

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052544.D
 Acq On : 29 Nov 2018 3:00
 Operator : MD\SY
 Sample : J6120-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Nov 29 07:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179222	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1021506	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	839177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	363005	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	339675	26.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.23%
63) Toluene-d8	10.09	98	1181844	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

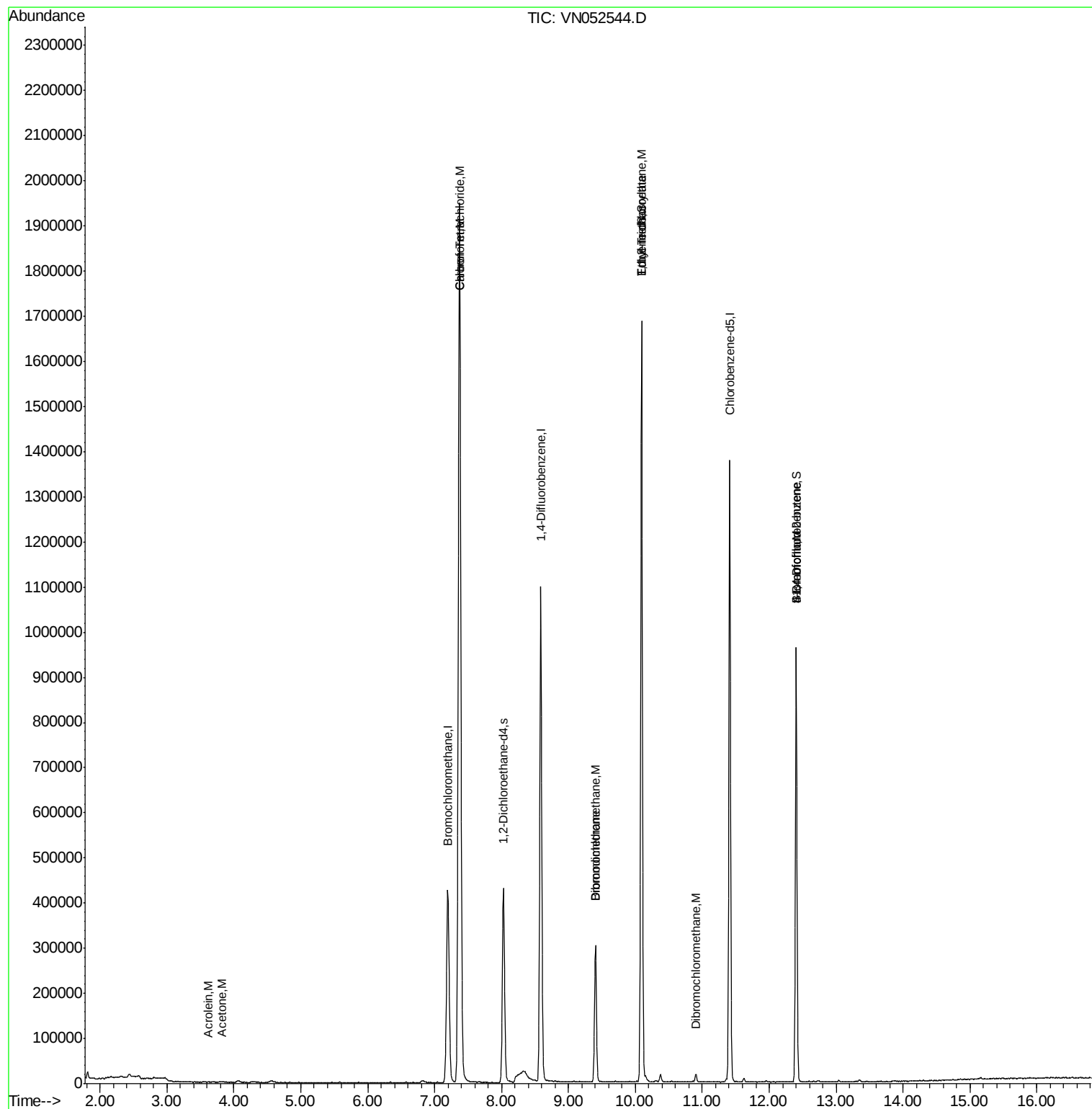
					Ovalue	
13) Acrolein	3.61	56	276	0.275	ug/l #	25
15) Acetone	3.81	58	484	0.514	ug/l #	43
25) Chloroform	7.37	83	2122065	104.777	ug/l	98
33) Carbon Tetrachloride	7.37	117	24075	1.695	ug/l	96
40) Dibromomethane	9.40	93	6187	0.911	ug/l #	3
41) Bromodichloromethane	9.40	83	220414	14.684	ug/l	99
50) 1,1,2-Trichloroethane	10.10	97	34787	3.612	ug/l #	1
51) Ethyl methacrylate	10.10	69	3236	0.268	ug/l	84
53) Dibromochloromethane	10.90	129	10066	0.949	ug/l	99
56) Bromoform	12.40	173	2214	0.319	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	160674	56.782	ug/l #	11

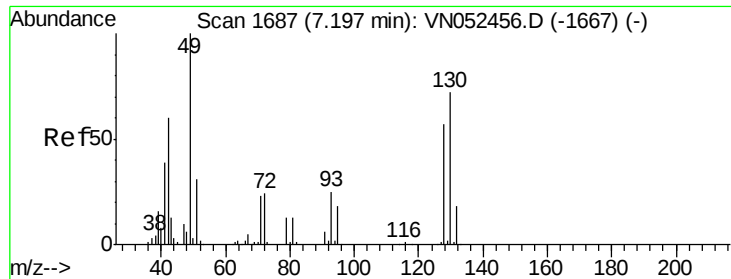
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052544.D
Acq On : 29 Nov 2018 3:00
Operator : MD\SY
Sample : J6120-02 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Quant Time: Nov 29 07:11:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

14B-2

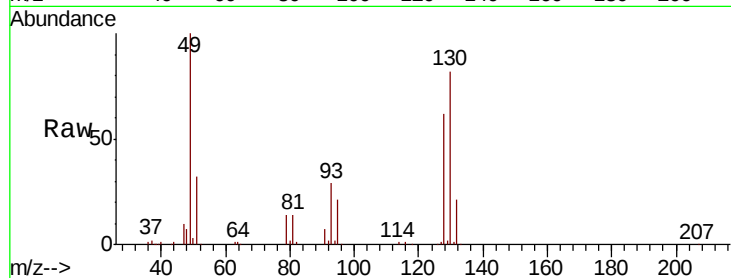
Tot Ion:128 Resp: 179222

Ion Ratio Lower Upper

128 100

49 157.6 0.0 431.8

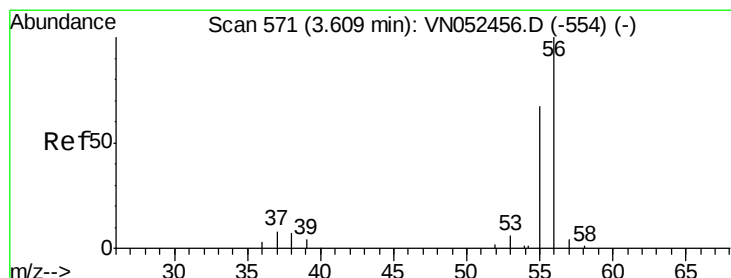
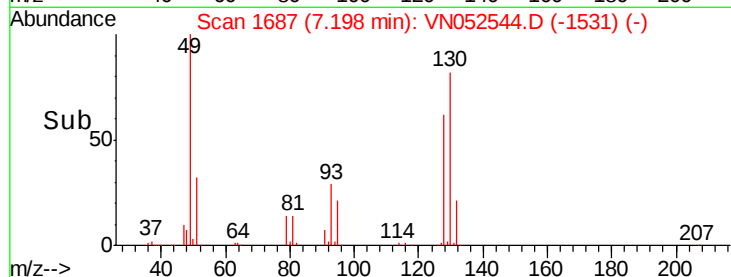
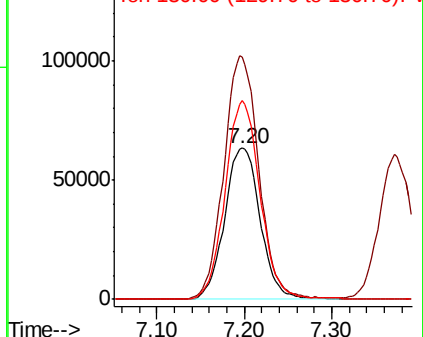
130 128.8 0.0 317.0



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



#13

Acrolein

Concen: 0.275 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052544.D

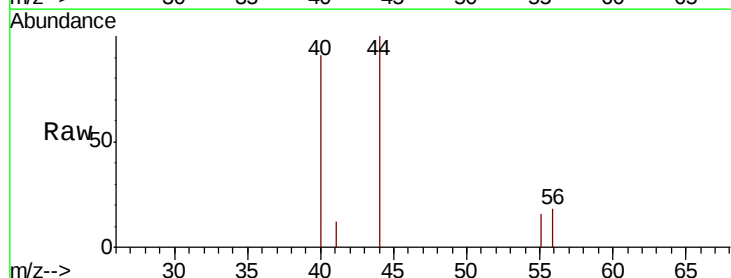
Acq: 29 Nov 2018 3:00

Tgt Ion: 56 Resp: 276

Ion Ratio Lower Upper

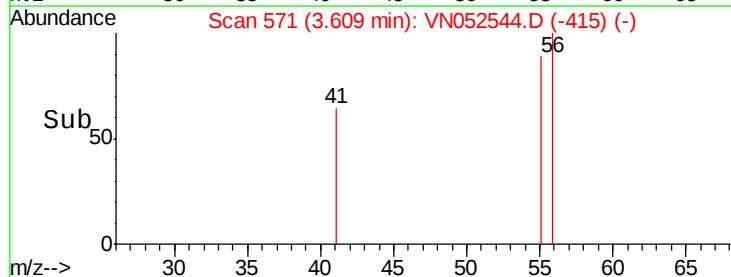
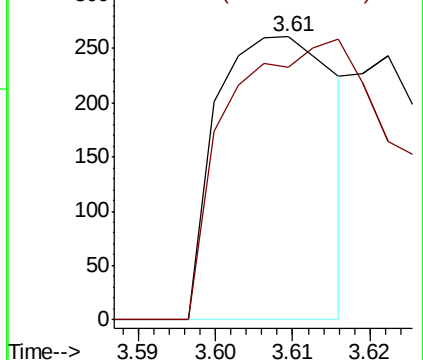
56 100

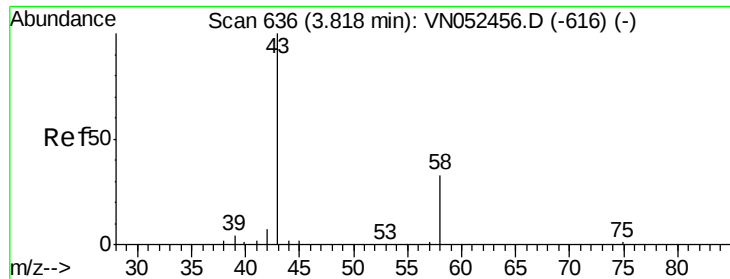
55 133.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

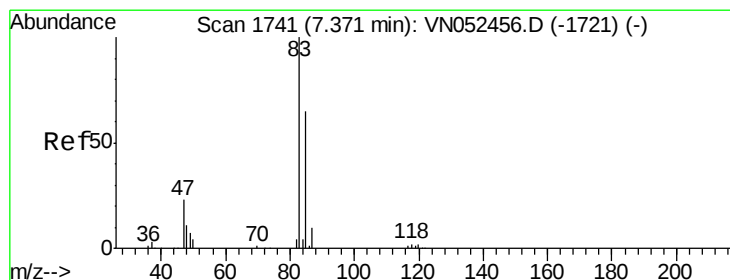
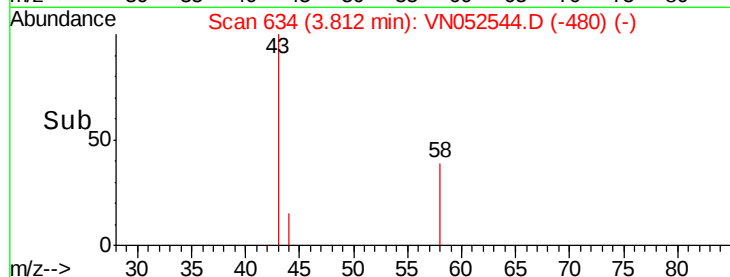
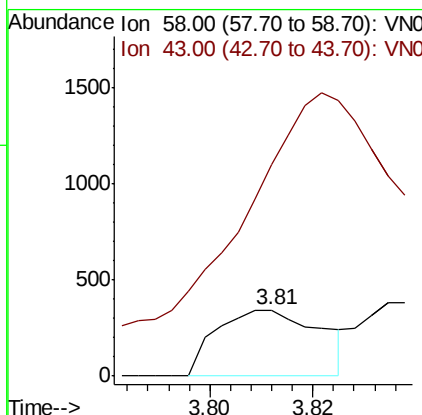
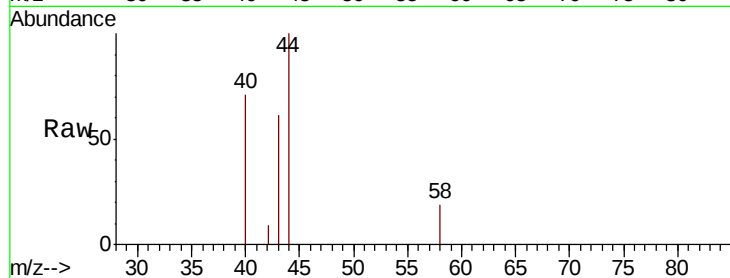




#15
Acetone
Concen: 0.514 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.01 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

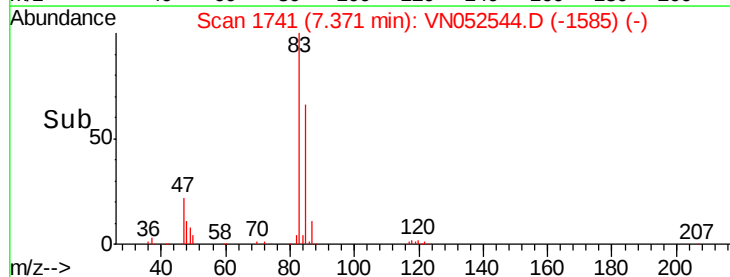
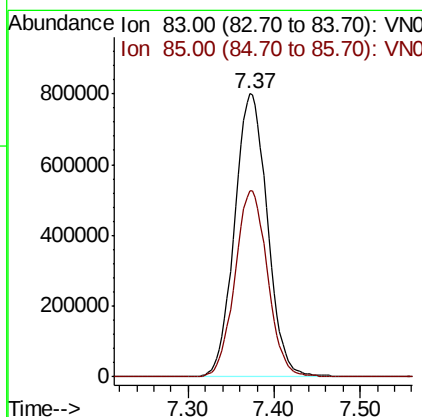
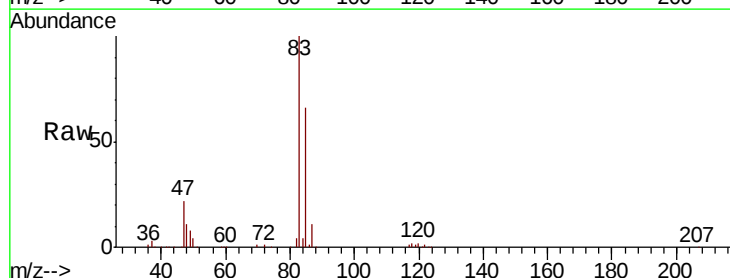
Instrument :
MSVOA_N
ClientSampled :
14B-2

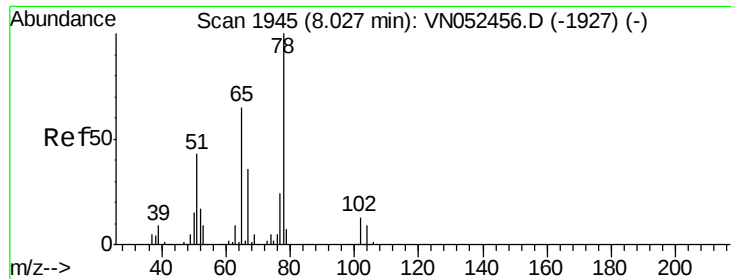
Tot Ion: 58 Resp: 484
Ion Ratio Lower Upper
58 100
43 191.0 243.6 365.4#



#25
Chloroform
Concen: 104.777 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

Tgt Ion: 83 Resp: 2122065
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

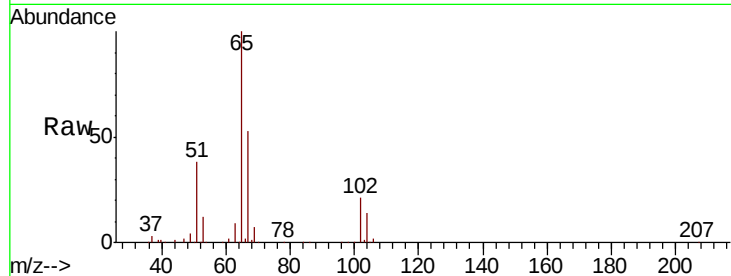
14B-2

Tot Ion: 65 Resp: 363005

Ion Ratio Lower Upper

65 100

67 53.8 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

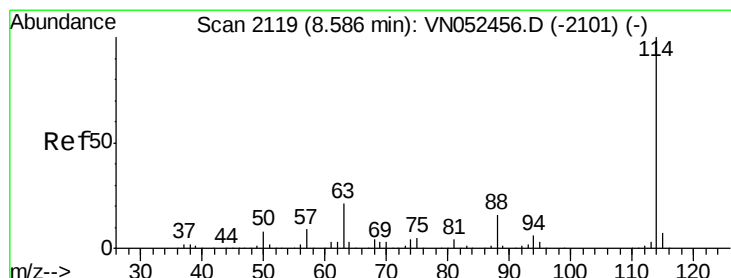
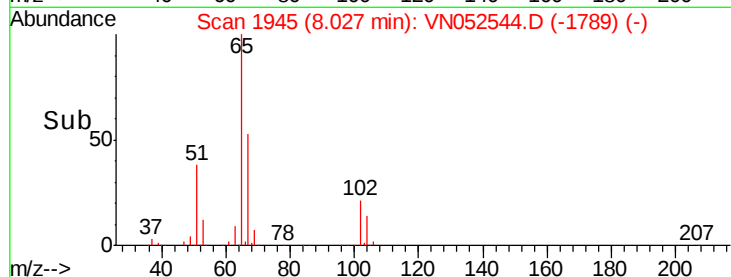
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

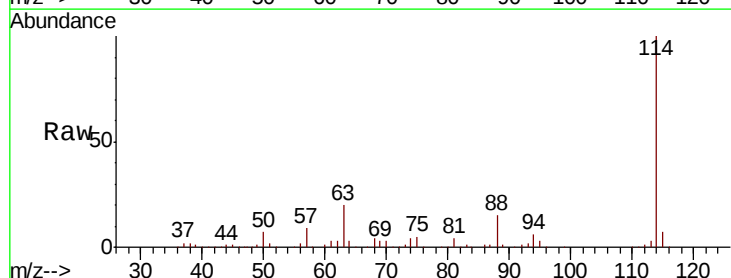
Tgt Ion: 114 Resp: 1021506

Ion Ratio Lower Upper

114 100

63 19.8 16.9 25.3

88 15.5 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

600000

500000

400000

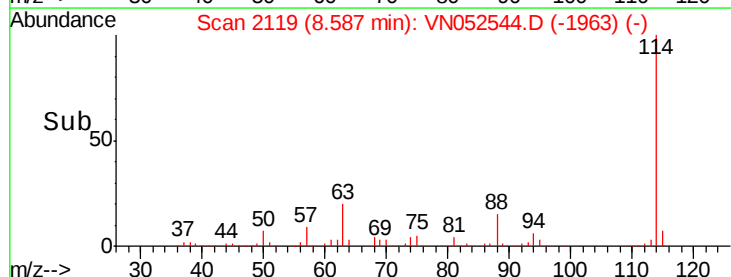
300000

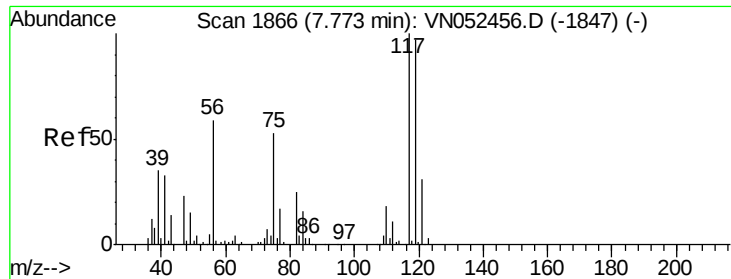
200000

100000

0

Time--> 8.50 8.60 8.70





#33

Carbon Tetrachloride

Concen: 1.695 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.40 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

14B-2

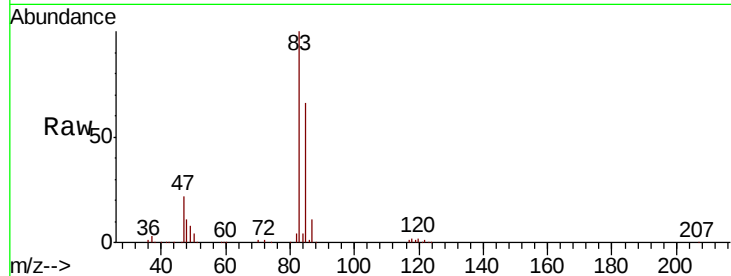
Tot Ion:117 Resp: 24075

Ion Ratio Lower Upper

117 100

119 93.1 77.3 115.9

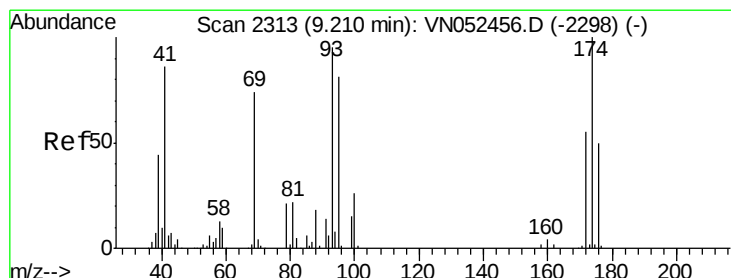
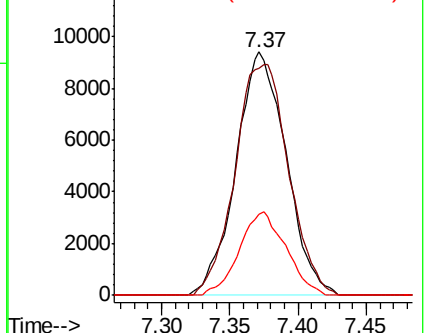
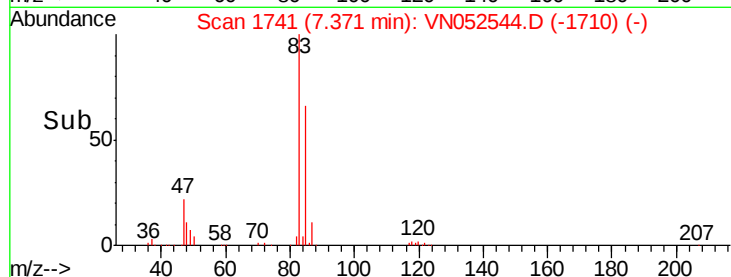
121 33.5 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#40

Dibromomethane

Concen: 0.911 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.19 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

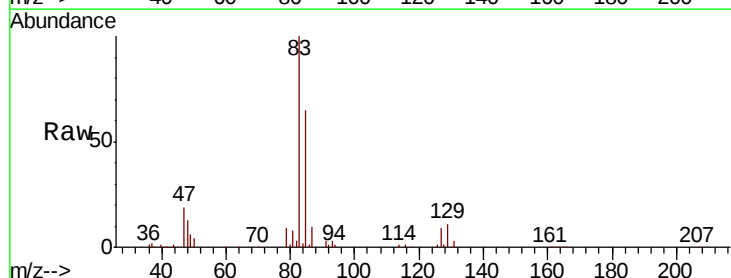
Tgt Ion: 93 Resp: 6187

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

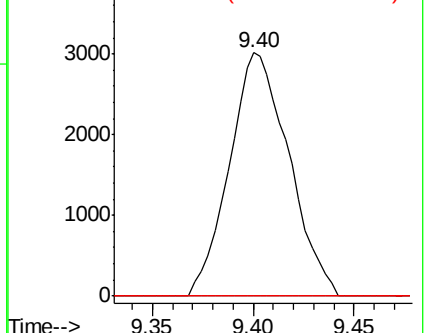
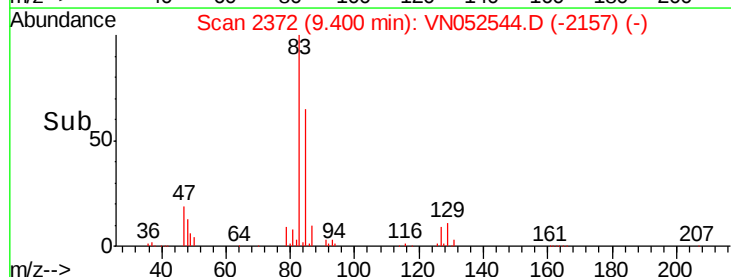
174 1.6 0.0 210.0

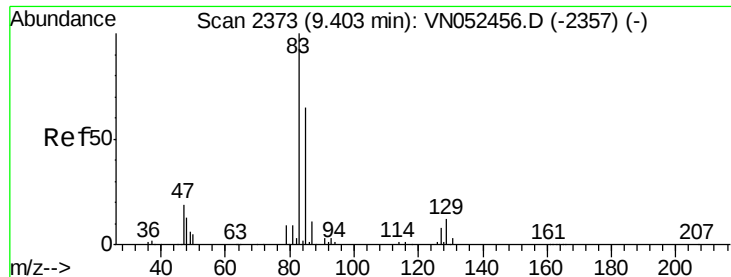


Abundance Ion 93.00 (92.70 to 93.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 14.684 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

14B-2

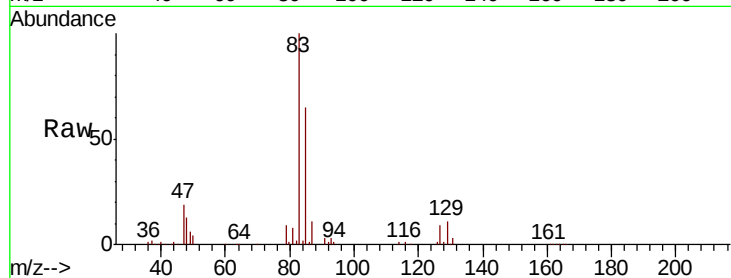
Tot Ion: 83 Resp: 220414

Ion Ratio Lower Upper

83 100

85 64.8 52.4 78.6

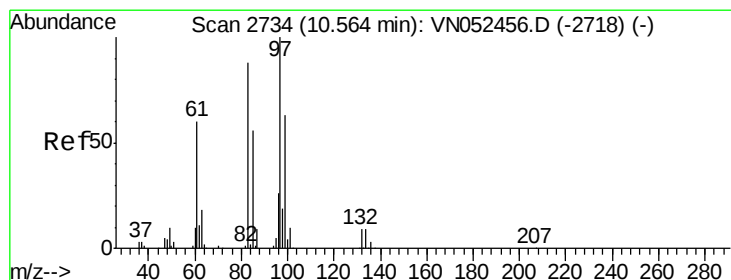
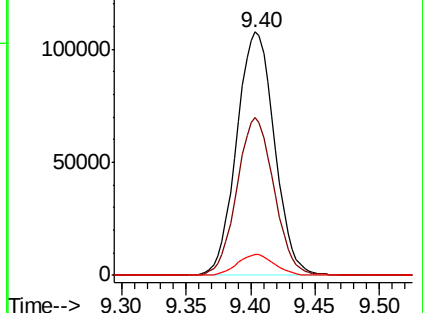
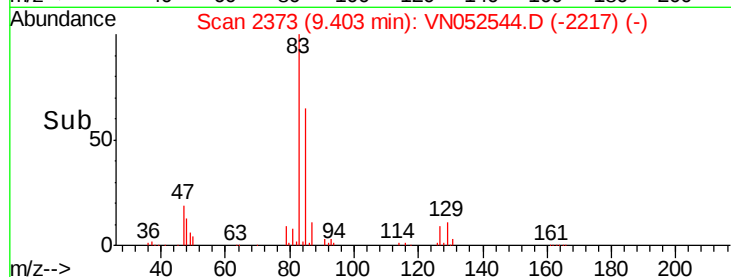
127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052544.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052544.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052544.D (-2217) (-)



#50

1,1,2-Trichloroethane

Concen: 3.612 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Tgt Ion: 97 Resp: 34787

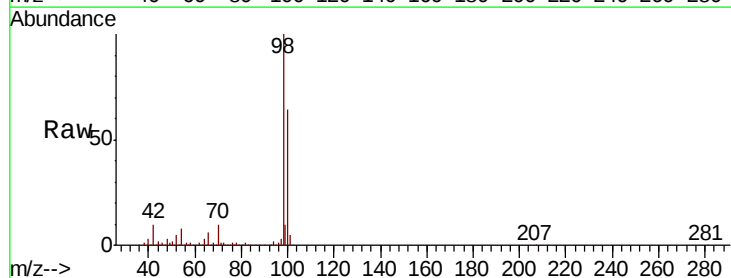
Ion Ratio Lower Upper

97 100

83 2.8 70.4 105.6#

85 0.0 45.0 67.6#

99 310.5 50.2 75.2#

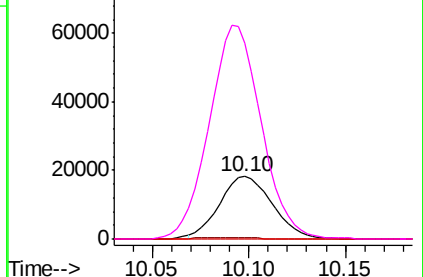
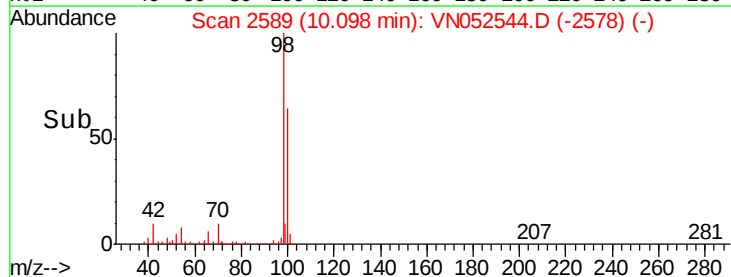


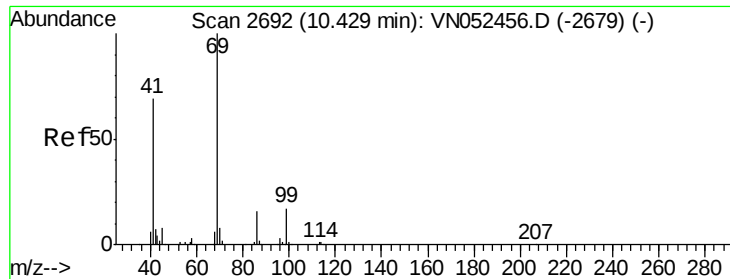
Abundance Ion 97.00 (96.70 to 97.70): VN052544.D (-2578) (-)

Ion 82.95 (82.65 to 83.65): VN052544.D (-2578) (-)

Ion 84.95 (84.65 to 85.65): VN052544.D (-2578) (-)

Ion 98.95 (98.65 to 99.65): VN052544.D (-2578) (-)





#51

Ethyl methacrylate

Concen: 0.268 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

14B-2

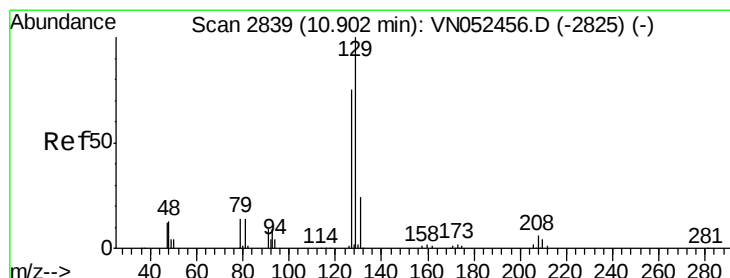
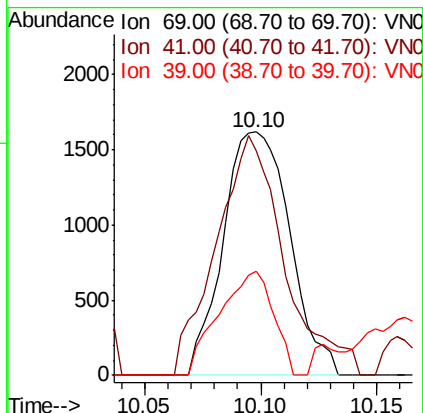
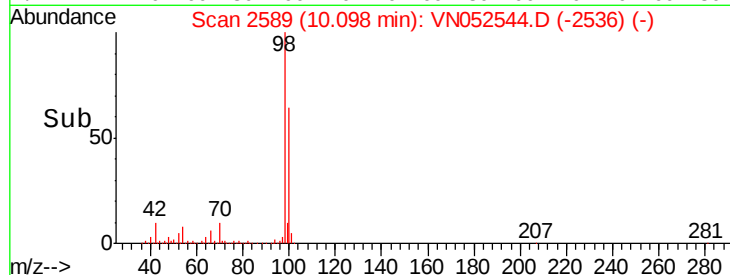
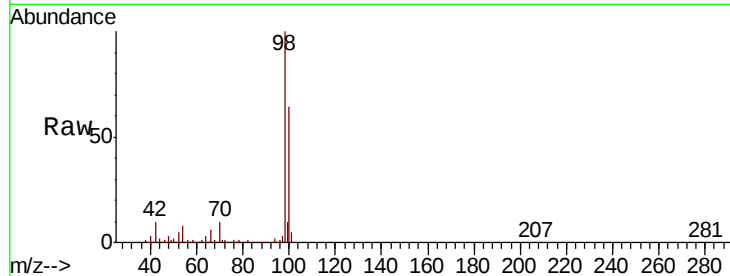
Tot Ion: 69 Resp: 3236

Ion Ratio Lower Upper

69 100

41 80.9 34.4 103.3

39 42.5 16.4 49.2



#53

Dibromochloromethane

Concen: 0.949 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052544.D

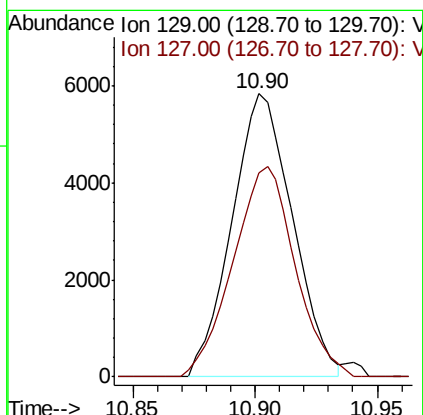
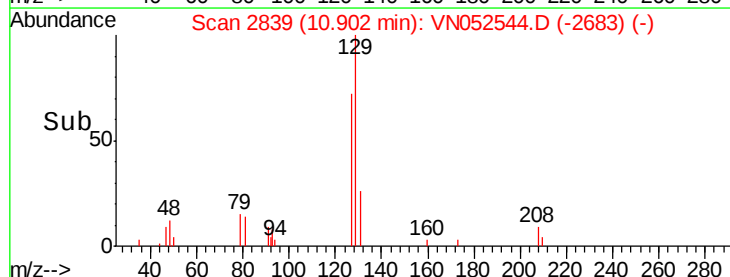
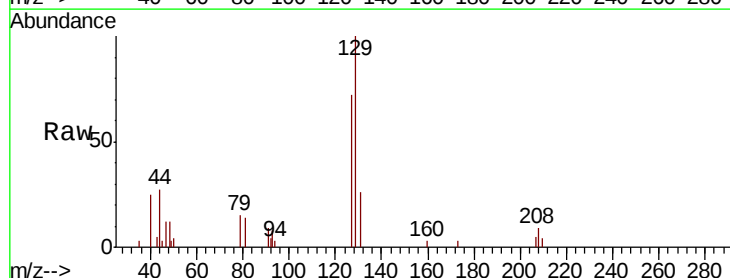
Acq: 29 Nov 2018 3:00

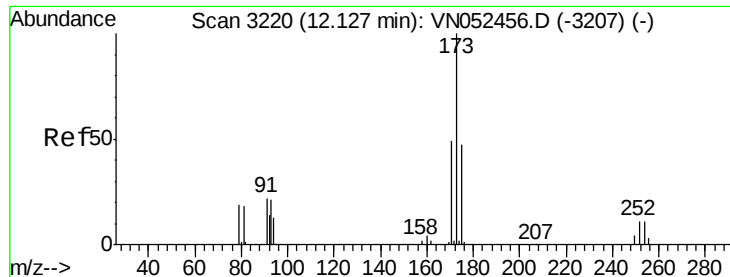
Tgt Ion: 129 Resp: 10066

Ion Ratio Lower Upper

129 100

127 76.3 37.6 112.8

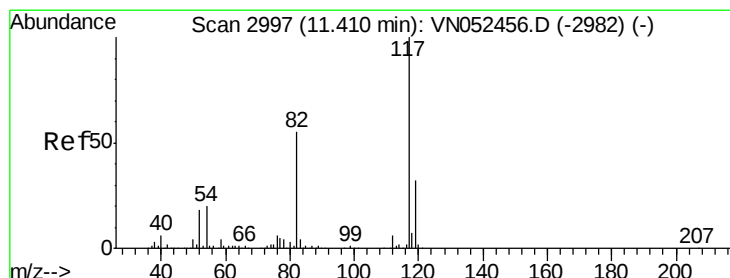
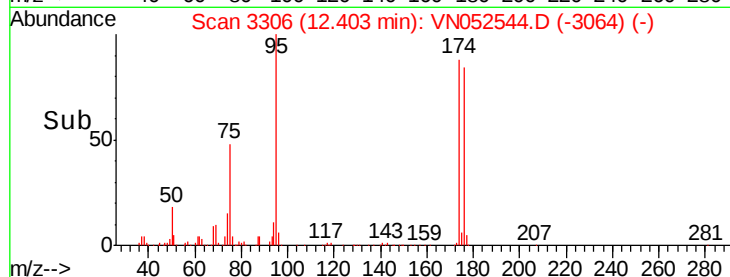
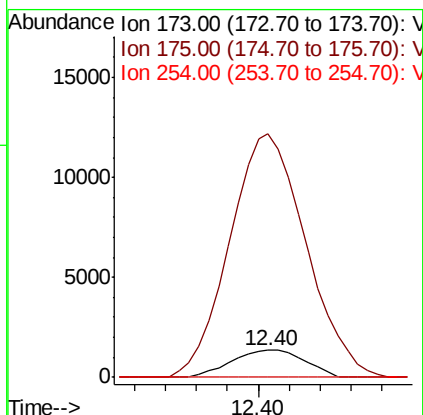
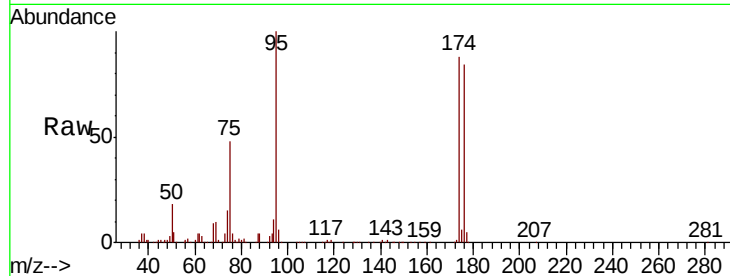




#56
Bromoform
Concen: 0.319 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

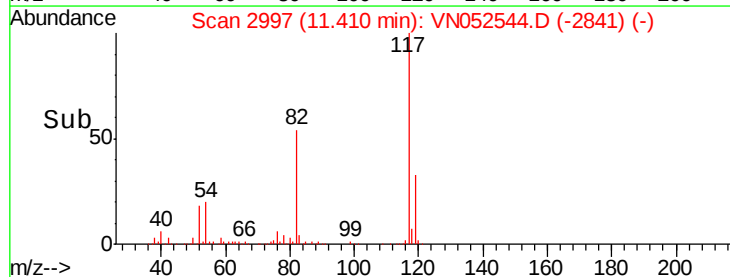
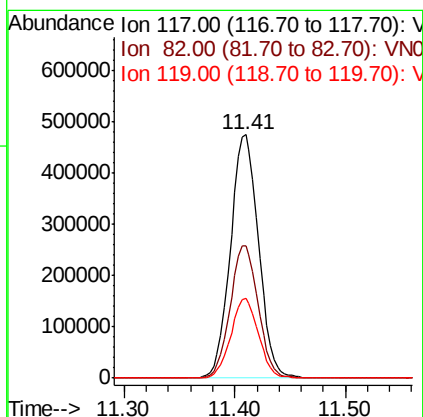
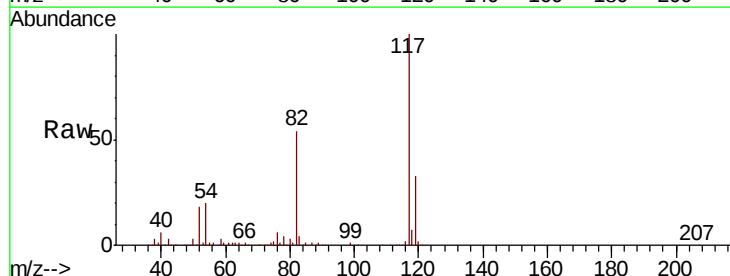
Instrument :
MSVOA_N
ClientSampleId :
14B-2

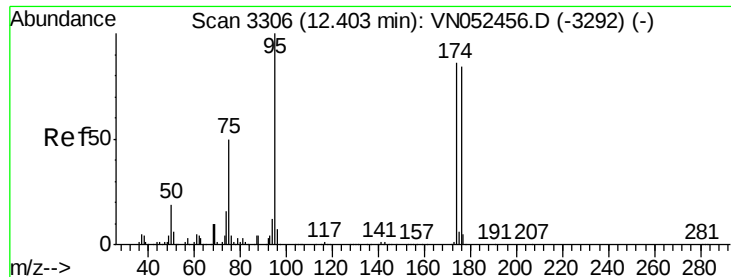
Tot Ion:173 Resp: 2214
Ion Ratio Lower Upper
173 100
175 939.9 38.7 58.1#
254 0.0 8.4 12.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

Tgt Ion:117 Resp: 839177
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.2 25.4 38.2

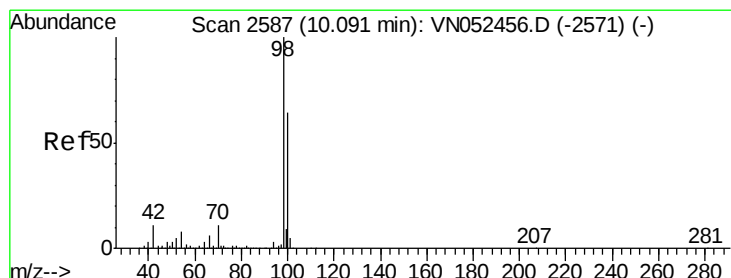
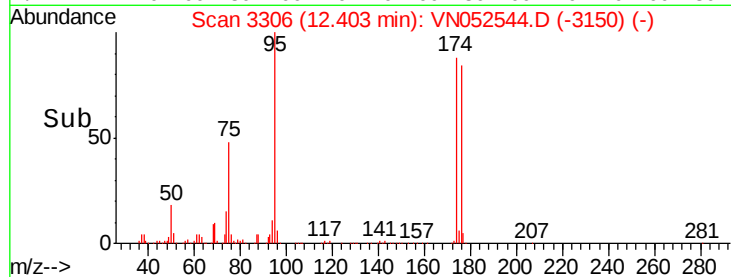
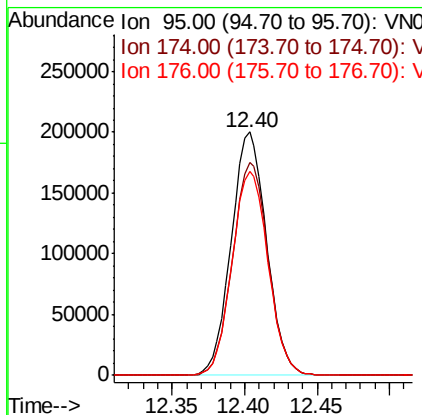
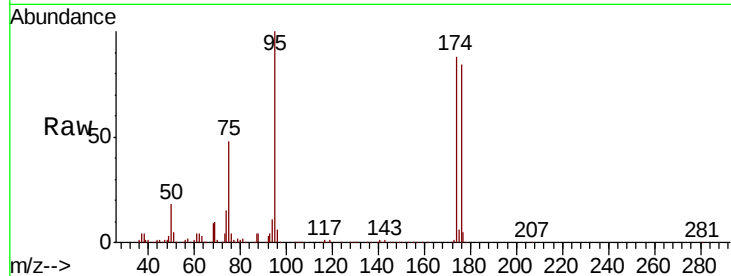




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

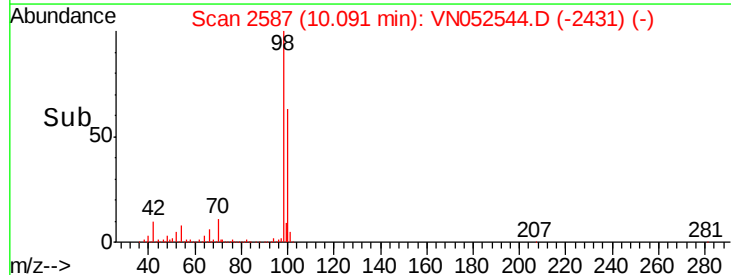
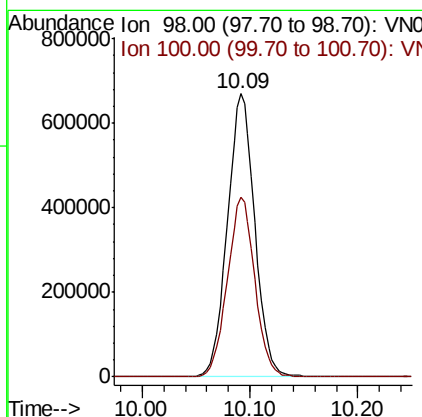
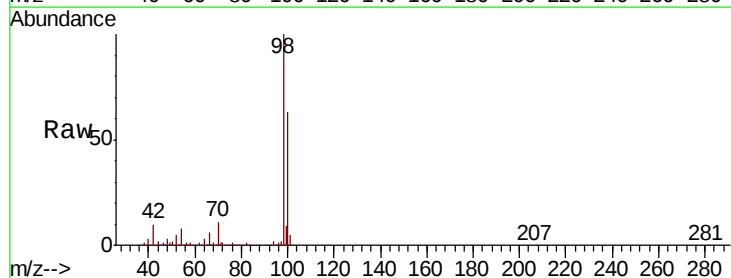
Instrument :
MSVOA_N
ClientSampled :
14B-2

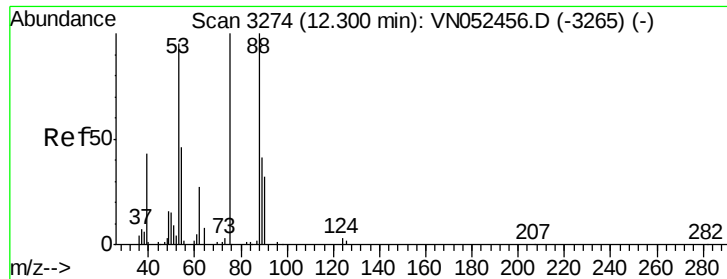
Tot Ion: 95 Resp: 339675
Ion Ratio Lower Upper
95 100
174 88.0 67.9 101.9
176 85.5 66.4 99.6



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052544.D
Acq: 29 Nov 2018 3:00

Tgt Ion: 98 Resp: 1181844
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#77

t-1,4-Dichloro-2-butene

Concen: 56.782 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052544.D

Acq: 29 Nov 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

14B-2

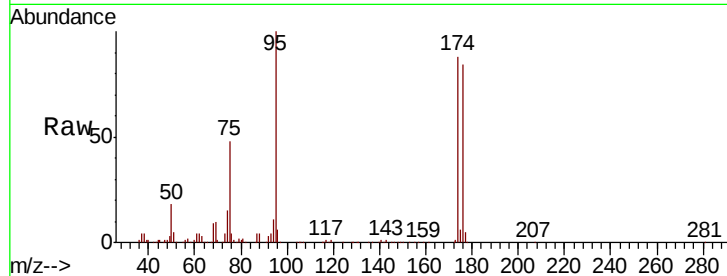
Tot Ion: 75 Resp: 160674

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



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

