

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052666.D
 Acq On : 5 Dec 2018 10:32
 Operator : MD\SY
 Sample : VN1205WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

Quant Time: Dec 06 04:25:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1235442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1891115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1591971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	516988	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	636258	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	7.59	113	581986	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.09	98	2291213	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	657897	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

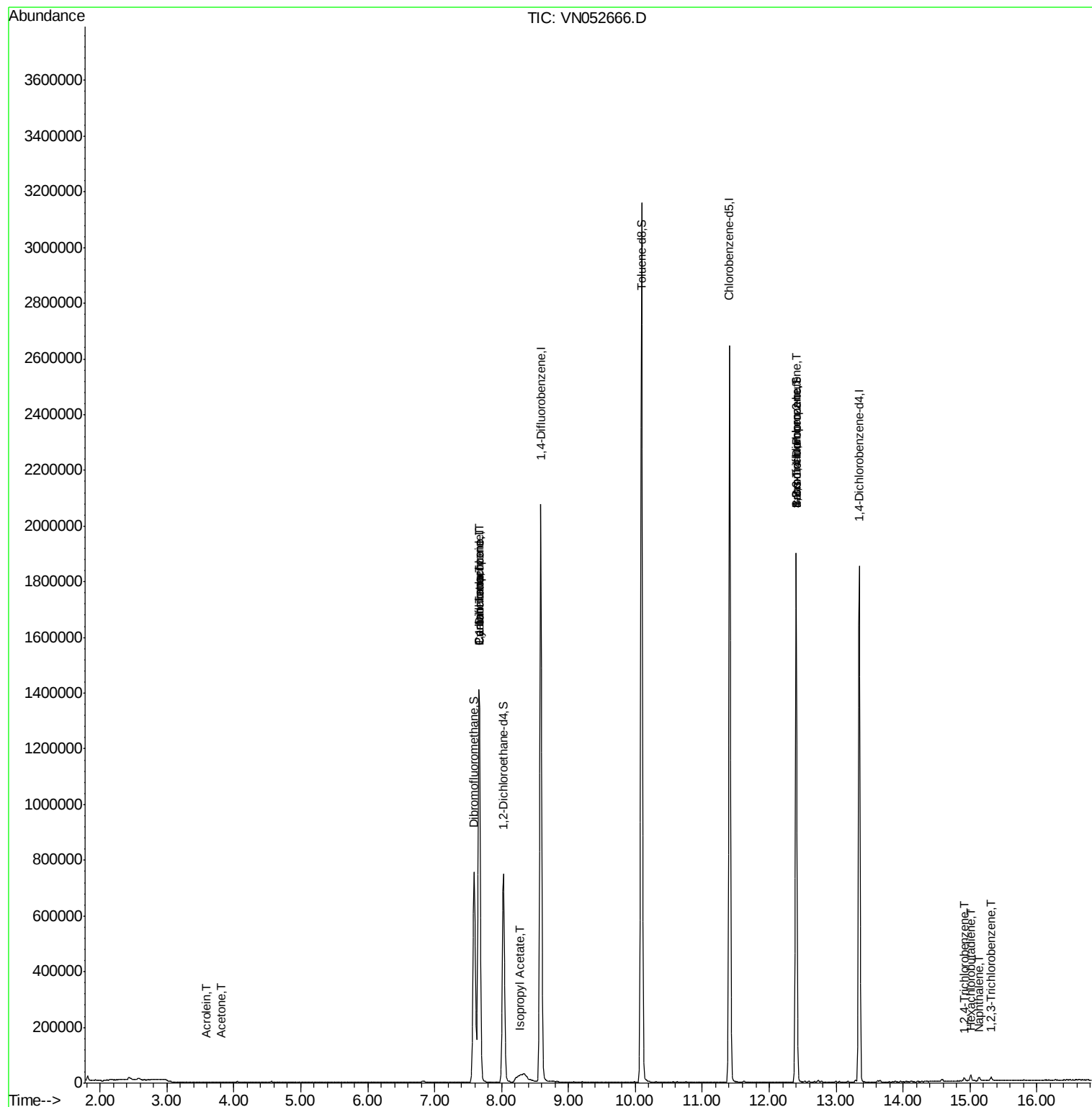
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	235	0.201	ug/l #	57
16) Acetone	3.81	43	805	0.227	ug/l #	42
31) Cyclohexane	7.66	56	21538	0.569	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83899	4.698	ug/l #	50
38) Carbon Tetrachloride	7.66	117	109268	6.759	ug/l #	16
43) Isopropyl Acetate	8.26	43	34176	1.853	ug/l #	51
71) Bromoform	12.40	173	4269	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	316708	39.726	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	316708	132.667	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	4068	3.248	ug/l	97
94) Hexachlorobutadiene	15.01	225	4111	0.763	ug/l	95
95) Naphthalene	15.13	128	11761	3.991	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	5341	3.325	ug/l	97

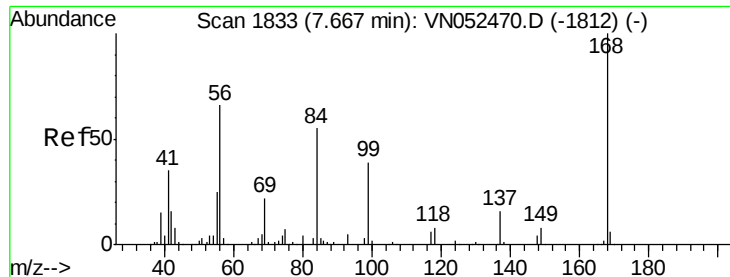
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120518\
Data File : VN052666.D
Acq On : 5 Dec 2018 10:32
Operator : MD\SY
Sample : VN1205WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

Quant Time: Dec 06 04:25:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampleId :

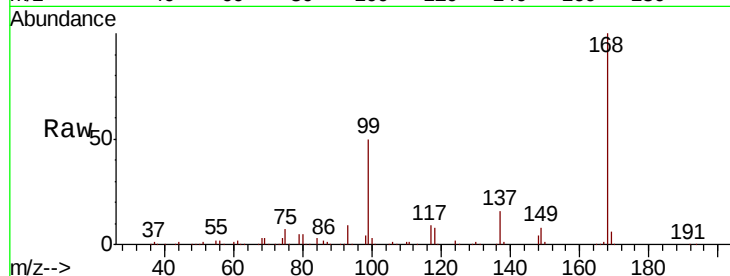
VN1205WBL01

Tot Ion:168 Resp: 1235442

Ion Ratio Lower Upper

168 100

99 50.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

600000

500000

400000

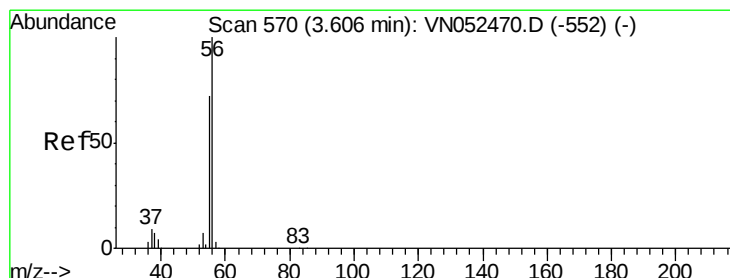
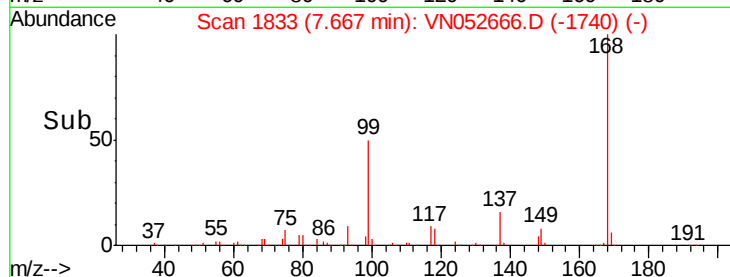
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.201 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN052666.D

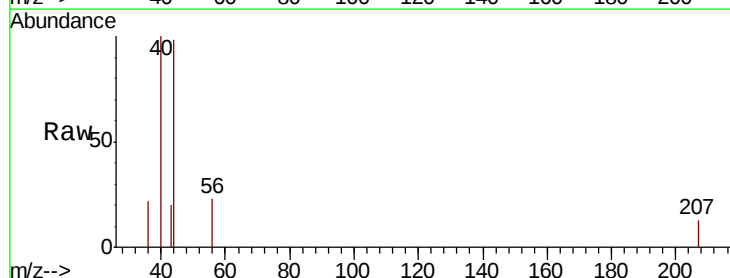
Acq: 5 Dec 2018 10:32

Tgt Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 106.4 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052470.D (-552) (-)

3.59

400

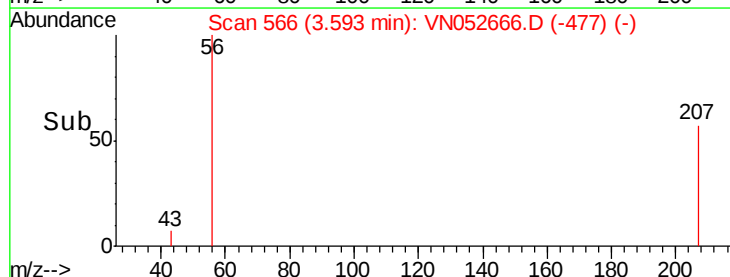
300

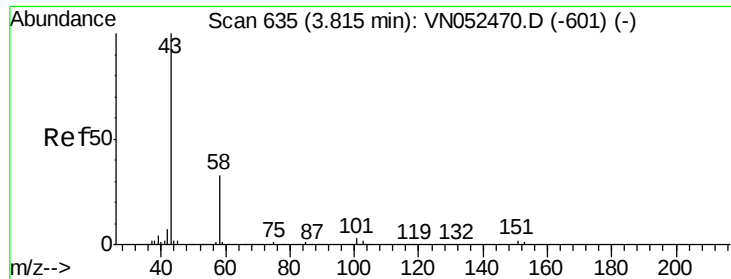
200

100

0

Time-->





#16

Acetone

Concen: 0.227 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampleId :

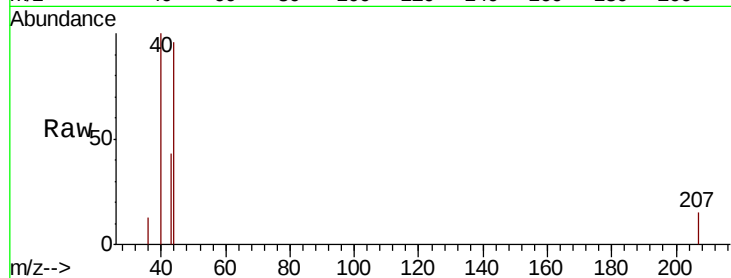
VN1205WBL01

Tot Ion: 43 Resp: 805

Ion Ratio Lower Upper

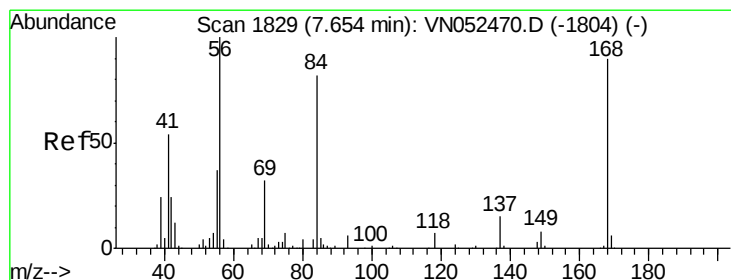
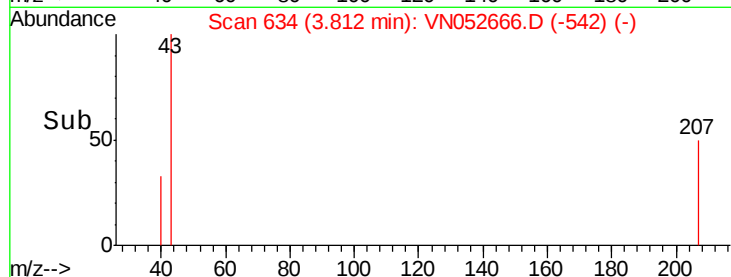
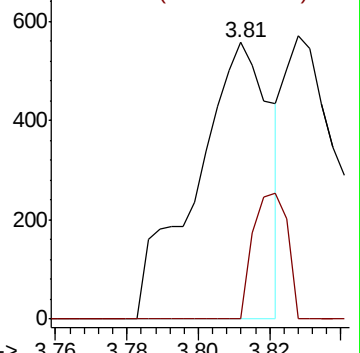
43 100

58 0.0 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.569 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

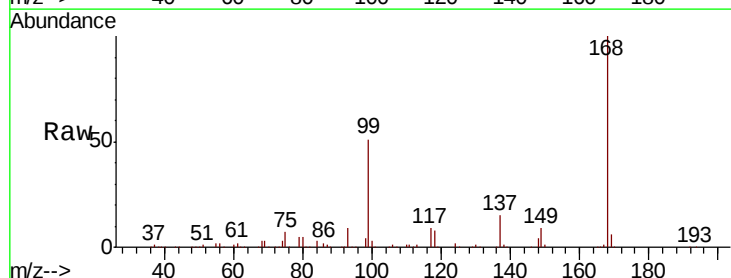
Tgt Ion: 56 Resp: 21538

Ion Ratio Lower Upper

56 100

69 177.5 25.8 38.6#

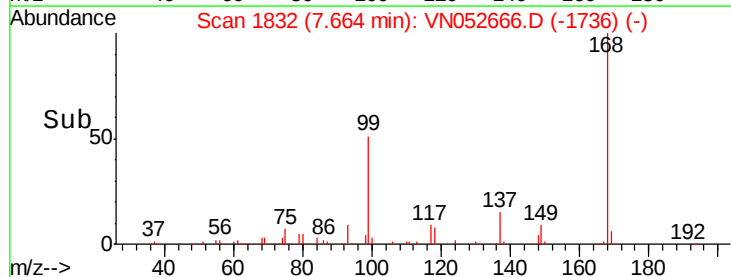
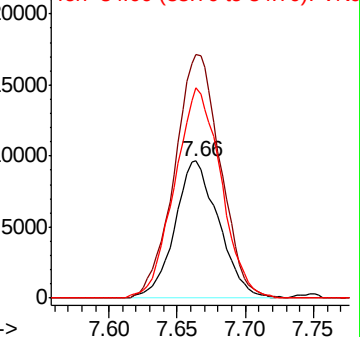
84 153.3 65.3 97.9#

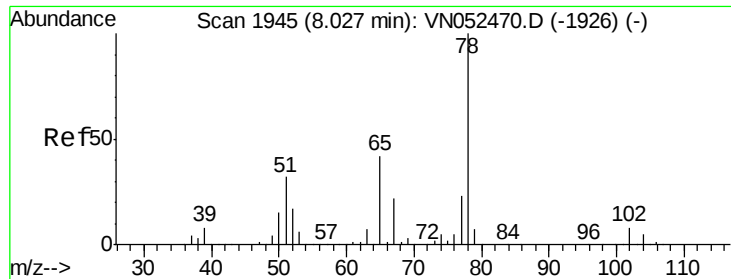


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

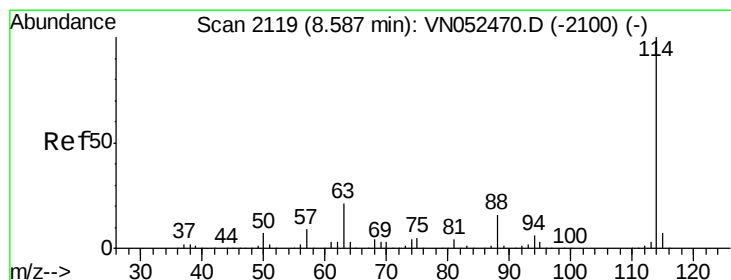
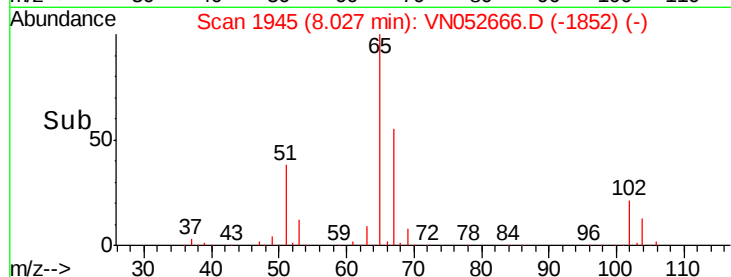
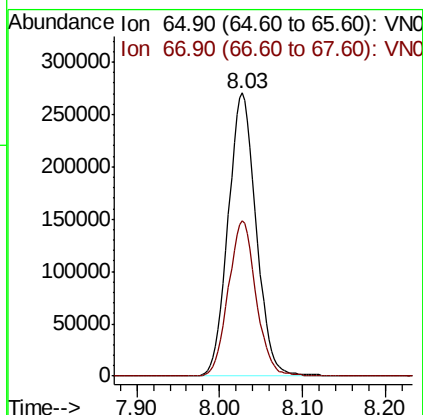
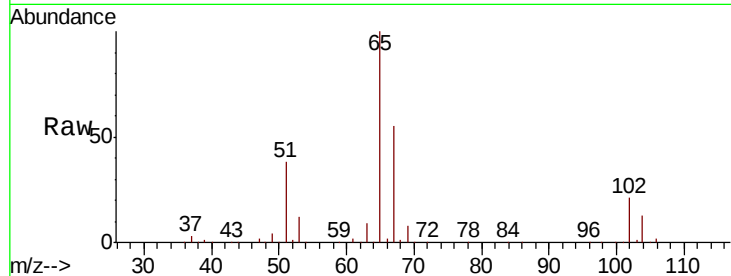




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052666.D
 Acq: 5 Dec 2018 10:32

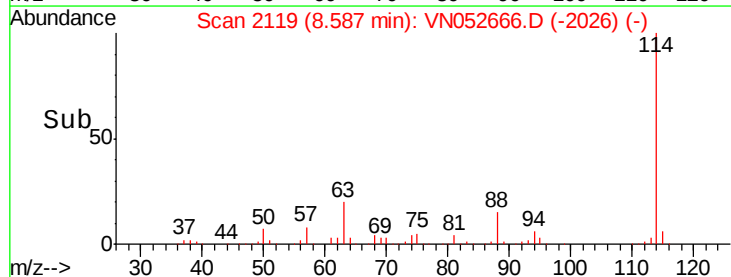
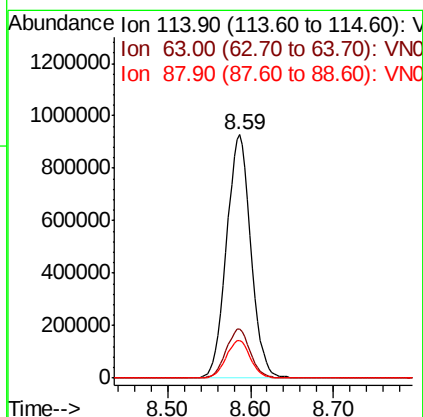
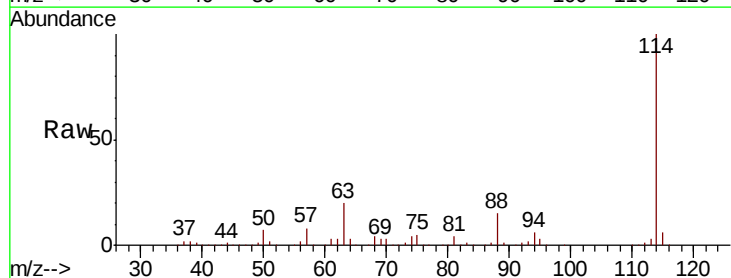
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

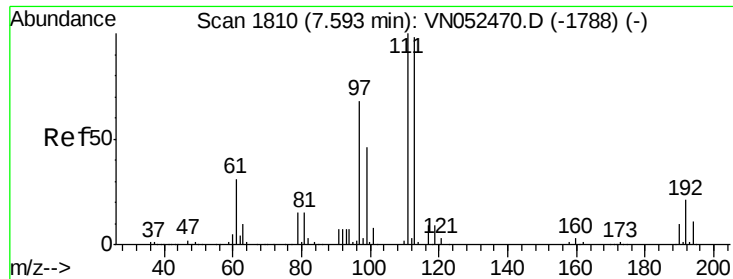
Tot Ion: 65 Resp: 636258
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052666.D
 Acq: 5 Dec 2018 10:32

Tgt Ion: 114 Resp: 1891115
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.4 0.0 31.6

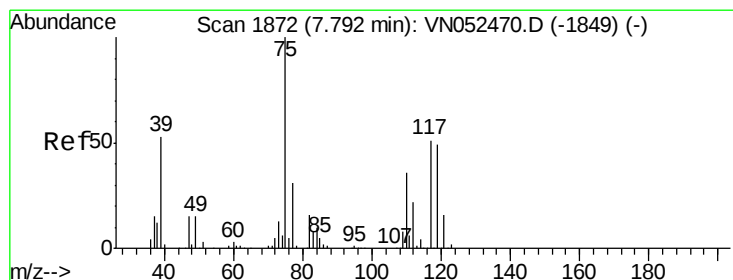
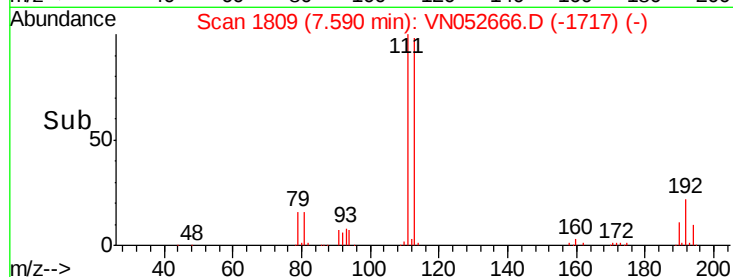
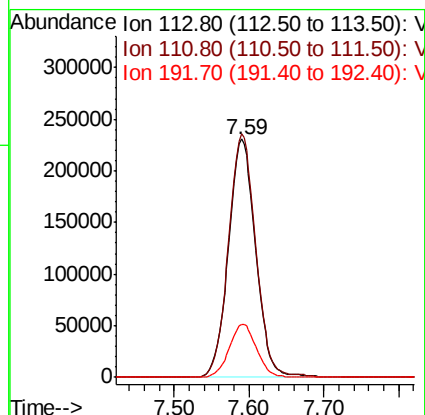
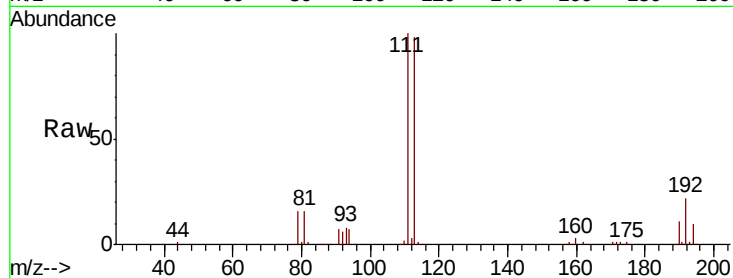




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052666.D
 Acq: 5 Dec 2018 10:32

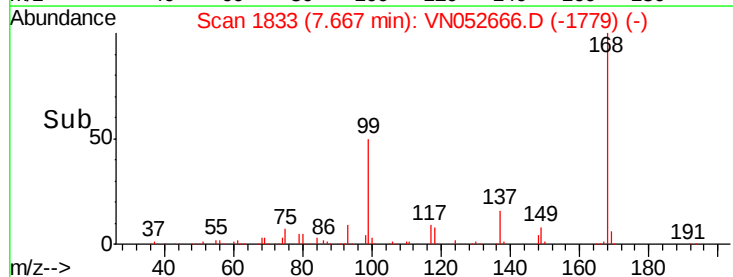
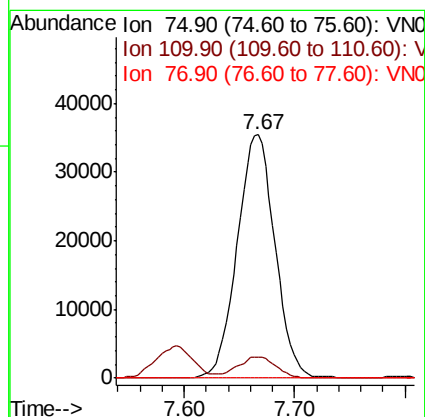
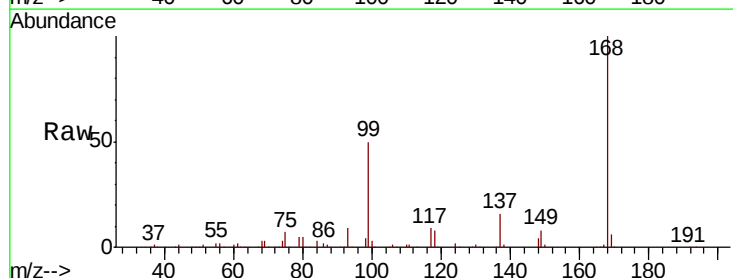
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

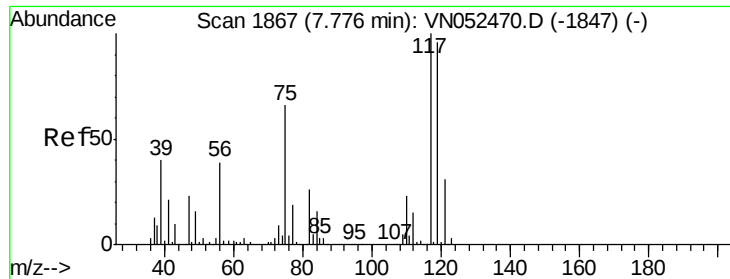
Tot Ion:113 Resp: 581986
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 22.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052666.D
 Acq: 5 Dec 2018 10:32

Tgt Ion: 75 Resp: 83899
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.5 52.6#
 77 0.0 24.5 36.7#

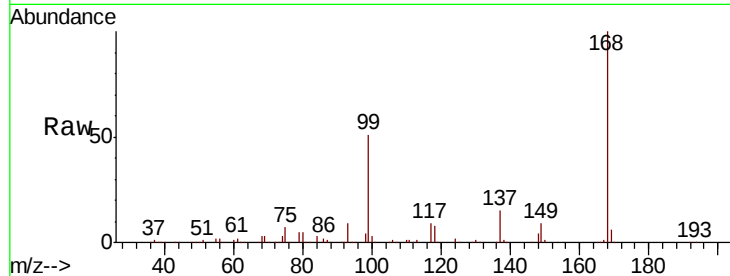




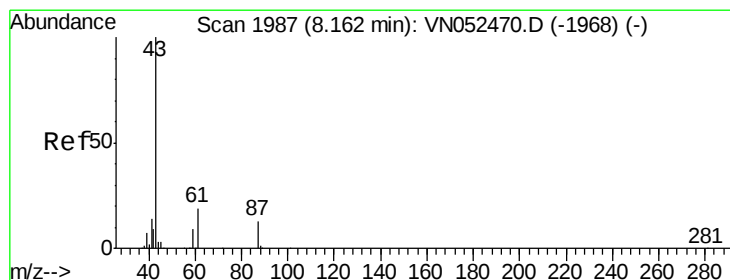
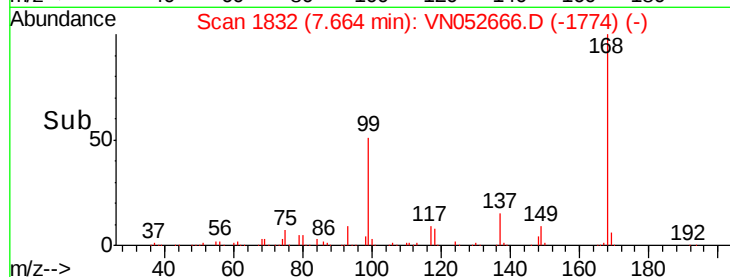
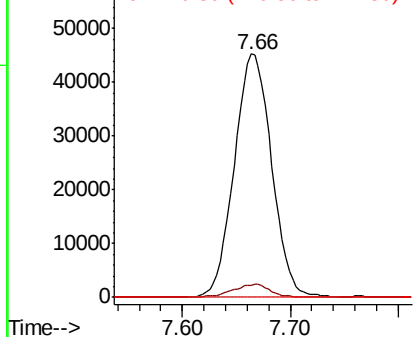
#38
Carbon Tetrachloride
Concen: 6.759 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052666.D
Acq: 5 Dec 2018 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

Tot Ion:117 Resp: 109268
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.9 37.3#

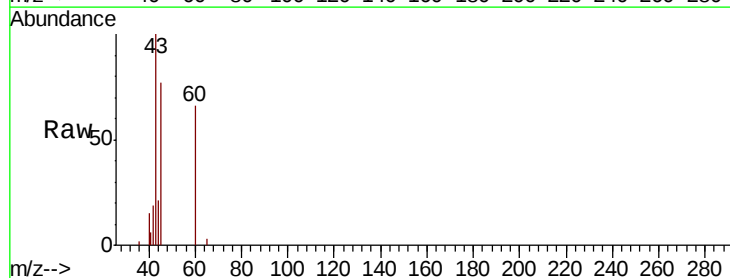


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

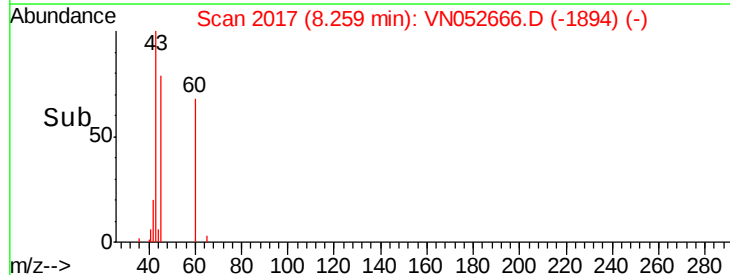
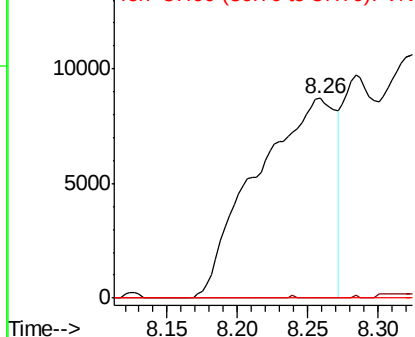


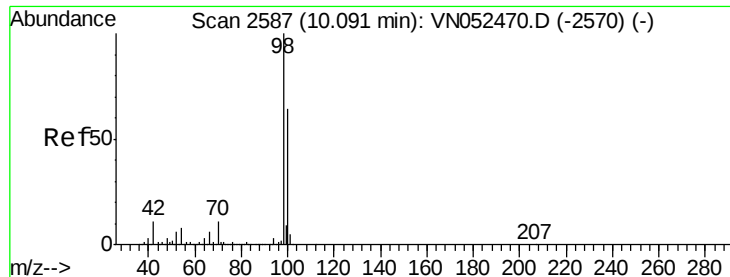
#43
Isopropyl Acetate
Concen: 1.853 ug/l
RT: 8.26 min Scan# 2017
Delta R.T. 0.10 min
Lab File: VN052666.D
Acq: 5 Dec 2018 10:32

Tgt Ion: 43 Resp: 34176
Ion Ratio Lower Upper
43 100
61 0.0 24.1 36.1#
87 0.0 10.6 15.8#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampled :

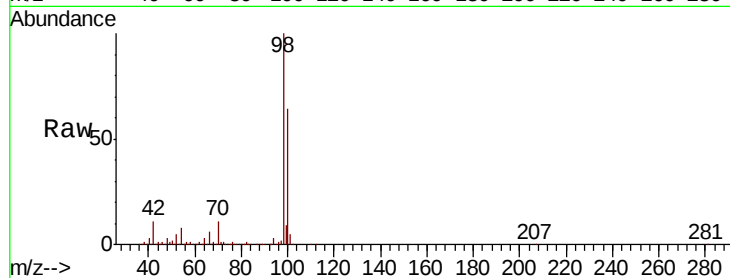
VN1205WBL01

Tot Ion: 98 Resp: 2291213

Ion Ratio Lower Upper

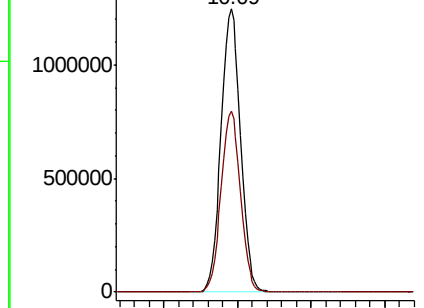
98 100

100 63.8 51.3 76.9

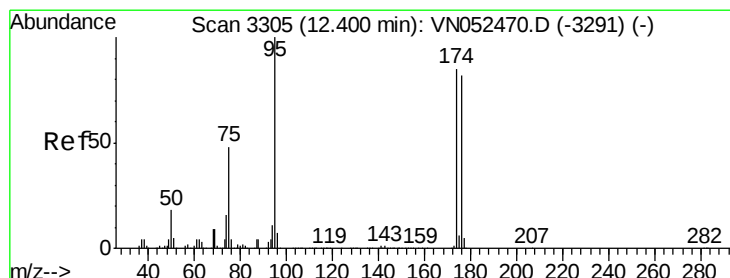
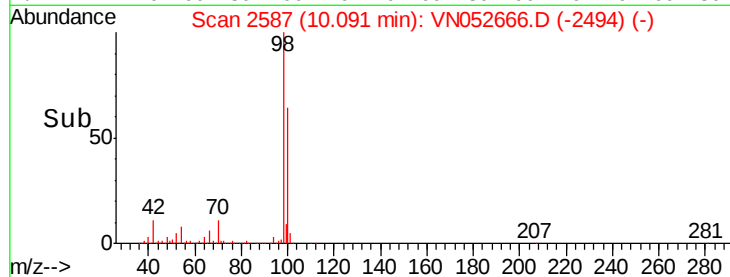


Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

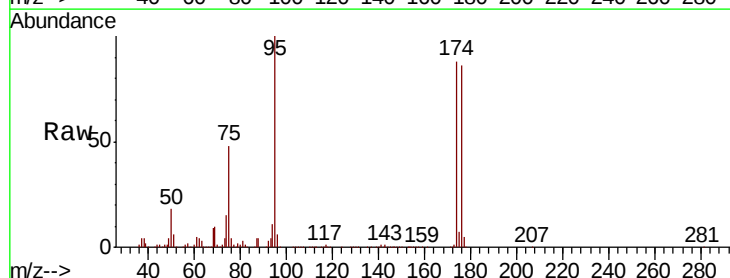
Tgt Ion: 95 Resp: 657897

Ion Ratio Lower Upper

95 100

174 88.9 0.0 173.0

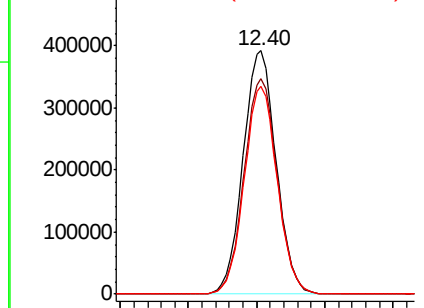
176 85.4 0.0 166.2



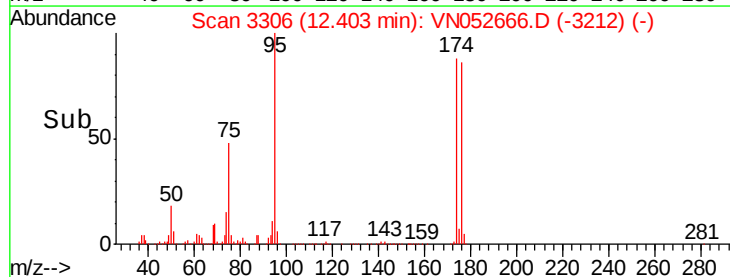
Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

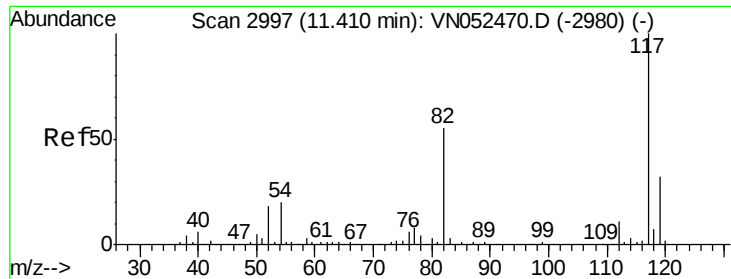
Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



Time-->

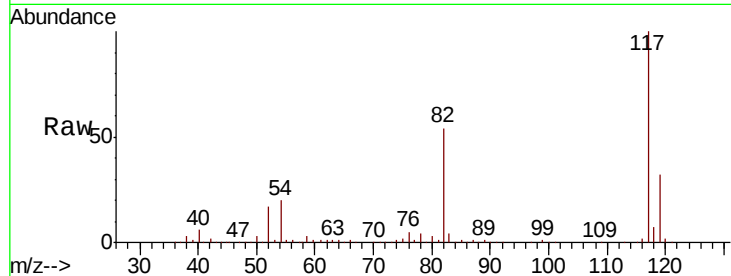




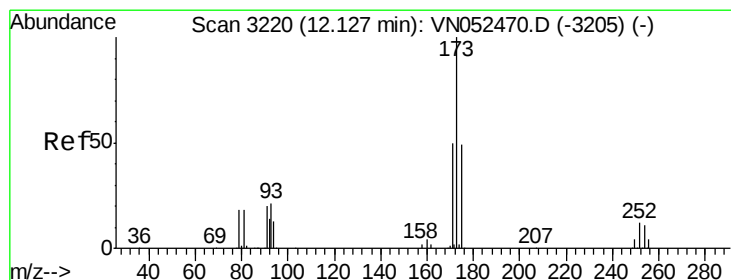
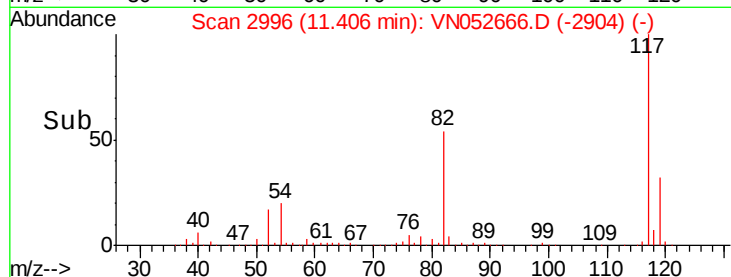
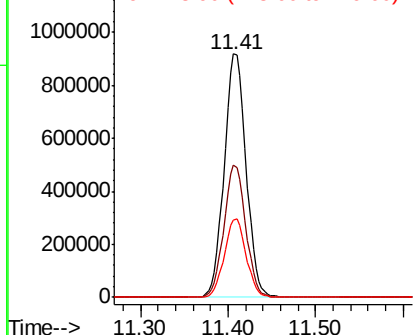
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052666.D
Acq: 5 Dec 2018 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

Tot Ion:117 Resp: 1591971
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.0 25.4 38.2

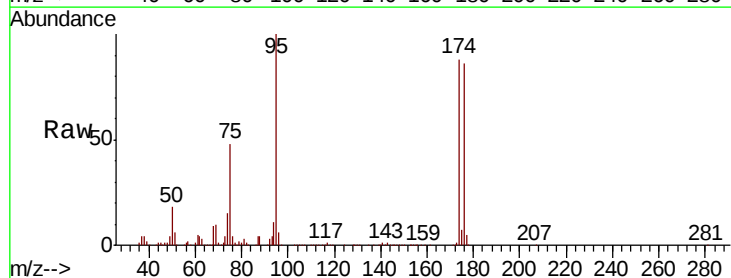


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

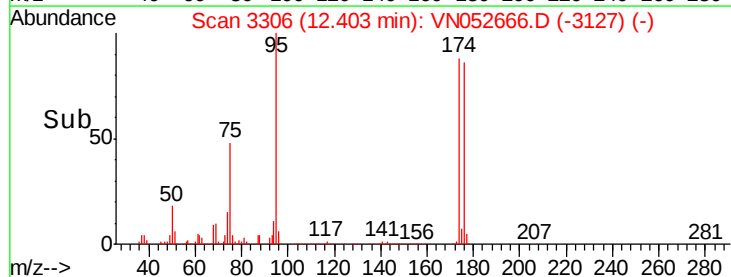
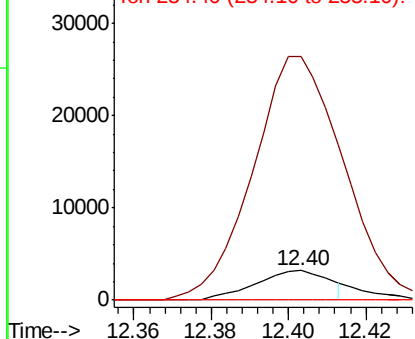


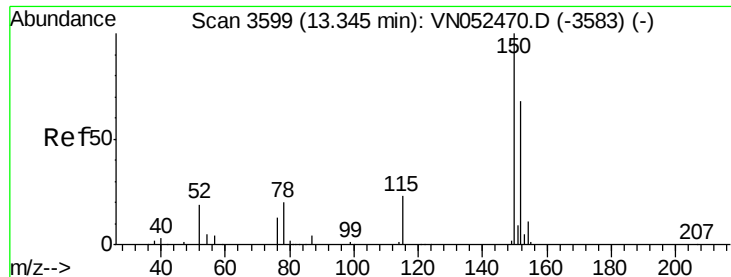
#71
Bromoform
Concen: 0.565 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052666.D
Acq: 5 Dec 2018 10:32

Tgt Ion:173 Resp: 4269
Ion Ratio Lower Upper
173 100
175 861.4 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBL01

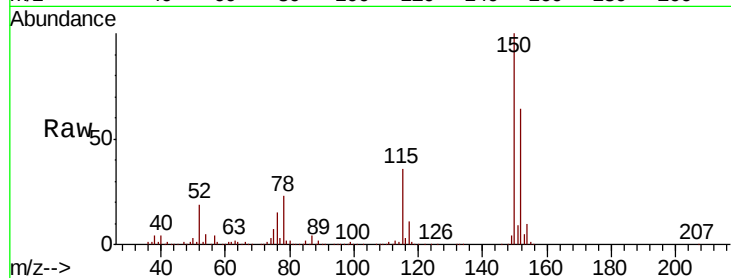
Tot Ion:152 Resp: 516988

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.2

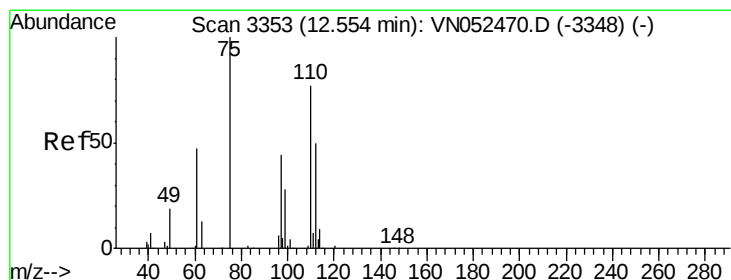
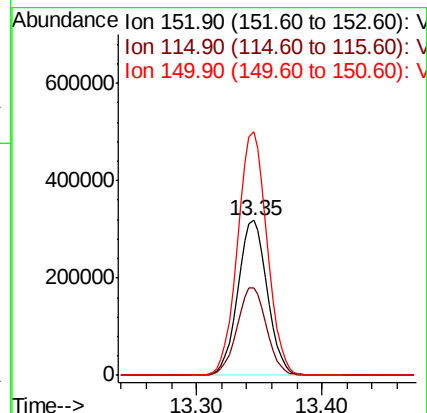
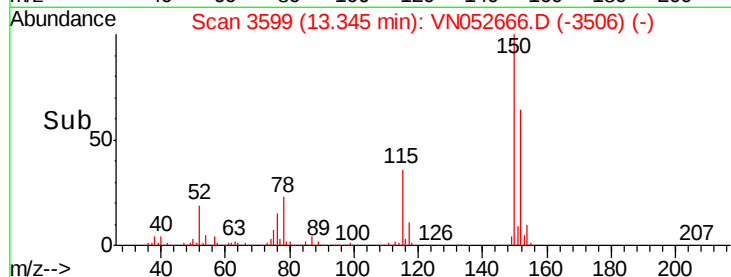
150 157.6 0.0 346.0



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: 39.726 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052666.D

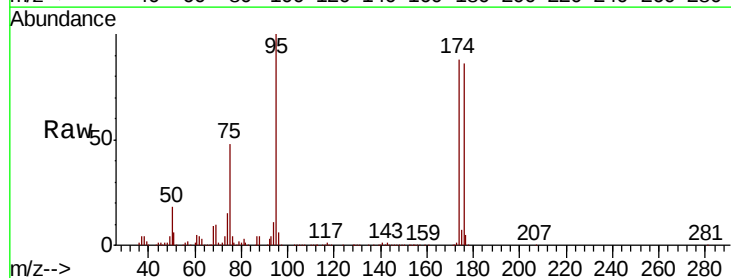
Acq: 5 Dec 2018 10:32

Tgt Ion: 75 Resp: 316708

Ion Ratio Lower Upper

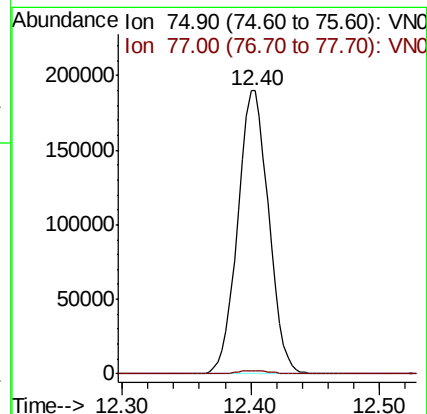
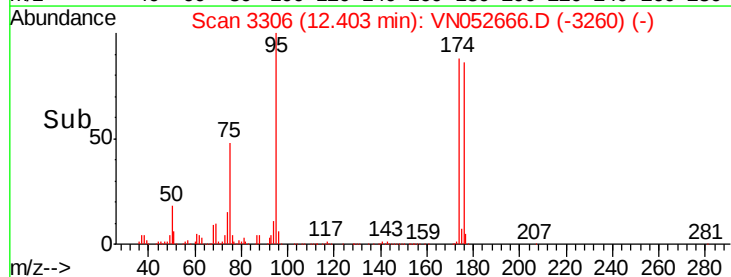
75 100

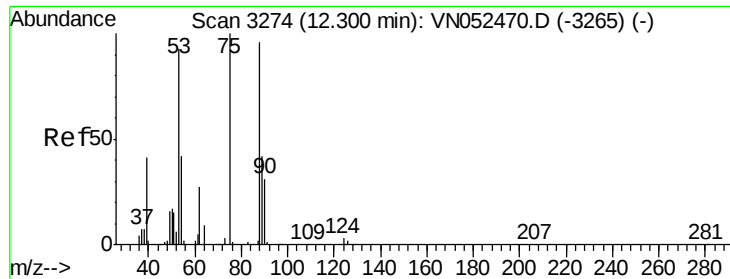
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 132.667 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBL01

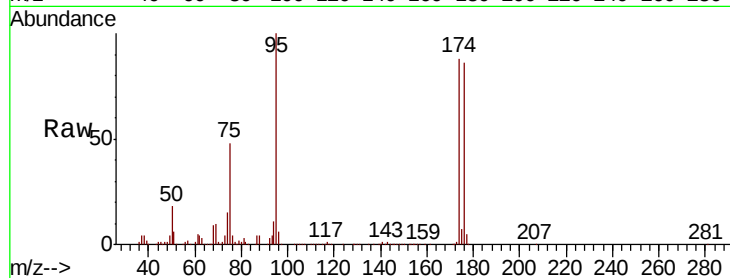
Tot Ion: 75 Resp: 316708

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#

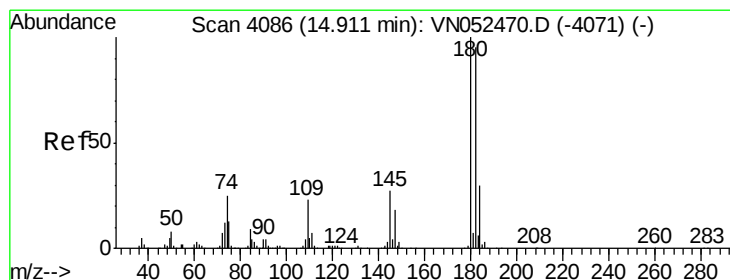
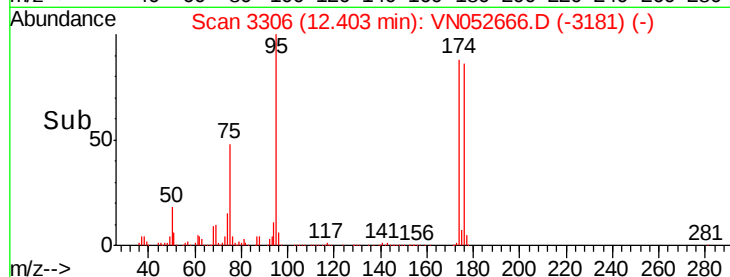
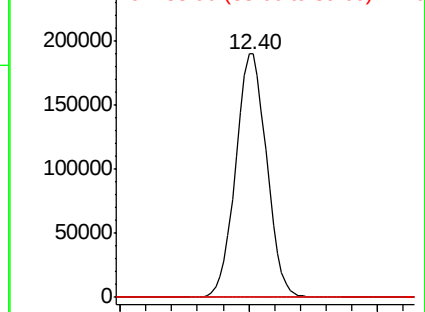


Abundance

Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.248 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

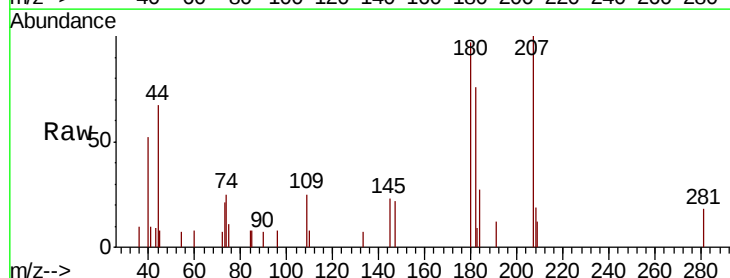
Tgt Ion:180 Resp: 4068

Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.4

145 25.8 14.1 42.3

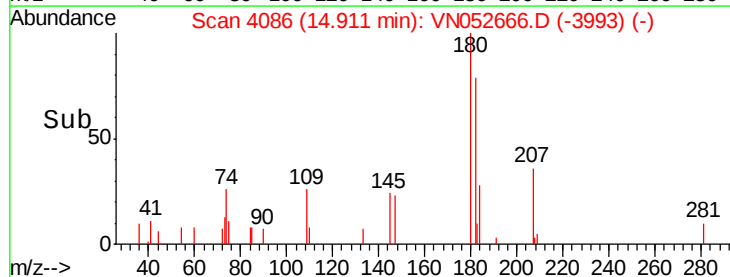
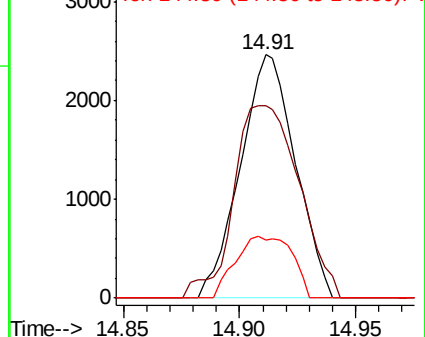


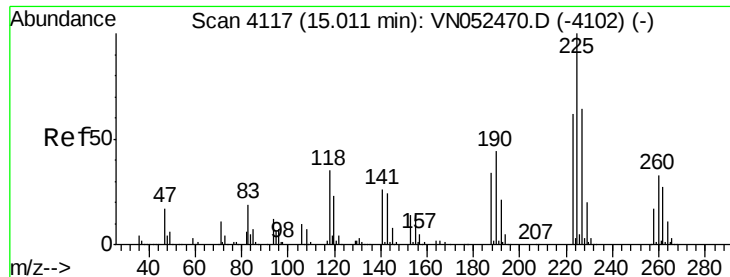
Abundance

Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.763 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBL01

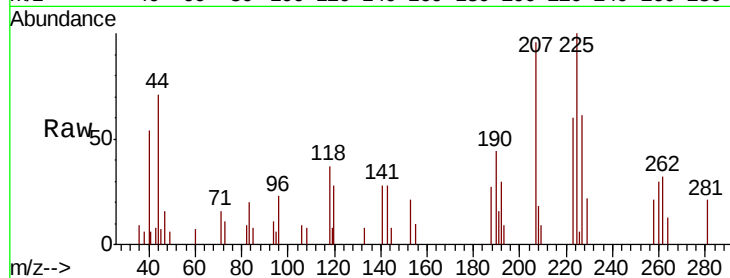
Tot Ion:225 Resp: 4111

Ion Ratio Lower Upper

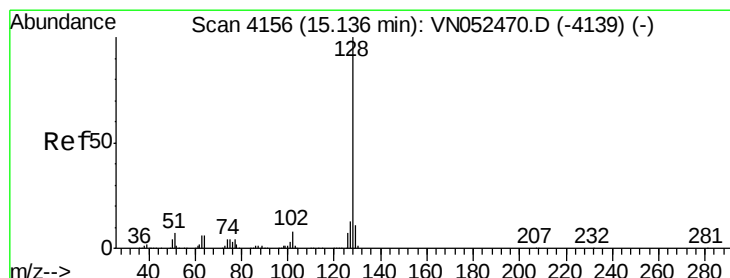
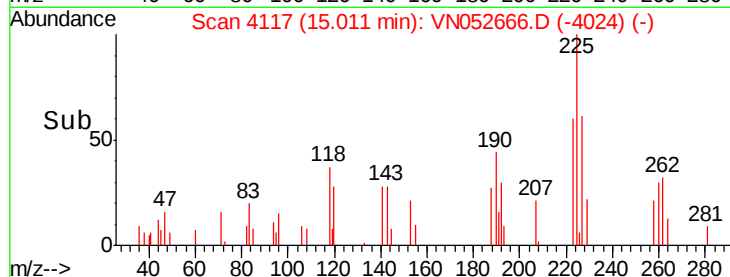
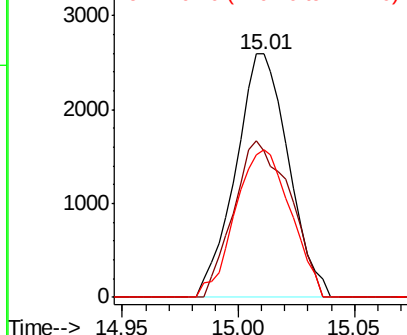
225 100

223 69.0 31.4 94.2

227 63.5 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.991 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052666.D

Acq: 5 Dec 2018 10:32

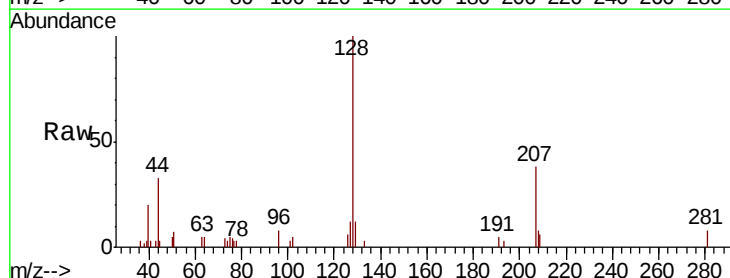
Tgt Ion:128 Resp: 11761

Ion Ratio Lower Upper

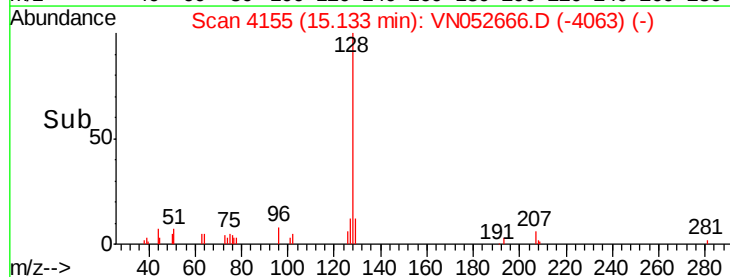
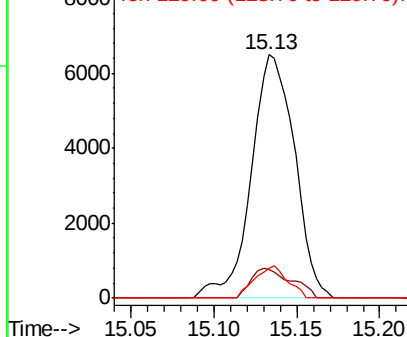
128 100

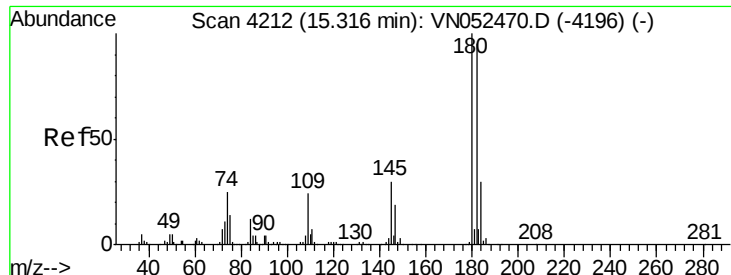
127 11.5 10.2 15.2

129 10.0 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 3.325 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052666.D
 Acq: 5 Dec 2018 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	27.4	15.2	45.5

