

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052631.D
 Acq On : 3 Dec 2018 15:09
 Operator : MD\SY
 Sample : J6169-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-26

Quant Time: Dec 04 00:46:03 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	160989	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	916660	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	760495	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	322487	29.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.00%
60) 4-Bromofluorobenzene	12.40	95	308570	26.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.47%
63) Toluene-d8	10.09	98	1056337	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

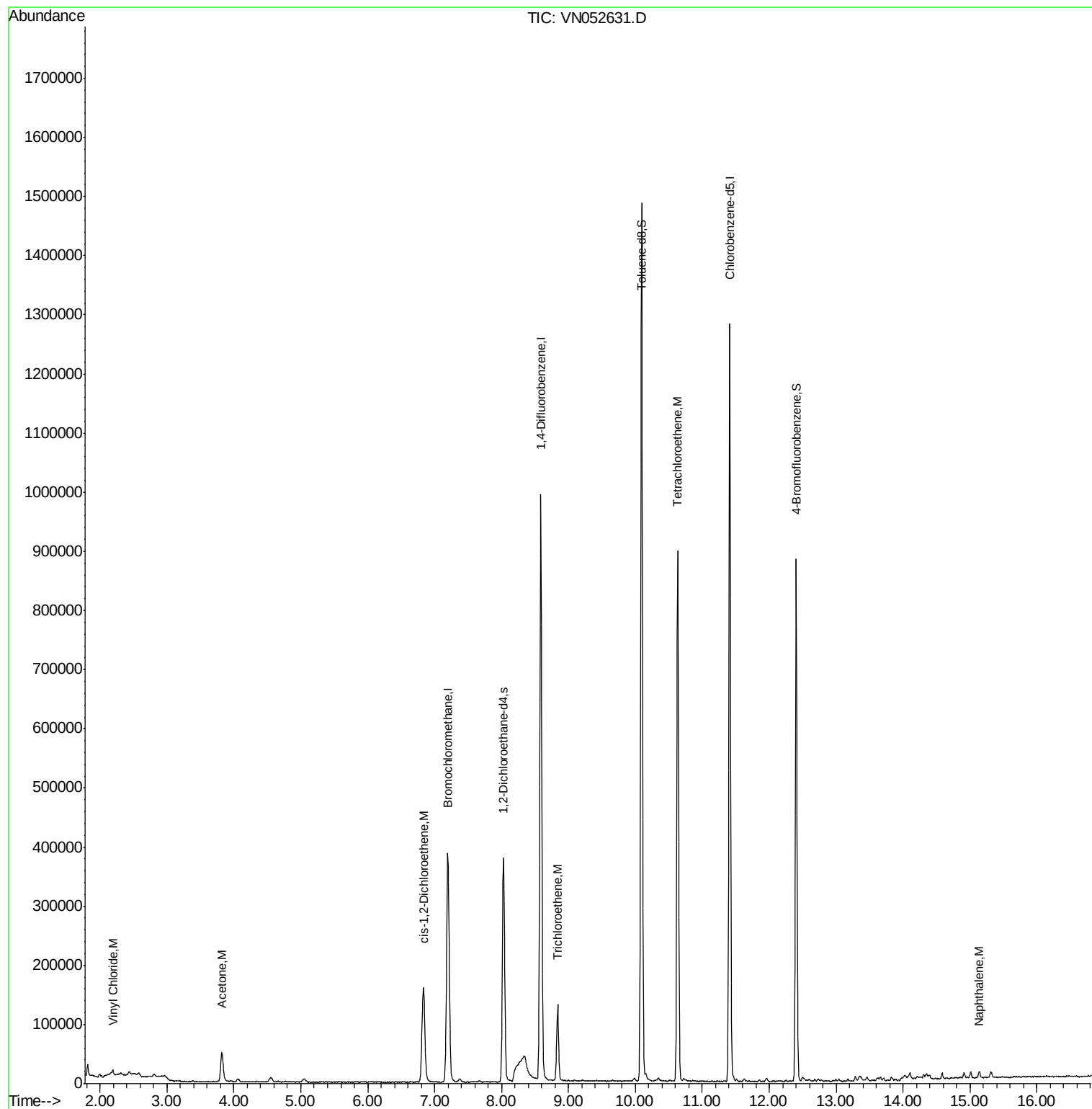
					Ovalue
4) Vinyl Chloride	2.19	62	4785	0.390 ug/l	91
15) Acetone	3.82	58	27586	32.591 ug/l	94
22) cis-1,2-Dichloroethene	6.83	96	105207	9.449 ug/l	88
37) Trichloroethene	8.84	130	48906	4.583 ug/l	98
61) Tetrachloroethene	10.63	164	225620	24.088 ug/l	98
91) Naphthalene	15.14	128	10110	0.577 ug/l	98

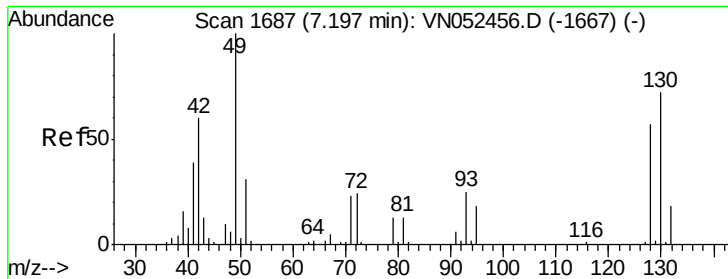
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 27 00:48:33 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Instrument :
MSVOA_N
ClientSampled :
2-AVE-26

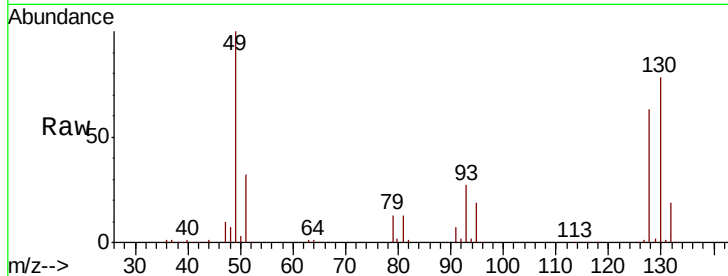
Tot Ion:128 Resp: 160989

Ion Ratio Lower Upper

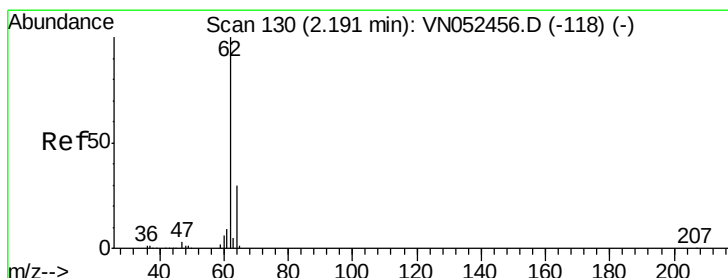
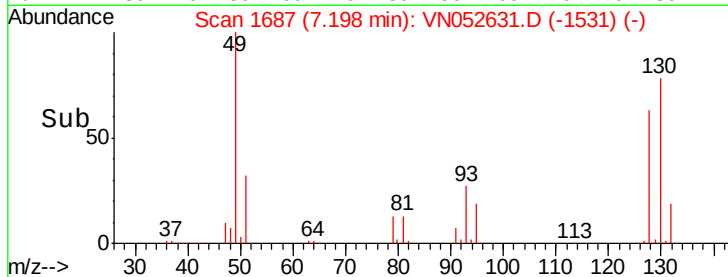
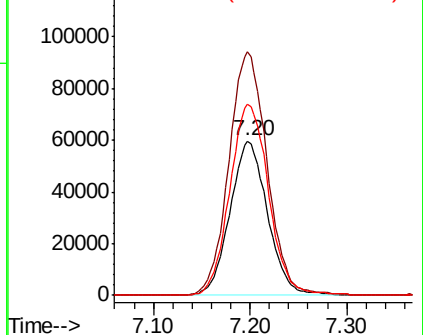
128 100

49 160.4 0.0 431.8

130 128.0 0.0 317.0



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



#4

Vinyl Chloride

Concen: 0.390 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052631.D

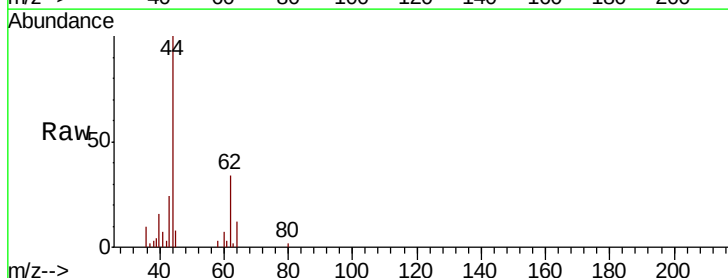
Acq: 3 Dec 2018 15:09

Tgt Ion: 62 Resp: 4785

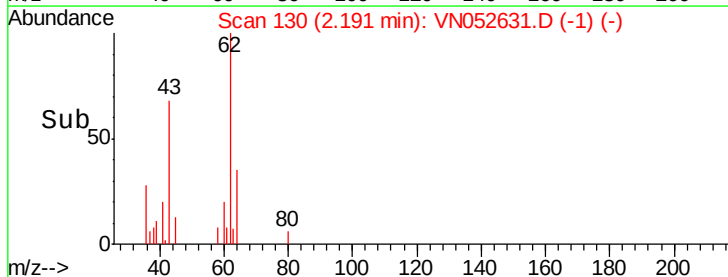
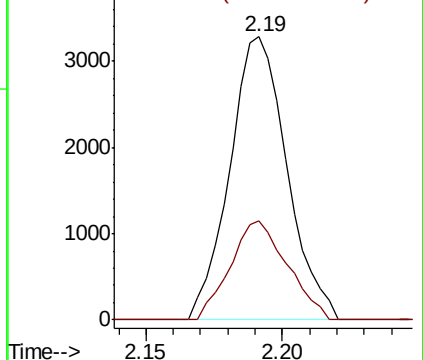
Ion Ratio Lower Upper

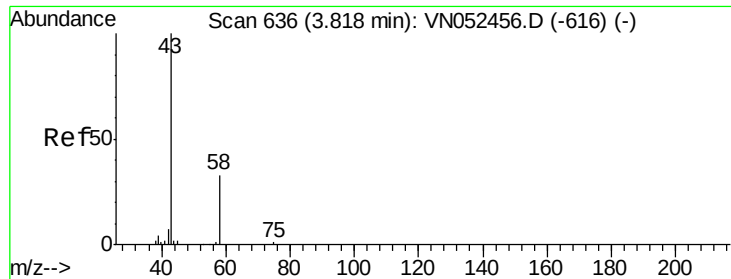
62 100

64 35.0 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#15

Acetone

Concen: 32.591 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

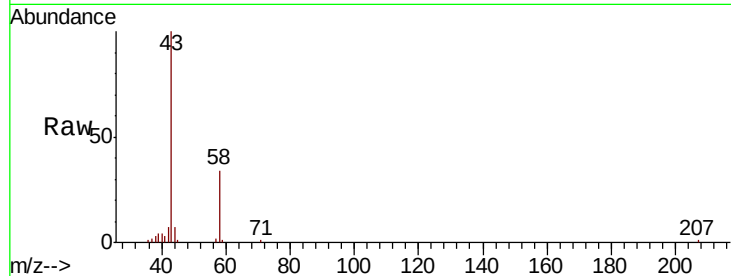
2-AVE-26

Tot Ion: 58 Resp: 27586

Ion Ratio Lower Upper

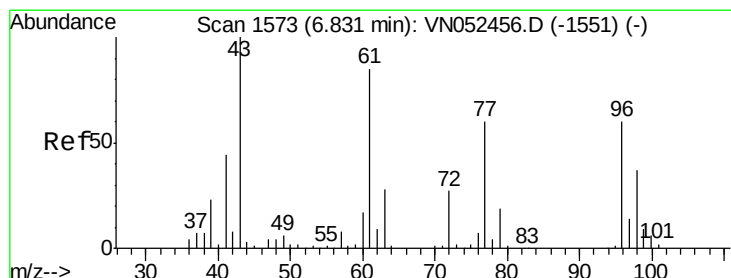
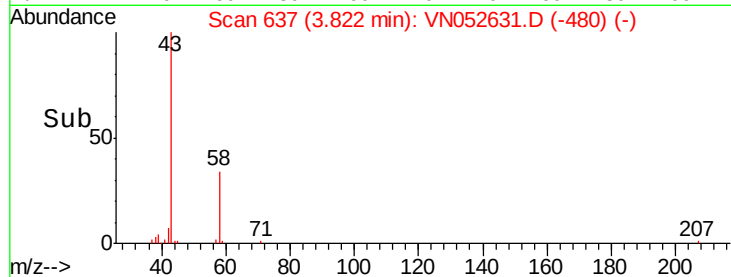
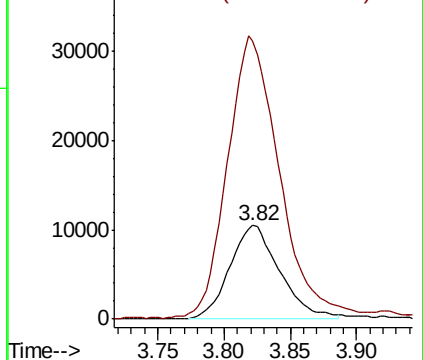
58 100

43 291.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 9.449 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

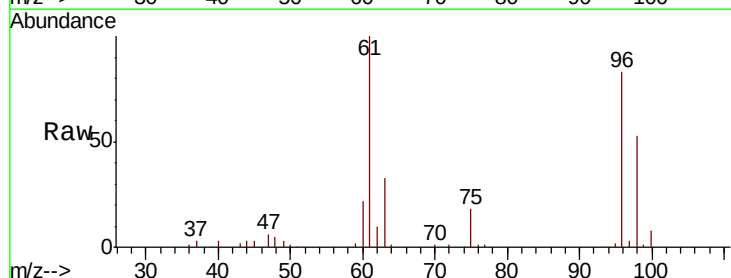
Tgt Ion: 96 Resp: 105207

Ion Ratio Lower Upper

96 100

61 125.2 116.7 175.1

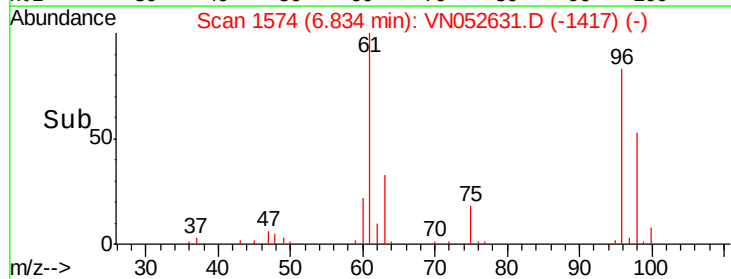
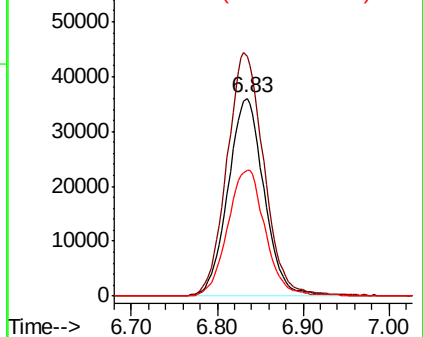
98 65.8 50.8 76.2

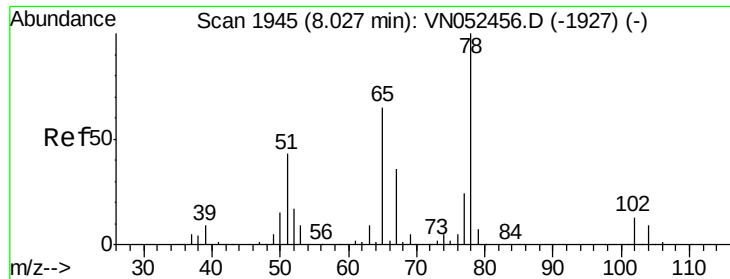


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

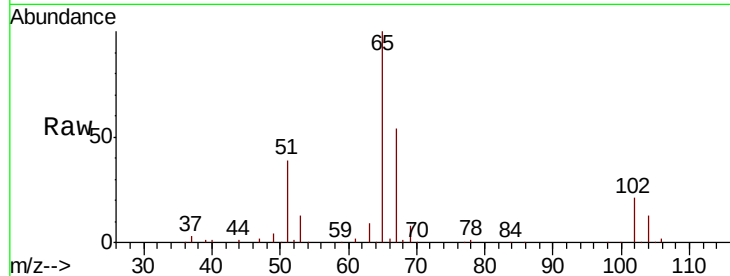
2-AVE-26

Tot Ion: 65 Resp: 322487

Ion Ratio Lower Upper

65 100

67 55.0 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

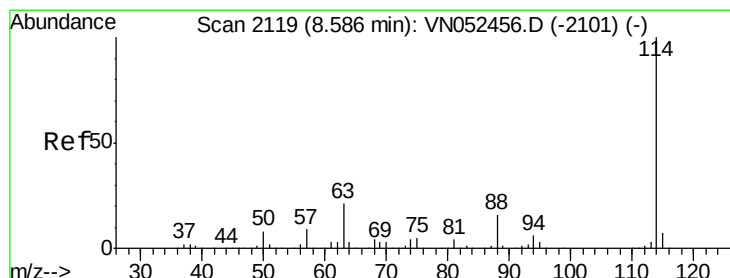
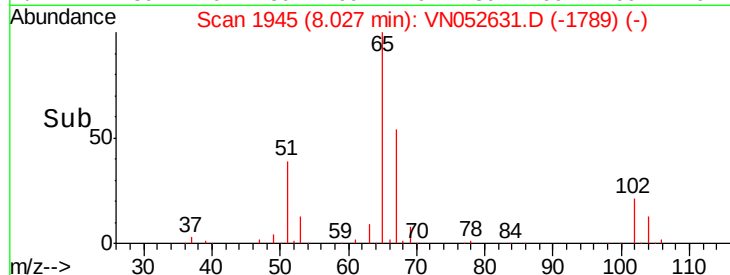
150000

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

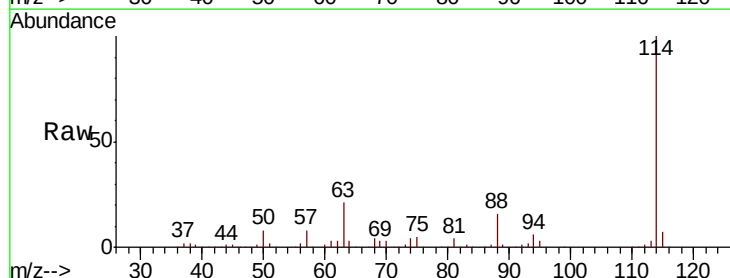
Tgt Ion: 114 Resp: 916660

Ion Ratio Lower Upper

114 100

63 20.3 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052456.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052456.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN052456.D (-2101) (-)

8.59

600000

500000

400000

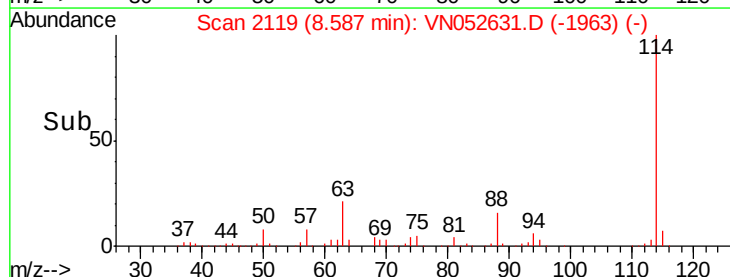
300000

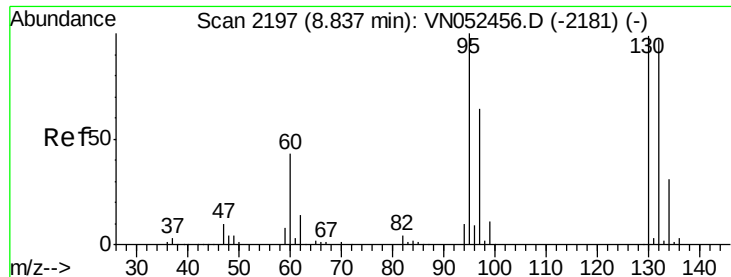
200000

100000

0

Time-->

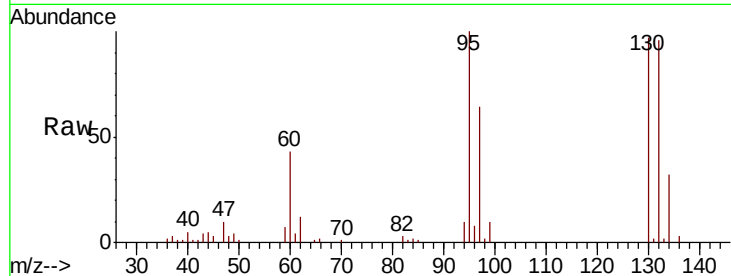




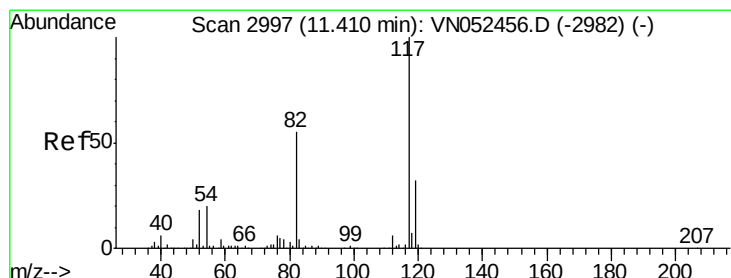
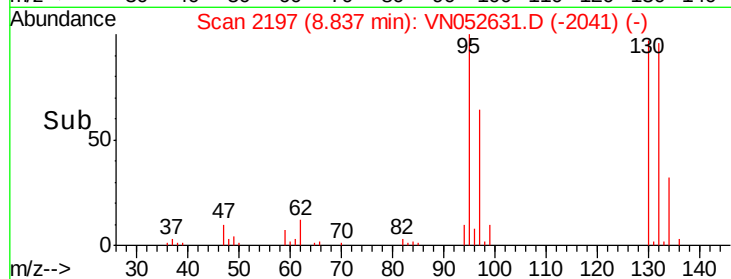
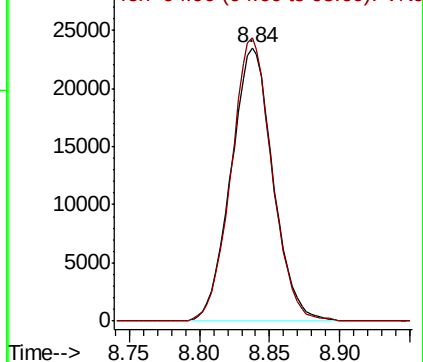
#37
 Trichloroethene
 Concen: 4.583 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052631.D
 Acq: 3 Dec 2018 15:09

Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-26

Tot Ion:130 Resp: 48906
 Ion Ratio Lower Upper
 130 100
 95 103.4 81.0 121.4

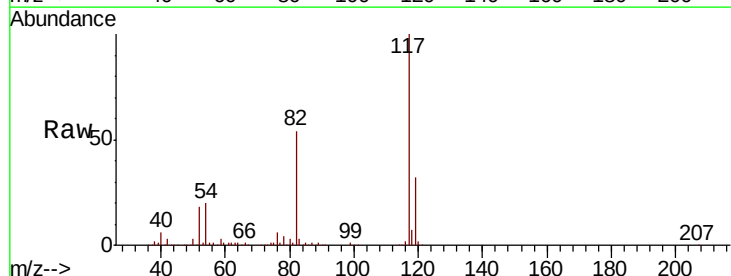


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

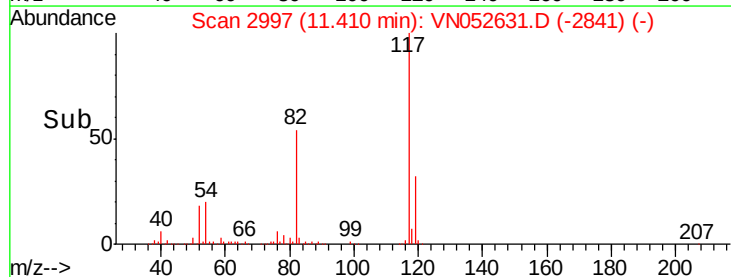
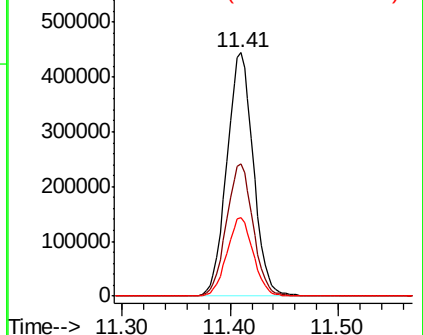


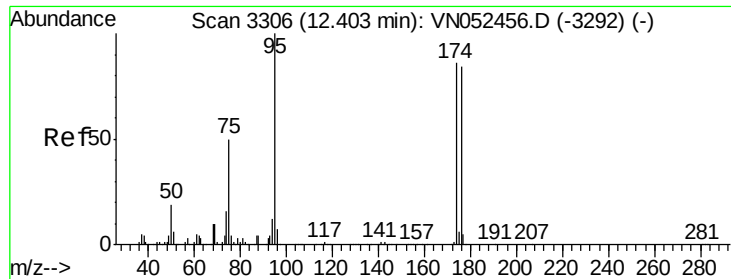
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN052631.D
 Acq: 3 Dec 2018 15:09

Tgt Ion:117 Resp: 760495
 Ion Ratio Lower Upper
 117 100
 82 54.6 44.2 66.2
 119 32.3 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 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: VN052631.D

Acq: 3 Dec 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-26

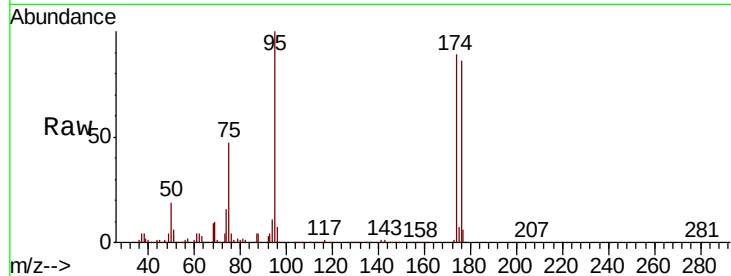
Tot Ion: 95 Resp: 308570

Ion Ratio Lower Upper

95 100

174 88.0 67.9 101.9

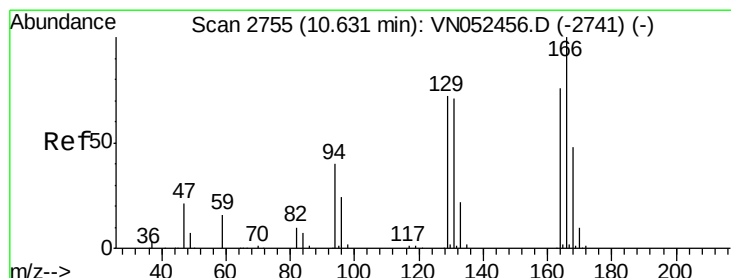
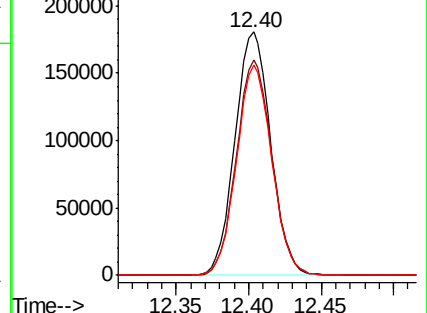
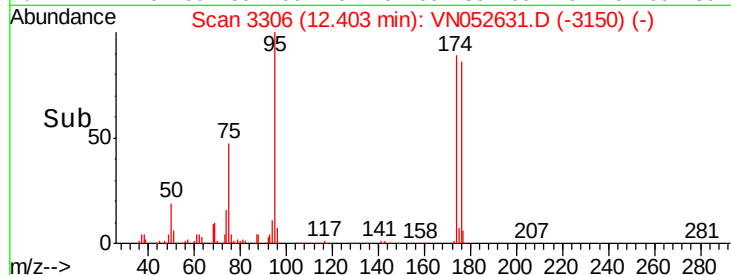
176 85.4 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052631.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN052631.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN052631.D (-3150) (-)



#61

Tetrachloroethene

Concen: 24.088 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Tgt Ion: 164 Resp: 225620

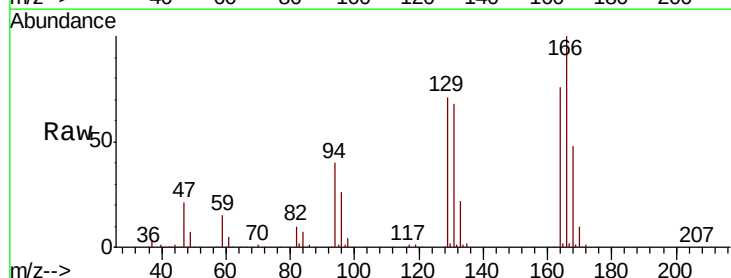
Ion Ratio Lower Upper

164 100

166 130.9 104.6 157.0

129 92.7 75.3 112.9

131 88.6 74.3 111.5

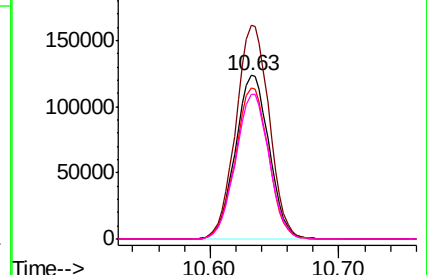
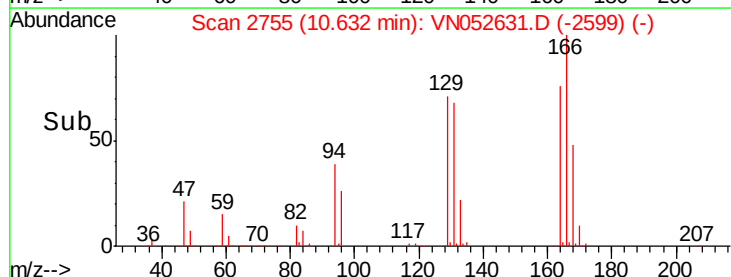


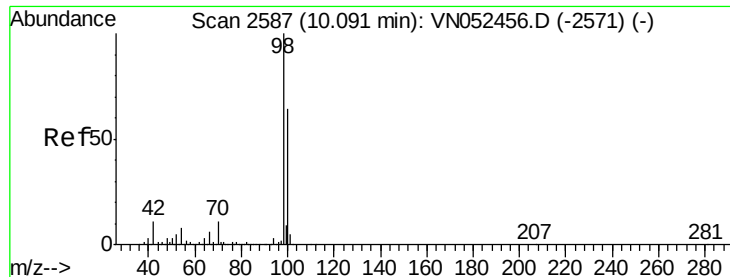
Abundance Ion 163.85 (163.55 to 164.55): VN052631.D (-2599) (-)

Ion 165.80 (165.50 to 166.50): VN052631.D (-2599) (-)

Ion 128.90 (128.60 to 129.60): VN052631.D (-2599) (-)

Ion 130.90 (130.60 to 131.60): VN052631.D (-2599) (-)





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

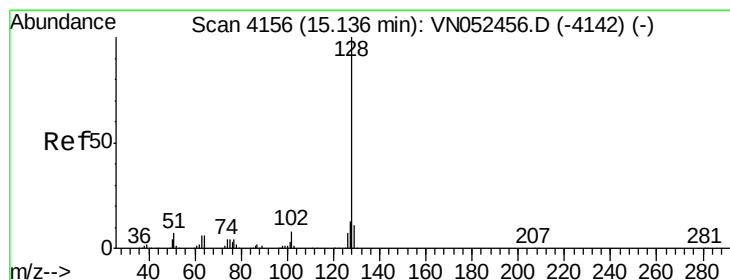
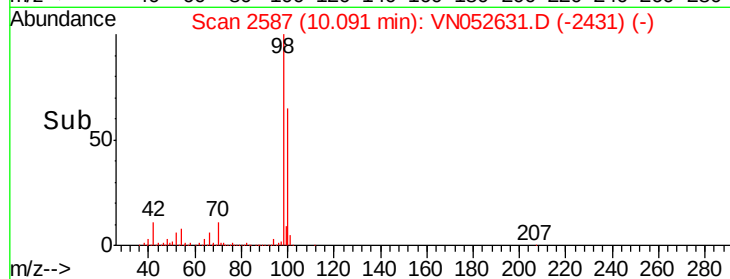
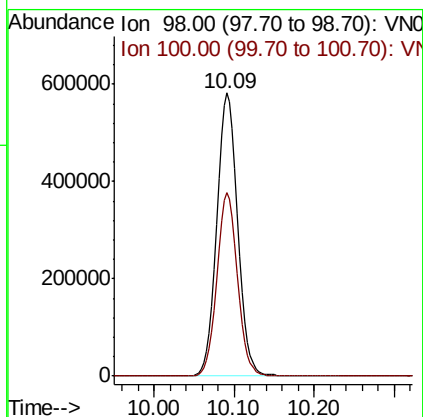
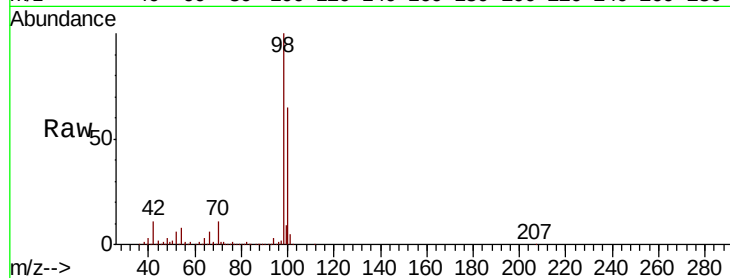
2-AVE-26

Tot Ion: 98 Resp: 1056337

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#91

Naphthalene

Concen: 0.577 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN052631.D

Acq: 3 Dec 2018 15:09

Tgt Ion:128 Resp: 10110

Ion Ratio Lower Upper

128 100

127 11.4 9.9 14.9

129 10.3 8.5 12.7

