

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052549.D
 Acq On : 29 Nov 2018 5:13
 Operator : MD\SY
 Sample : J6120-04DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4DL

Quant Time: Nov 29 07:14:26 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	175822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1018072	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	839794	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	359317	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.40	95	334158	26.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.77%
63) Toluene-d8	10.09	98	1187430	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

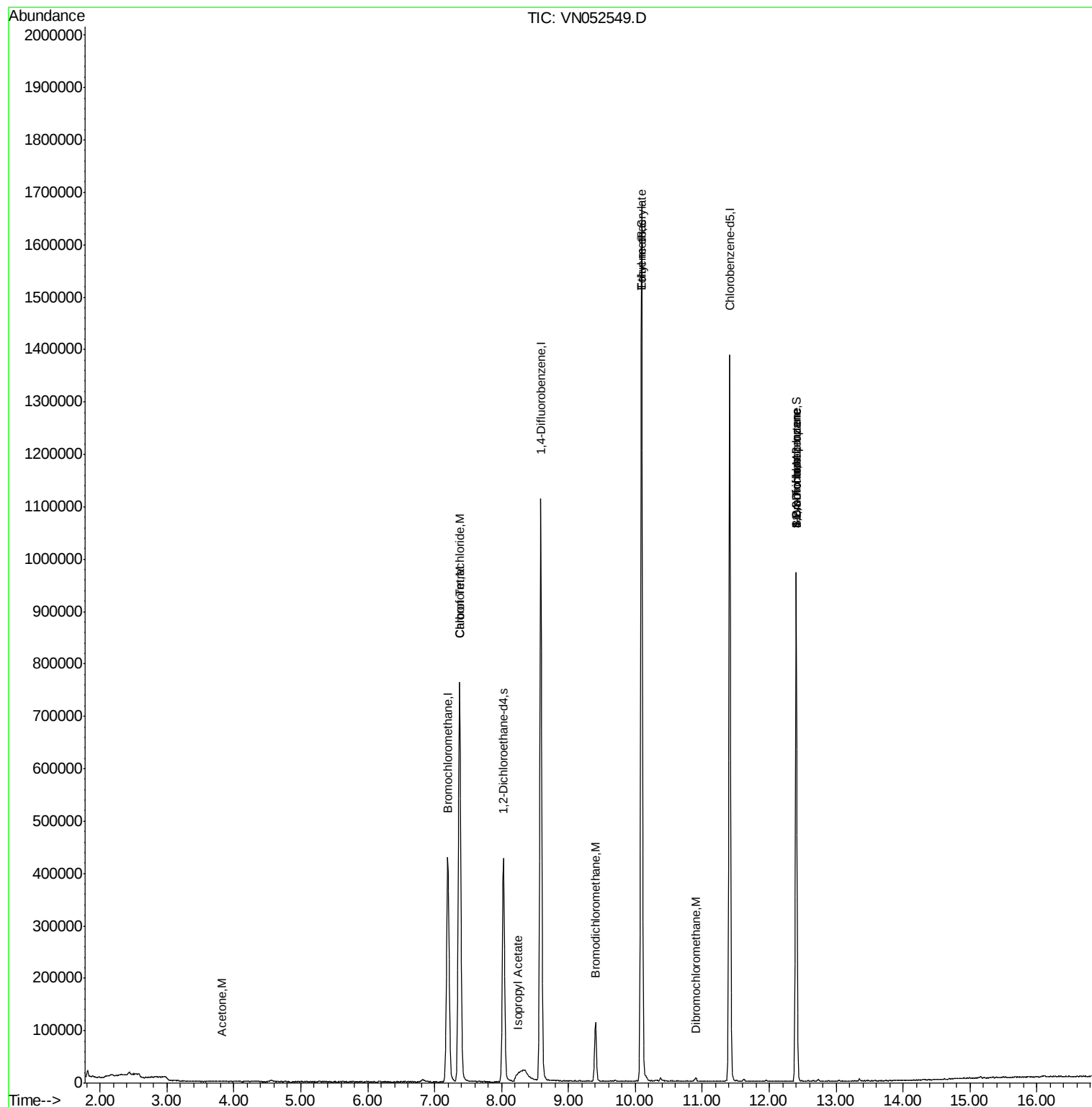
					Ovalue	
15) Acetone	3.82	58	273	0.295	ug/l #	20
25) Chloroform	7.37	83	829998	41.773	ug/l	100
33) Carbon Tetrachloride	7.37	117	10022	0.708	ug/l	96
41) Bromodichloromethane	9.40	83	79594	5.321	ug/l	99
44) Isopropyl Acetate	8.23	43	9332	0.602	ug/l #	56
51) Ethyl methacrylate	10.10	69	3299	0.274	ug/l	78
53) Dibromochloromethane	10.90	129	3772	0.357	ug/l	58
56) Bromoform	12.40	173	2315	0.335	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	160775	17.935	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	160775	56.775	ug/l #	11

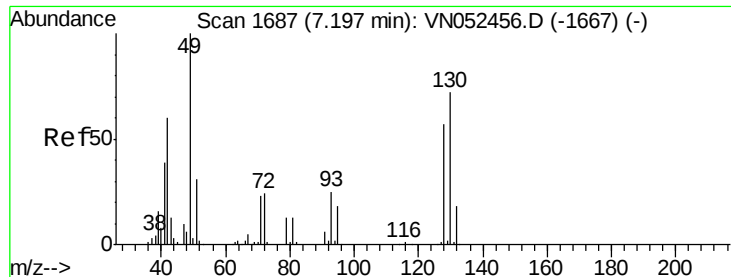
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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MSVOA_N
ClientSampleId :
14B-4DL

Quant Time: Nov 29 07:14:26 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: VN052549.D

Acq: 29 Nov 2018 5:13

Instrument :

MSVOA_N

ClientSampled :

14B-4DL

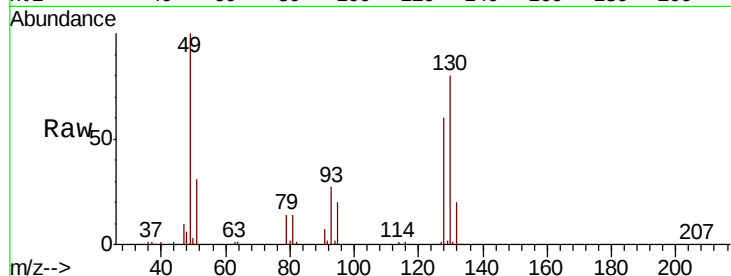
Tot Ion:128 Resp: 175822

Ion Ratio Lower Upper

128 100

49 159.7 0.0 431.8

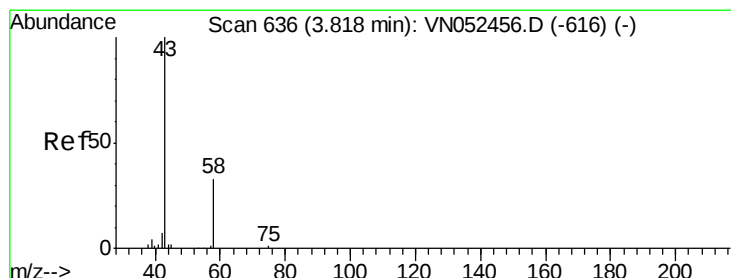
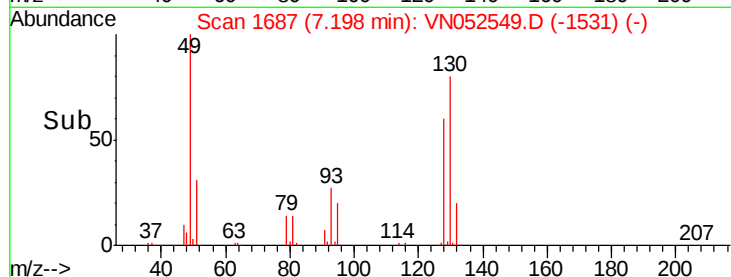
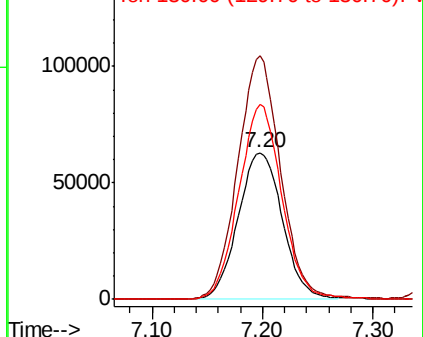
130 129.0 0.0 317.0



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



#15

Acetone

Concen: 0.295 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052549.D

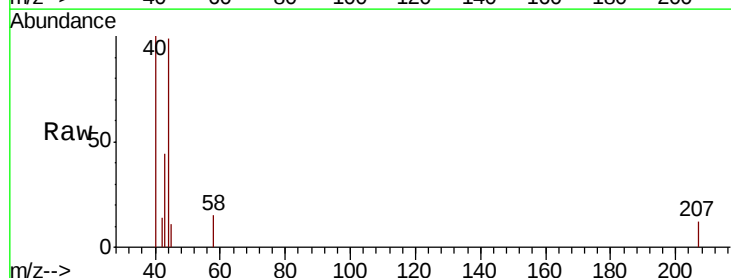
Acq: 29 Nov 2018 5:13

Tgt Ion: 58 Resp: 273

Ion Ratio Lower Upper

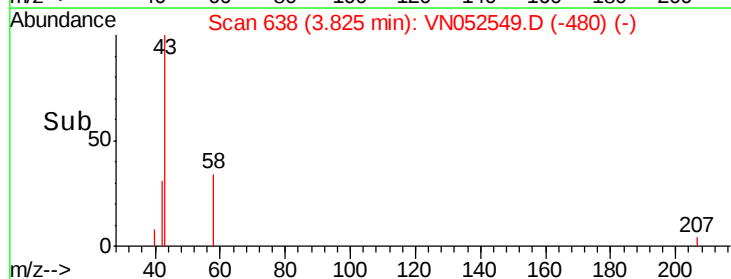
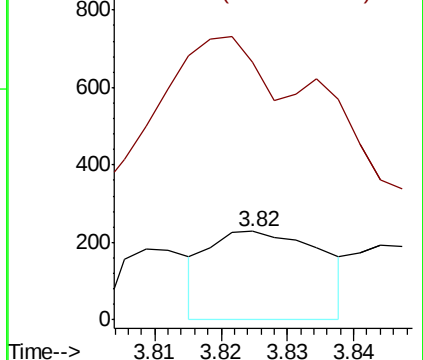
58 100

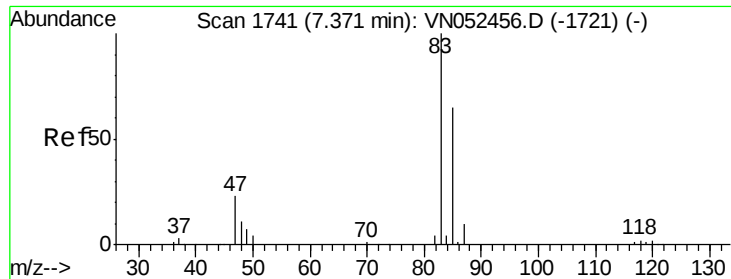
43 147.0 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

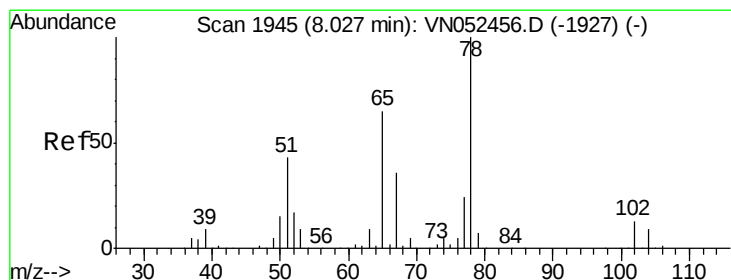
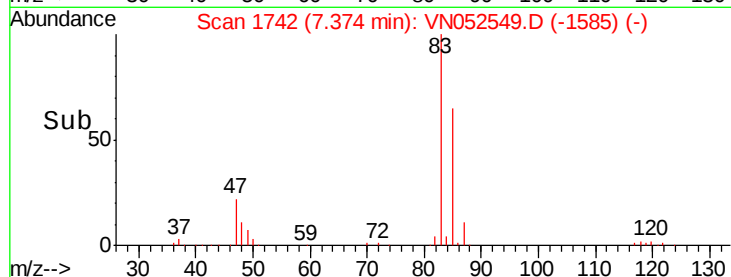
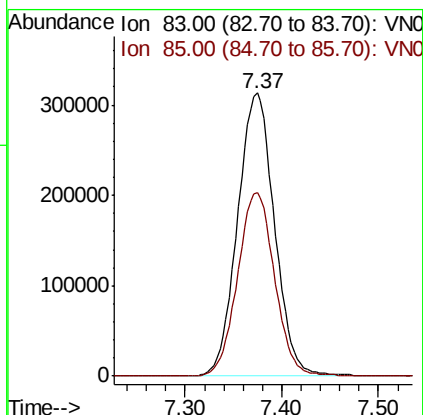
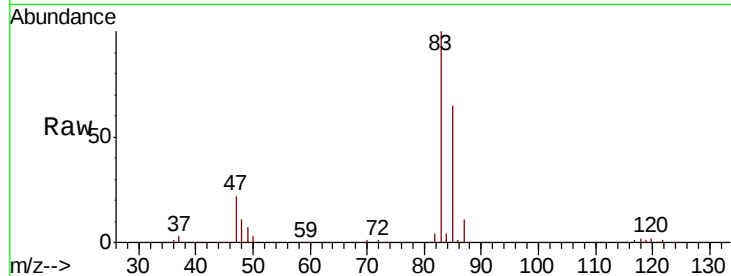




#25
Chloroform
Concen: 41.773 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052549.D
Acq: 29 Nov 2018 5:13

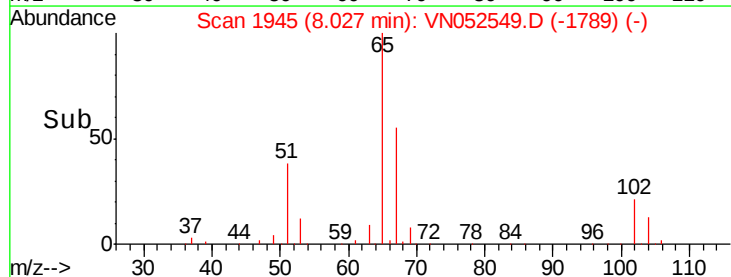
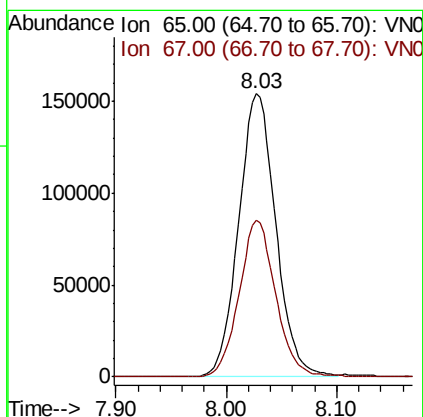
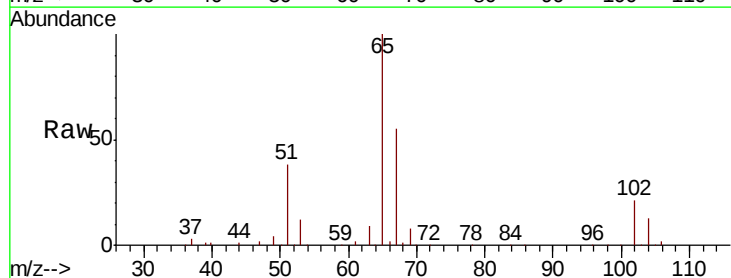
Instrument :
MSVOA_N
ClientSampled :
14B-4DL

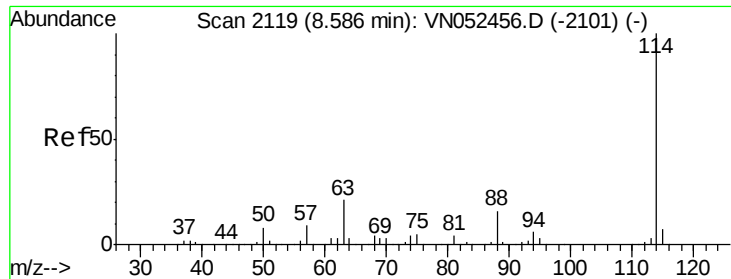
Tot Ion: 83 Resp: 829998
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052549.D
Acq: 29 Nov 2018 5:13

Tgt Ion: 65 Resp: 359317
Ion Ratio Lower Upper
65 100
67 54.6 44.6 66.8

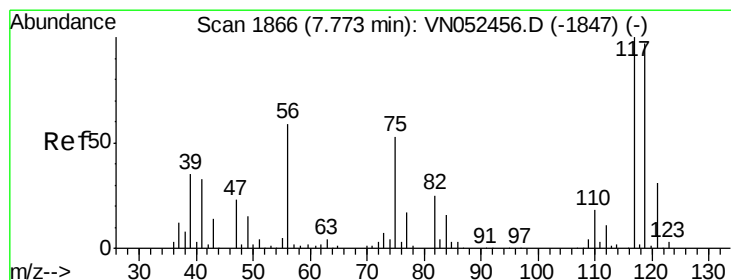
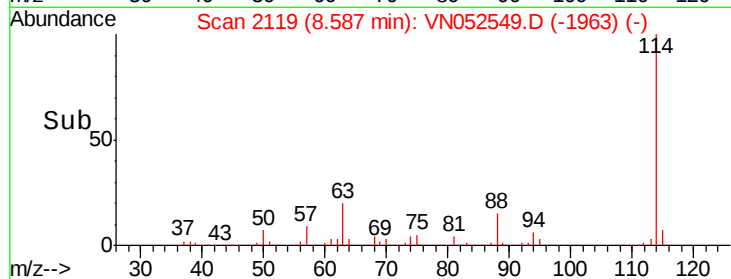
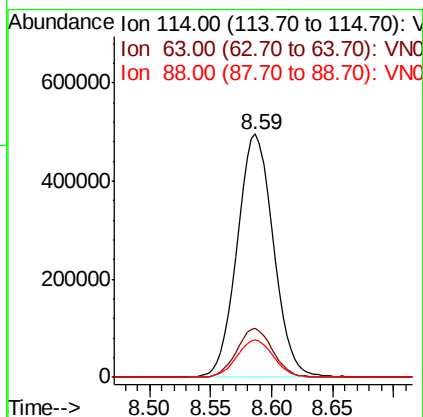
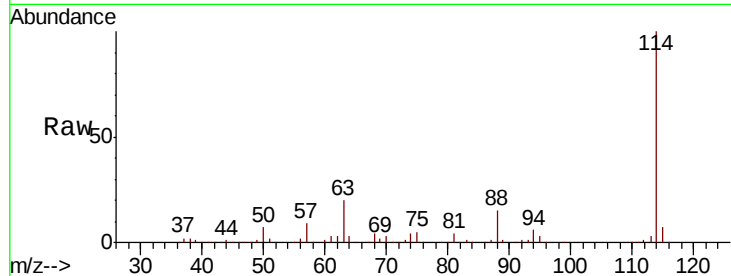




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052549.D
 Acq: 29 Nov 2018 5:13

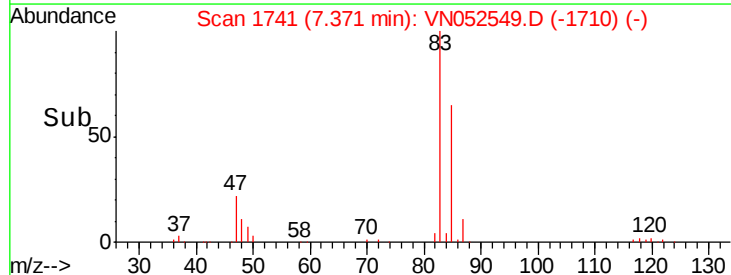
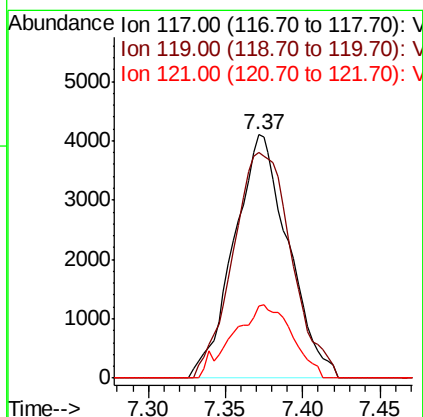
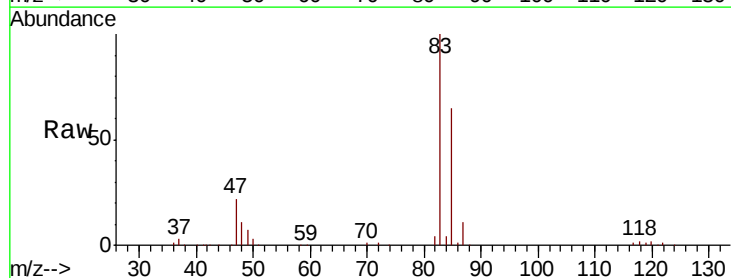
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4DL

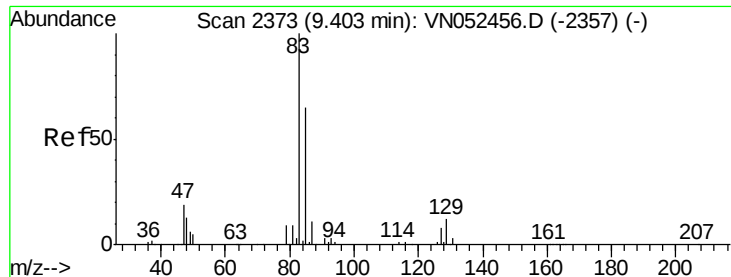
Tot Ion:114 Resp: 1018072
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.4 12.8 19.2



#33
 Carbon Tetrachloride
 Concen: 0.708 ug/l
 RT: 7.37 min Scan# 1741
 Delta R.T. -0.40 min
 Lab File: VN052549.D
 Acq: 29 Nov 2018 5:13

Tgt Ion:117 Resp: 10022
 Ion Ratio Lower Upper
 117 100
 119 92.8 77.3 115.9
 121 29.5 24.9 37.3





#41

Bromodichloromethane

Concen: 5.321 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052549.D

Acq: 29 Nov 2018 5:13

Instrument :

MSVOA_N

ClientSampled :

14B-4DL

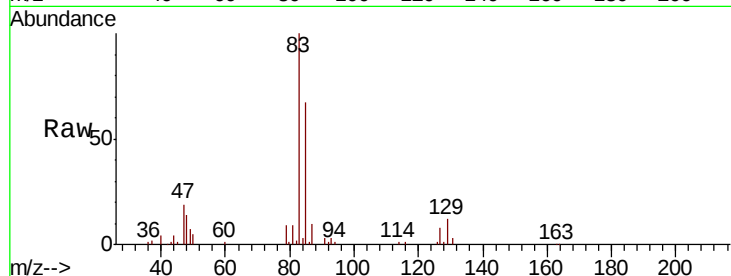
Tot Ion: 83 Resp: 79594

Ion Ratio Lower Upper

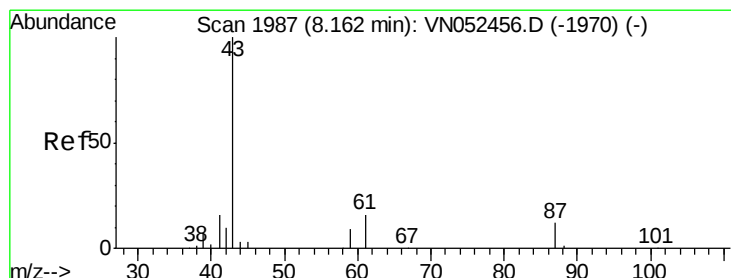
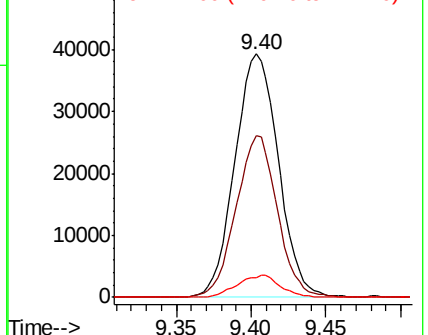
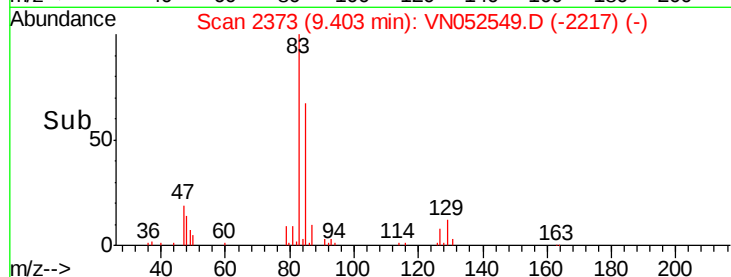
83 100

85 66.6 52.4 78.6

127 8.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052549.D (-2217) (-)



#44

Isopropyl Acetate

Concen: 0.602 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN052549.D

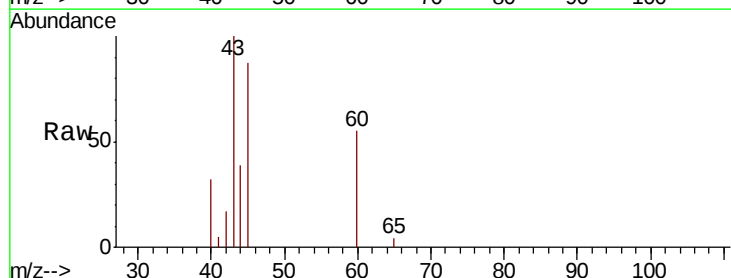
Acq: 29 Nov 2018 5:13

Tgt Ion: 43 Resp: 9332

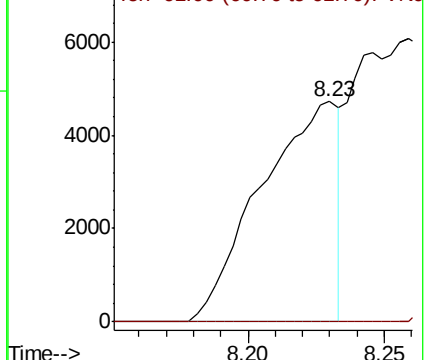
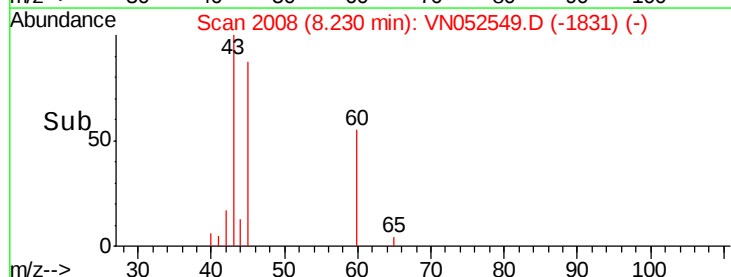
Ion Ratio Lower Upper

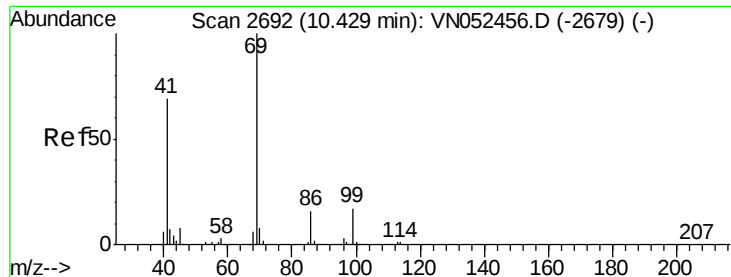
43 100

61 0.0 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052549.D (-1831) (-)





#51

Ethyl methacrylate

Concen: 0.274 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052549.D

Acq: 29 Nov 2018 5:13

Instrument :

MSVOA_N

ClientSampleId :

14B-4DL

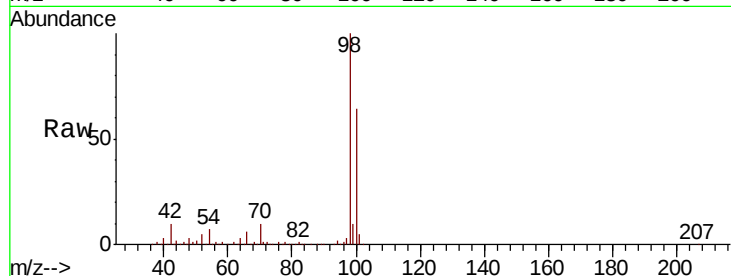
Tot Ion: 69 Resp: 3299

Ion Ratio Lower Upper

69 100

41 89.9 34.4 103.3

39 40.4 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052549.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN052549.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN052549.D (-2536) (-)

10.10

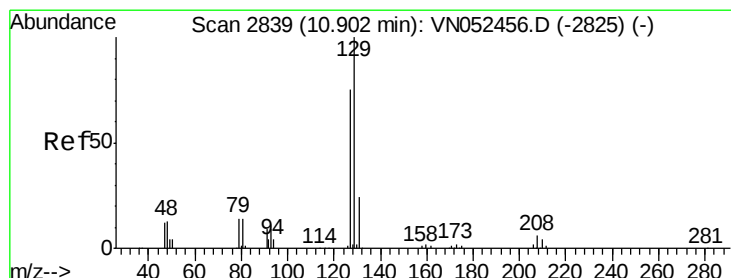
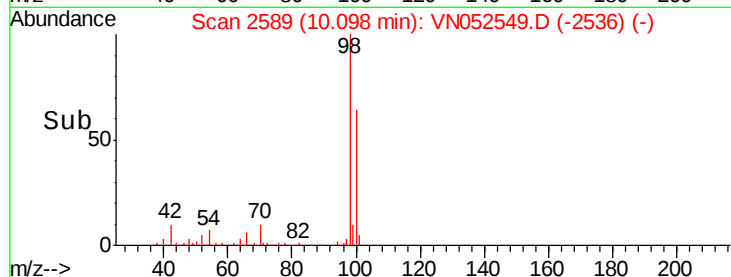
1500

1000

500

0

Time-->



#53

Dibromochloromethane

Concen: 0.357 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052549.D

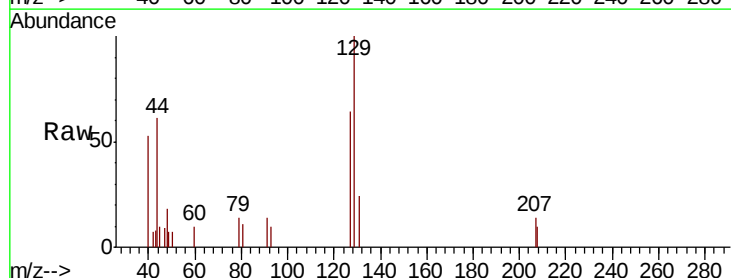
Acq: 29 Nov 2018 5:13

Tgt Ion: 129 Resp: 3772

Ion Ratio Lower Upper

129 100

127 39.4 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN052549.D (-2683) (-)

Ion 127.00 (126.70 to 127.70): VN052549.D (-2683) (-)

10.90

2500

2000

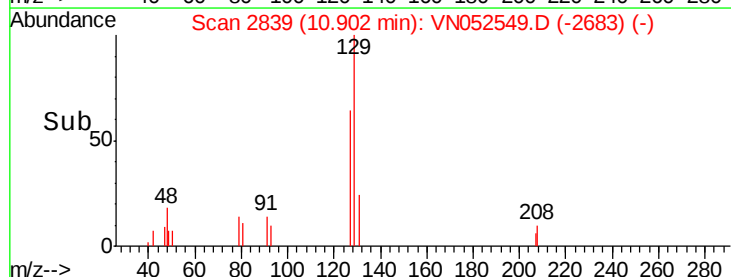
1500

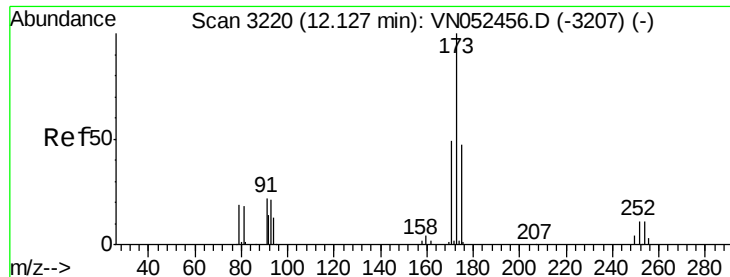
1000

500

0

Time-->

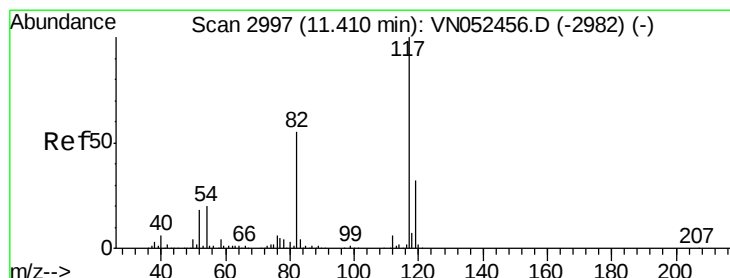
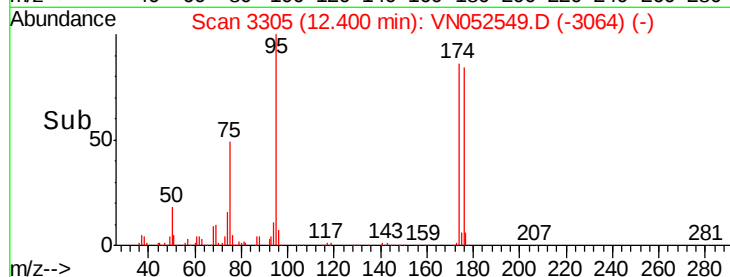
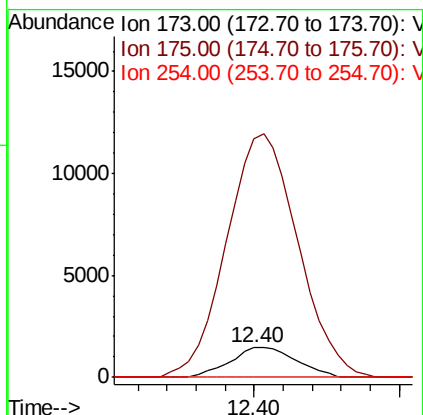
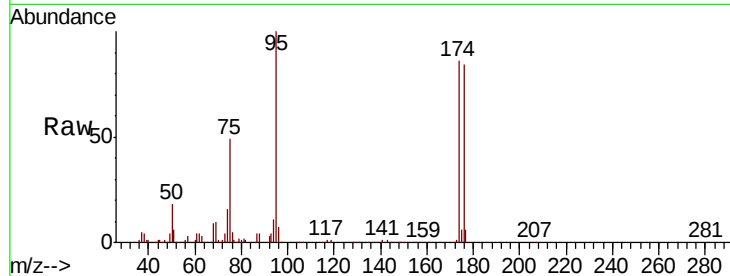




#56
Bromoform
Concen: 0.335 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052549.D
Acq: 29 Nov 2018 5:13

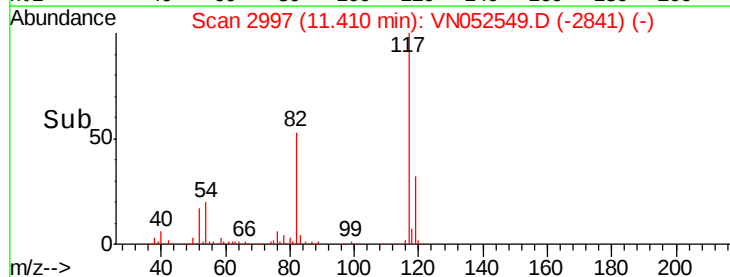
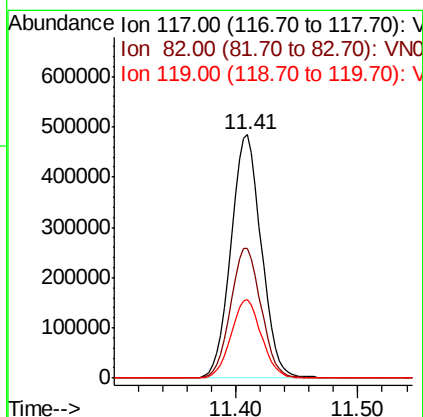
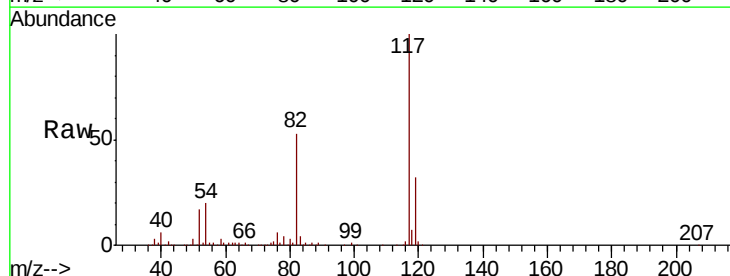
Instrument :
MSVOA_N
ClientSampleId :
14B-4DL

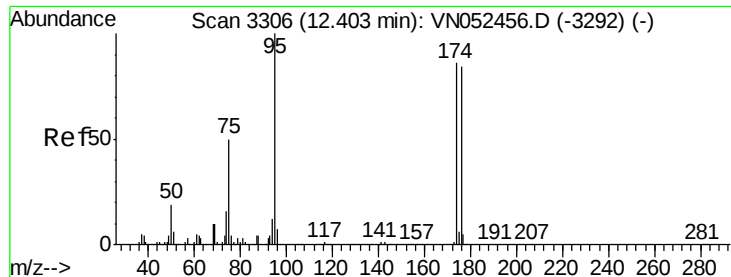
Tot Ion:173 Resp: 2315
Ion Ratio Lower Upper
173 100
175 881.6 38.7 58.1#
254 0.0 8.4 12.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052549.D
Acq: 29 Nov 2018 5:13

Tgt Ion:117 Resp: 839794
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.3 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: VN052549.D

Acq: 29 Nov 2018 5:13

Instrument :

MSVOA_N

ClientSampled :

14B-4DL

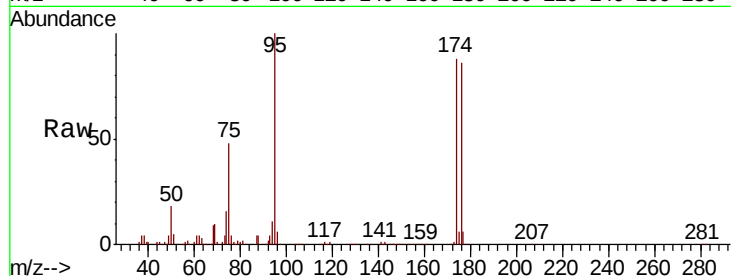
Tot Ion: 95 Resp: 334158

Ion Ratio Lower Upper

95 100

174 88.6 67.9 101.9

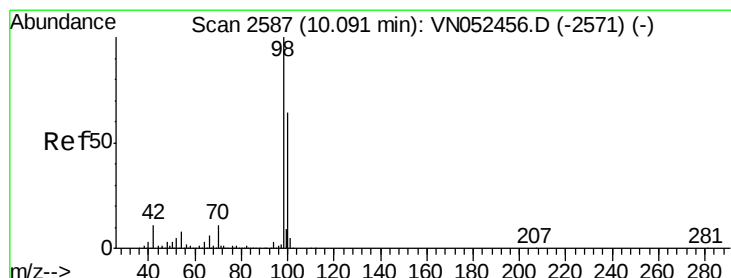
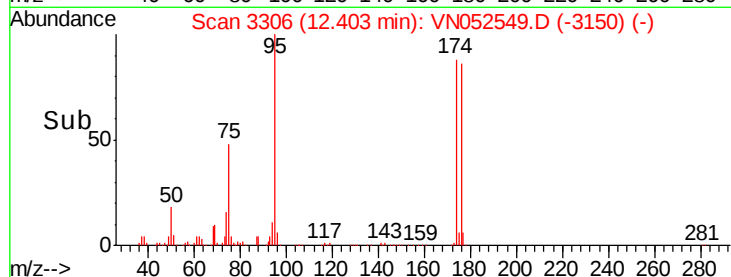
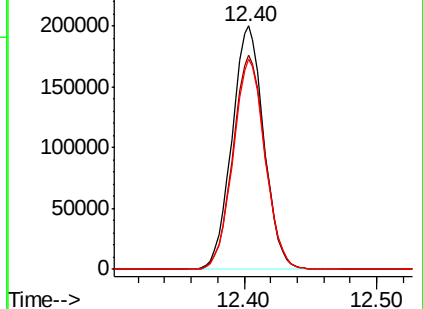
176 86.2 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052549.D

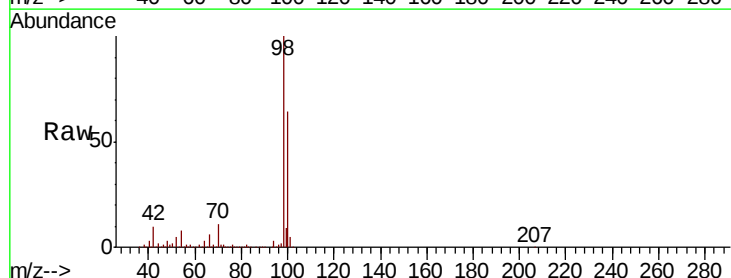
Acq: 29 Nov 2018 5:13

Tgt Ion: 98 Resp: 1187430

Ion Ratio Lower Upper

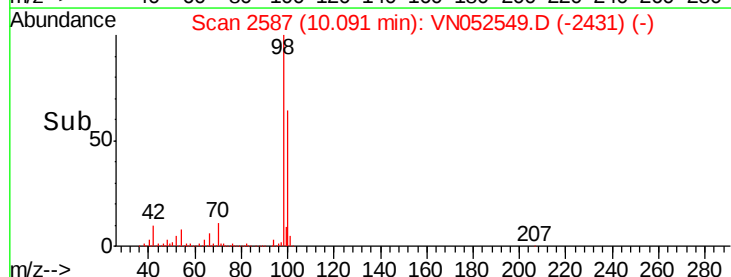
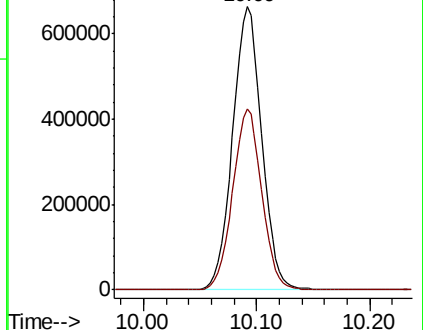
98 100

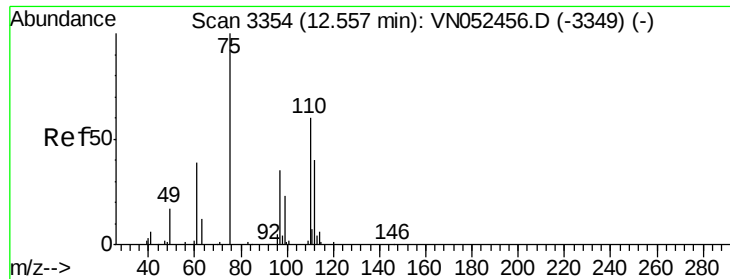
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)





#72

1,2,3-Trichloropropane

Concen: 17.935 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052549.D

Acq: 29 Nov 2018 5:13

Instrument :

MSVOA_N

ClientSampled :

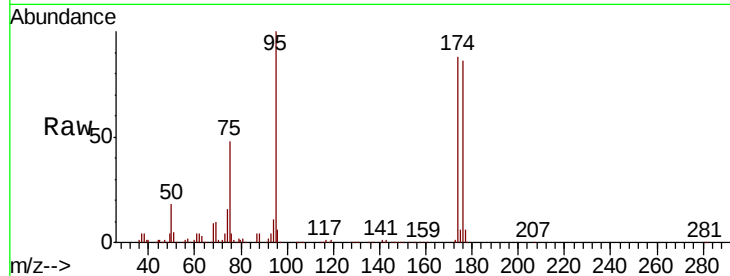
14B-4DL

Tot Ion: 75 Resp: 160775

Ion Ratio Lower Upper

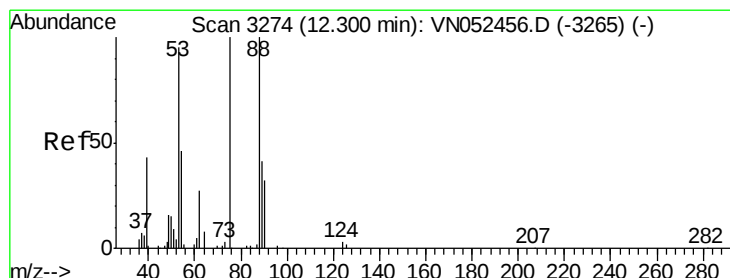
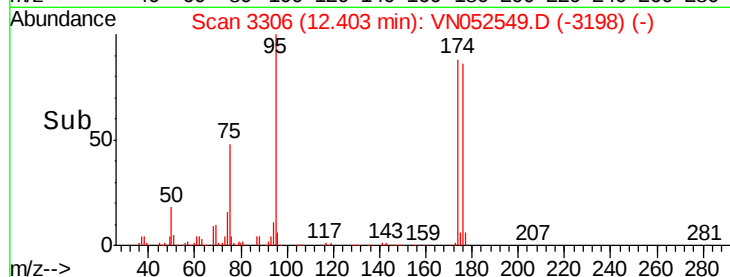
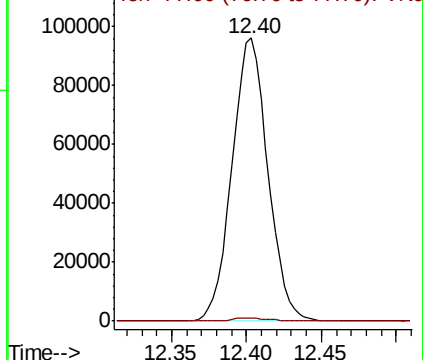
75 100

77 1.2 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 56.775 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052549.D

Acq: 29 Nov 2018 5:13

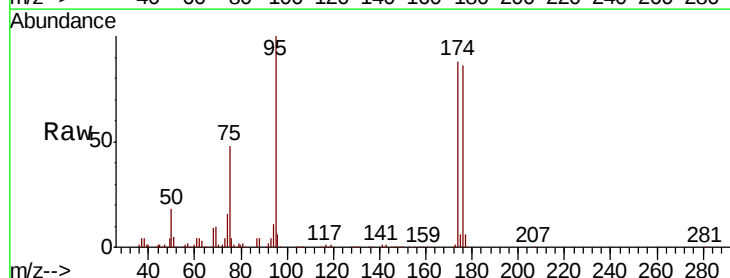
Tgt Ion: 75 Resp: 160775

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

