

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058406.D
 Acq On : 27 Sep 2019 14:39
 Operator : JC/SP
 Sample : VN0927WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

Quant Time: Sep 28 00:03:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	458772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	786396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	681318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286840	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	345885	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	7.57	113	240425	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	10.09	98	945046	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.41	95	314750	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

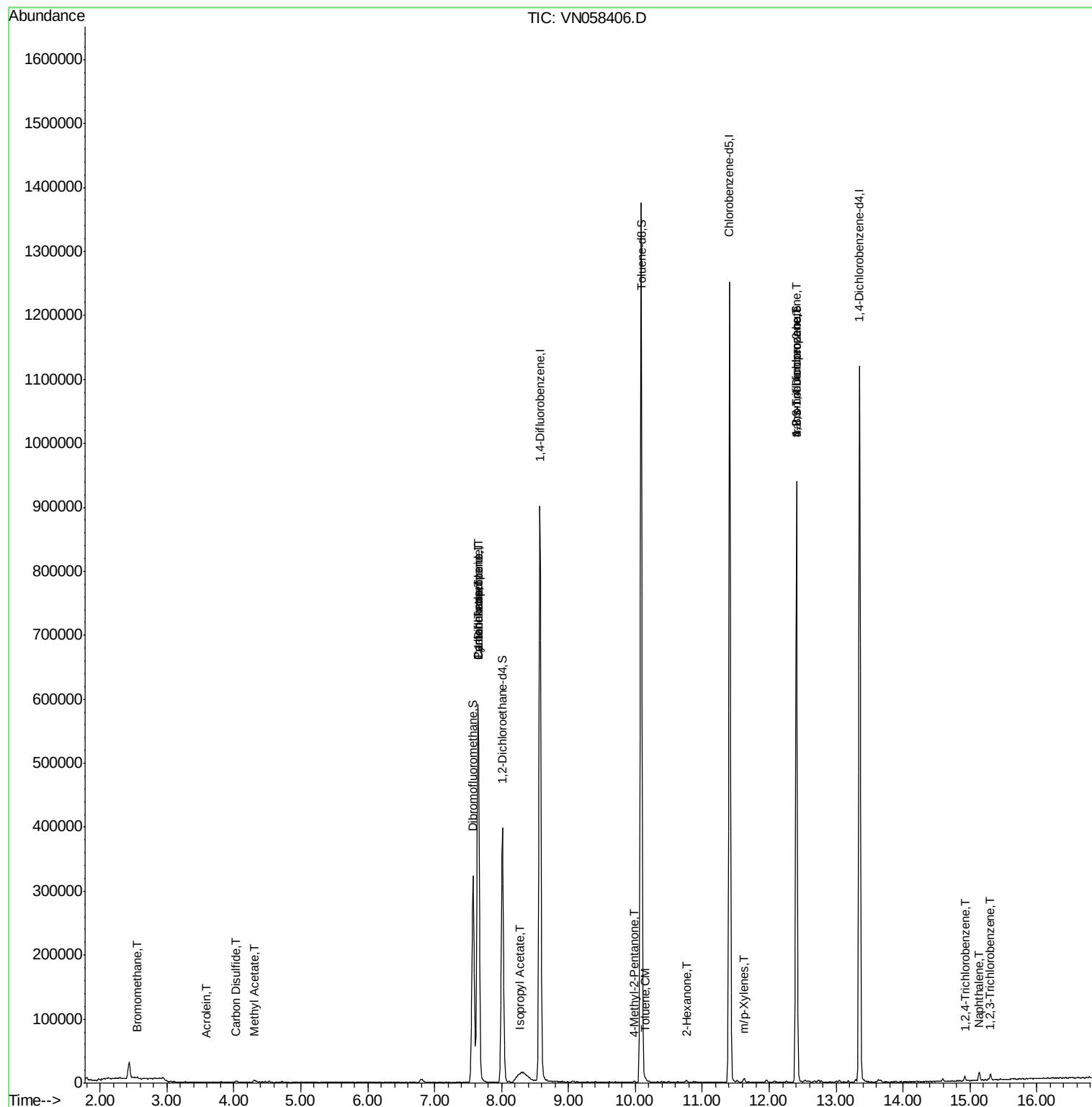
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	865	0.421	ug/l	95
13) Acrolein	3.59	56	59	0.443	ug/l #	13
17) Carbon Disulfide	4.04	76	3704	0.599	ug/l #	93
18) Methyl Acetate	4.30	43	5277	0.918	ug/l #	60
31) Cyclohexane	7.65	56	11608	1.692	ug/l #	16
36) 1,1-Dichloropropene	7.65	75	38544	6.343	ug/l #	52
38) Carbon Tetrachloride	7.65	117	46565	7.802	ug/l #	16
43) Isopropyl Acetate	8.26	43	15915	1.422	ug/l #	63
51) 4-Methyl-2-Pentanone	9.99	43	2859	0.486	ug/l #	55
52) Toluene	10.15	92	2460	0.217	ug/l	84
59) 2-Hexanone	10.75	43	1529	0.351	ug/l	95
68) m/p-Xylenes	11.62	106	1958	0.243	ug/l	86
76) 1,2,3-Trichloropropane	12.41	75	172935	33.212	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	172935	107.976	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	2394	0.456	ug/l	97
95) Naphthalene	15.14	128	11142	0.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	2846	0.577	ug/l	92

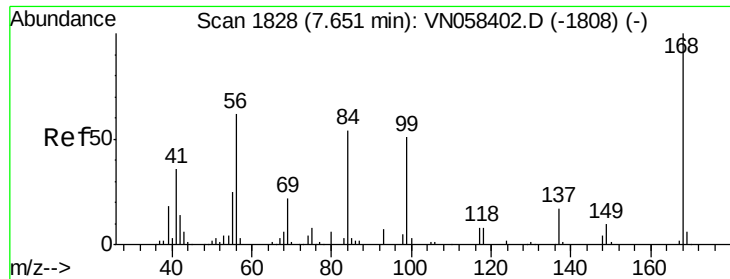
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

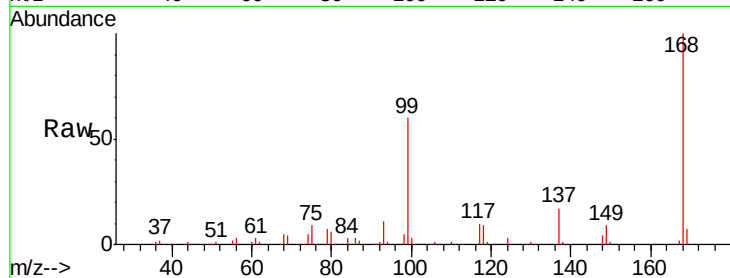
VN0927WBL01

Tgt Ion: 168 Resp: 458772

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

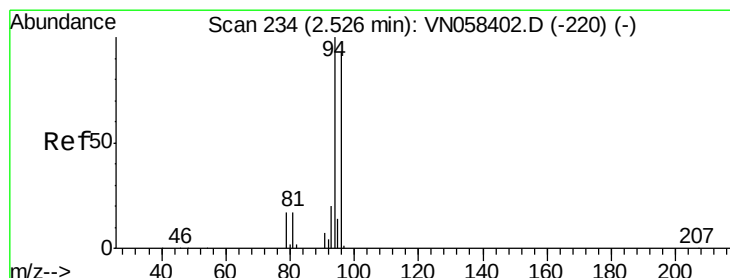
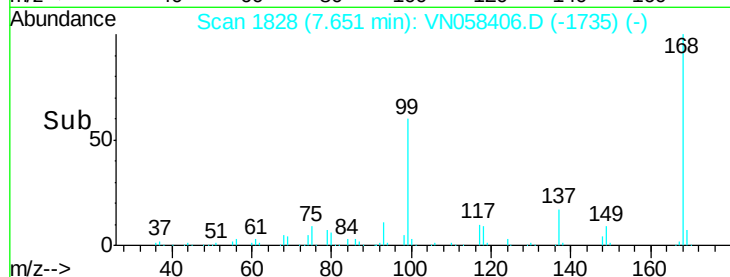
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.421 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058406.D

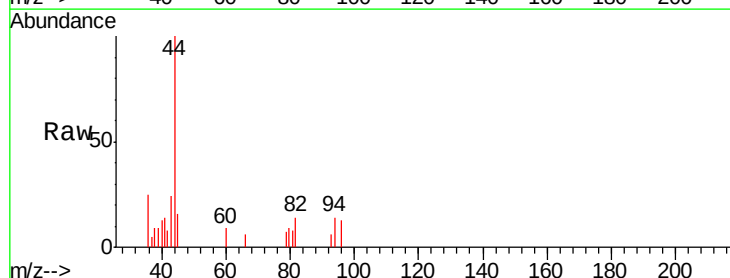
Acq: 27 Sep 2019 14:39

Tgt Ion: 94 Resp: 865

Ion Ratio Lower Upper

94 100

96 97.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

500

400

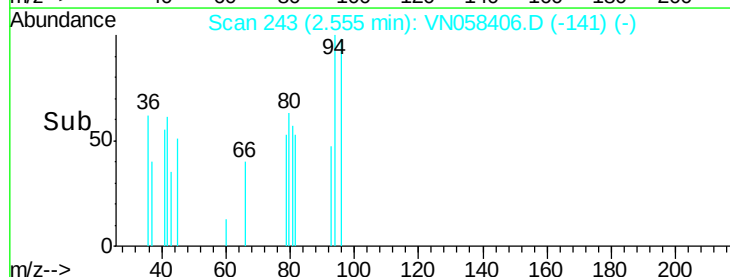
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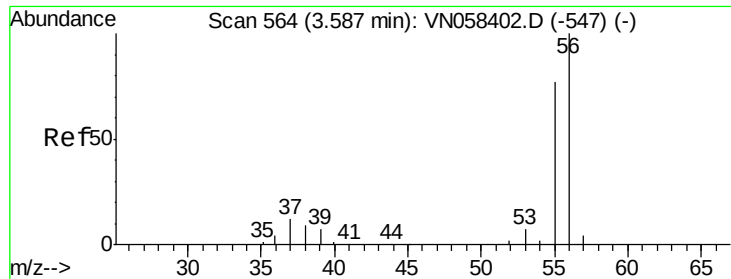
200

100

0

Time-->





#13

Acrolein

Concen: 0.443 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

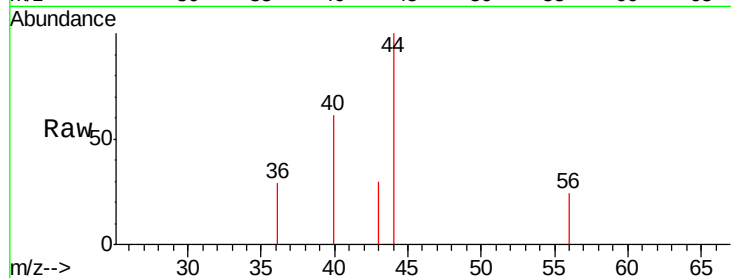
VN0927WBL01

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

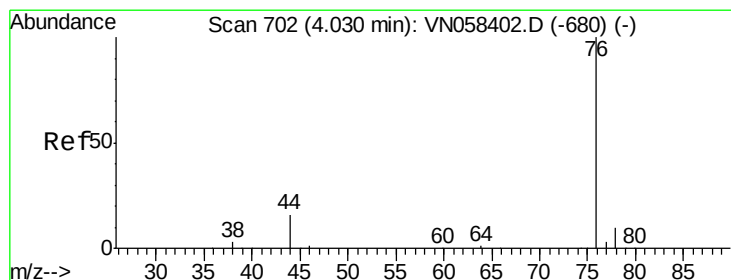
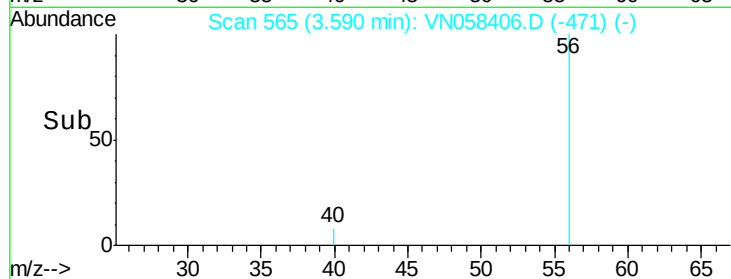
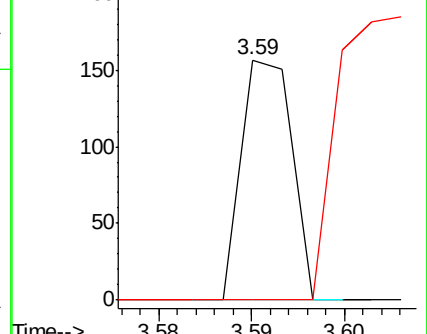
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#17

Carbon Disulfide

Concen: 0.599 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058406.D

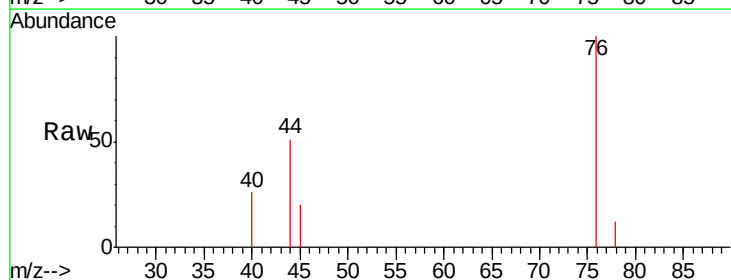
Acq: 27 Sep 2019 14:39

Tgt Ion: 76 Resp: 3704

Ion Ratio Lower Upper

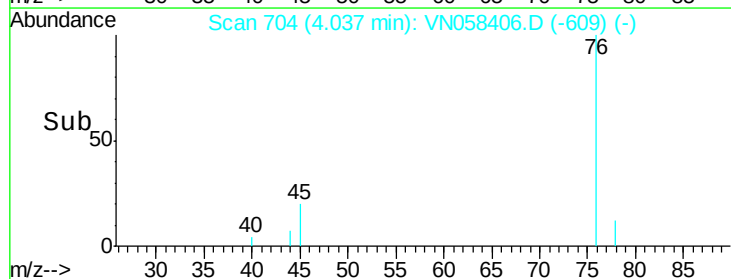
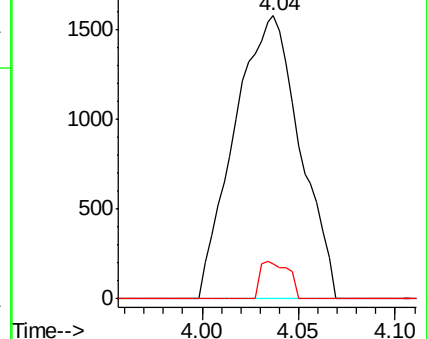
76 100

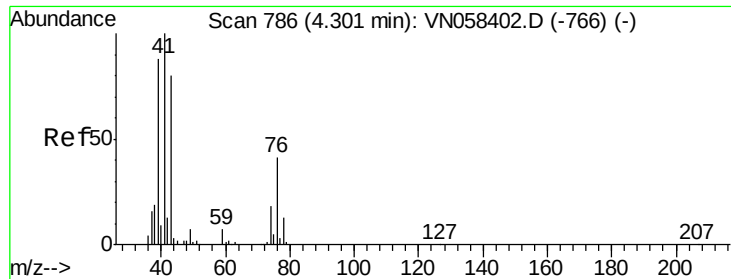
78 12.3 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

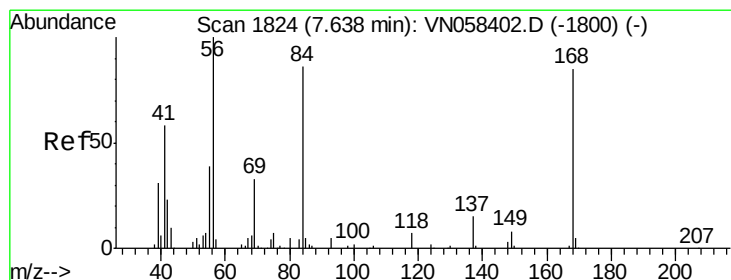
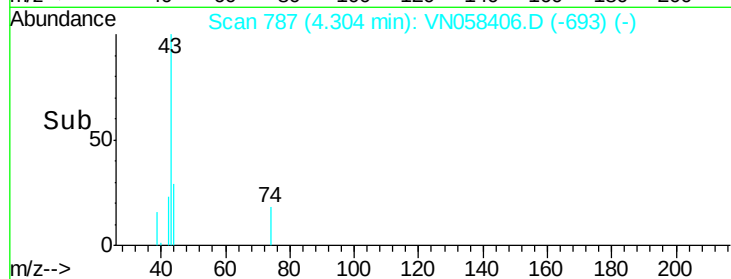
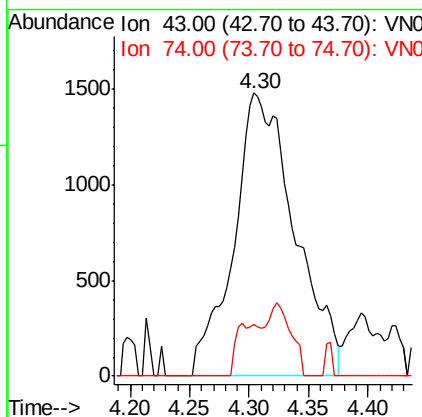
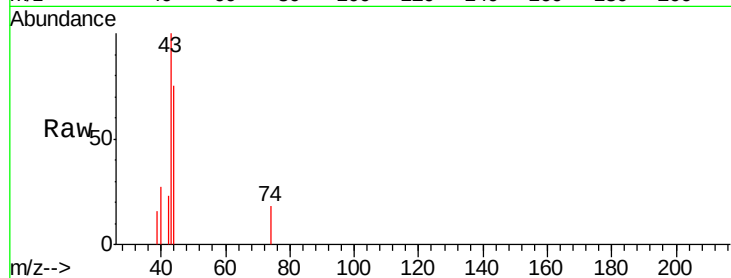




#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058406.D
Acq: 27 Sep 2019 14:39

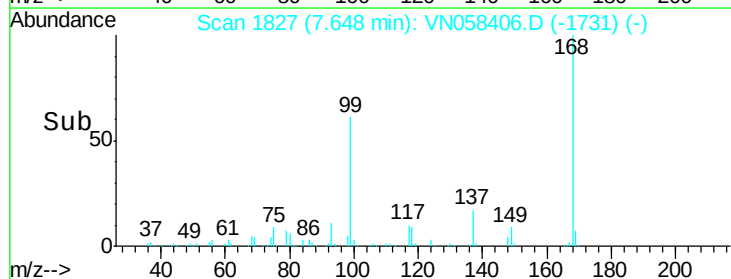
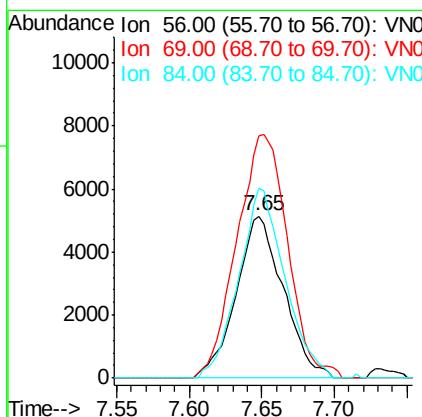
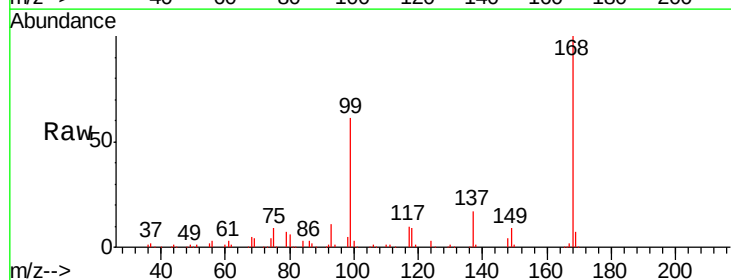
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

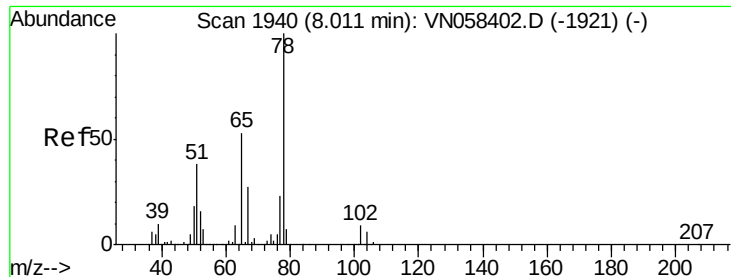
Tgt Ion: 43 Resp: 5277
Ion Ratio Lower Upper
43 100
74 3.5 18.0 27.0#



#31
Cyclohexane
Concen: 1.692 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058406.D
Acq: 27 Sep 2019 14:39

Tgt Ion: 56 Resp: 11608
Ion Ratio Lower Upper
56 100
69 149.7 26.2 39.4#
84 117.4 67.6 101.4#

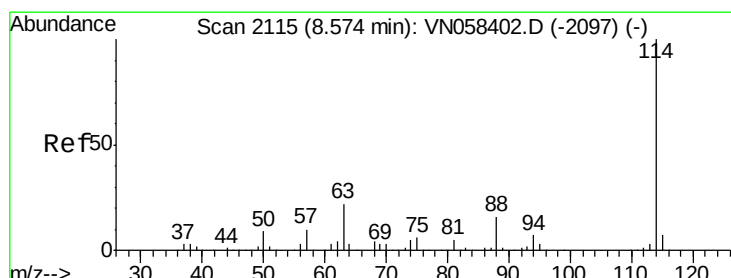
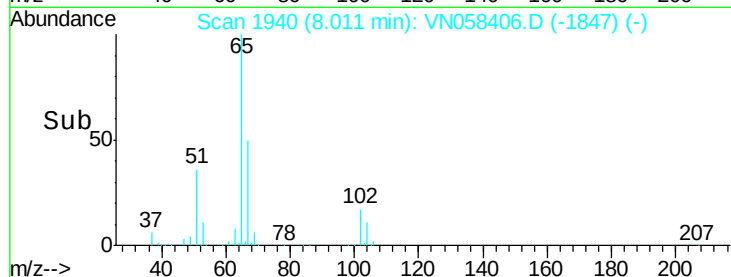
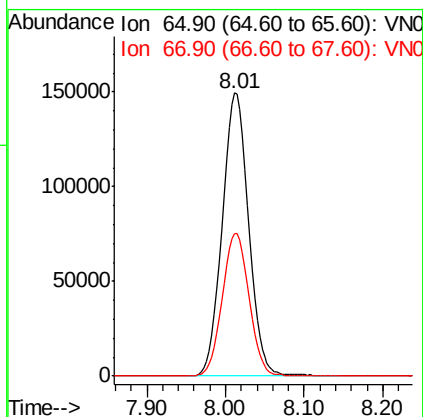
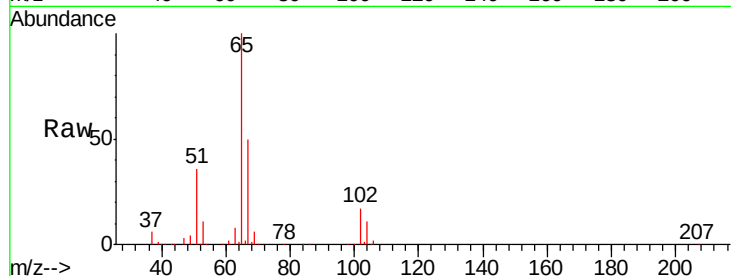




#33
 1,2-Dichloroethane-d4
 Concen: 53.581 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

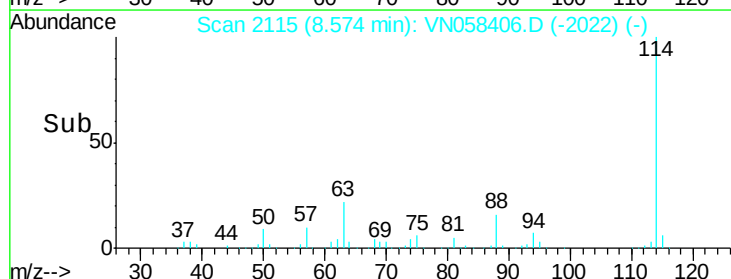
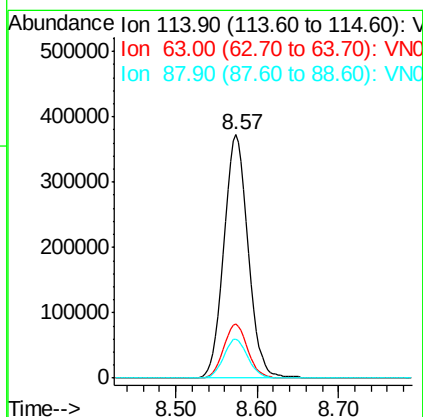
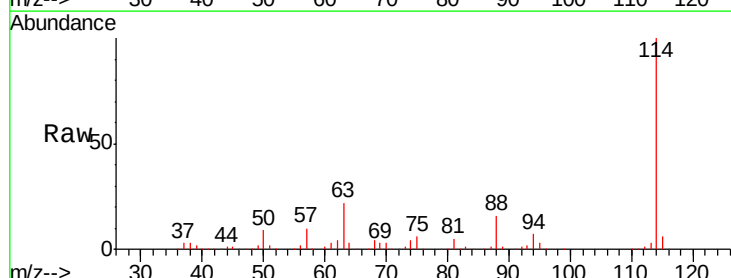
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

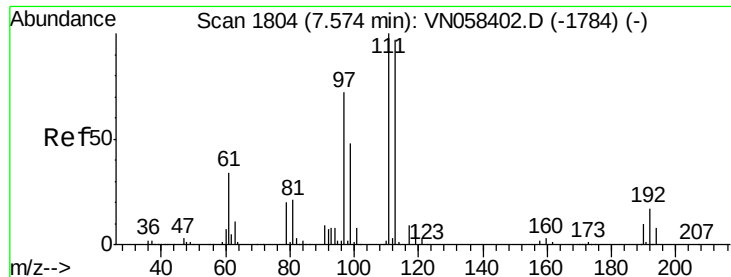
Tgt Ion: 65 Resp: 345885
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

Tgt Ion: 114 Resp: 786396
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.0 0.0 32.2

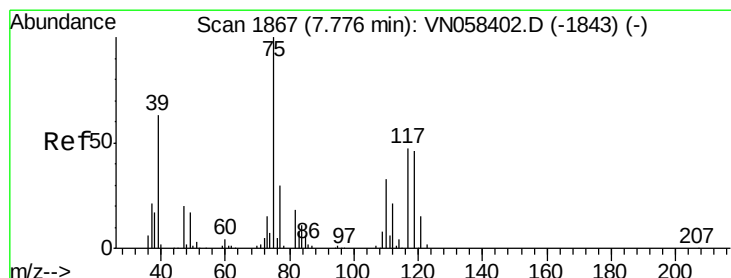
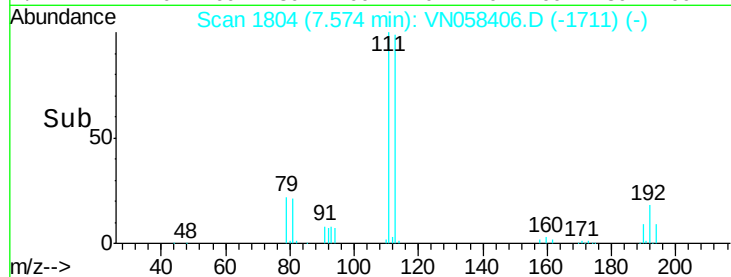
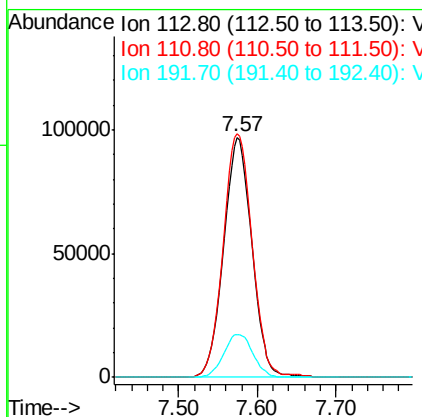
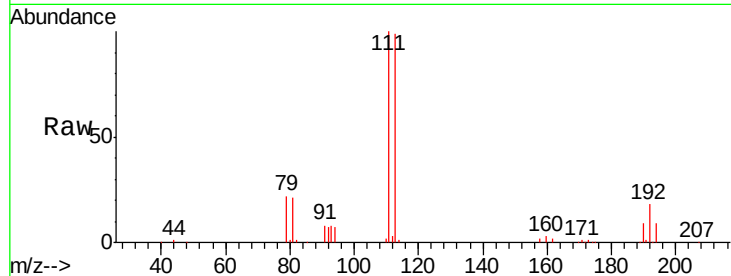




#35
 Dibromofluoromethane
 Concen: 50.241 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

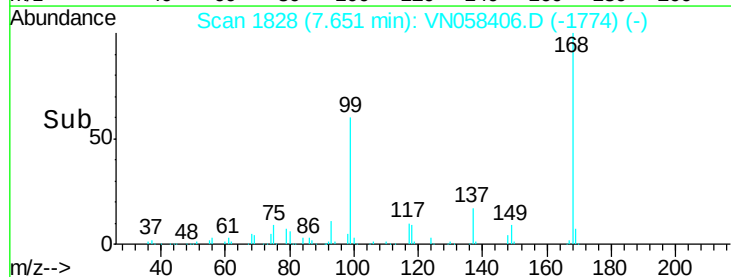
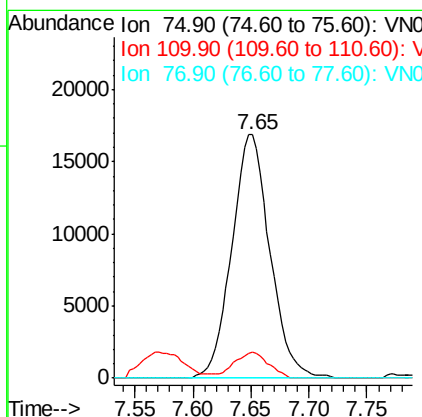
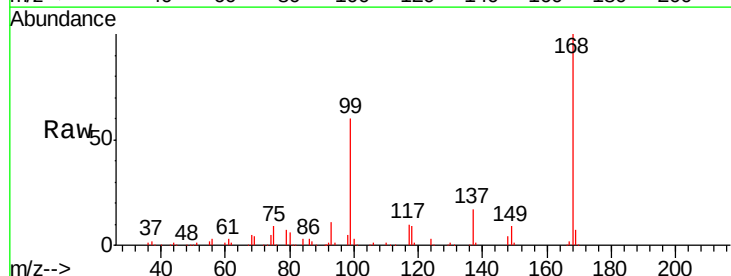
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBL01

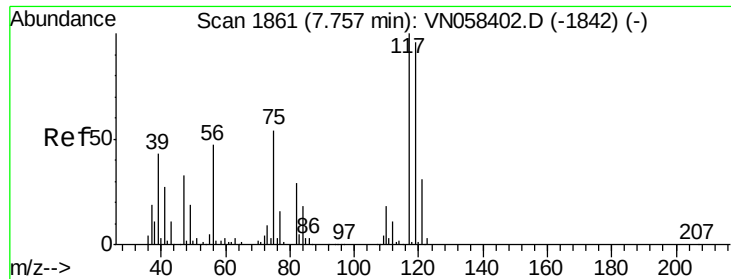
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	240425		
111	104.1		83.4	125.2
192	18.5		14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 6.343 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38544		
110	9.3		16.4	49.2#
77	0.0		24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.802 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0927WBL01

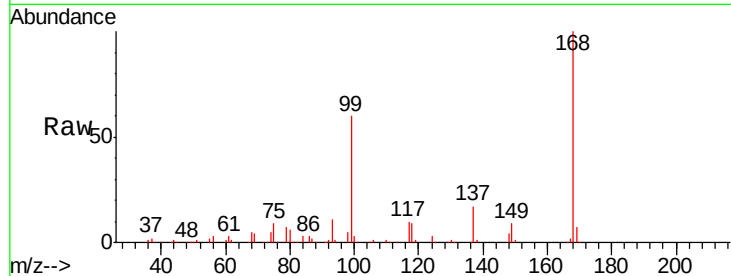
Tgt Ion:117 Resp: 46565

Ion Ratio Lower Upper

117 100

119 5.3 76.6 115.0#

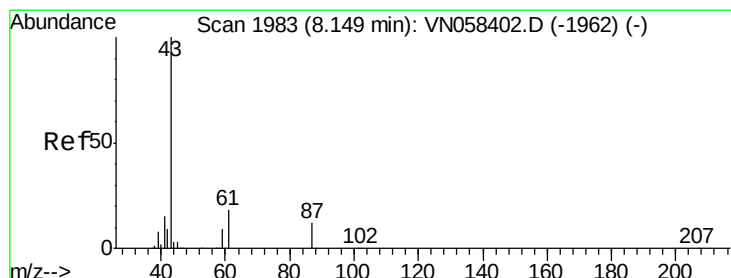
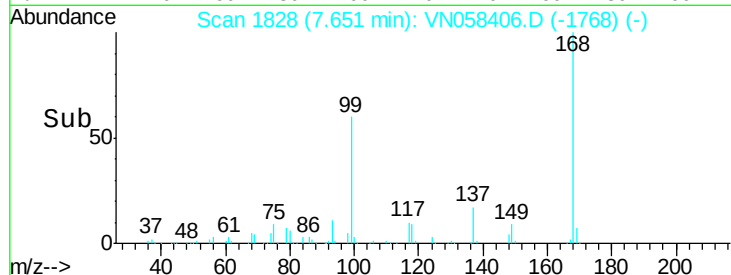
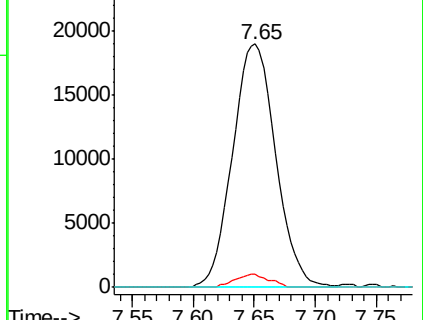
121 0.0 24.7 37.1#



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: 1.422 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.11 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

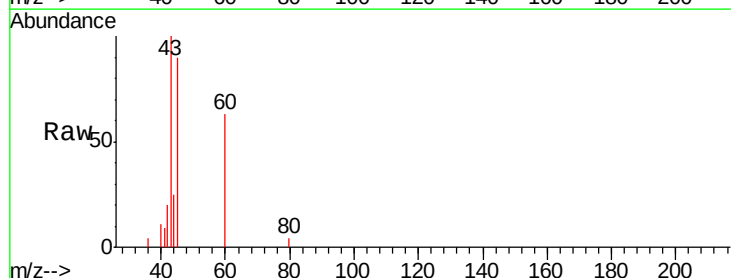
Tgt Ion: 43 Resp: 15915

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

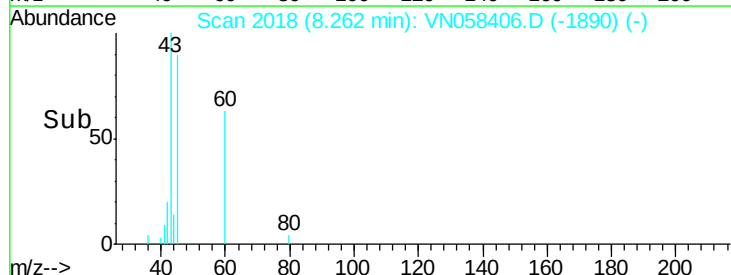
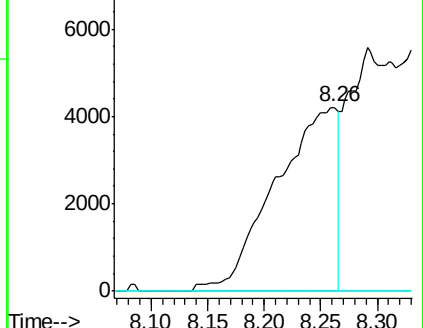
87 0.0 9.7 14.5#

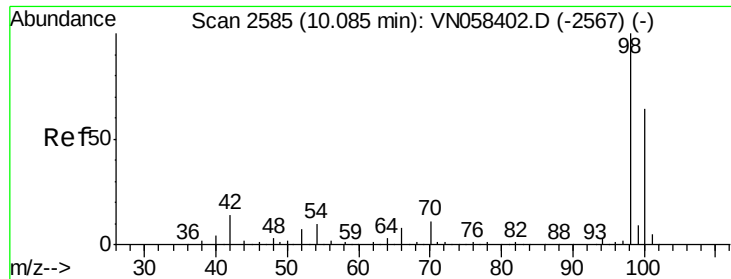


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.818 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

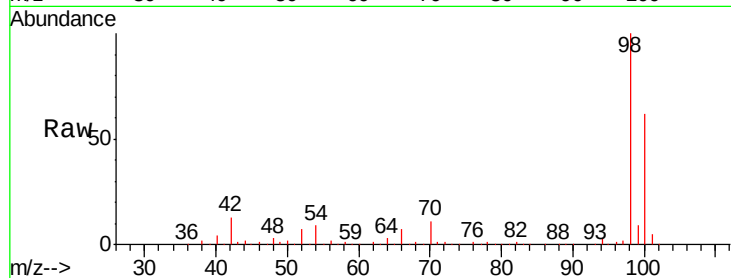
VN0927WBL01

Tgt Ion: 98 Resp: 945046

Ion Ratio Lower Upper

98 100

100 63.7 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

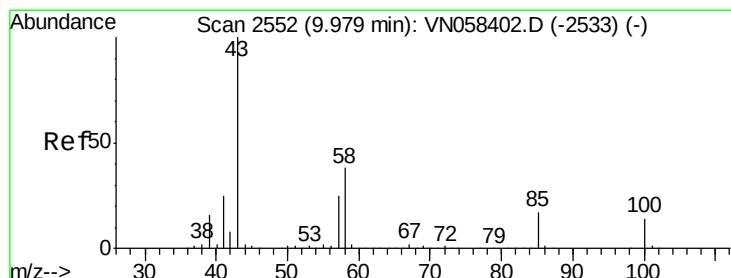
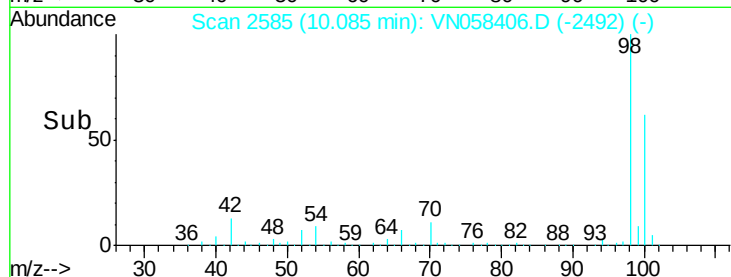
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.486 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058406.D

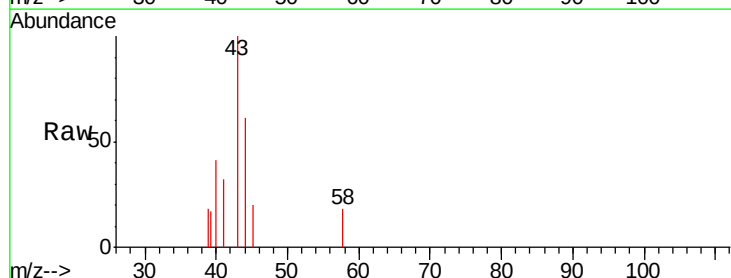
Acq: 27 Sep 2019 14:39

Tgt Ion: 43 Resp: 2859

Ion Ratio Lower Upper

43 100

58 10.4 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

5000

4000

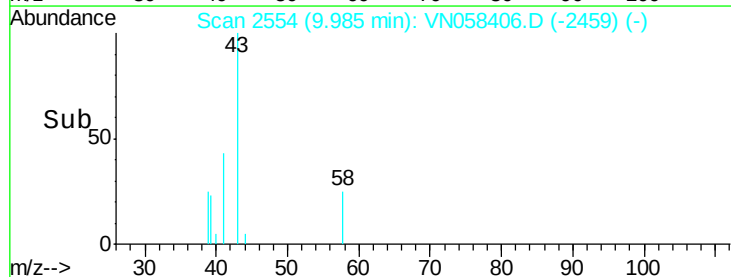
3000

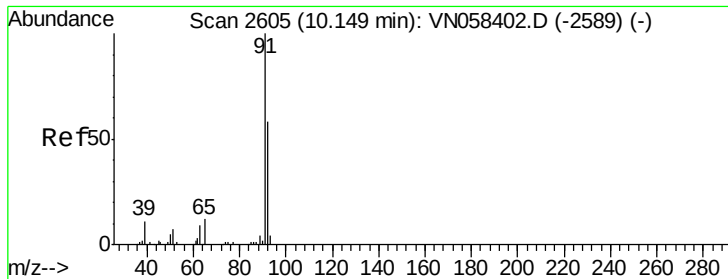
2000

1000

0

Time-->





#52

Toluene

Concen: 0.217 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

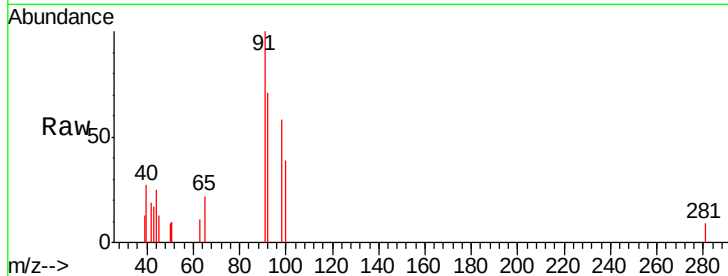
VN0927WBL01

Tgt Ion: 92 Resp: 2460

Ion Ratio Lower Upper

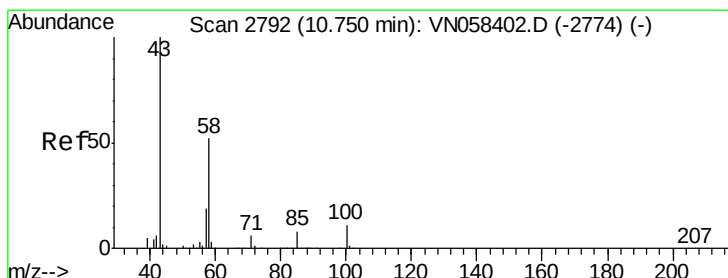
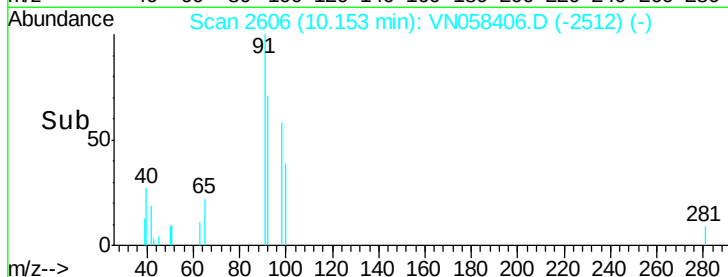
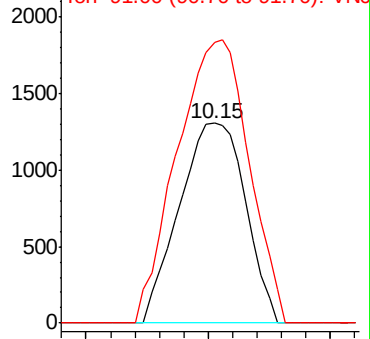
92 100

91 153.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#59

2-Hexanone

Concen: 0.351 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058406.D

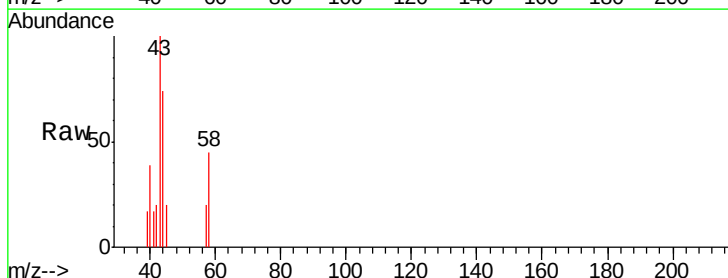
Acq: 27 Sep 2019 14:39

Tgt Ion: 43 Resp: 1529

Ion Ratio Lower Upper

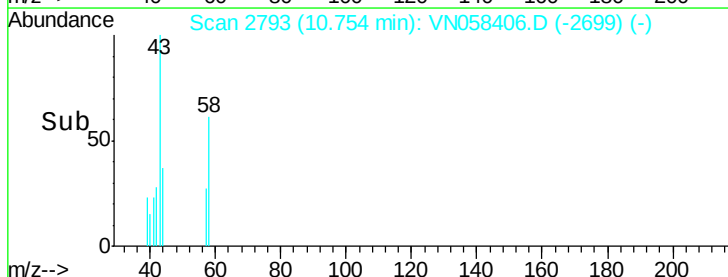
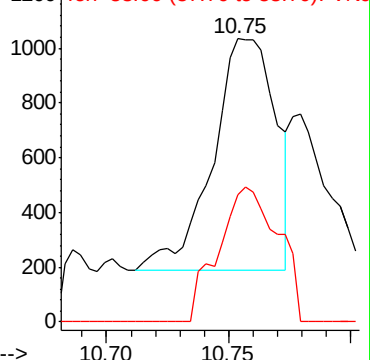
43 100

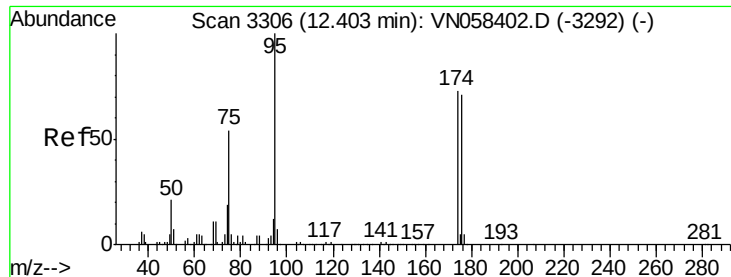
58 54.9 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.696 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0927WBL01

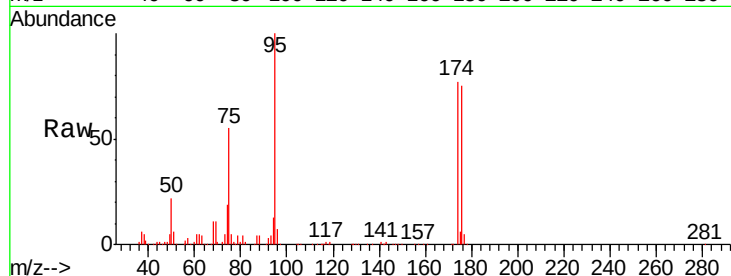
Tgt Ion: 95 Resp: 314750

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.6

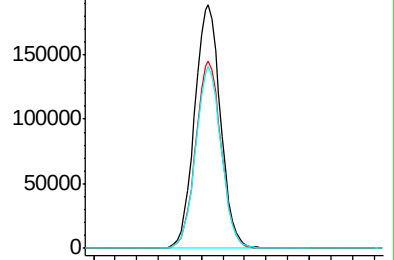
176 73.5 0.0 146.2



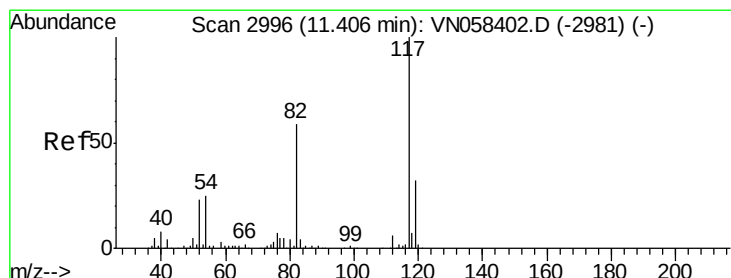
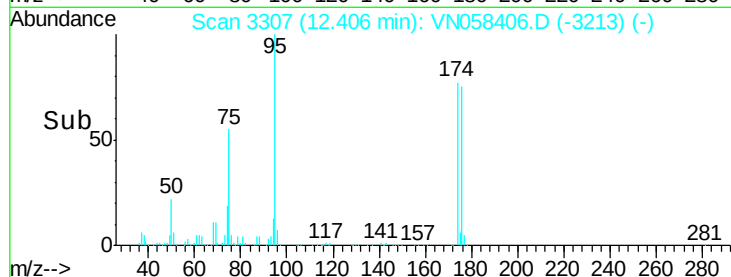
Abundance Ion 94.90 (94.60 to 95.60): VN058406.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058406.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058406.D (-3292) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

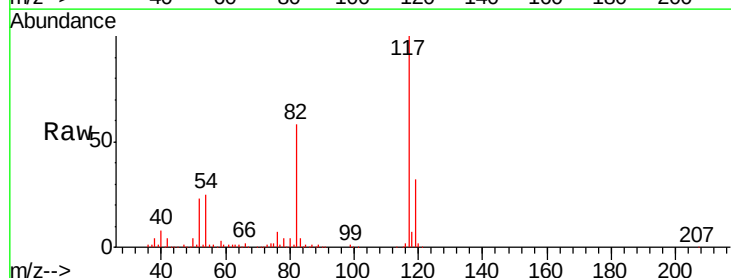
Tgt Ion: 117 Resp: 681318

Ion Ratio Lower Upper

117 100

82 58.4 47.4 71.0

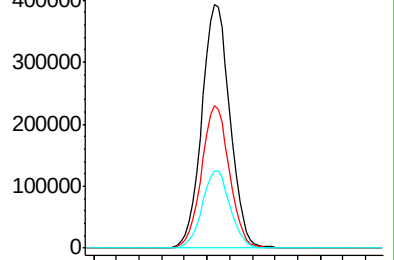
119 31.9 25.5 38.3



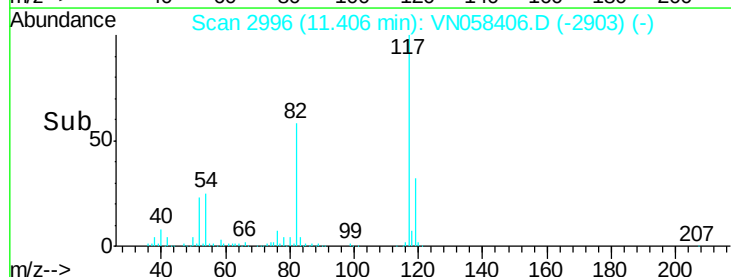
Abundance Ion 116.90 (116.60 to 117.60): VN058406.D (-2981) (-)

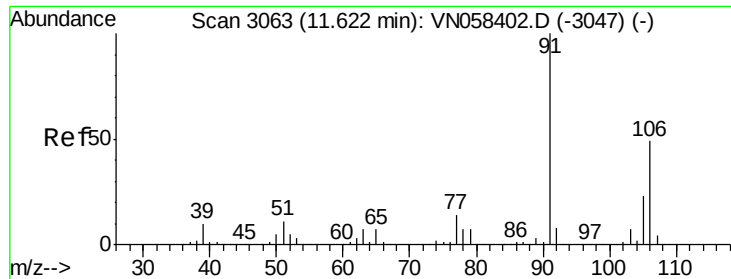
Ion 82.00 (81.70 to 82.70): VN058406.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058406.D (-2981) (-)



Time--> 11.30 11.40 11.50

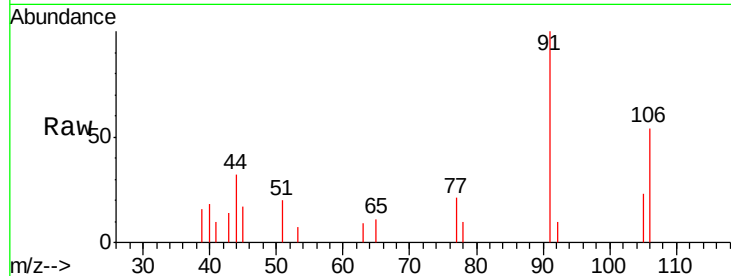




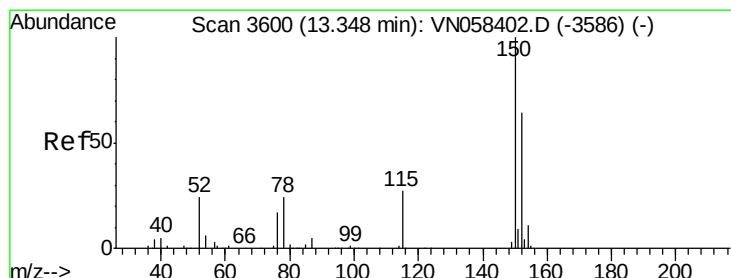
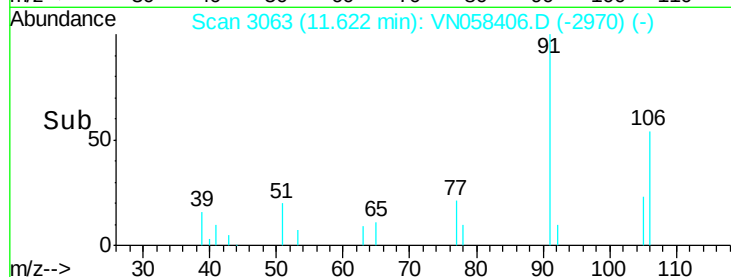
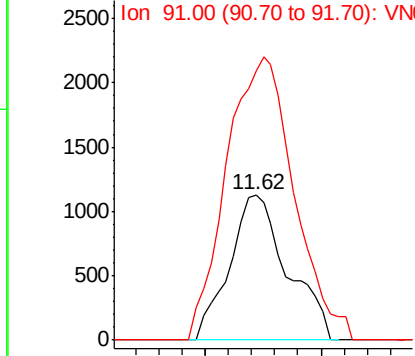
#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058406.D
Acq: 27 Sep 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

Tgt Ion:106 Resp: 1958
Ion Ratio Lower Upper
106 100
91 227.9 165.0 247.4

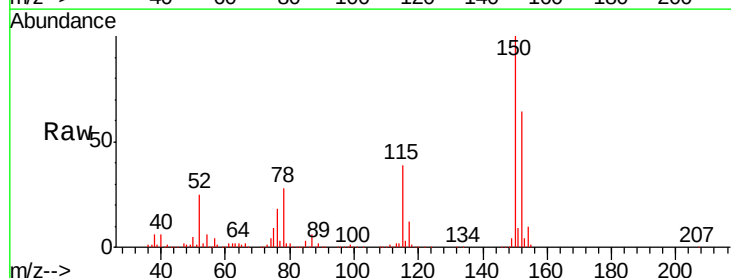


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

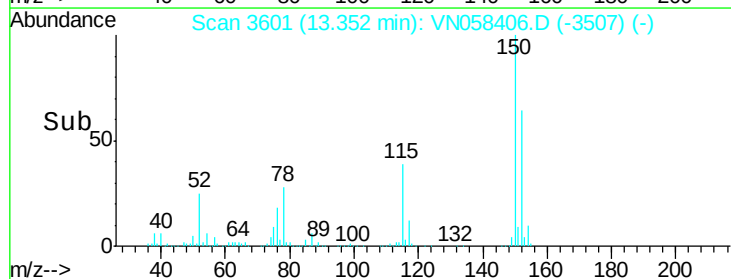
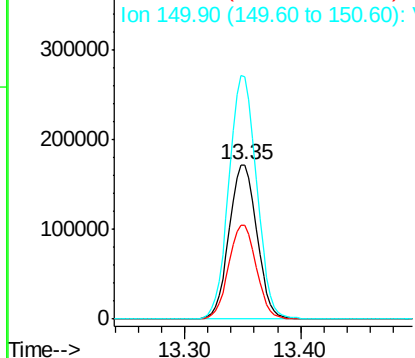


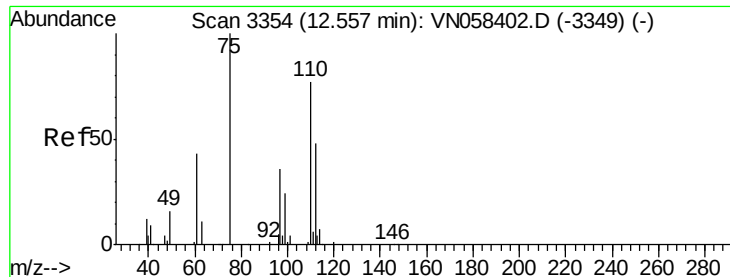
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058406.D
Acq: 27 Sep 2019 14:39

Tgt Ion:152 Resp: 286840
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.0
150 156.7 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: 33.212 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

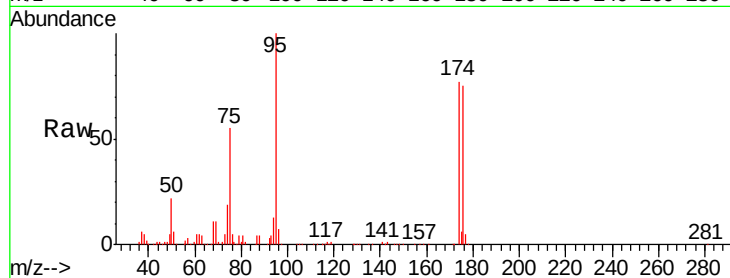
VN0927WBL01

Tgt Ion: 75 Resp: 172935

Ion Ratio Lower Upper

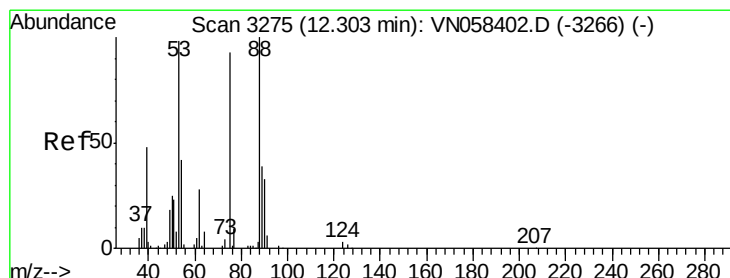
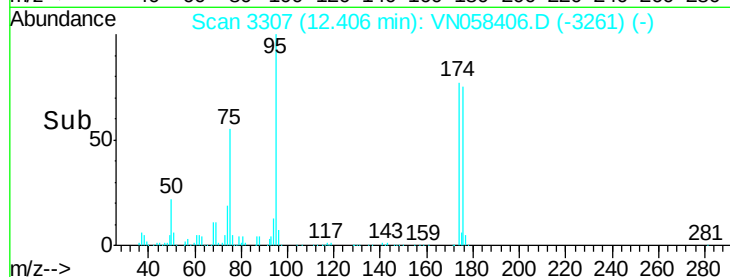
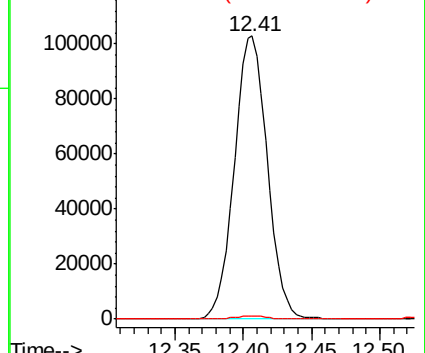
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 107.976 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058406.D

Acq: 27 Sep 2019 14:39

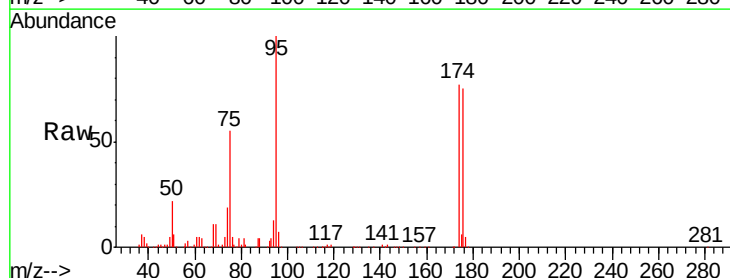
Tgt Ion: 75 Resp: 172935

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

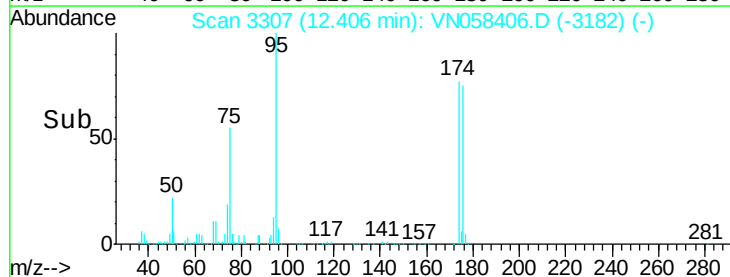
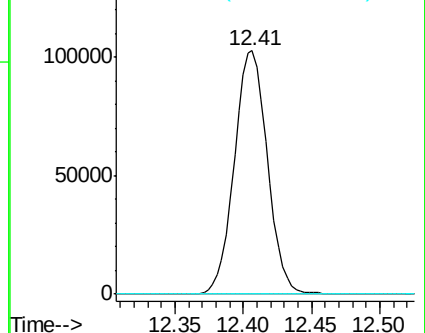
89 0.0 35.0 52.4#

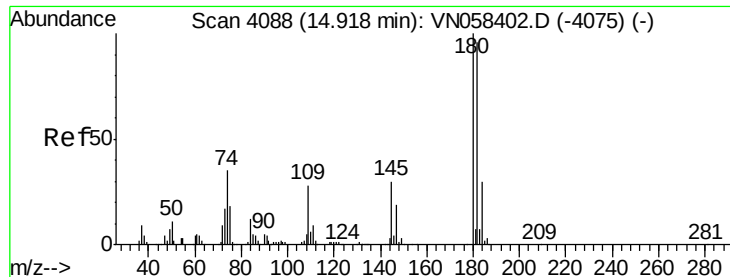


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

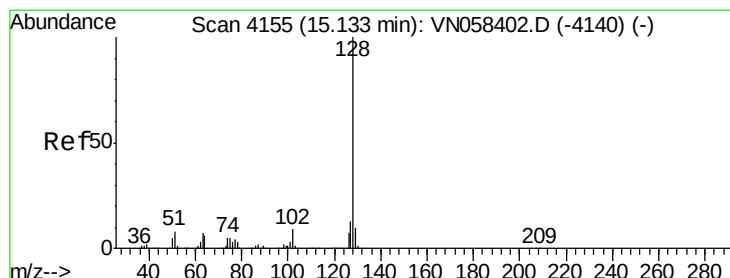
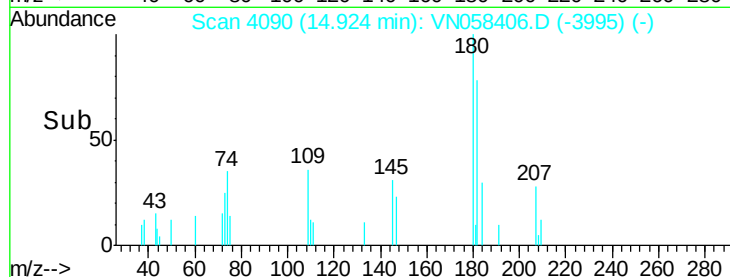
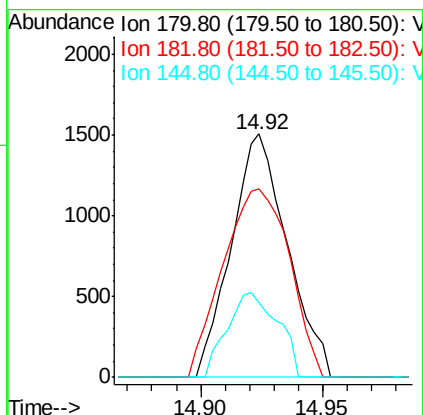
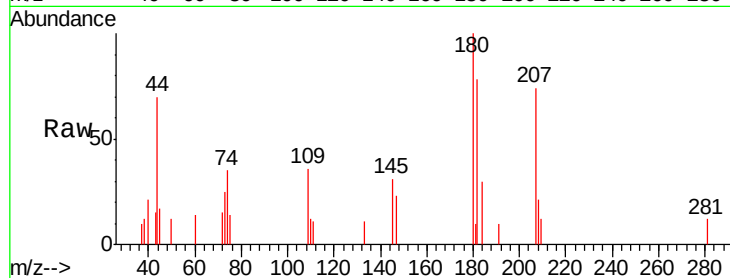




#93
 1,2,4-Trichlorobenzene
 Concen: 0.456 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

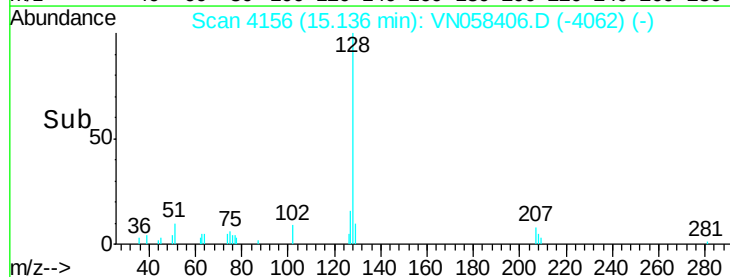
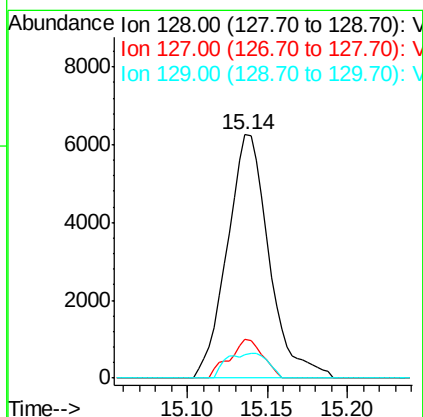
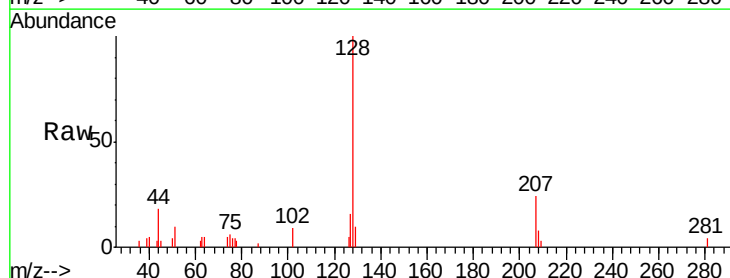
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBL01

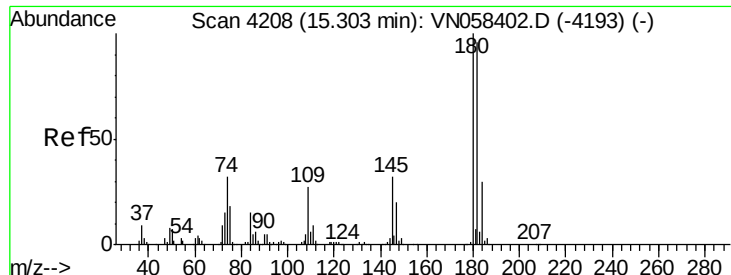
Tgt Ion:180 Resp: 2394
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.4 142.3
 145 31.7 15.3 45.9



#95
 Naphthalene
 Concen: 0.821 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

Tgt Ion:128 Resp: 11142
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.4
 129 10.1 8.3 12.5

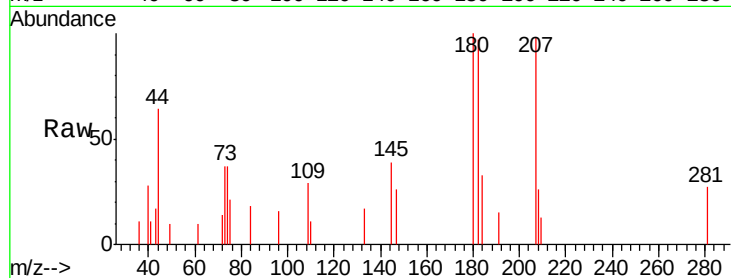




#96
 1,2,3-Trichlorobenzene
 Concen: 0.577 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058406.D
 Acq: 27 Sep 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	48.3	144.9
145	38.1	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

