

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052585.D
 Acq On : 30 Nov 2018 1:04
 Operator : MD\SY
 Sample : J6144-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2DL

Quant Time: Nov 30 04:03:53 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	170071	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	975182	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	802377	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	349032	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%	
60) 4-Bromofluorobenzene		12.40	95	321327	26.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.30%	
63) Toluene-d8		10.09	98	1132049	30.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.43%	

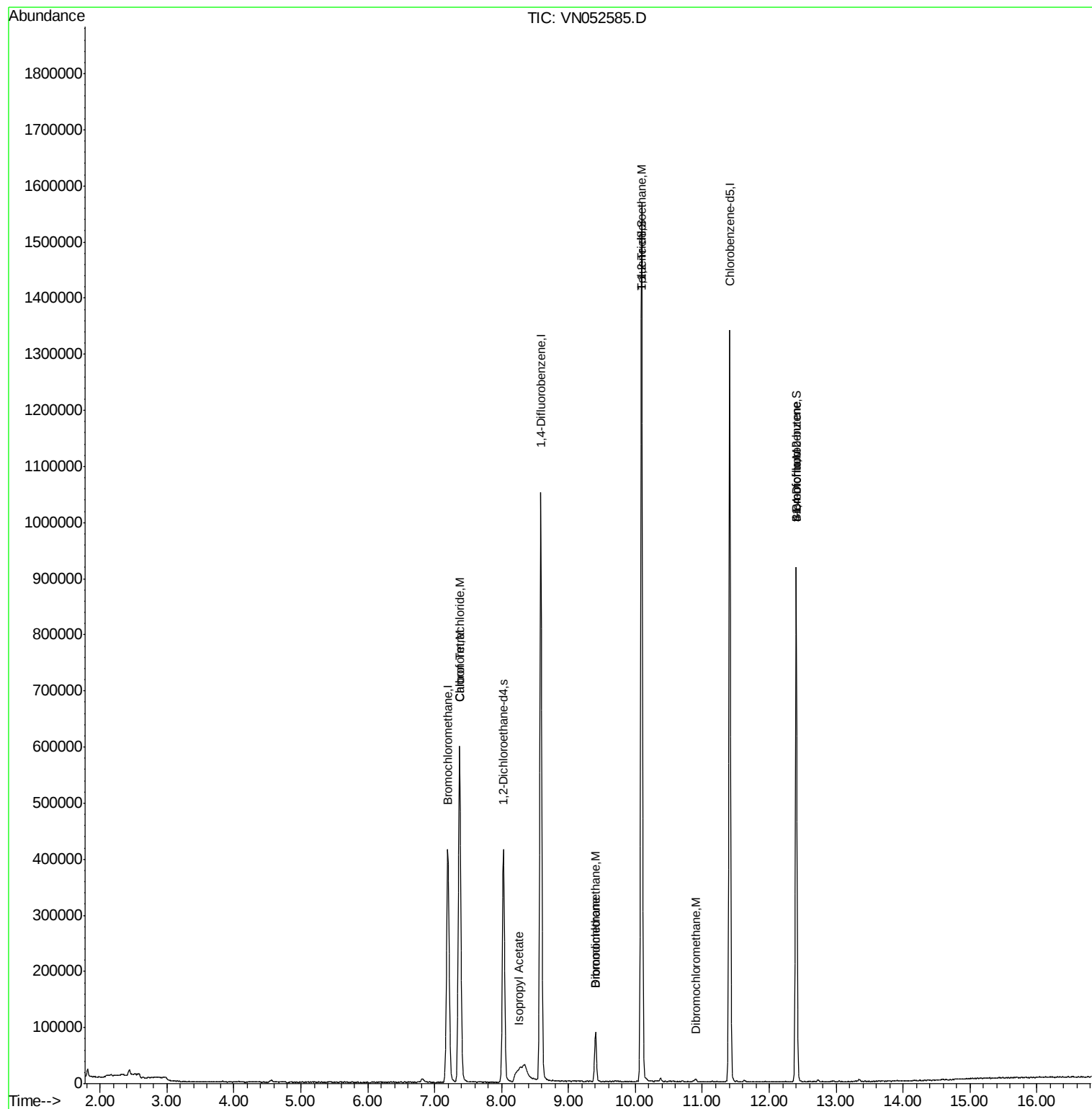
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	7.37	83	641004	33.352	ug/l	99
33) Carbon Tetrachloride	7.38	117	7092	0.523	ug/l	96
40) Dibromomethane	9.41	93	1927	0.297	ug/l #	4
41) Bromodichloromethane	9.40	83	64220	4.482	ug/l	99
44) Isopropyl Acetate	8.25	43	26773	1.802	ug/l #	57
50) 1,1,2-Trichloroethane	10.10	97	33775	3.674	ug/l #	1
53) Dibromochloromethane	10.90	129	2906	0.287	ug/l	93
56) Bromoform	12.40	173	2833	0.428	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	152614	56.407	ug/l #	11

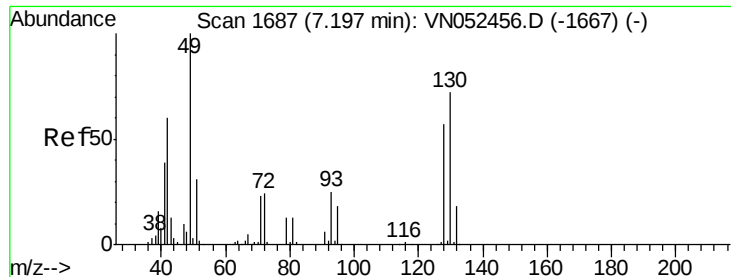
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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14B-2DL

Quant Time: Nov 30 04:03:53 2018
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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: VN052585.D

Acq: 30 Nov 2018 1:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

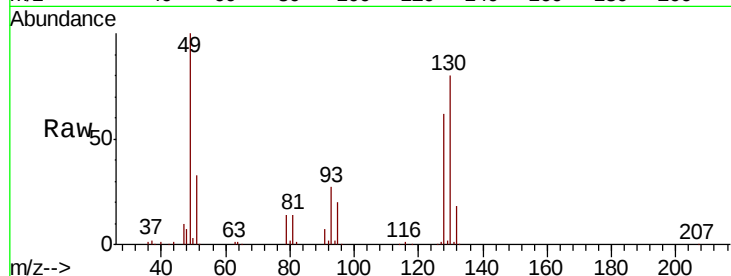
Tot Ion:128 Resp: 170071

Ion Ratio Lower Upper

128 100

49 163.7 0.0 431.8

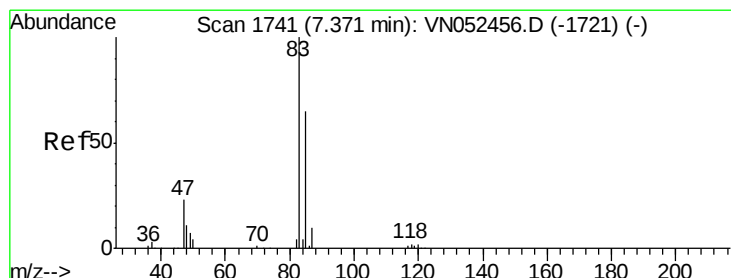
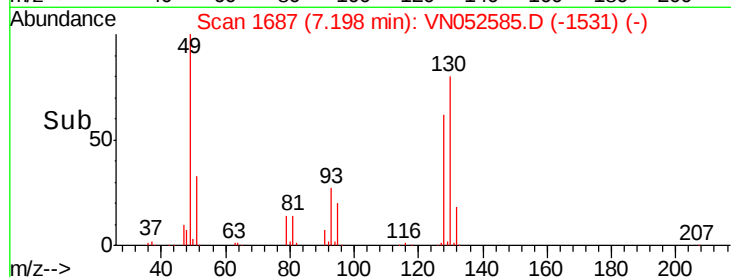
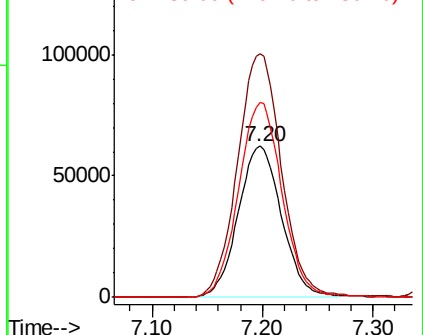
130 129.6 0.0 317.0



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



#25

Chloroform

Concen: 33.352 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052585.D

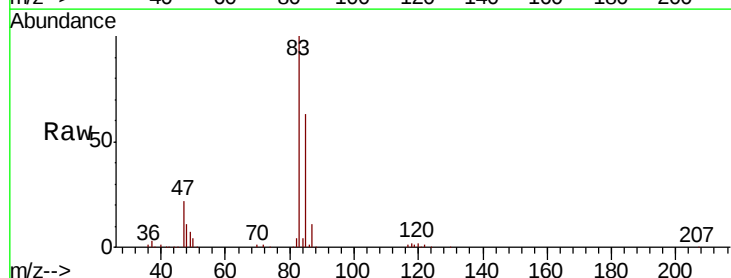
Acq: 30 Nov 2018 1:04

Tgt Ion: 83 Resp: 641004

Ion Ratio Lower Upper

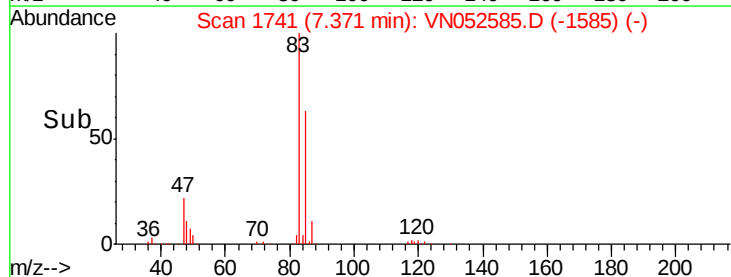
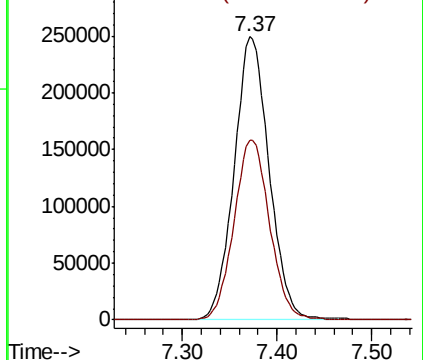
83 100

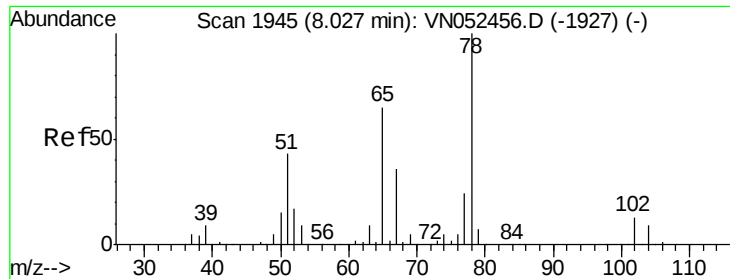
85 63.5 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

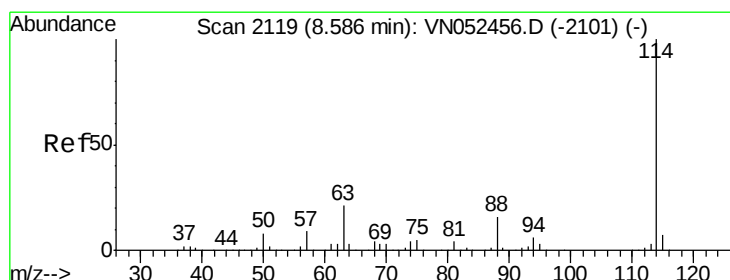
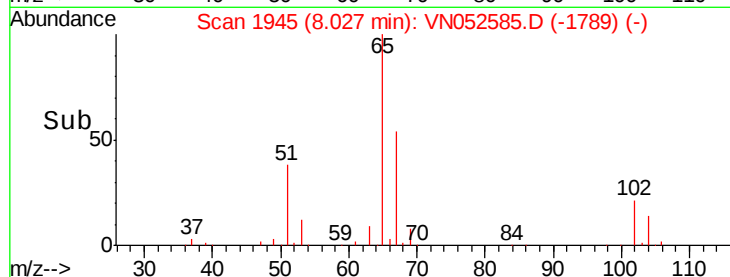
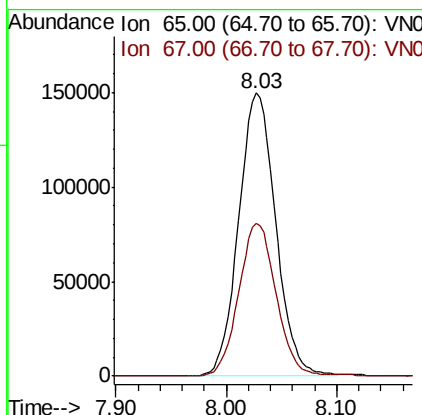
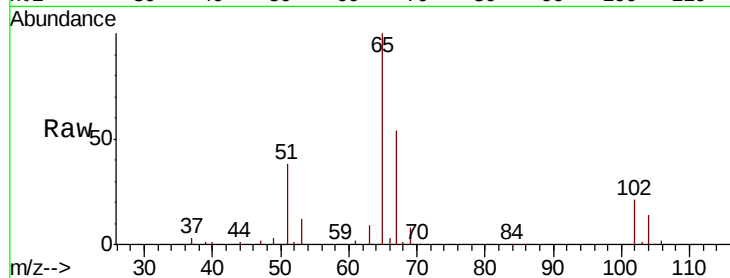




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052585.D
 Acq: 30 Nov 2018 1:04

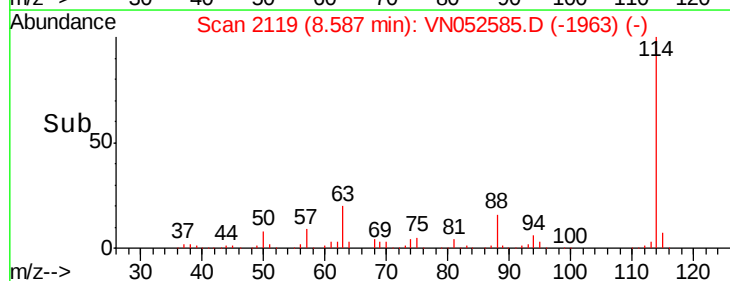
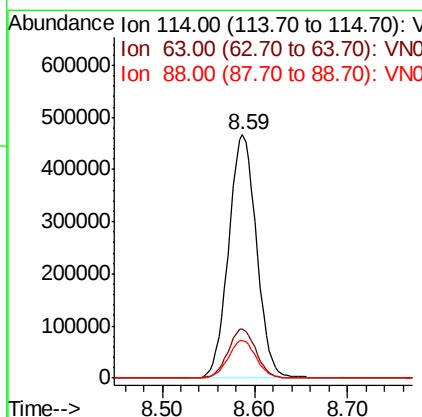
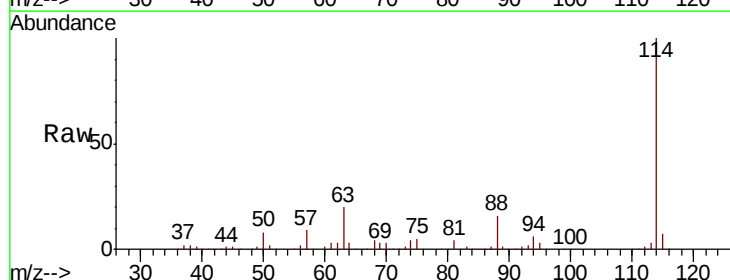
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2DL

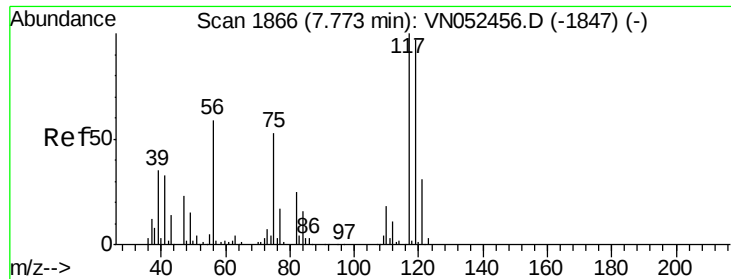
Tot Ion: 65 Resp: 349032
 Ion Ratio Lower Upper
 65 100
 67 54.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052585.D
 Acq: 30 Nov 2018 1:04

Tgt Ion: 114 Resp: 975182
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.4 12.8 19.2





#33

Carbon Tetrachloride

Concen: 0.523 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. -0.40 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

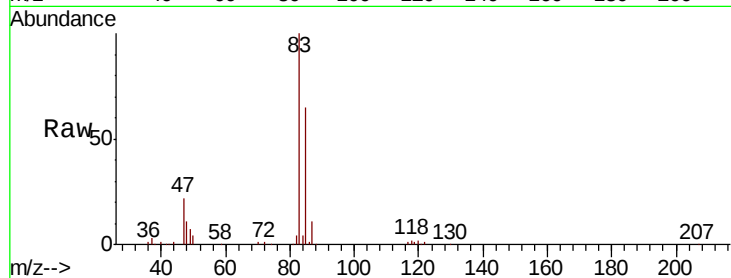
Tot Ion:117 Resp: 7092

Ion Ratio Lower Upper

117 100

119 92.9 77.3 115.9

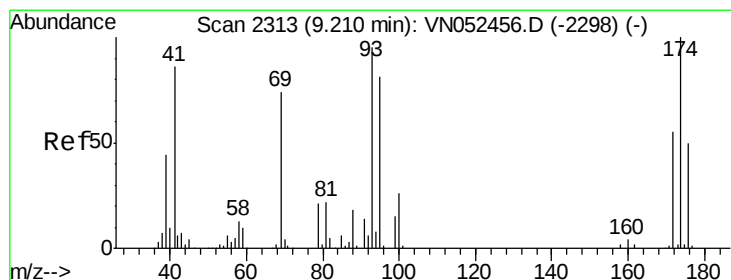
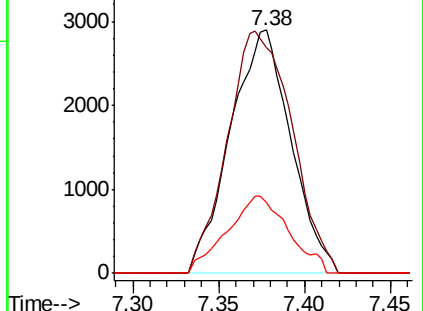
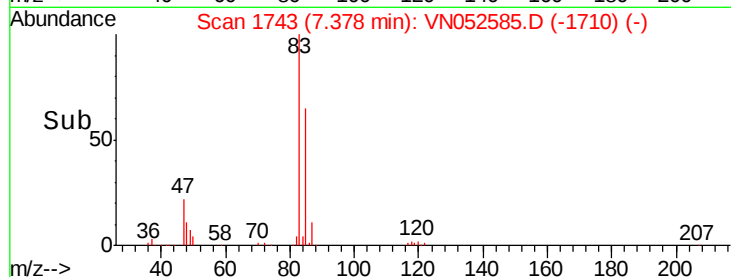
121 29.0 24.9 37.3



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: 0.297 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.20 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

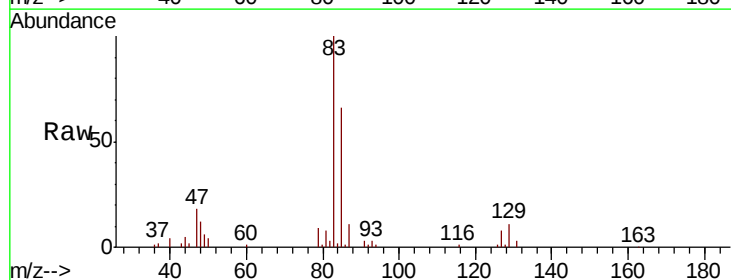
Tgt Ion: 93 Resp: 1927

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

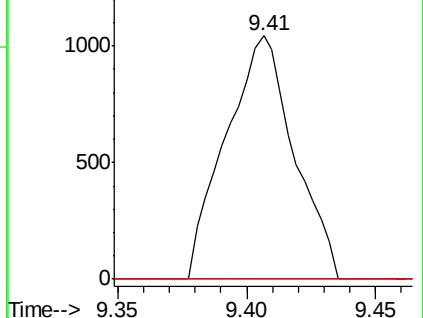
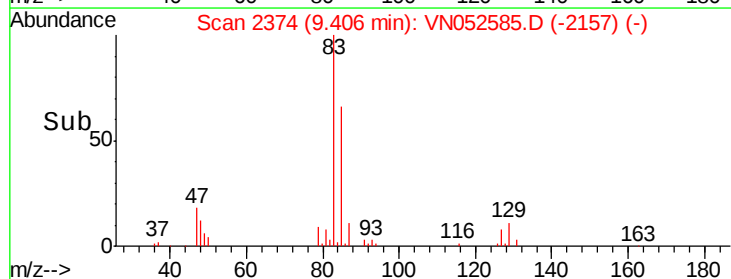
174 3.5 0.0 210.0

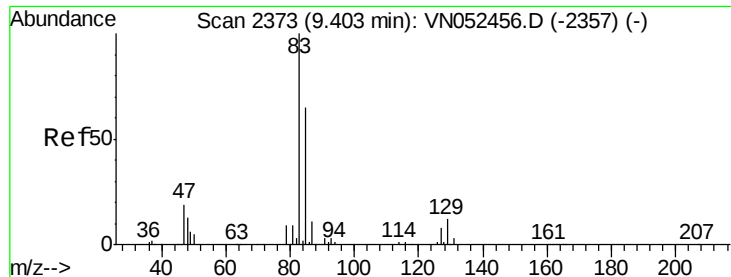


Abundance Ion 93.00 (92.70 to 93.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.482 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

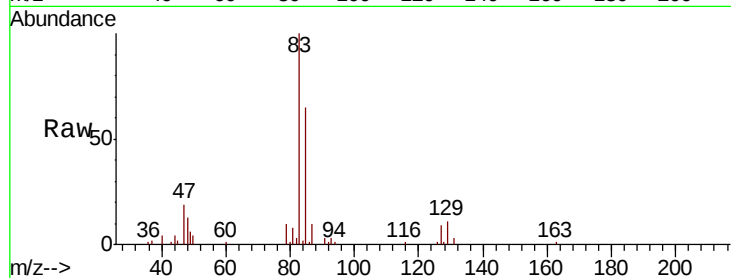
Tot Ion: 83 Resp: 64220

Ion Ratio Lower Upper

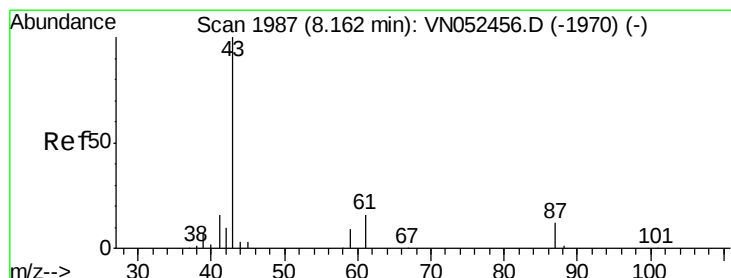
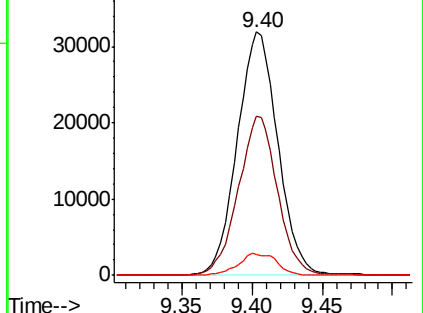
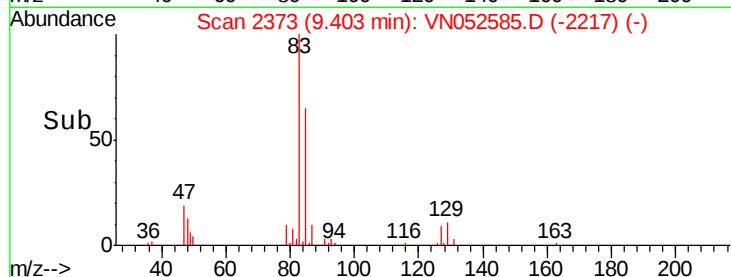
83 100

85 65.1 52.4 78.6

127 8.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052585.D (-2217) (-)



#44

Isopropyl Acetate

Concen: 1.802 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN052585.D

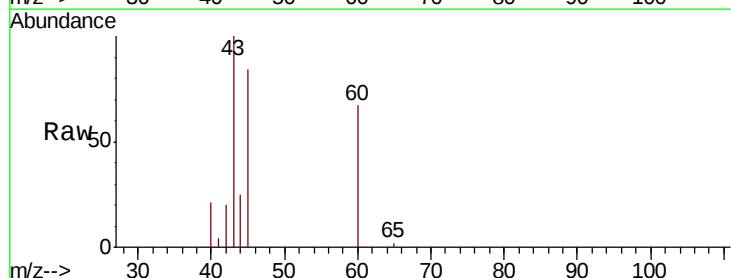
Acq: 30 Nov 2018 1:04

Tgt Ion: 43 Resp: 26773

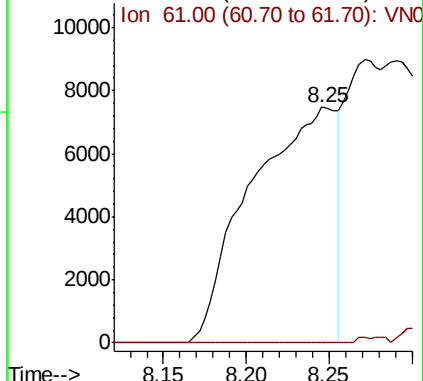
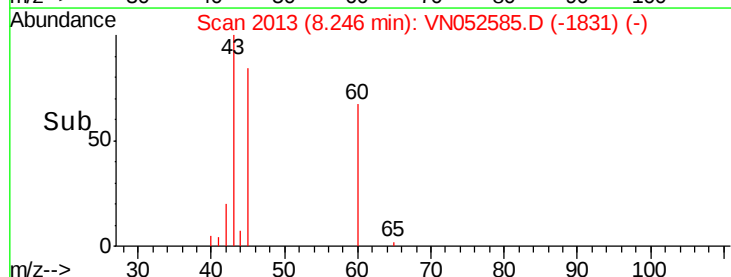
Ion Ratio Lower Upper

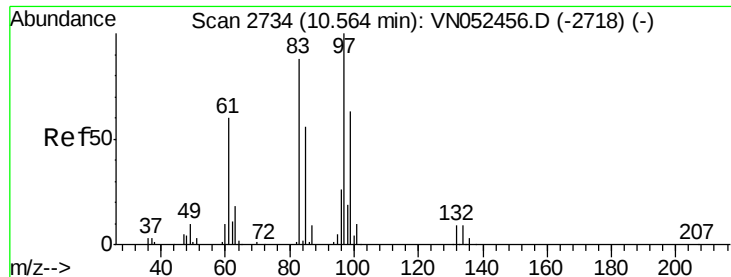
43 100

61 0.3 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052585.D (-1831) (-)

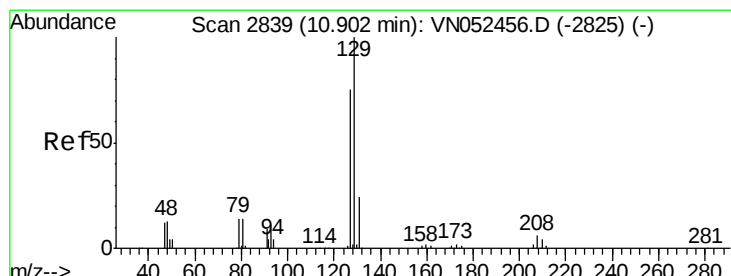
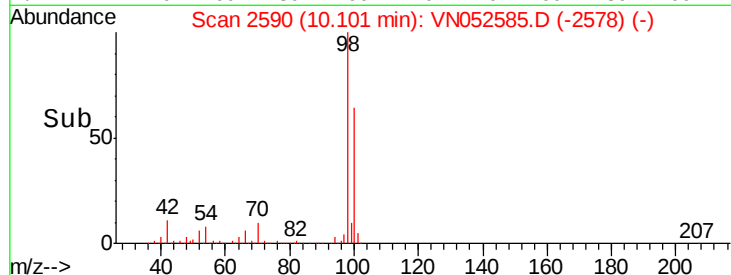
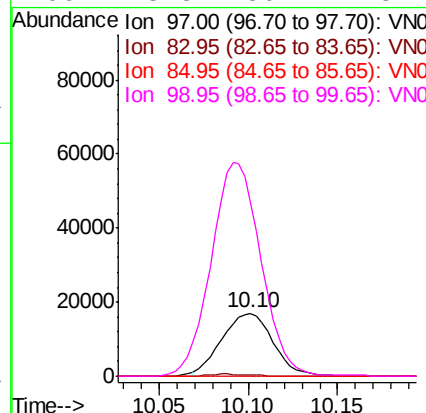
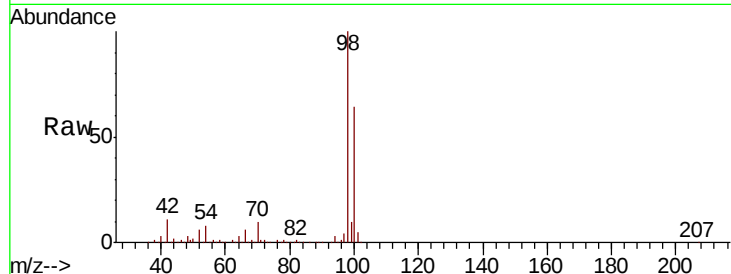




#50
 1,1,2-Trichloroethane
 Concen: 3.674 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN052585.D
 Acq: 30 Nov 2018 1:04

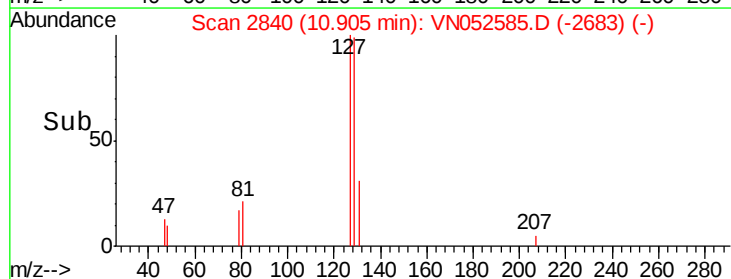
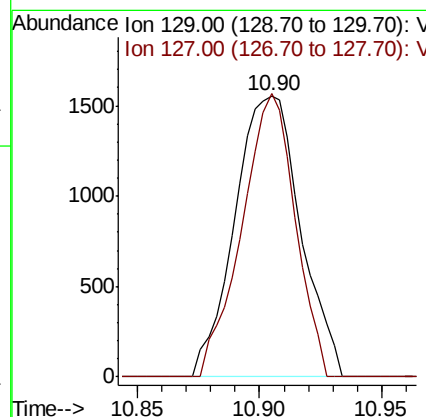
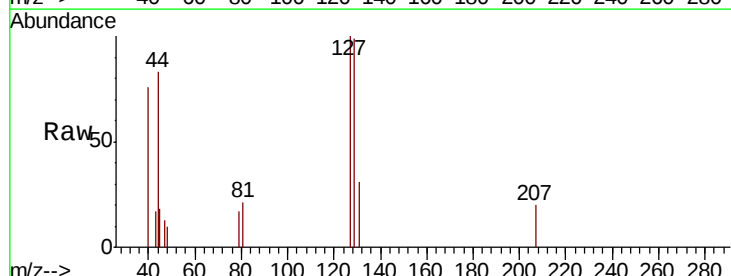
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2DL

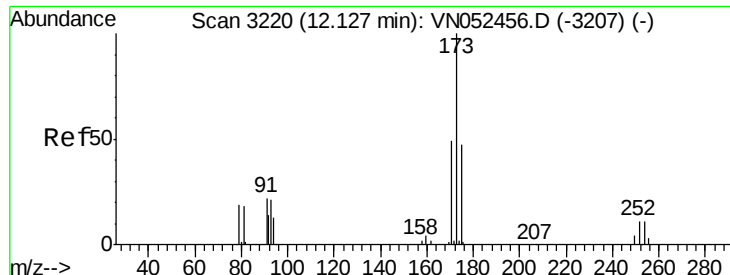
Tot Ion	97	Resp	33775
Ion Ratio	Lower	Upper	
97	100		
83	2.2	70.4	105.6#
85	0.0	45.0	67.6#
99	278.8	50.2	75.2#



#53
 Dibromochloromethane
 Concen: 0.287 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052585.D
 Acq: 30 Nov 2018 1:04

Tgt Ion	129	Resp	2906
Ion Ratio	Lower	Upper	
129	100		
127	81.5	37.6	112.8





#56

Bromoform

Concen: 0.428 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

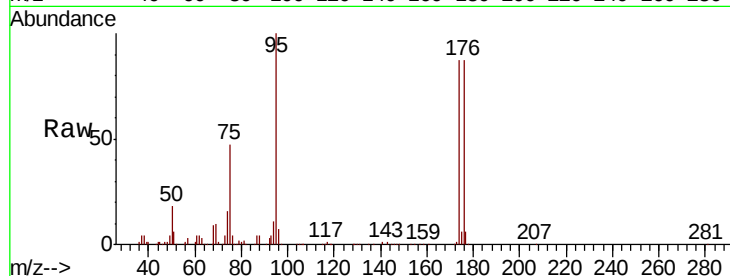
Tot Ion:173 Resp: 2833

Ion Ratio Lower Upper

173 100

175 721.5 38.7 58.1#

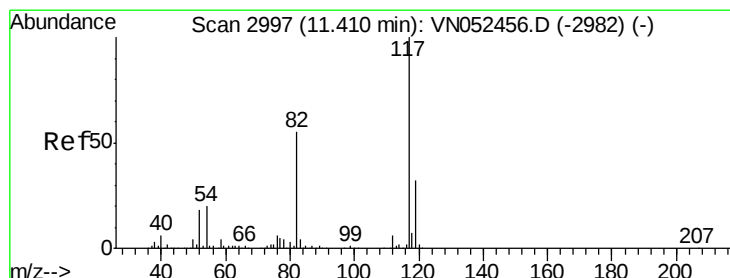
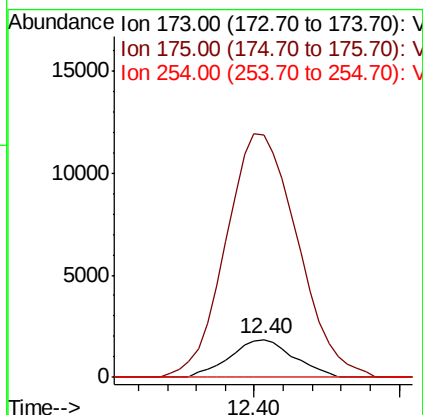
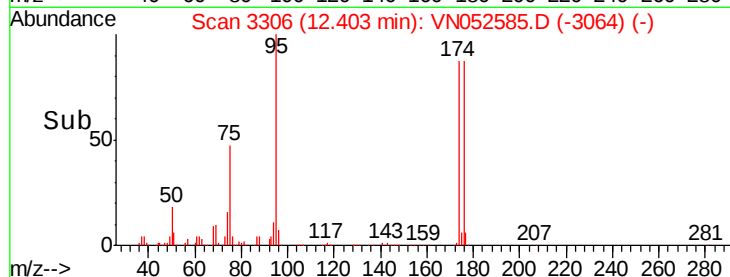
254 0.0 8.4 12.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

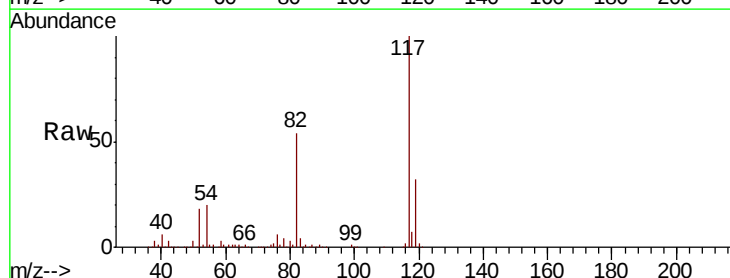
Tgt Ion:117 Resp: 802377

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

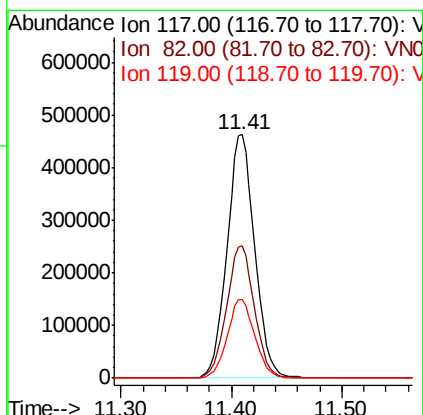
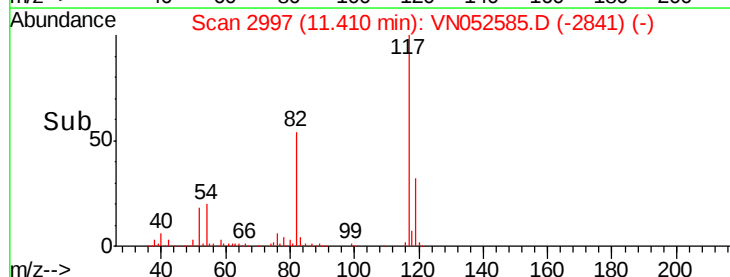
119 32.2 25.4 38.2

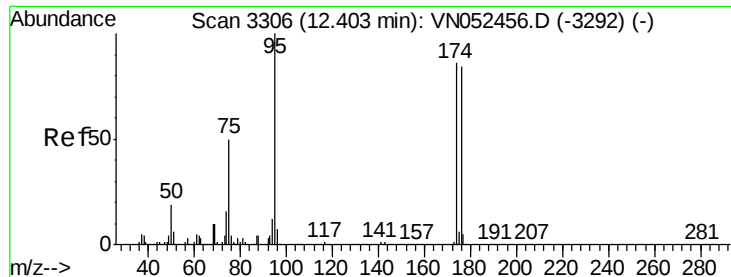


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

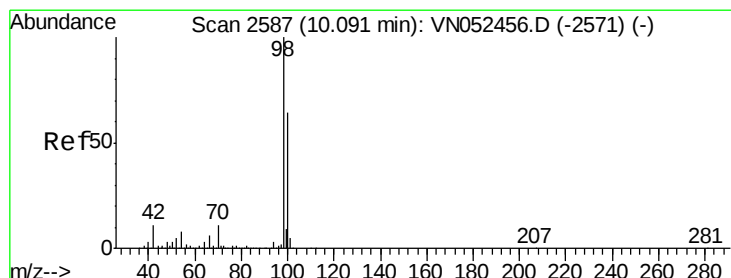
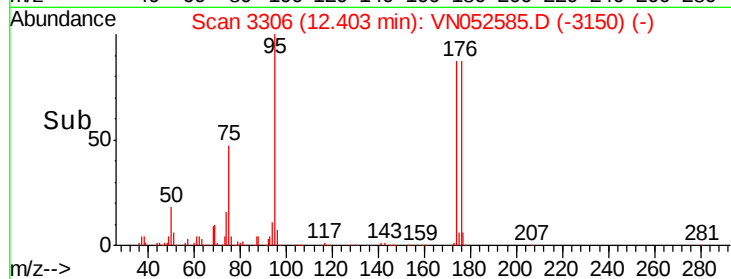
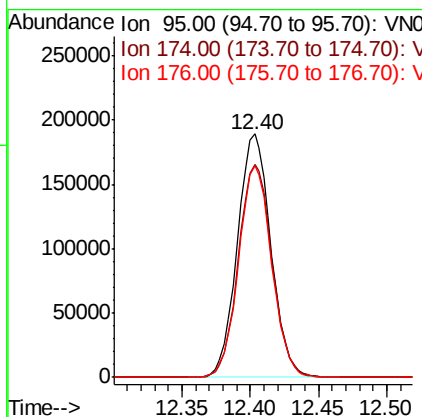
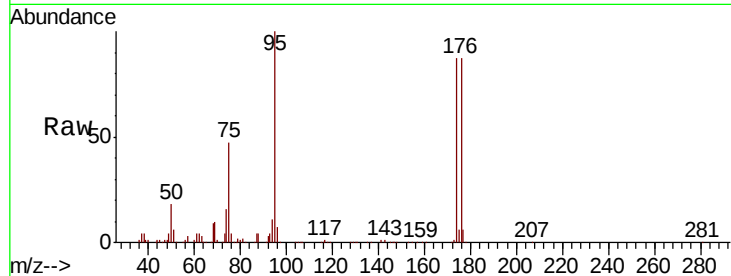




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052585.D
Acq: 30 Nov 2018 1:04

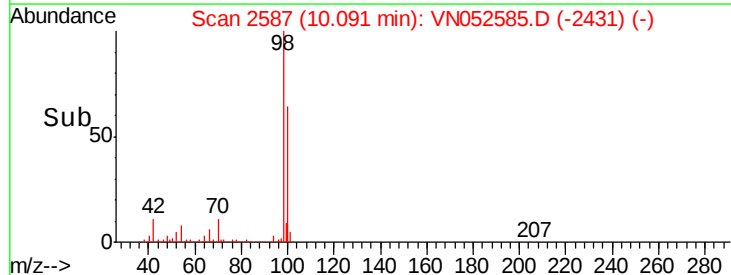
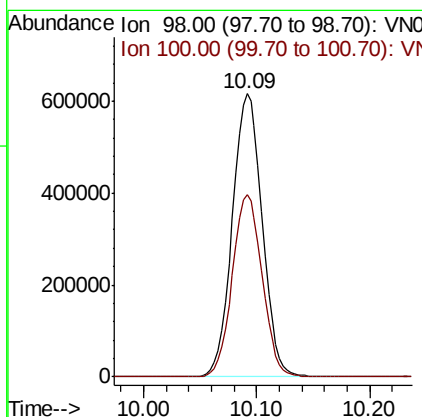
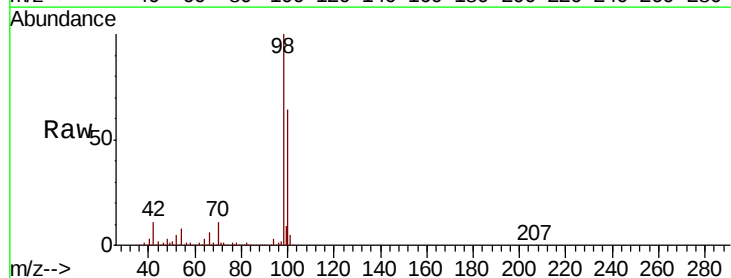
Instrument :
MSVOA_N
ClientSampleId :
14B-2DL

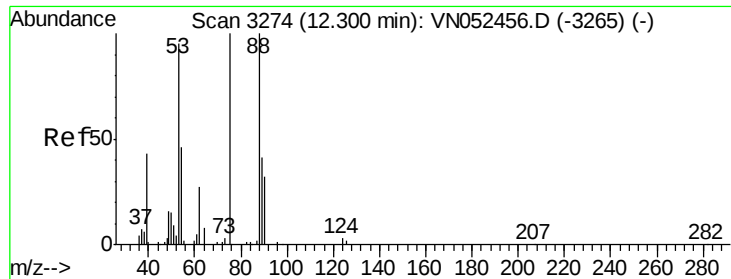
Tot Ion	95	Resp	321327
Ion Ratio	Lower	Upper	
95	100		
174	88.5	67.9	101.9
176	86.0	66.4	99.6



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052585.D
Acq: 30 Nov 2018 1:04

Tgt Ion	98	Resp	1132049
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.1	76.7





#77

t-1,4-Dichloro-2-butene

Concen: 56.407 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052585.D

Acq: 30 Nov 2018 1:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

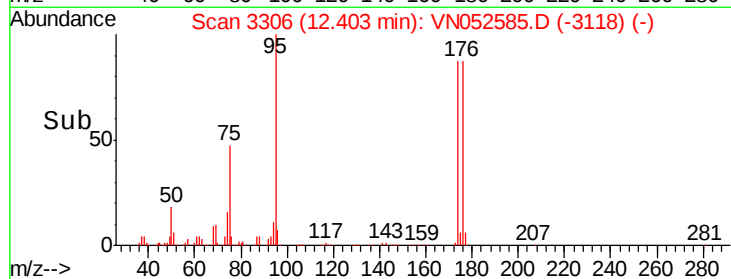
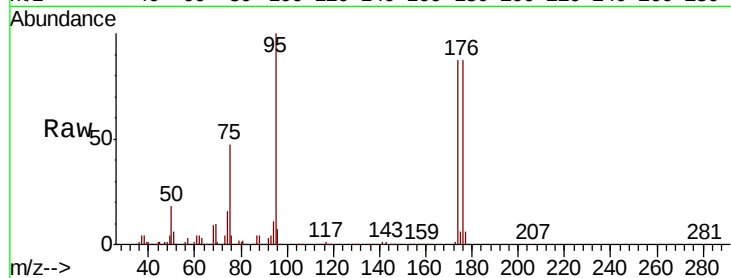
Tot Ion: 75 Resp: 152614

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

