

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058453.D
 Acq On : 1 Oct 2019 10:44
 Operator : JC/SP
 Sample : VN1001WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL01

Quant Time: Oct 02 01:25:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	679276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222179	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	299544	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	7.57	113	213115	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.09	98	842609	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.41	95	265677	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

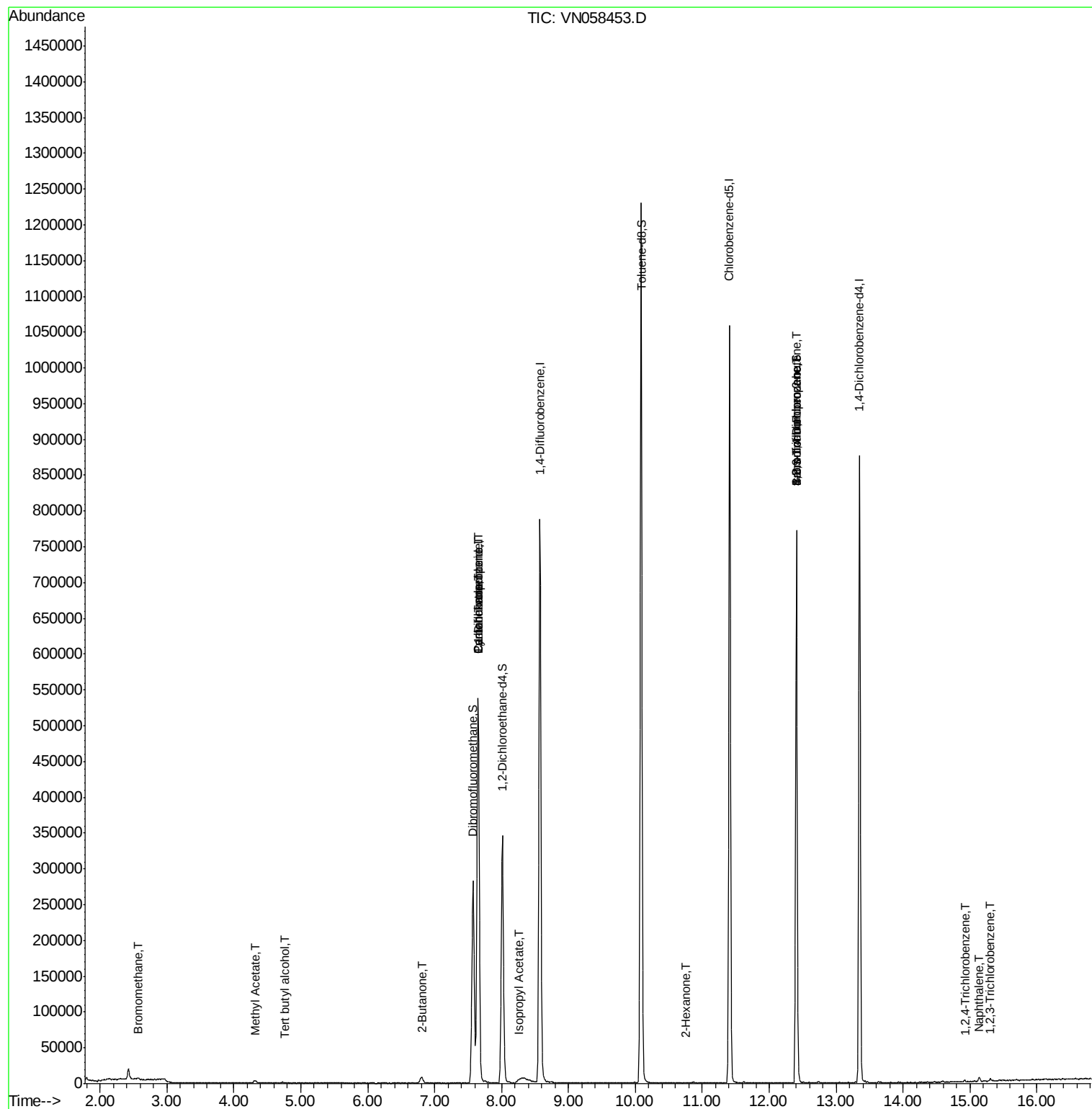
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	591	0.225	ug/l	91
11) Tert butyl alcohol	4.75	59	246	0.362	ug/l #	71
18) Methyl Acetate	4.32	43	6834	1.302	ug/l #	83
25) 2-Butanone	6.81	43	609	0.213	ug/l #	50
31) Cyclohexane	7.65	56	11070	1.307	ug/l #	33
36) 1,1-Dichloropropene	7.65	75	36663	5.645	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43178	7.365	ug/l #	16
43) Isopropyl Acetate	8.25	43	3538	0.342	ug/l #	63
59) 2-Hexanone	10.76	43	1092	0.282	ug/l #	53
71) Bromoform	12.40	173	916	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	143466	35.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	143466	107.371	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1023	0.276	ug/l	87
95) Naphthalene	15.14	128	5744	0.500	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	1393	0.350	ug/l	90

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100119\
Data File : VN058453.D
Acq On : 1 Oct 2019 10:44
Operator : JC/SP
Sample : VN1001WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL01

Quant Time: Oct 02 01:25:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

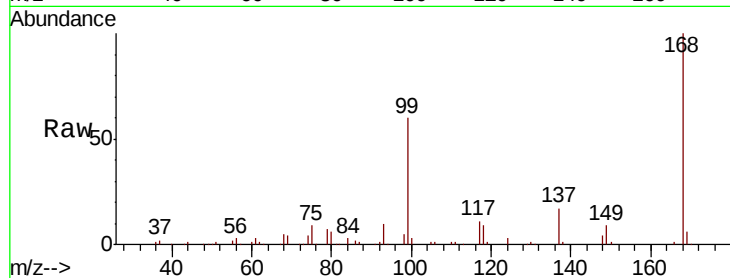
VN1001WBL01

Tot Ion:168 Resp: 418782

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

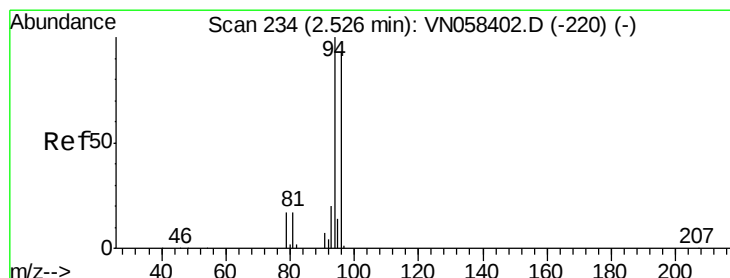
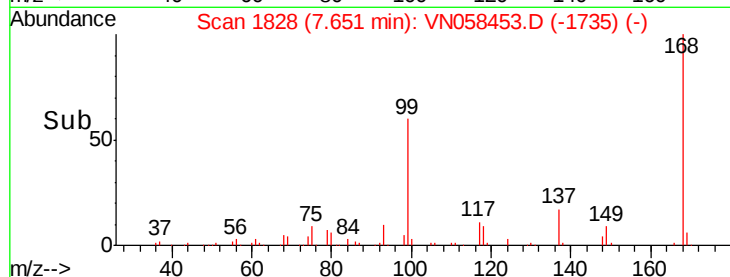
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058453.D

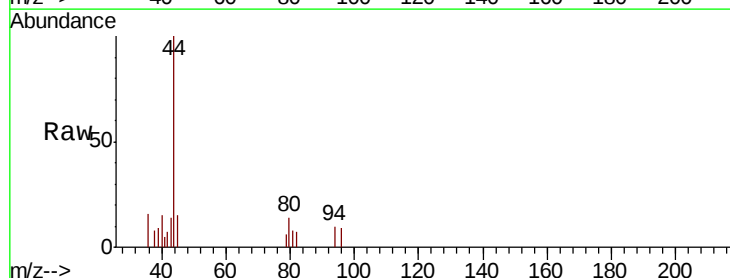
Acq: 1 Oct 2019 10:44

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

94 100

96 84.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

400

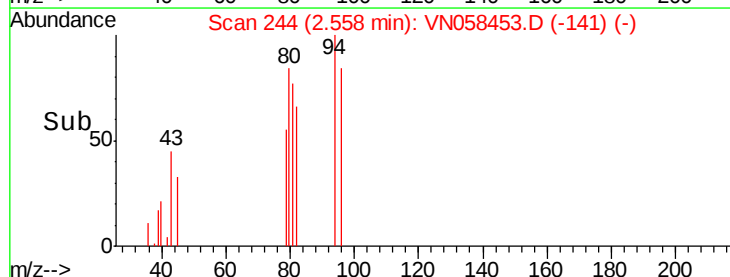
300

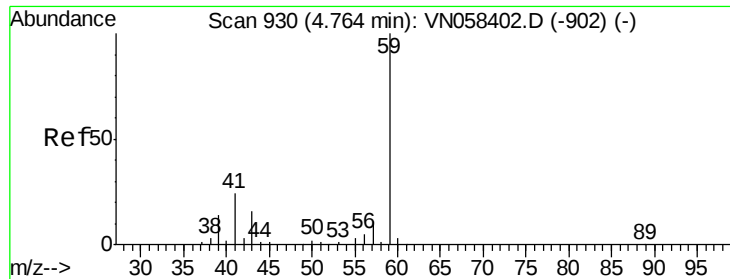
200

100

0

Time-->

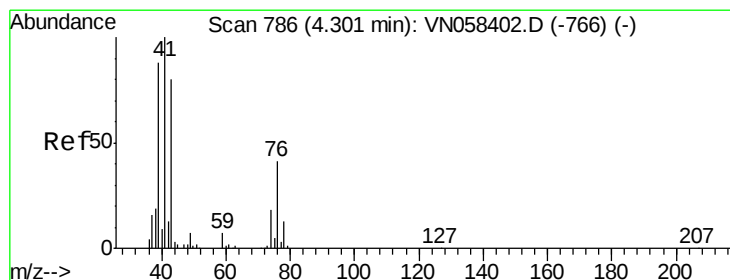
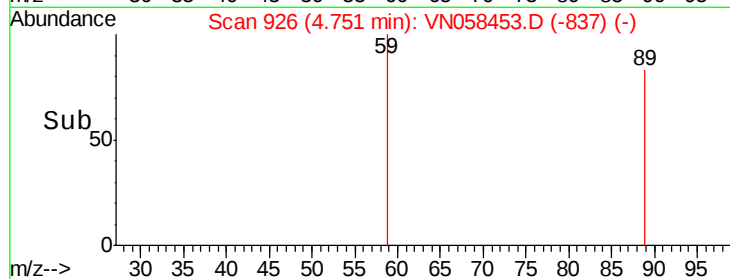
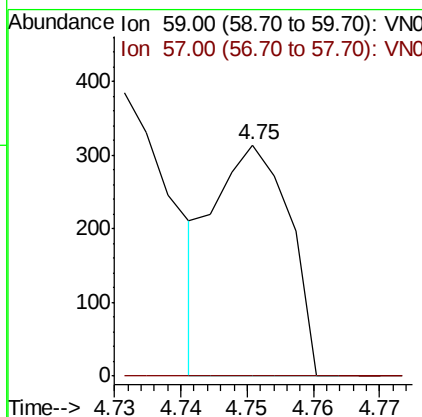
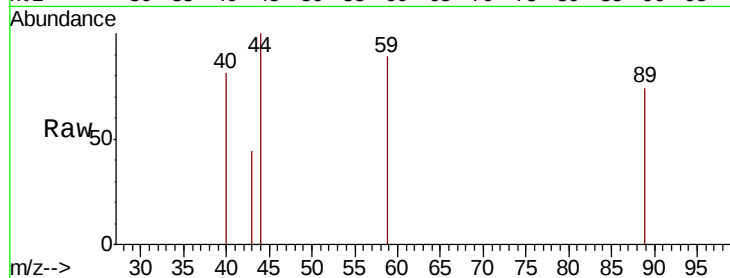




#11
Tert butyl alcohol
Concen: 0.362 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

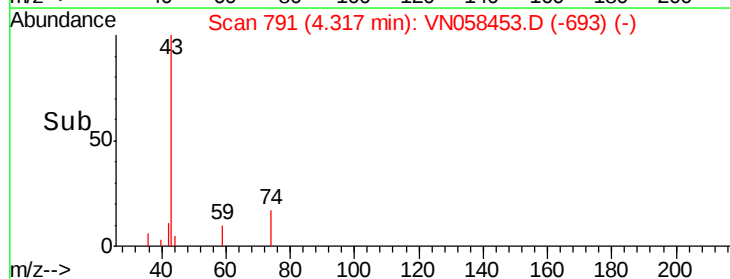
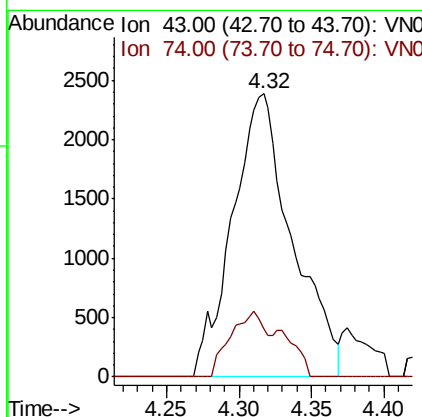
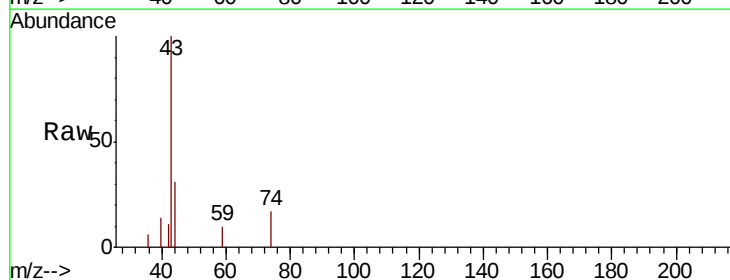
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL01

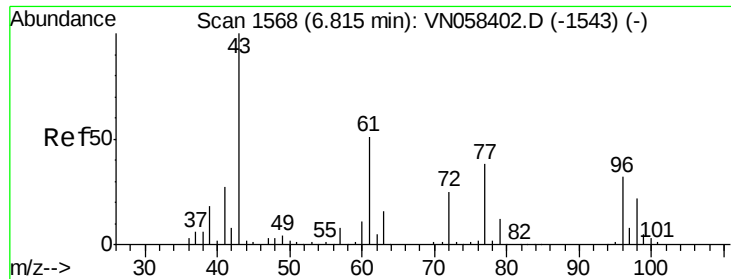
Tot Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#18
Methyl Acetate
Concen: 1.302 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

Tgt Ion: 43 Resp: 6834
Ion Ratio Lower Upper
43 100
74 14.2 18.0 27.0#

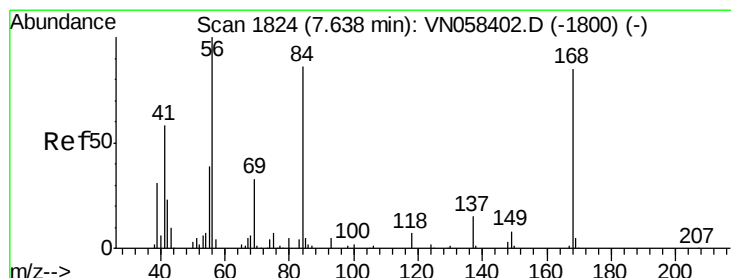
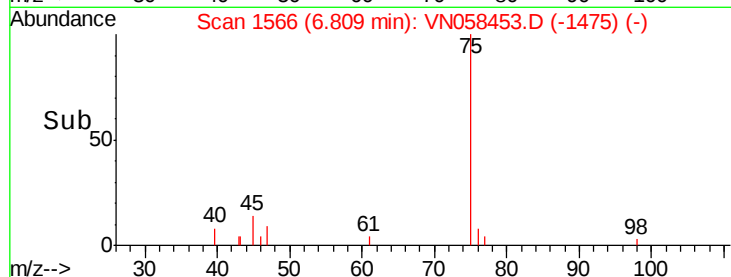
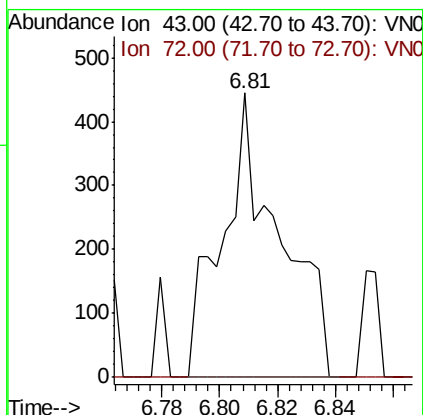
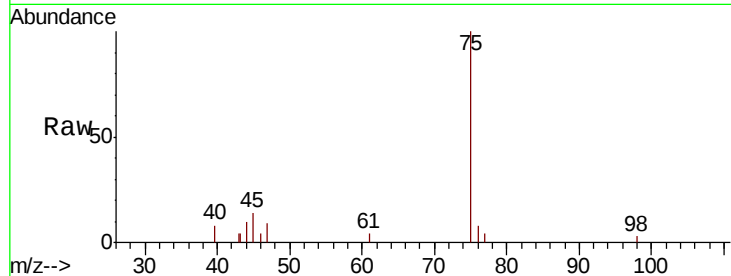




#25
2-Butanone
Concen: 0.213 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

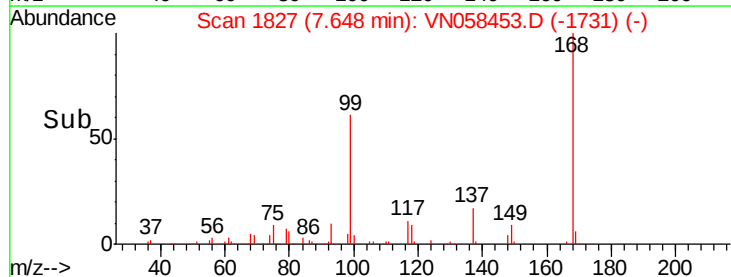
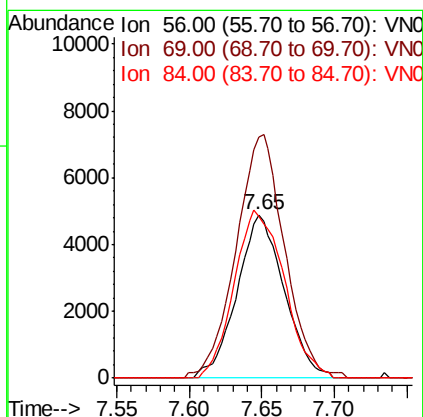
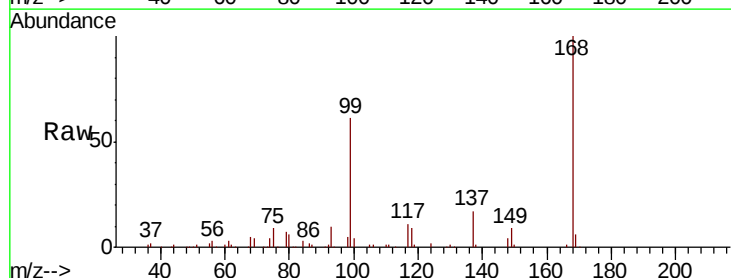
Instrument :
MSVOA_N
ClientSampled :
VN1001WBL01

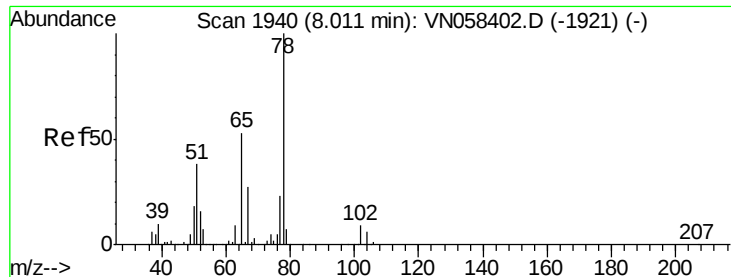
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

Tgt Ion: 56 Resp: 11070
Ion Ratio Lower Upper
56 100
69 144.7 26.2 39.4#
84 98.8 67.6 101.4





#33

1,2-Dichloroethane-d4

Concen: 48.947 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

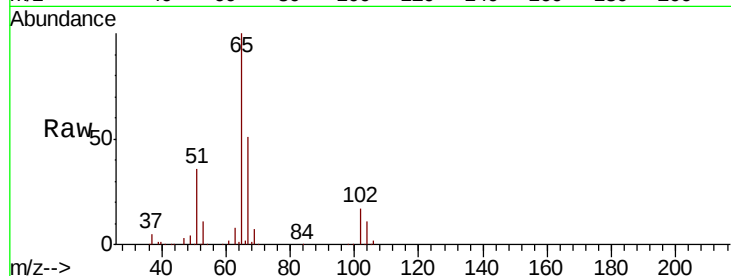
VN1001WBL01

Tot Ion: 65 Resp: 299544

Ion Ratio Lower Upper

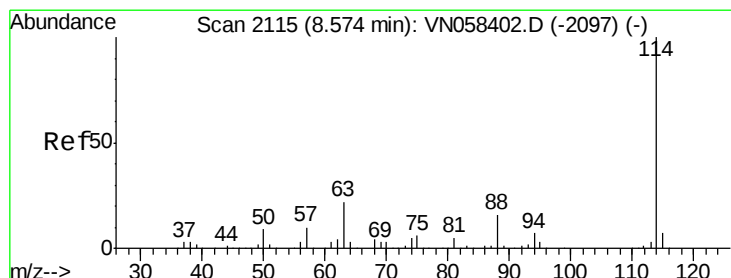
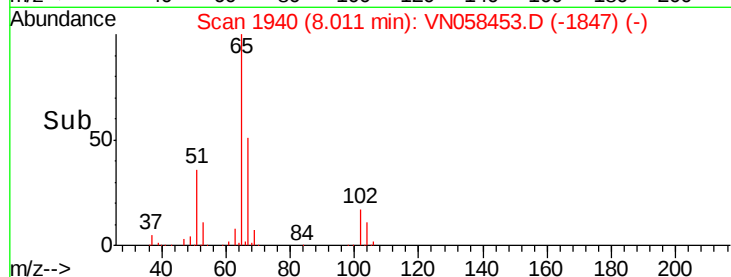
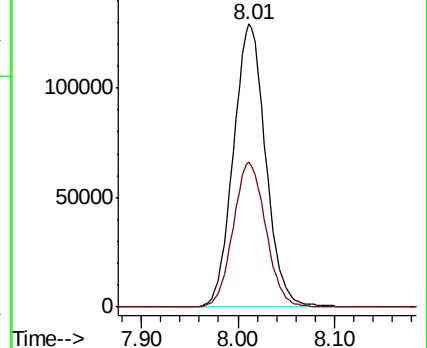
65 100

67 51.8 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

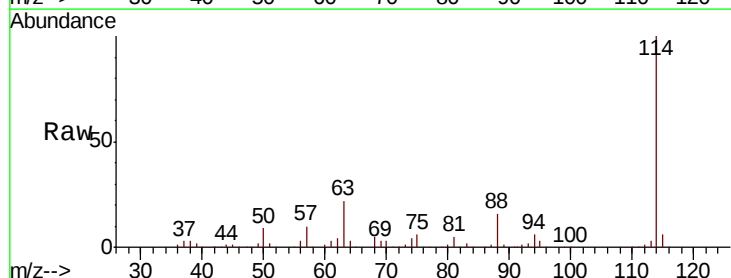
Tgt Ion: 114 Resp: 679276

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

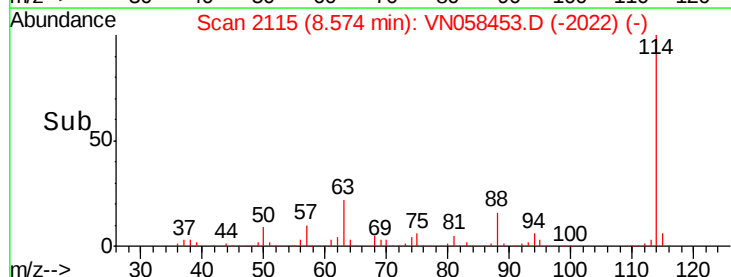
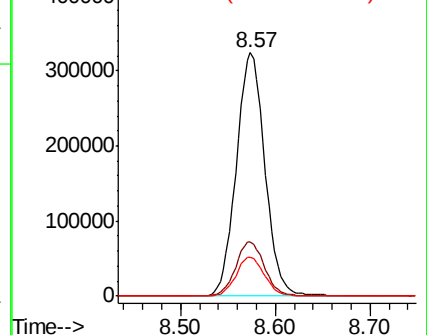
88 15.9 0.0 32.2

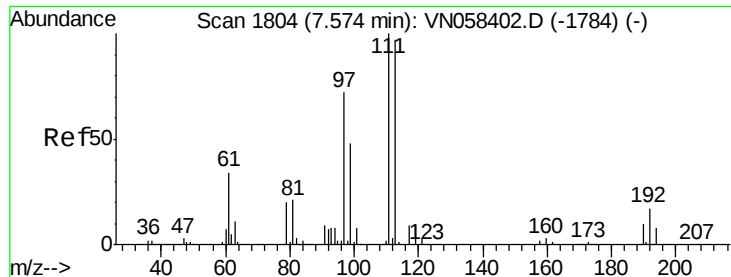


Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

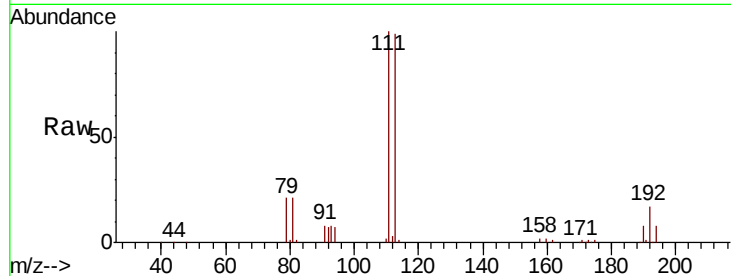




#35
 Dibromofluoromethane
 Concen: 51.190 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058453.D
 Acq: 1 Oct 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.4	125.2
192	17.9	14.9	22.3

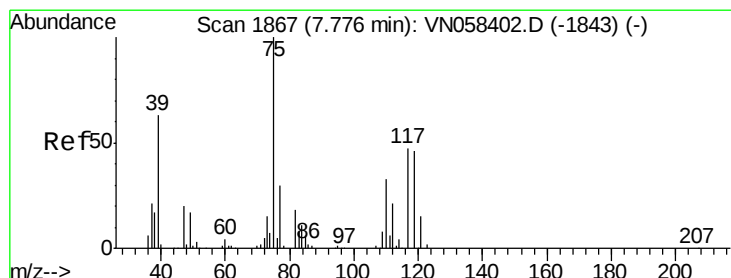
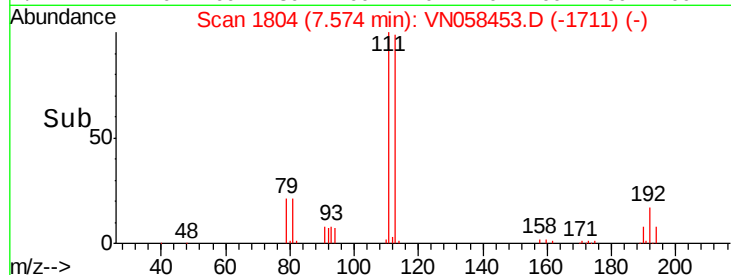
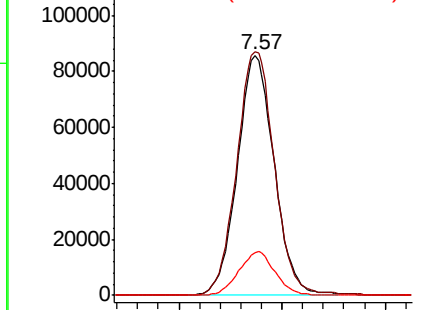


Abundance

Ion 112.80 (112.50 to 113.50): V

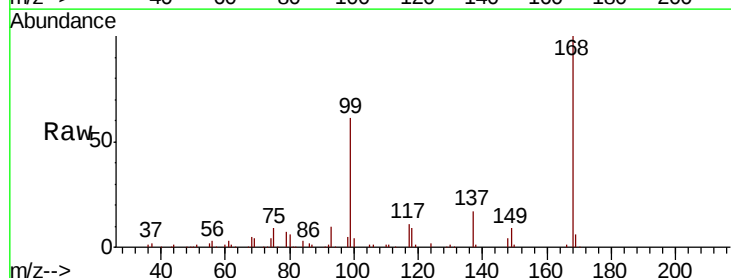
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.645 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058453.D
 Acq: 1 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.3	36.5#

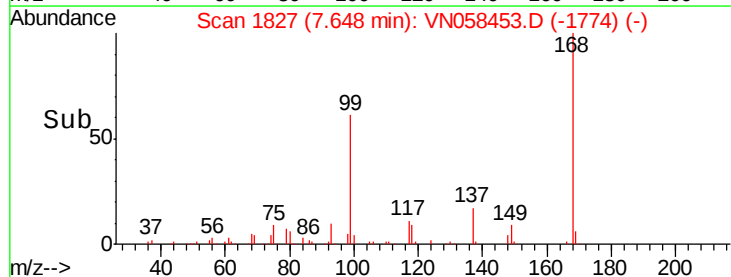
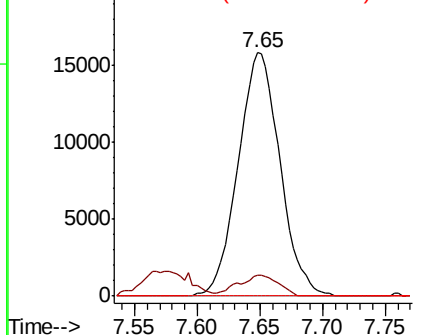


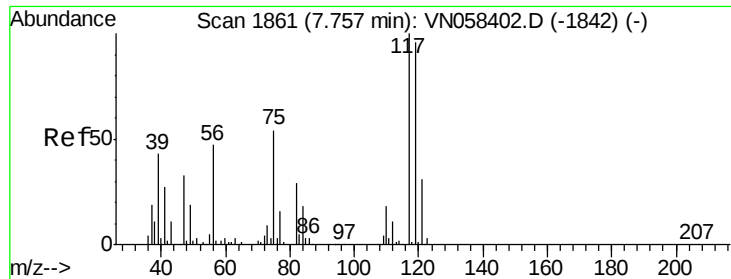
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.365 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

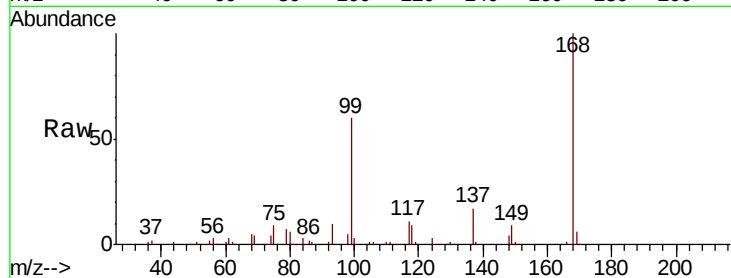
Tot Ion:117 Resp: 43178

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

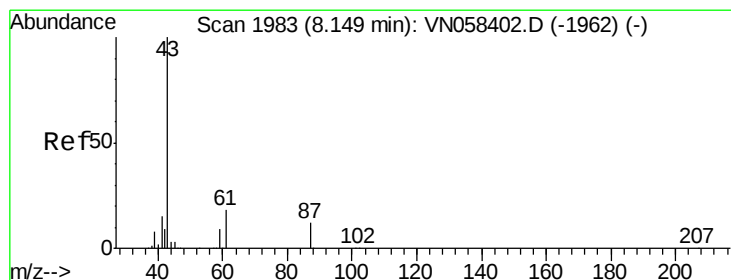
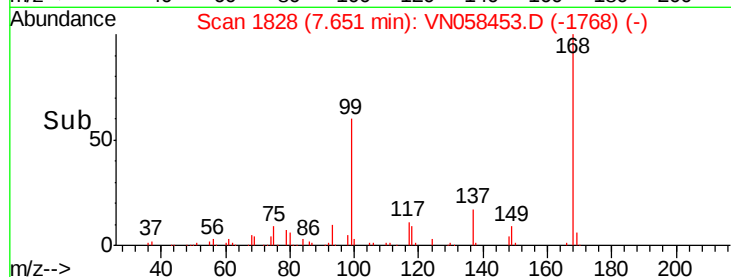
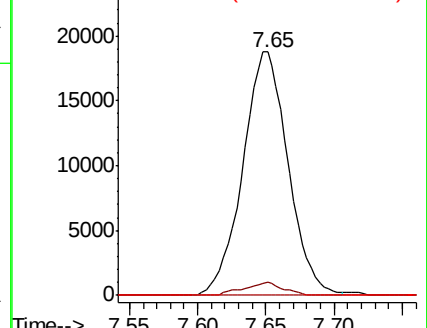
121 0.0 24.7 37.1#



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: 0.342 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.10 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

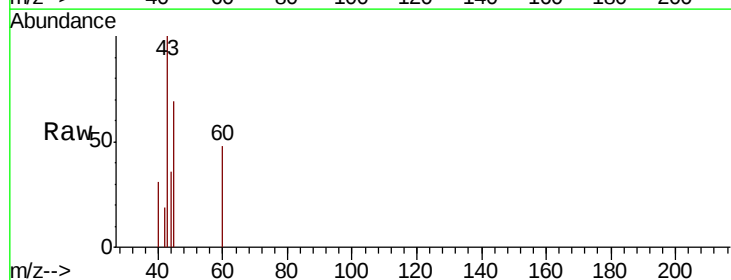
Tgt Ion: 43 Resp: 3538

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

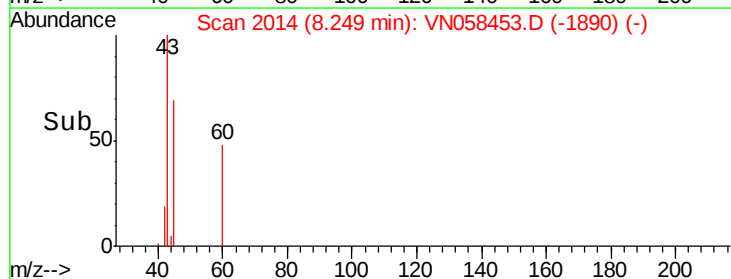
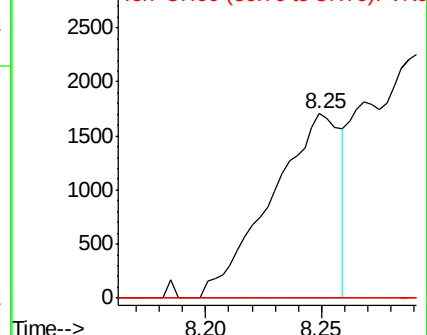
87 0.0 9.7 14.5#

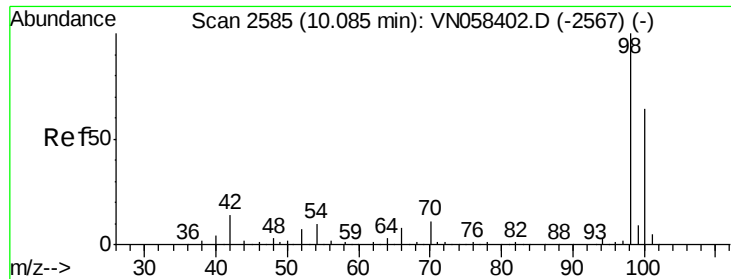


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.665 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

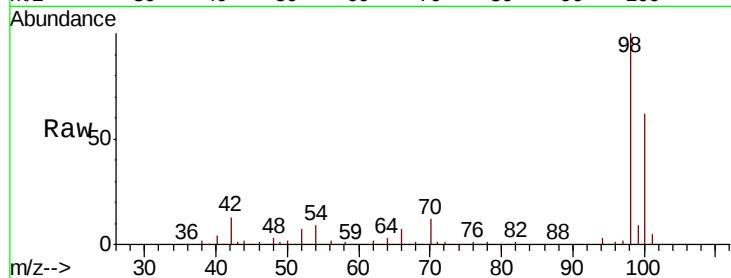
VN1001WBL01

Tot Ion: 98 Resp: 842609

Ion Ratio Lower Upper

98 100

100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

500000

400000

300000

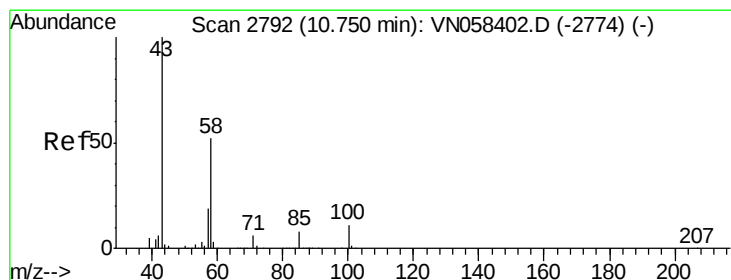
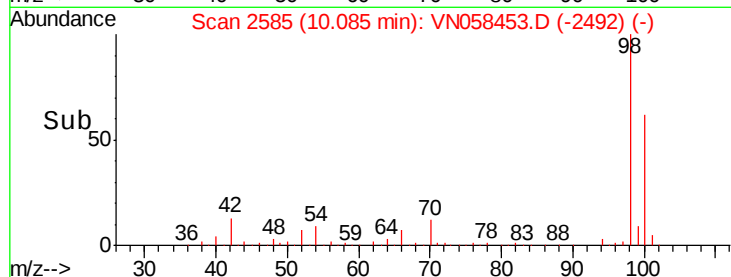
200000

100000

0

Time-->

10.00 10.10 10.20



#59

2-Hexanone

Concen: 0.282 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058453.D

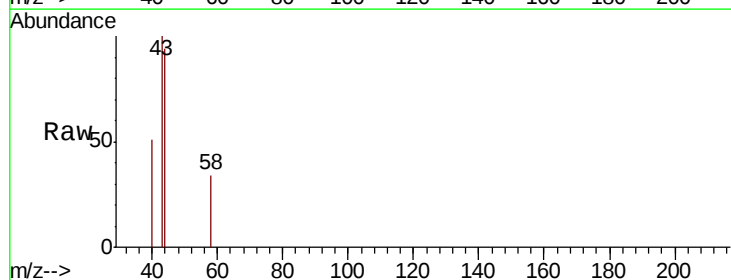
Acq: 1 Oct 2019 10:44

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 18.8 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

600

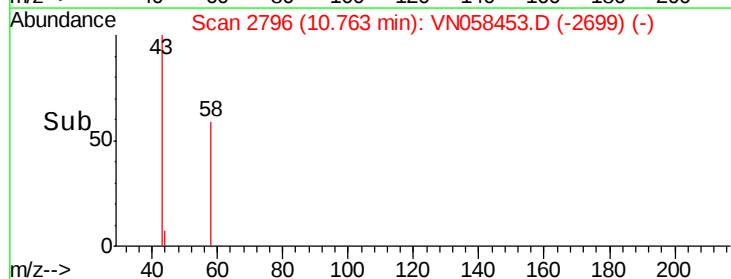
400

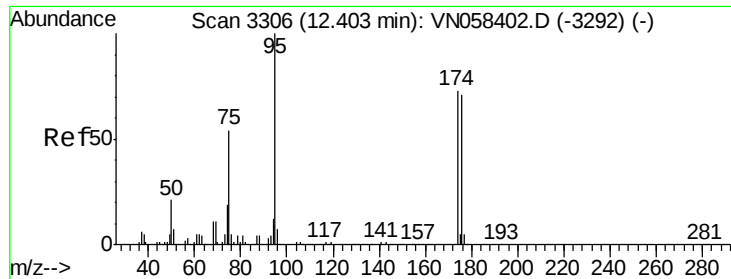
200

0

Time-->

10.75 10.80

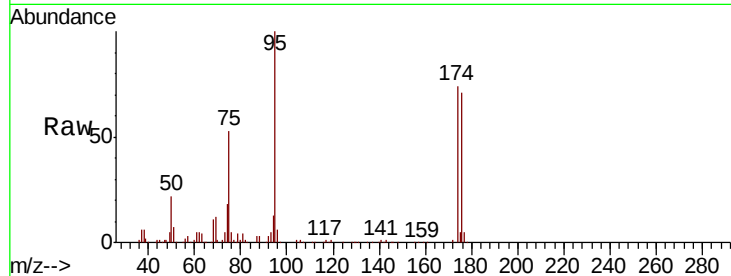




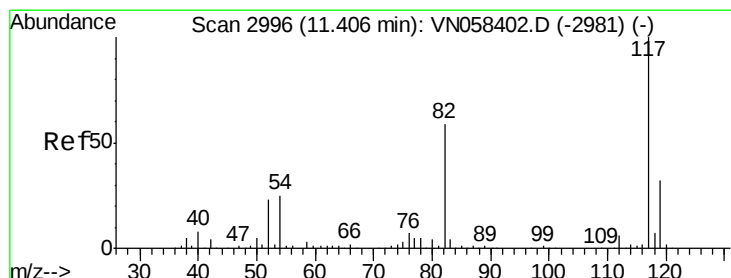
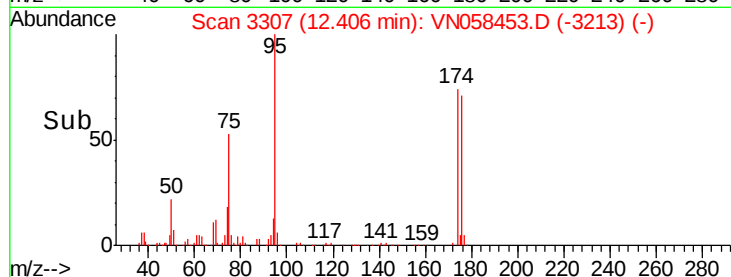
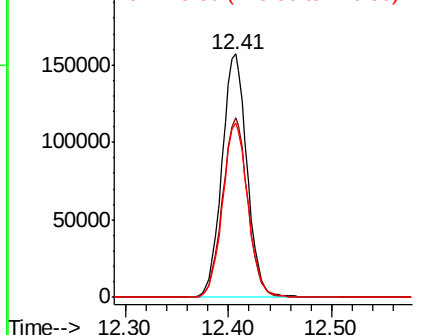
#62
4-Bromofluorobenzene
Concen: 45.053 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL01

Tot Ion: 95 Resp: 265677
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.6
176 71.9 0.0 146.2

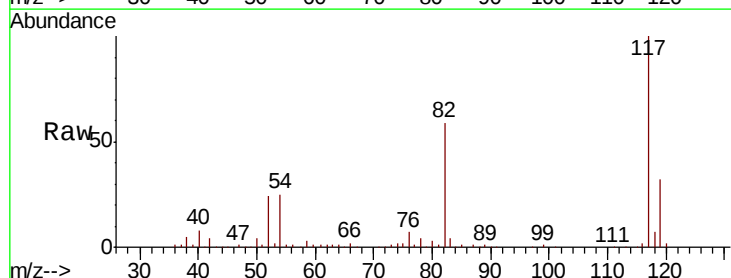


Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)
Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)
Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

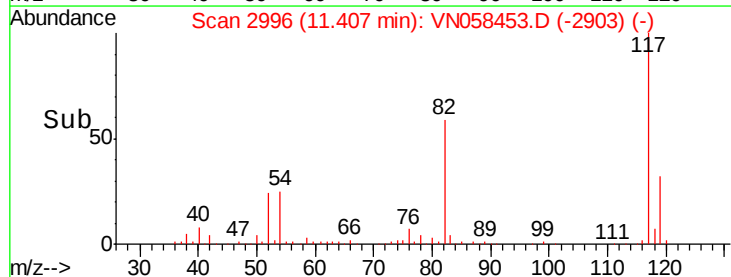
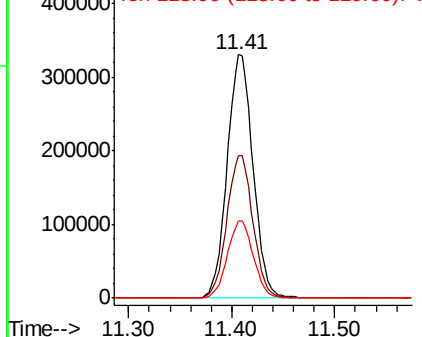


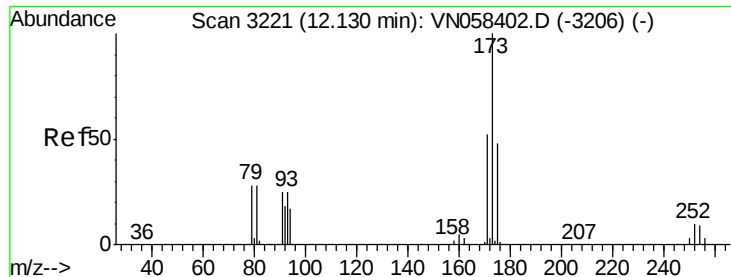
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058453.D
Acq: 1 Oct 2019 10:44

Tgt Ion: 117 Resp: 578798
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.0
119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#71

Bromoform

Concen: 1.032 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

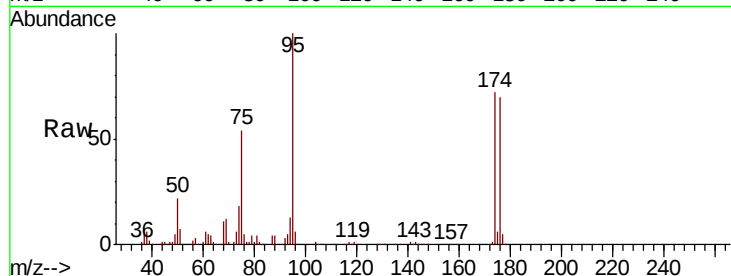
Tot Ion:173 Resp: 916

Ion Ratio Lower Upper

173 100

175 1371.1 24.3 73.0#

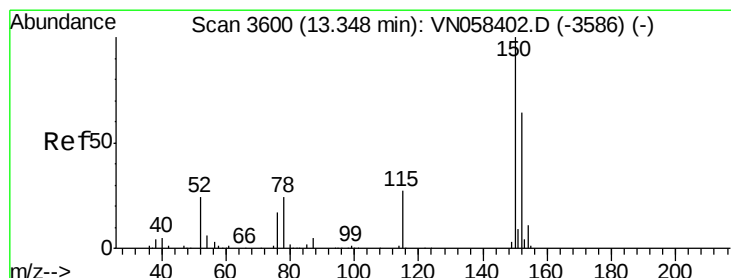
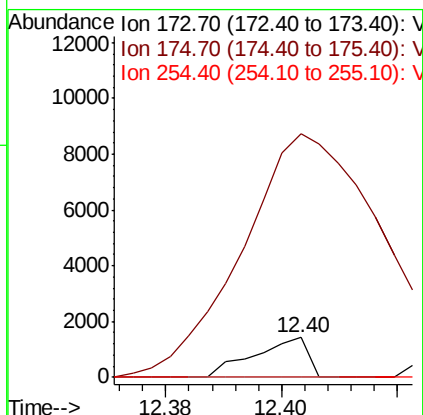
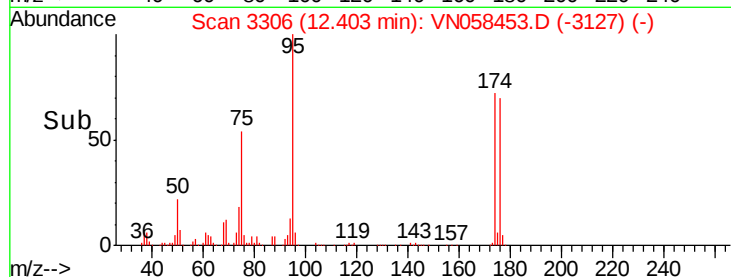
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

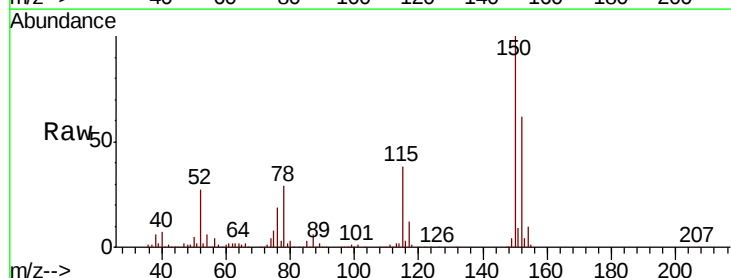
Tgt Ion:152 Resp: 222179

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

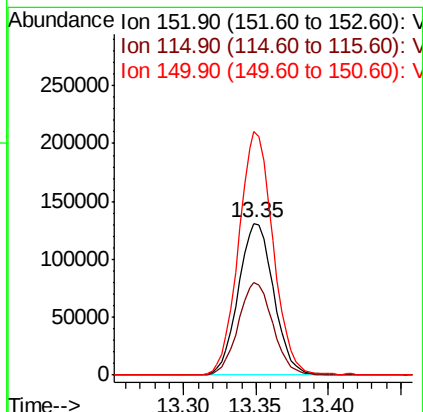
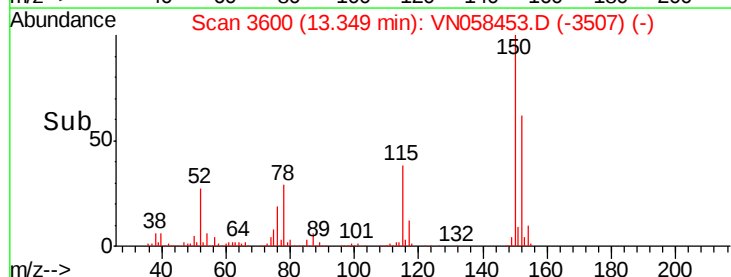
150 156.1 0.0 348.2

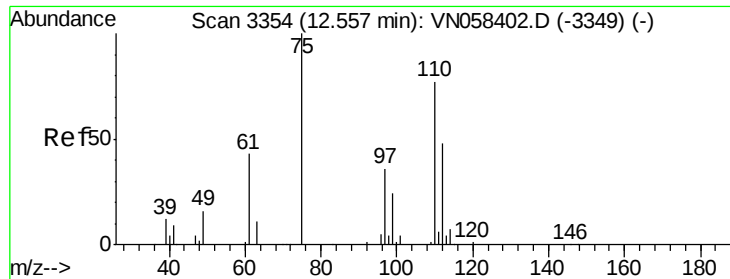


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.353 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

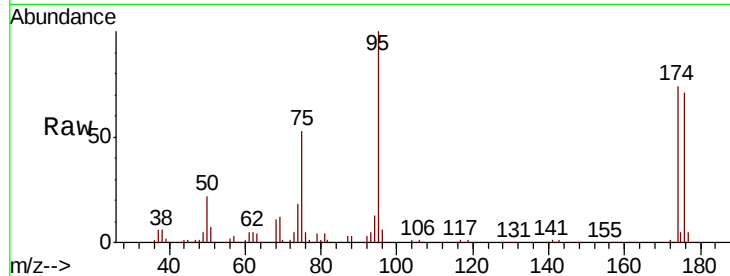
VN1001WBL01

Tot Ion: 75 Resp: 143466

Ion Ratio Lower Upper

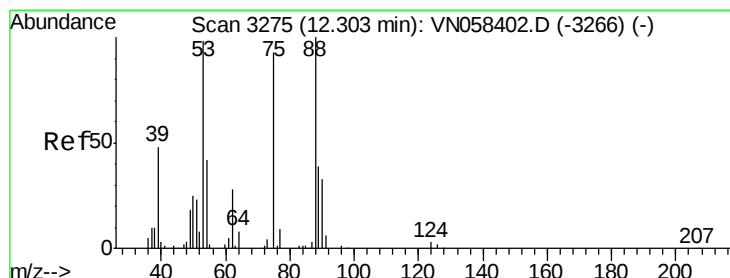
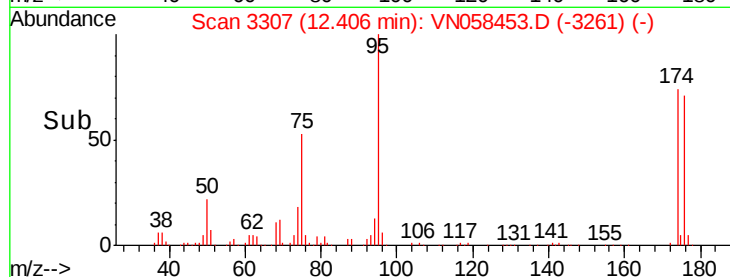
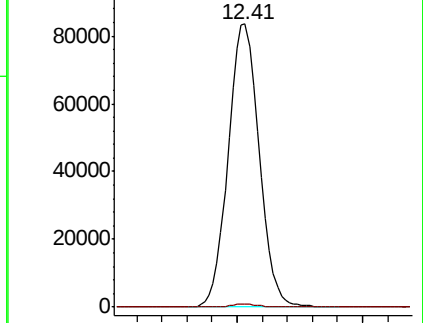
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 107.371 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

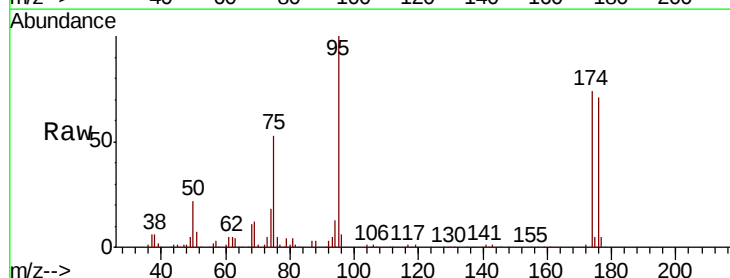
Tgt Ion: 75 Resp: 143466

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

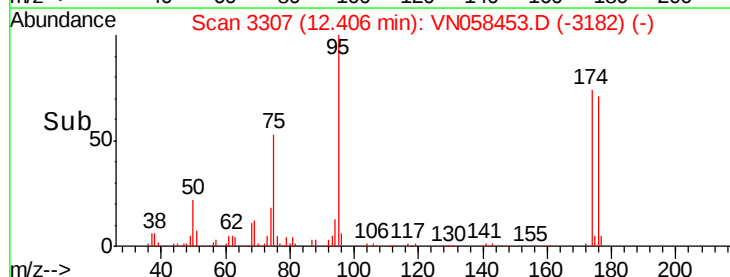
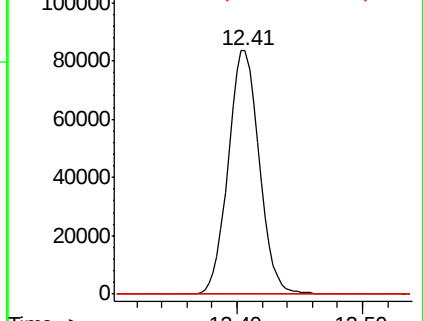
89 0.0 35.0 52.4#

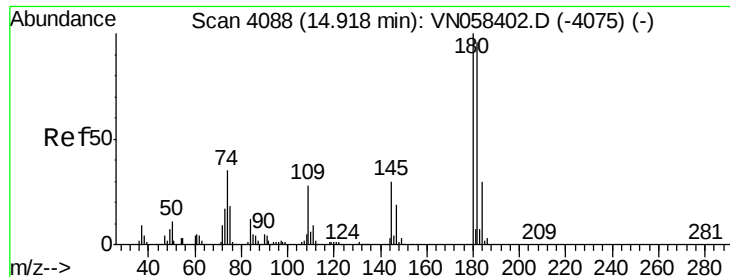


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2,4-Trichlorobenzene

Concen: 0.276 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

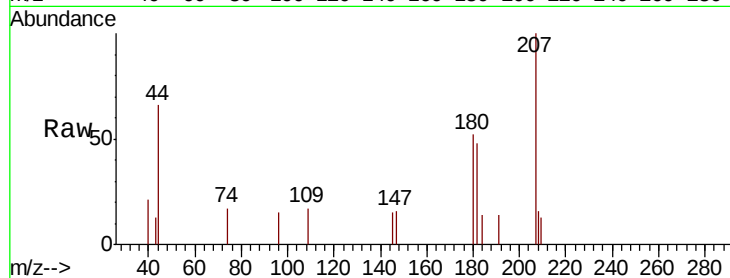
Tot Ion:180 Resp: 1023

Ion Ratio Lower Upper

180 100

182 103.5 47.4 142.3

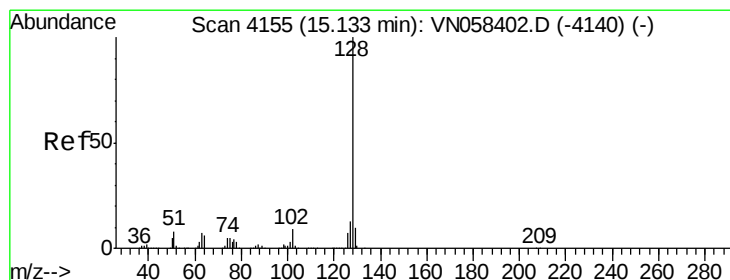
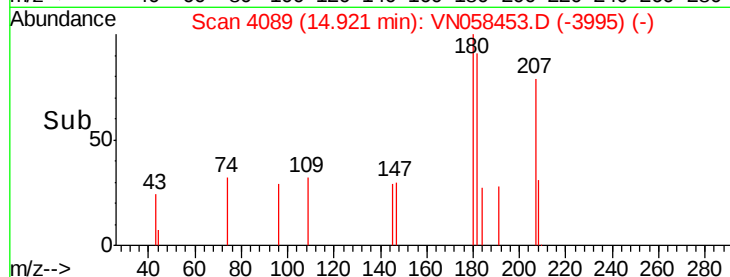
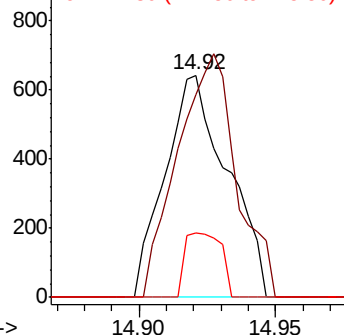
145 16.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.500 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058453.D

Acq: 1 Oct 2019 10:44

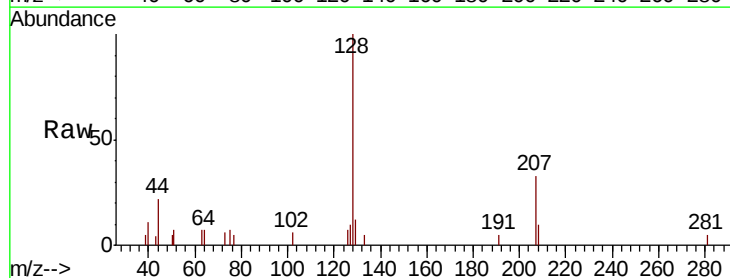
Tgt Ion:128 Resp: 5744

Ion Ratio Lower Upper

128 100

127 6.7 10.2 15.4#

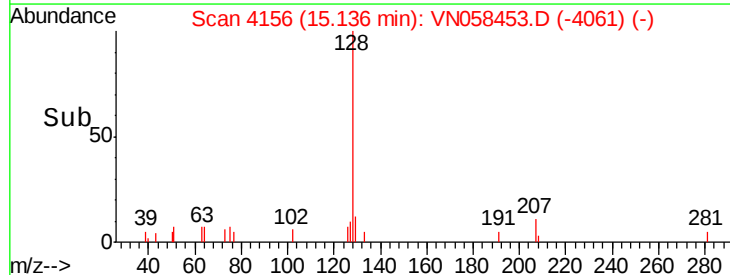
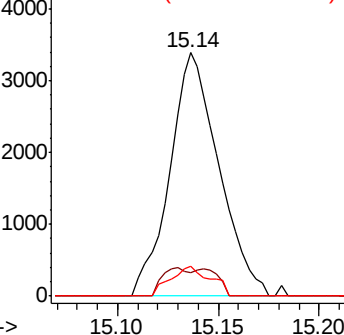
129 9.9 8.3 12.5

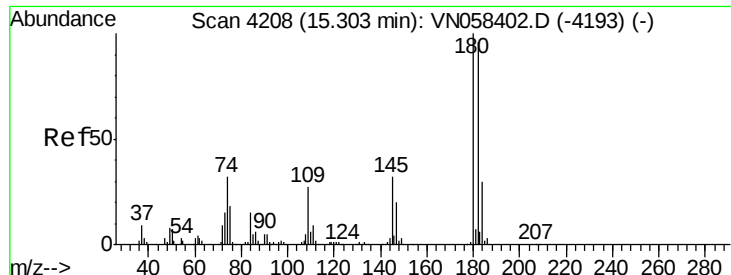


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.350 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058453.D
 Acq: 1 Oct 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	48.3	144.9
145	17.2	16.1	48.3

