

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058421.D
 Acq On : 30 Sep 2019 10:02
 Operator : JC/SP
 Sample : VN0930WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:28:51 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	465676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	748396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331031	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.57	113	235246	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.08	98	935995	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.41	95	297362	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

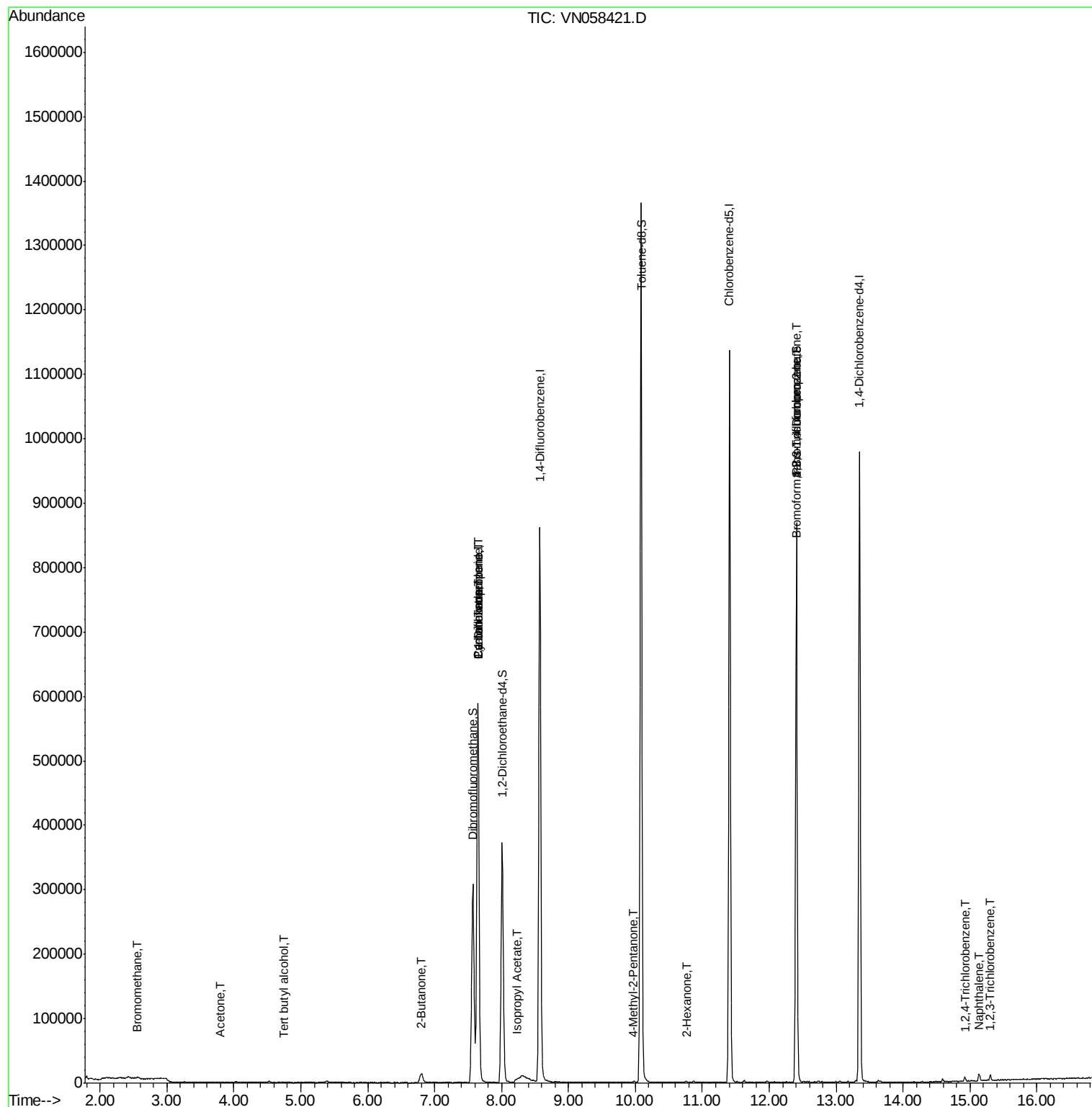
					Qvalue	
5) Bromomethane	2.56	94	795	0.272	ug/l	90
11) Tert butyl alcohol	4.75	59	279	0.369	ug/l #	71
16) Acetone	3.79	43	852	0.367	ug/l #	74
25) 2-Butanone	6.80	43	918	0.288	ug/l #	50
31) Cyclohexane	7.64	56	11327	1.203	ug/l #	12
36) 1,1-Dichloropropene	7.65	75	39432	5.510	ug/l #	51
38) Carbon Tetrachloride	7.65	117	47039	7.282	ug/l #	16
43) Isopropyl Acetate	8.22	43	3909	0.343	ug/l #	63
51) 4-Methyl-2-Pentanone	9.98	43	1467	0.250	ug/l #	77
59) 2-Hexanone	10.76	43	2586	0.606	ug/l	70
71) Bromoform	12.39	173	361	0.818	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	162581	35.591	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	162581	108.094	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	2157	0.517	ug/l	89
95) Naphthalene	15.14	128	9773	0.771	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	2914	0.672	ug/l	89

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

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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# 1827

Delta R.T. -0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

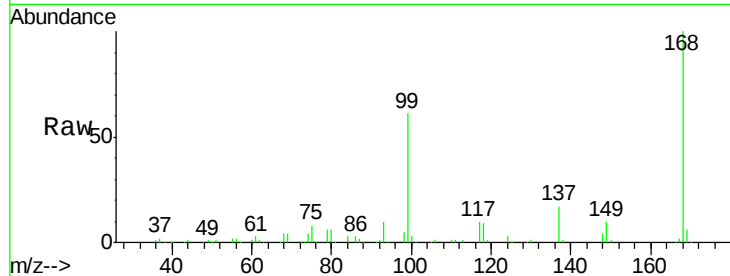
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 465676

Ion Ratio Lower Upper

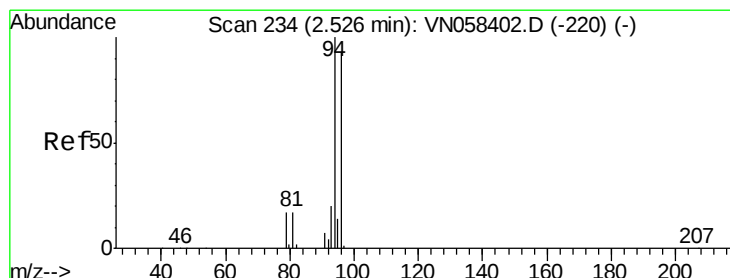
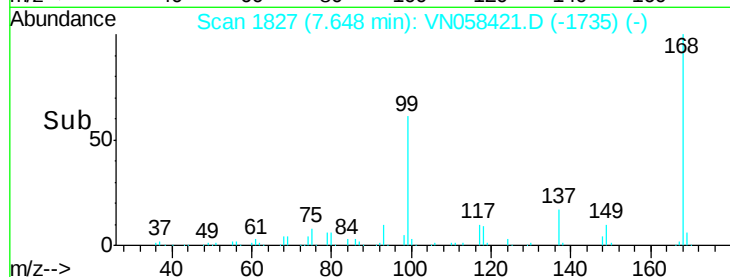
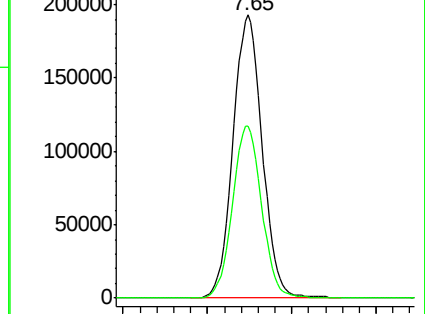
168 100

99 60.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.272 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058421.D

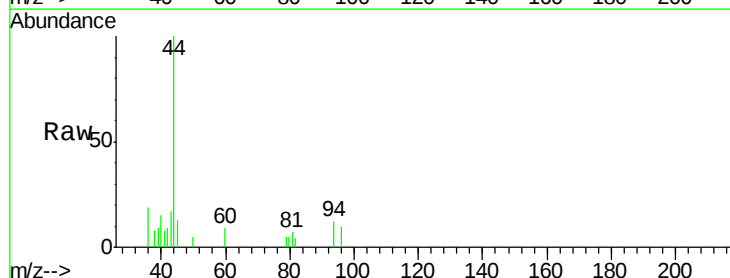
Acq: 30 Sep 2019 10:02

Tgt Ion: 94 Resp: 795

Ion Ratio Lower Upper

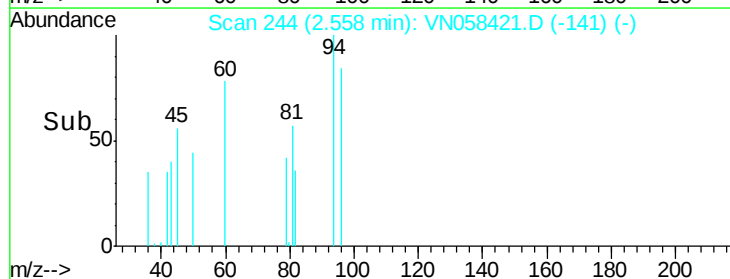
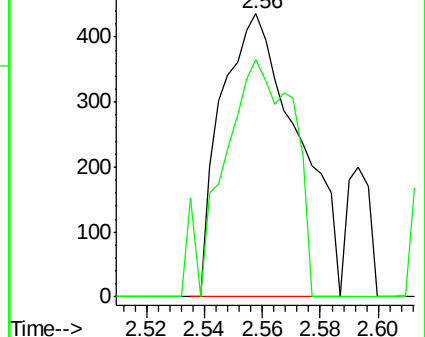
94 100

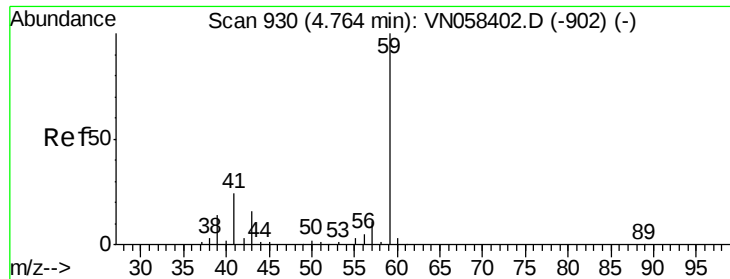
96 83.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

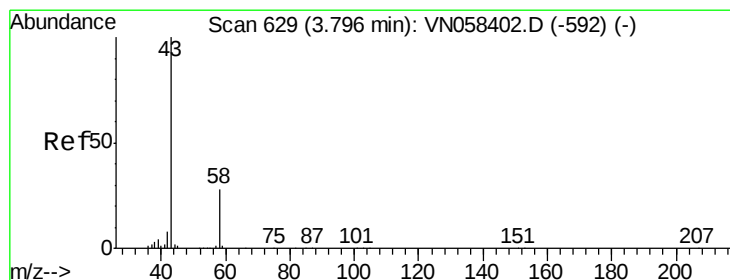
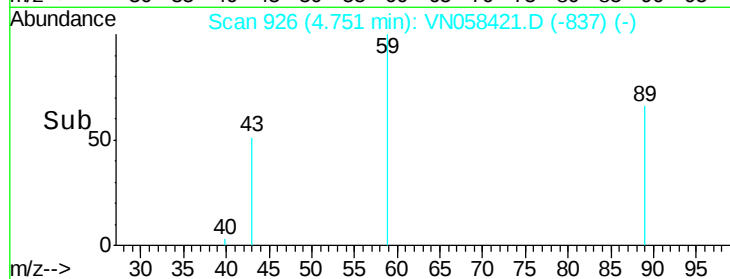
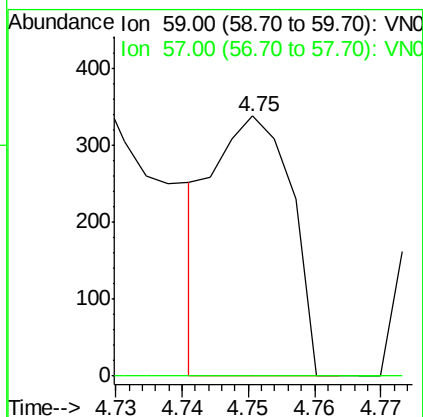
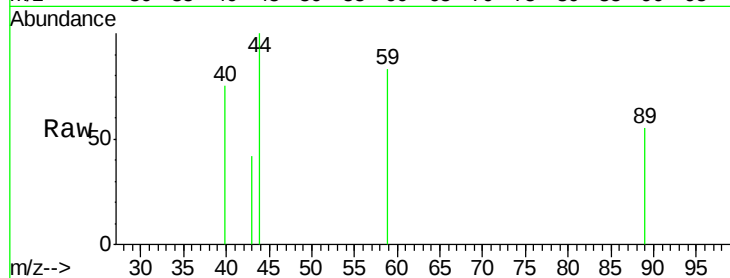




#11
Tert butyl alcohol
Concen: 0.369 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

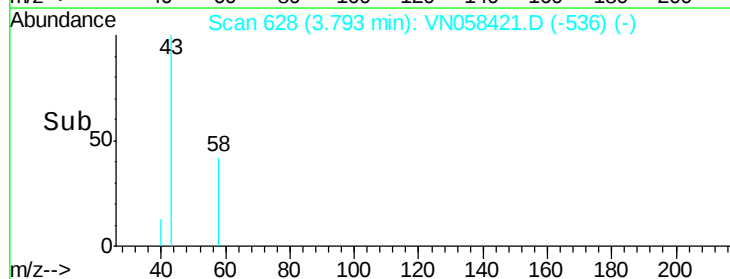
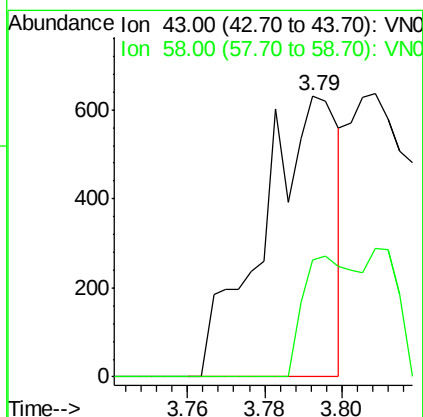
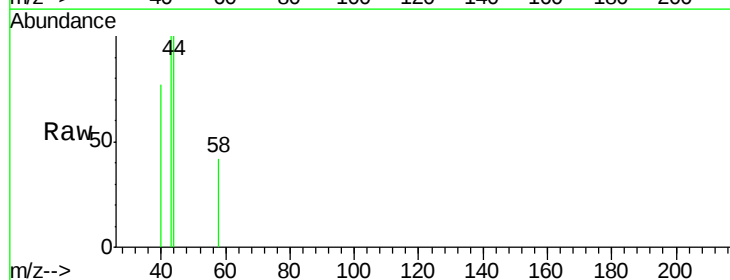
Instrument :
MSVOA_N
ClientSampled :

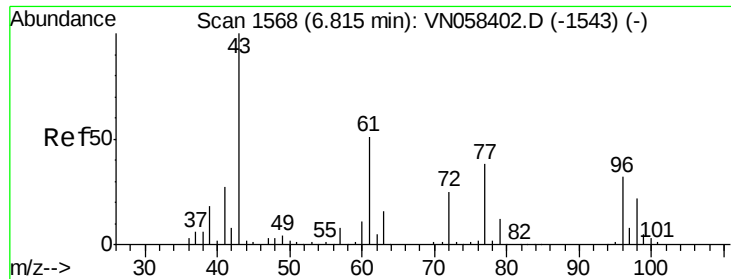
Tot Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 0.367 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 41.7 22.4 33.6#





#25

2-Butanone

Concen: 0.288 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.02 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

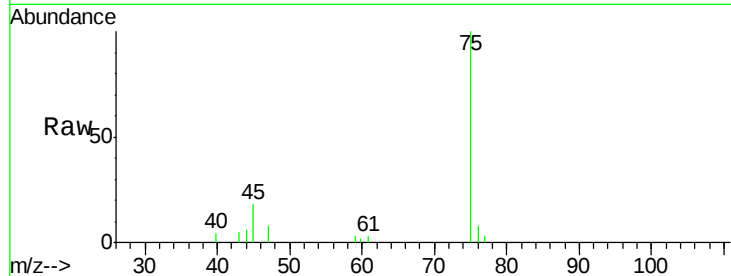
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 918

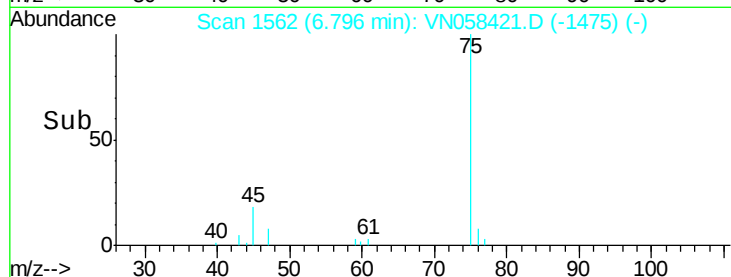
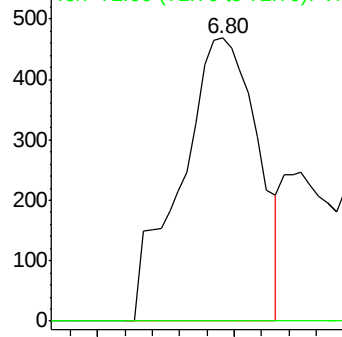
Ion Ratio Lower Upper

43 100

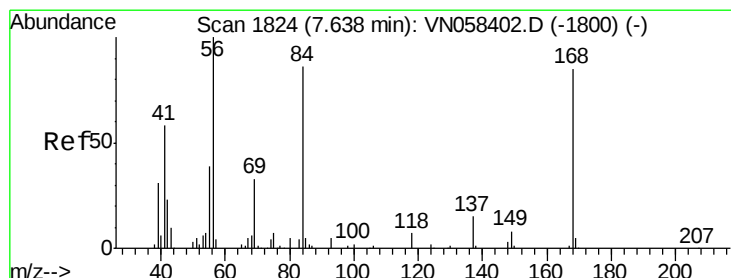
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO



Time-->



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

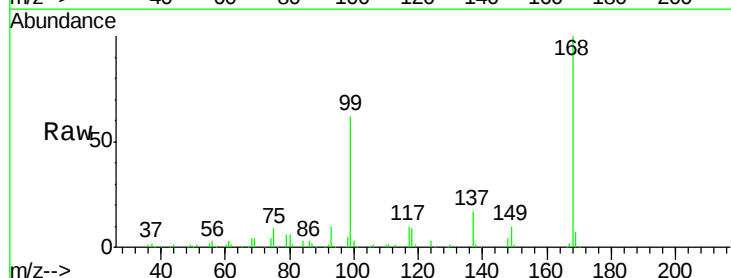
Tgt Ion: 56 Resp: 11327

Ion Ratio Lower Upper

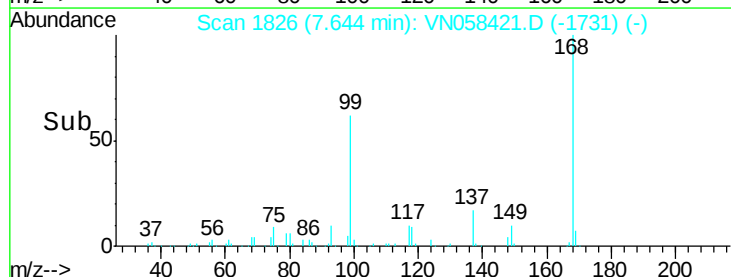
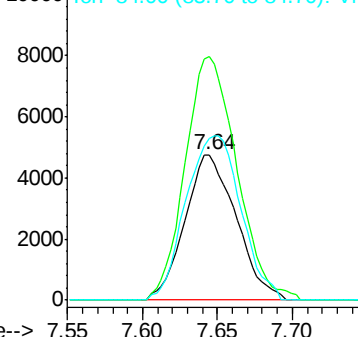
56 100

69 167.4 26.2 39.4#

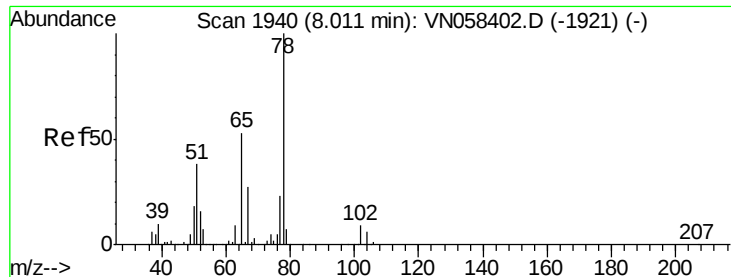
84 111.0 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.645 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

Instrument :

MSVOA_N

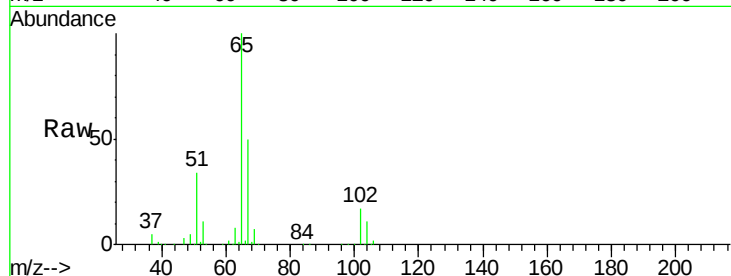
ClientSampleId :

Tot Ion: 65 Resp: 331031

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058421.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058421.D (-1921) (-)

8.01

150000

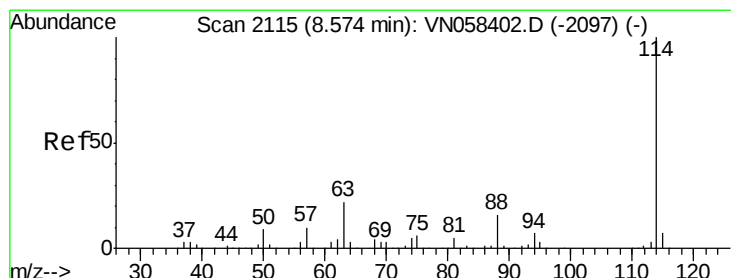
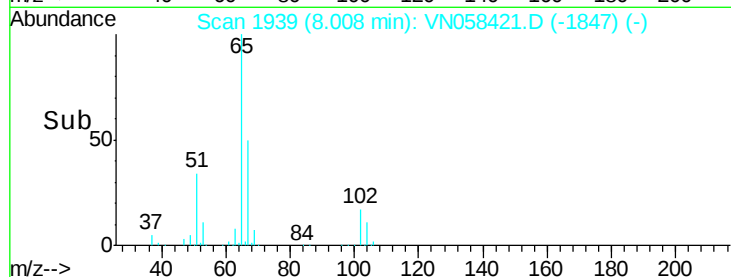
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

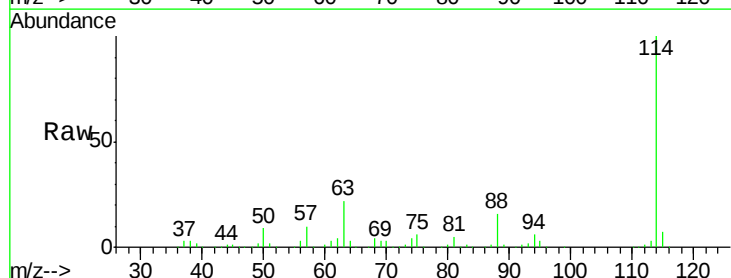
Tgt Ion: 114 Resp: 748396

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058421.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058421.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058421.D (-2097) (-)

8.57

500000

400000

300000

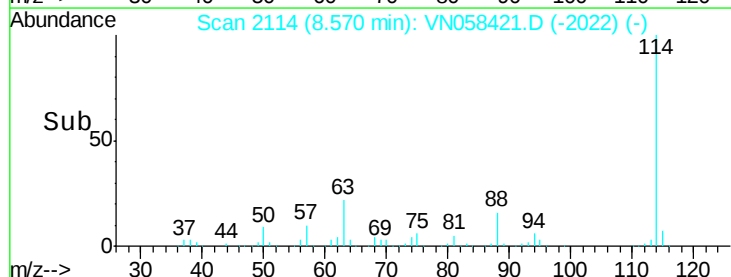
200000

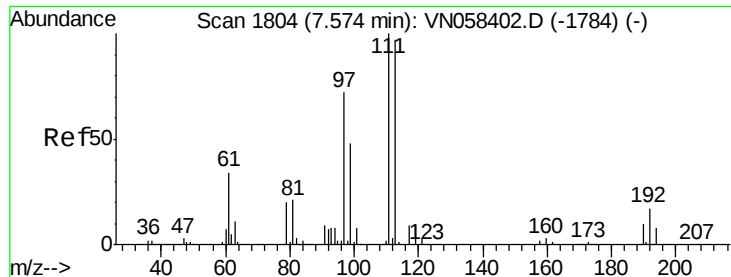
100000

0

8.50 8.60 8.70

Time-->

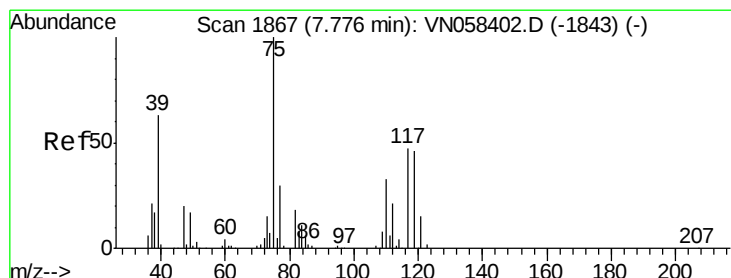
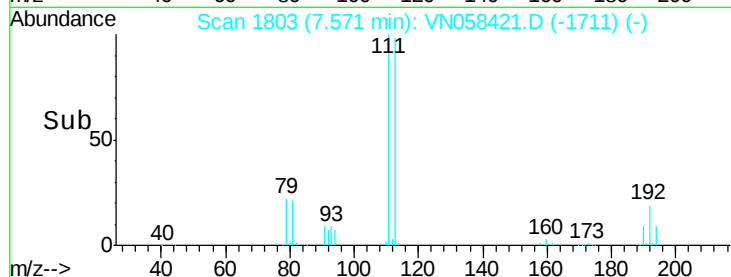
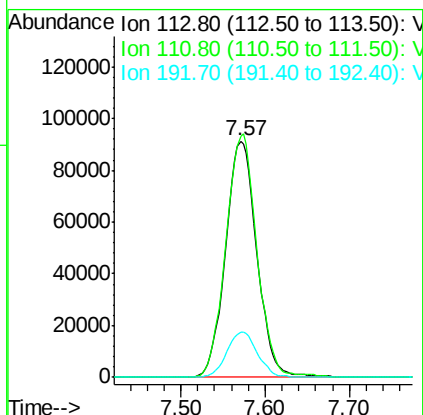
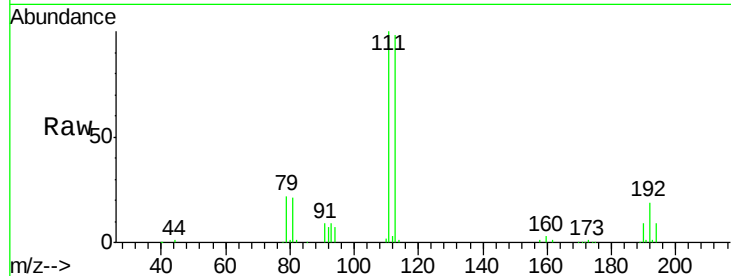




#35
Dibromofluoromethane
Concen: 51.287 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

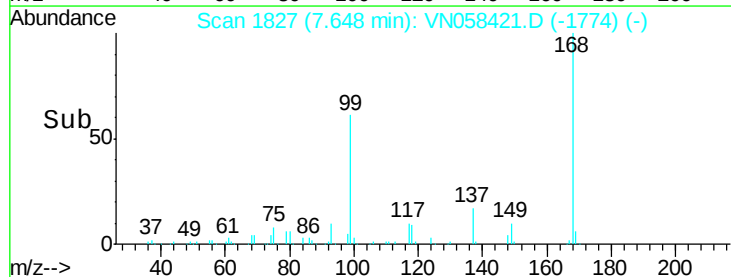
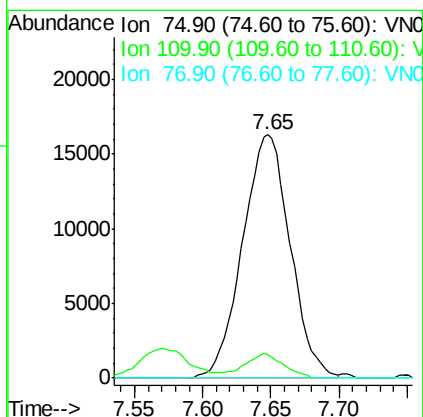
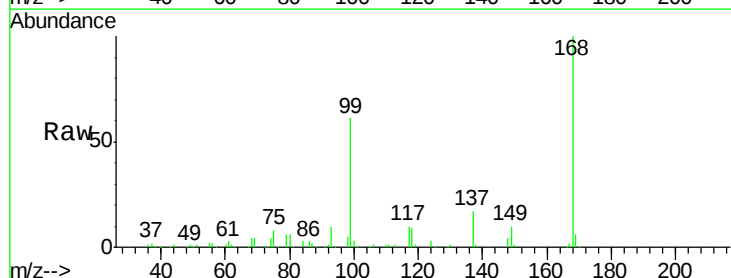
Instrument :
MSVOA_N
ClientSampleId :

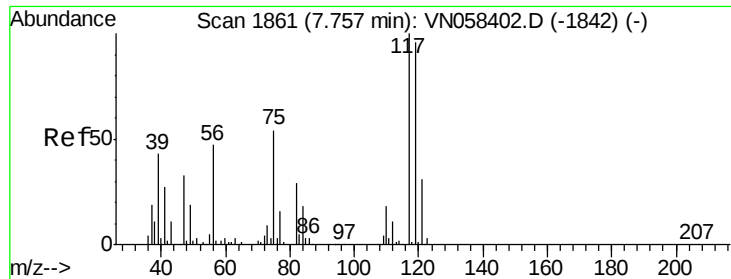
Tot Ion:113 Resp: 235246
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 18.7 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.510 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion: 75 Resp: 39432
Ion Ratio Lower Upper
75 100
110 8.2 16.4 49.2#
77 0.0 24.3 36.5#

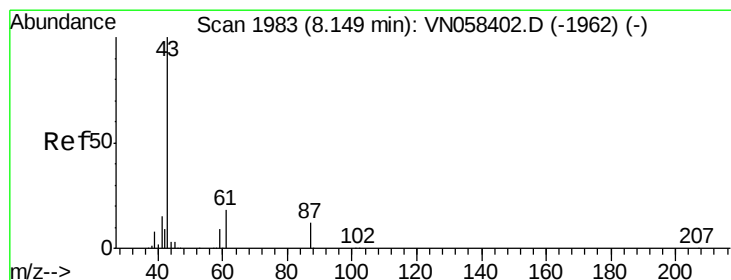
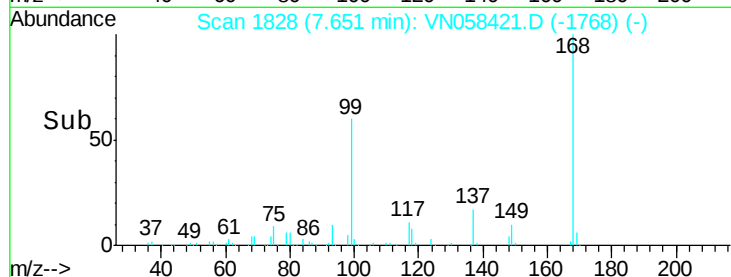
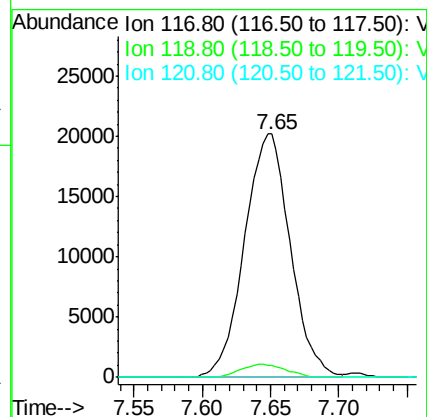
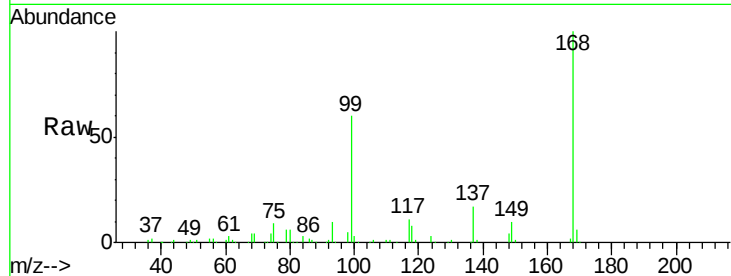




#38
Carbon Tetrachloride
Concen: 7.282 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

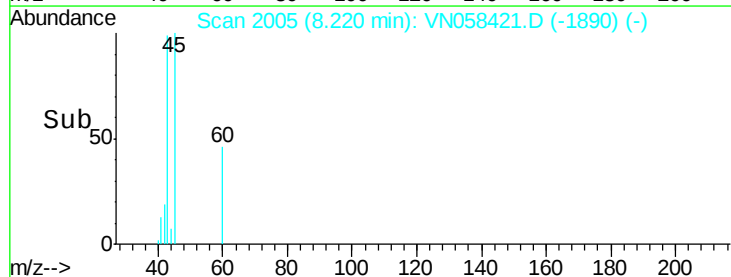
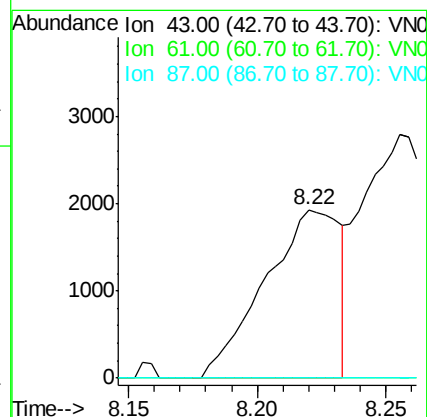
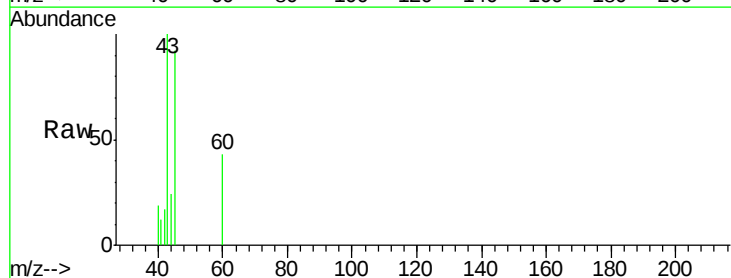
Instrument :
MSVOA_N
ClientSampled :

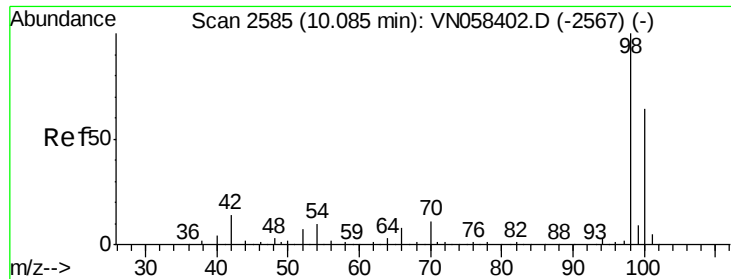
Tot Ion:117 Resp: 47039
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.343 ug/l
RT: 8.22 min Scan# 2005
Delta R.T. 0.07 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion: 43 Resp: 3909
Ion Ratio Lower Upper
43 100
61 0.0 14.8 22.2#
87 0.0 9.7 14.5#





#50

Toluene-d8

Concen: 52.091 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

Instrument :

MSVOA_N

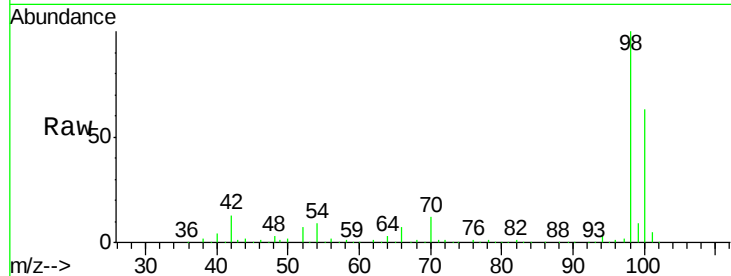
ClientSampled :

Tot Ion: 98 Resp: 935995

Ion Ratio Lower Upper

98 100

100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.08

500000

400000

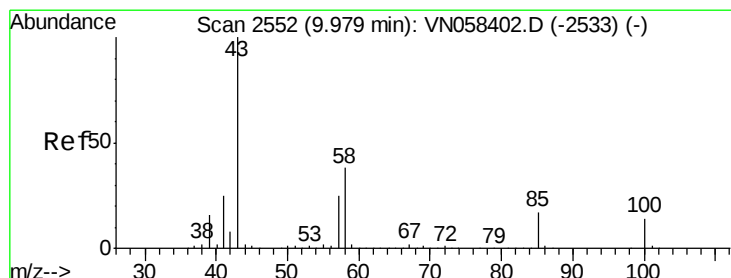
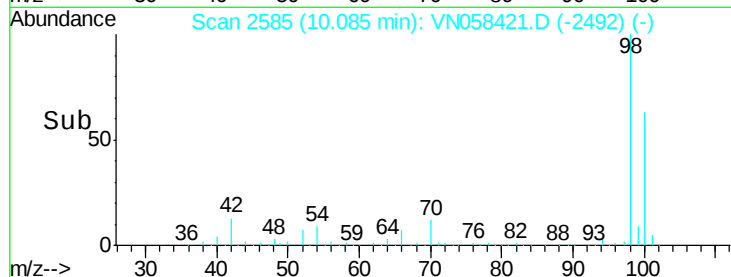
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.250 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058421.D

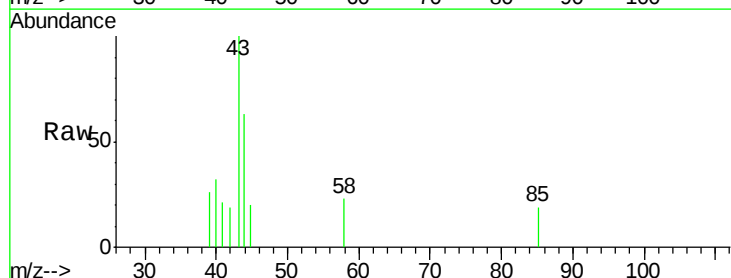
Acq: 30 Sep 2019 10:02

Tgt Ion: 43 Resp: 1467

Ion Ratio Lower Upper

43 100

58 23.7 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

9.98

1000

800

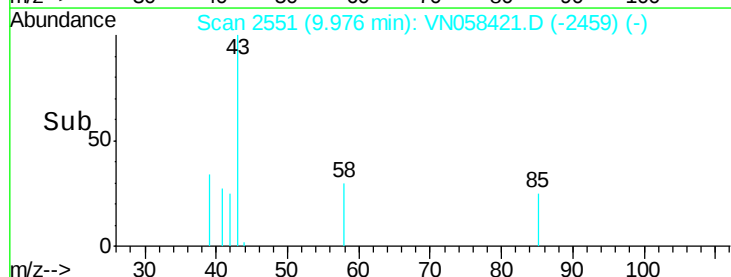
600

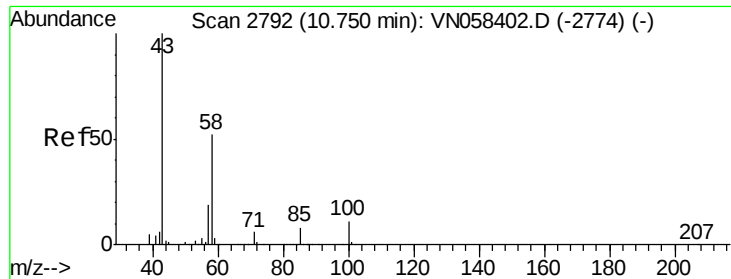
400

200

0

Time-->

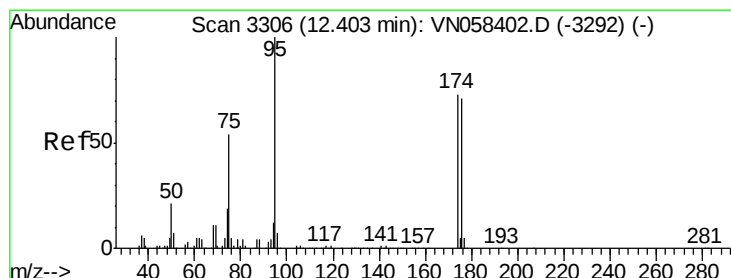
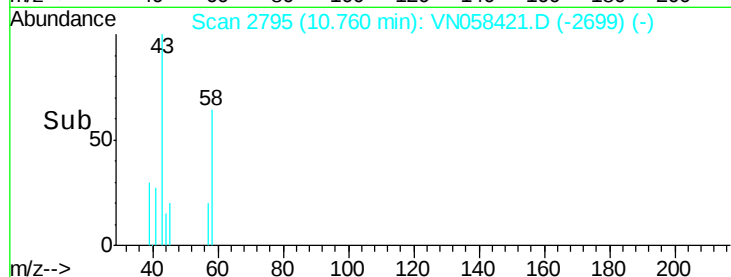
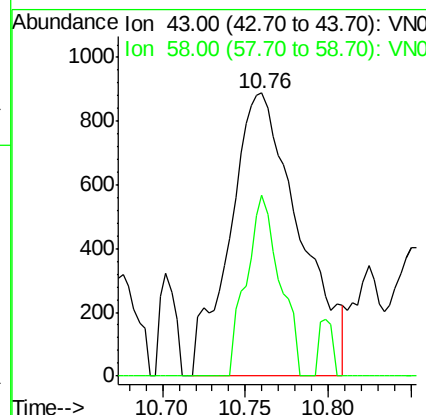
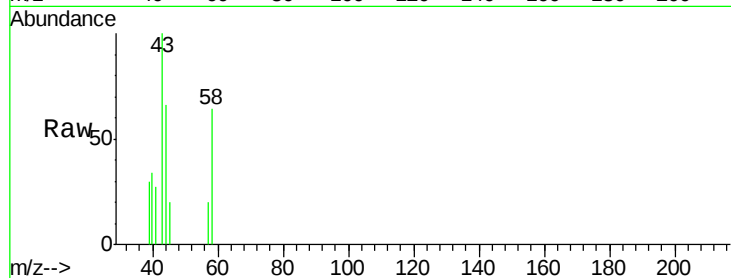




#59
2-Hexanone
Concen: 0.606 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

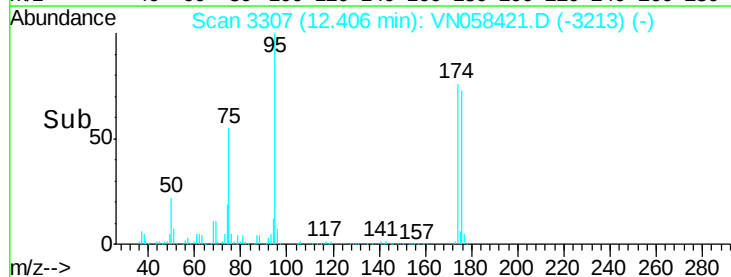
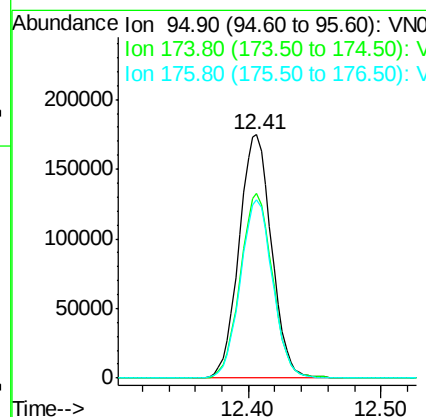
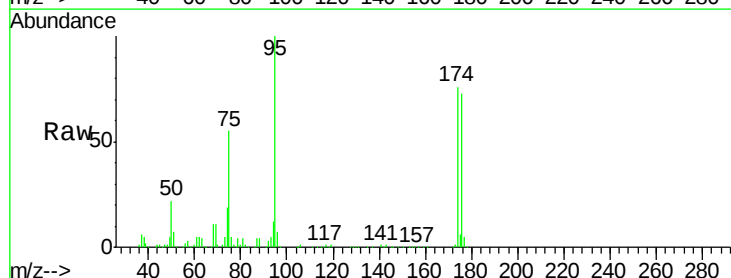
Instrument :
MSVOA_N
ClientSampled :

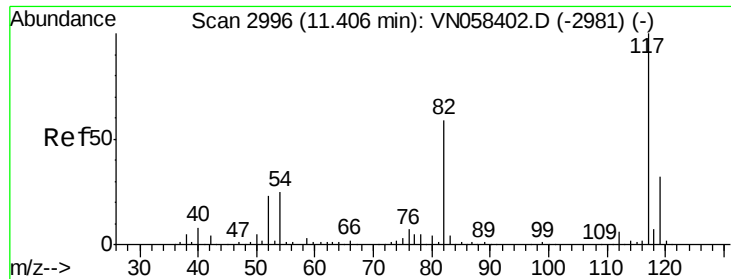
Tot Ion: 43 Resp: 2586
Ion Ratio Lower Upper
43 100
58 30.6 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 45.768 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion: 95 Resp: 297362
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.6
176 72.9 0.0 146.2

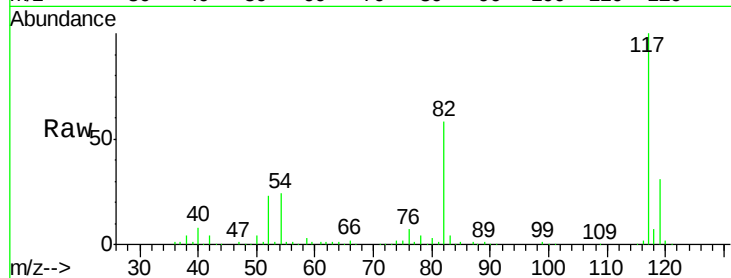




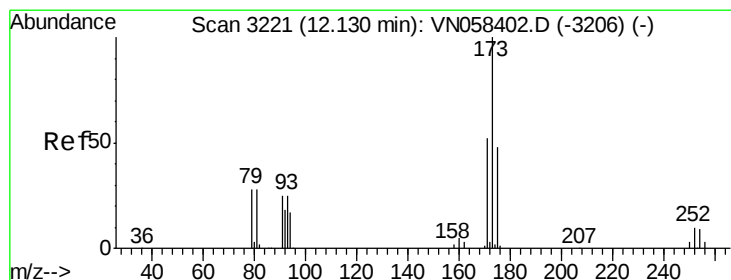
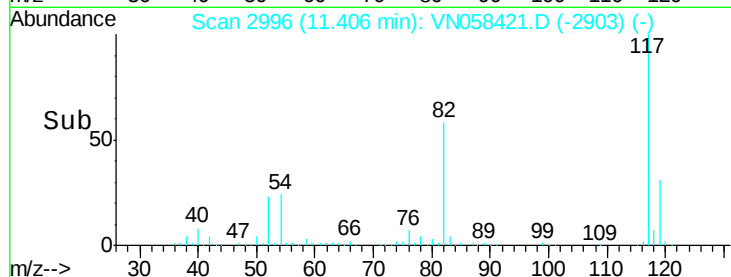
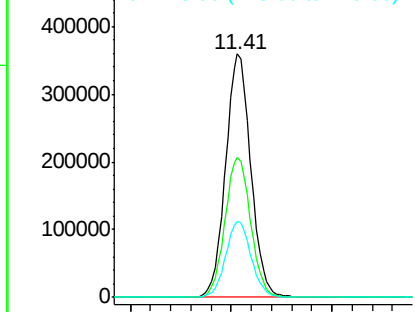
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 626429
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 31.2 25.5 38.3

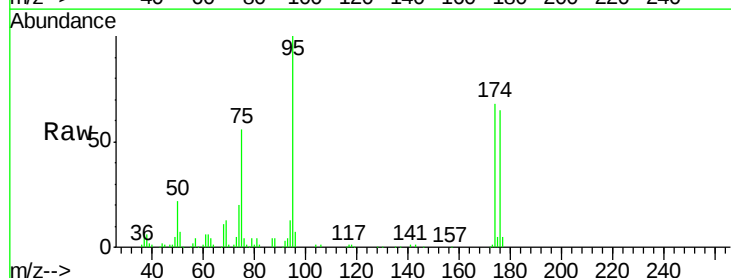


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

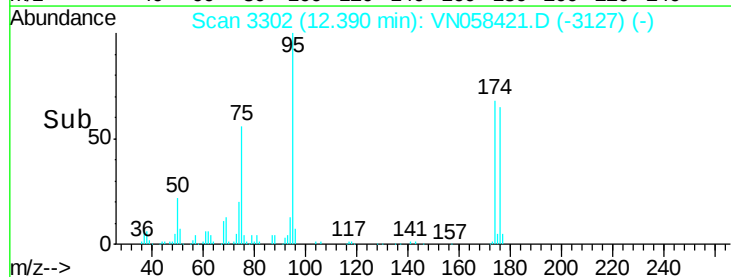
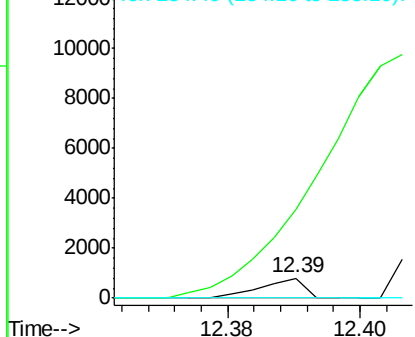


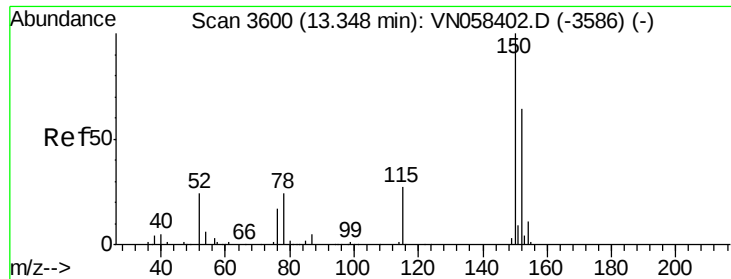
#71
Bromoform
Concen: 0.818 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion:173 Resp: 361
Ion Ratio Lower Upper
173 100
175 0.0 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



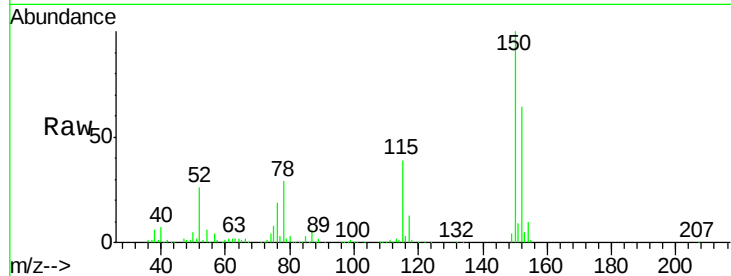


#72

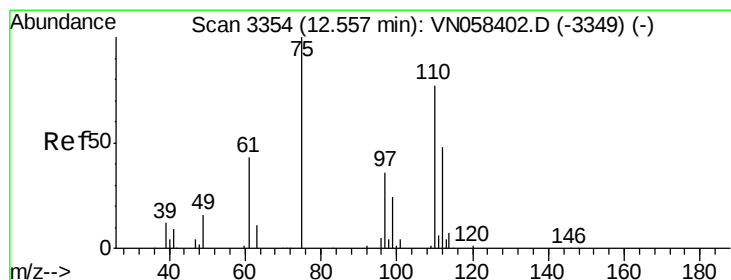
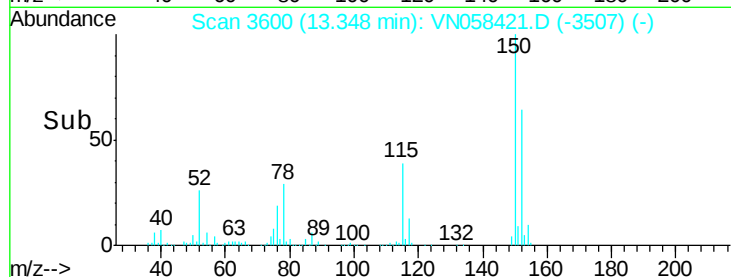
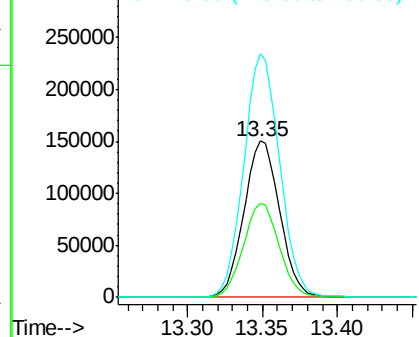
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.0	90.0
150	156.8	0.0	348.2



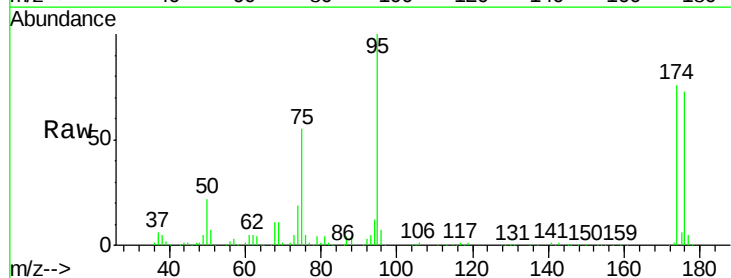
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



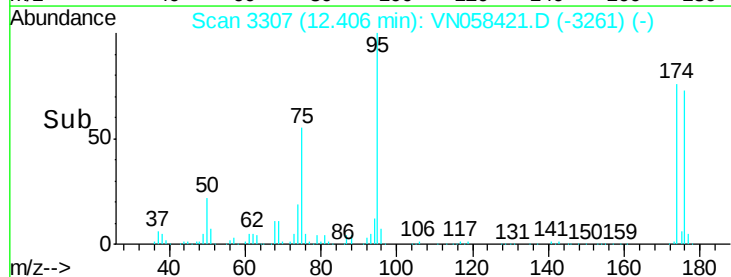
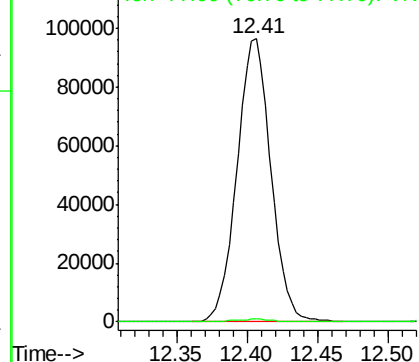
#76

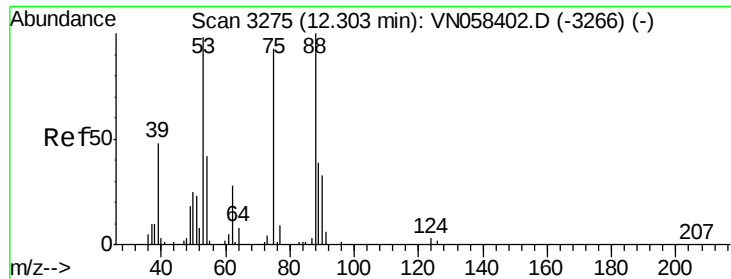
1,2,3-Trichloropropane
Concen: 35.591 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058421.D
Acq: 30 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	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: 108.094 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

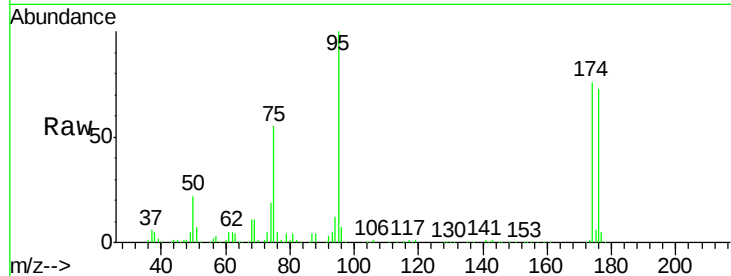
Tot Ion: 75 Resp: 162581

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

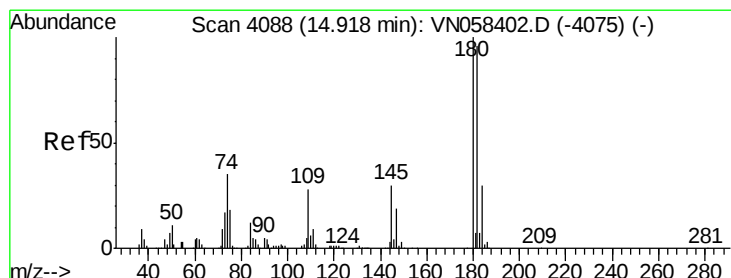
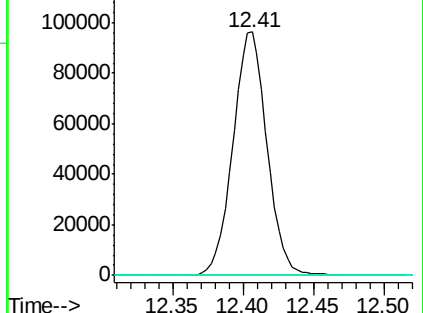
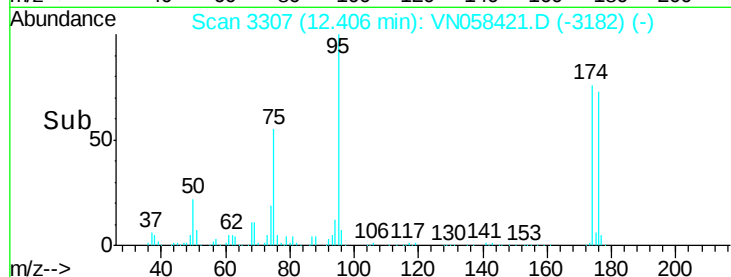
89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN058421.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058421.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058421.D (-3182) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.517 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

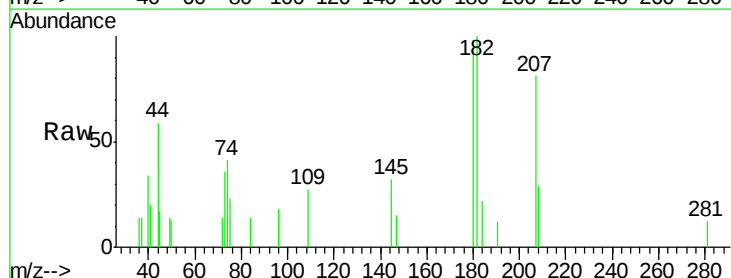
Tgt Ion: 180 Resp: 2157

Ion Ratio Lower Upper

180 100

182 107.6 47.4 142.3

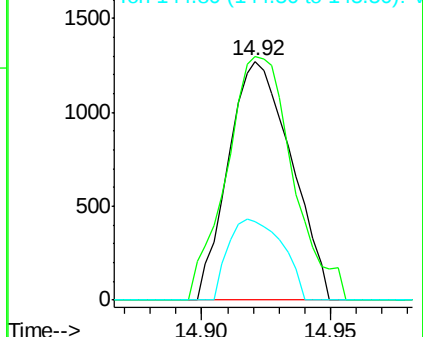
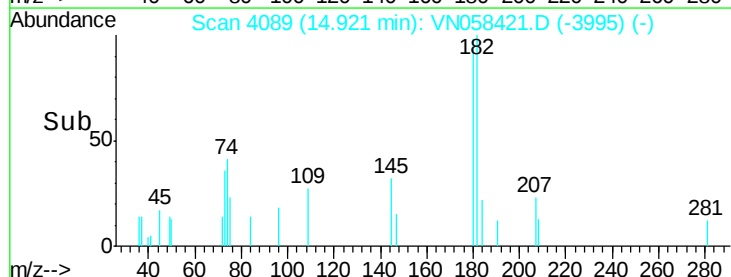
145 29.2 15.3 45.9

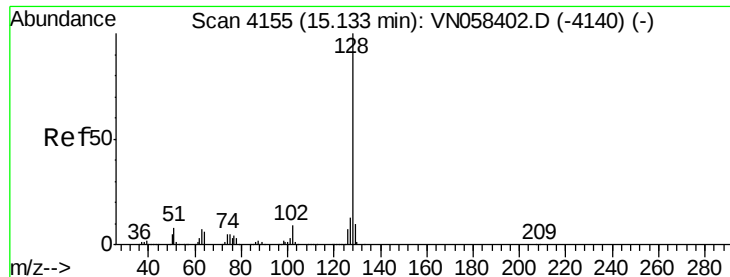


Abundance Ion 179.80 (179.50 to 180.50): VN058421.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058421.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058421.D (-3995) (-)





#95

Naphthalene

Concen: 0.771 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

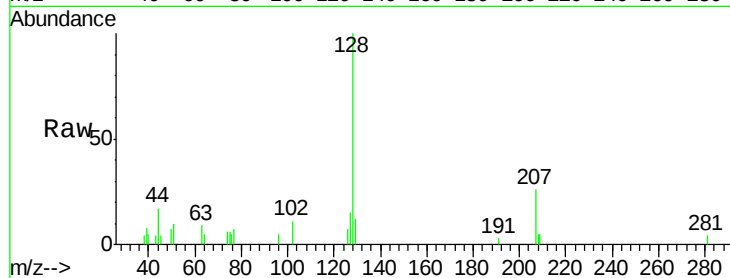
Tot Ion:128 Resp: 9773

Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.4#

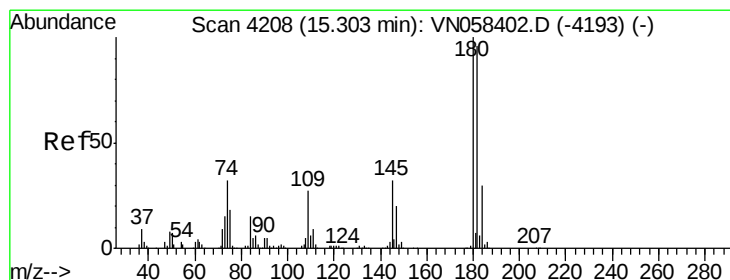
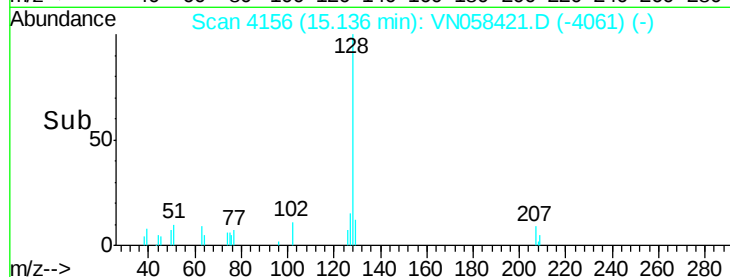
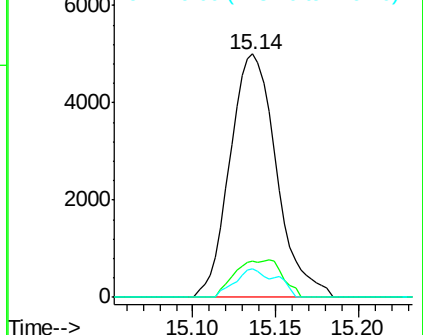
129 7.7 8.3 12.5#



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: 0.672 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058421.D

Acq: 30 Sep 2019 10:02

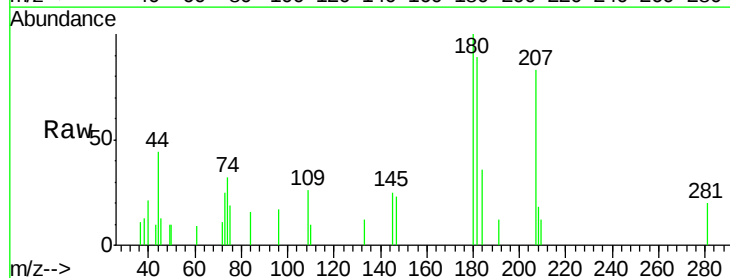
Tgt Ion:180 Resp: 2914

Ion Ratio Lower Upper

180 100

182 87.0 48.3 144.9

145 25.0 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

