

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053643.D
 Acq On : 6 Feb 2019 18:57
 Operator : JC/SP
 Sample : K1389-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 M-7

Quant Time: Feb 07 03:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	763902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1274808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1132899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	466317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	409330	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.59	113	402864	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.09	98	1522500	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	503533	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

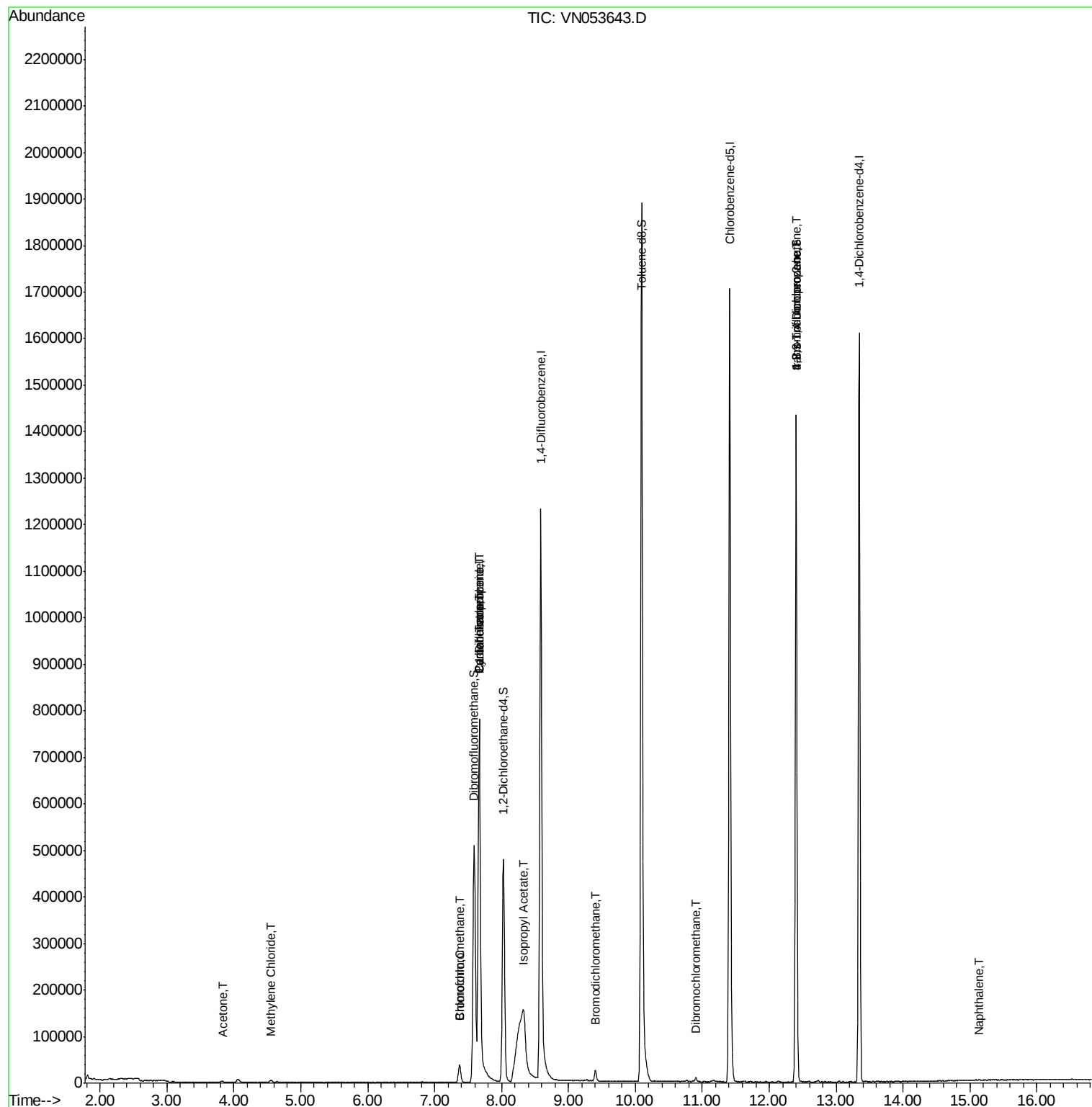
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5444	2.770	ug/l	99
20) Methylene Chloride	4.56	84	3519	0.427	ug/l	96
28) Bromochloromethane	7.38	49	2994	0.496	ug/l #	10
30) Chloroform	7.37	83	42929	3.111	ug/l	99
31) Cyclohexane	7.67	56	11733	0.738	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	45687	3.976	ug/l #	48
38) Carbon Tetrachloride	7.67	117	63459	5.482	ug/l #	16
43) Isopropyl Acetate	8.32	43	459833	37.099	ug/l #	52
47) Bromodichloromethane	9.40	83	17860	1.572	ug/l	100
60) Dibromochloromethane	10.90	129	5859	0.686	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	232630	38.839	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	232630	109.213	ug/l #	15
95) Naphthalene	15.13	128	838	1.776	ug/l #	69

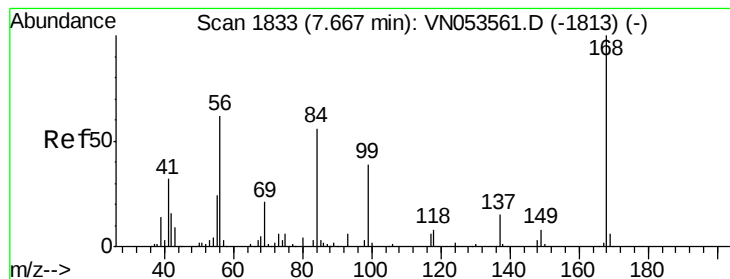
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

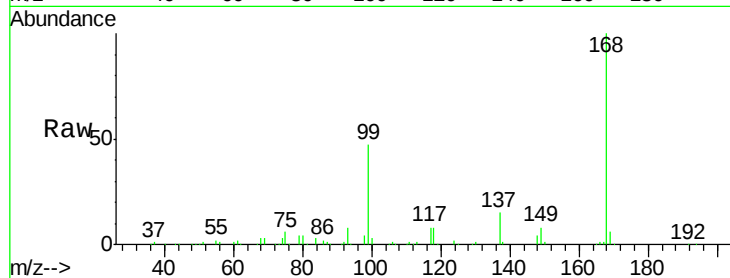
M-7

Tot Ion:168 Resp: 763902

Ion Ratio Lower Upper

168 100

99 47.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053561.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053561.D (-1813) (-)

7.67

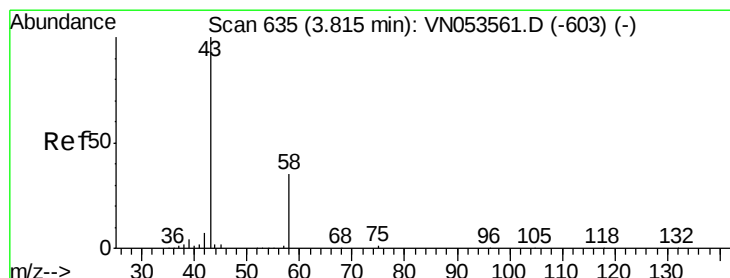
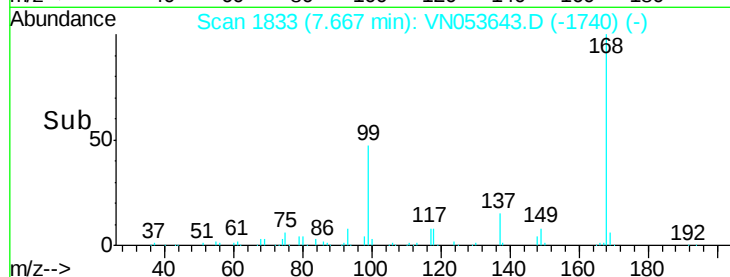
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 2.770 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053643.D

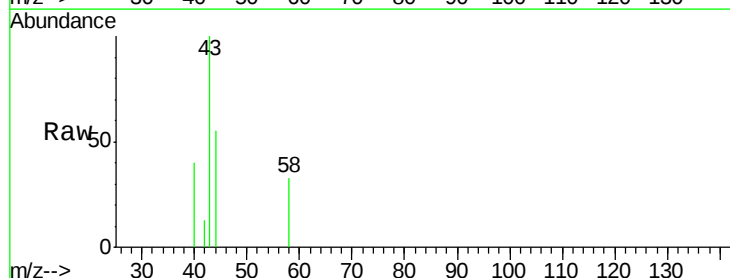
Acq: 6 Feb 2019 18:57

Tgt Ion: 43 Resp: 5444

Ion Ratio Lower Upper

43 100

58 33.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

3.82

2000

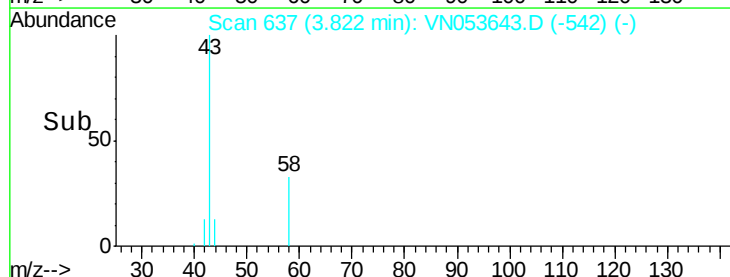
1500

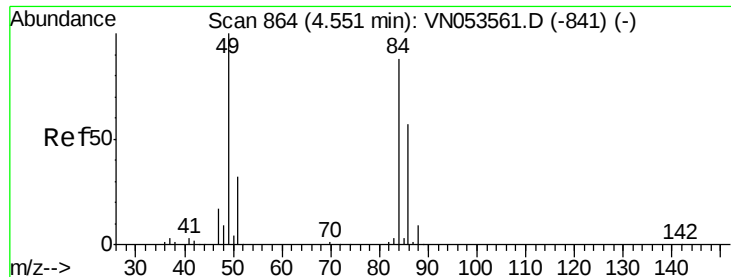
1000

500

0

Time-->

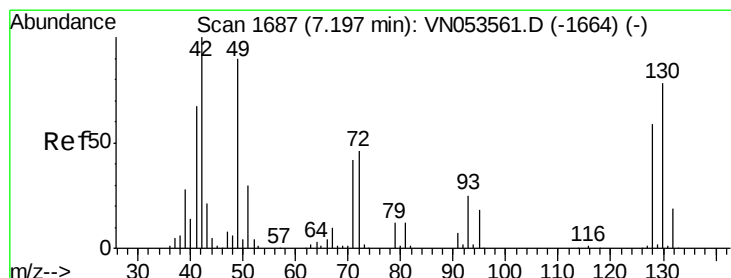
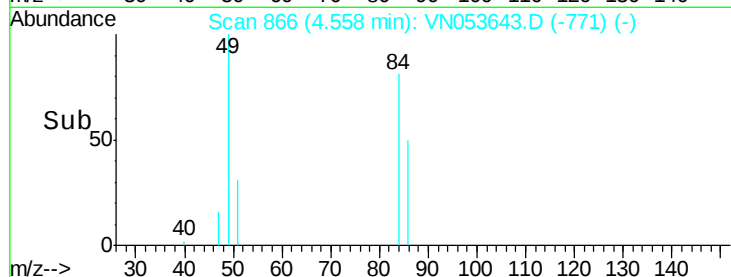
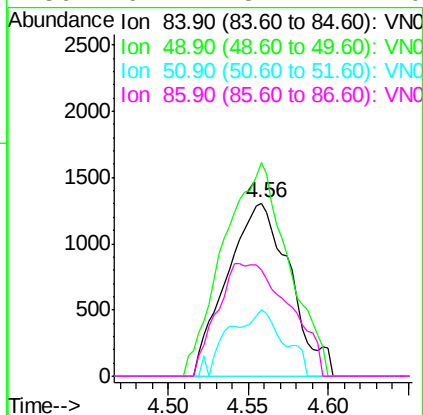
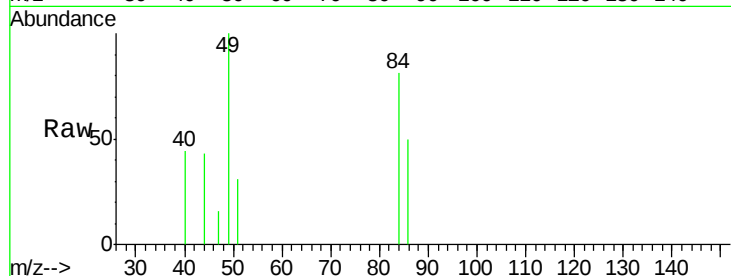




#20
Methvlene Chloride
Concen: 0.427 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

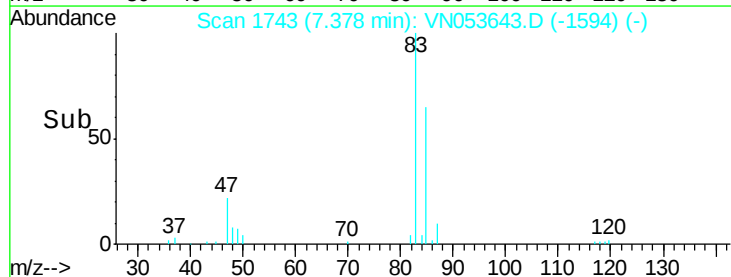
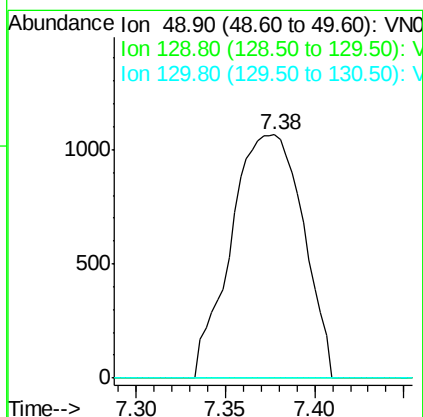
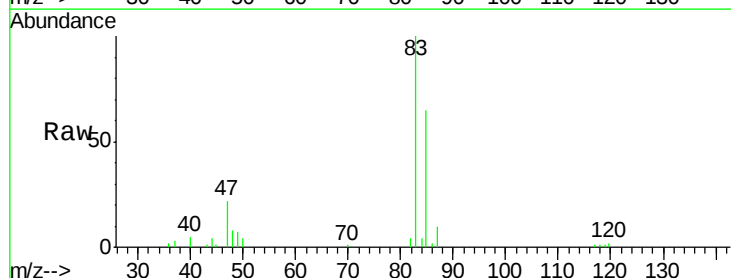
Instrument :
MSVOA_N
ClientSampled :
M-7

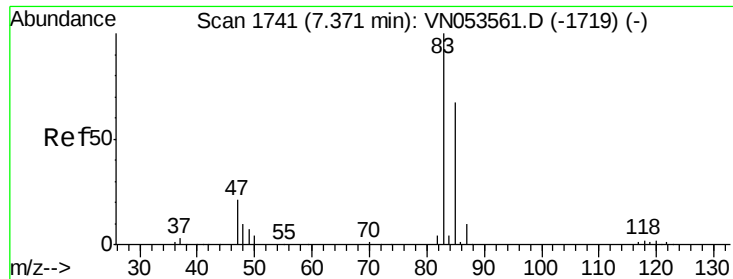
Tot Ion: 84 Resp: 3519
Ion Ratio Lower Upper
84 100
49 123.3 94.3 141.5
51 38.2 29.4 44.2
86 61.4 51.4 77.0



#28
Bromochloromethane
Concen: 0.496 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.18 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

Tgt Ion: 49 Resp: 2994
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 66.3 99.5#

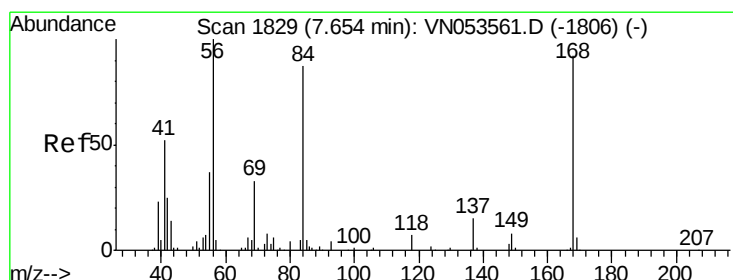
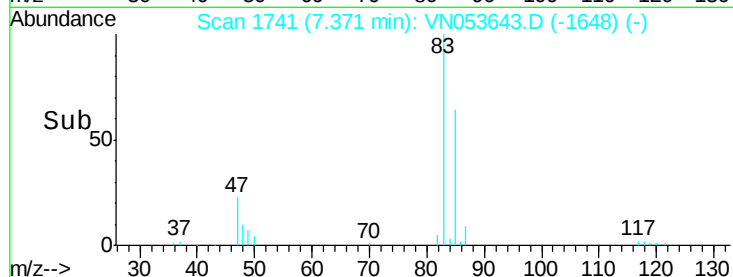
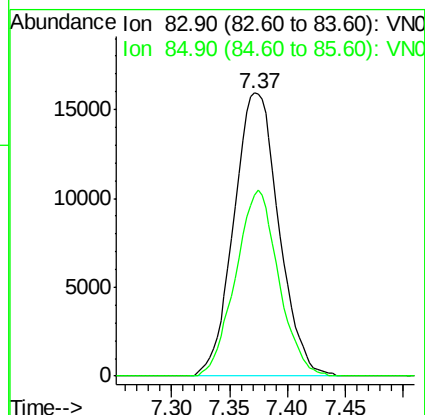
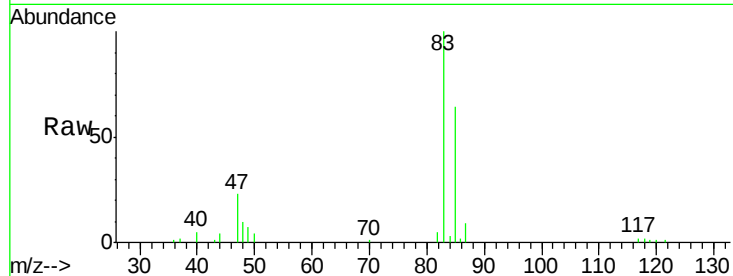




#30
Chloroform
Concen: 3.111 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

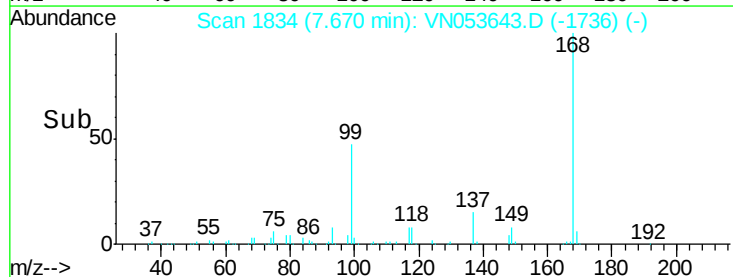
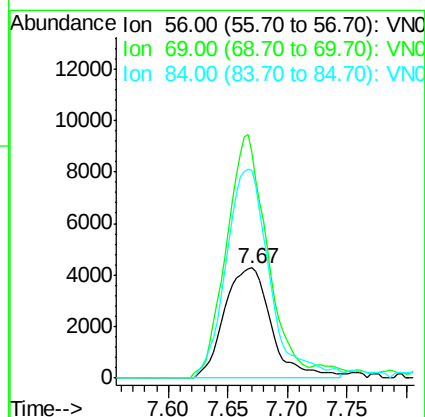
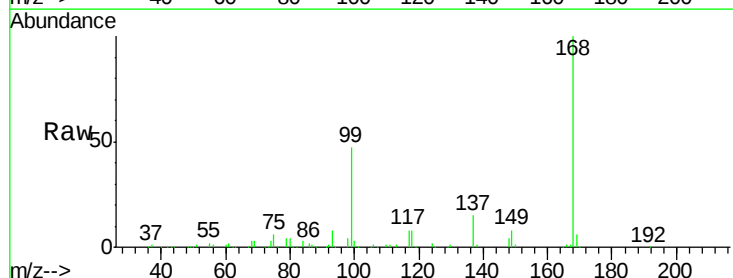
Instrument :
MSVOA_N
ClientSampleId :
M-7

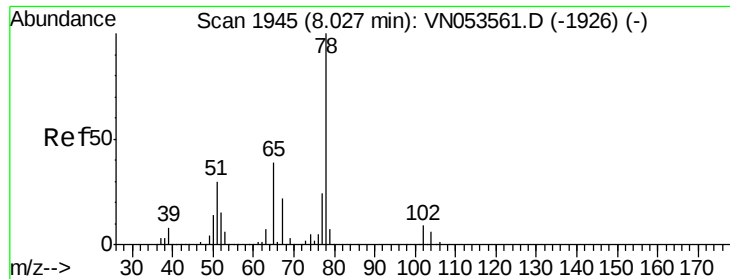
Tot Ion: 83 Resp: 42929
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2



#31
Cyclohexane
Concen: 0.738 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

Tgt Ion: 56 Resp: 11733
Ion Ratio Lower Upper
56 100
69 203.9 26.4 39.6#
84 188.6 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

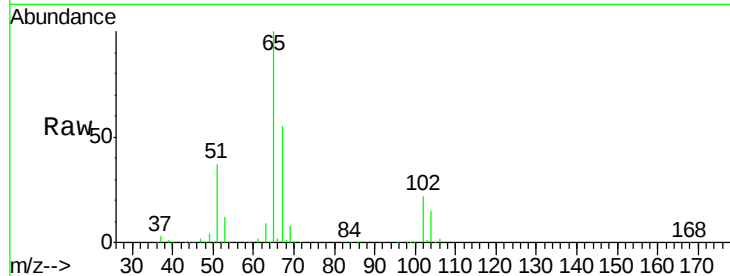
M-7

Tot Ion: 65 Resp: 409330

Ion Ratio Lower Upper

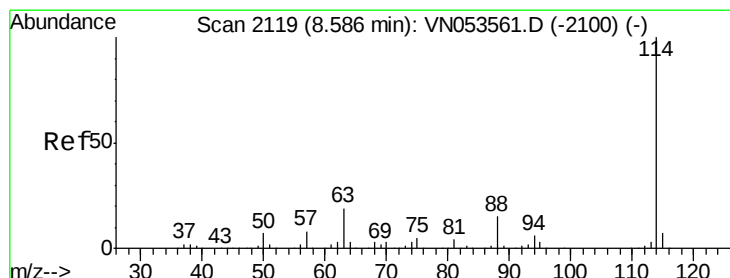
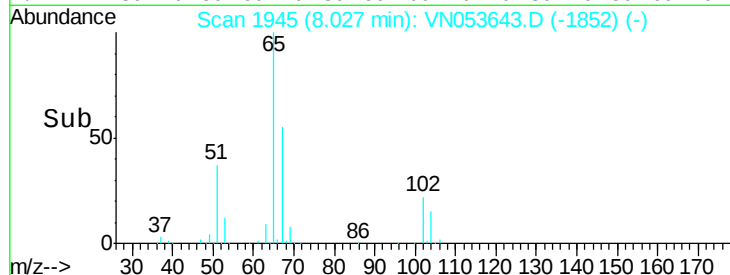
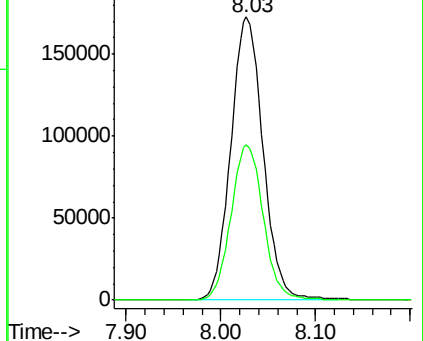
65 100

67 55.3 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053643.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053643.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

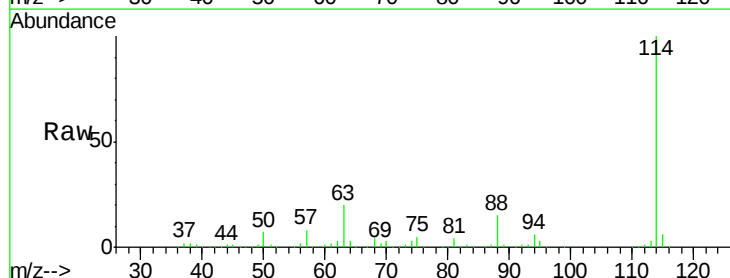
Tgt Ion: 114 Resp: 1274808

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

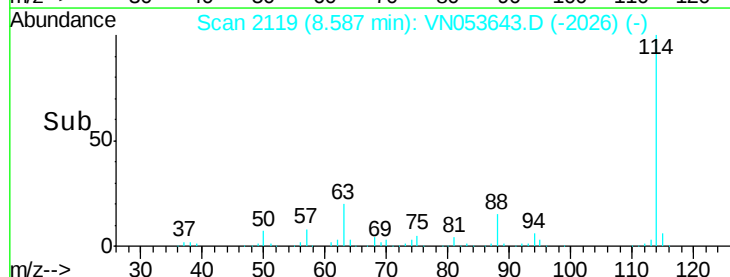
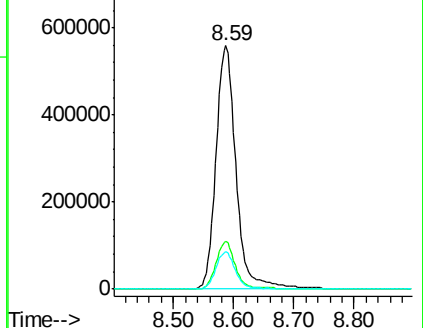
88 15.2 0.0 30.4

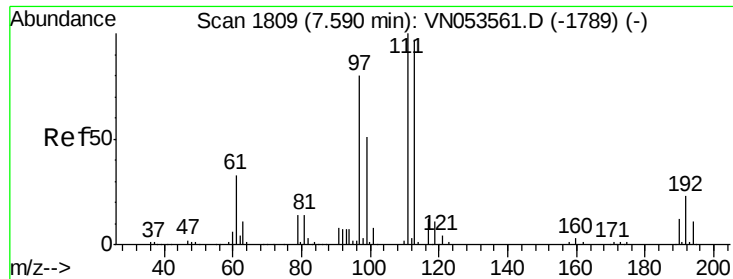


Abundance Ion 113.90 (113.60 to 114.60): VN053643.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053643.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053643.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

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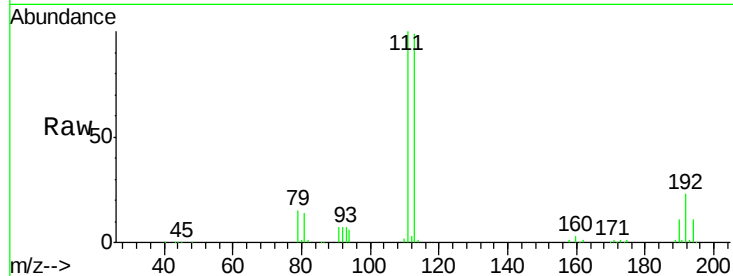
Tot Ion:113 Resp: 402864

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

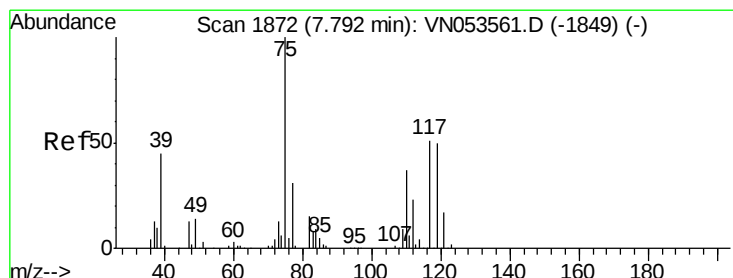
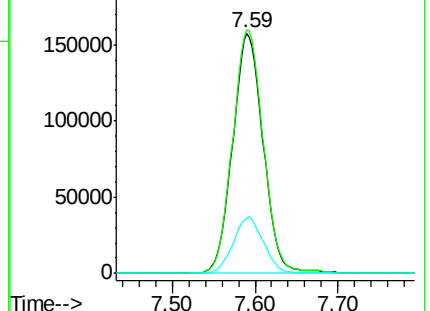
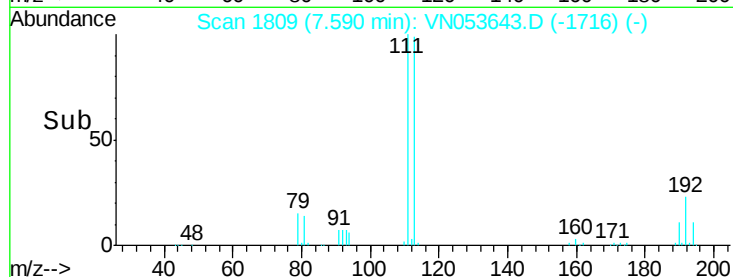
192 23.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.976 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

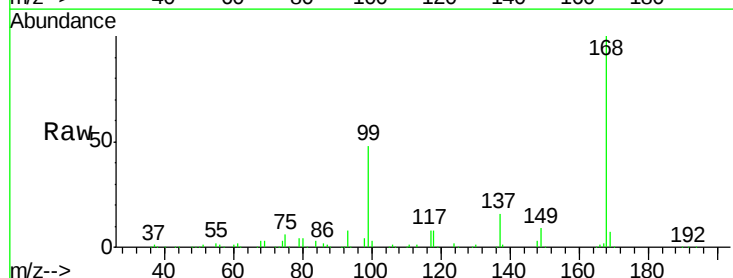
Tgt Ion: 75 Resp: 45687

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

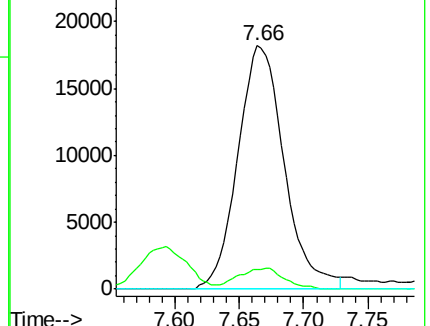
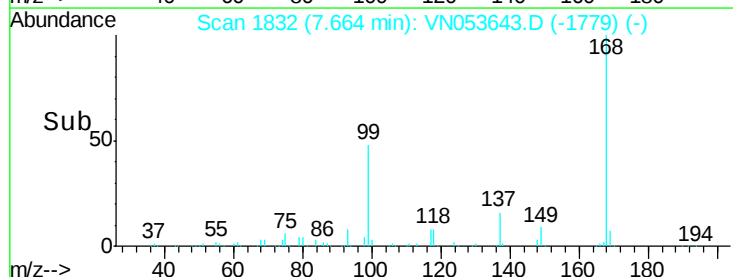
77 0.0 25.1 37.7#

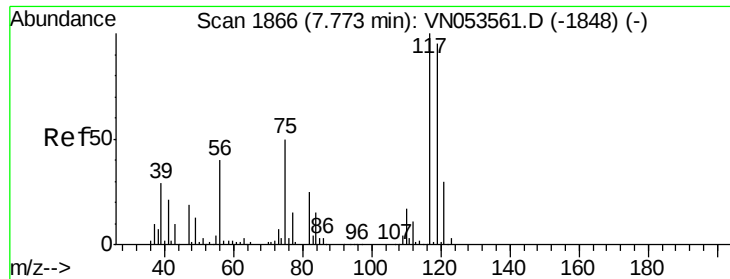


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.482 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

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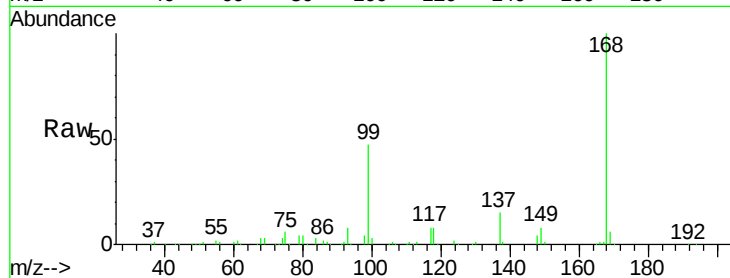
Tot Ion:117 Resp: 63459

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

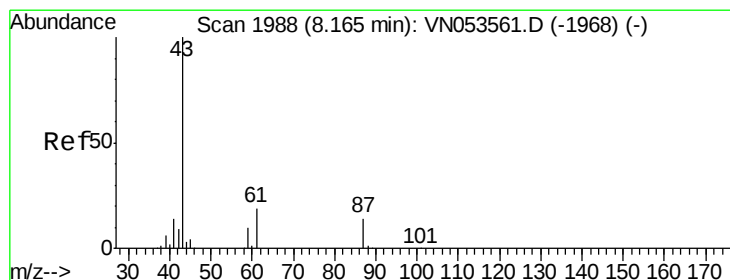
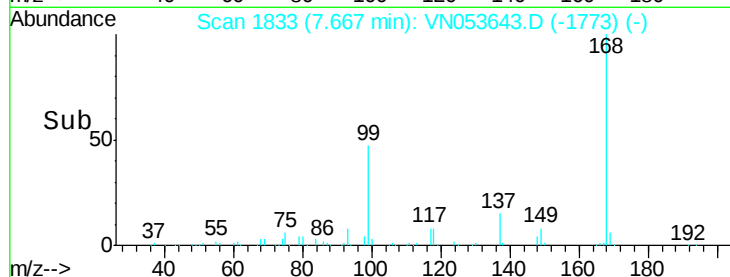
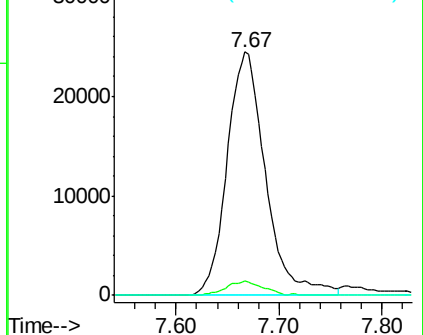
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 37.099 ug/l

RT: 8.32 min Scan# 2037

Delta R.T. 0.16 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

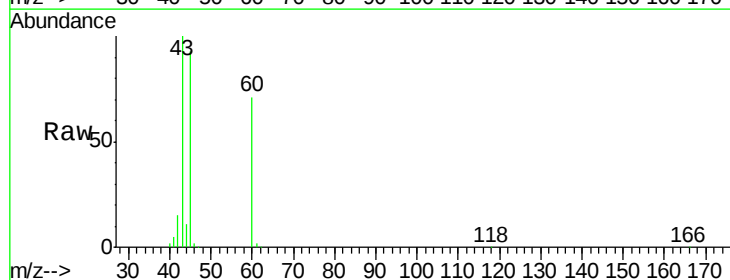
Tgt Ion: 43 Resp: 459833

Ion Ratio Lower Upper

43 100

61 0.2 23.9 35.9#

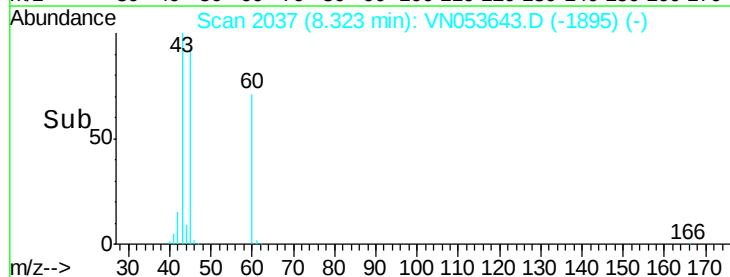
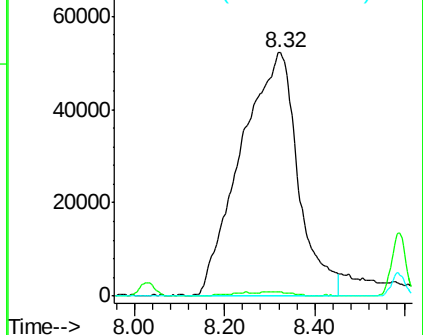
87 0.0 11.0 16.6#

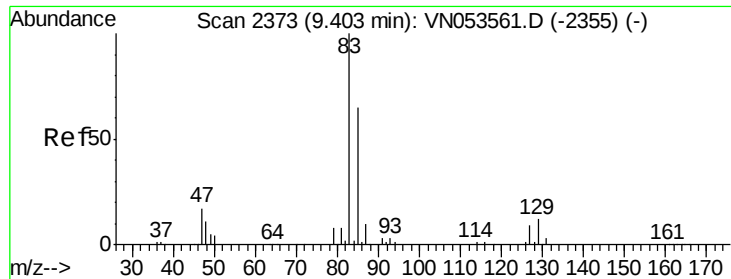


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 1.572 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

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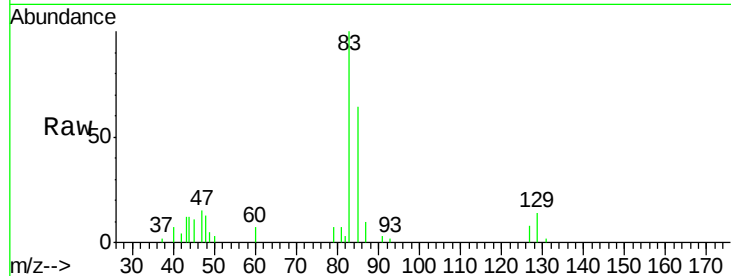
Tot Ion: 83 Resp: 17860

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.6

127 8.2 7.0 10.6

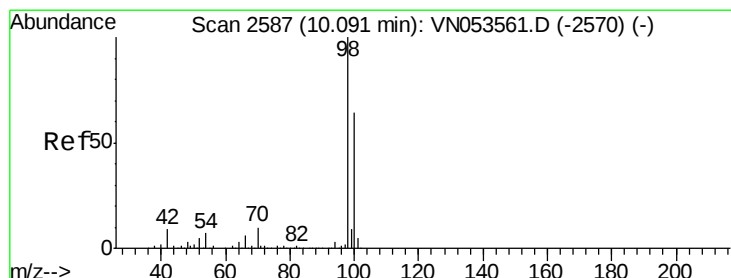
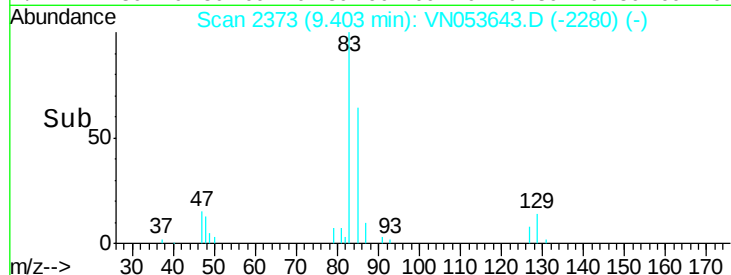


Abundance Ion 82.90 (82.60 to 83.60): VN053643.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053643.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053643.D (-2280) (-)

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053643.D

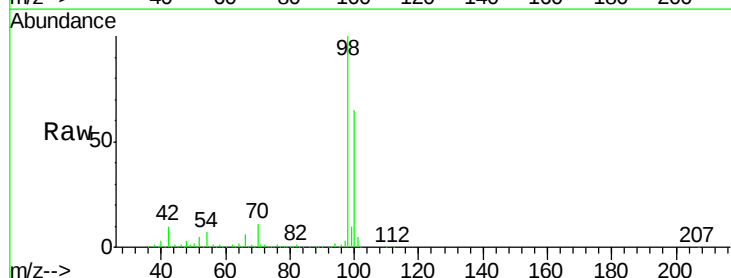
Acq: 6 Feb 2019 18:57

Tgt Ion: 98 Resp: 1522500

Ion Ratio Lower Upper

98 100

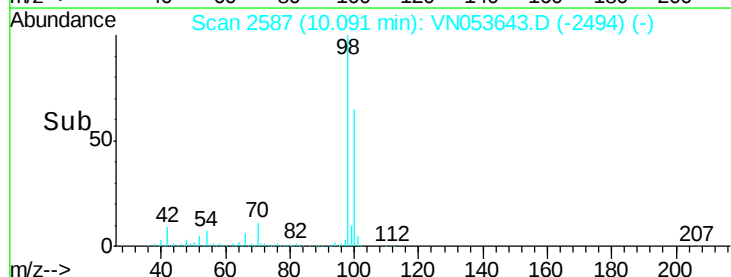
100 64.5 51.4 77.0

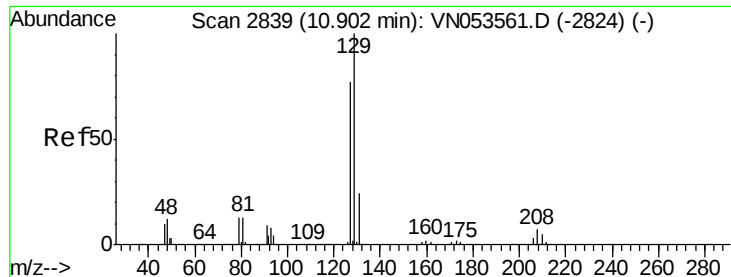


Abundance Ion 98.00 (97.70 to 98.70): VN053643.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053643.D (-2494) (-)

Time-->





#60

Dibromochloromethane

Concen: 0.686 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

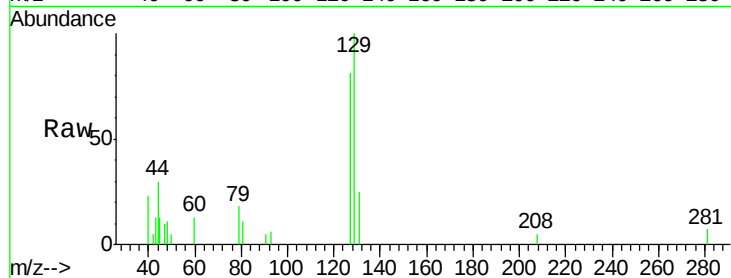
M-7

Tot Ion:129 Resp: 5859

Ion Ratio Lower Upper

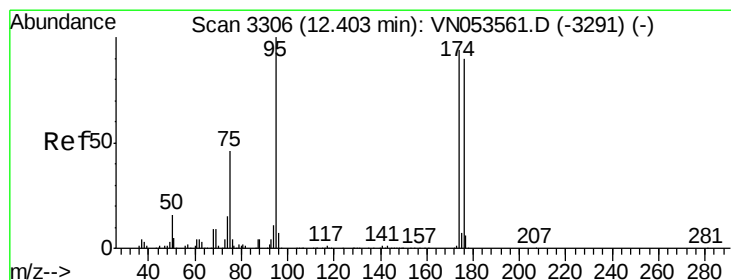
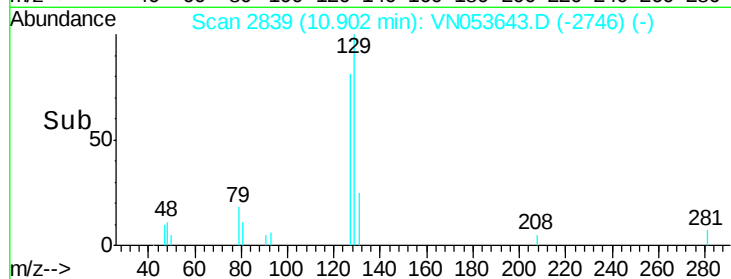
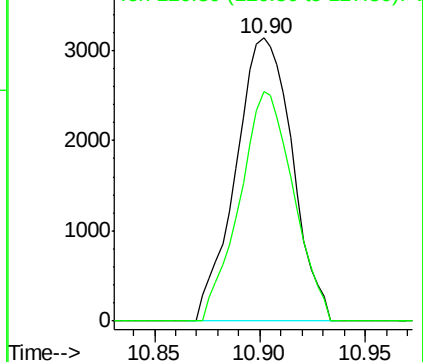
129 100

127 76.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

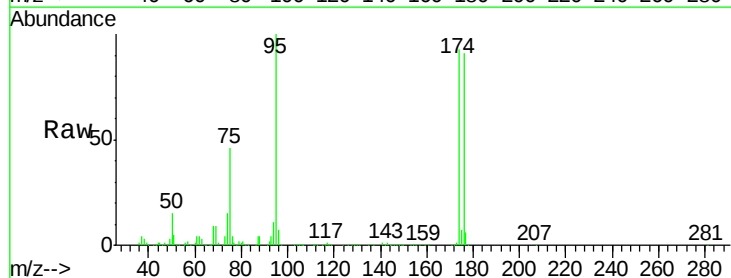
Tgt Ion: 95 Resp: 503533

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.2

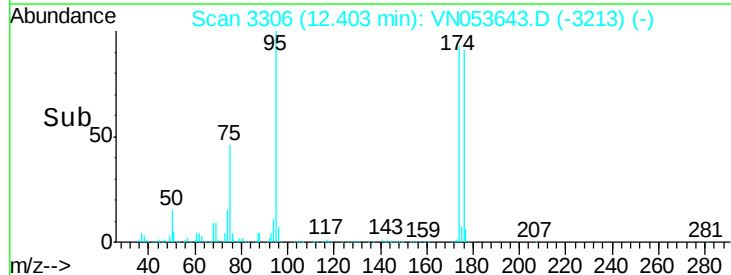
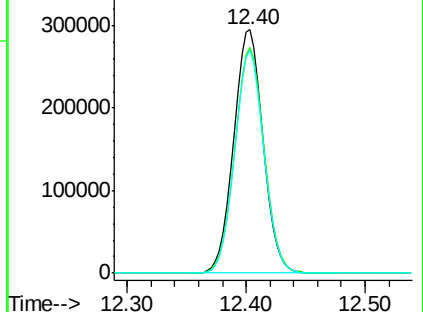
176 90.5 0.0 177.4

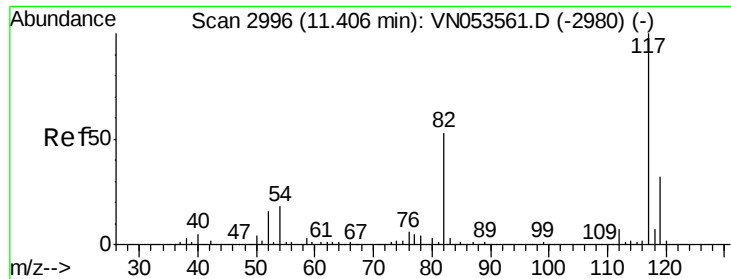


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

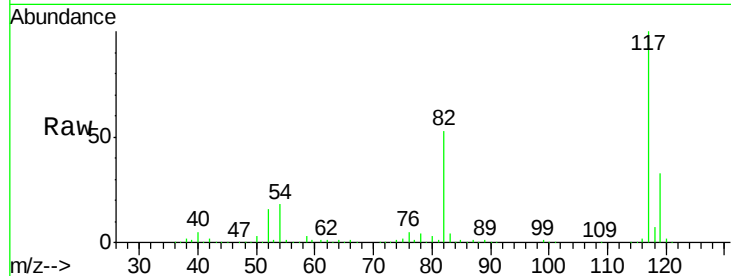




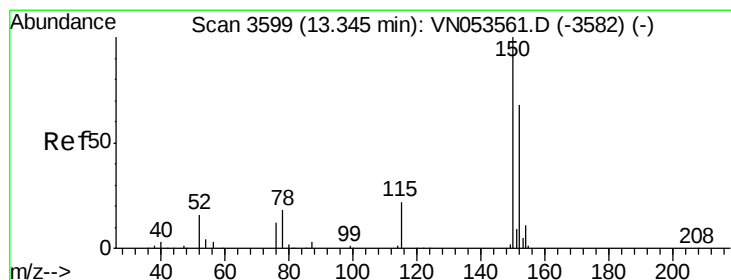
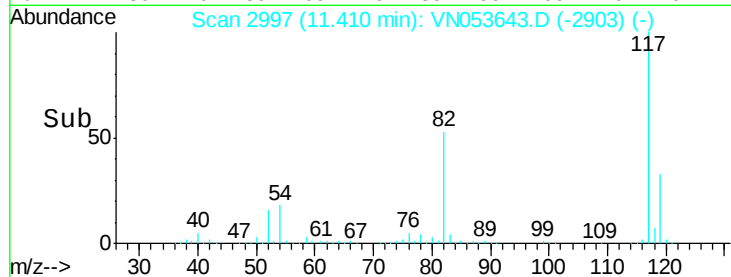
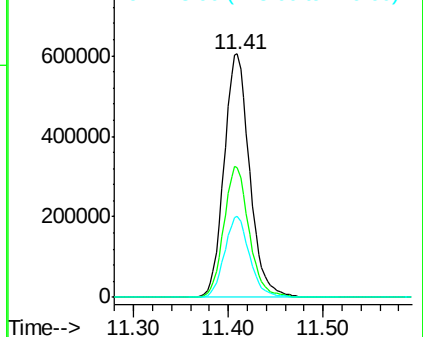
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
M-7

Tot Ion:117 Resp: 1132899
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 33.1 26.0 39.0

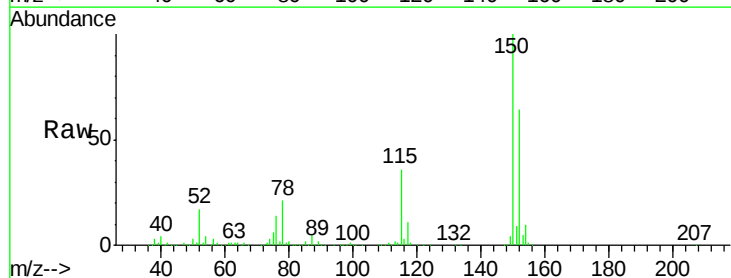


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

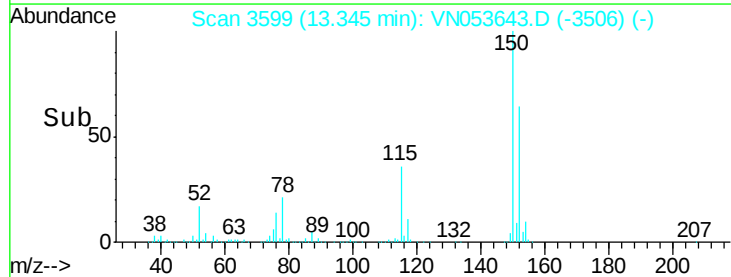
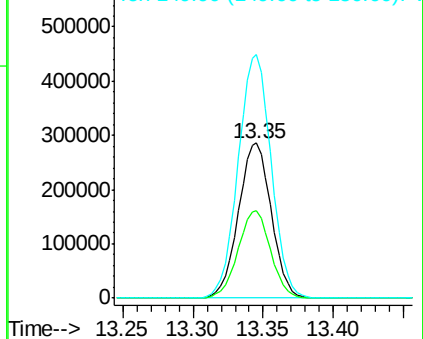


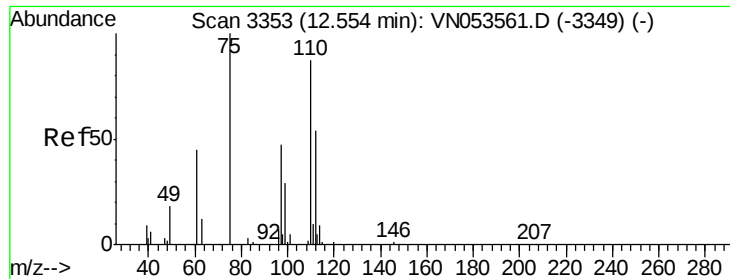
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053643.D
Acq: 6 Feb 2019 18:57

Tgt Ion:152 Resp: 466317
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 158.0 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.839 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

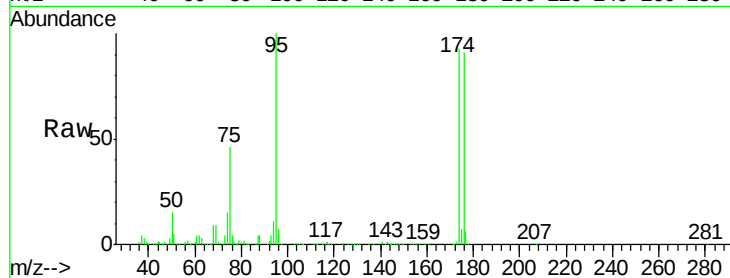
M-7

Tot Ion: 75 Resp: 232630

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

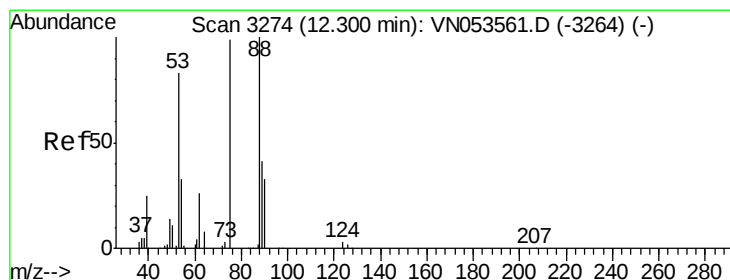
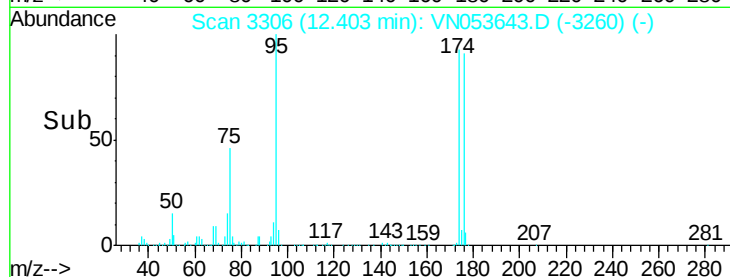
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 109.213 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053643.D

Acq: 6 Feb 2019 18:57

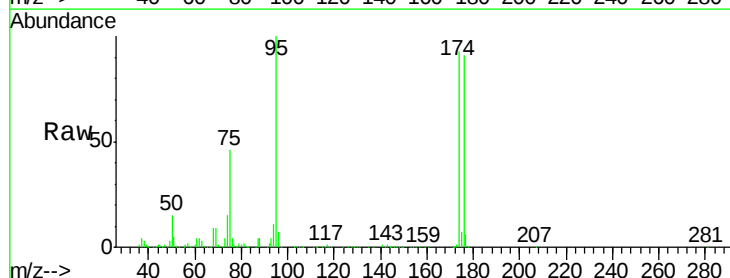
Tgt Ion: 75 Resp: 232630

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

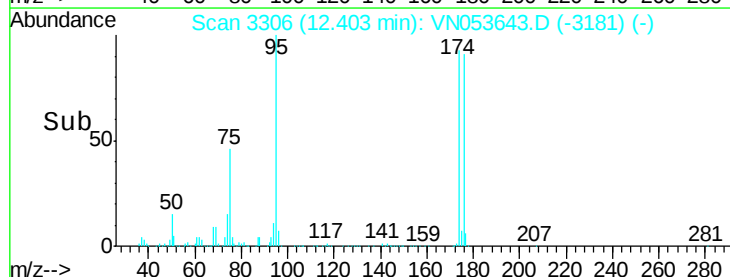
150000

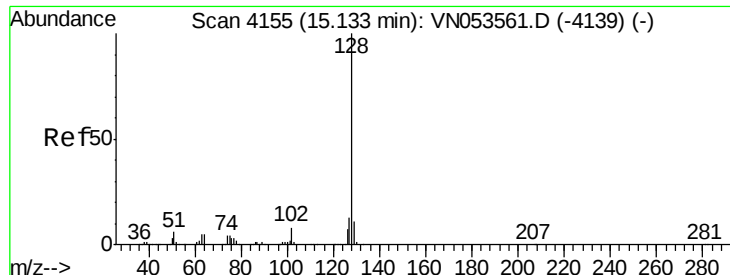
100000

50000

0

Time-->





#95

Naphthalene

Concen: 1.776 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053643.D

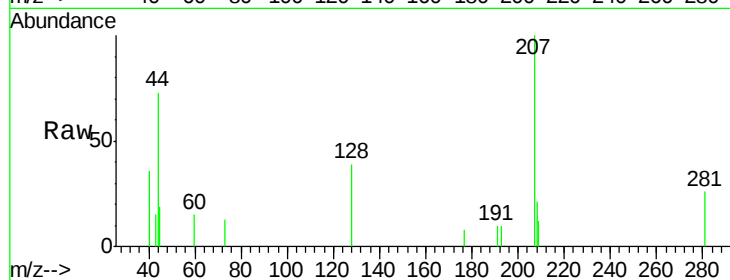
Acq: 6 Feb 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

M-7



Tot Ion:128 Resp: 838

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

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

