

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049885.D
 Acq On : 18 Jul 2018 20:39
 Operator : MD\SY
 Sample : PB111206ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 01:22:50 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	554390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260213	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	400947	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.59	113	351654	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
50) Toluene-d8	10.09	98	1233119	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	
62) 4-Bromofluorobenzene	12.40	95	318248	32.24	ug/l	0.00
Spiked Amount			Recovery	=	64.48%	

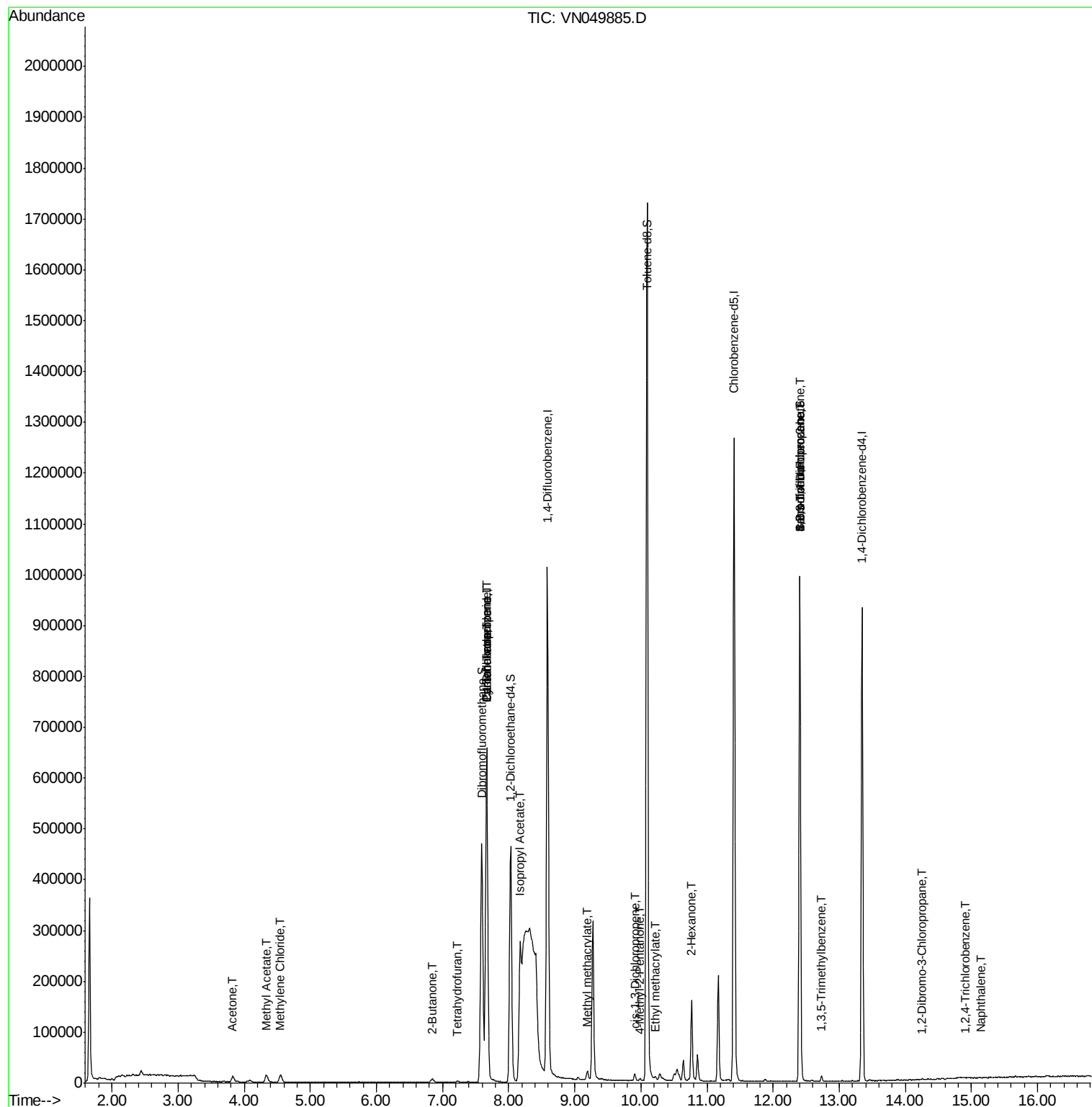
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	32	Below Cal	#	44
5) Bromomethane	2.57	94	407	Below Cal	#	34
16) Acetone	3.83	43	18972	9.62	ug/l	97
18) Methyl Acetate	4.33	43	26919	3.58	ug/l	98
20) Methylene Chloride	4.55	84	10897	1.45	ug/l	93
25) 2-Butanone	6.86	43	5349	1.90	ug/l #	82
29) Tetrahydrofuran	7.22	42	1958	1.10	ug/l #	65
31) Cyclohexane	7.67	56	10654	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38722	3.72	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51315	4.60	ug/l #	16
43) Isopropyl Acetate	8.17	43	329016	26.32	ug/l #	94
48) Methyl methacrylate	9.18	41	9395	1.50	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2035	0.29	ug/l #	77
54) cis-1,3-Dichloropropene	9.90	75	2859	0.24	ug/l #	69
56) Ethyl methacrylate	10.23	69	3258	2.45	ug/l #	54
59) 2-Hexanone	10.77	43	22431	4.78	ug/l #	58
71) Bromoform	12.40	173	3007	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	158157	32.40	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4278	0.27	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.40	75	158157	101.32	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	318	0.35	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	70	3.49	ug/l #	84
95) Naphthalene	15.13	128	391	4.52	ug/l #	69

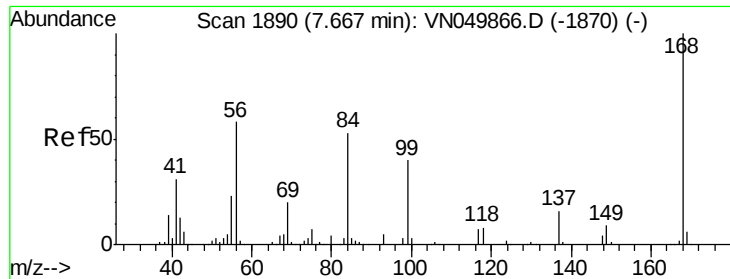
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071818\
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Acq On : 18 Jul 2018 20:39
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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: VN049885.D

Acq: 18 Jul 2018 20:39

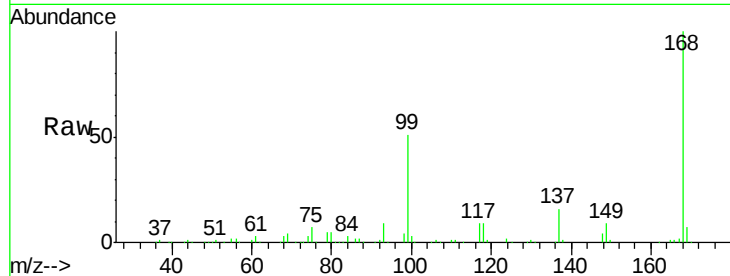
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 554390

Ion Ratio Lower Upper

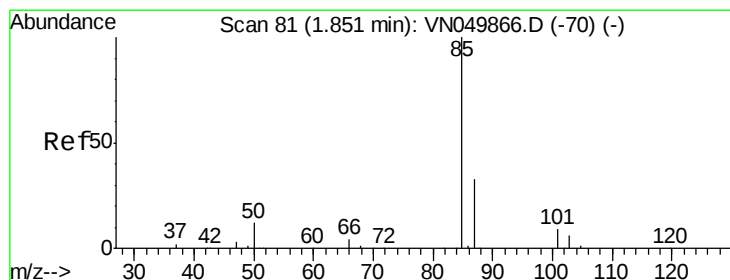
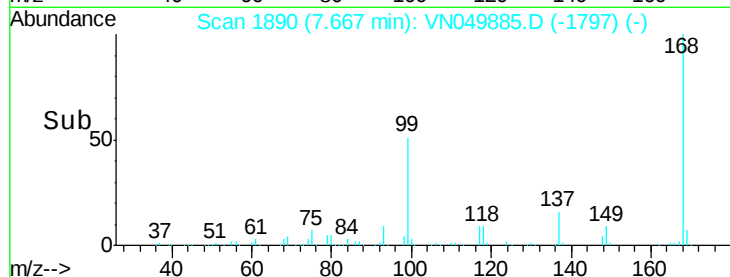
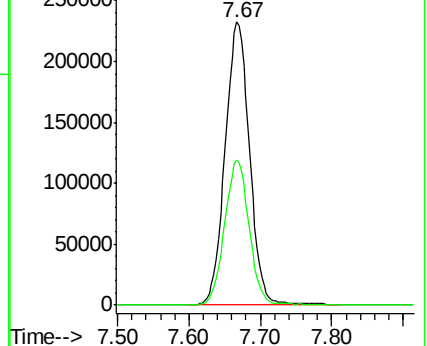
168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049885.D

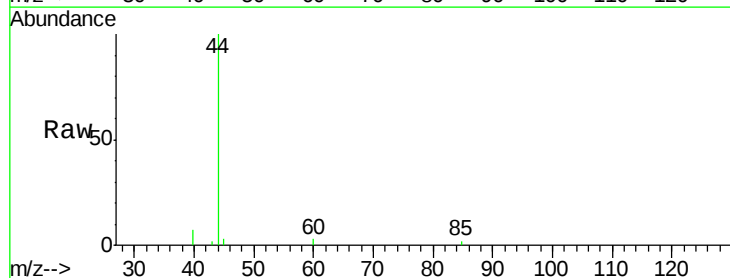
Acq: 18 Jul 2018 20:39

Tgt Ion: 85 Resp: 32

Ion Ratio Lower Upper

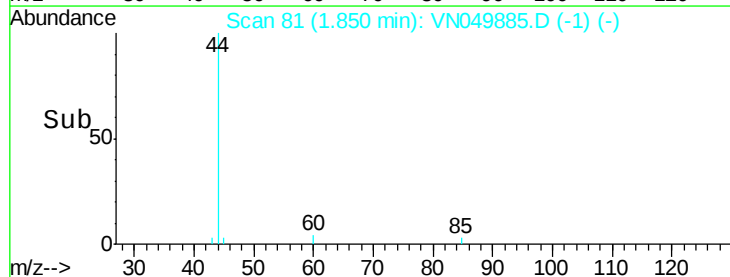
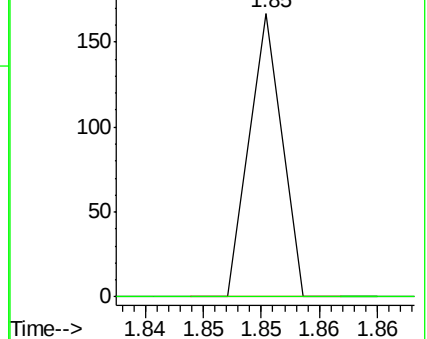
85 100

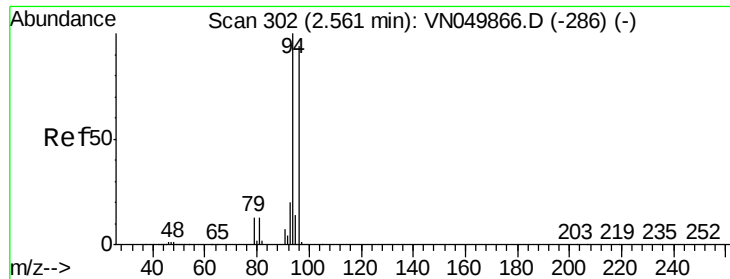
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

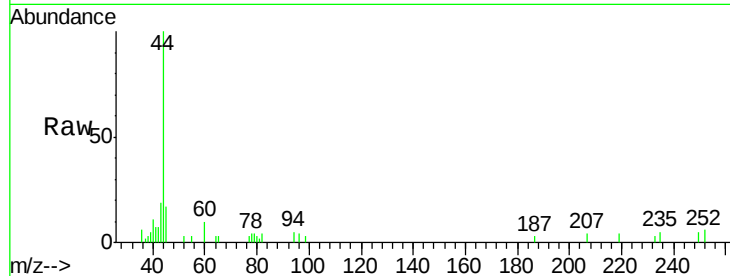
ClientSampled :

Tot Ion: 94 Resp: 407

Ion Ratio Lower Upper

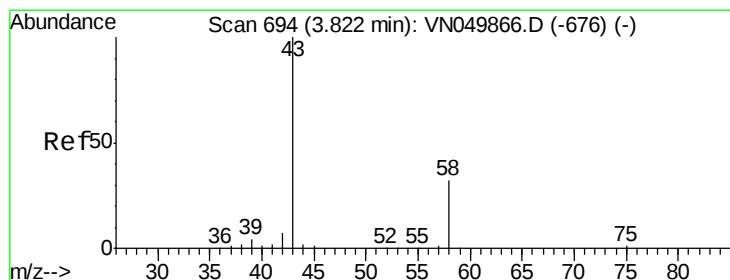
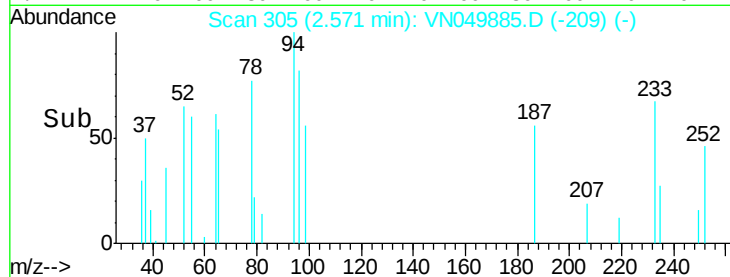
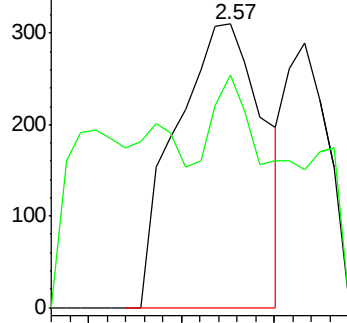
94 100

96 30.3 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 9.62 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049885.D

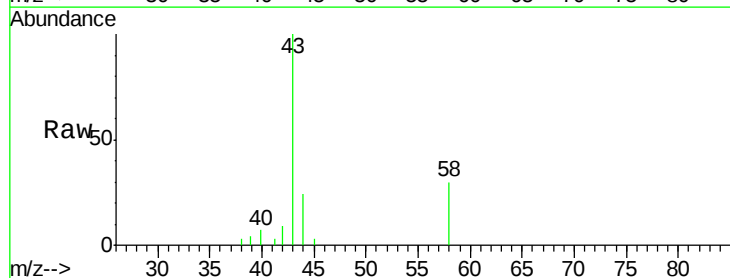
Acq: 18 Jul 2018 20:39

Tgt Ion: 43 Resp: 18972

Ion Ratio Lower Upper

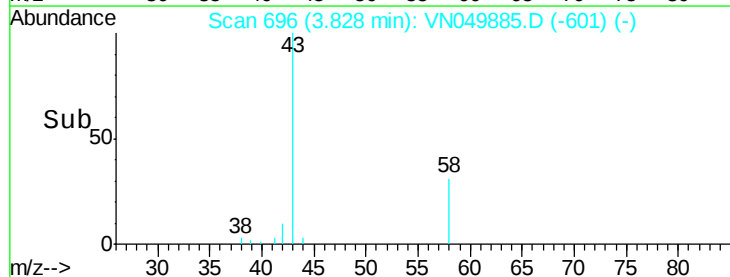
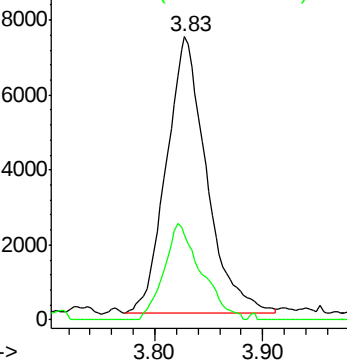
43 100

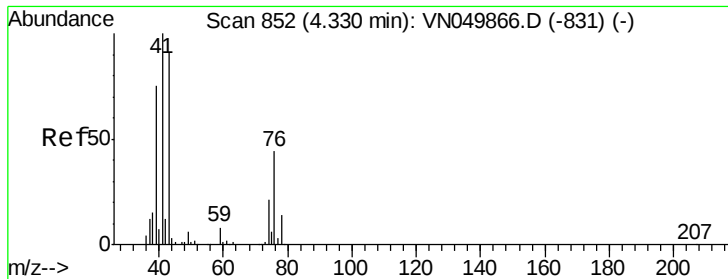
58 30.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

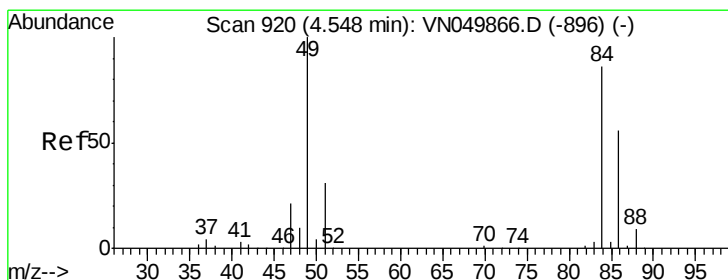
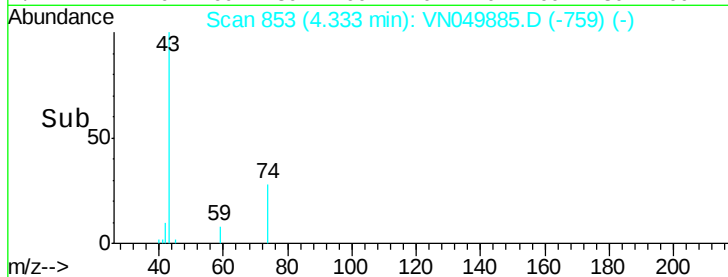
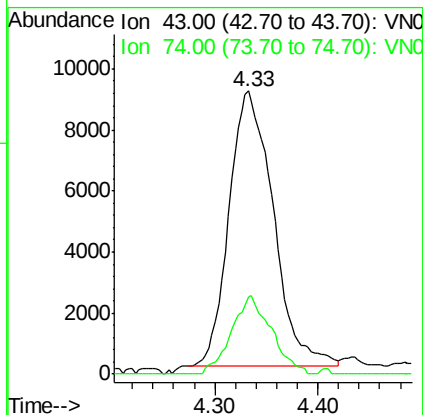
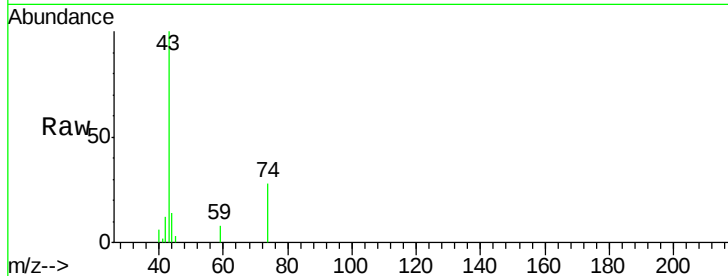




#18
Methvl Acetate
Concen: 3.58 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049885.D
Acq: 18 Jul 2018 20:39

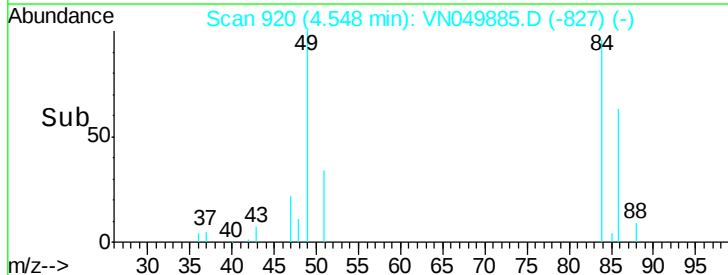
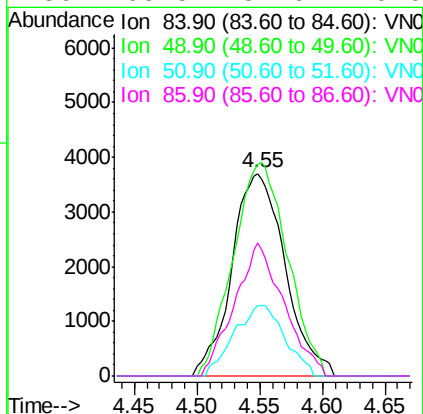
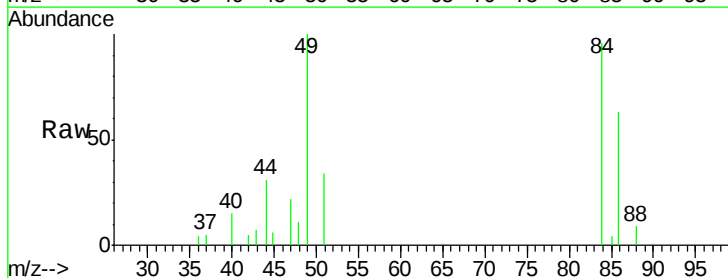
Instrument :
MSVOA_N
ClientSampled :

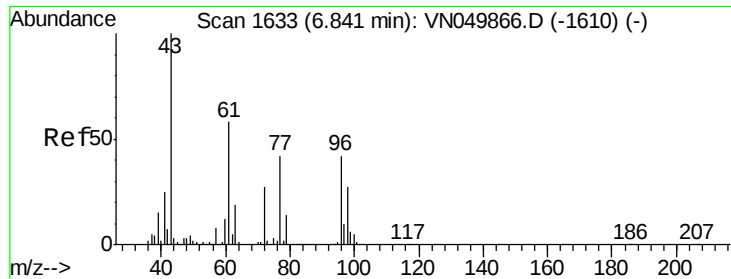
Tot Ion: 43 Resp: 26919
Ion Ratio Lower Upper
43 100
74 25.6 19.8 29.8



#20
Methylene Chloride
Concen: 1.45 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049885.D
Acq: 18 Jul 2018 20:39

Tgt Ion: 84 Resp: 10897
Ion Ratio Lower Upper
84 100
49 104.4 95.4 143.2
51 35.1 28.4 42.6
86 65.5 52.6 79.0





#25

2-Butanone

Concen: 1.90 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

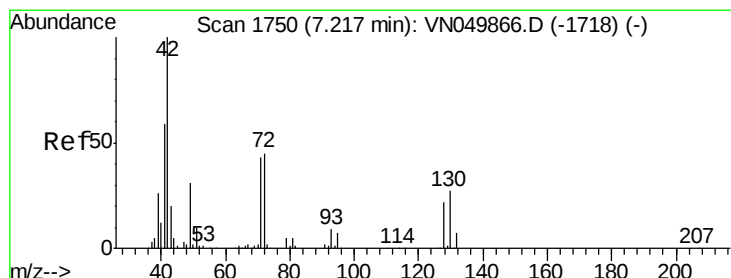
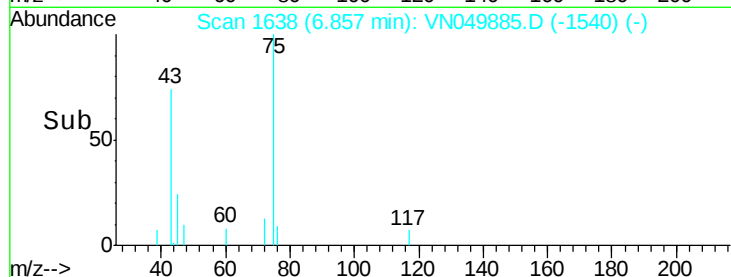
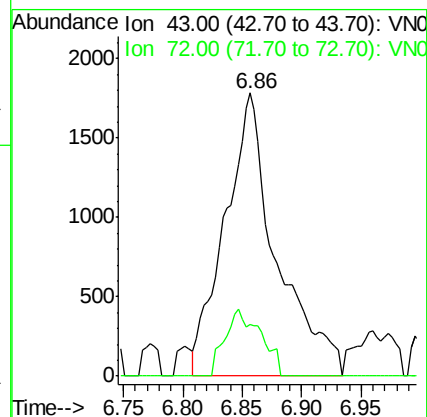
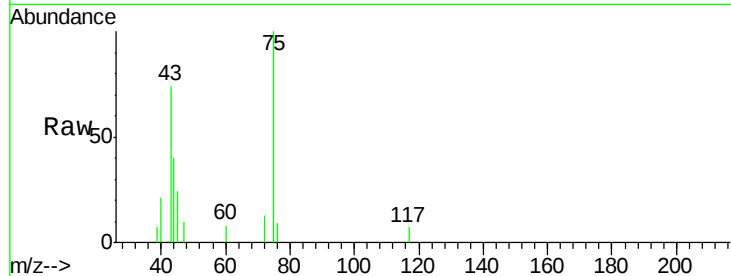
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5349

Ion Ratio Lower Upper

43 100

72 18.2 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.10 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

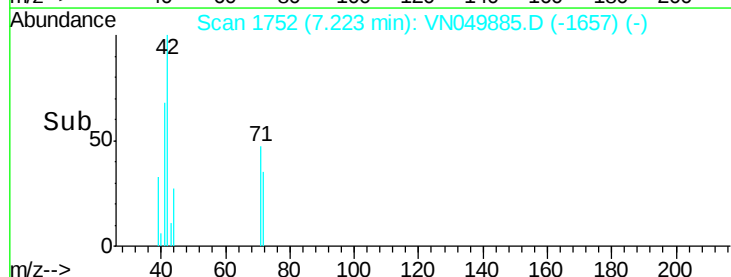
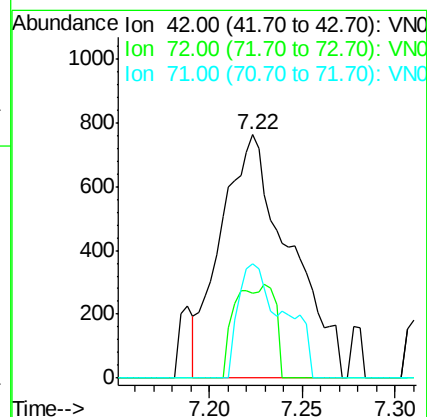
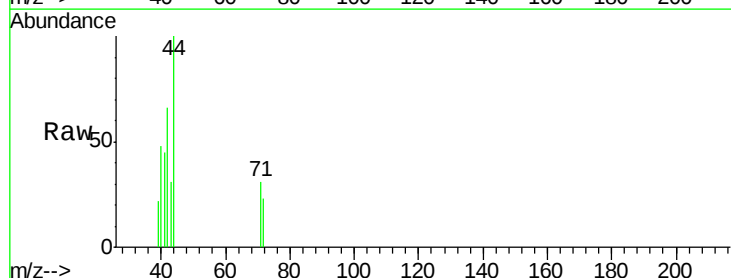
Tgt Ion: 42 Resp: 1958

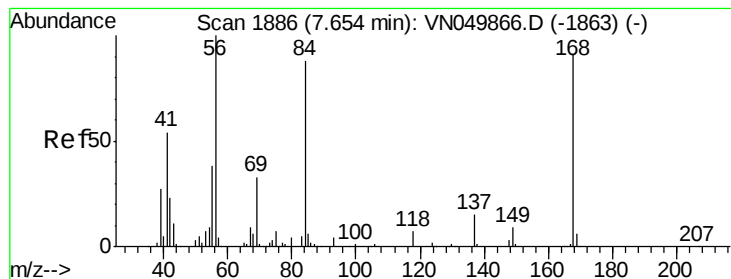
Ion Ratio Lower Upper

42 100

72 11.8 35.6 53.4#

71 31.0 34.0 51.0#





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

ClientSampled :

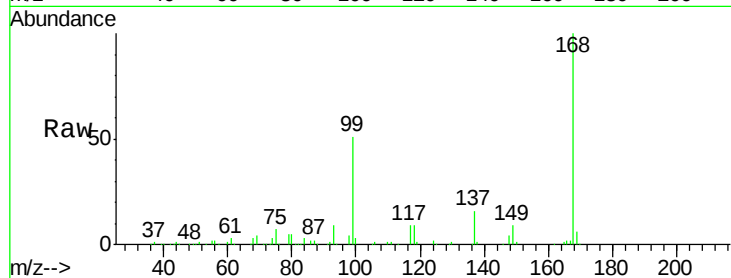
Tot Ion: 56 Resp: 10654

Ion Ratio Lower Upper

56 100

69 182.7 26.6 40.0#

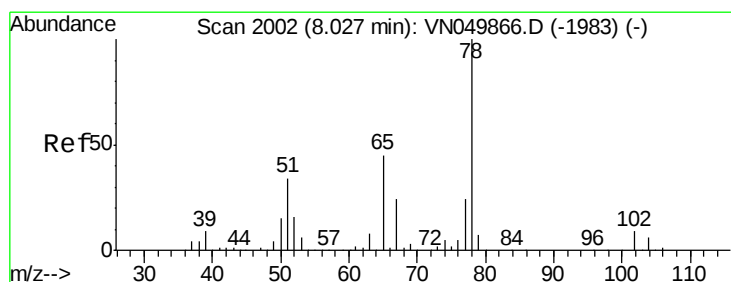
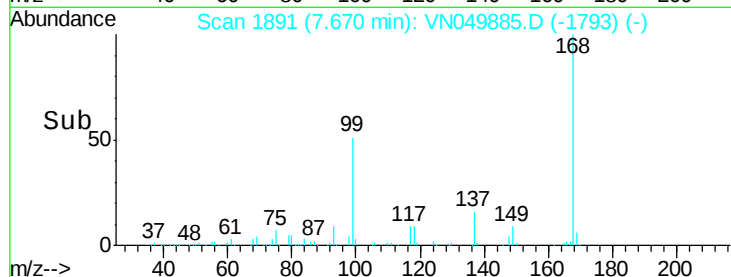
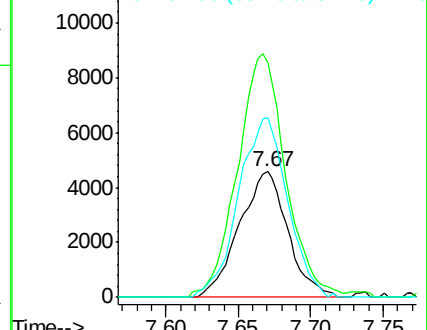
84 142.7 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049866.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049866.D (-1863) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.62 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049885.D

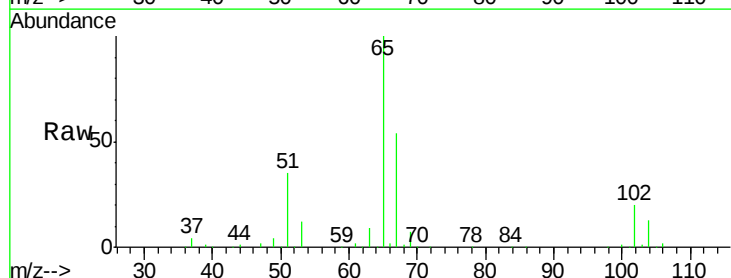
Acq: 18 Jul 2018 20:39

Tgt Ion: 65 Resp: 400947

Ion Ratio Lower Upper

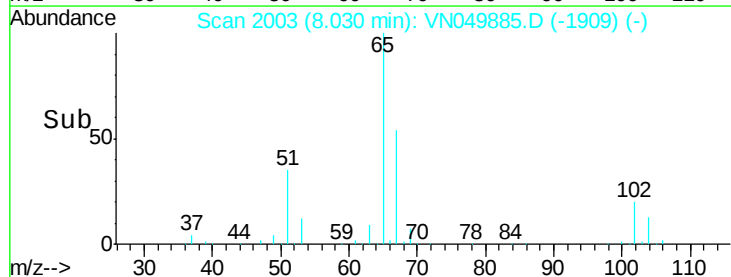
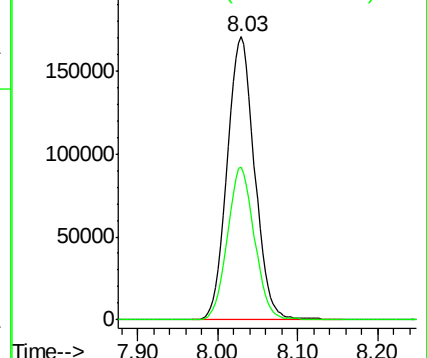
65 100

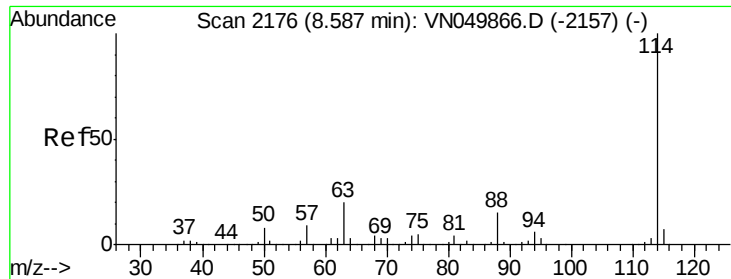
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049866.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1983) (-)

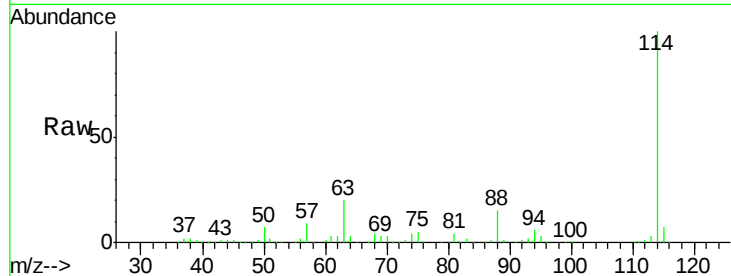




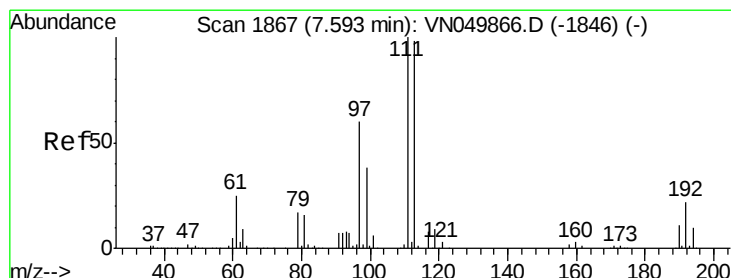
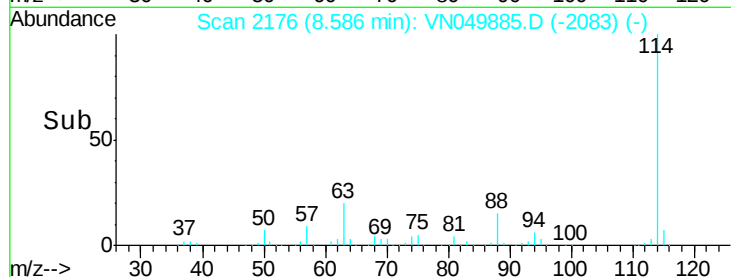
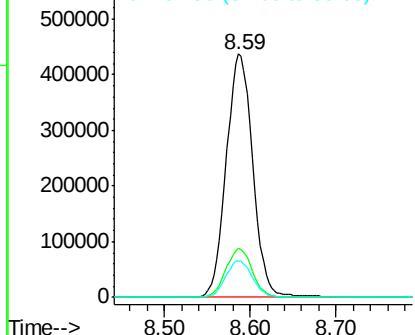
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 937061
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.2 0.0 30.6

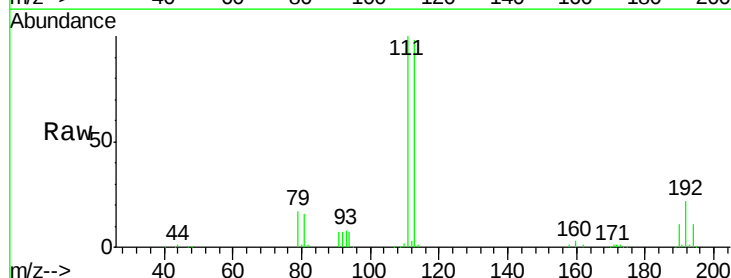


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

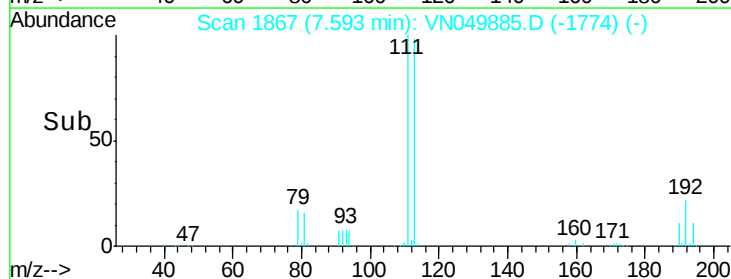
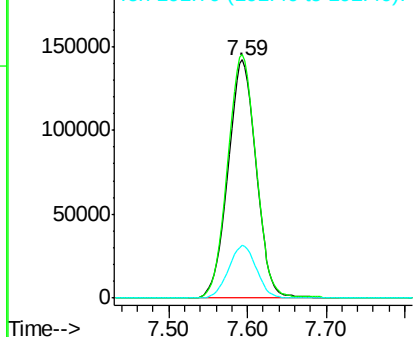


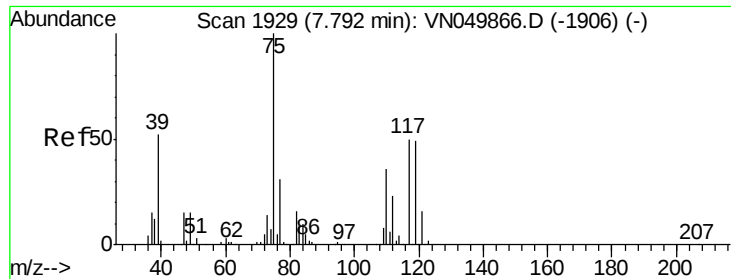
#35
 Dibromofluoromethane
 Concen: 44.70 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Tgt Ion:113 Resp: 351654
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 22.0 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

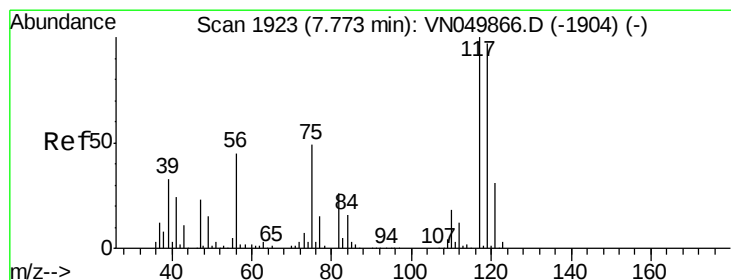
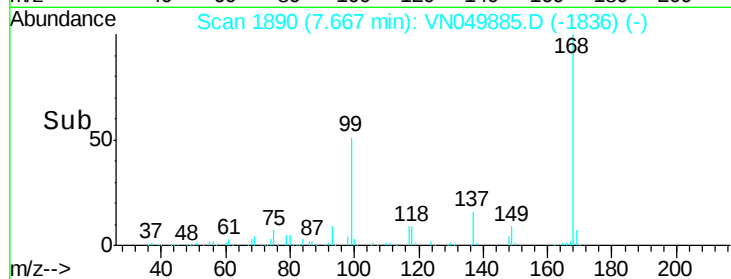
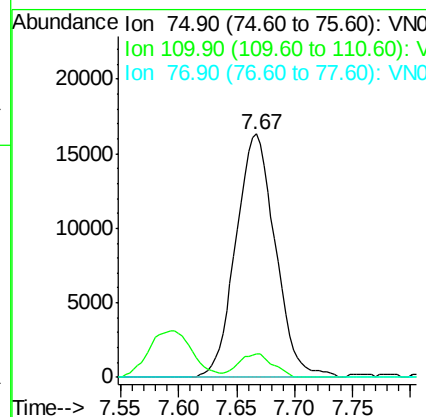
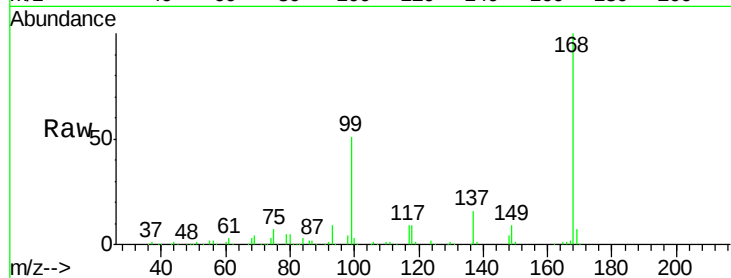




#36
 1,1-Dichloropropene
 Concen: 3.72 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

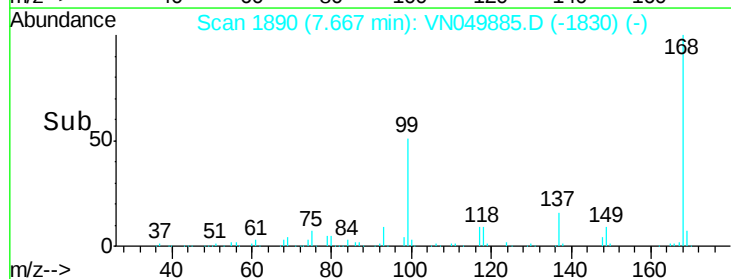
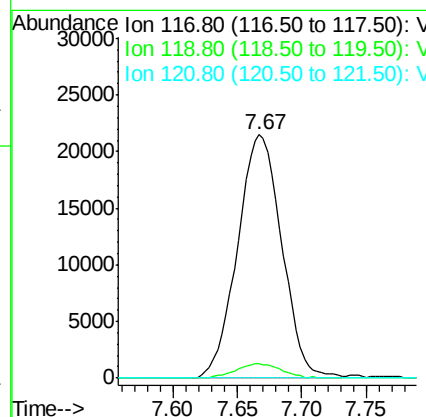
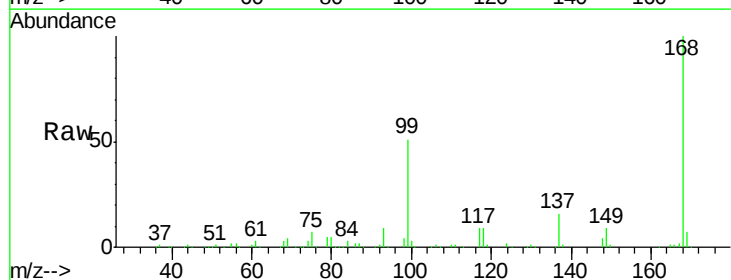
Instrument :
 MSVOA_N
 ClientSampled :

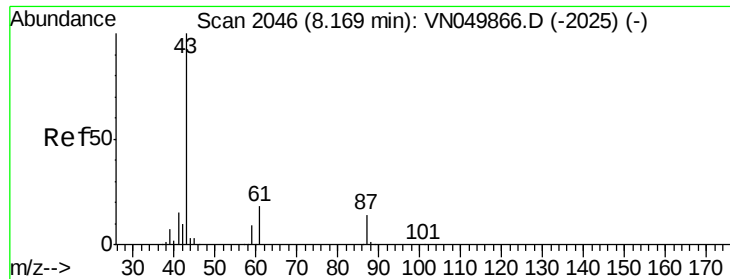
Tot Ion: 75 Resp: 38722
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Tgt Ion: 117 Resp: 51315
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.2 115.8#
 121 0.0 25.0 37.6#



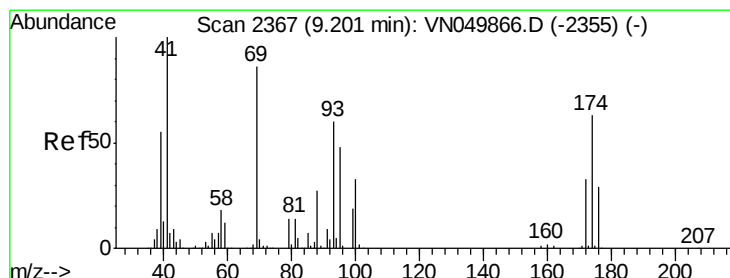
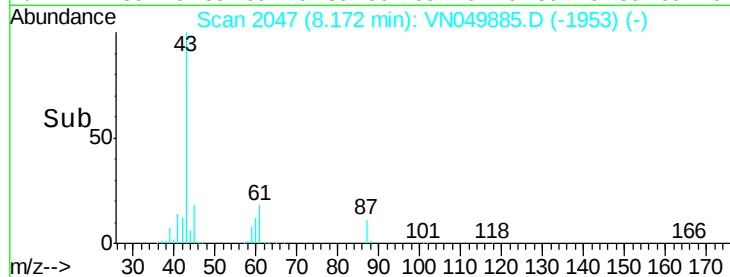
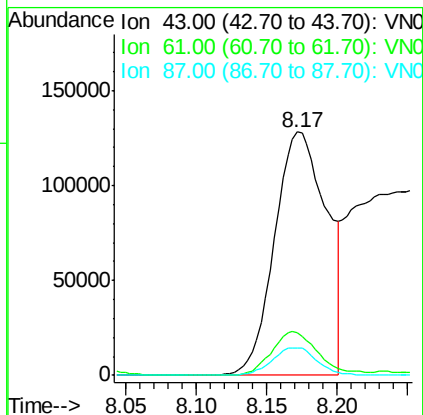
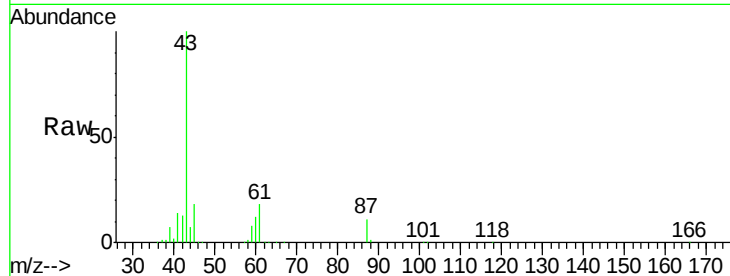


#43

Isopropyl Acetate
 Concen: 26.32 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Instrument :
 MSVOA_N
 ClientSampleId :

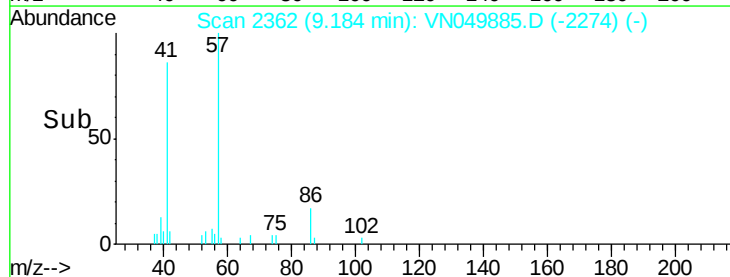
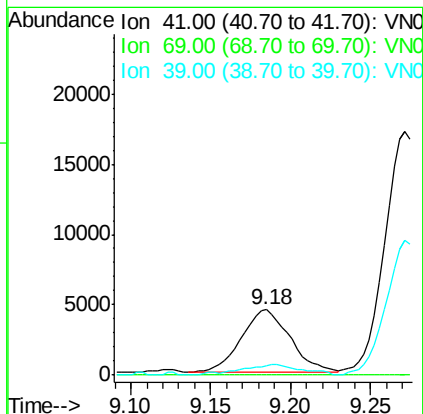
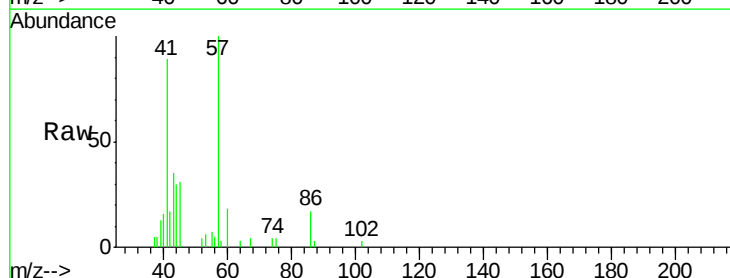
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.9	22.3
87	9.9	10.0	15.0#

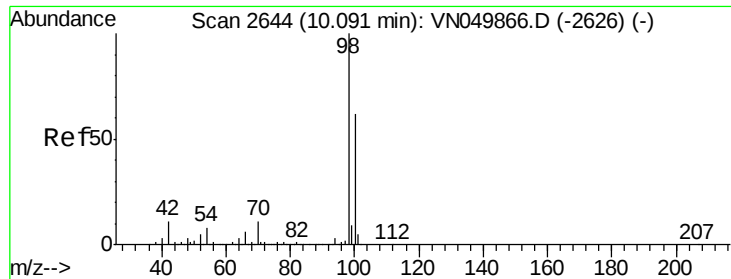


#48

Methyl methacrylate
 Concen: 1.50 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.02 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.5	107.3#
39	20.8	44.7	67.1#





#50

Toluene-d8

Concen: 43.02 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

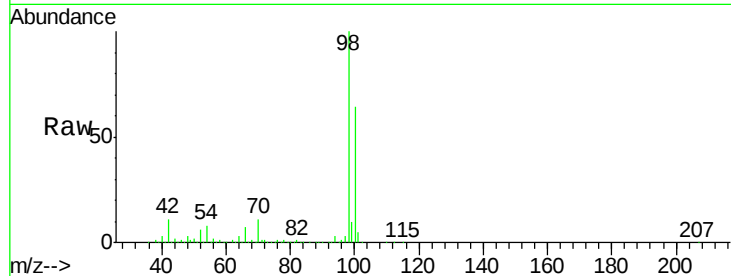
ClientSampleId :

Tot Ion: 98 Resp: 1233119

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049866.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049866.D (-2626) (-)

10.09

600000

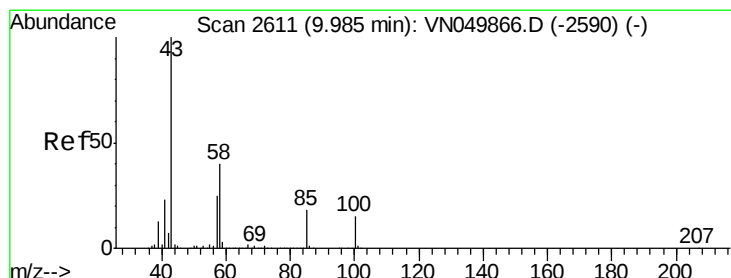
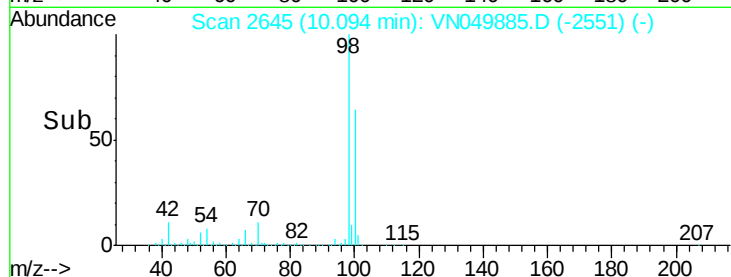
400000

200000

0

10.00 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049885.D

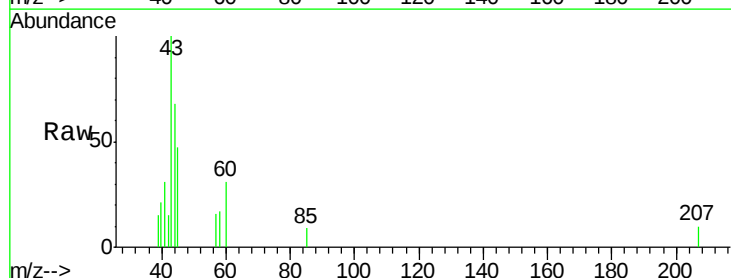
Acq: 18 Jul 2018 20:39

Tgt Ion: 43 Resp: 2035

Ion Ratio Lower Upper

43 100

58 25.6 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

9.99

2000

1500

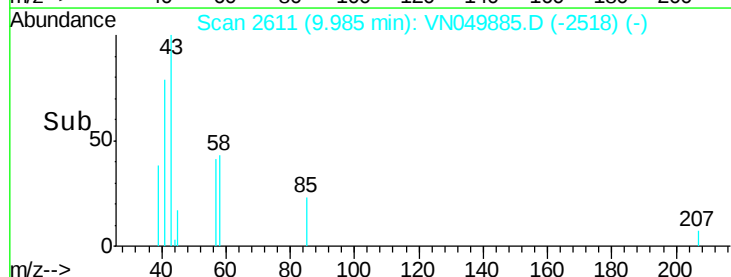
1000

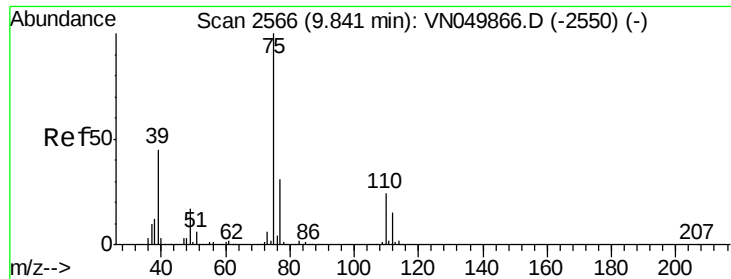
500

0

9.95 10.00

Time-->



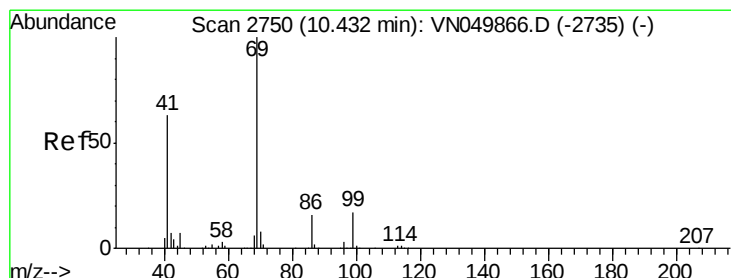
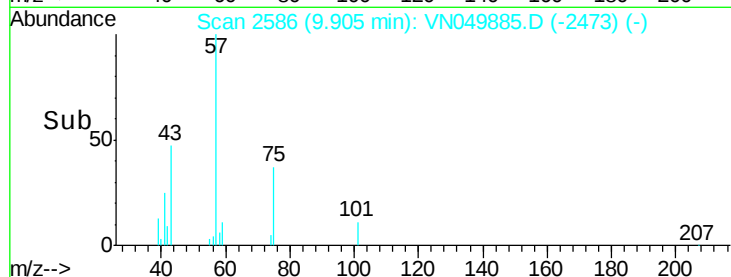
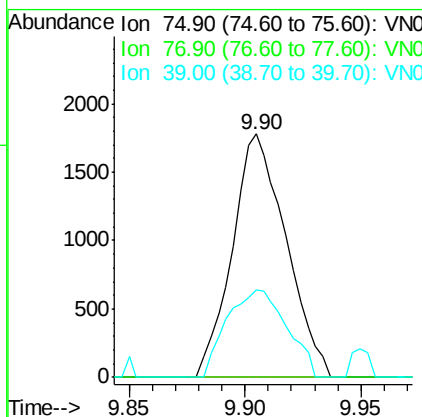
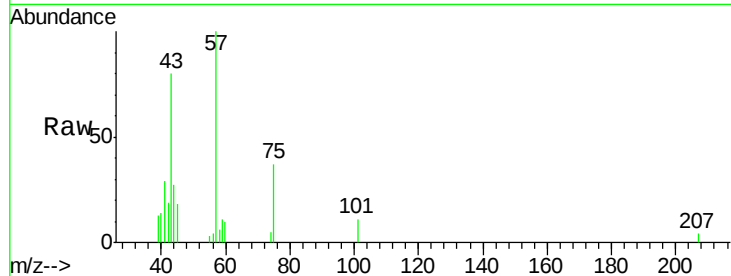


#54

cis-1,3-Dichloropropene
 Concen: 0.24 ug/l
 RT: 9.90 min Scan# 2586
 Delta R.T. 0.06 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Instrument :
 MSVOA_N
 ClientSampleId :

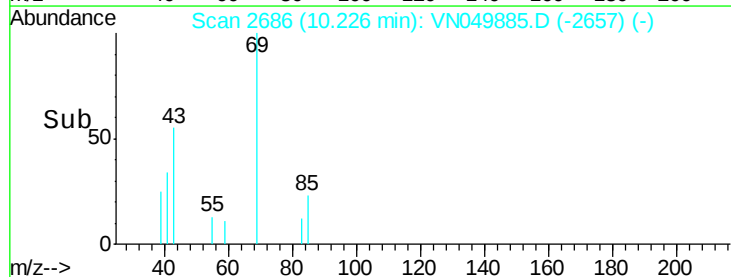
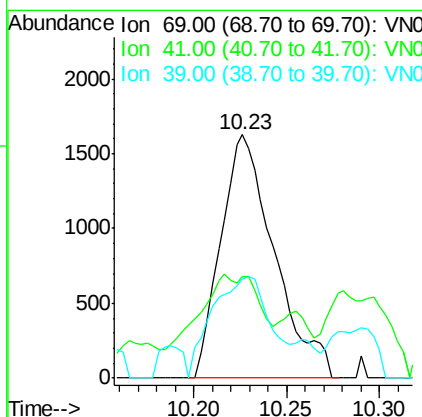
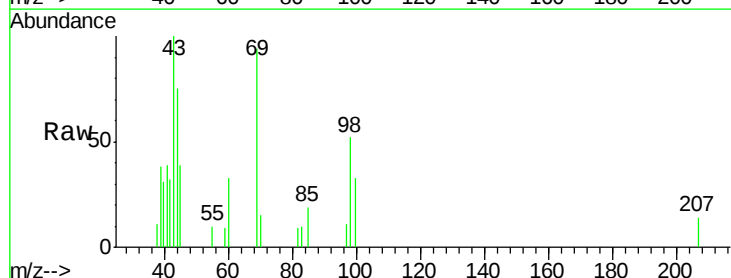
Tot Ion: 75 Resp: 2859
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 35.8 35.5 53.3

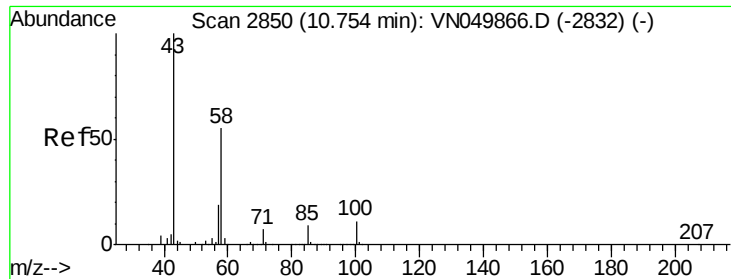


#56

Ethyl methacrylate
 Concen: 2.45 ug/l
 RT: 10.23 min Scan# 2686
 Delta R.T. -0.21 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Tgt Ion: 69 Resp: 3258
 Ion Ratio Lower Upper
 69 100
 41 20.0 51.6 77.4#
 39 45.4 25.8 38.8#





#59

2-Hexanone

Concen: 4.78 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

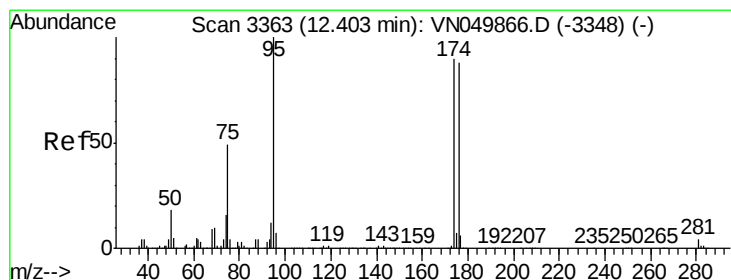
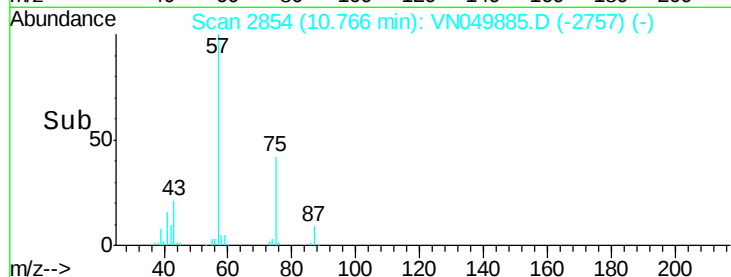
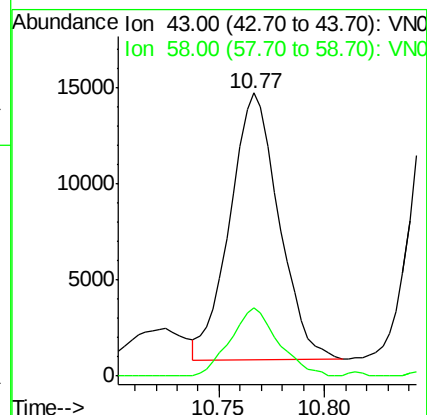
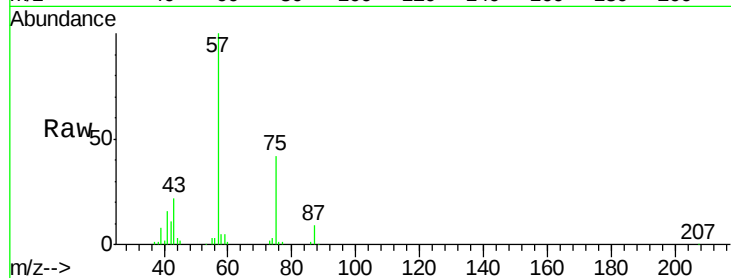
ClientSampleId :

Tot Ion: 43 Resp: 22431

Ion Ratio Lower Upper

43 100

58 24.9 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 32.24 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

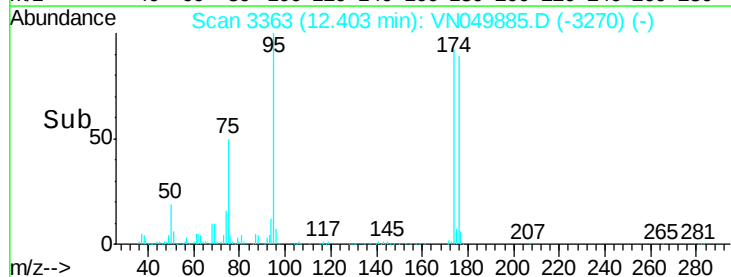
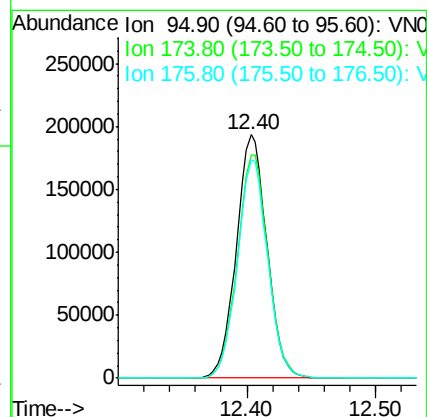
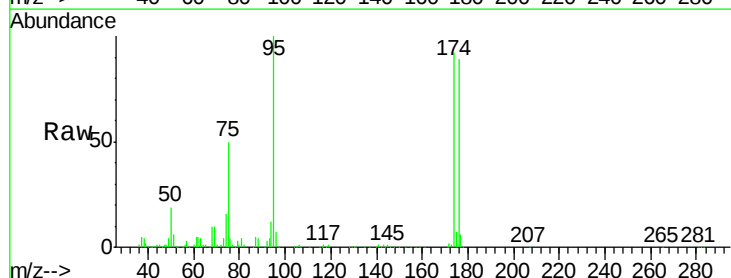
Tgt Ion: 95 Resp: 318248

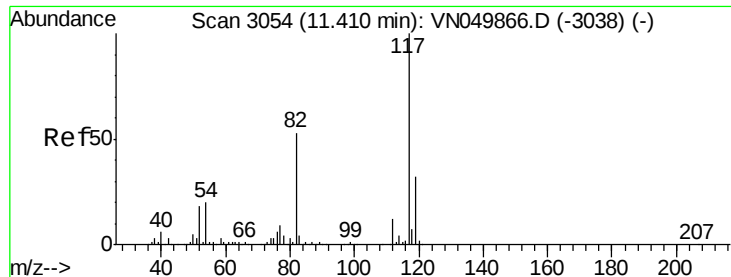
Ion Ratio Lower Upper

95 100

174 92.2 0.0 179.6

176 88.9 0.0 174.0

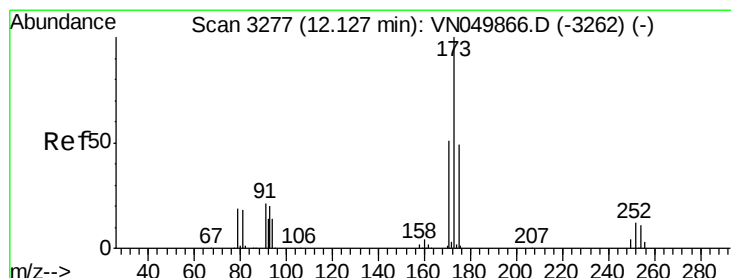
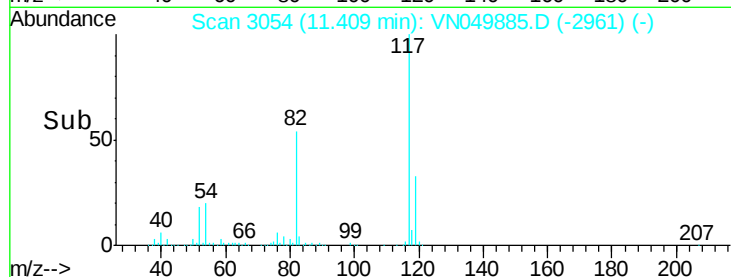
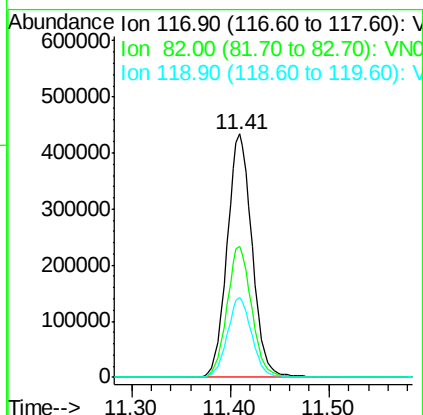
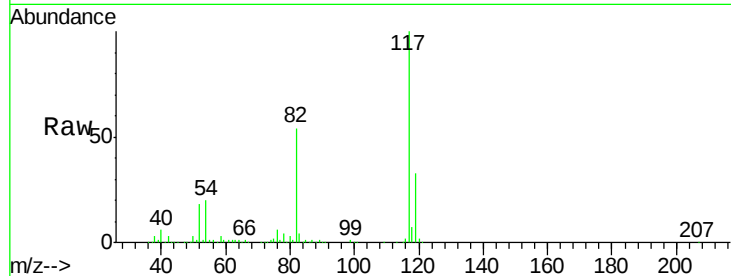




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049885.D
Acq: 18 Jul 2018 20:39

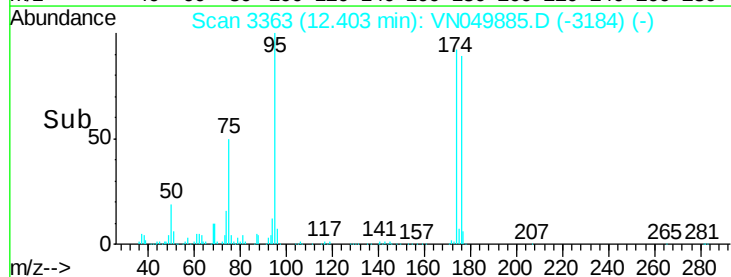
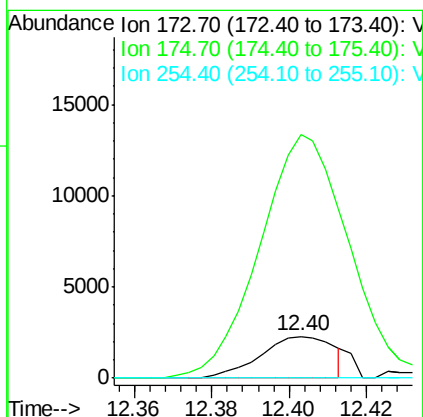
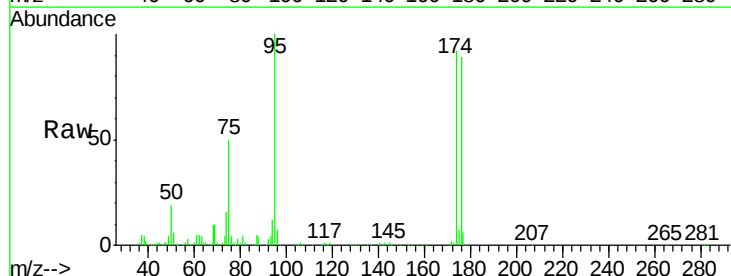
Instrument :
MSVOA_N
ClientSampled :

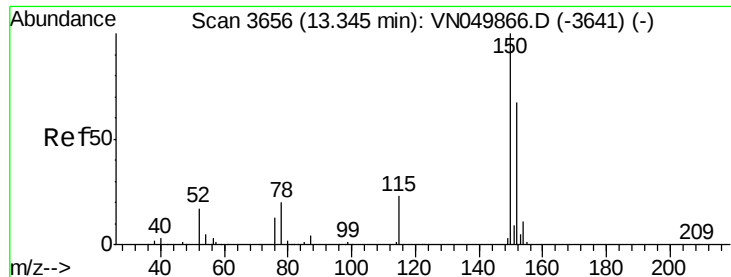
Tot Ion:117 Resp: 765968
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.7 25.4 38.2



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049885.D
Acq: 18 Jul 2018 20:39

Tgt Ion:173 Resp: 3007
Ion Ratio Lower Upper
173 100
175 586.1 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

ClientSampleId :

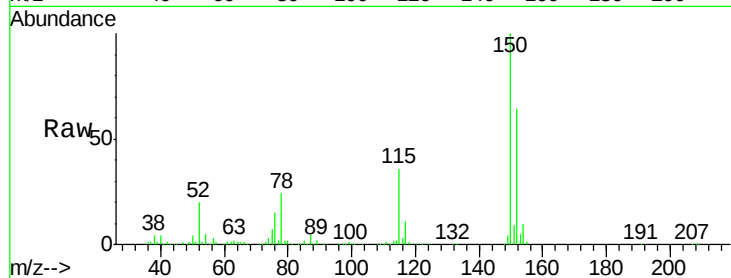
Tot Ion:152 Resp: 260213

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

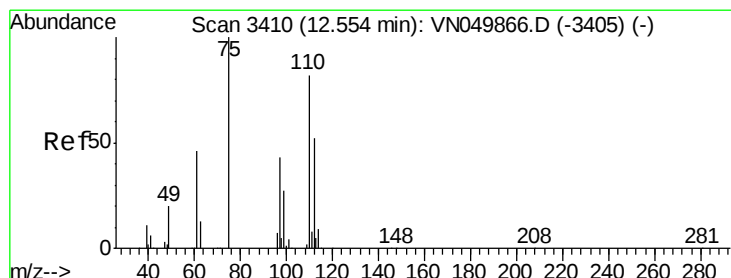
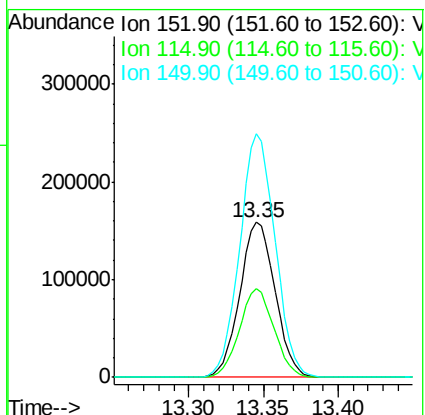
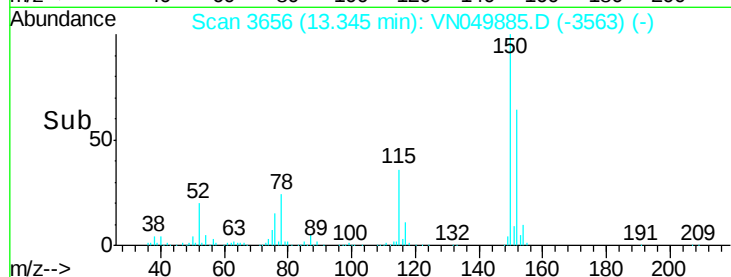
150 157.3 0.0 347.6



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: 32.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049885.D

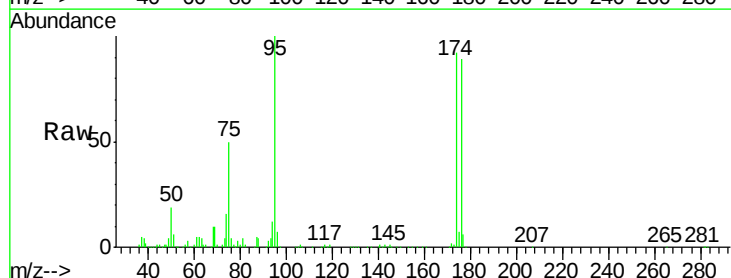
Acq: 18 Jul 2018 20:39

Tgt Ion: 75 Resp: 158157

Ion Ratio Lower Upper

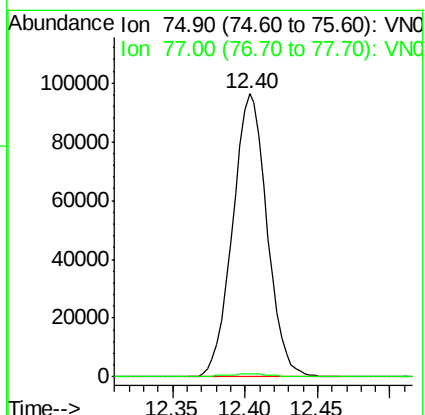
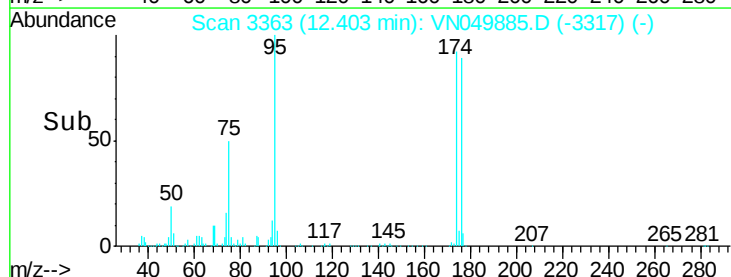
75 100

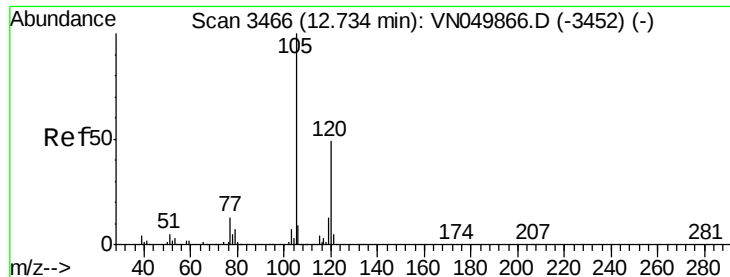
77 1.4 0.0 0.0#



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: 0.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

Instrument :

MSVOA_N

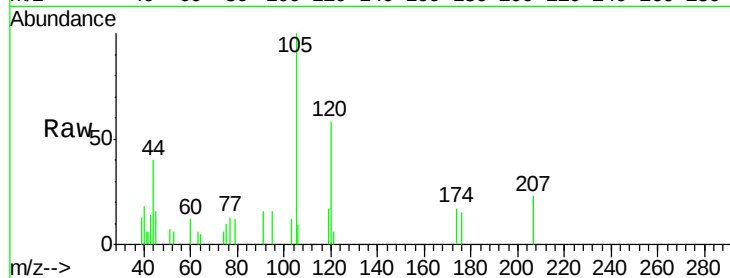
ClientSampleId :

Tot Ion:105 Resp: 4278

Ion Ratio Lower Upper

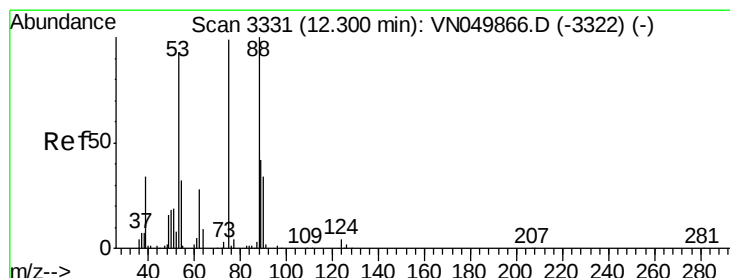
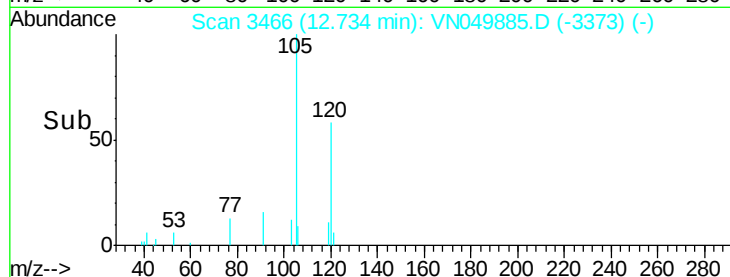
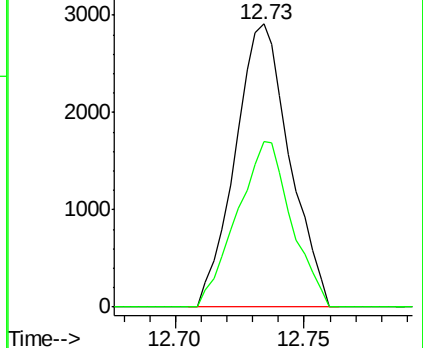
105 100

120 58.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 101.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049885.D

Acq: 18 Jul 2018 20:39

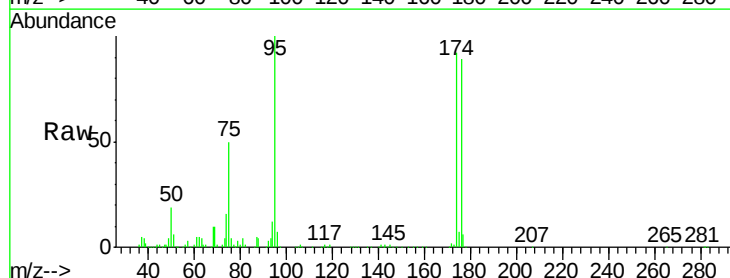
Tgt Ion: 75 Resp: 158157

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

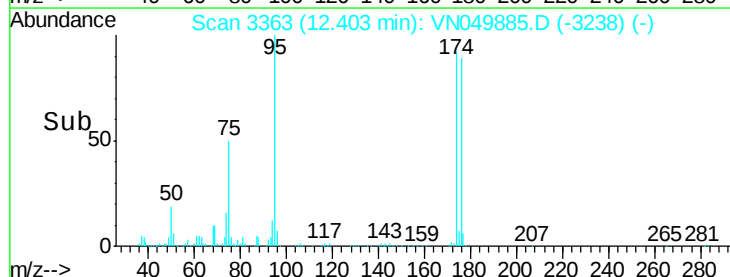
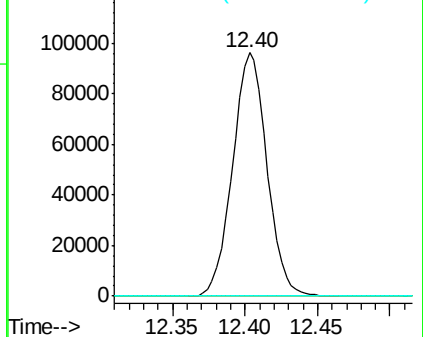
89 0.0 35.9 53.9#

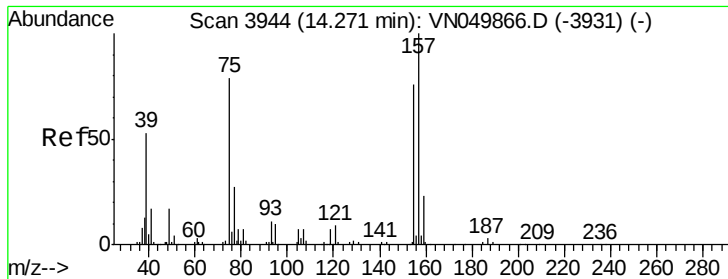


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

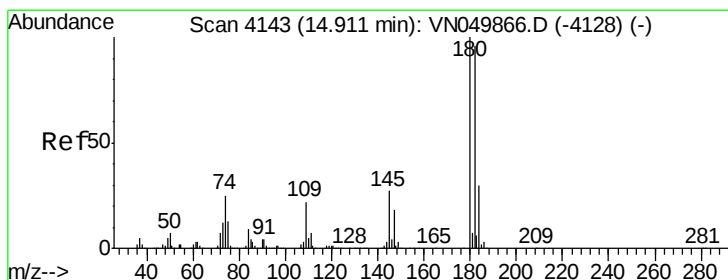
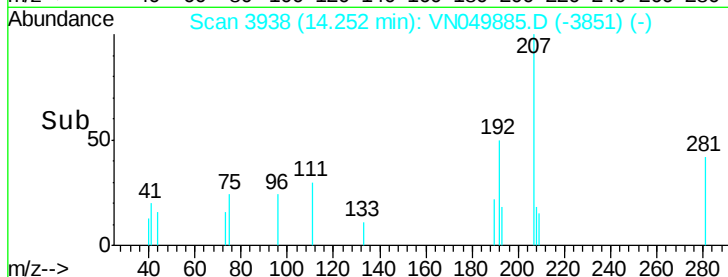
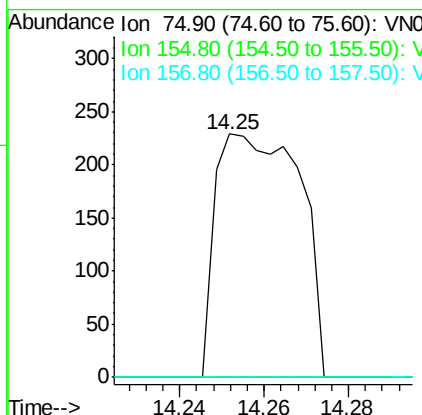
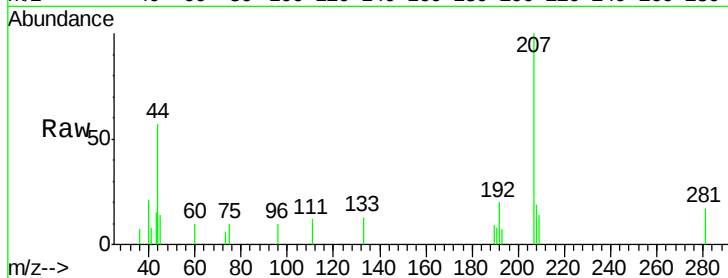




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 14.25 min Scan# 3938
 Delta R.T. -0.02 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

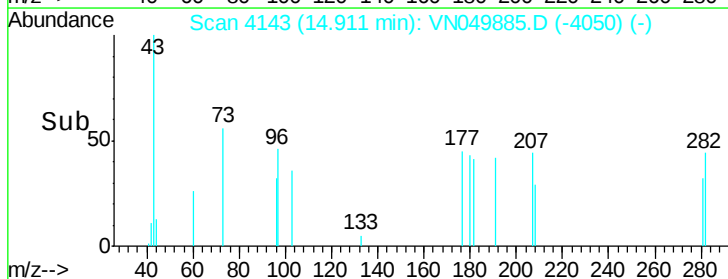
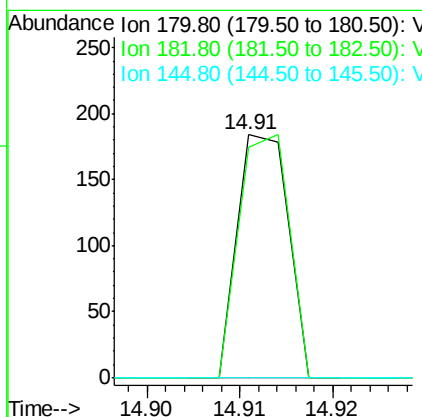
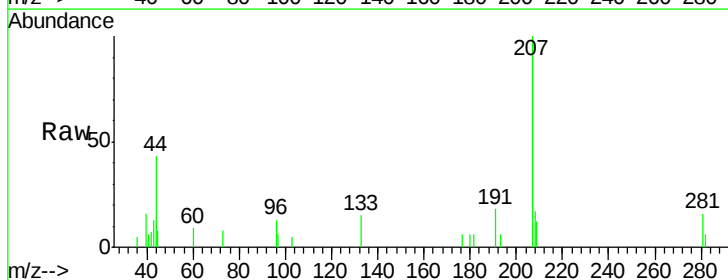
Instrument :
 MSVOA_N
 ClientSampled :

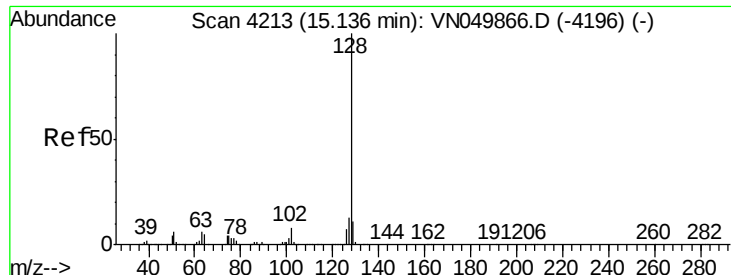
Tot Ion: 75 Resp: 318
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

Tgt Ion: 180 Resp: 70
 Ion Ratio Lower Upper
 180 100
 182 98.6 47.3 141.9
 145 0.0 14.4 43.0#

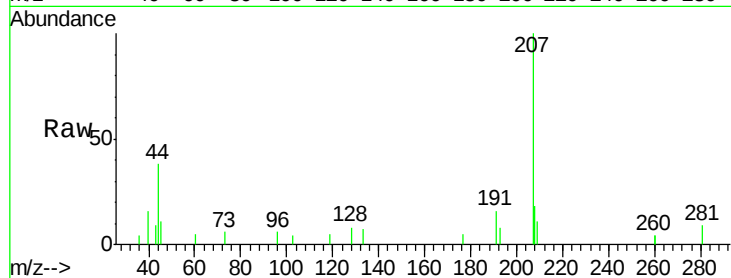




#95
 Naphthalene
 Concen: 4.52 ug/l
 RT: 15.13 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VN049885.D
 Acq: 18 Jul 2018 20:39

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

