

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049995.D
 Acq On : 21 Jul 2018 7:24
 Operator : MD\SY
 Sample : J4062-30
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Jul 23 01:02:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	541296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	926075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276306	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	398853	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	7.59	113	349543	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
50) Toluene-d8	10.09	98	1236507	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	
62) 4-Bromofluorobenzene	12.40	95	331148	33.94	ug/l	0.00
Spiked Amount			Recovery	=	67.88%	

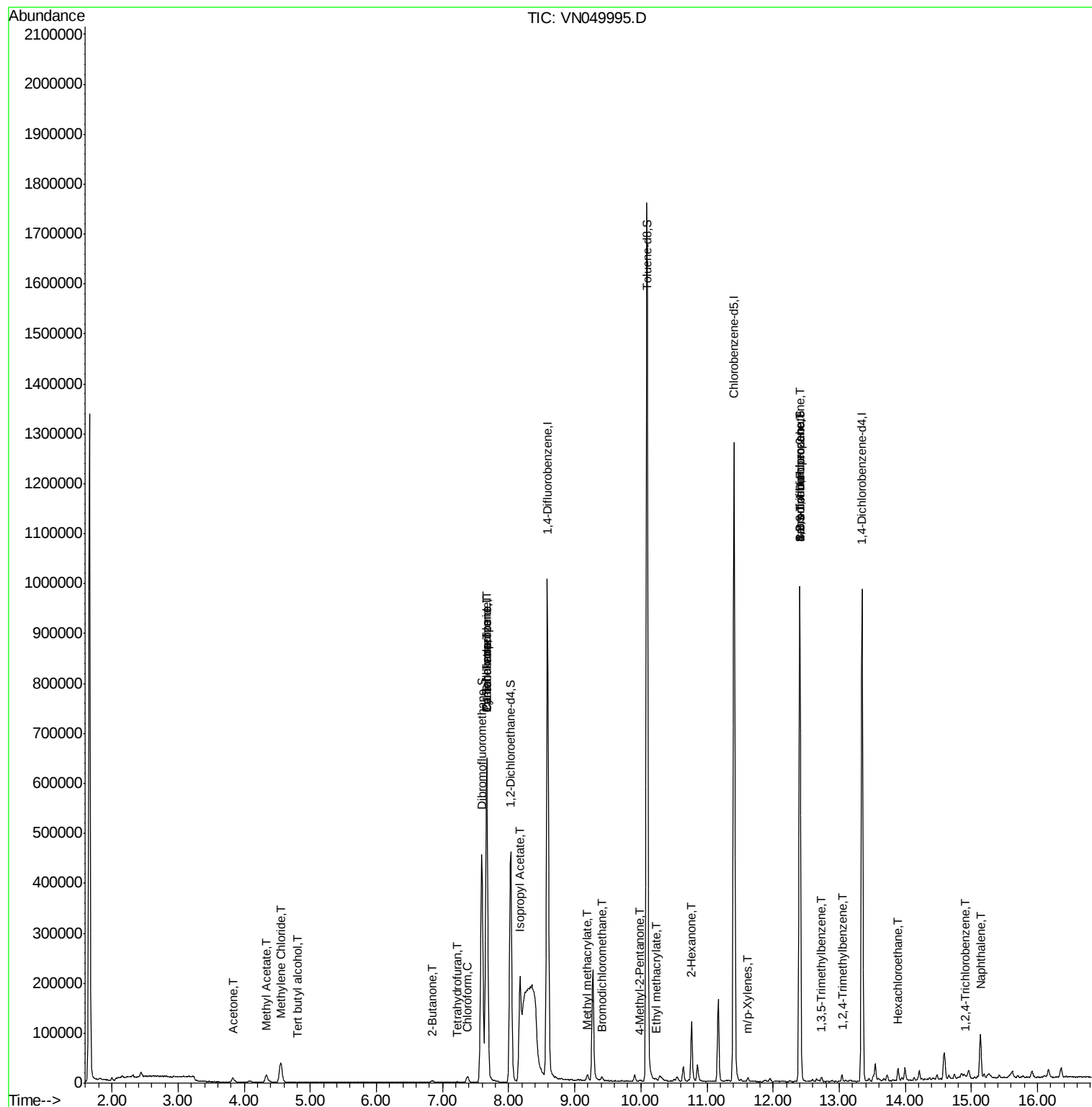
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	608	Below Cal		92
11) Tert butyl alcohol	4.80	59	236	0.45 ug/l	#	72
16) Acetone	3.82	43	15935	8.27 ug/l		100
18) Methyl Acetate	4.34	43	27551	3.79 ug/l		99
20) Methylene Chloride	4.55	84	30326	4.14 ug/l		98
25) 2-Butanone	6.84	43	2086	0.76 ug/l	#	81
29) Tetrahydrofuran	7.22	42	1018	0.59 ug/l	#	58
30) Chloroform	7.37	83	13123	1.05 ug/l		97
31) Cyclohexane	7.67	56	10684	1.08 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	38371	3.73 ug/l	#	49
38) Carbon Tetrachloride	7.67	117	49732	4.51 ug/l	#	17
43) Isopropyl Acetate	8.17	43	255393	20.67 ug/l		94
47) Bromodichloromethane	9.41	83	4031	0.37 ug/l	#	88
48) Methyl methacrylate	9.18	41	7923	1.28 ug/l	#	22
51) 4-Methyl-2-Pentanone	9.99	43	2504	0.36 ug/l	#	70
56) Ethyl methacrylate	10.23	69	2528	2.39 ug/l	#	68
59) 2-Hexanone	10.77	43	16075	3.47 ug/l	#	58
68) m/p-Xylenes	11.62	106	2594	0.22 ug/l		88
71) Bromoform	12.41	173	2149	0.41 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	161976	31.25 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	3924	0.23 ug/l		93
81) trans-1,4-Dichloro-2-buten	12.40	75	161976	97.72 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.04	105	7279	0.43 ug/l		92
90) Hexachloroethane	13.89	117	1872	0.50 ug/l	#	4
93) 1,2,4-Trichlorobenzene	14.92	180	589	3.58 ug/l	#	37
95) Naphthalene	15.14	128	78077	9.92 ug/l		99

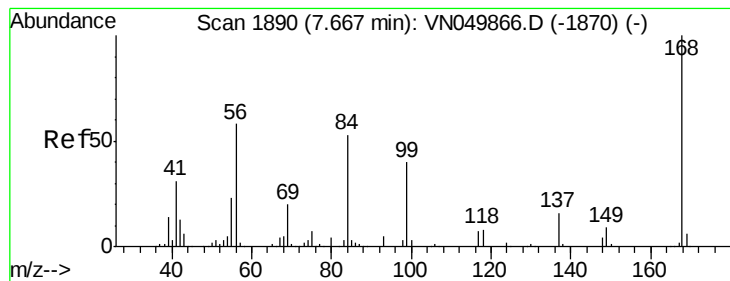
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072018\
Data File : VN049995.D
Acq On : 21 Jul 2018 7:24
Operator : MD\SY
Sample : J4062-30
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-9

Quant Time: Jul 23 01:02:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 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: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

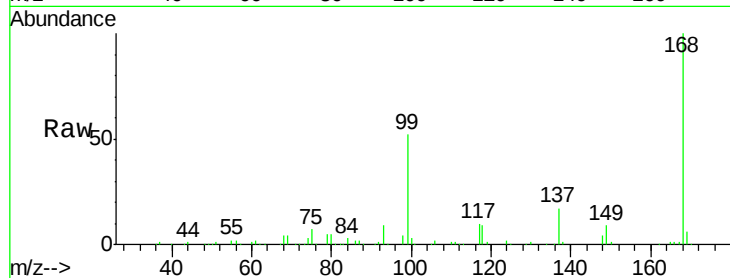
TP-9

Tot Ion:168 Resp: 541296

Ion Ratio Lower Upper

168 100

99 52.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

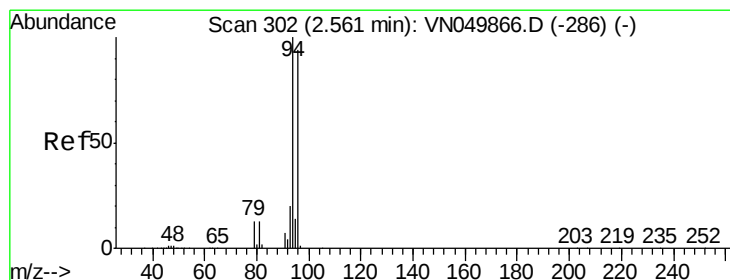
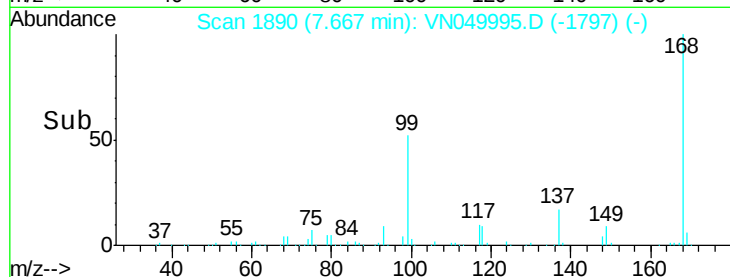
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049995.D

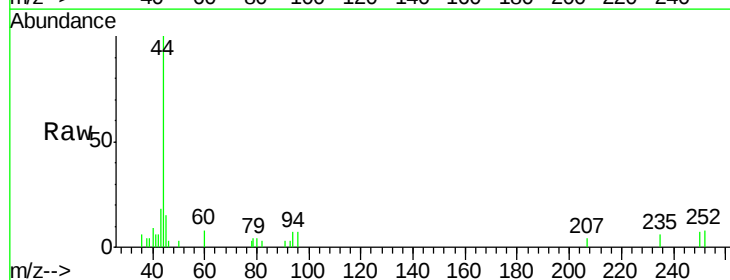
Acq: 21 Jul 2018 7:24

Tgt Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

96 102.5 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

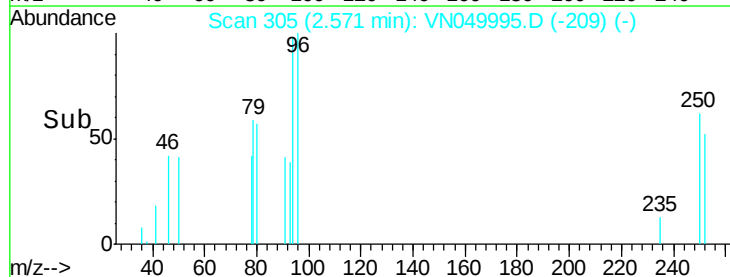
300

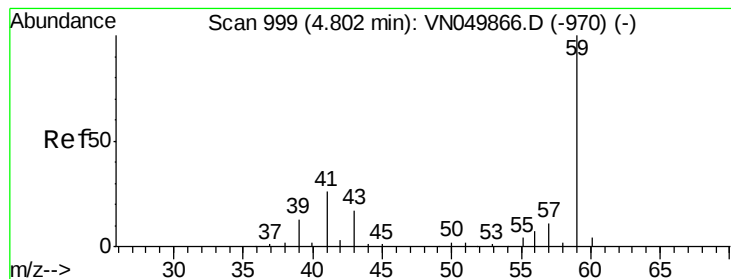
200

100

0

Time-->



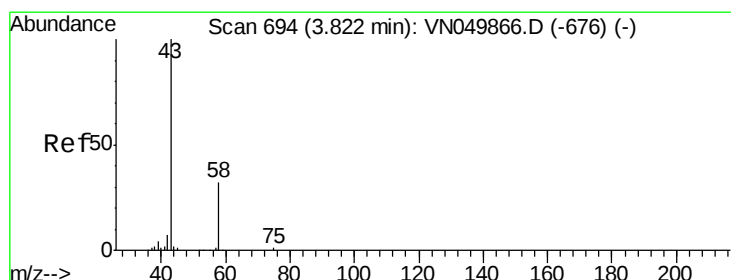
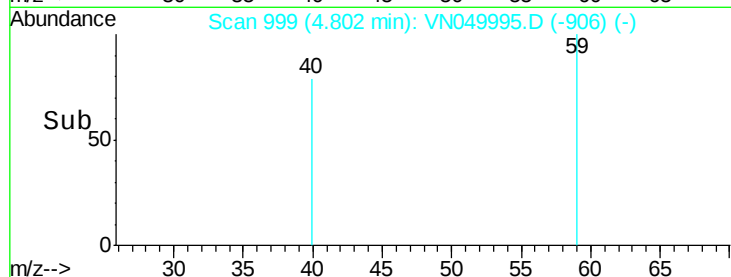
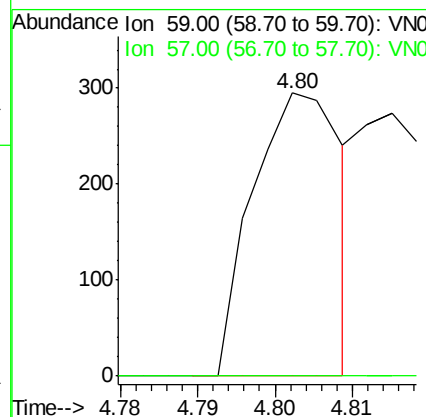
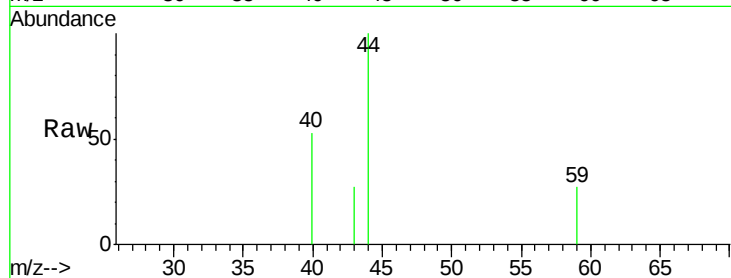


#11

Tert butyl alcohol
 Concen: 0.45 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

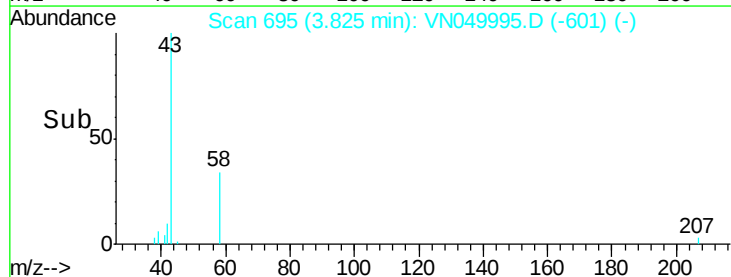
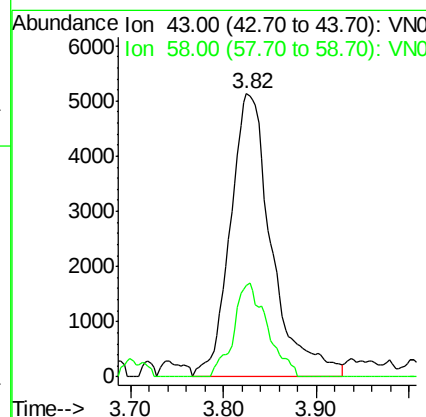
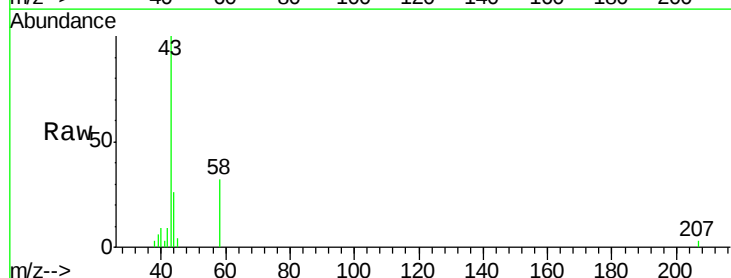
Tot Ion: 59 Resp: 236
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

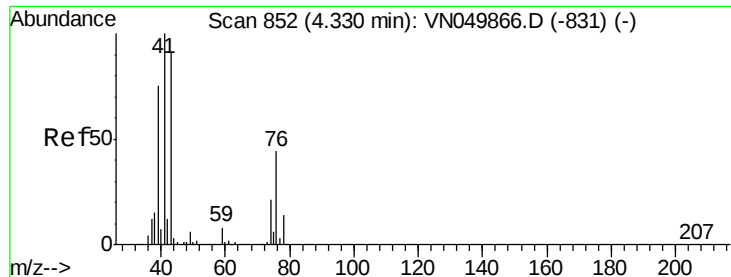


#16

Acetone
 Concen: 8.27 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Tgt Ion: 43 Resp: 15935
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.9 38.9

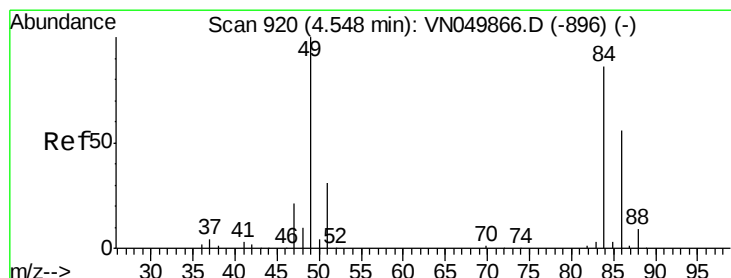
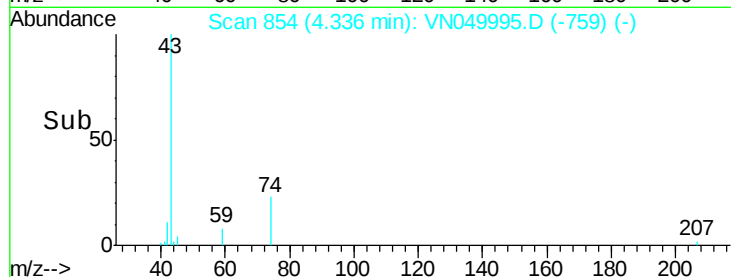
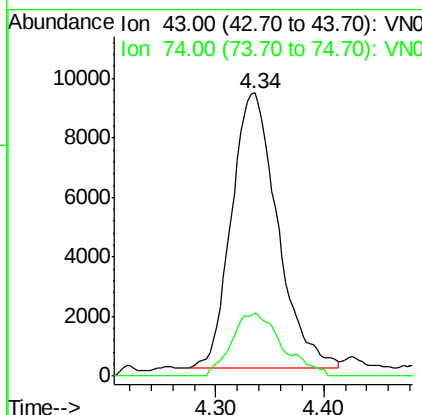
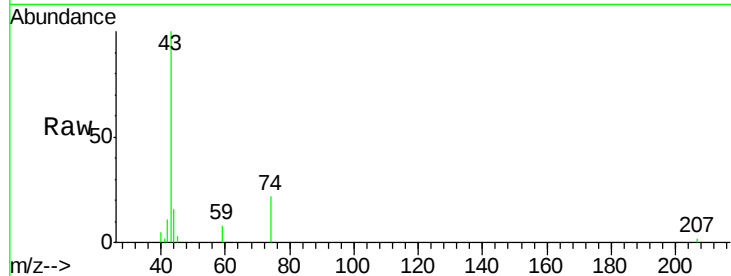




#18
Methvl Acetate
Concen: 3.79 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049995.D
Acq: 21 Jul 2018 7:24

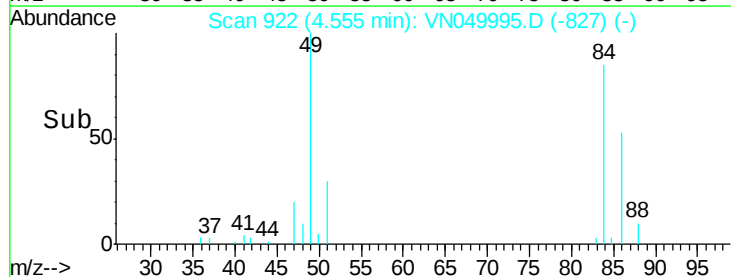
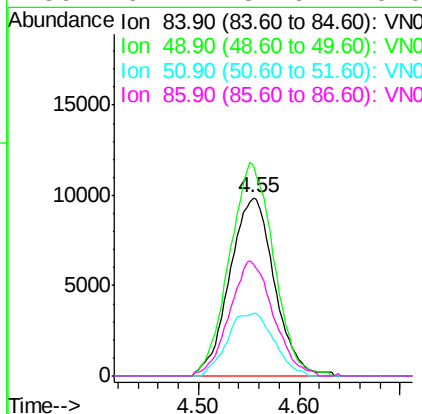
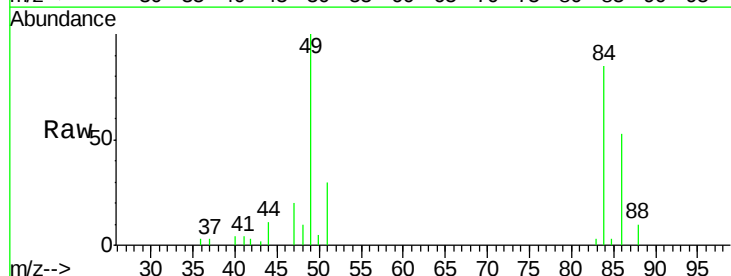
Instrument :
MSVOA_N
ClientSampled :
TP-9

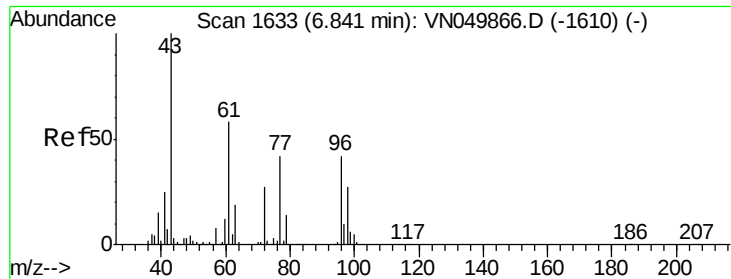
Tot Ion: 43 Resp: 27551
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8



#20
Methylene Chloride
Concen: 4.14 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN049995.D
Acq: 21 Jul 2018 7:24

Tgt Ion: 84 Resp: 30326
Ion Ratio Lower Upper
84 100
49 118.1 95.4 143.2
51 35.6 28.4 42.6
86 62.7 52.6 79.0





#25

2-Butanone

Concen: 0.76 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

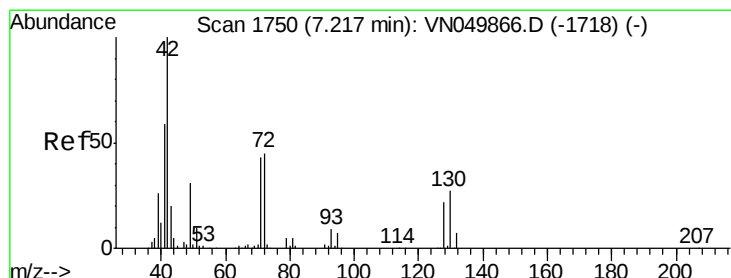
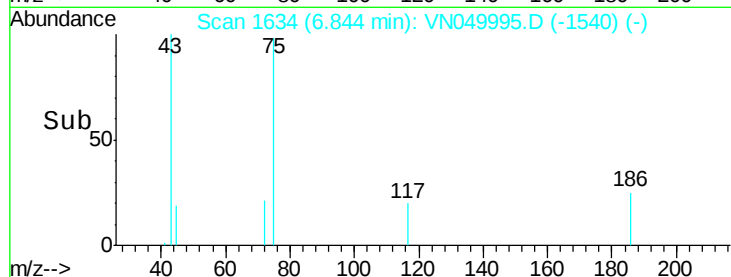
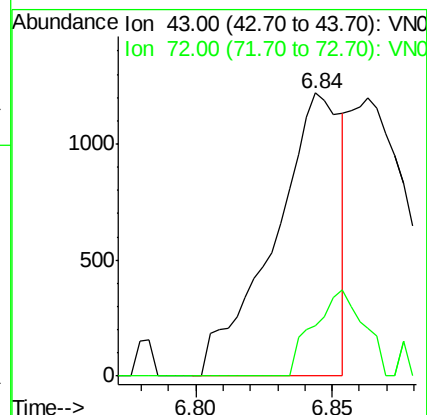
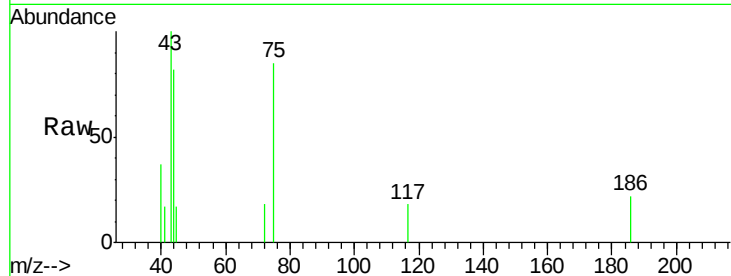
TP-9

Tot Ion: 43 Resp: 2086

Ion Ratio Lower Upper

43 100

72 17.9 22.1 33.1#



#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

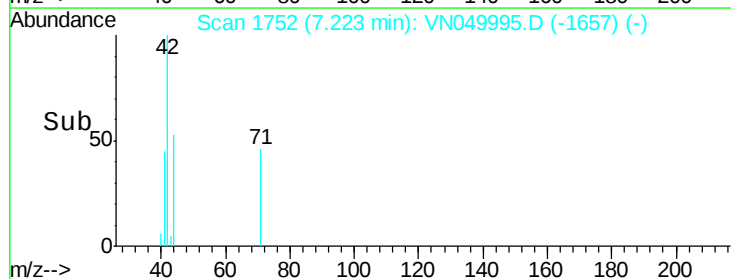
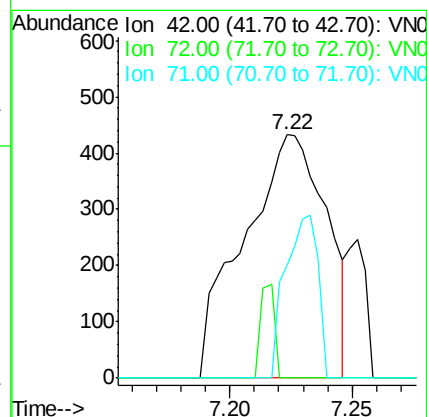
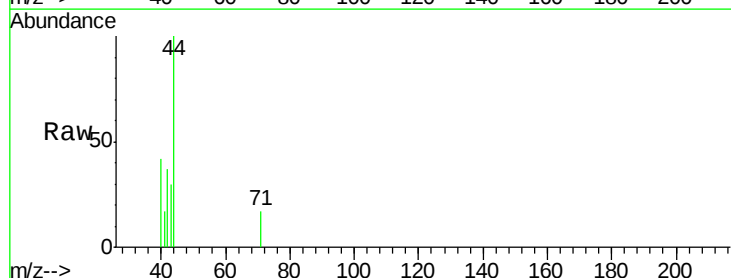
Tgt Ion: 42 Resp: 1018

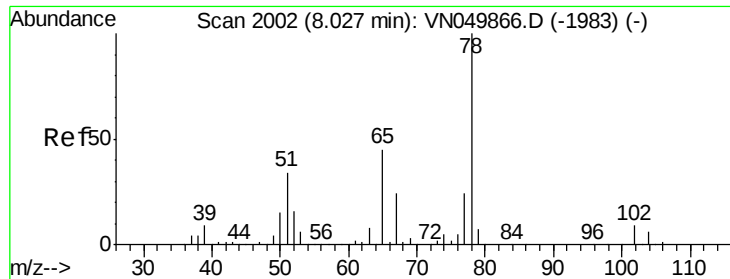
Ion Ratio Lower Upper

42 100

72 6.2 35.6 53.4#

71 26.4 34.0 51.0#

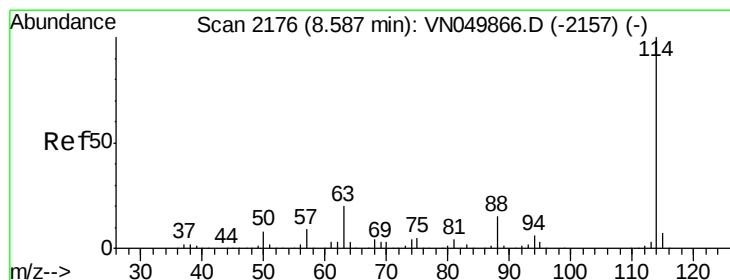
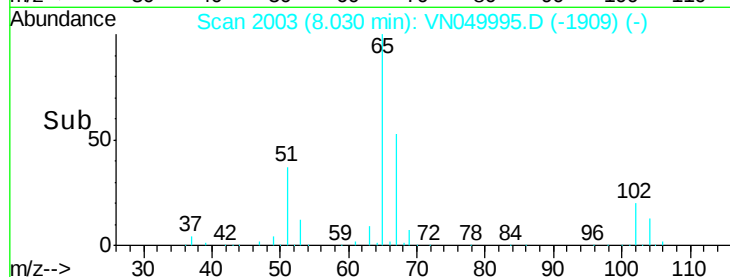
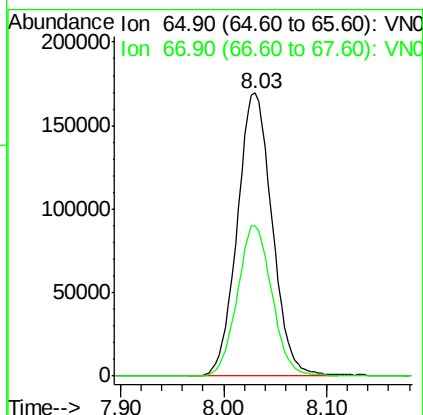
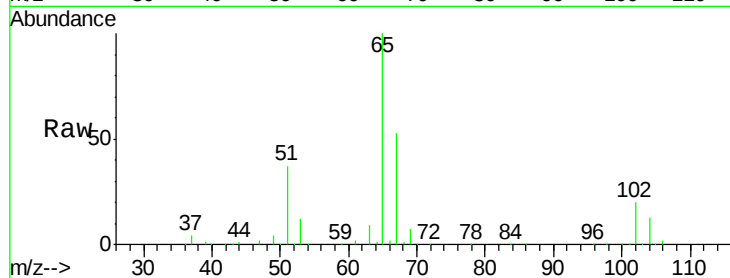




#33
 1,2-Dichloroethane-d4
 Concen: 53.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

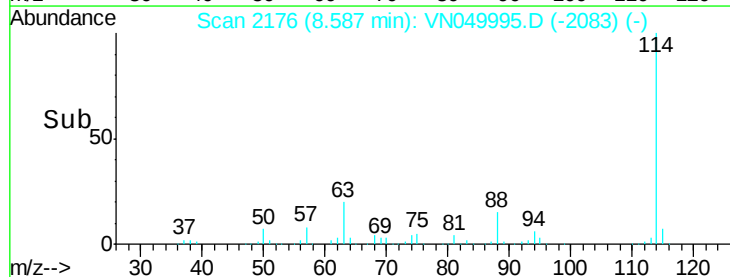
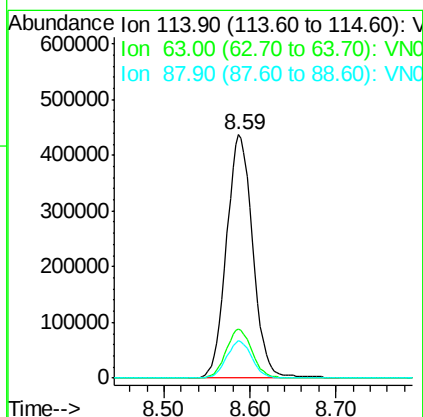
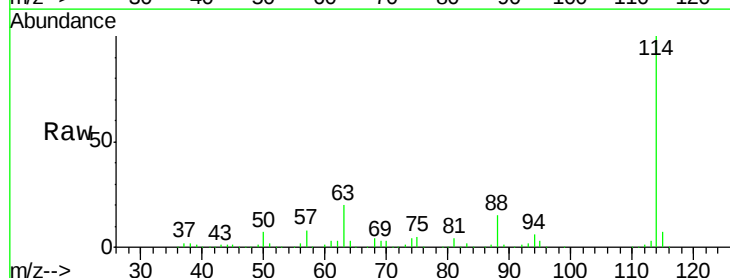
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

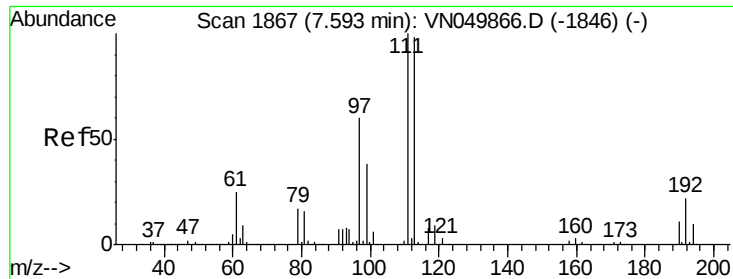
Tot Ion: 65 Resp: 398853
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Tgt Ion: 114 Resp: 926075
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.3 0.0 30.6

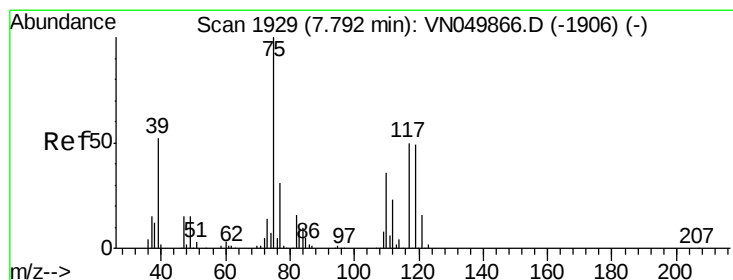
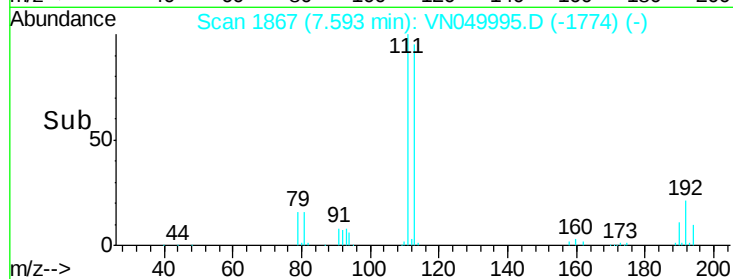
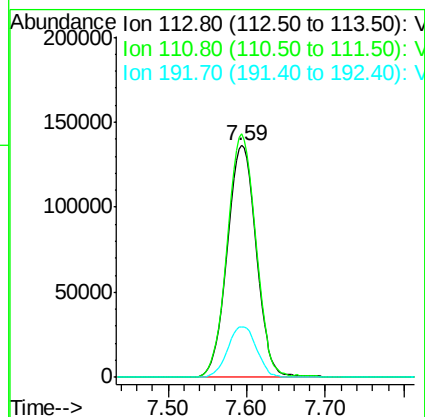
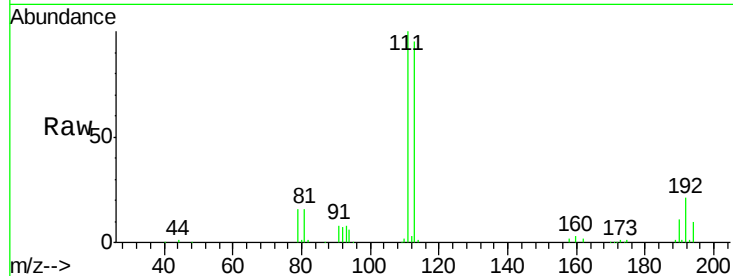




#35
 Dibromofluoromethane
 Concen: 44.96 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

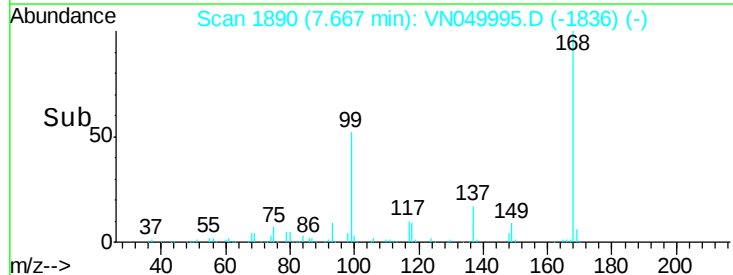
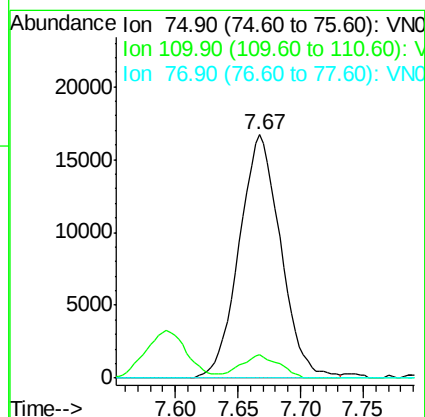
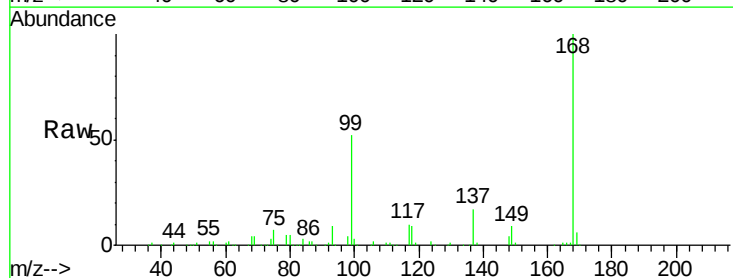
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

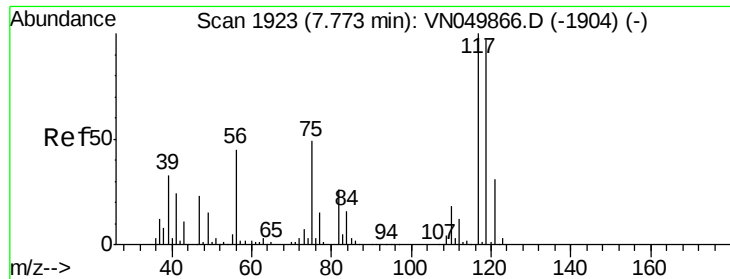
Tot Ion:113 Resp: 349543
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Tgt Ion: 75 Resp: 38371
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.51 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampleId :

TP-9

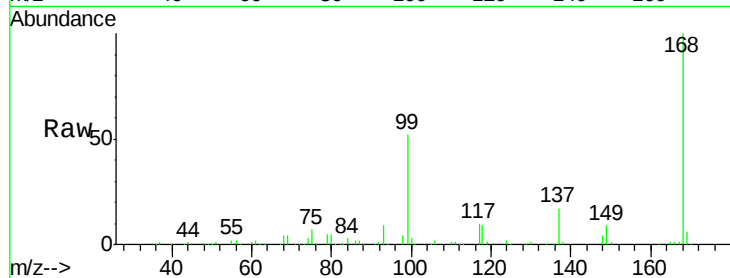
Tot Ion:117 Resp: 49732

Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

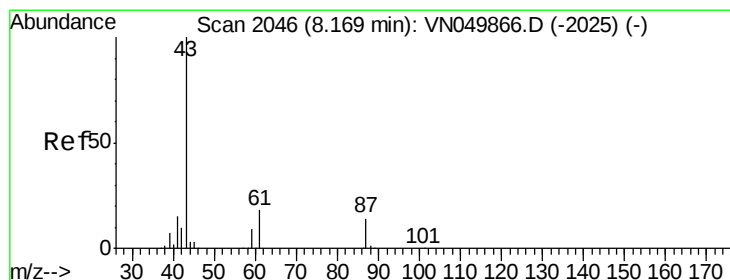
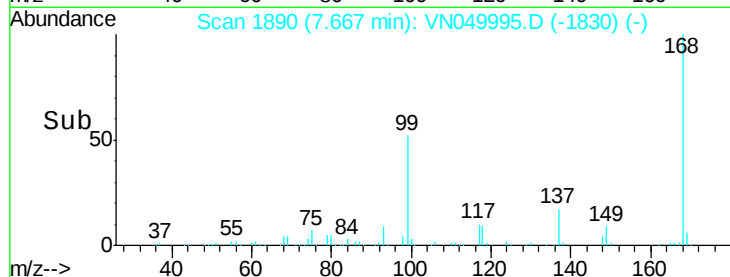
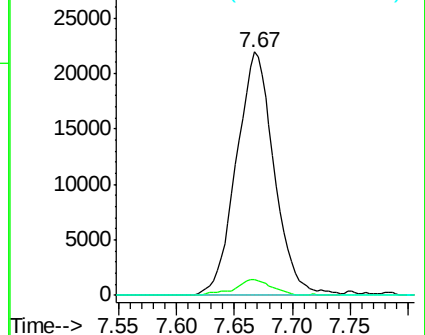
121 0.0 25.0 37.6#



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: 20.67 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

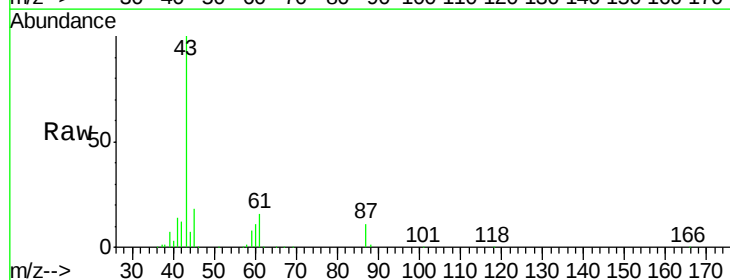
Tgt Ion: 43 Resp: 255393

Ion Ratio Lower Upper

43 100

61 15.5 14.9 22.3

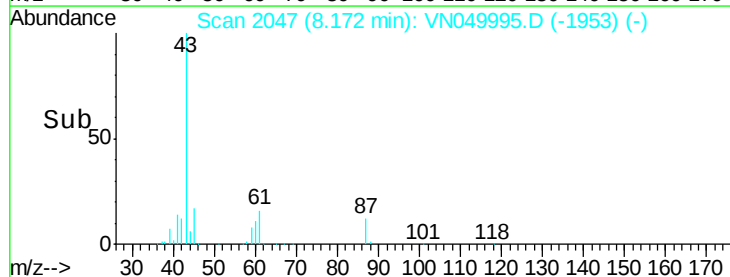
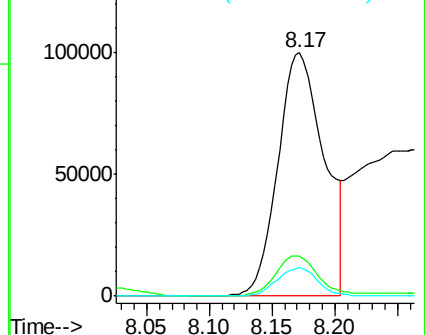
87 10.3 10.0 15.0

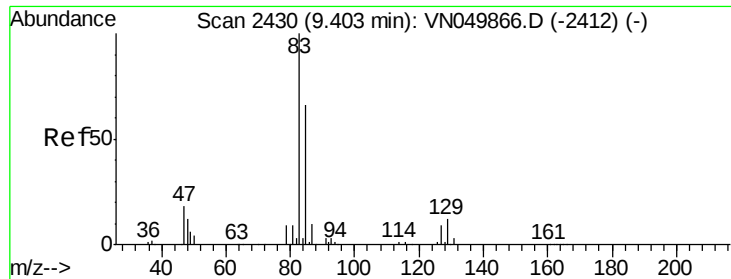


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.37 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

TP-9

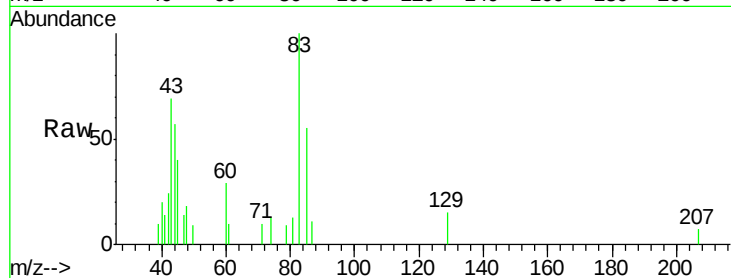
Tot Ion: 83 Resp: 4031

Ion Ratio Lower Upper

83 100

85 55.1 50.5 75.7

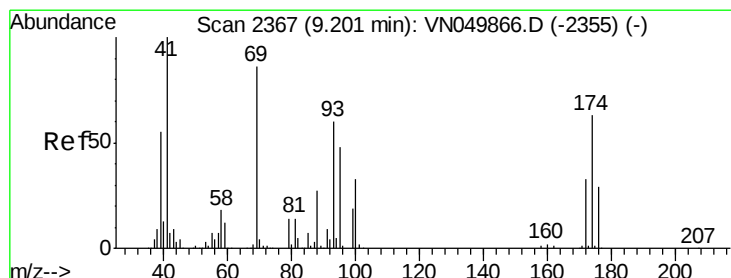
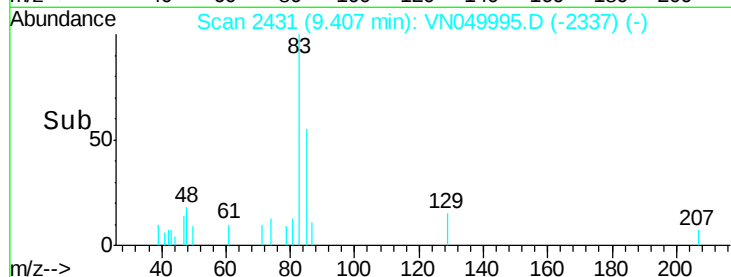
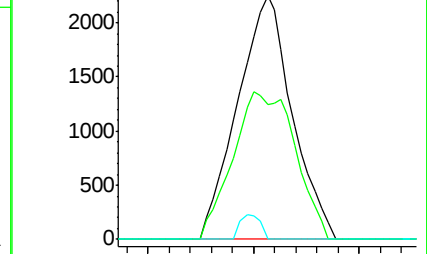
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN049995.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049995.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049995.D (-2337) (-)



#48

Methyl methacrylate

Concen: 1.28 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

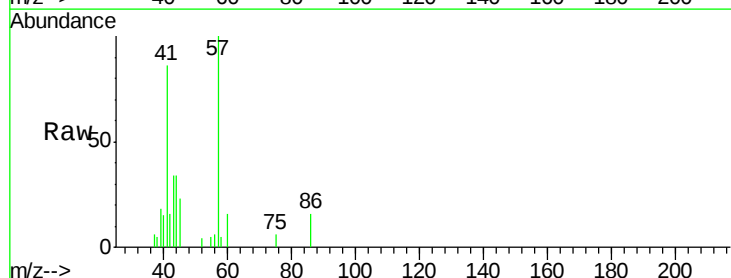
Tgt Ion: 41 Resp: 7923

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

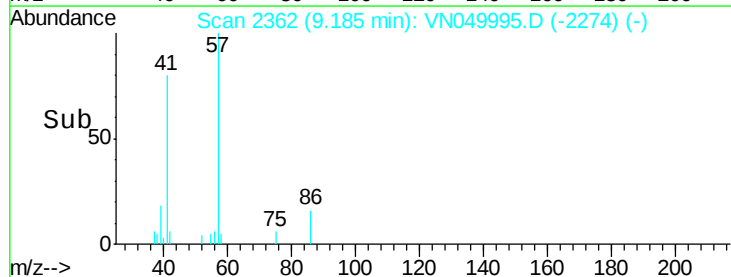
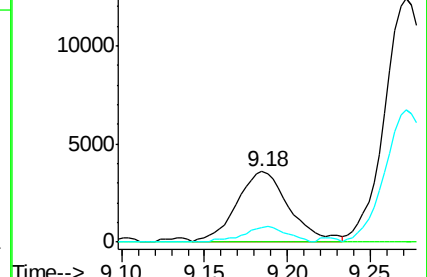
39 18.5 44.7 67.1#

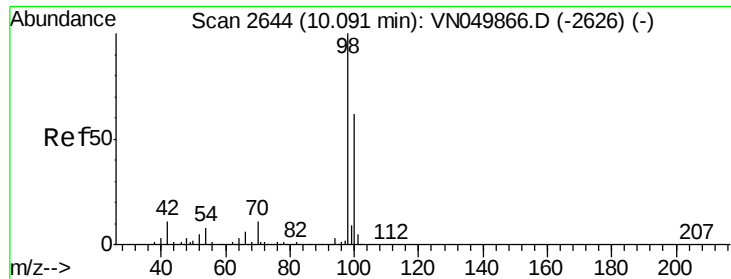


Abundance Ion 41.00 (40.70 to 41.70): VN049995.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049995.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049995.D (-2274) (-)





#50

Toluene-d8

Concen: 43.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

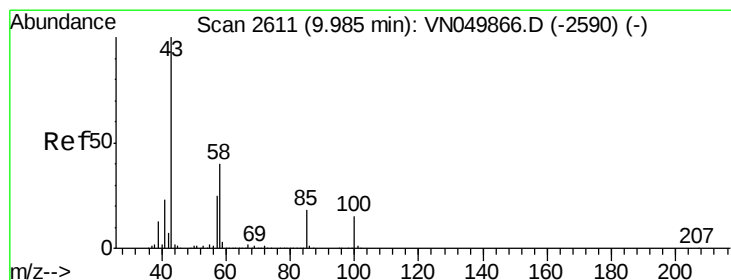
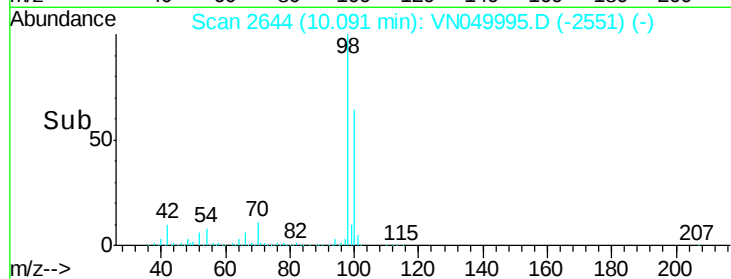
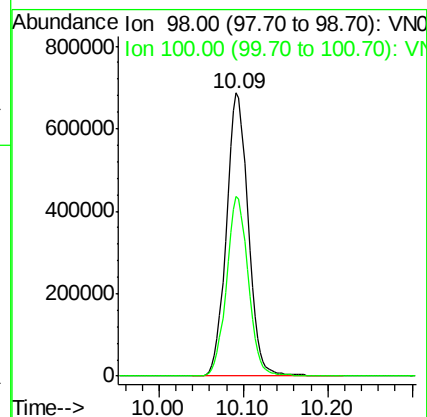
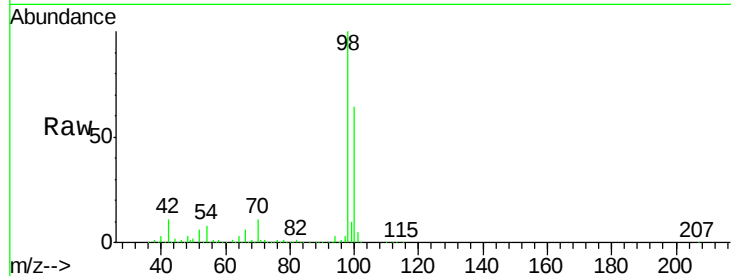
TP-9

Tot Ion: 98 Resp: 1236507

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN049995.D

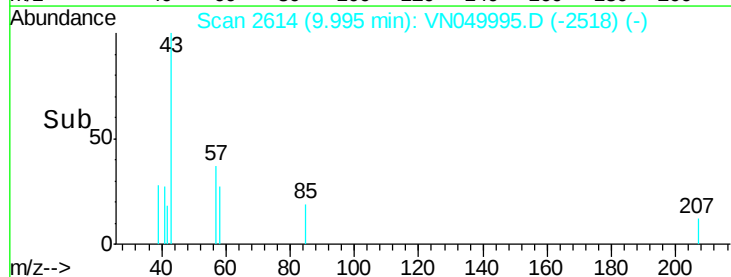
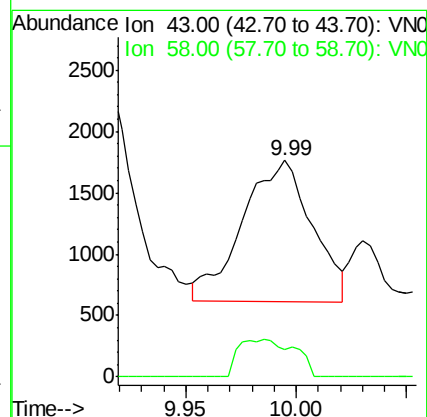
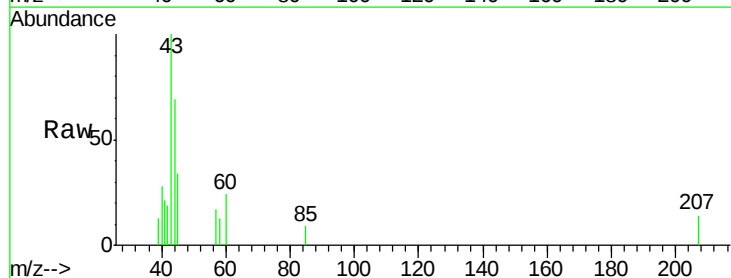
Acq: 21 Jul 2018 7:24

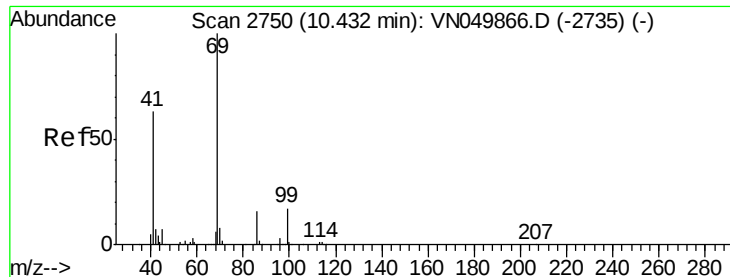
Tgt Ion: 43 Resp: 2504

Ion Ratio Lower Upper

43 100

58 21.6 31.8 47.8#





#56

Ethyl methacrylate

Concen: 2.39 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

TP-9

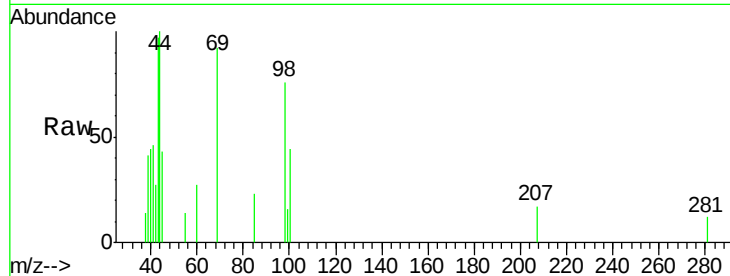
Tot Ion: 69 Resp: 2528

Ion Ratio Lower Upper

69 100

41 35.0 51.6 77.4#

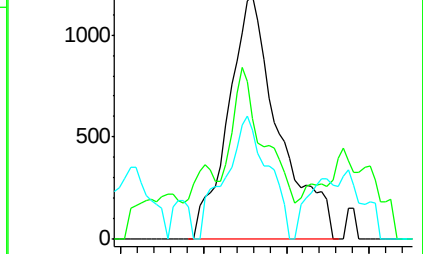
39 43.3 25.8 38.8#



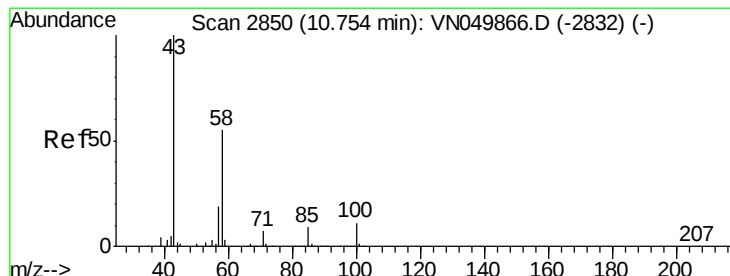
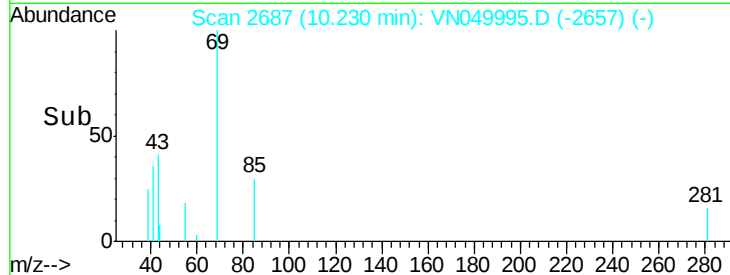
Abundance Ion 69.00 (68.70 to 69.70): VN049995.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049995.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049995.D (-2657) (-)



Time-->



#59

2-Hexanone

Concen: 3.47 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049995.D

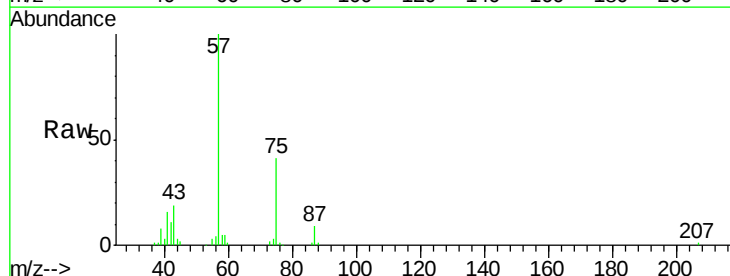
Acq: 21 Jul 2018 7:24

Tgt Ion: 43 Resp: 16075

Ion Ratio Lower Upper

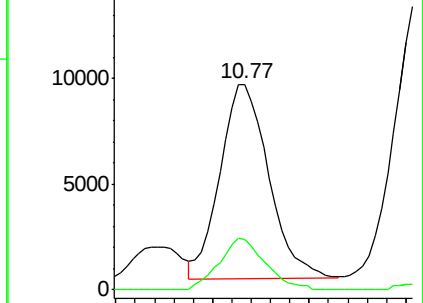
43 100

58 25.1 27.8 83.4#

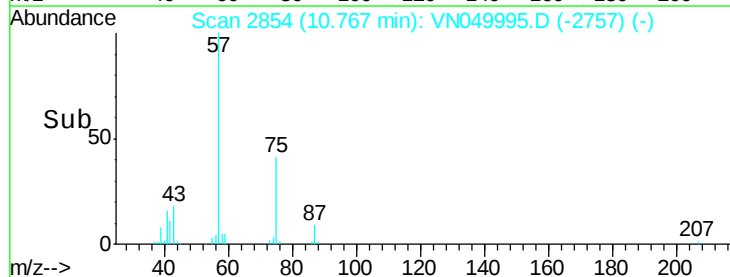


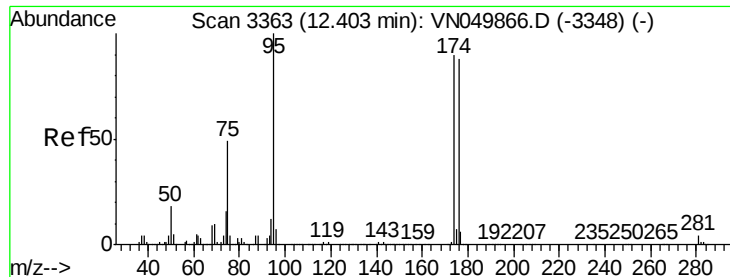
Abundance Ion 43.00 (42.70 to 43.70): VN049995.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049995.D (-2757) (-)



Time-->

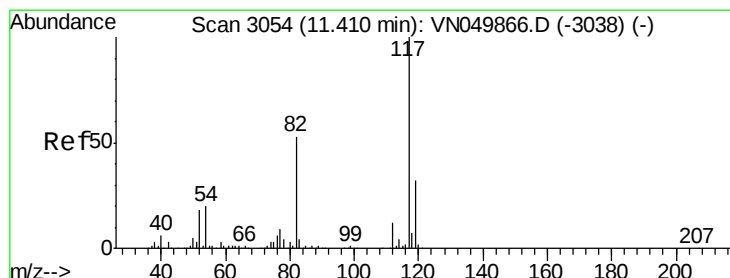
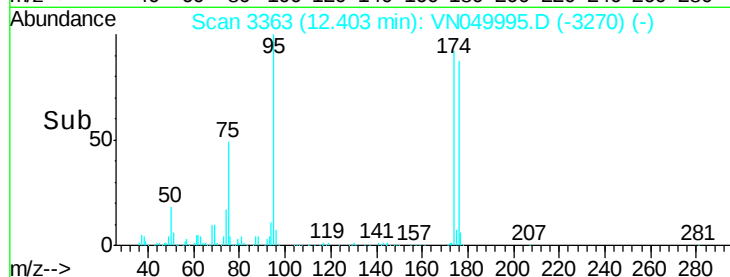
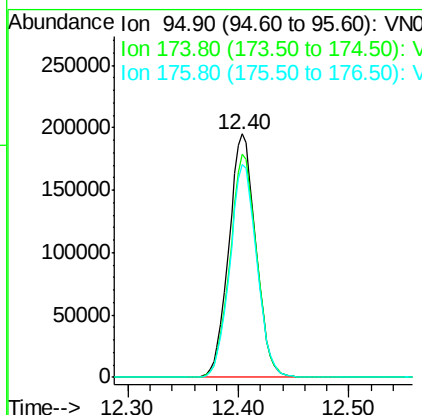
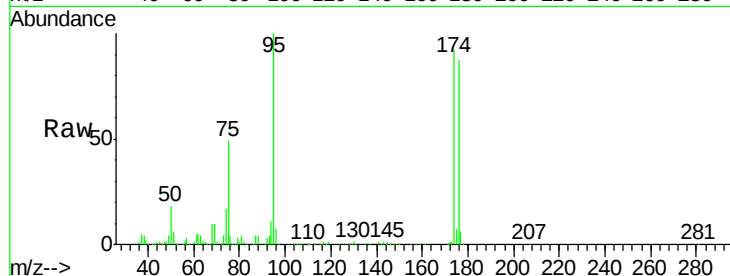




#62
4-Bromofluorobenzene
Concen: 33.94 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049995.D
Acq: 21 Jul 2018 7:24

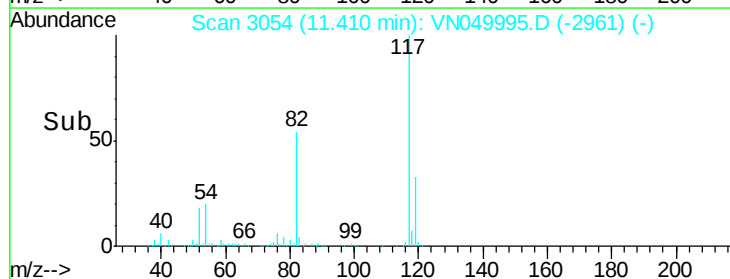
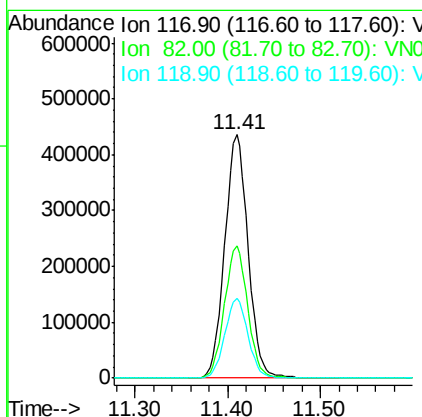
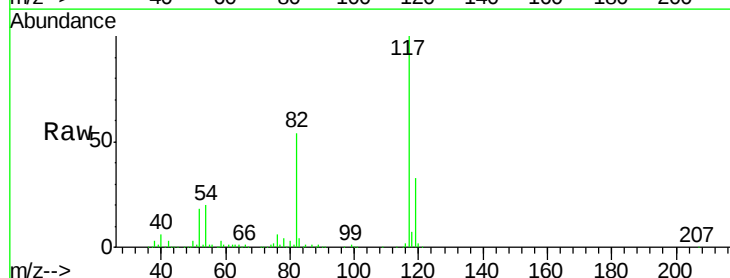
Instrument :
MSVOA_N
ClientSampled :
TP-9

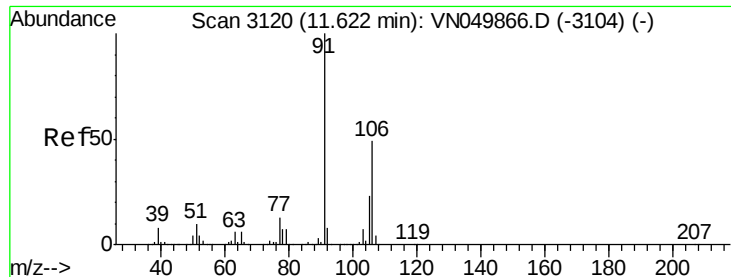
Tot Ion: 95 Resp: 331148
Ion Ratio Lower Upper
95 100
174 90.8 0.0 179.6
176 87.0 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049995.D
Acq: 21 Jul 2018 7:24

Tgt Ion: 117 Resp: 759905
Ion Ratio Lower Upper
117 100
82 54.1 41.9 62.9
119 32.6 25.4 38.2





#68

m/p-Xvlenes

Concen: 0.22 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

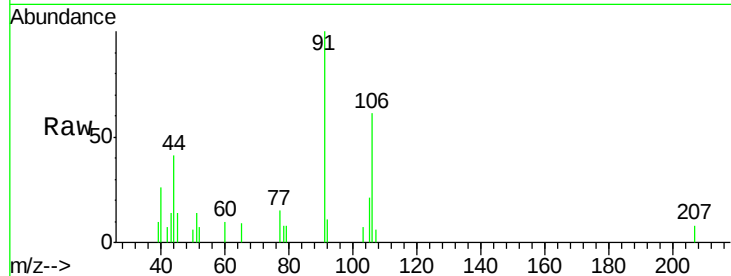
TP-9

Tot Ion:106 Resp: 2594

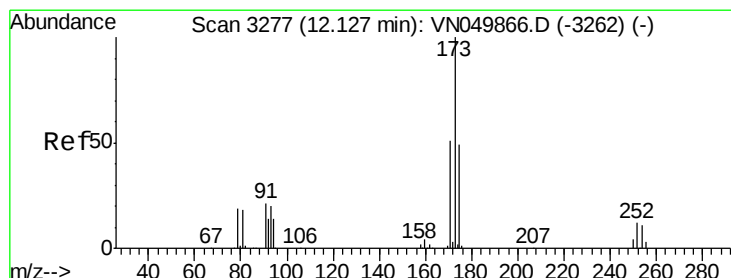
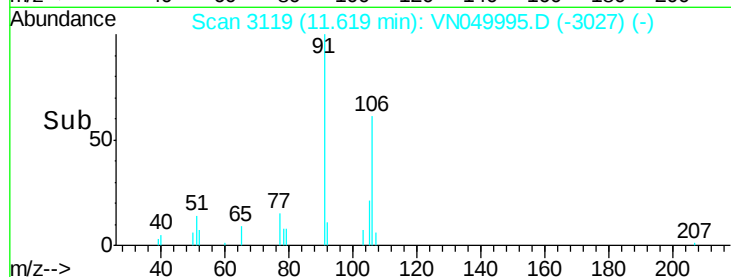
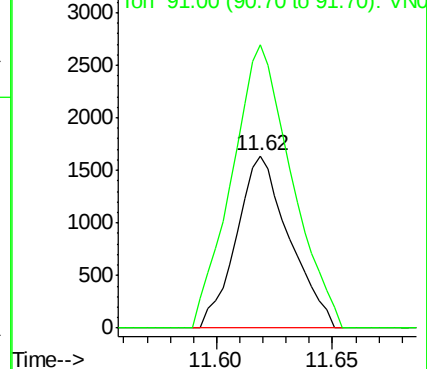
Ion Ratio Lower Upper

106 100

91 186.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V



#71

Bromoform

Concen: 0.41 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

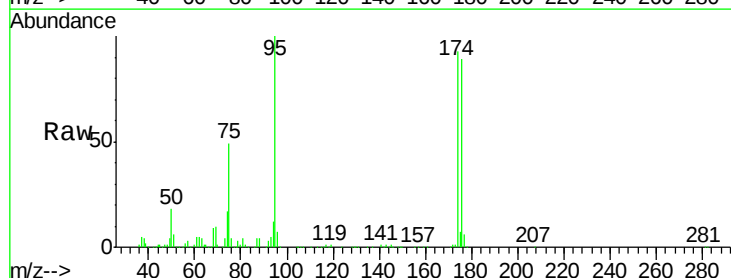
Tgt Ion:173 Resp: 2149

Ion Ratio Lower Upper

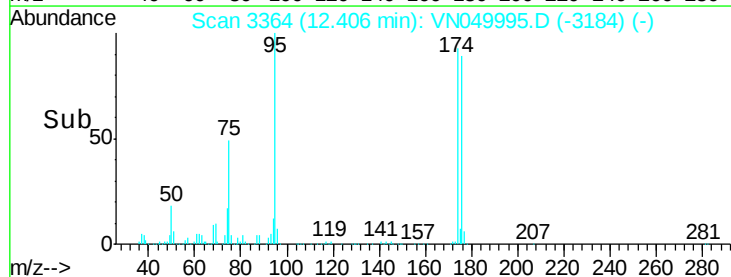
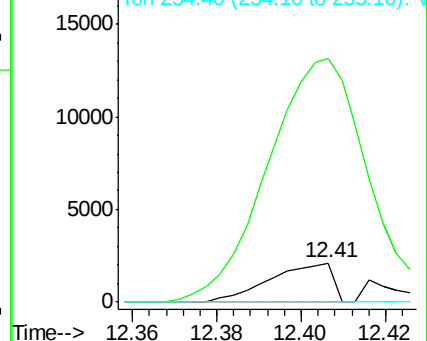
173 100

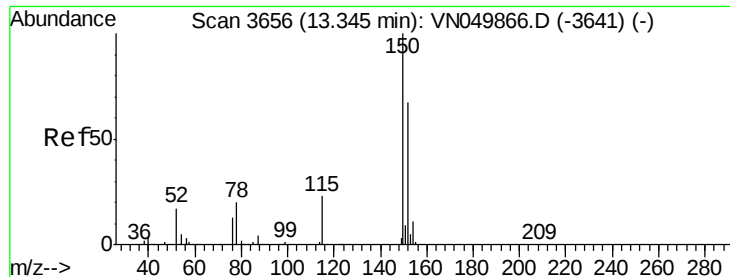
175 846.9 24.6 73.8#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): 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: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampleId :

TP-9

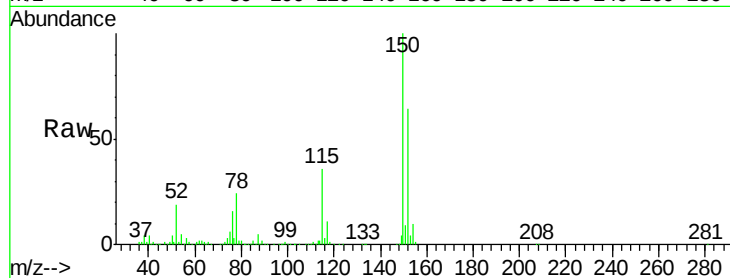
Tot Ion:152 Resp: 276306

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

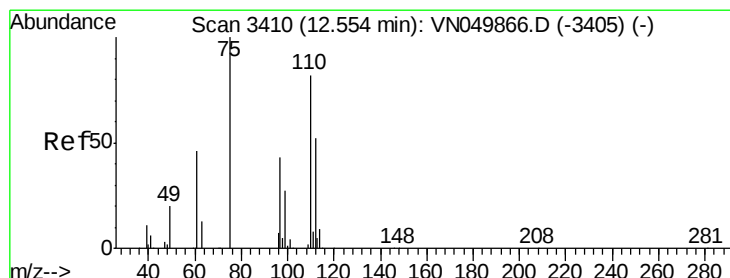
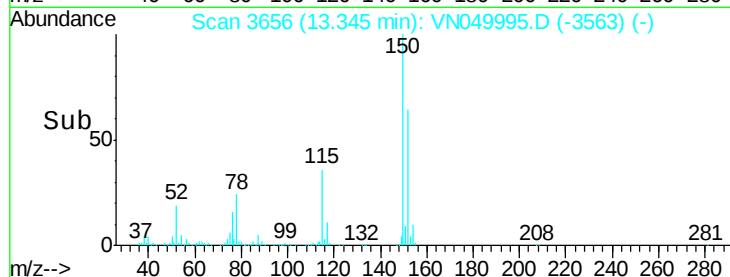
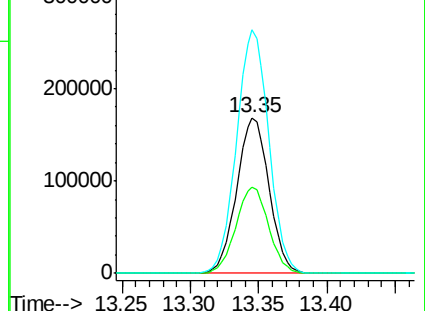
150 156.3 0.0 347.6



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: 31.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049995.D

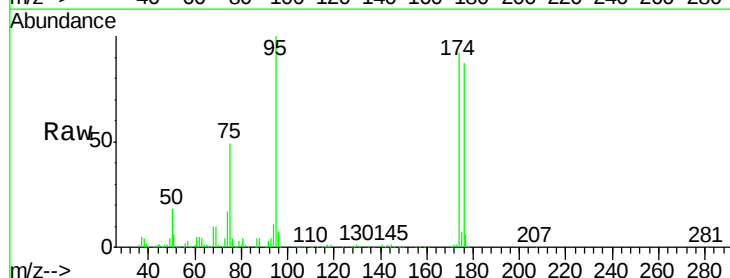
Acq: 21 Jul 2018 7:24

Tgt Ion: 75 Resp: 161976

Ion Ratio Lower Upper

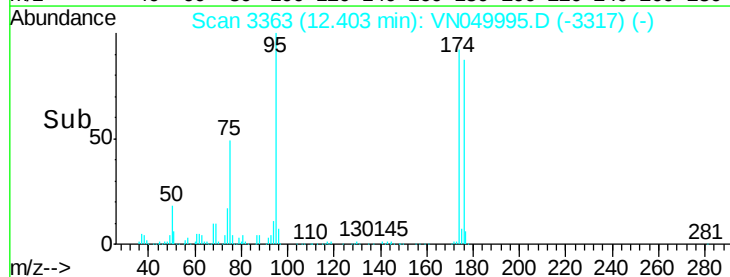
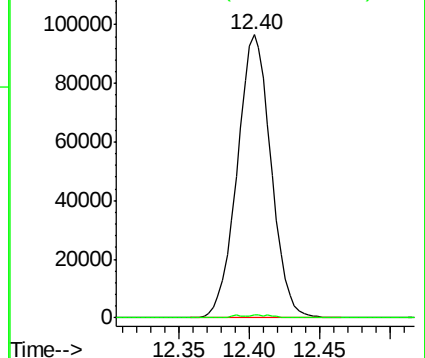
75 100

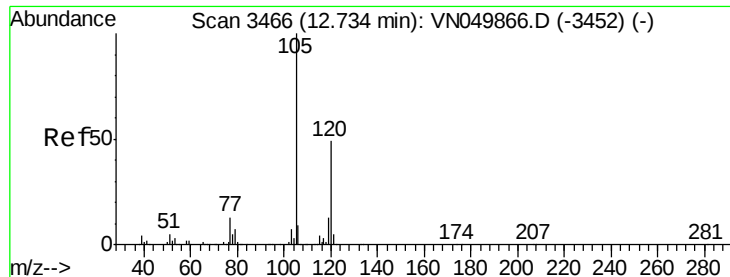
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA_N

ClientSampled :

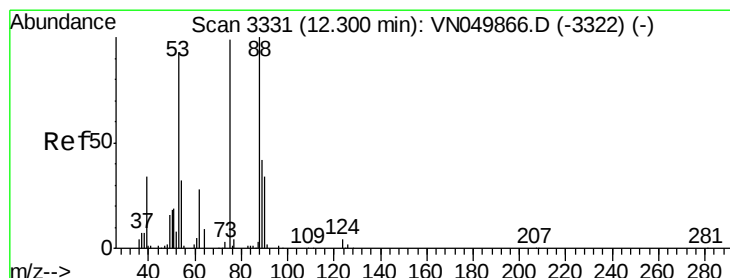
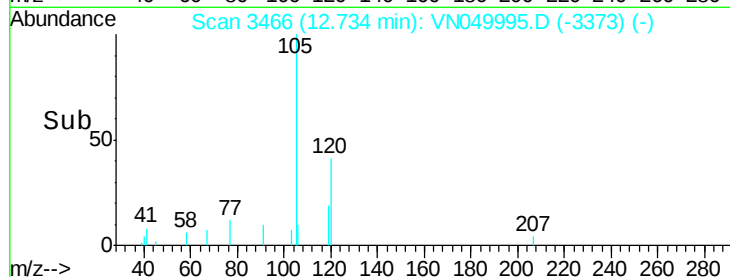
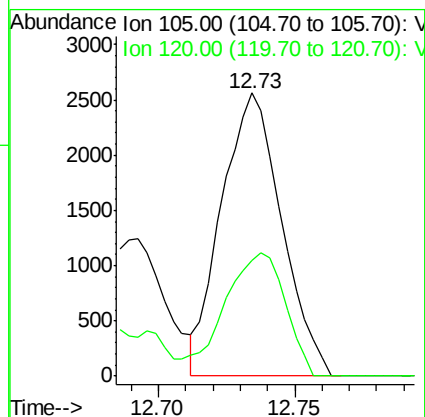
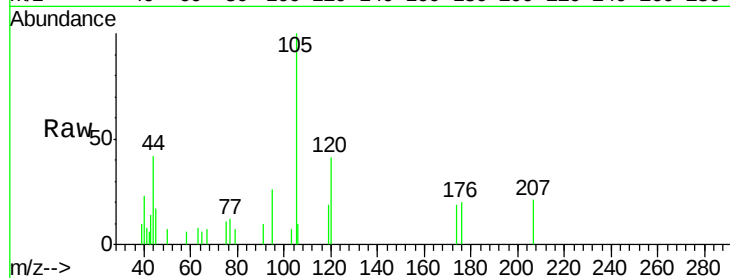
TP-9

Tot Ion:105 Resp: 3924

Ion Ratio Lower Upper

105 100

120 43.8 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 97.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

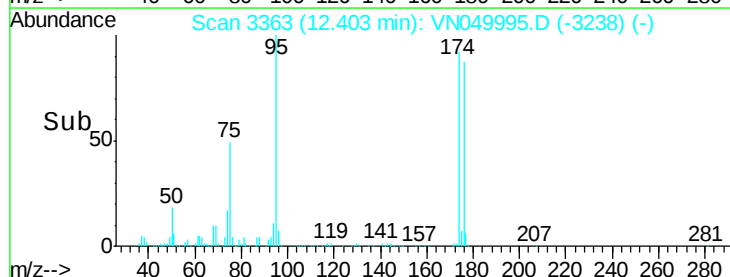
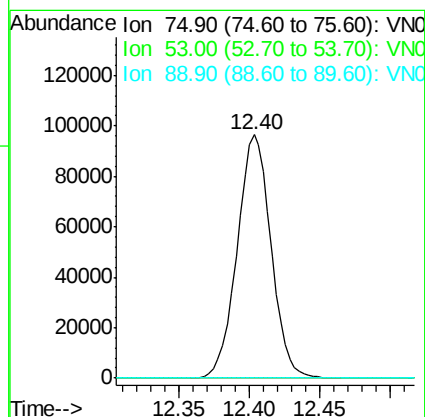
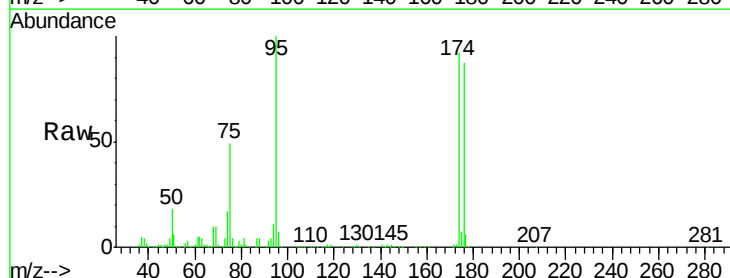
Tgt Ion: 75 Resp: 161976

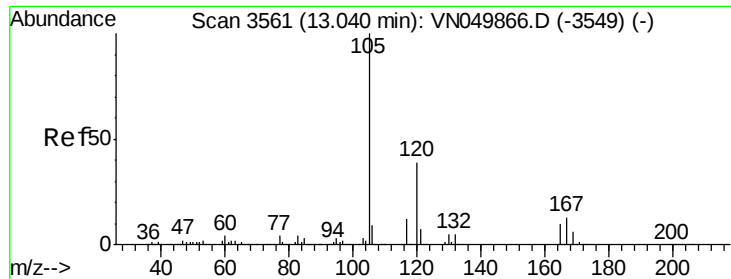
Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.0 35.9 53.9#

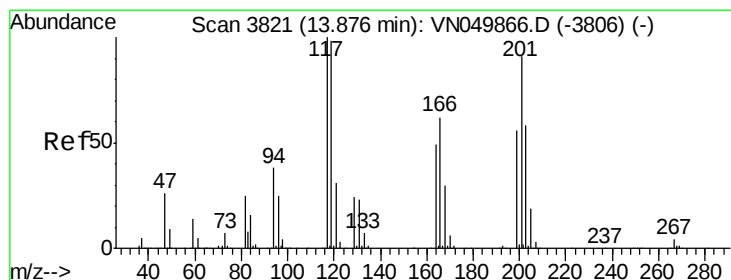
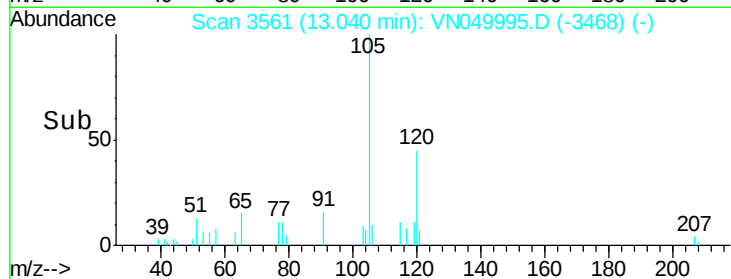
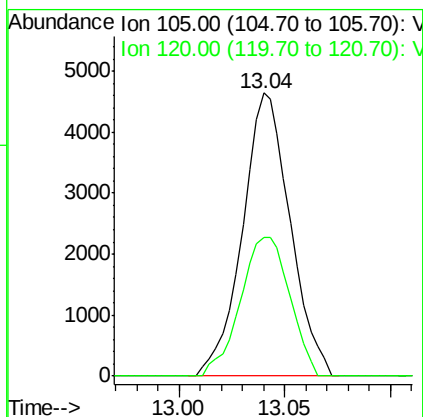
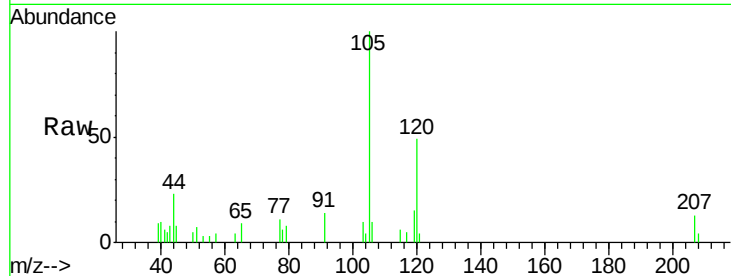




#84
 1,2,4-Trimethylbenzene
 Concen: 0.43 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

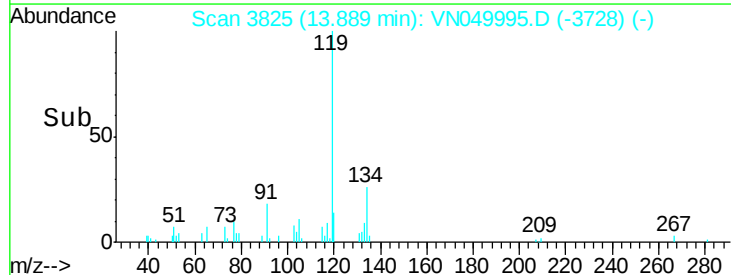
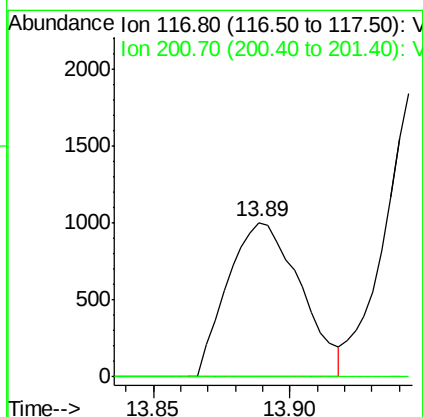
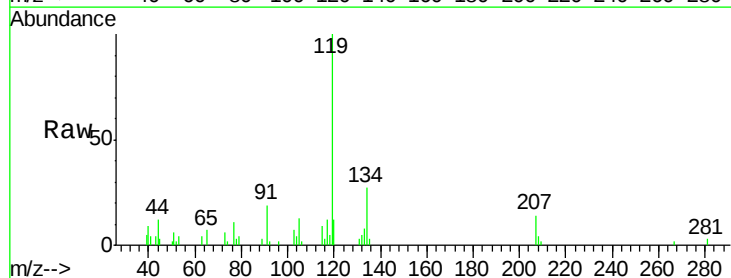
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

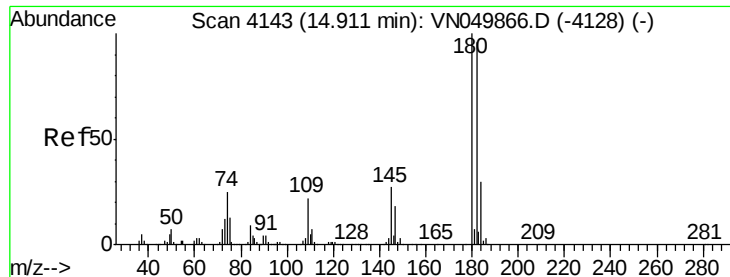
Tot Ion:105 Resp: 7279
 Ion Ratio Lower Upper
 105 100
 120 50.7 22.7 68.1



#90
 Hexachloroethane
 Concen: 0.50 ug/l
 RT: 13.89 min Scan# 3825
 Delta R.T. 0.01 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Tgt Ion:117 Resp: 1872
 Ion Ratio Lower Upper
 117 100
 201 0.0 45.3 135.8#

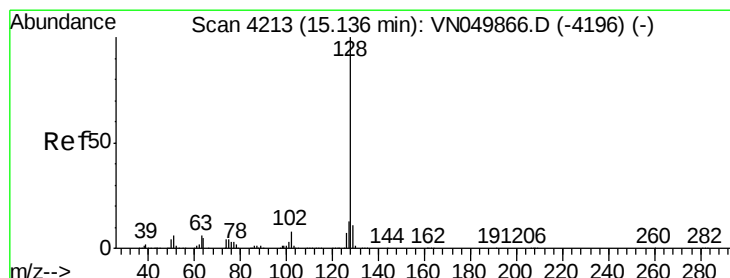
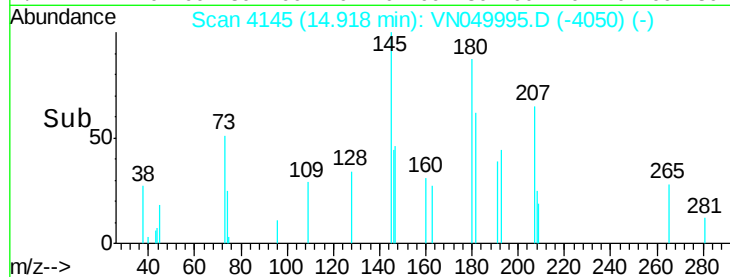
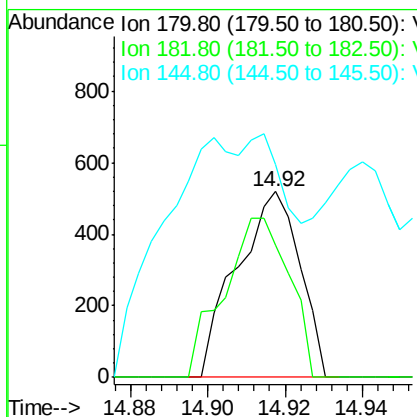
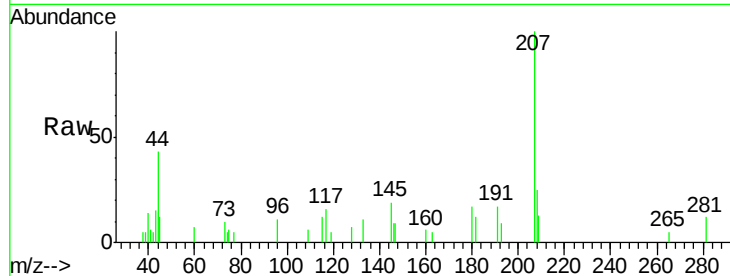




#93
 1,2,4-Trichlorobenzene
 Concen: 3.58 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Instrument :
 MSVOA_N
 ClientSampled :
 TP-9

Tot Ion:180 Resp: 589
 Ion Ratio Lower Upper
 180 100
 182 88.3 47.3 141.9
 145 160.1 14.4 43.0#



#95
 Naphthalene
 Concen: 9.92 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049995.D
 Acq: 21 Jul 2018 7:24

Tgt Ion:128 Resp: 78077
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 11.5 8.6 13.0

