

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053200.D
 Acq On : 27 Dec 2018 9:34
 Operator : MD\SY
 Sample : VN1227WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBL01

Quant Time: Dec 28 00:46:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1112688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1714345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	639793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	543064	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	7.59	113	483699	61.77	ug/l	0.00
Spiked Amount			Recovery	=	123.54%	
50) Toluene-d8	10.09	98	2114586	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	705343	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

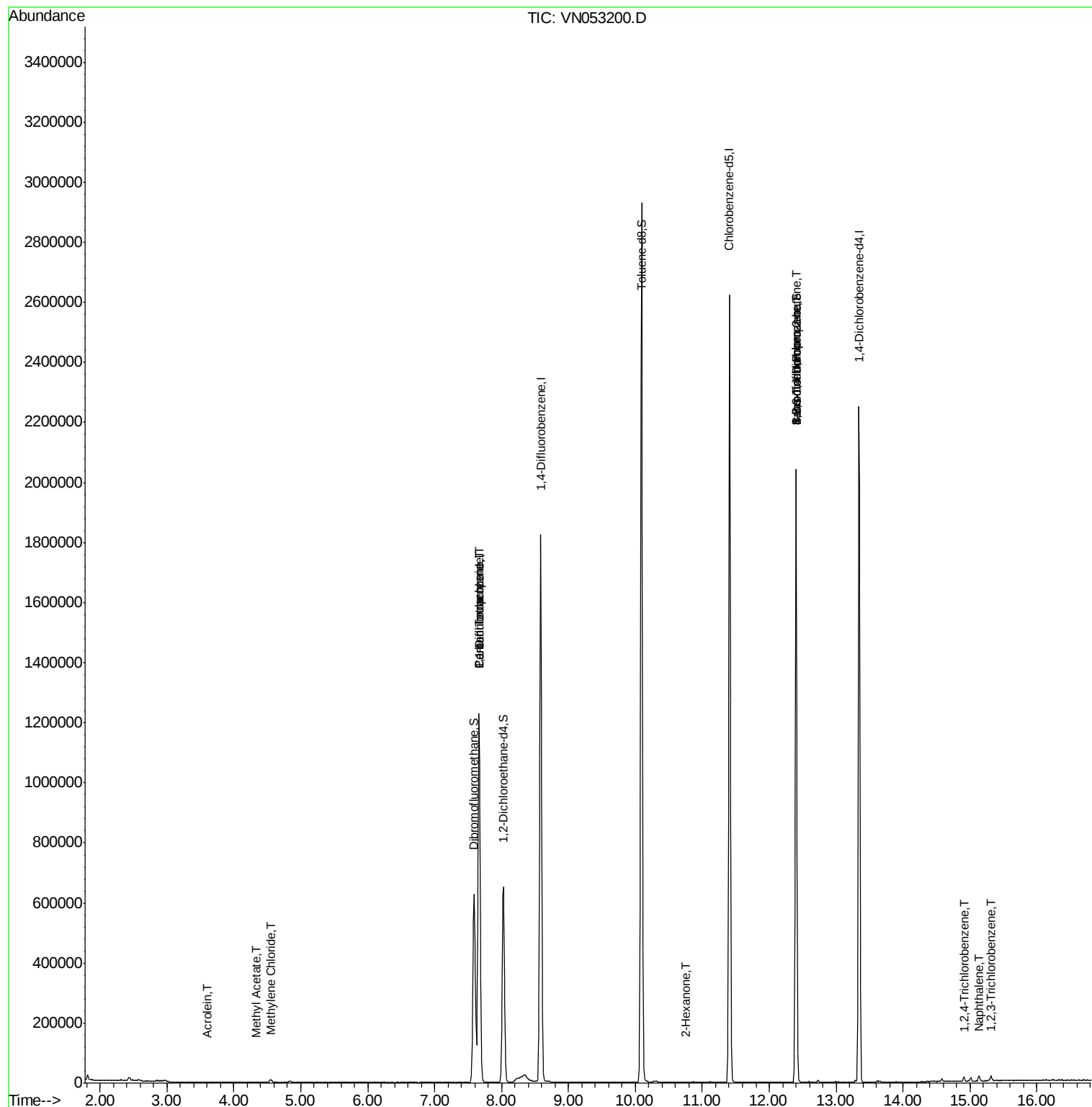
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	446	0.714	ug/l	92
18) Methyl Acetate	4.32	43	2463	1.232	ug/l #	60
20) Methylene Chloride	4.55	84	7657	0.634	ug/l	98
31) Cyclohexane	7.66	56	17825	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	71223	4.328	ug/l #	49
38) Carbon Tetrachloride	7.67	117	94522	6.267	ug/l #	15
59) 2-Hexanone	10.75	43	1590	0.264	ug/l	75
71) Bromoform	12.40	173	4222	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	330167	30.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	330167	98.806	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5442	1.064	ug/l	96
94) Hexachlorobutadiene	15.01	225	3070	Below Cal		96
95) Naphthalene	15.13	128	15957	1.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	6891	1.168	ug/l	97

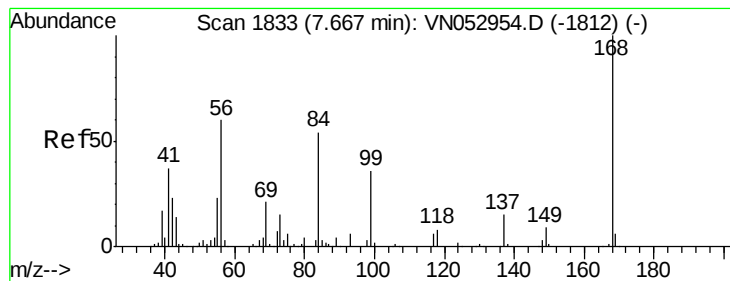
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampled :

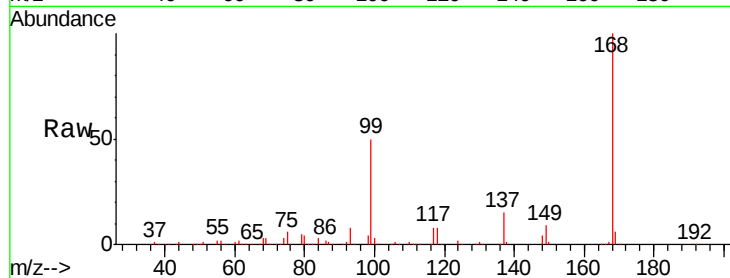
VN1227WBL01

Tgt Ion:168 Resp: 1112688

Ion Ratio Lower Upper

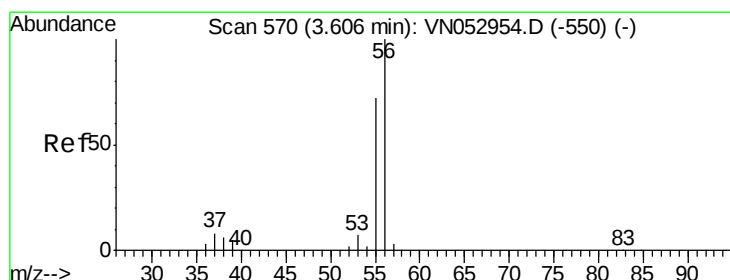
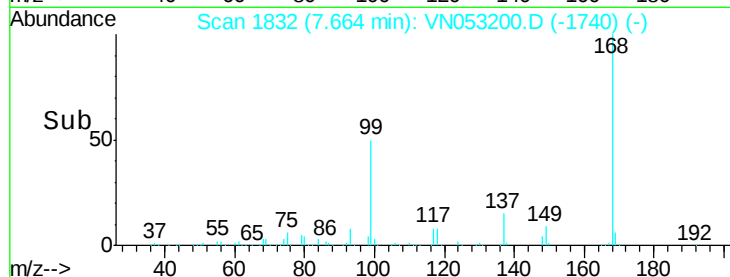
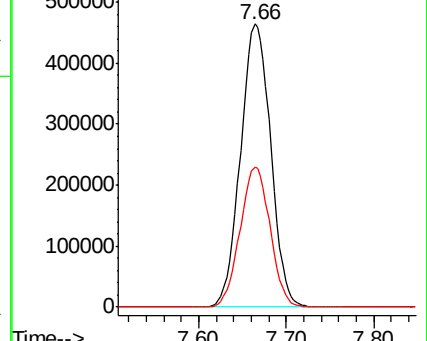
168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 0.714 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053200.D

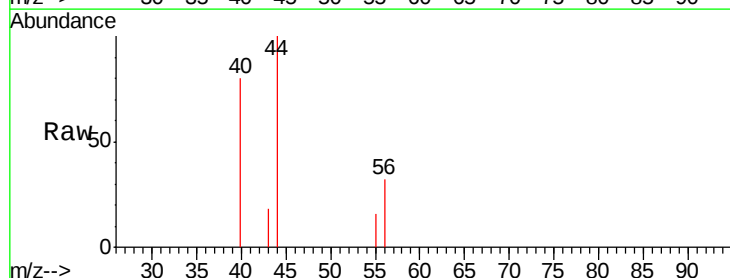
Acq: 27 Dec 2018 9:34

Tgt Ion: 56 Resp: 446

Ion Ratio Lower Upper

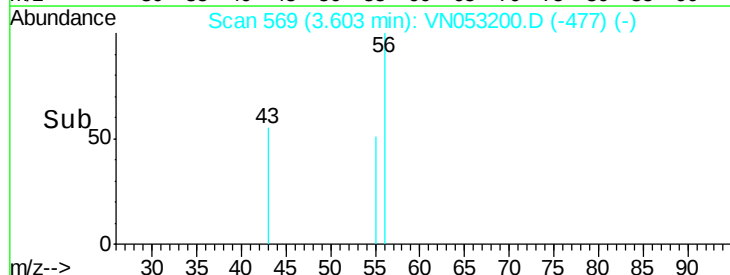
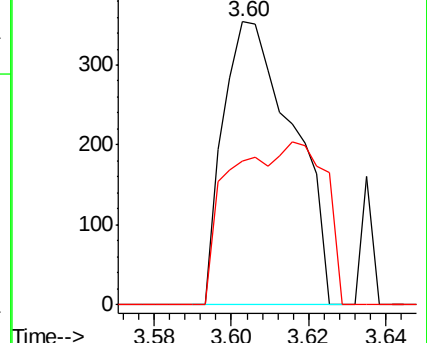
56 100

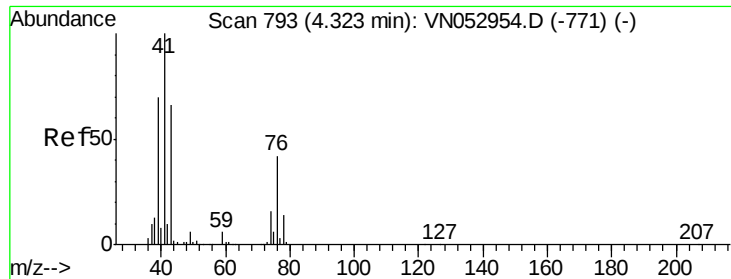
55 77.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

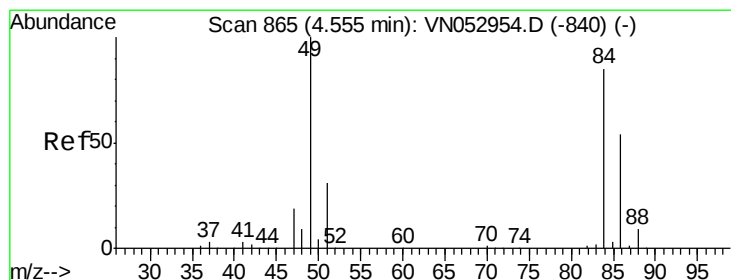
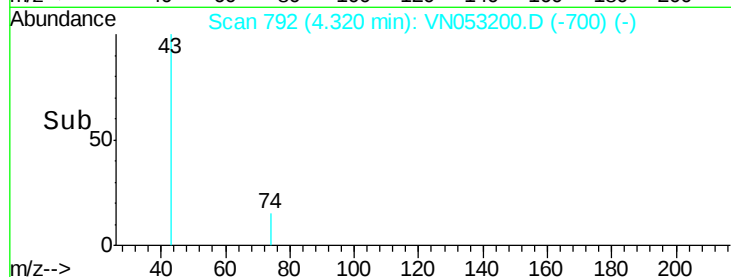
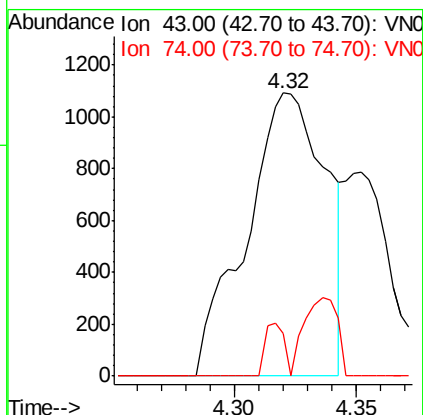
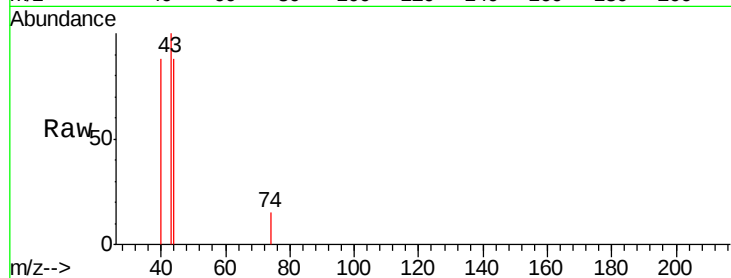




#18
Methyl Acetate
Concen: 1.232 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

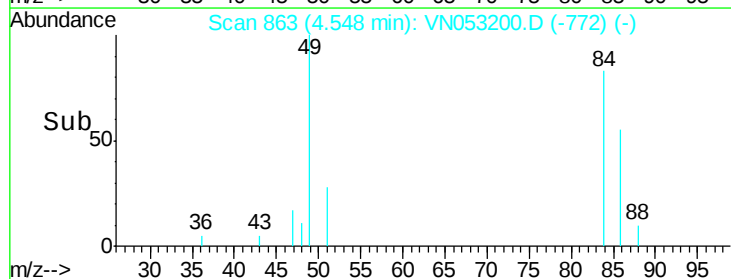
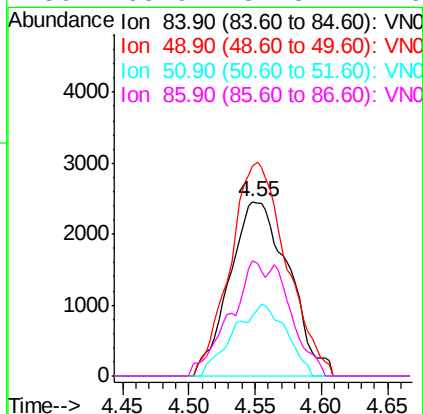
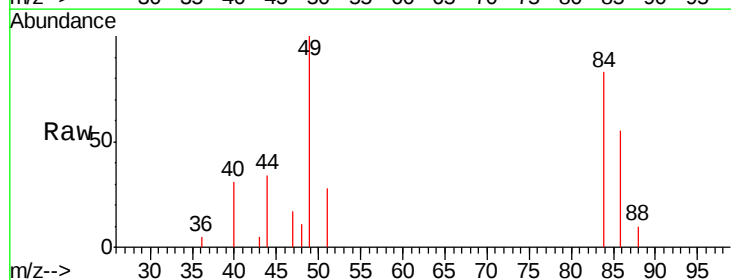
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

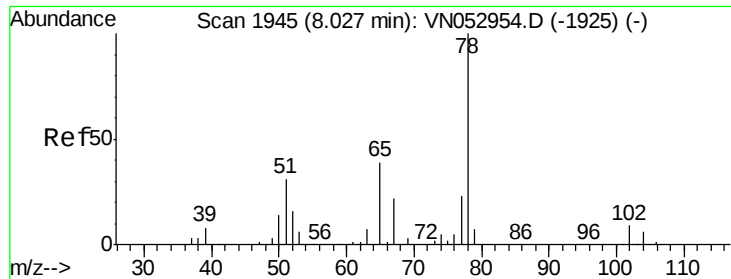
Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
74 4.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.634 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

Tgt Ion: 84 Resp: 7657
Ion Ratio Lower Upper
84 100
49 120.4 96.8 145.2
51 34.2 29.9 44.9
86 65.9 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampled :

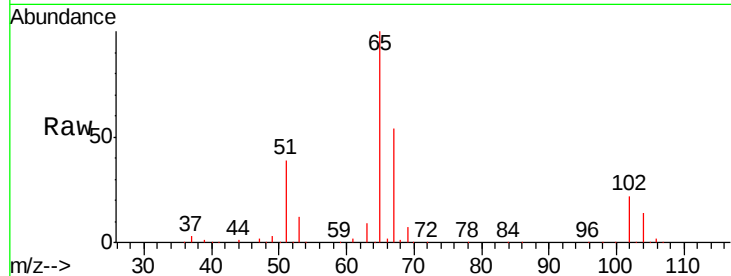
VN1227WBL01

Tgt Ion: 65 Resp: 543064

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

250000

200000

150000

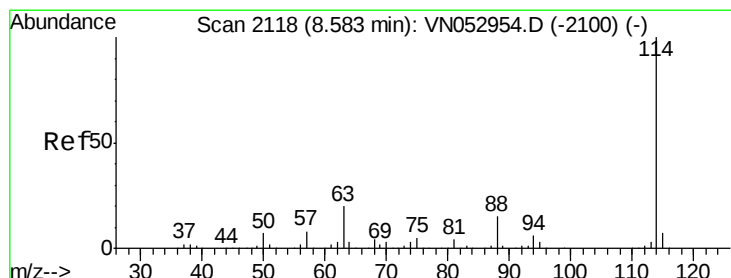
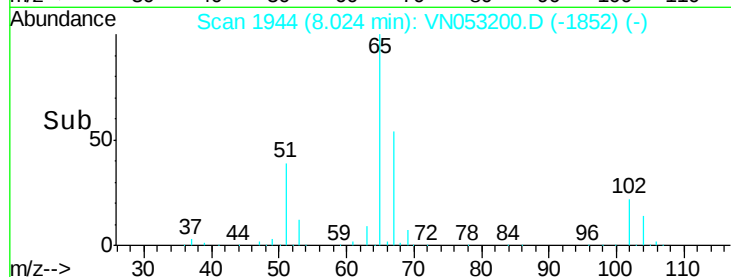
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

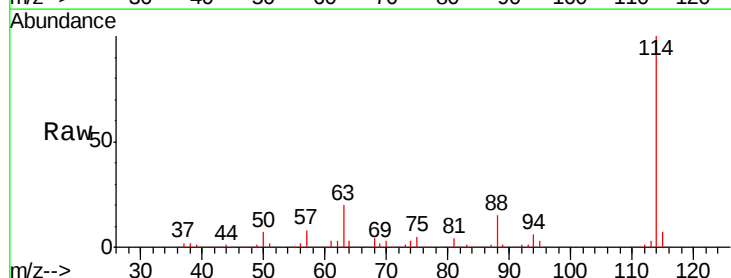
Tgt Ion: 114 Resp: 1714345

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

1000000

800000

600000

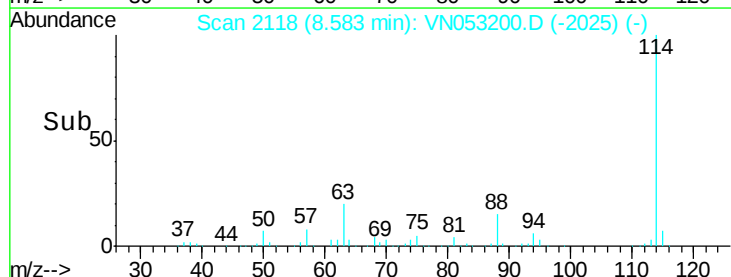
400000

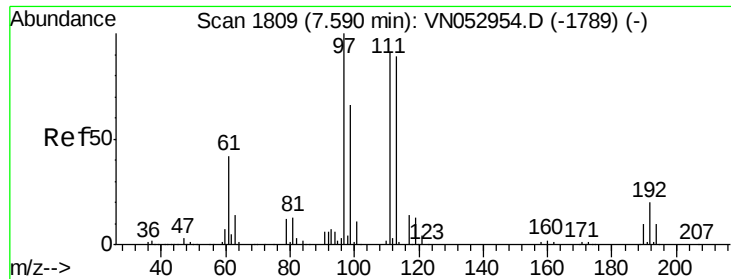
200000

0

Time-->

8.50 8.60 8.70

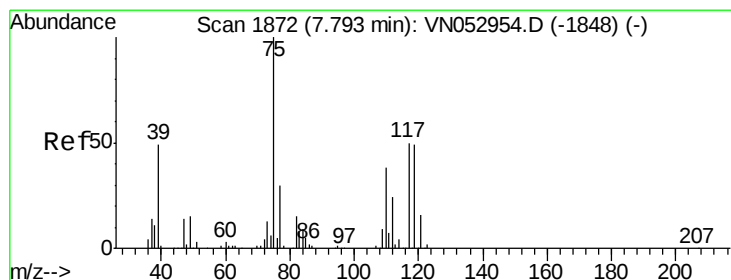
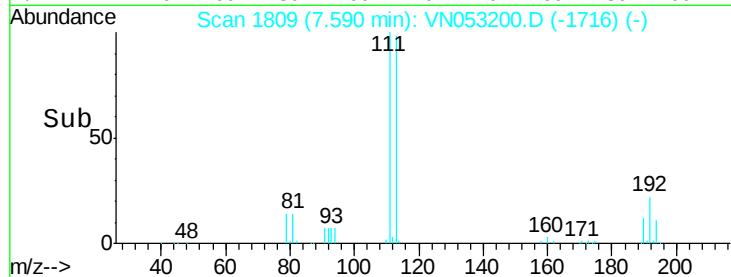
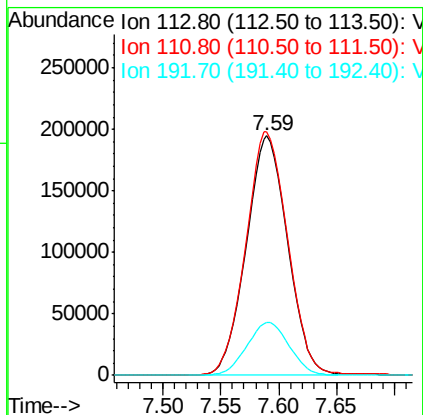
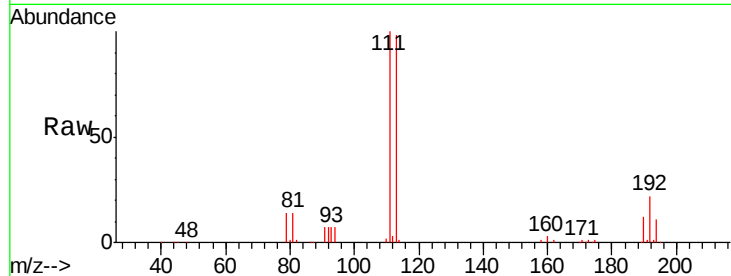




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

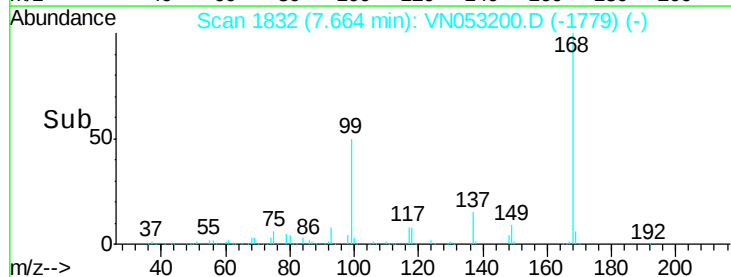
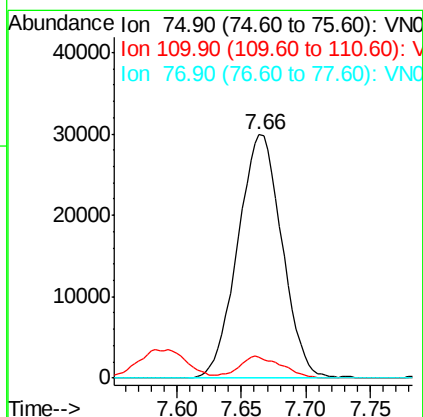
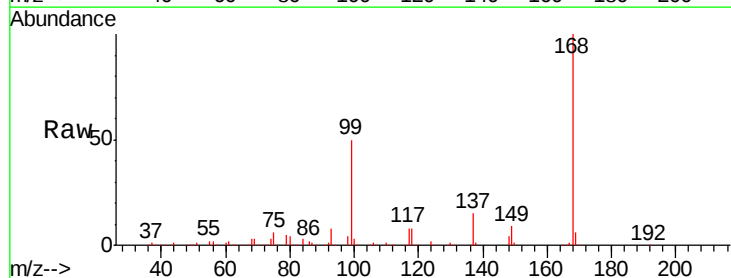
Instrument :
MSVOA_N
ClientSampled :
VN1227WBL01

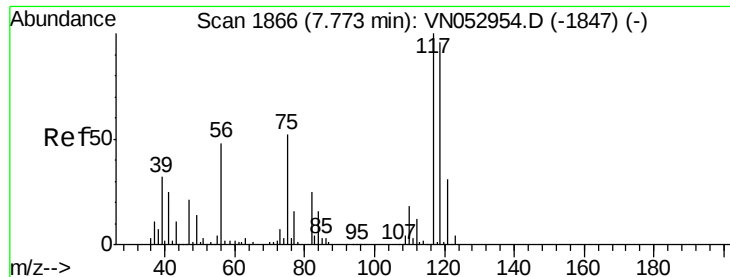
Tgt Ion:113 Resp: 483699
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 22.7 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

Tgt Ion: 75 Resp: 71223
Ion Ratio Lower Upper
75 100
110 8.7 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBL01

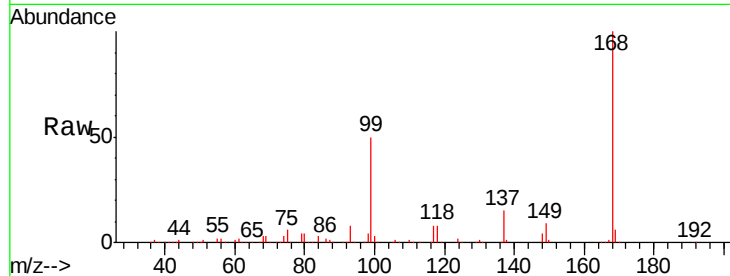
Tgt Ion:117 Resp: 94522

Ion Ratio Lower Upper

117 100

119 4.5 77.1 115.7#

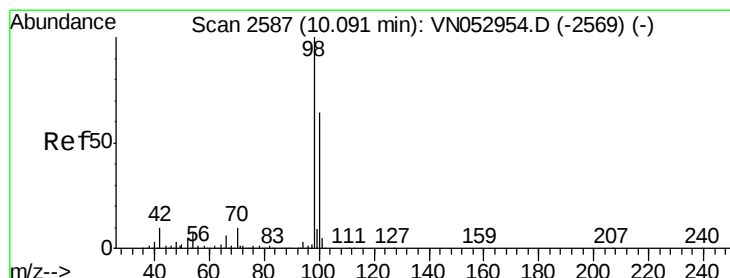
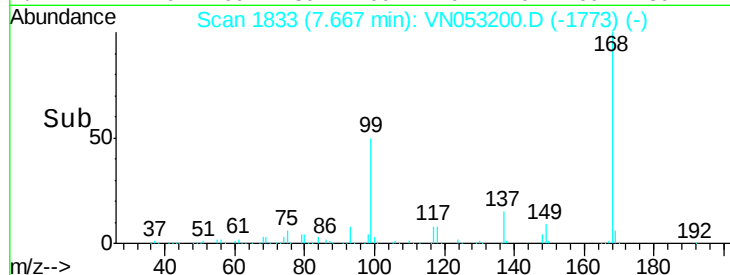
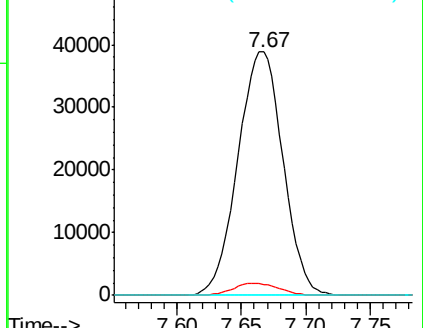
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053200.D

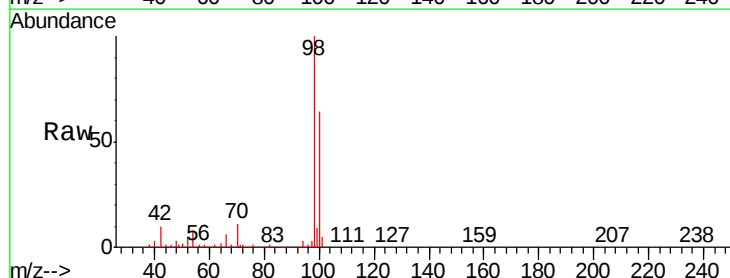
Acq: 27 Dec 2018 9:34

Tgt Ion: 98 Resp: 2114586

Ion Ratio Lower Upper

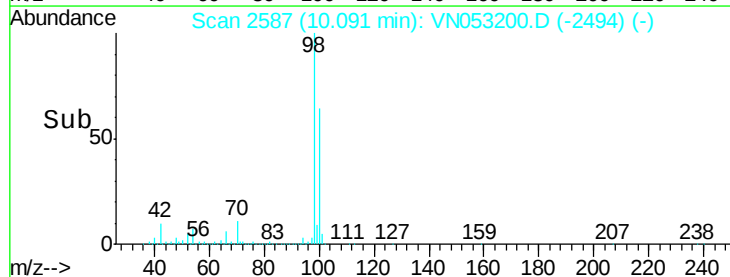
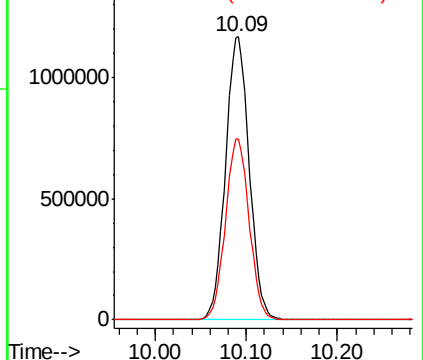
98 100

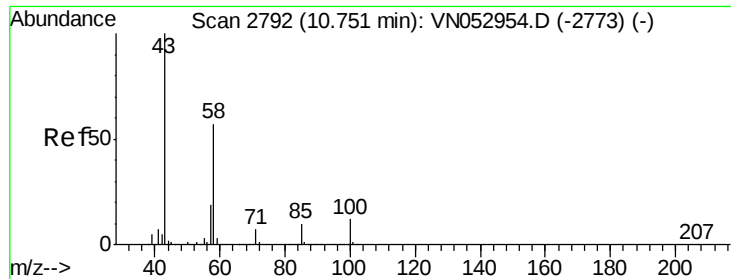
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

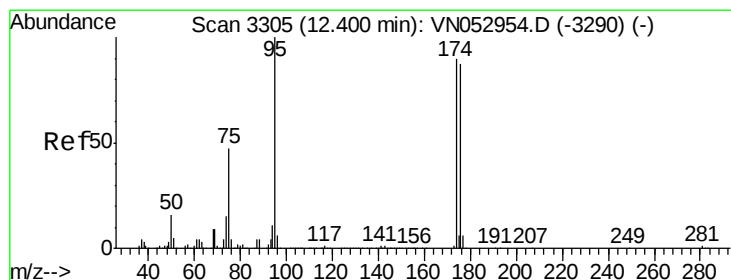
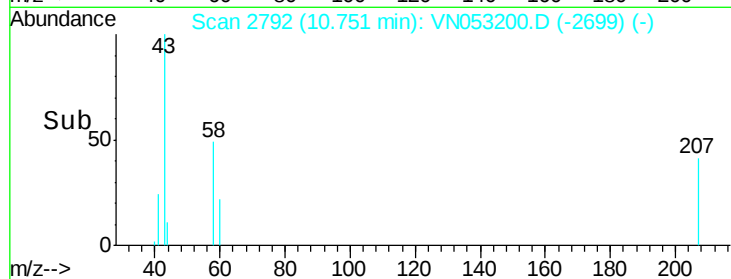
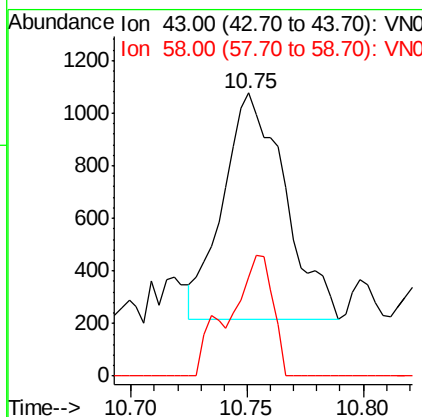
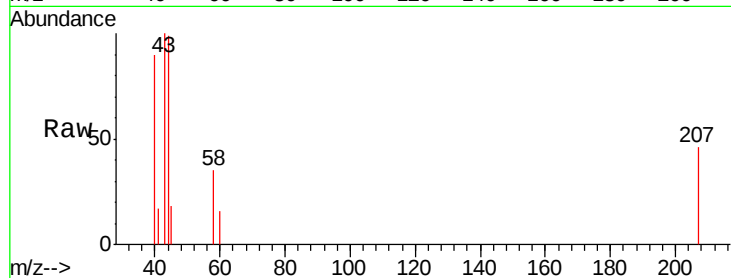




#59
2-Hexanone
Concen: 0.264 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

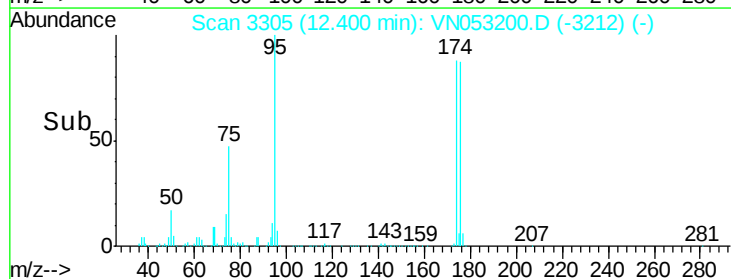
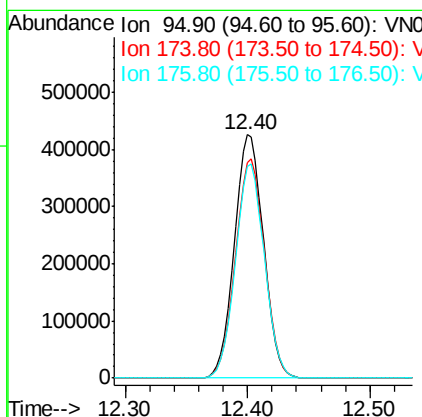
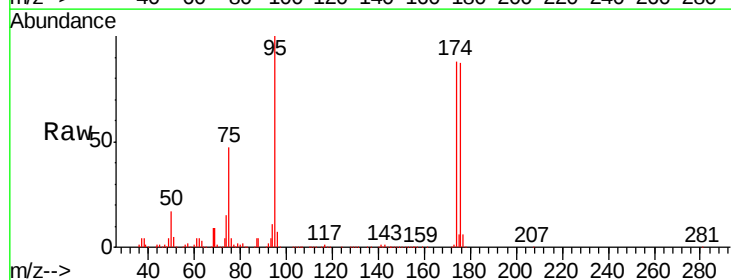
Instrument :
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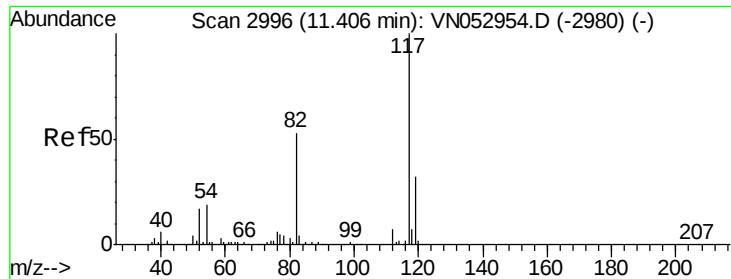
Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
58 37.9 28.1 84.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

Tgt Ion: 95 Resp: 705343
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.8
176 87.2 0.0 173.8

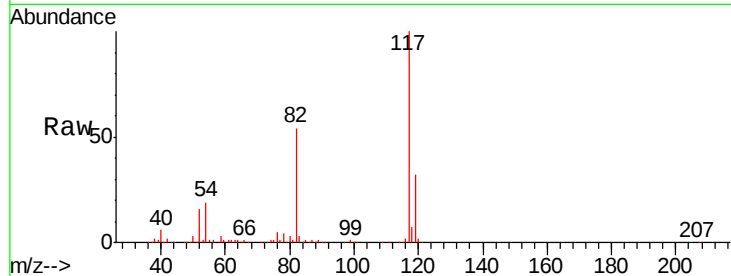




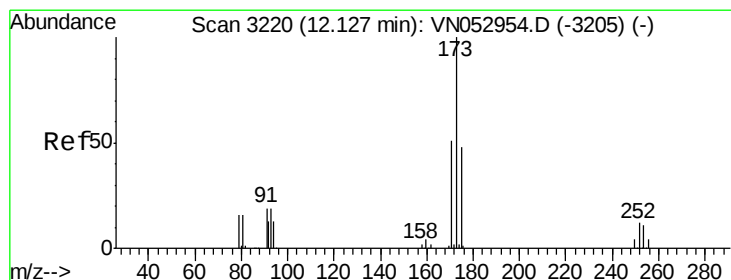
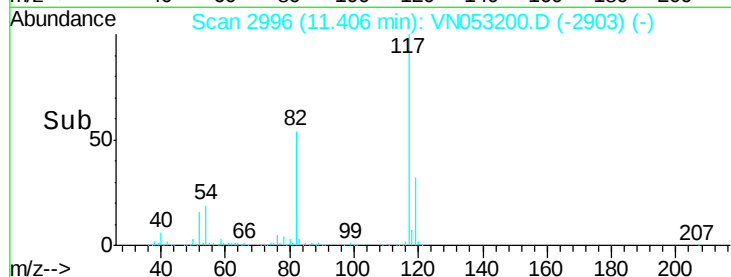
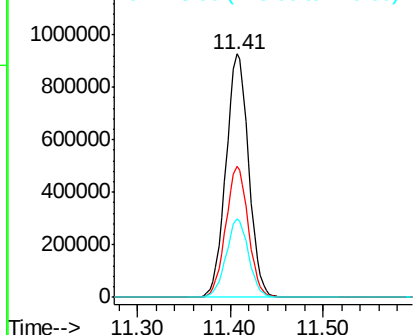
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Tgt Ion:117 Resp: 1572284
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.0 25.5 38.3

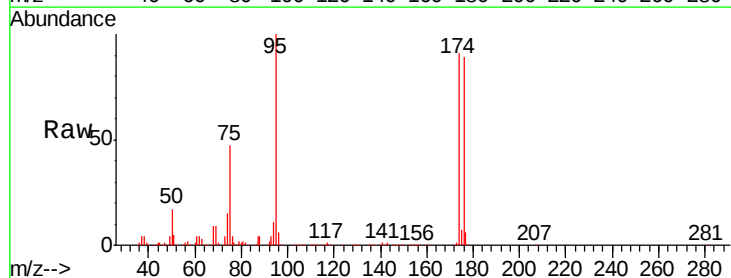


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

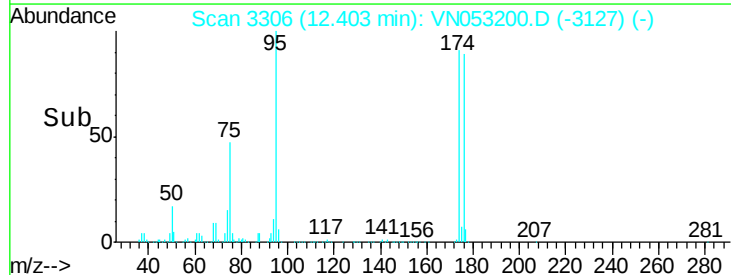
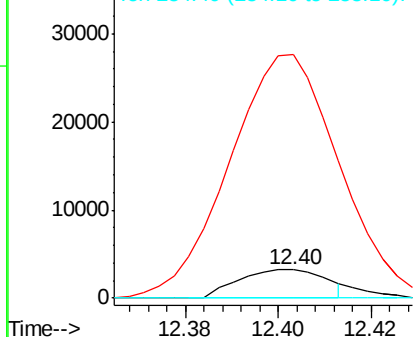


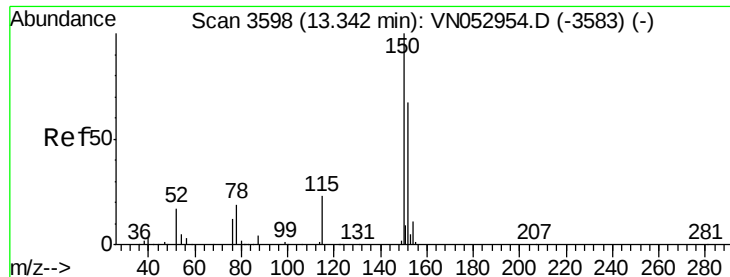
#71
Bromoform
Concen: 0.482 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053200.D
Acq: 27 Dec 2018 9:34

Tgt Ion:173 Resp: 4222
Ion Ratio Lower Upper
173 100
175 955.1 24.3 72.9#
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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBL01

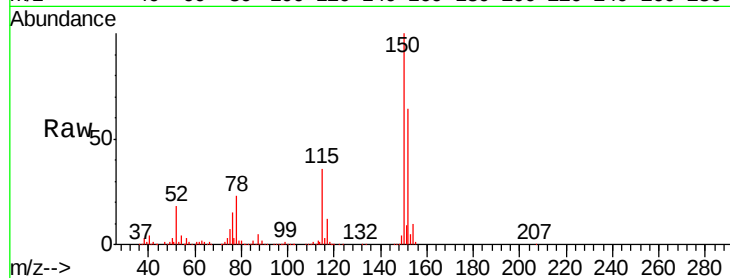
Tgt Ion:152 Resp: 639793

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

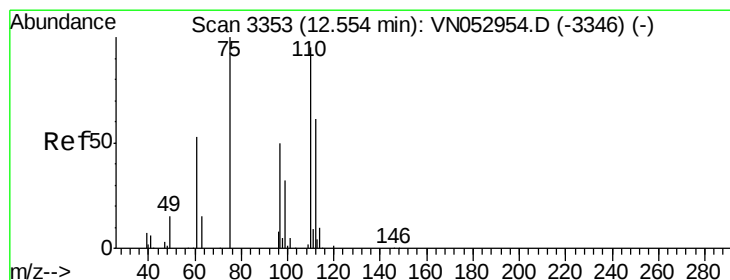
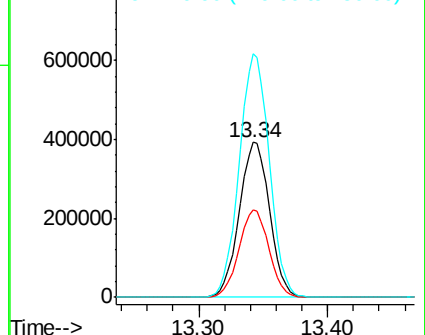
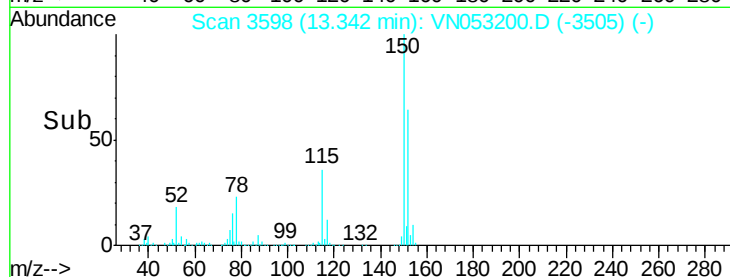
150 156.4 0.0 347.8



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: 30.655 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053200.D

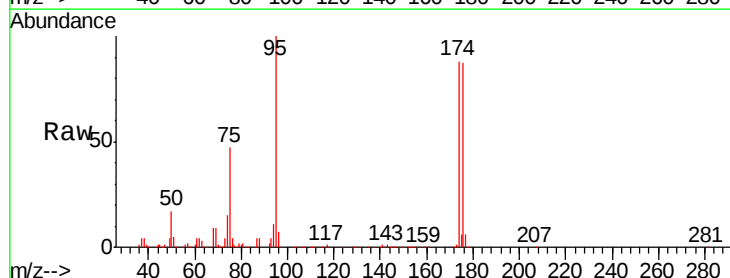
Acq: 27 Dec 2018 9:34

Tgt Ion: 75 Resp: 330167

Ion Ratio Lower Upper

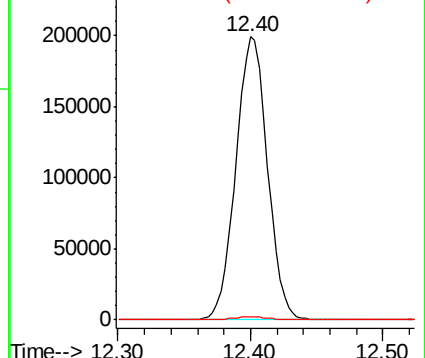
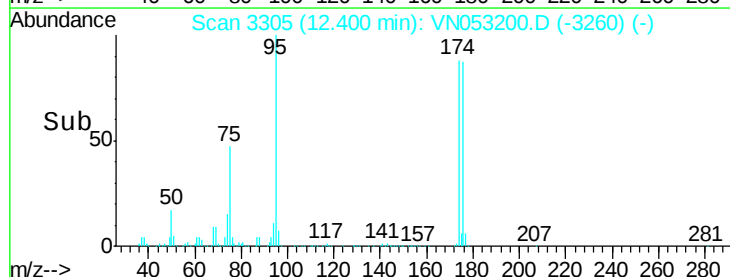
75 100

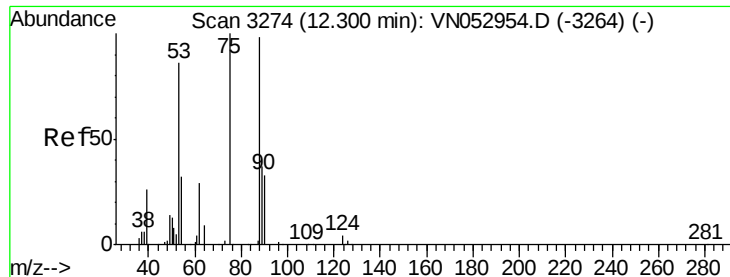
77 1.1 0.0 0.0#



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: 98.806 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBL01

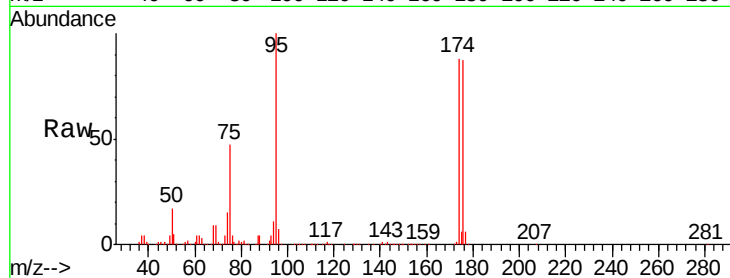
Tgt Ion: 75 Resp: 330167

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

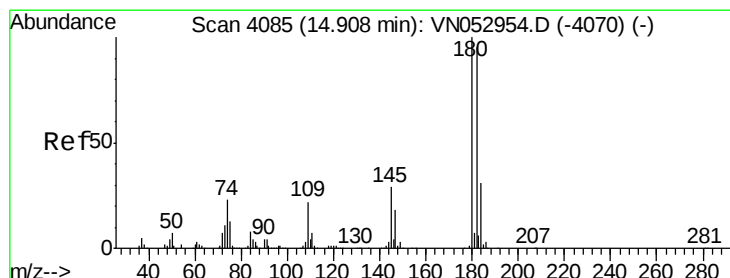
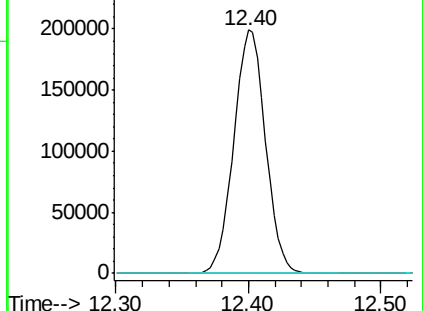
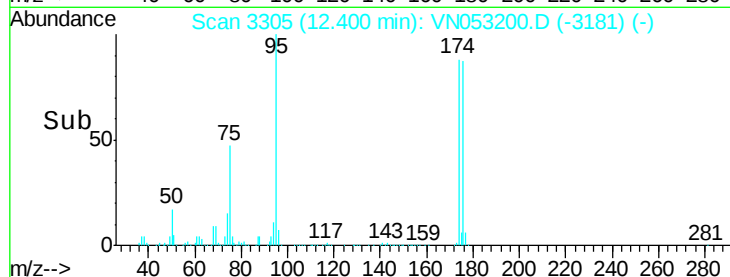
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053200.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053200.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053200.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.064 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

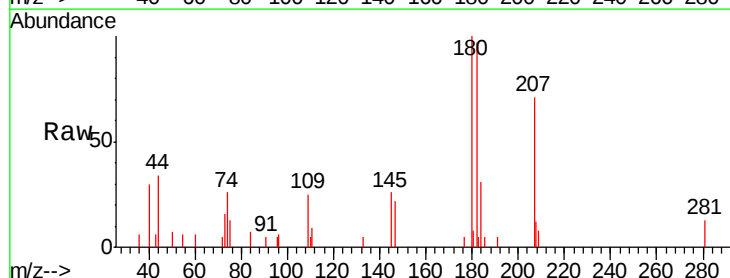
Tgt Ion: 180 Resp: 5442

Ion Ratio Lower Upper

180 100

182 93.0 47.8 143.3

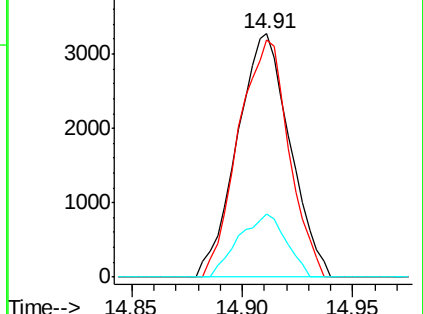
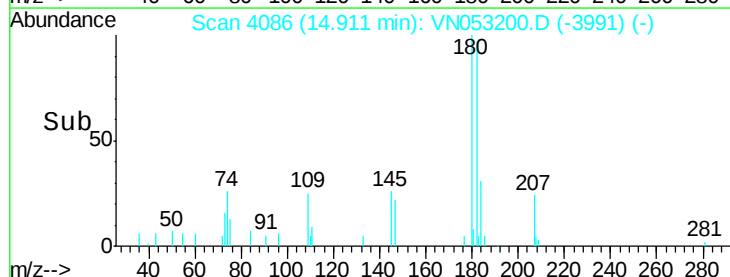
145 23.3 14.2 42.6

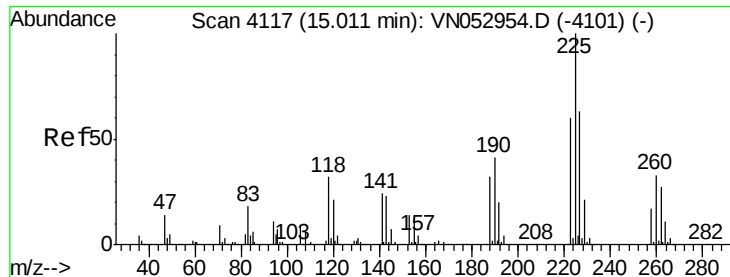


Abundance Ion 179.80 (179.50 to 180.50): VN053200.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053200.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053200.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBL01

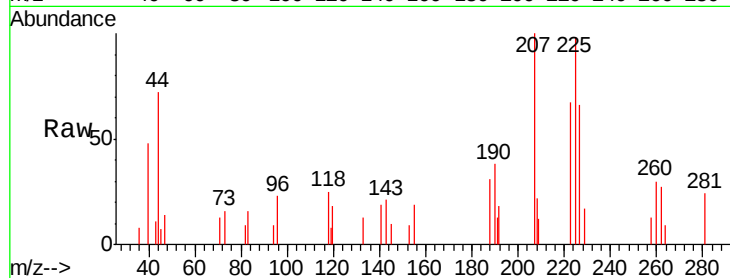
Tgt Ion:225 Resp: 3070

Ion Ratio Lower Upper

225 100

223 65.5 31.5 94.5

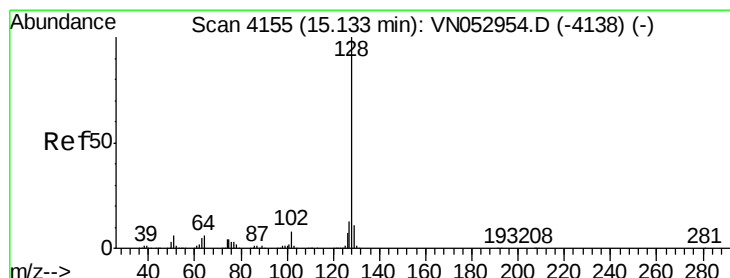
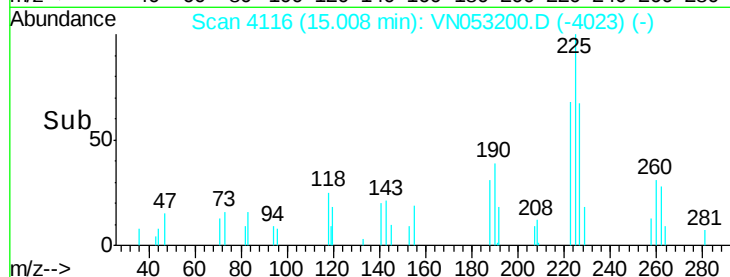
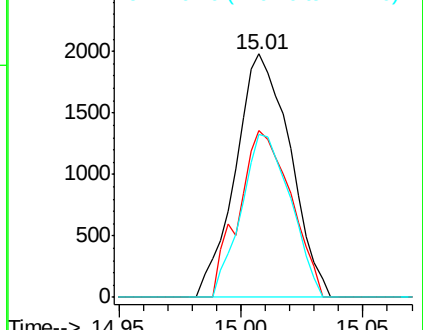
227 60.3 31.9 95.7



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: 1.766 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053200.D

Acq: 27 Dec 2018 9:34

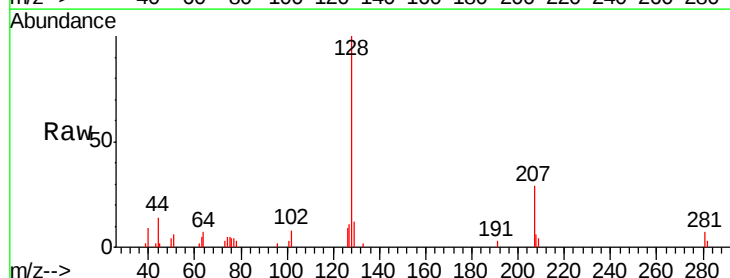
Tgt Ion:128 Resp: 15957

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

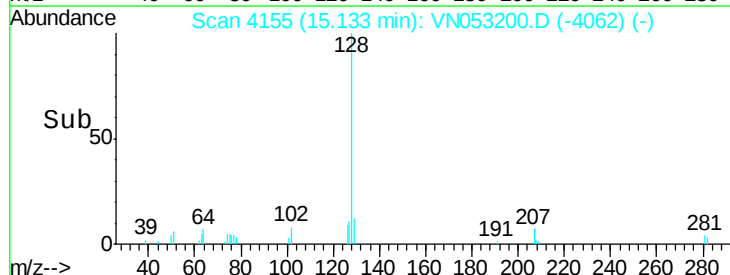
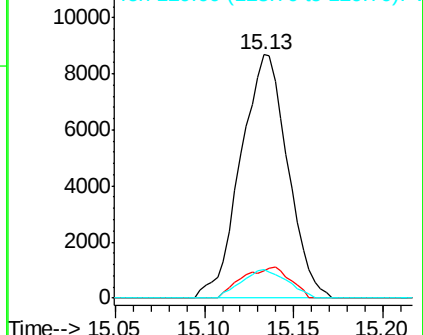
129 11.5 8.6 13.0

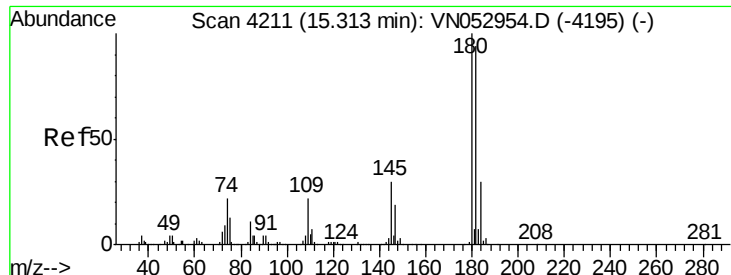


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.168 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053200.D
 Acq: 27 Dec 2018 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.7
145	27.9	15.0	45.0

