

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049876.D
 Acq On : 18 Jul 2018 16:45
 Operator : MD\SY
 Sample : PB111206ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 01:20:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	584844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	412455	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
35) Dibromofluoromethane	7.59	113	363677	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	10.09	98	1284319	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
62) 4-Bromofluorobenzene	12.40	95	355514	35.18	ug/l	0.00
Spiked Amount			Recovery	=	70.36%	

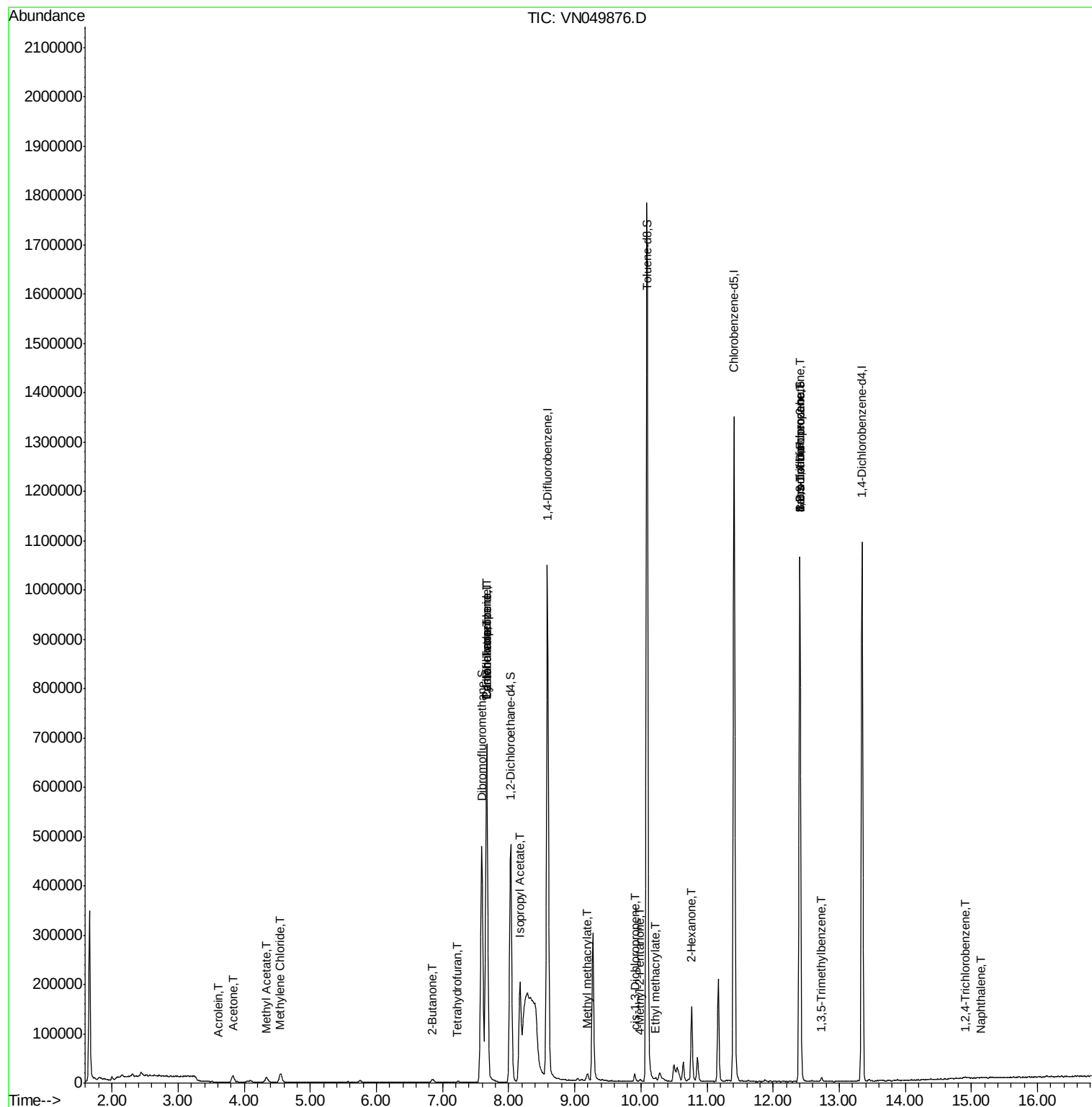
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	145	Below Cal	#	44
5) Bromomethane	2.57	94	1152	Below Cal		96
13) Acrolein	3.61	56	109	0.30	ug/l #	81
16) Acetone	3.83	43	22110	10.62	ug/l	99
18) Methyl Acetate	4.34	43	19501	2.19	ug/l	95
20) Methylene Chloride	4.55	84	13244	1.67	ug/l	93
25) 2-Butanone	6.85	43	5101	1.71	ug/l	98
29) Tetrahydrofuran	7.21	42	703	0.38	ug/l	97
31) Cyclohexane	7.67	56	10742	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41281	3.87	ug/l #	49
38) Carbon Tetrachloride	7.67	117	53241	4.66	ug/l #	16
43) Isopropyl Acetate	8.17	43	253157	19.78	ug/l	99
48) Methyl methacrylate	9.18	41	10260	1.60	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	2995	0.42	ug/l	88
54) cis-1,3-Dichloropropene	9.91	75	2549	0.21	ug/l #	70
56) Ethyl methacrylate	10.23	69	3000	2.42	ug/l #	86
59) 2-Hexanone	10.77	43	22659	4.72	ug/l #	60
71) Bromoform	12.40	173	1762	0.31	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	172037	29.66	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4020	0.21	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	172037	92.76	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	457	3.55	ug/l #	90
95) Naphthalene	15.14	128	1264	4.57	ug/l #	69

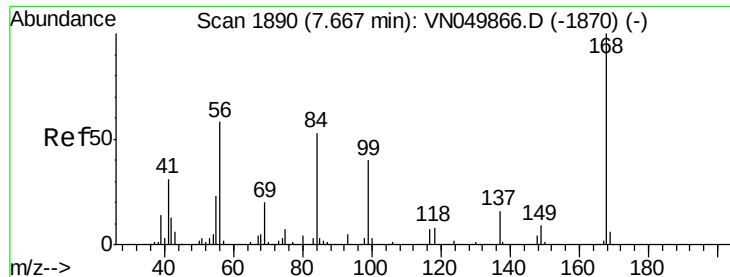
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071818\
Data File : VN049876.D
Acq On : 18 Jul 2018 16:45
Operator : MD\SY
Sample : PB111206ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 19 01:20:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

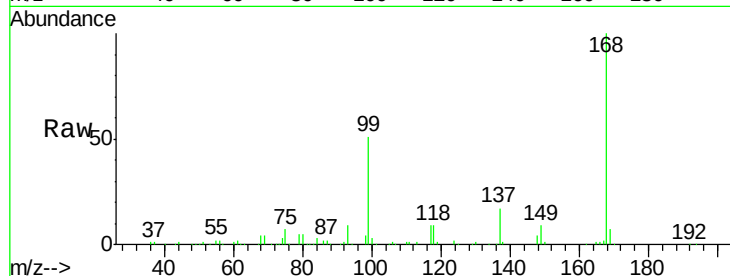
ClientSampleId :

Tot Ion:168 Resp: 584844

Ion Ratio Lower Upper

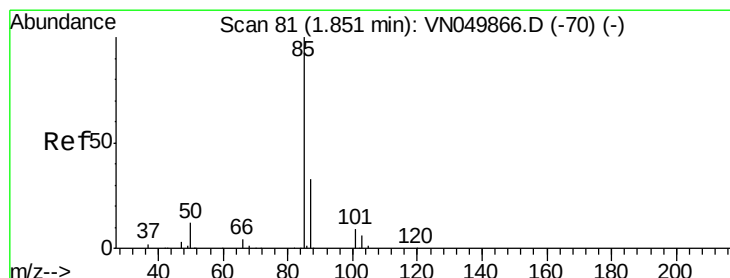
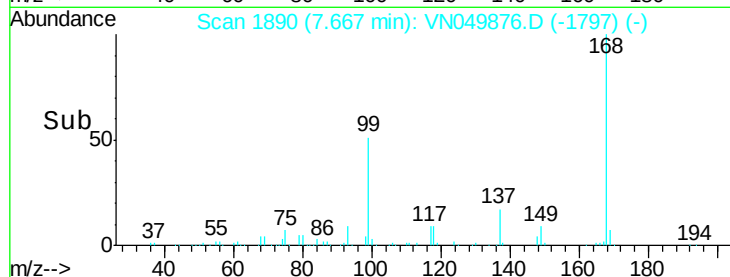
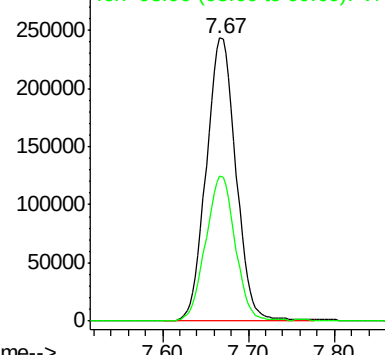
168 100

99 51.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049876.D

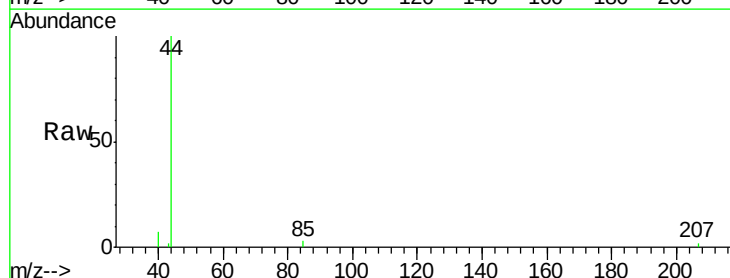
Acq: 18 Jul 2018 16:45

Tgt Ion: 85 Resp: 145

Ion Ratio Lower Upper

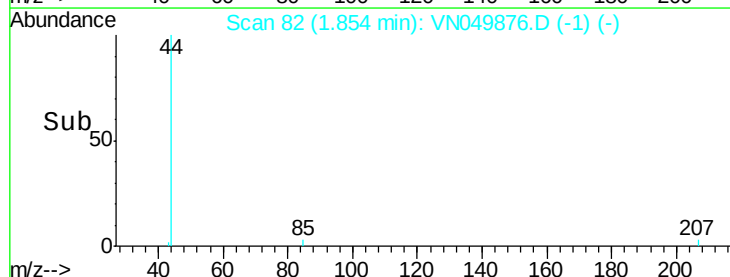
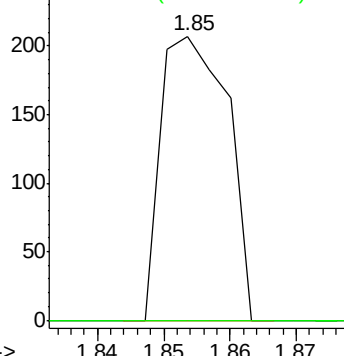
85 100

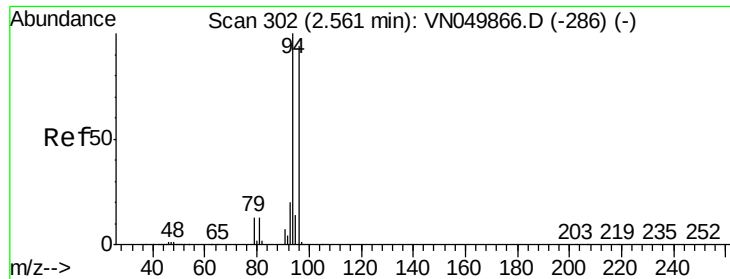
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

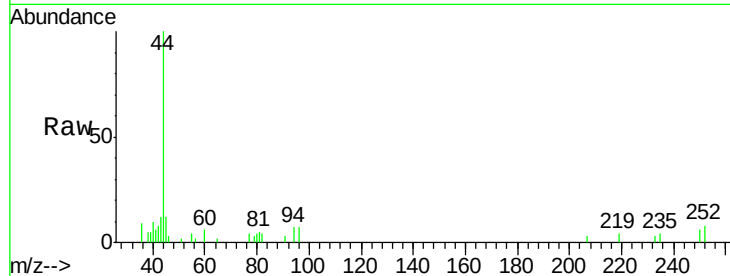
ClientSampled :

Tot Ion: 94 Resp: 1152

Ion Ratio Lower Upper

94 100

96 98.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

400

300

200

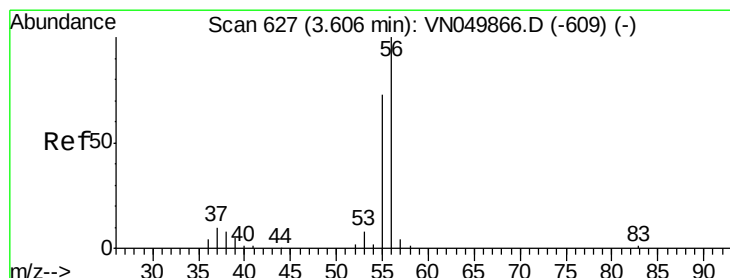
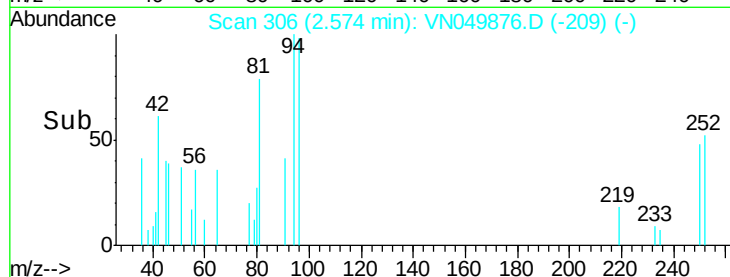
100

0

2.55

2.60

Time-->



#13

Acrolein

Concen: 0.30 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049876.D

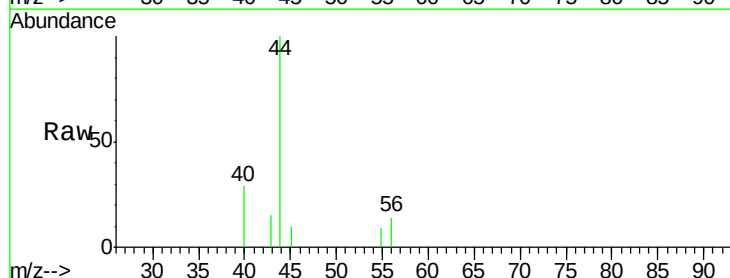
Acq: 18 Jul 2018 16:45

Tgt Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 54.1 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

150

100

50

0

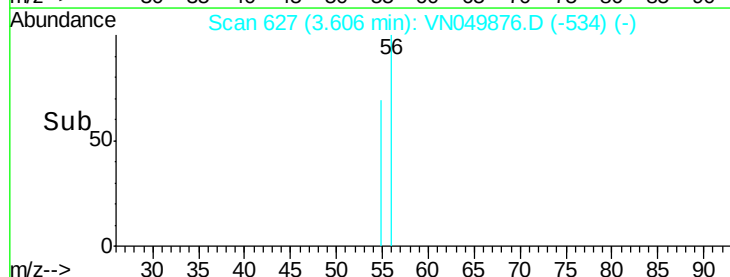
3.59

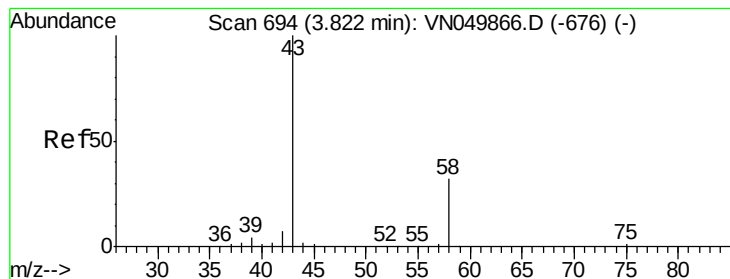
3.60

3.61

3.62

Time-->





#16

Acetone

Concen: 10.62 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

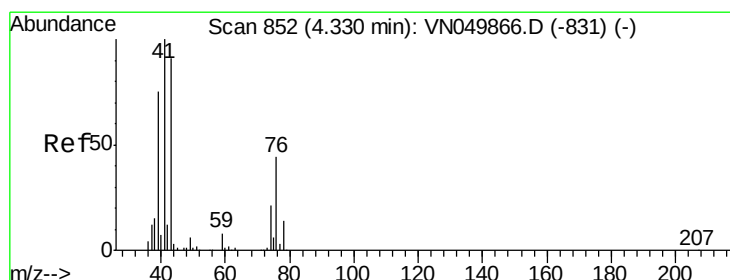
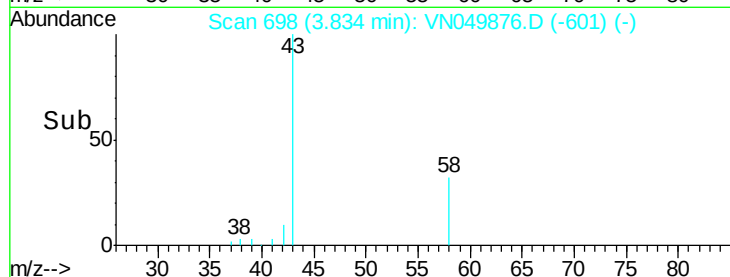
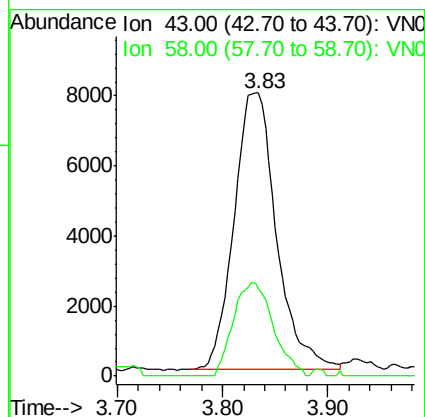
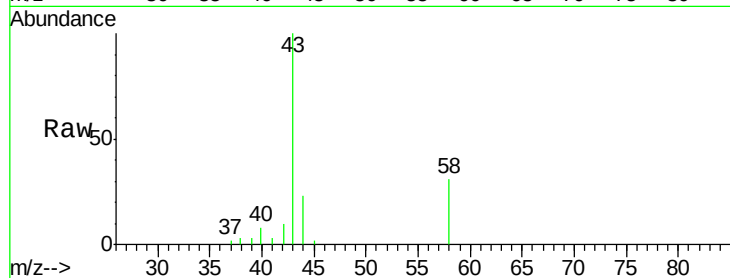
ClientSampleId :

Tot Ion: 43 Resp: 22110

Ion Ratio Lower Upper

43 100

58 31.7 25.9 38.9



#18

Methyl Acetate

Concen: 2.19 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049876.D

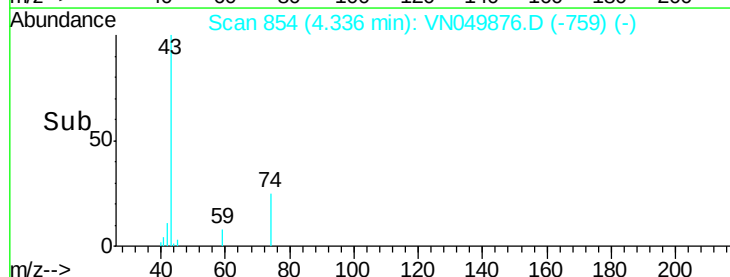
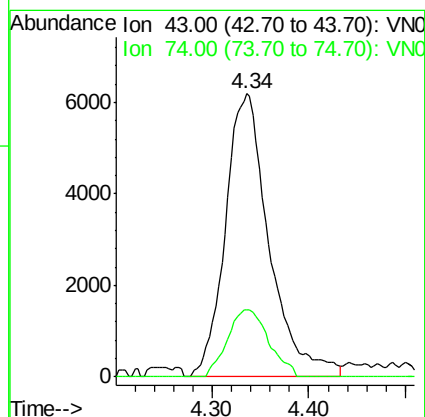
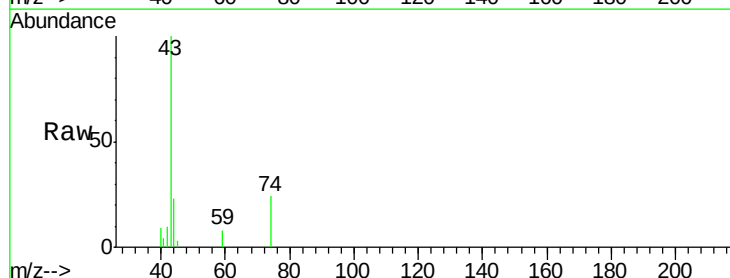
Acq: 18 Jul 2018 16:45

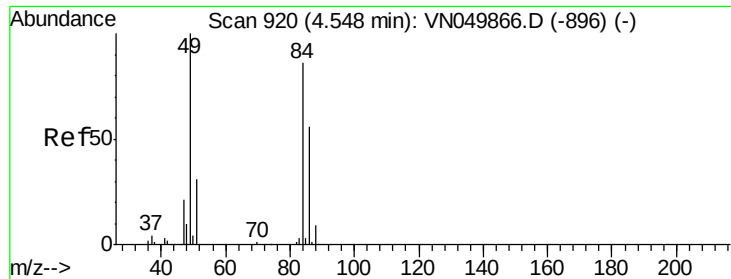
Tgt Ion: 43 Resp: 19501

Ion Ratio Lower Upper

43 100

74 22.3 19.8 29.8

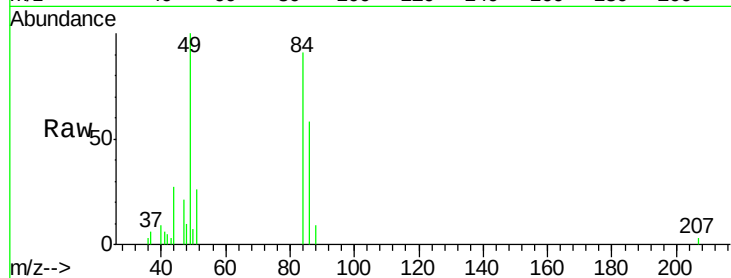




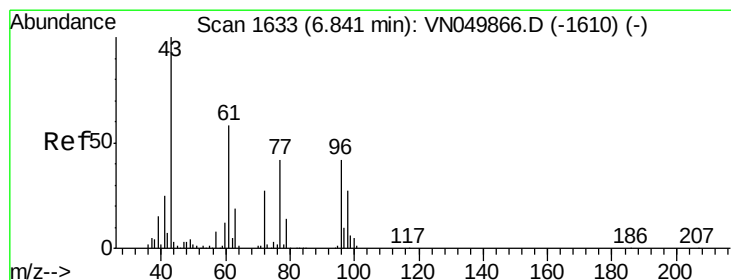
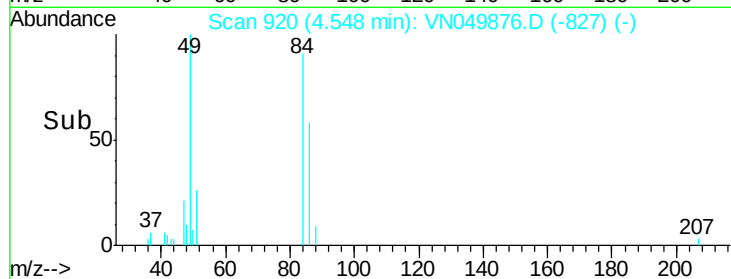
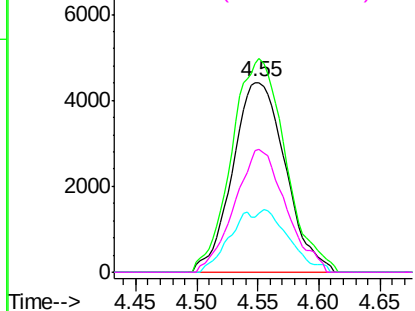
#20
Methvlene Chloride
Concen: 1.67 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	13244
Ion	Ratio	Lower	Upper
84	100		
49	109.6	95.4	143.2
51	29.0	28.4	42.6
86	63.8	52.6	79.0

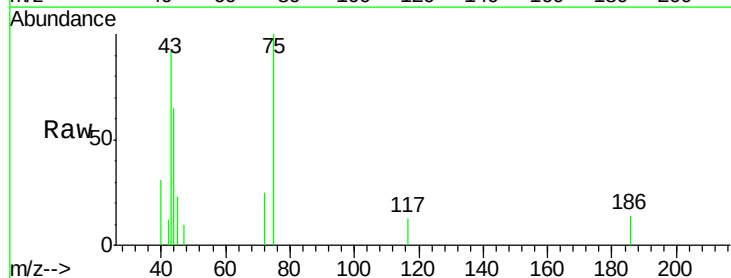


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

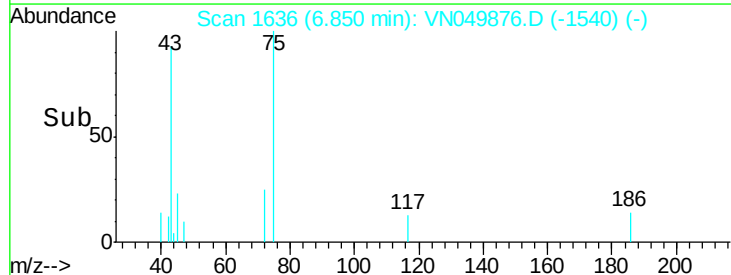
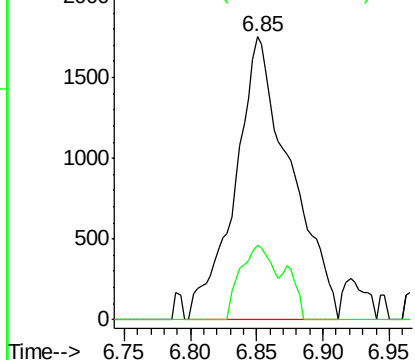


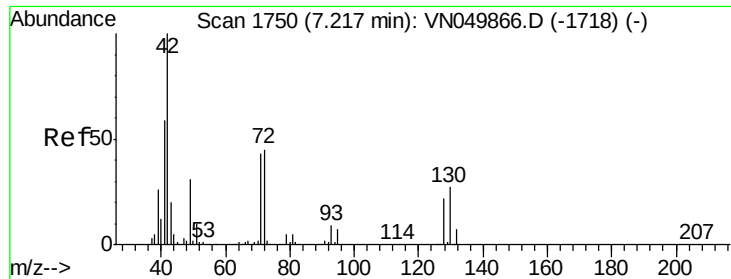
#25
2-Butanone
Concen: 1.71 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Tgt Ion:	43	Resp:	5101
Ion	Ratio	Lower	Upper
43	100		
72	26.5	22.1	33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

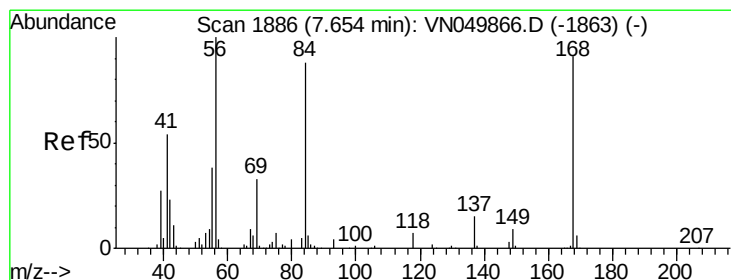
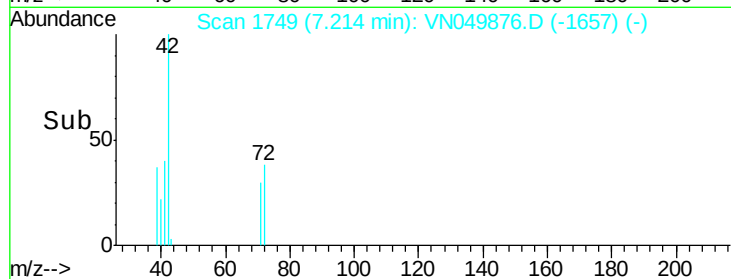
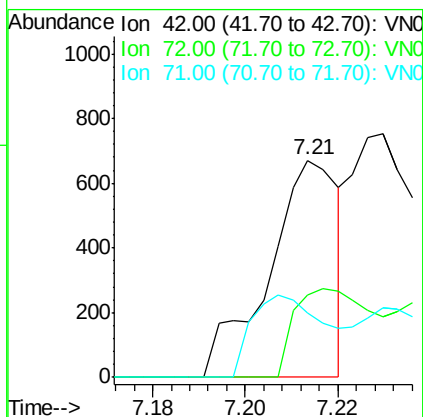
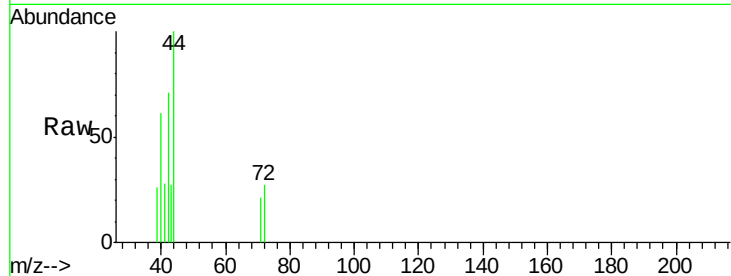




#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

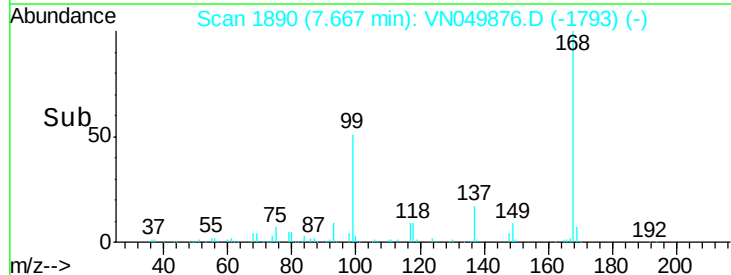
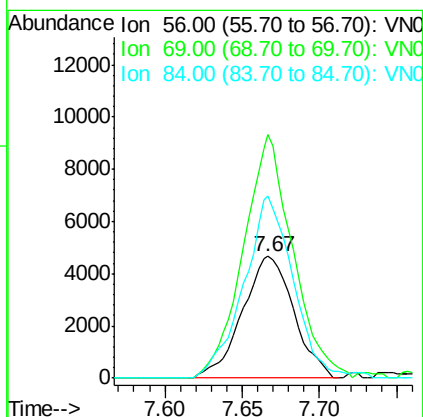
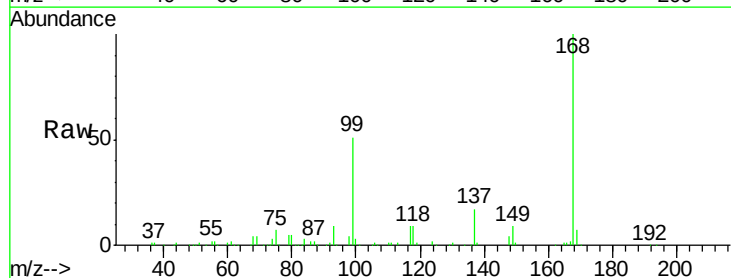
Instrument :
MSVOA_N
ClientSampleId :

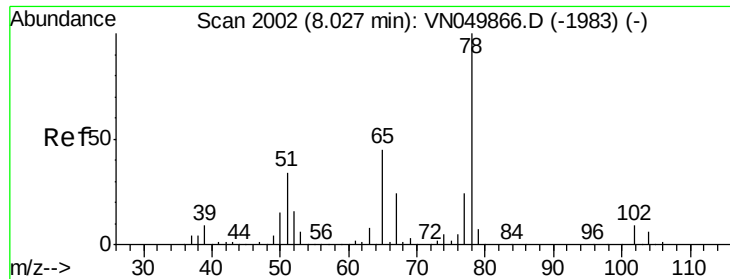
Tot Ion: 42 Resp: 703
Ion Ratio Lower Upper
42 100
72 45.0 35.6 53.4
71 38.7 34.0 51.0



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Tgt Ion: 56 Resp: 10742
Ion Ratio Lower Upper
56 100
69 199.9 26.6 40.0#
84 149.6 69.0 103.6#

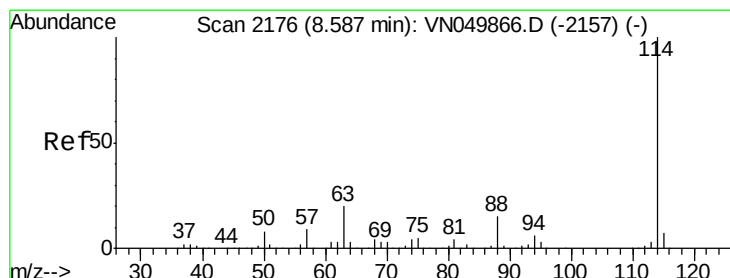
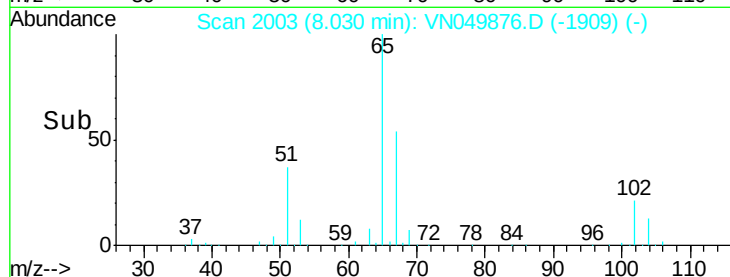
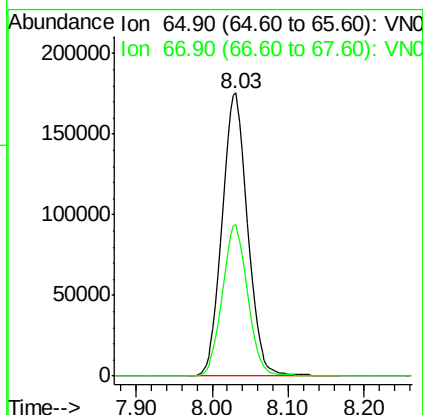
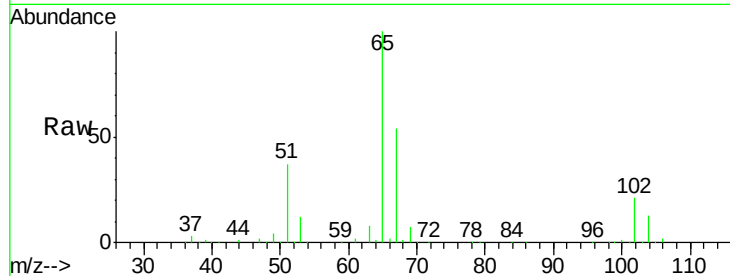




#33
 1,2-Dichloroethane-d4
 Concen: 51.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

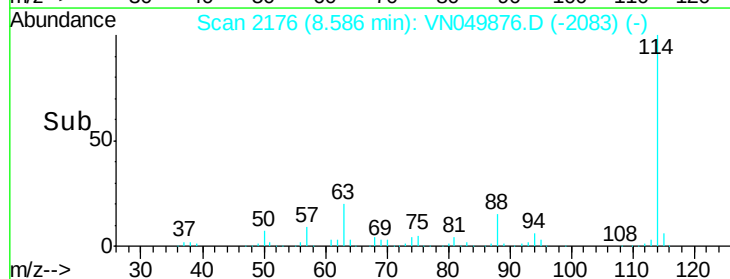
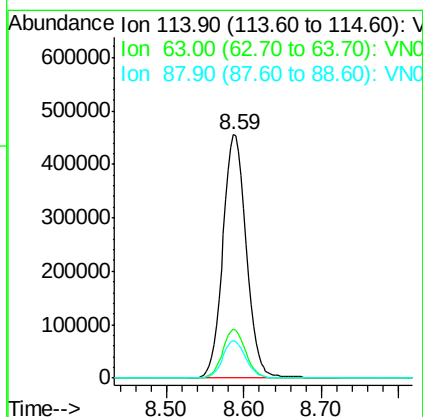
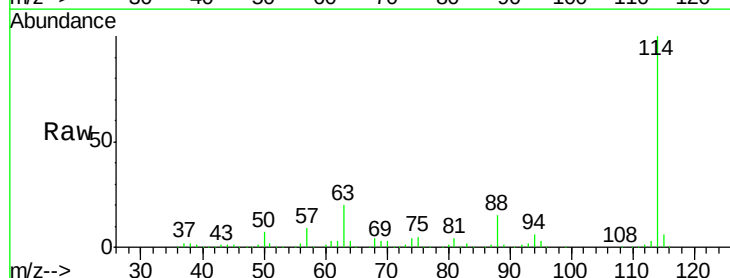
Instrument :
 MSVOA_N
 ClientSampled :

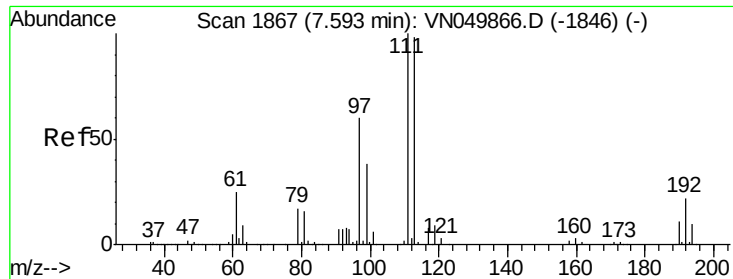
Tot Ion: 65 Resp: 412455
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

Tgt Ion: 114 Resp: 959270
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.3 0.0 30.6

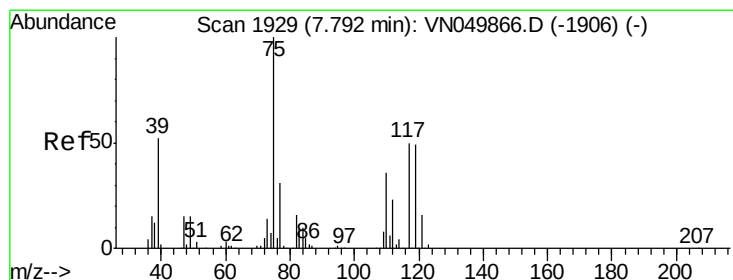
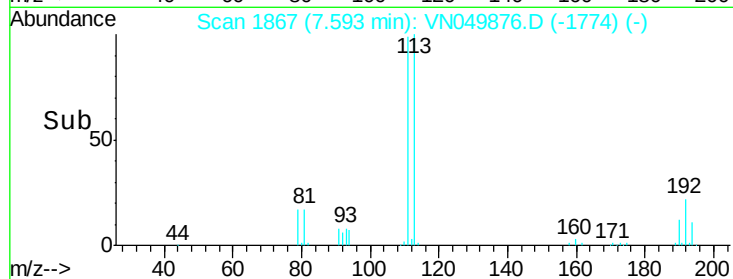
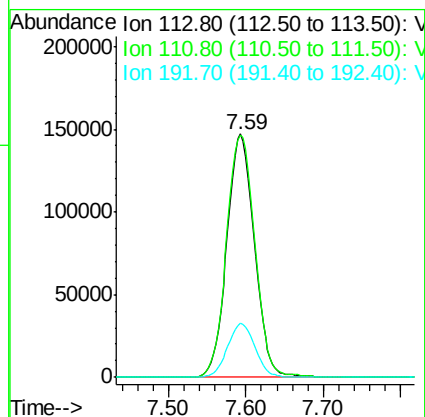
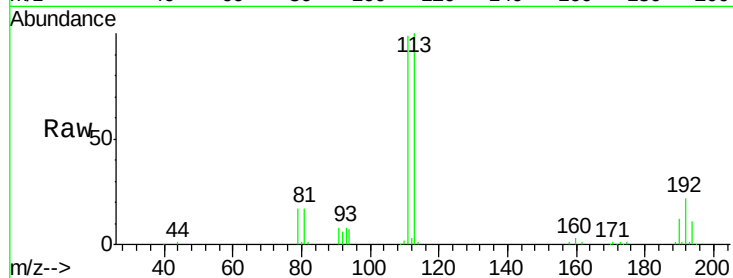




#35
 Dibromofluoromethane
 Concen: 45.16 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

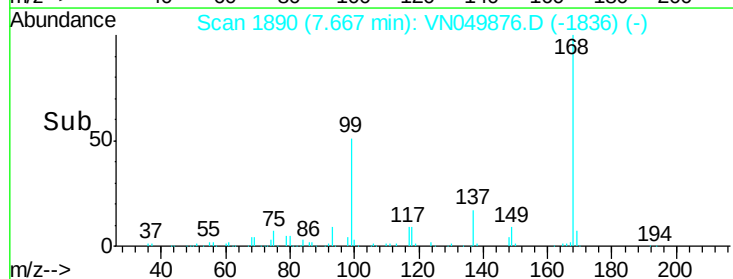
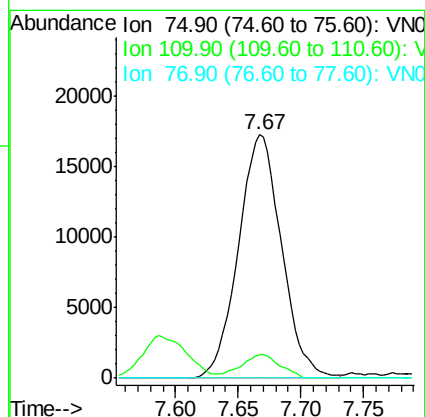
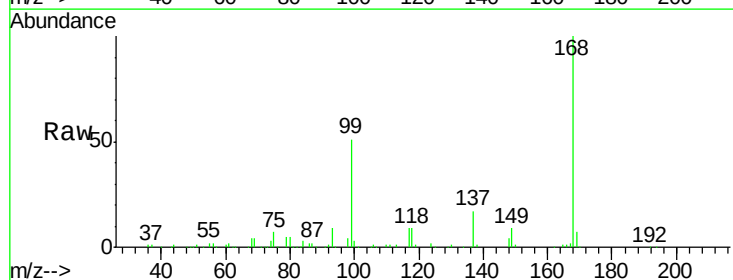
Instrument :
 MSVOA_N
 ClientSampleId :

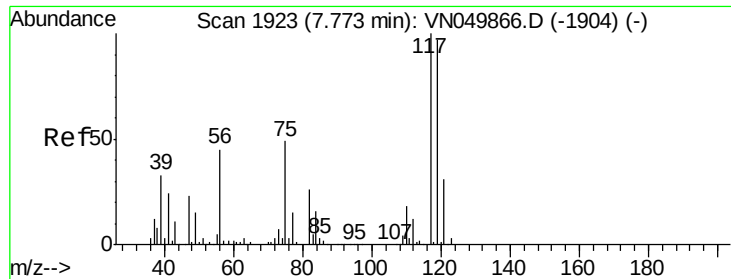
Tot Ion:113 Resp: 363677
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

Tgt Ion: 75 Resp: 41281
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 24.9 37.3#

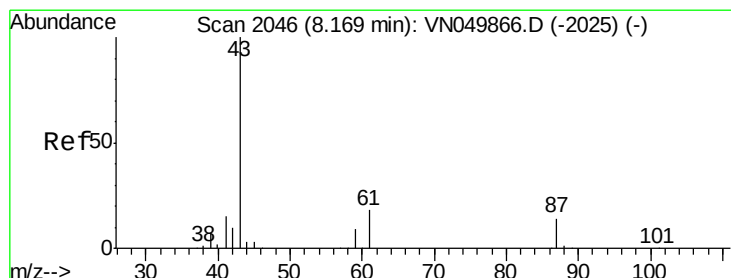
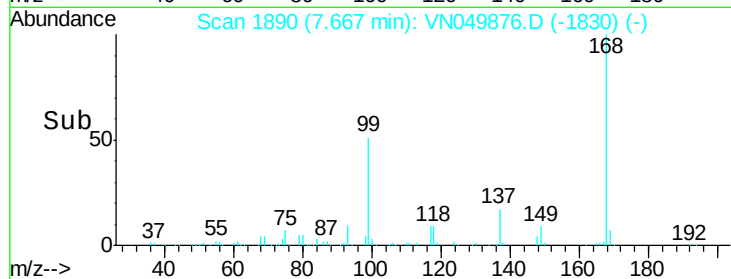
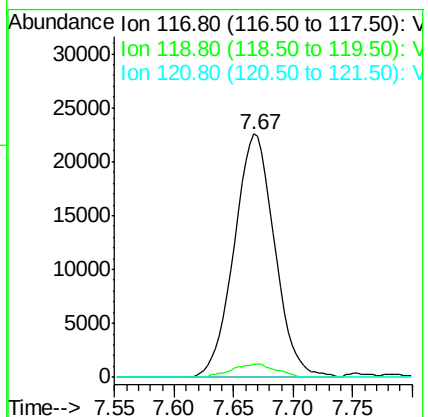
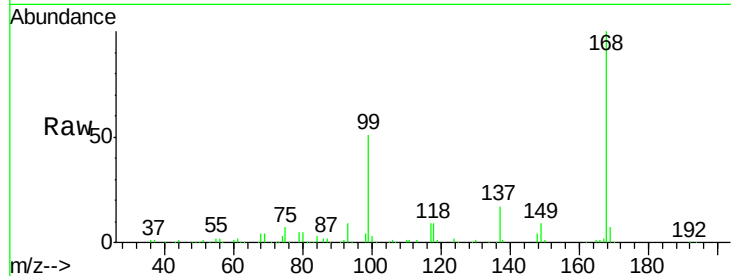




#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

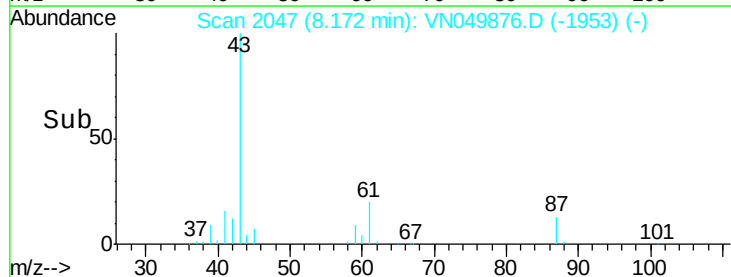
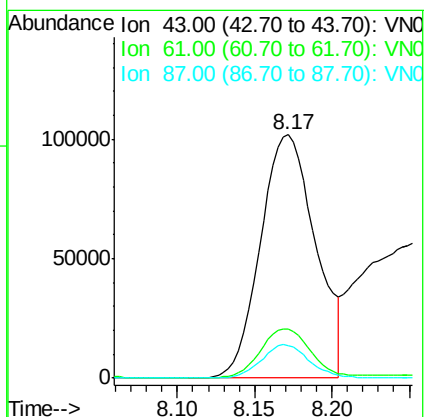
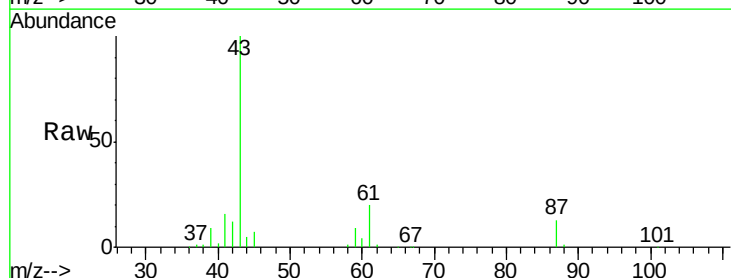
Instrument :
MSVOA_N
ClientSampled :

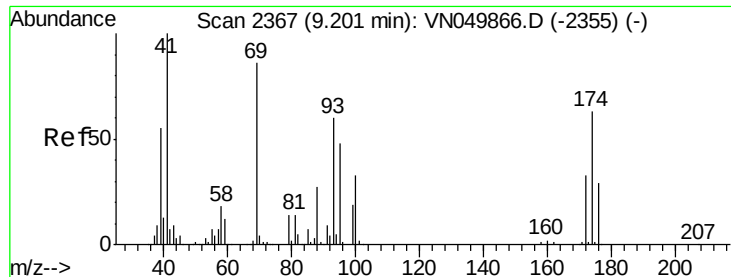
Tot Ion:117 Resp: 53241
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 19.78 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Tgt Ion: 43 Resp: 253157
Ion Ratio Lower Upper
43 100
61 18.9 14.9 22.3
87 12.0 10.0 15.0

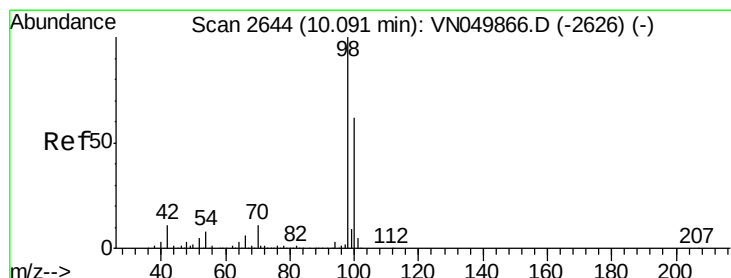
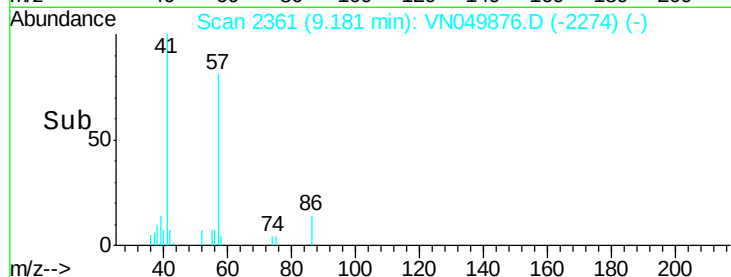
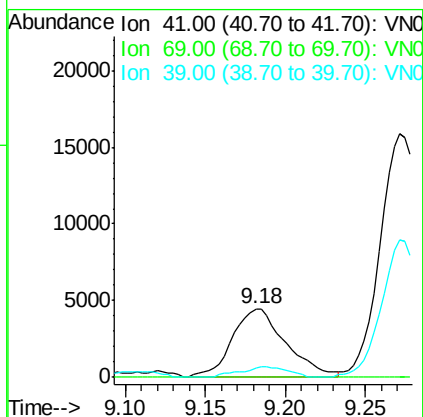
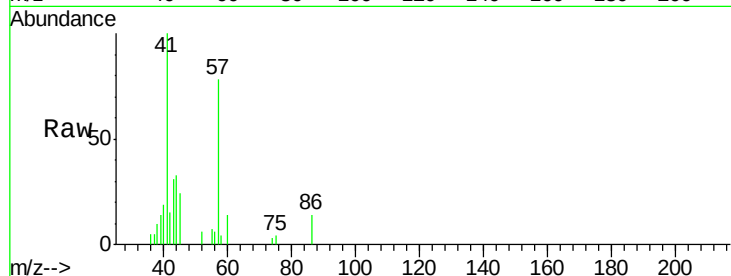




#48
Methvl methacrylate
Concen: 1.60 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

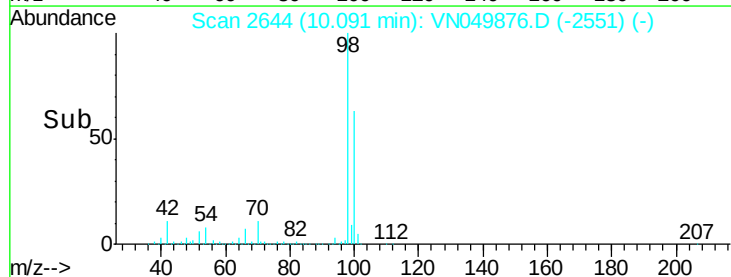
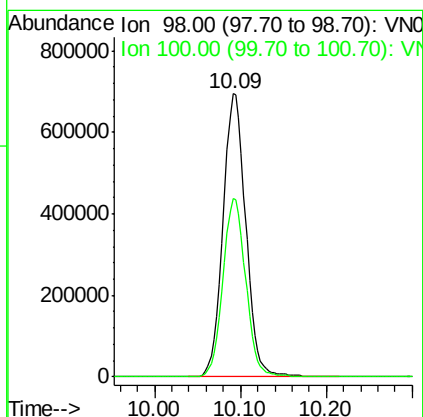
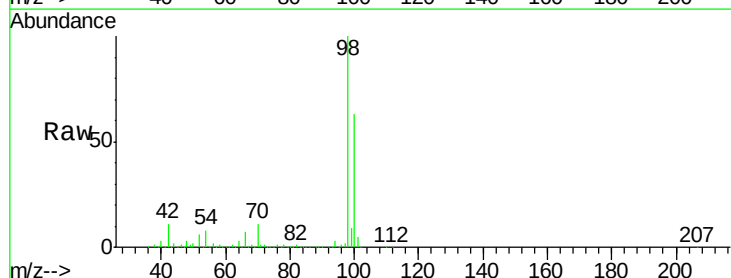
Instrument :
MSVOA_N
ClientSampled :

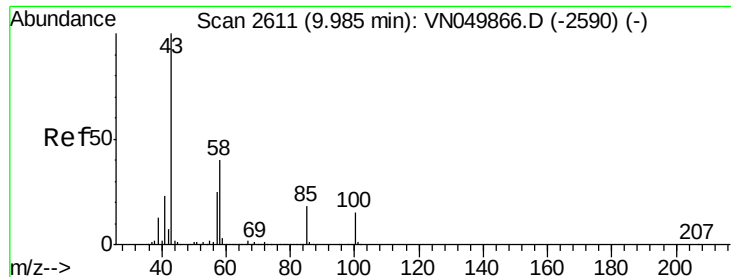
Tot Ion: 41 Resp: 10260
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 14.0 44.7 67.1#



#50
Toluene-d8
Concen: 43.77 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Tgt Ion: 98 Resp: 1284319
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

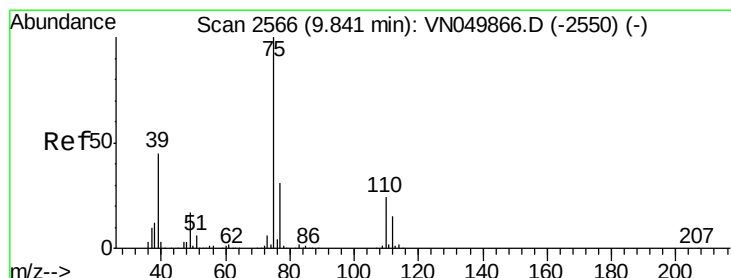
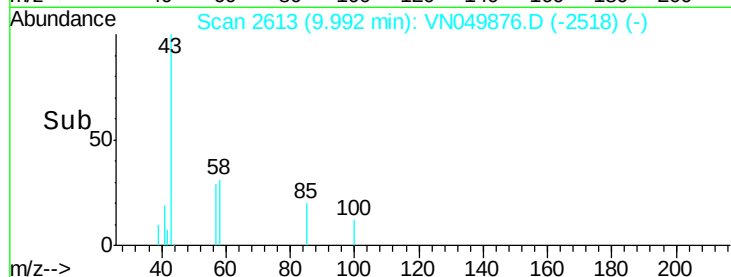
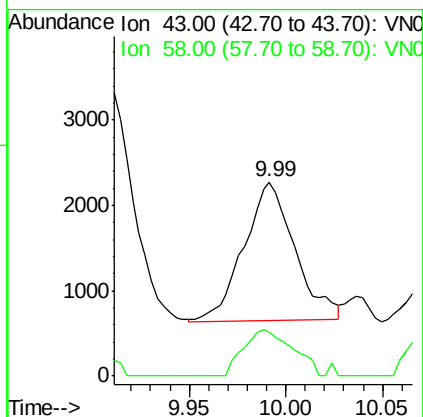
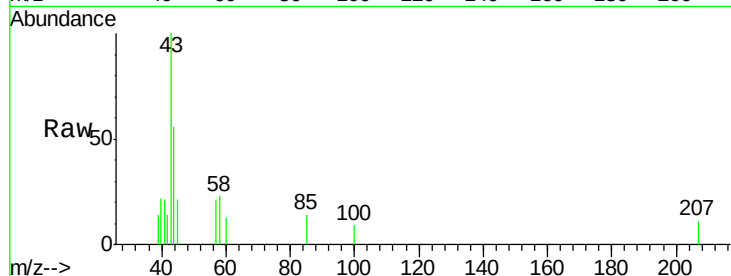




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.01 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

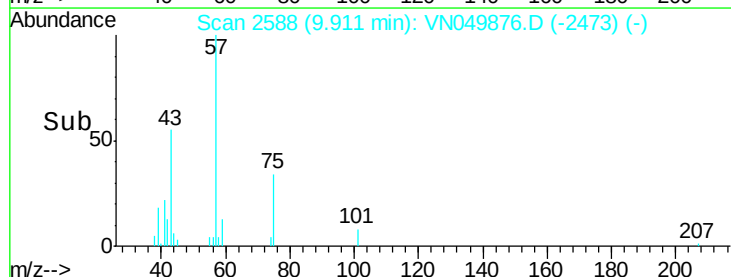
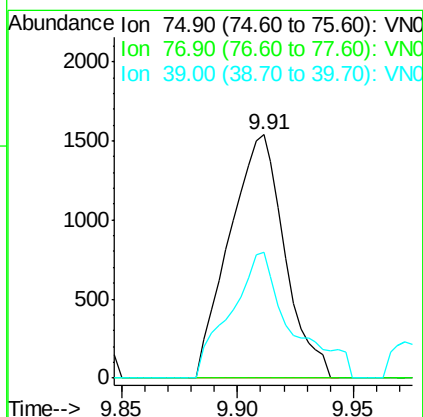
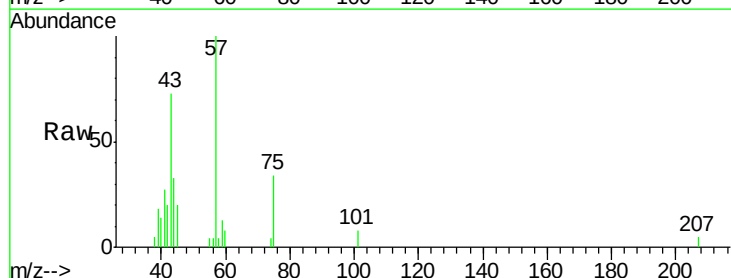
Instrument :
MSVOA_N
ClientSampled :

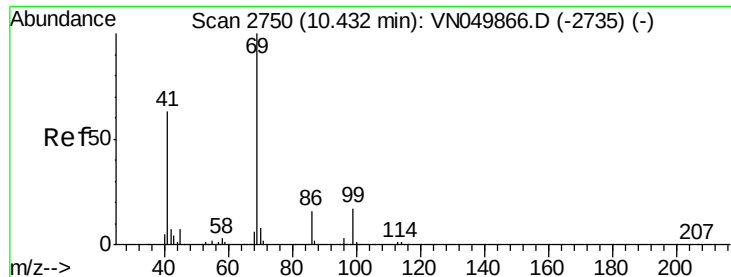
Tot Ion: 43 Resp: 2995
Ion Ratio Lower Upper
43 100
58 32.4 31.8 47.8



#54
cis-1,3-Dichloropropene
Concen: 0.21 ug/l
RT: 9.91 min Scan# 2588
Delta R.T. 0.07 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Tgt Ion: 75 Resp: 2549
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 51.8 35.5 53.3





#56

Ethyl methacrylate

Concen: 2.42 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

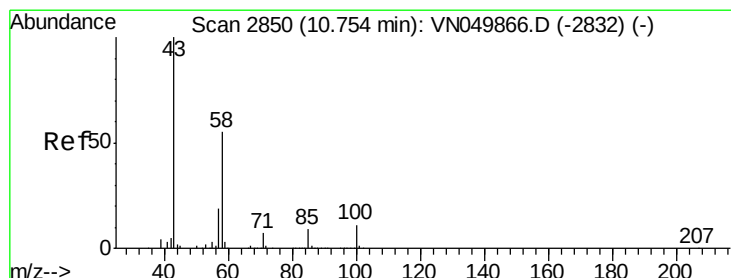
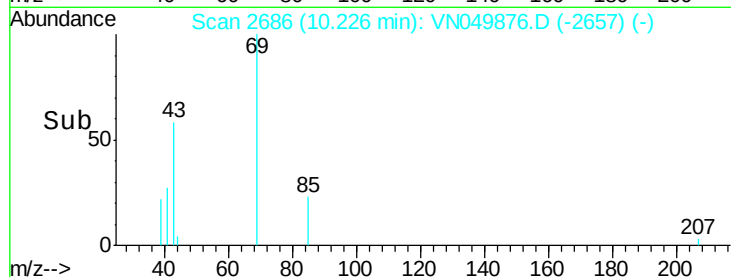
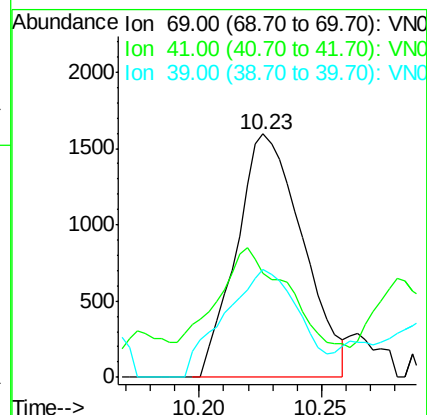
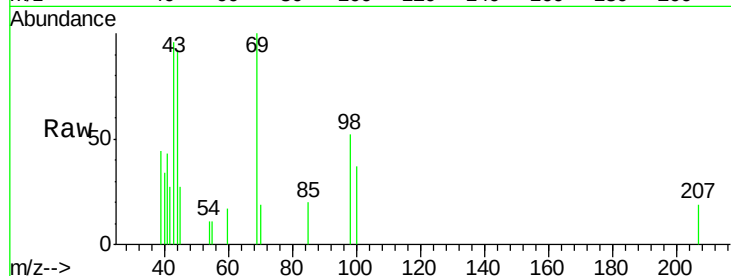
Tot Ion: 69 Resp: 3000

Ion Ratio Lower Upper

69 100

41 60.5 51.6 77.4

39 50.0 25.8 38.8#



#59

2-Hexanone

Concen: 4.72 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN049876.D

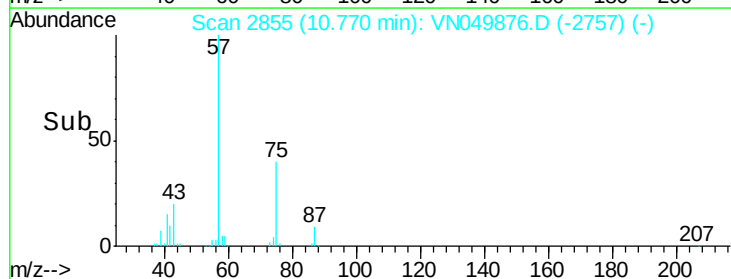
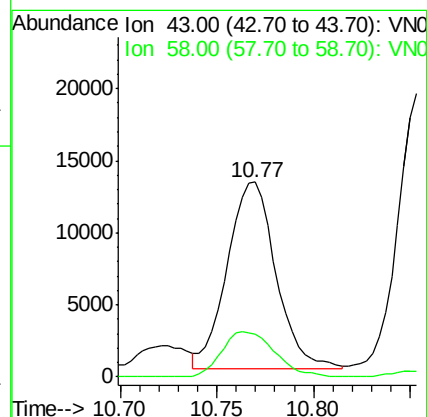
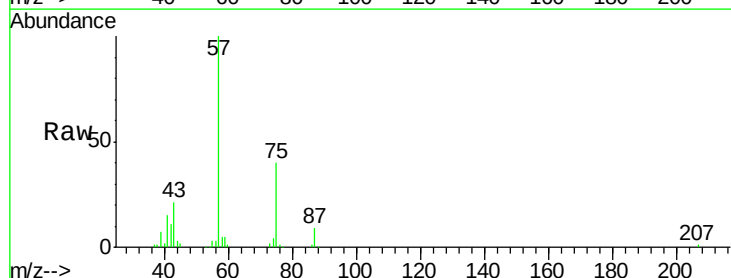
Acq: 18 Jul 2018 16:45

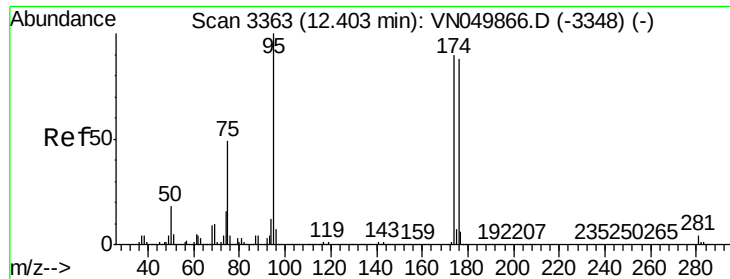
Tgt Ion: 43 Resp: 22659

Ion Ratio Lower Upper

43 100

58 26.5 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 35.18 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

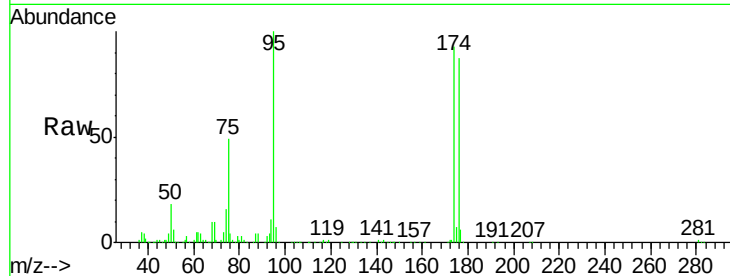
Tot Ion: 95 Resp: 355514

Ion Ratio Lower Upper

95 100

174 93.2 0.0 179.6

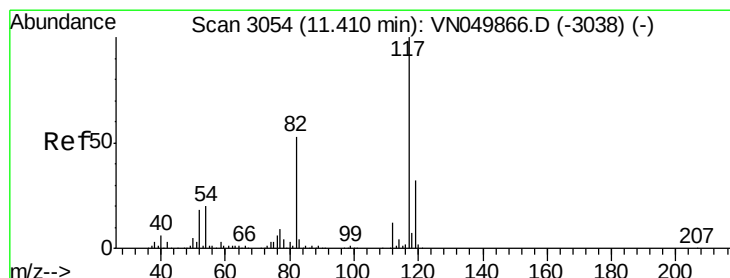
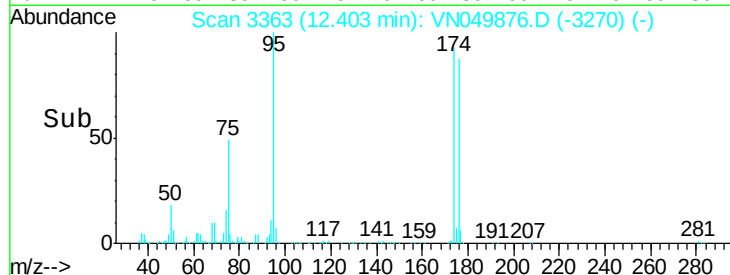
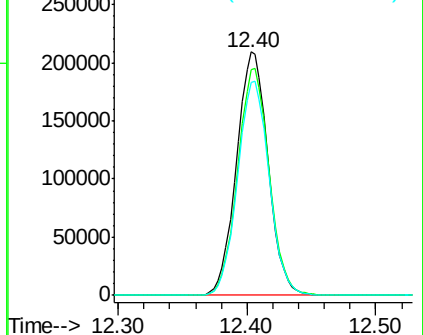
176 88.2 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

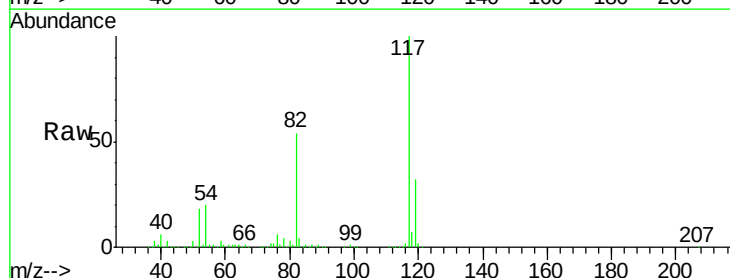
Tgt Ion: 117 Resp: 808928

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

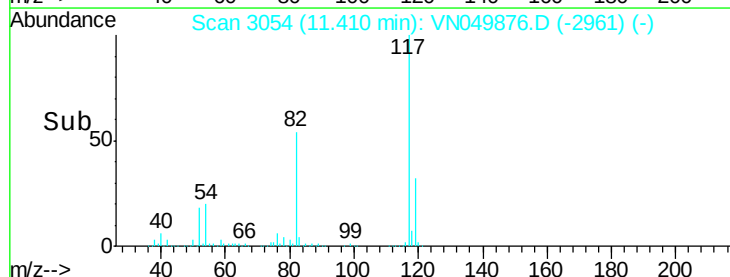
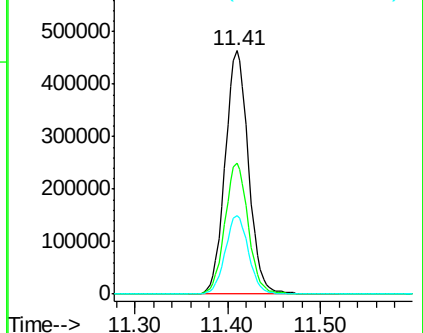
119 32.3 25.4 38.2

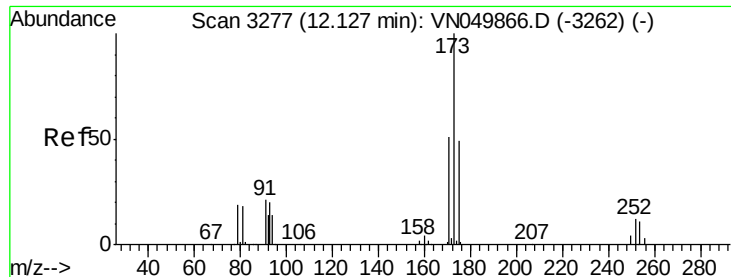


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

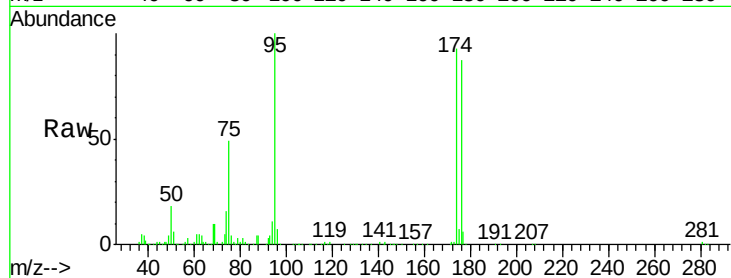
Tot Ion:173 Resp: 1762

Ion Ratio Lower Upper

173 100

175 1103.1 24.6 73.8#

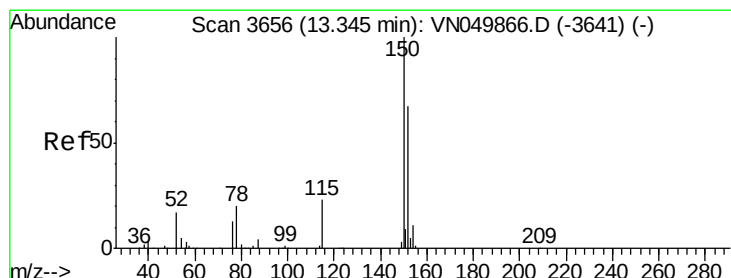
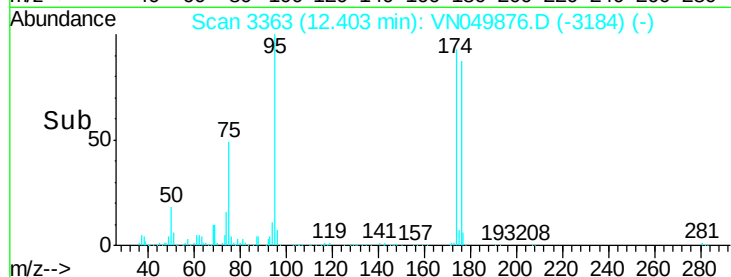
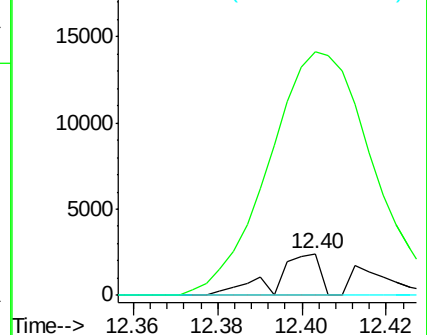
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

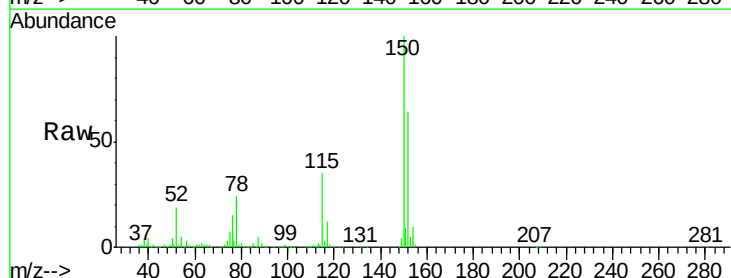
Tgt Ion:152 Resp: 309169

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

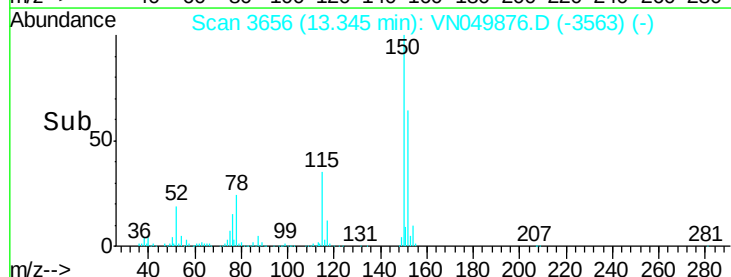
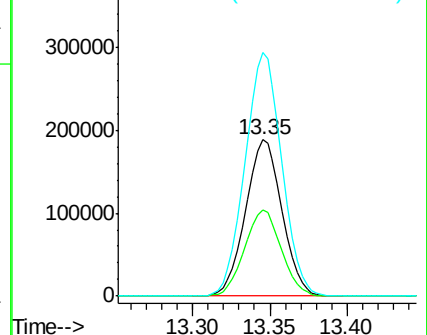
150 157.2 0.0 347.6

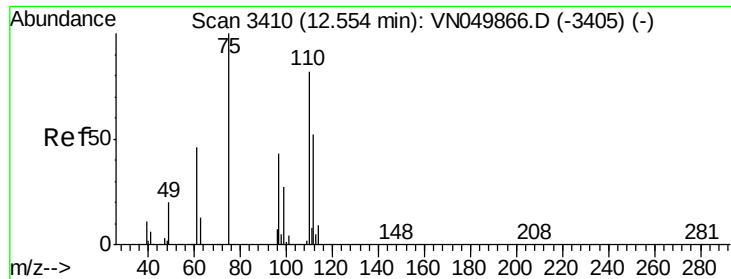


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

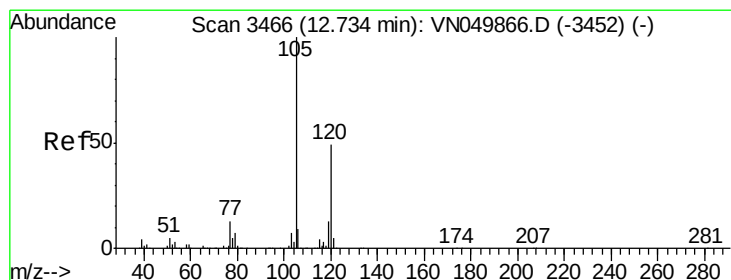
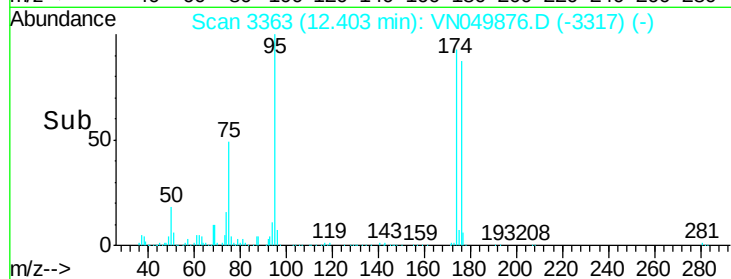
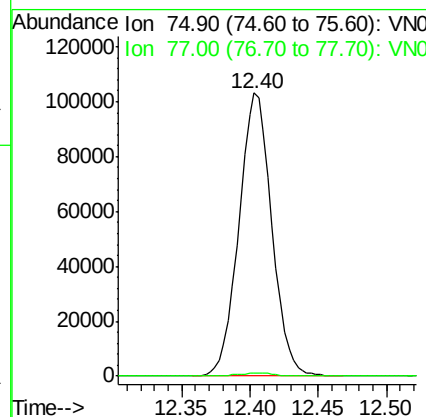
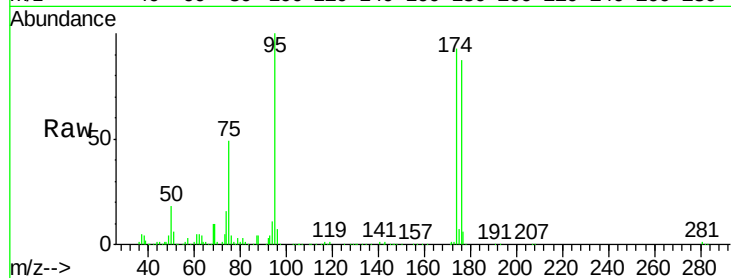




#76
 1,2,3-Trichloropropane
 Concen: 29.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

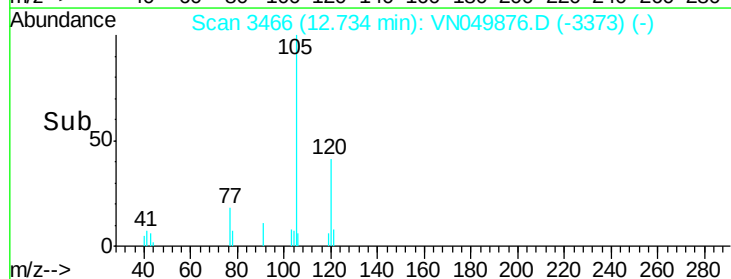
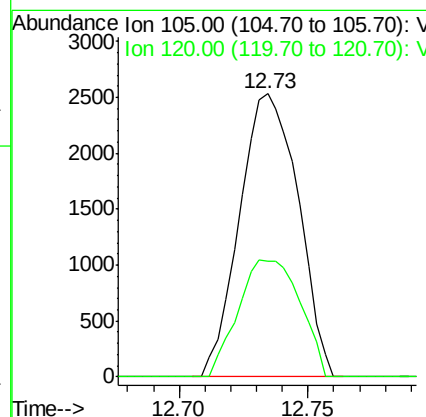
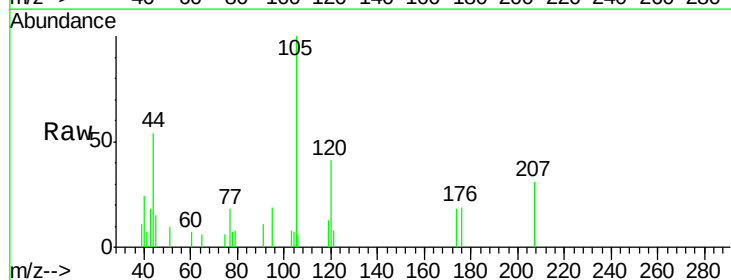
Instrument :
 MSVOA_N
 ClientSampleId :

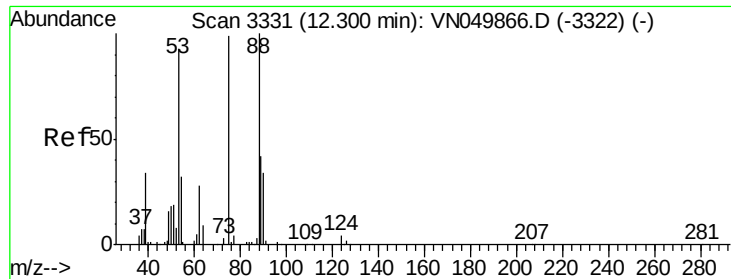
Tot Ion: 75 Resp: 172037
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049876.D
 Acq: 18 Jul 2018 16:45

Tgt Ion: 105 Resp: 4020
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 92.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

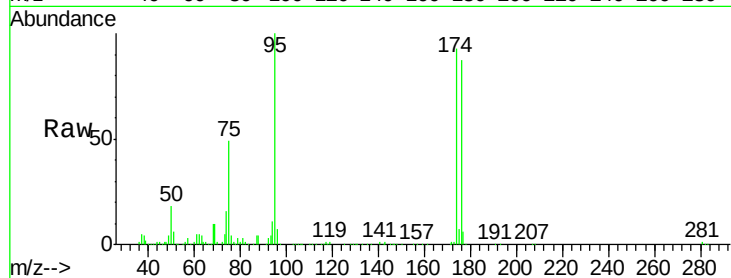
Tot Ion: 75 Resp: 172037

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

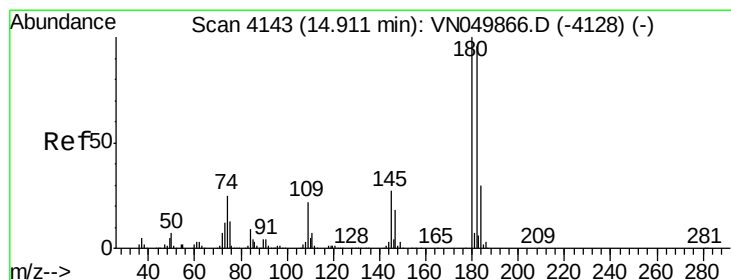
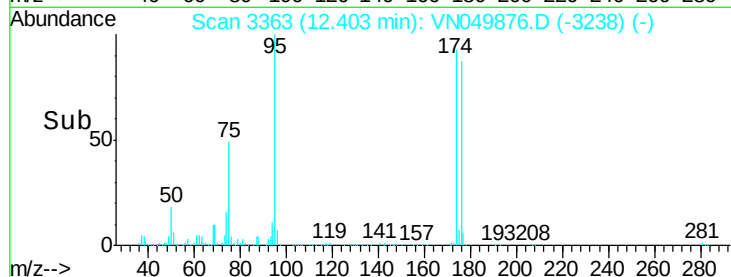
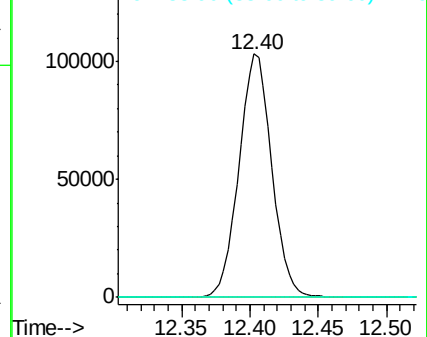
89 0.0 35.9 53.9#



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: 3.55 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049876.D

Acq: 18 Jul 2018 16:45

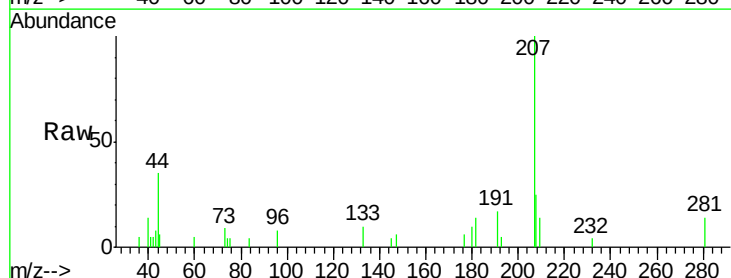
Tgt Ion: 180 Resp: 457

Ion Ratio Lower Upper

180 100

182 98.0 47.3 141.9

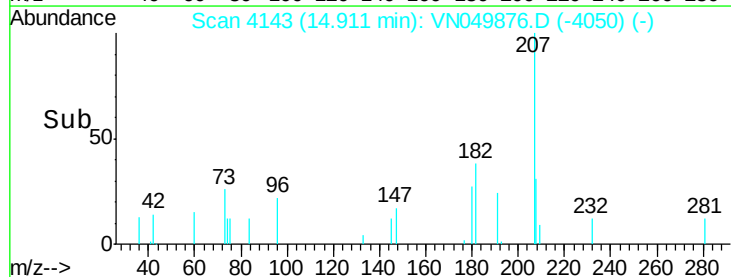
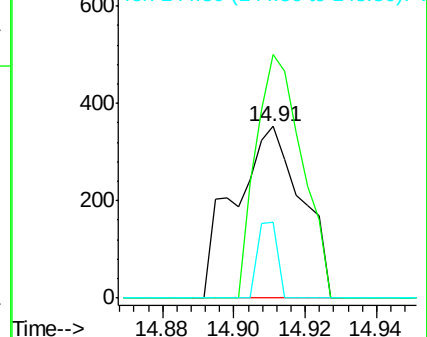
145 13.1 14.4 43.0#

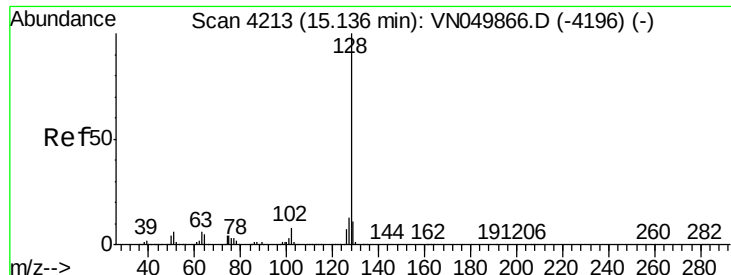


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

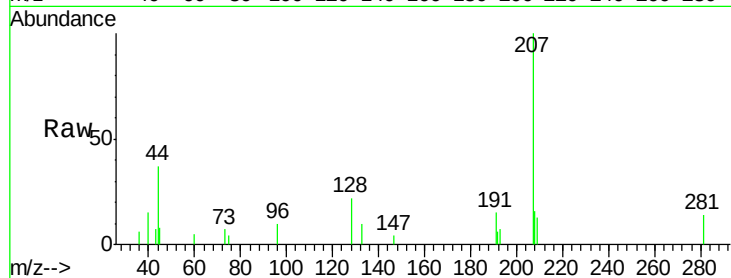




#95
Naphthalene
Concen: 4.57 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049876.D
Acq: 18 Jul 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

