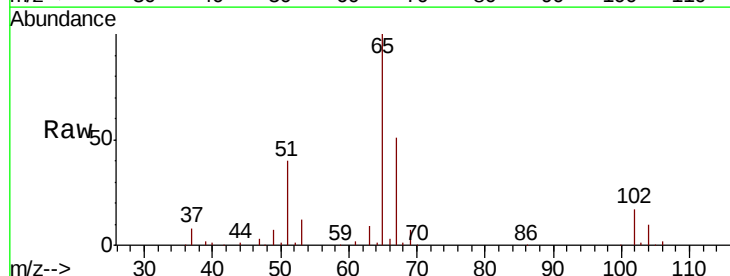
Instrument :
MSVOA_N
ClientSampled :
SPDES-1

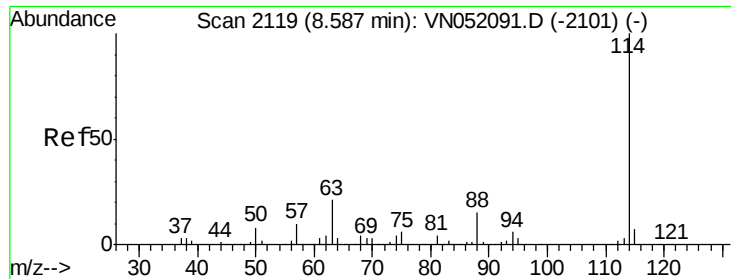
Tot Ion: 83 Resp: 2901
Ion Ratio Lower Upper
83 100
85 58.9 54.9 82.3



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Tgt Ion: 65 Resp: 115124
Ion Ratio Lower Upper
65 100
67 50.1 42.6 64.0

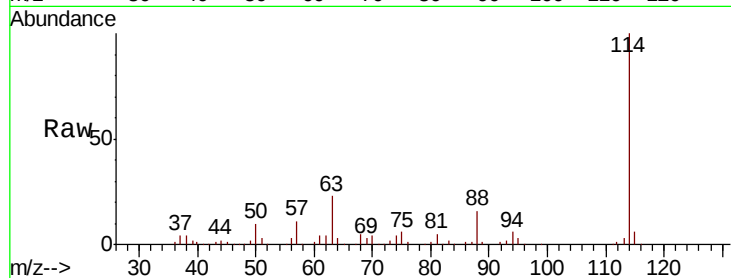




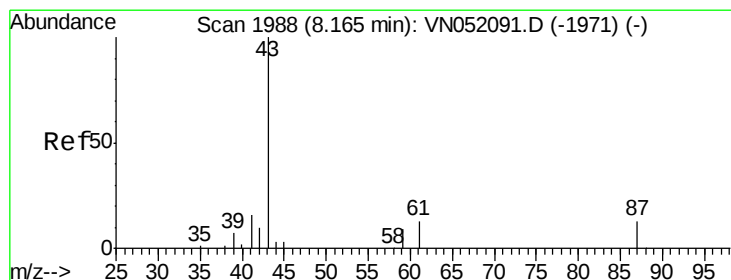
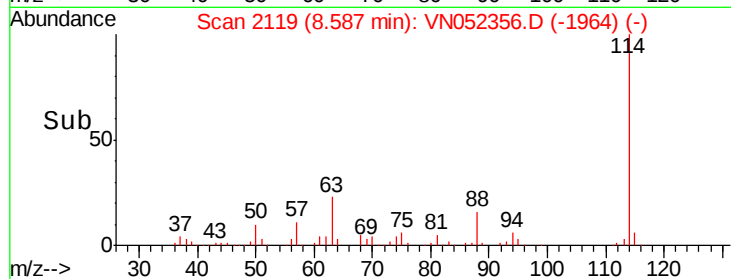
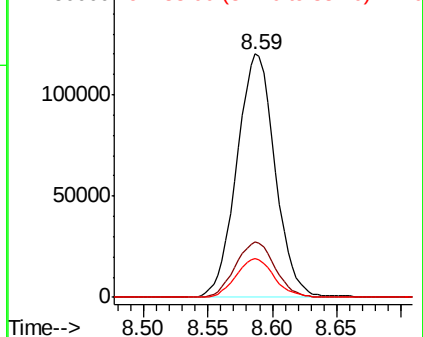
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052356.D
 Acq: 16 Nov 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Tot Ion:114 Resp: 248021
 Ion Ratio Lower Upper
 114 100
 63 23.4 17.5 26.3
 88 15.9 12.6 18.8

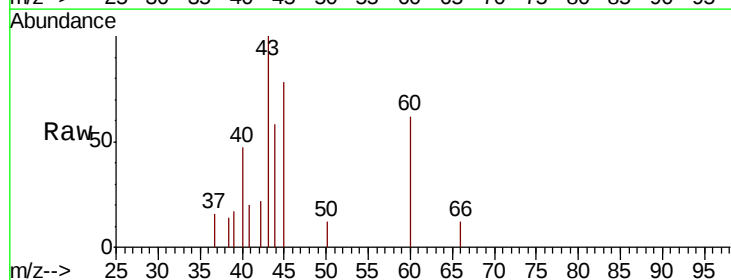


Abundance Ion 114.00 (113.70 to 114.70): VN052091.D (-2101) (-)
 Ion 63.00 (62.70 to 63.70): VN052091.D (-2101) (-)
 Ion 88.00 (87.70 to 88.70): VN052091.D (-2101) (-)

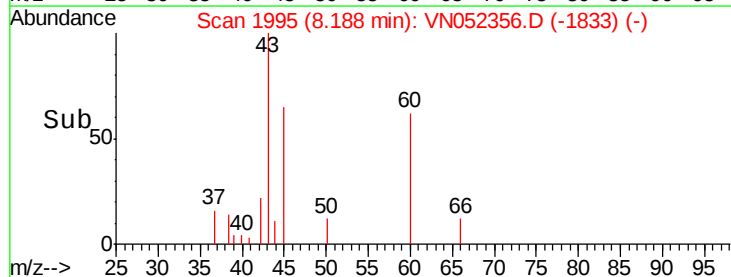
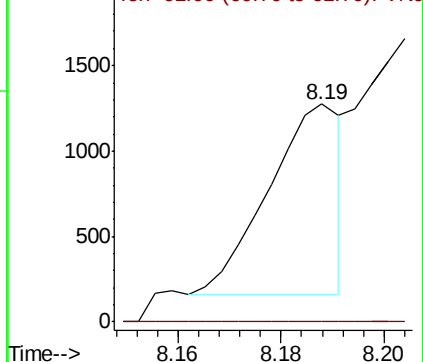


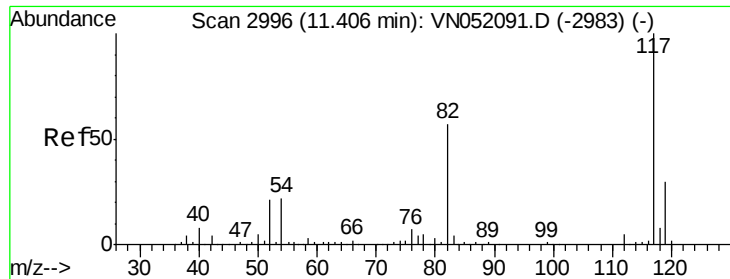
#44
 Isopropyl Acetate
 Concen: 0.250 ug/l
 RT: 8.19 min Scan# 1995
 Delta R.T. 0.02 min
 Lab File: VN052356.D
 Acq: 16 Nov 2018 11:27

Tgt Ion: 43 Resp: 1092
 Ion Ratio Lower Upper
 43 100
 61 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1971) (-)
 Ion 61.00 (60.70 to 61.70): VN052091.D (-1971) (-)

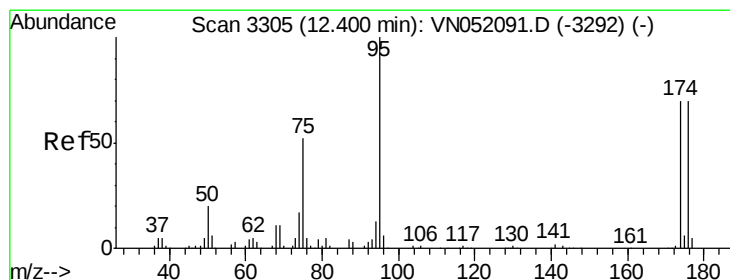
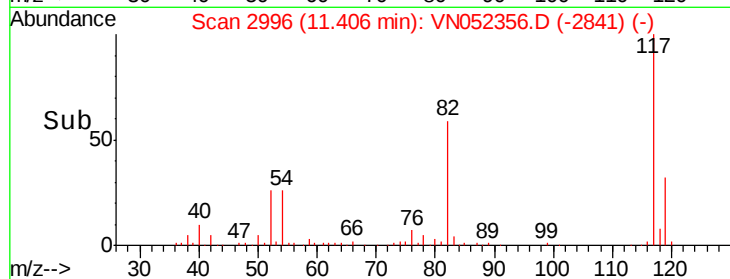
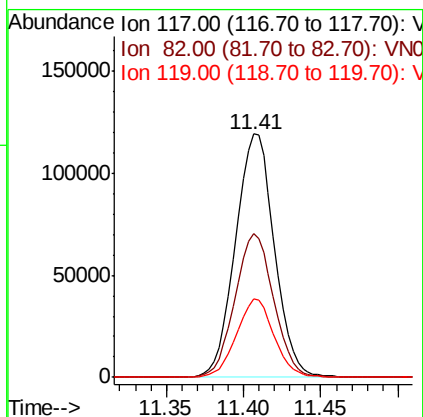
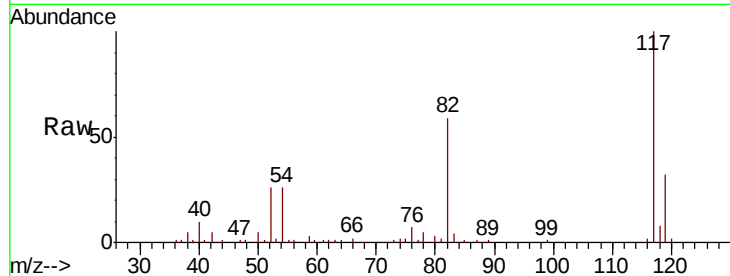




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

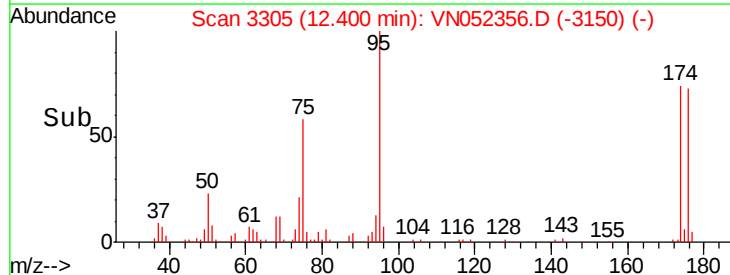
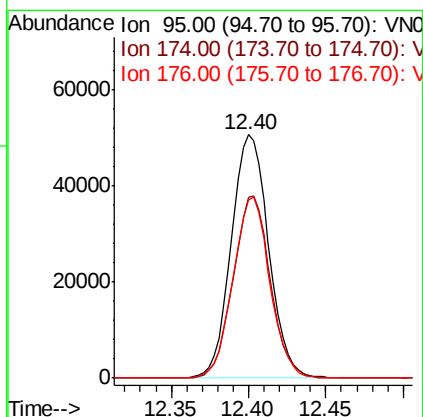
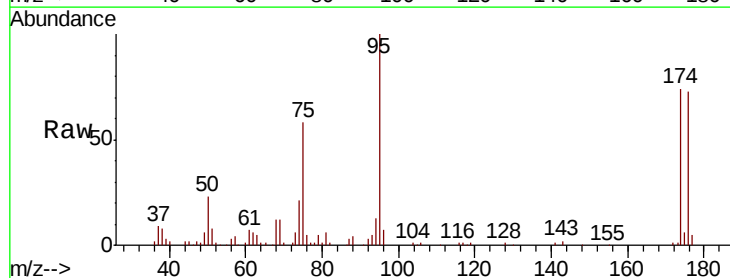
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

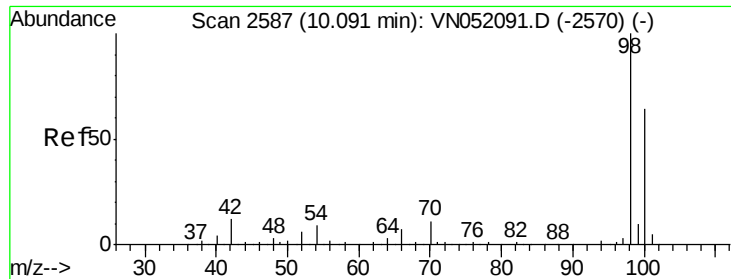
Tot Ion:117 Resp: 208475
Ion Ratio Lower Upper
117 100
82 58.8 45.0 67.6
119 31.3 24.2 36.4



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Tgt Ion: 95 Resp: 84668
Ion Ratio Lower Upper
95 100
174 74.3 55.0 82.6
176 73.3 54.2 81.4





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052356.D

Acq: 16 Nov 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

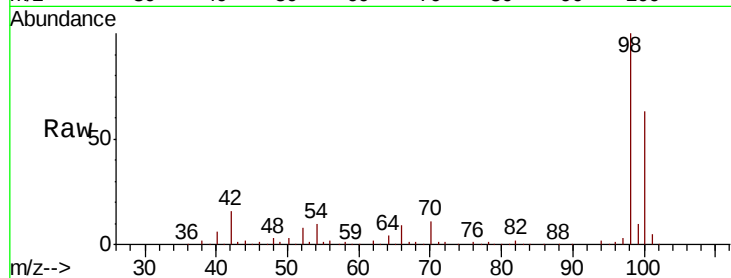
SPDES-1

Tot Ion: 98 Resp: 296123

Ion Ratio Lower Upper

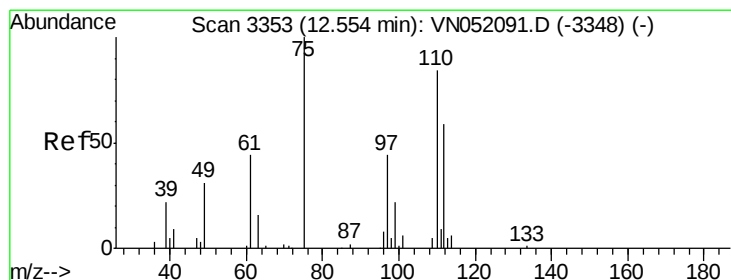
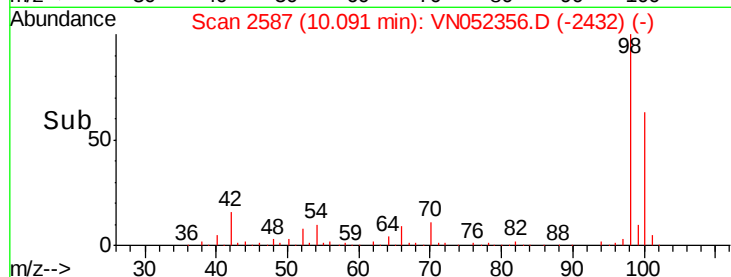
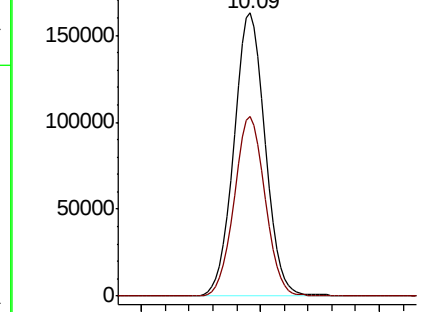
98 100

100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)



#72

1,2,3-Trichloropropane

Concen: 19.989 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052356.D

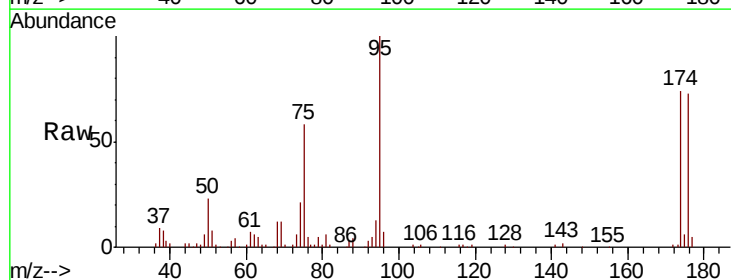
Acq: 16 Nov 2018 11:27

Tgt Ion: 75 Resp: 48152

Ion Ratio Lower Upper

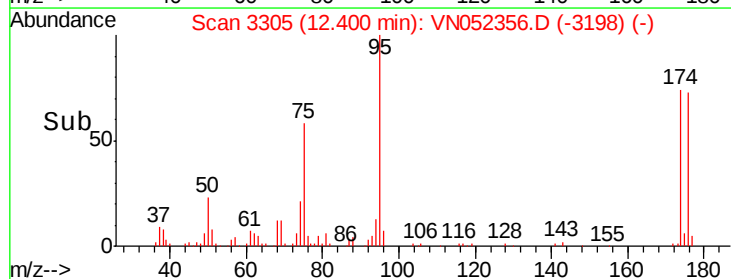
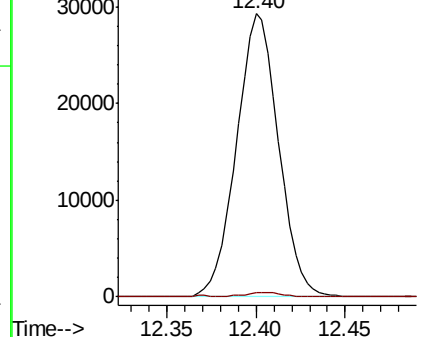
75 100

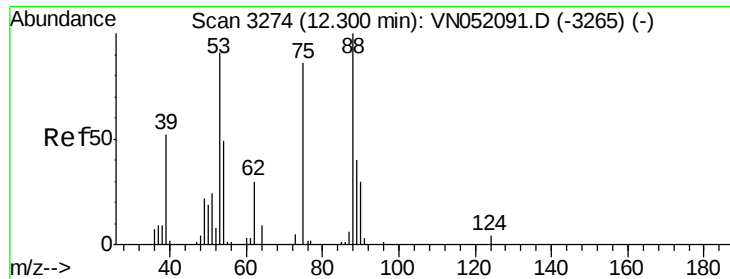
77 1.3 0.0 481.8



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3348) (-)

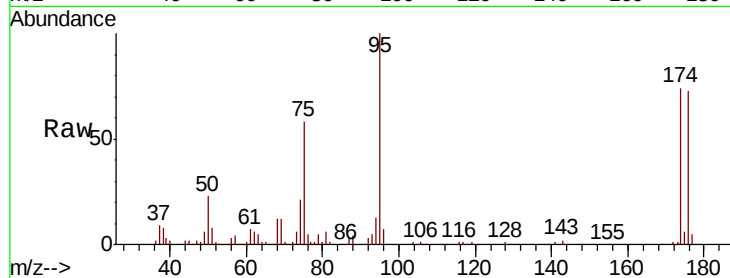




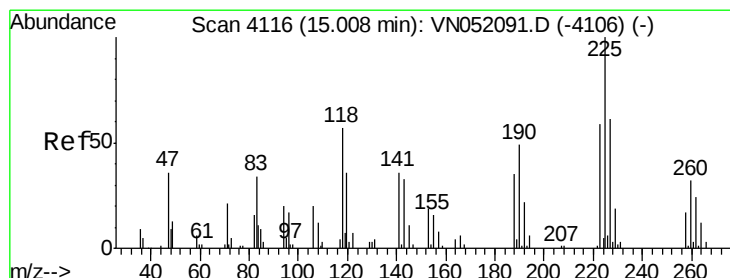
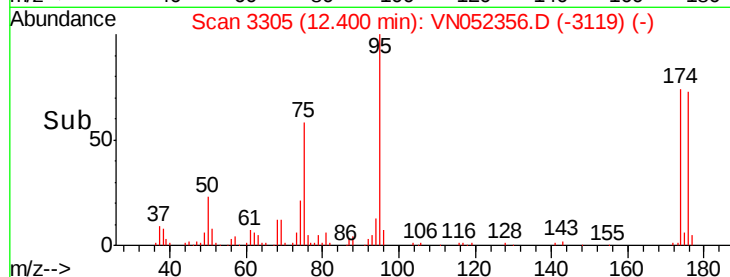
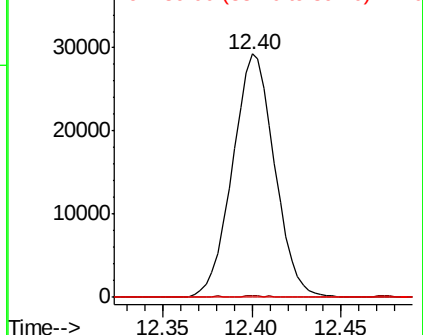
#77
t-1,4-Dichloro-2-butene
Concen: 63.884 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion: 75 Resp: 48152
Ion Ratio Lower Upper
75 100
53 0.5 50.7 152.1#
89 0.0 23.8 71.5#

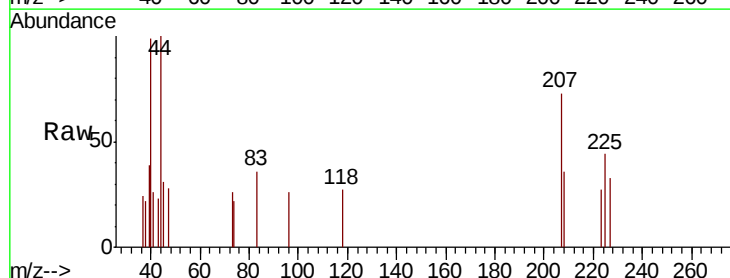


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

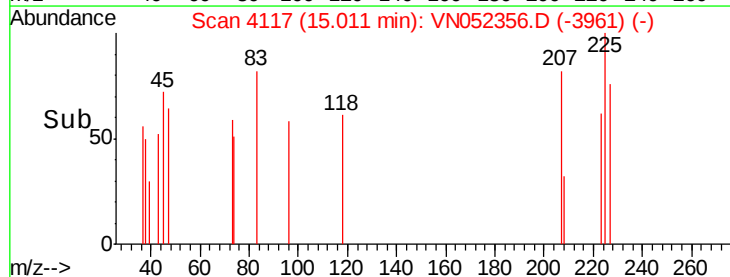
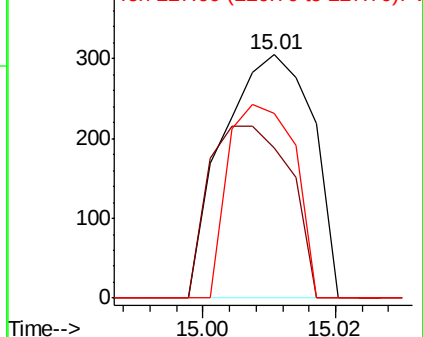


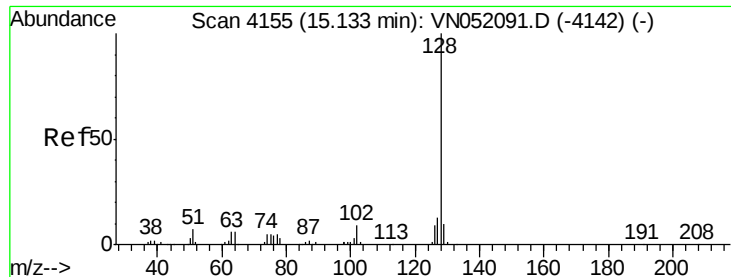
#90
Hexachlorobutadiene
Concen: 0.277 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052356.D
Acq: 16 Nov 2018 11:27

Tgt Ion: 225 Resp: 285
Ion Ratio Lower Upper
225 100
223 64.2 0.0 121.2
227 59.3 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 0.306 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052356.D

Acq: 16 Nov 2018 11:27

Instrument :

MSVOA_N

ClientSampled :

SPDES-1

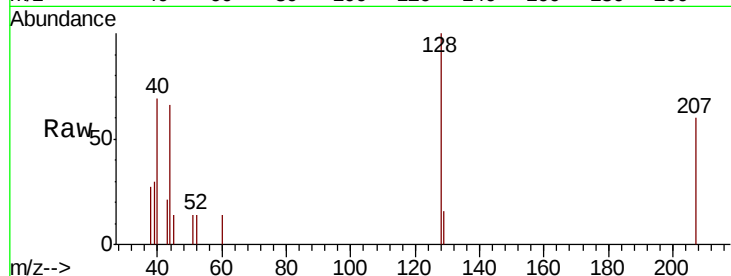
Tot Ion:128 Resp: 1328

Ion Ratio Lower Upper

128 100

127 7.2 10.4 15.6#

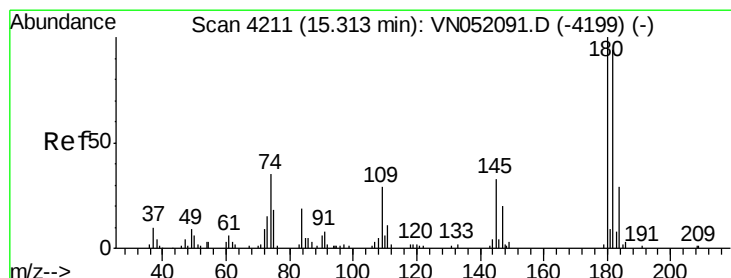
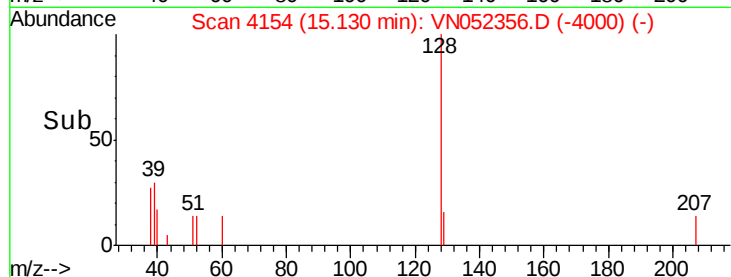
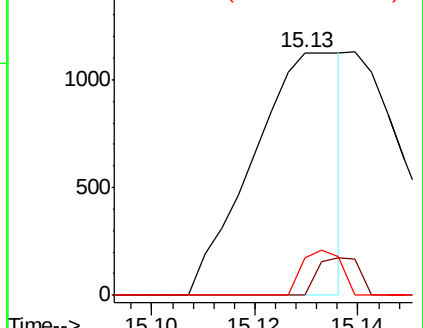
129 8.2 8.3 12.5#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.293 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052356.D

Acq: 16 Nov 2018 11:27

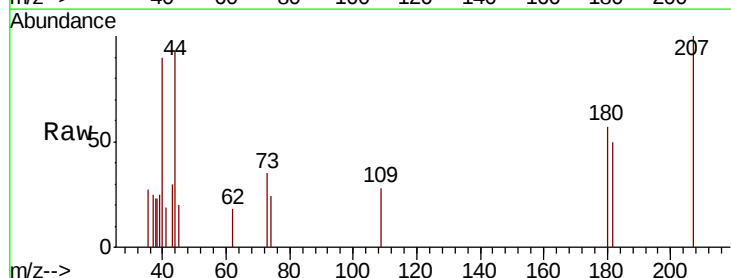
Tgt Ion:180 Resp: 481

Ion Ratio Lower Upper

180 100

182 143.0 0.0 186.6

145 0.0 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

