

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049897.D
 Acq On : 19 Jul 2018 2:43
 Operator : MD\SY
 Sample : J3357-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:08:25 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	552638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	912820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	747186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280805	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	400140	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.59	113	358036	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
50) Toluene-d8	10.09	98	1212239	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	
62) 4-Bromofluorobenzene	12.40	95	325723	33.87	ug/l	0.00
Spiked Amount			Recovery	=	67.74%	

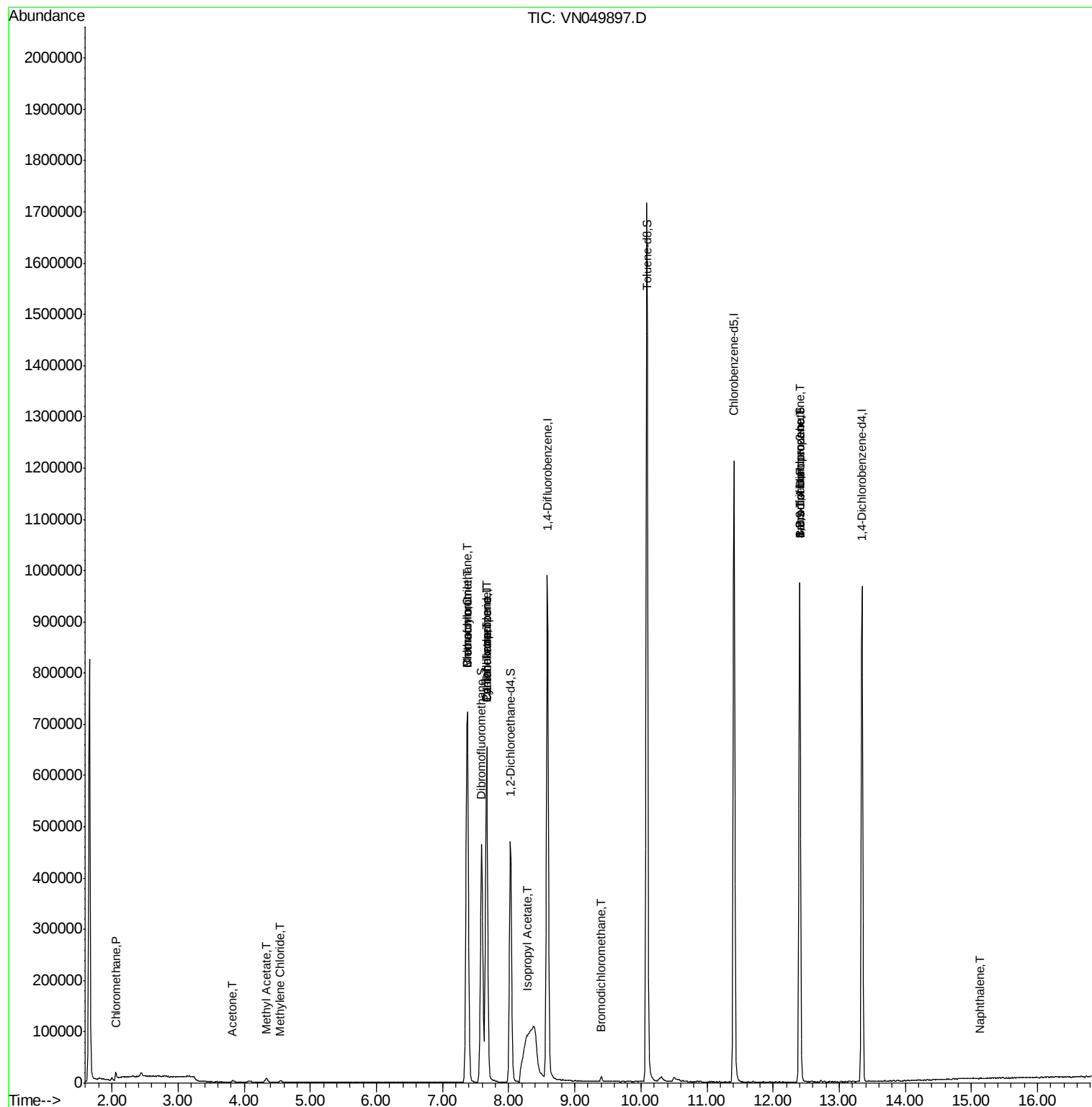
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	9987	1.32	ug/l	100
5) Bromomethane	2.56	94	315	Below	Cal	84
16) Acetone	3.83	43	4580	2.33	ug/l	96
18) Methyl Acetate	4.33	43	14829	1.60	ug/l	97
20) Methylene Chloride	4.54	84	2360	0.32	ug/l #	81
28) Bromochloromethane	7.37	49	57953	10.37	ug/l #	11
30) Chloroform	7.37	83	765821	60.29	ug/l	99
31) Cyclohexane	7.66	56	10287	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39521	3.89	ug/l #	49
38) Carbon Tetrachloride	7.67	117	50018	4.60	ug/l #	17
41) Methacrylonitrile	7.36	41	1644	0.47	ug/l #	20
43) Isopropyl Acetate	8.27	43	128164	10.53	ug/l #	63
47) Bromodichloromethane	9.41	83	6756	0.63	ug/l #	92
71) Bromoform	12.40	173	3093	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	161422	30.64	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161422	95.82	ug/l #	13
95) Naphthalene	15.14	128	199	4.51	ug/l #	69

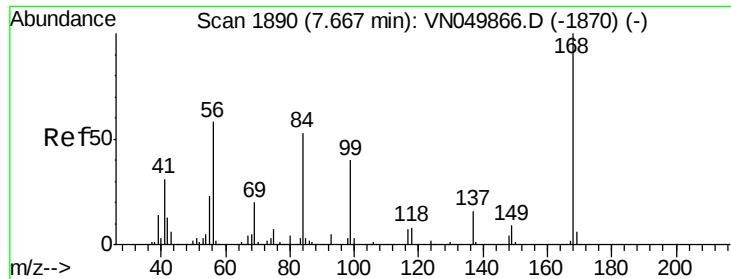
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049897.D

Acq: 19 Jul 2018 2:43

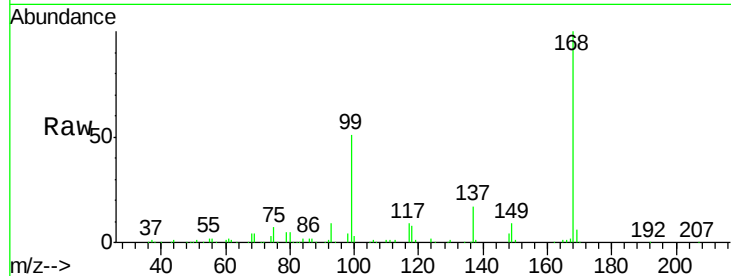
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 552638

Ion Ratio Lower Upper

168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

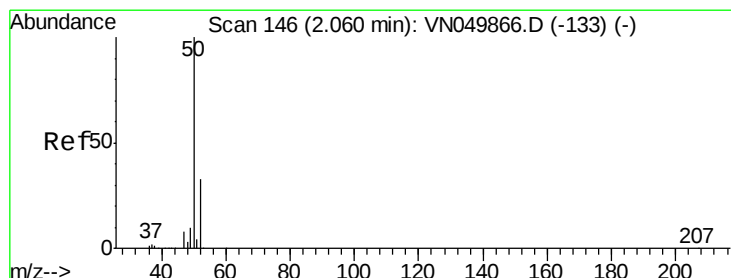
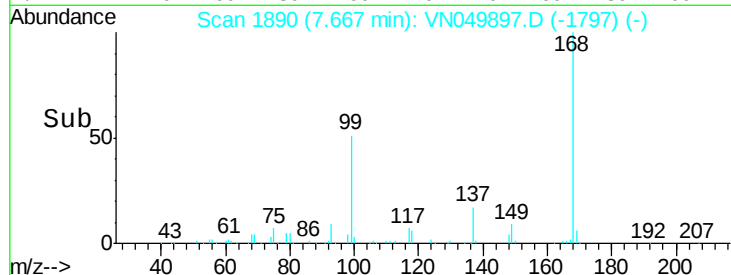
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.32 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049897.D

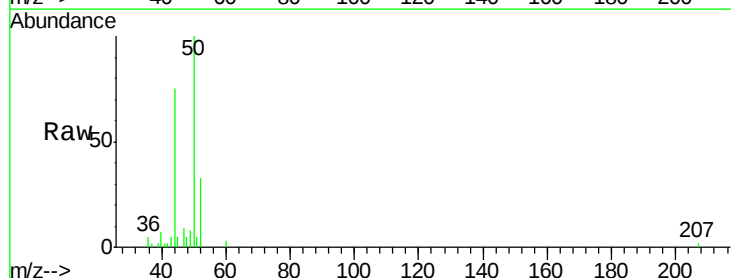
Acq: 19 Jul 2018 2:43

Tgt Ion: 50 Resp: 9987

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

8000

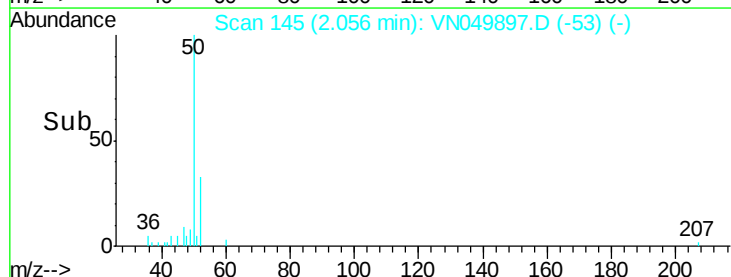
6000

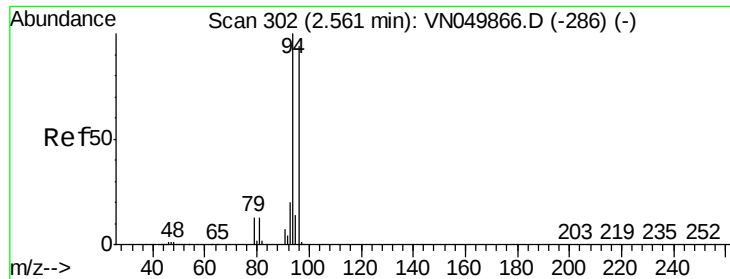
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

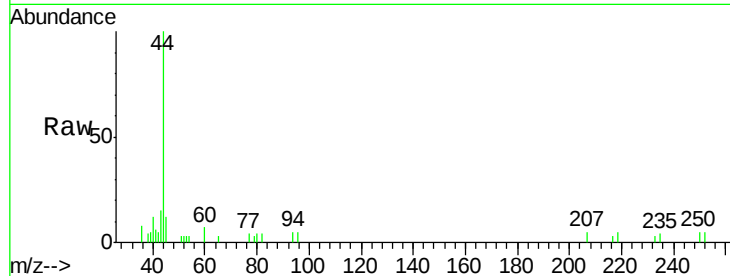
ClientSampled :

Tot Ion: 94 Resp: 315

Ion Ratio Lower Upper

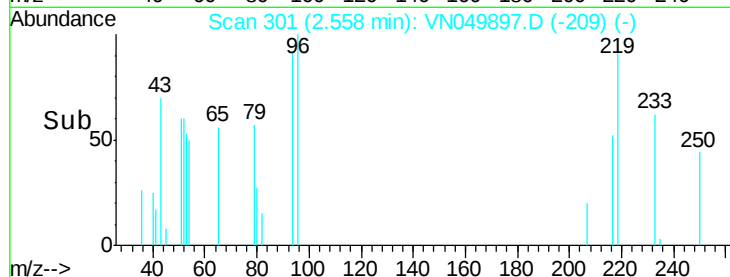
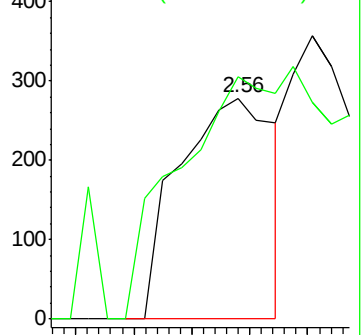
94 100

96 109.7 75.7 113.5

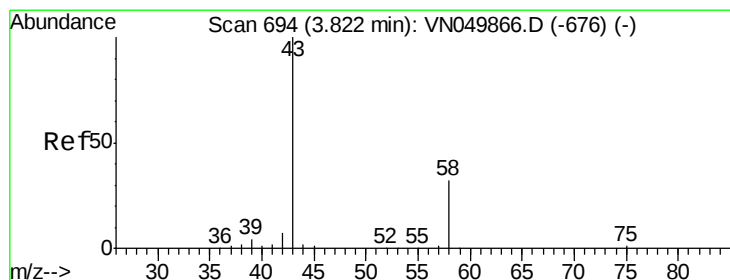


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: 2.33 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049897.D

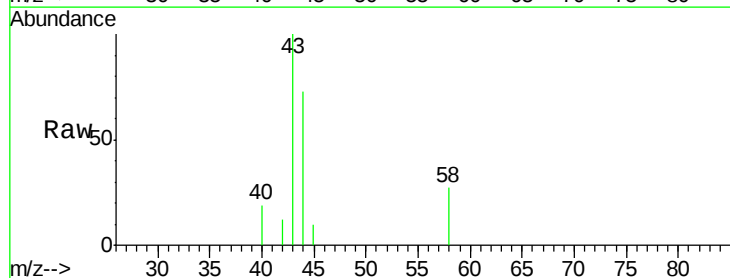
Acq: 19 Jul 2018 2:43

Tgt Ion: 43 Resp: 4580

Ion Ratio Lower Upper

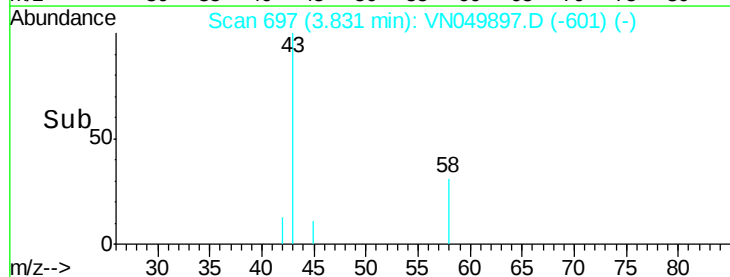
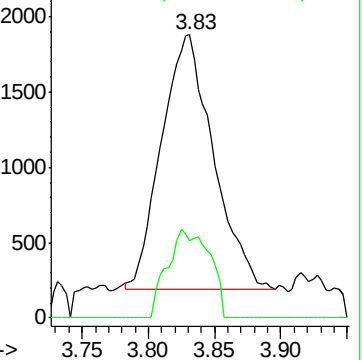
43 100

58 30.4 25.9 38.9

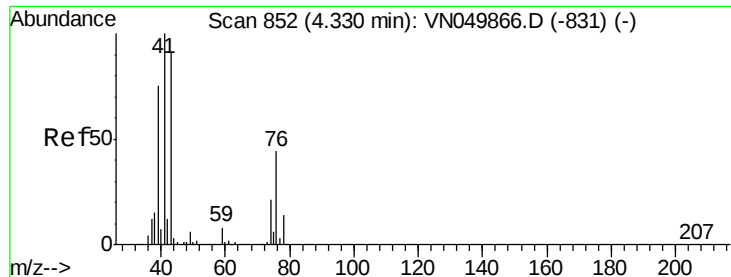


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



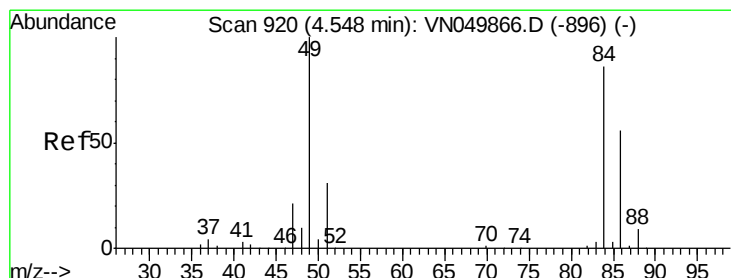
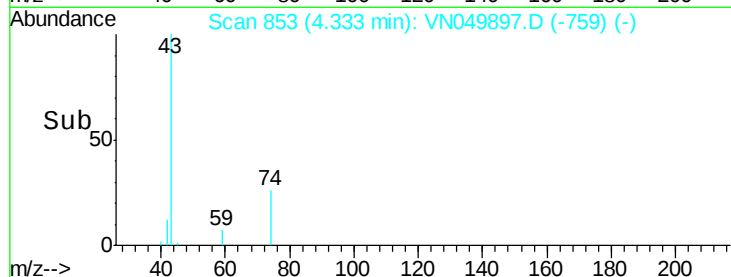
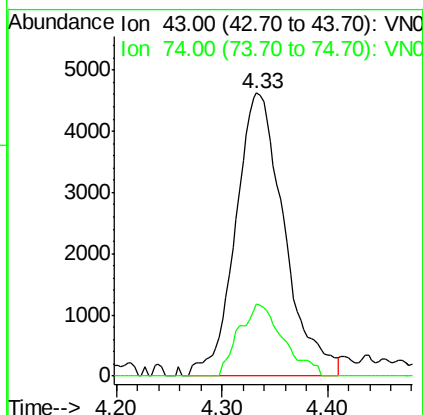
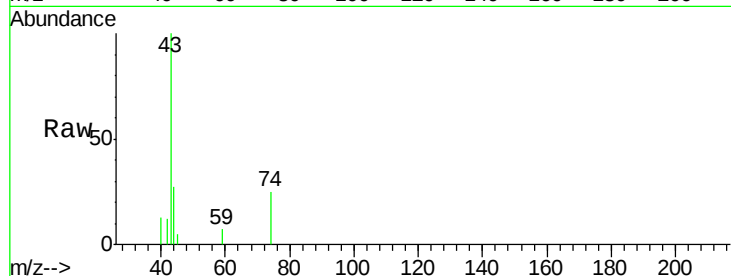
Time-->



#18
Methvl Acetate
Concen: 1.60 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

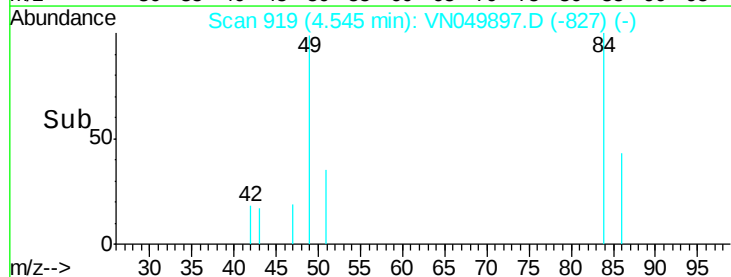
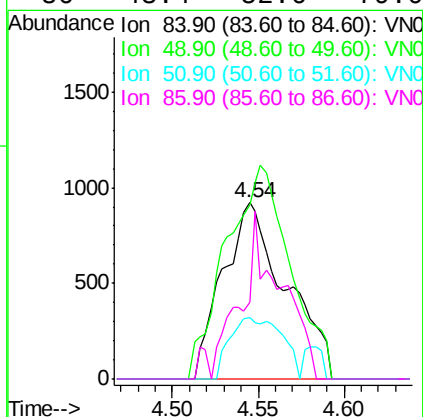
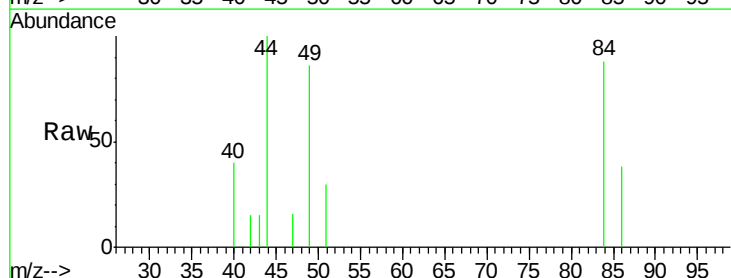
Instrument :
MSVOA_N
ClientSampled :

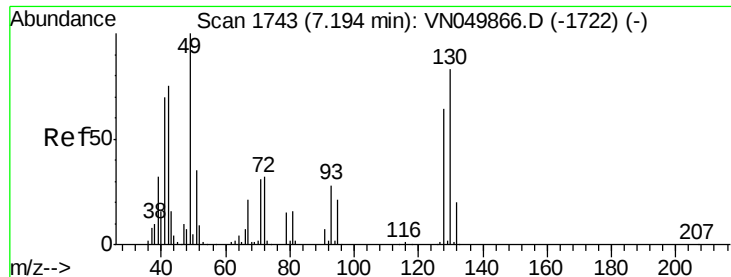
Tot Ion: 43 Resp: 14829
Ion Ratio Lower Upper
43 100
74 23.2 19.8 29.8



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

Tgt Ion: 84 Resp: 2360
Ion Ratio Lower Upper
84 100
49 98.7 95.4 143.2
51 34.7 28.4 42.6
86 43.4 52.6 79.0#





#28

Bromochloromethane

Concen: 10.37 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.18 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :
MSVOA_N
ClientSampled :

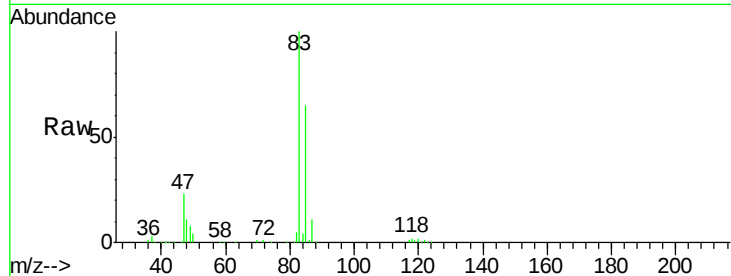
Tot Ion: 49 Resp: 57953

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 65.5 98.3#

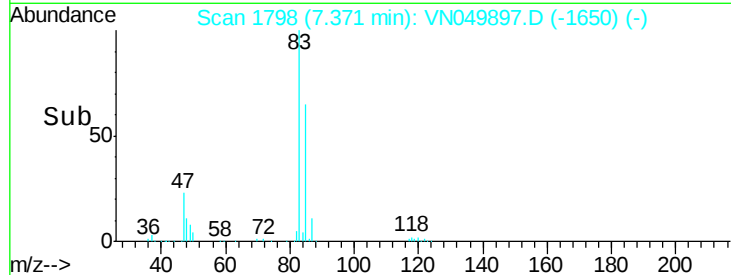


Abundance Ion 48.90 (48.60 to 49.60): VN049866.D (-1722) (-)

Ion 128.80 (128.50 to 129.50): VN049866.D (-1722) (-)

Ion 129.80 (129.50 to 130.50): VN049866.D (-1722) (-)

Time--> 7.25 7.30 7.35 7.40 7.45

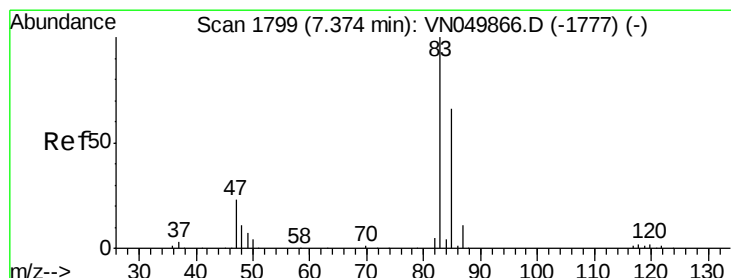


Abundance Ion 48.90 (48.60 to 49.60): VN049866.D (-1722) (-)

Ion 128.80 (128.50 to 129.50): VN049866.D (-1722) (-)

Ion 129.80 (129.50 to 130.50): VN049866.D (-1722) (-)

Time--> 7.25 7.30 7.35 7.40 7.45



#30

Chloroform

Concen: 60.29 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049897.D

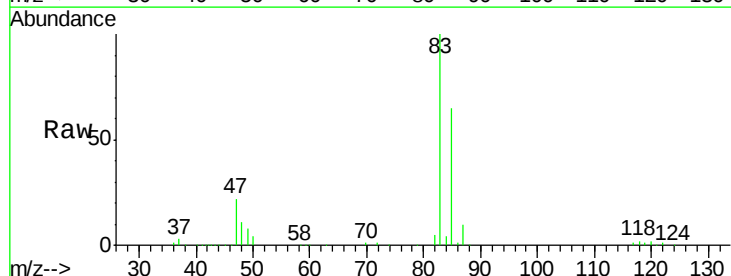
Acq: 19 Jul 2018 2:43

Tgt Ion: 83 Resp: 765821

Ion Ratio Lower Upper

83 100

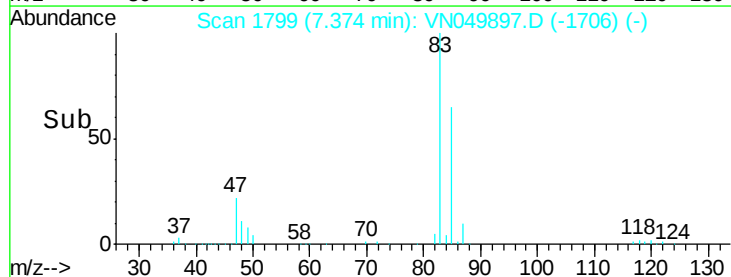
85 65.1 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-1777) (-)

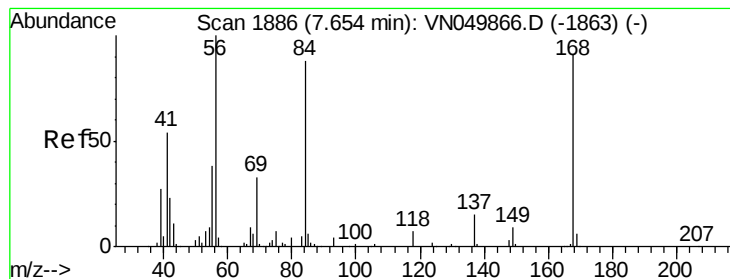
Time--> 7.20 7.30 7.40 7.50



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-1777) (-)

Time--> 7.20 7.30 7.40 7.50



#31

Cyclohexane

Concen: 1.02 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

ClientSampled :

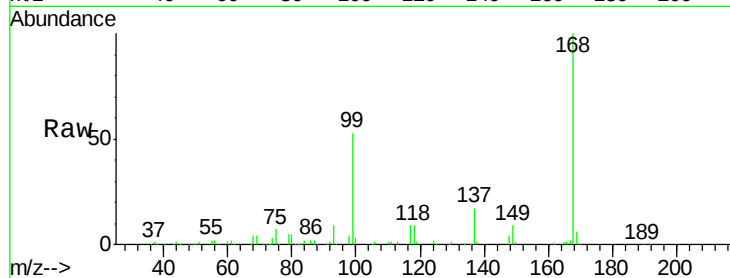
Tot Ion: 56 Resp: 10287

Ion Ratio Lower Upper

56 100

69 187.4 26.6 40.0#

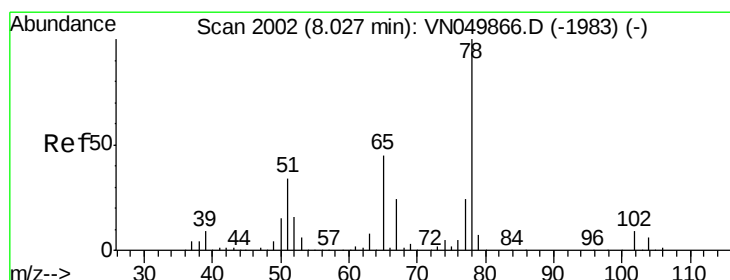
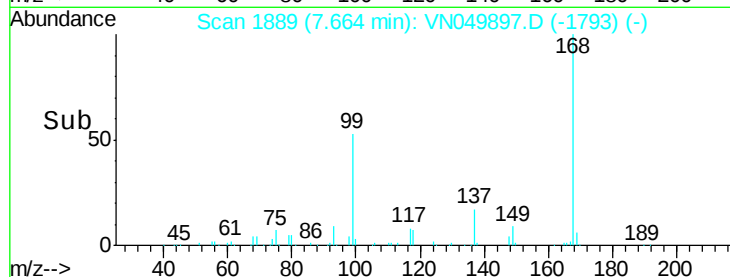
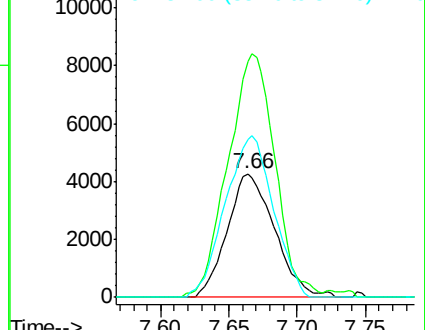
84 127.9 69.0 103.6#



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: 52.68 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049897.D

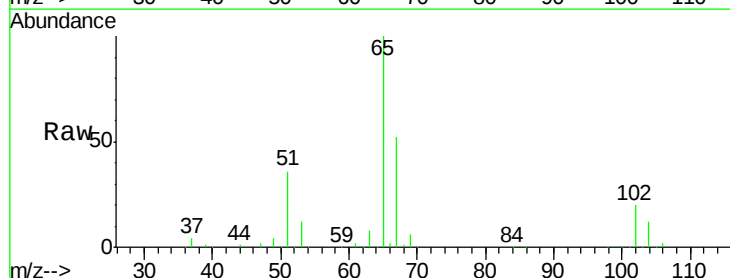
Acq: 19 Jul 2018 2:43

Tgt Ion: 65 Resp: 400140

Ion Ratio Lower Upper

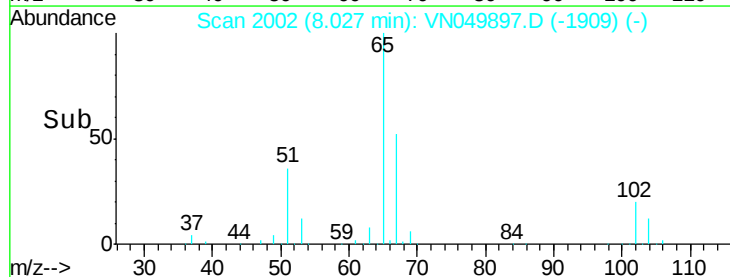
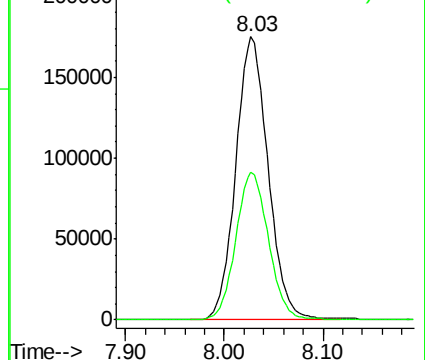
65 100

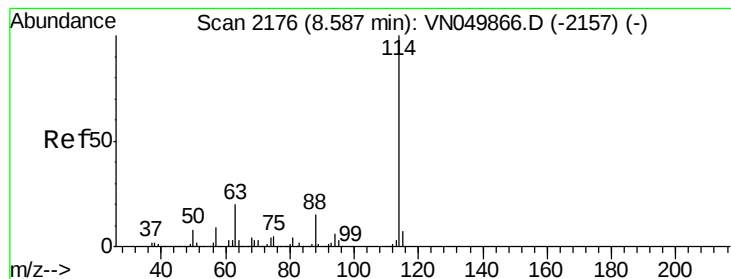
67 52.7 0.0 107.2



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: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

ClientSampleId :

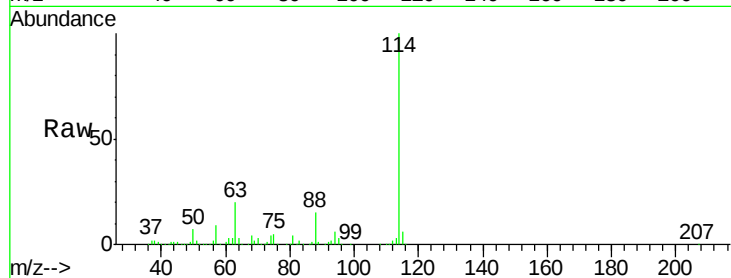
Tot Ion:114 Resp: 912820

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

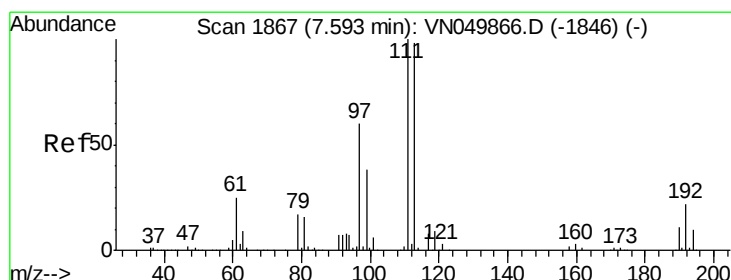
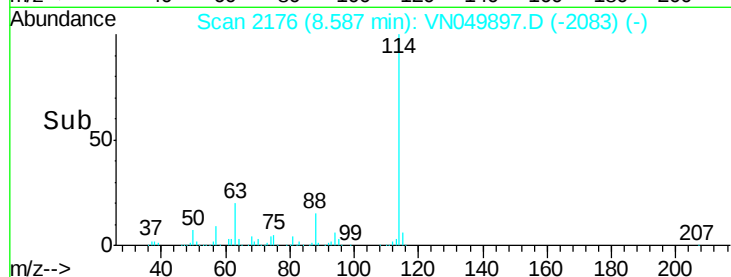
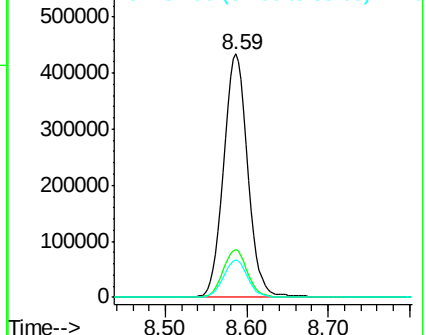
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.72 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

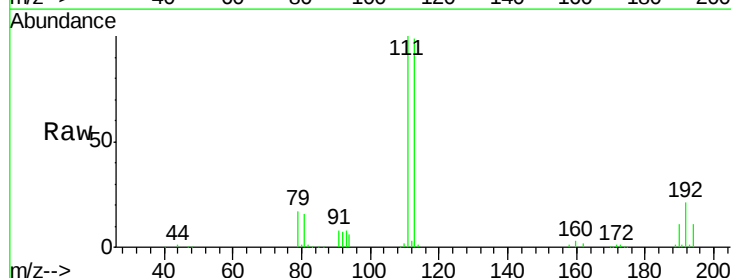
Tgt Ion:113 Resp: 358036

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

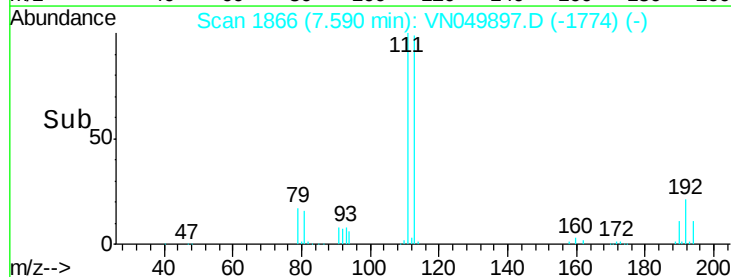
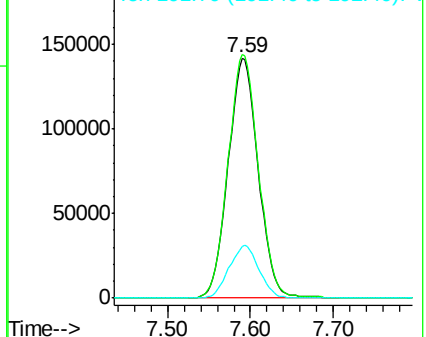
192 21.8 17.8 26.6

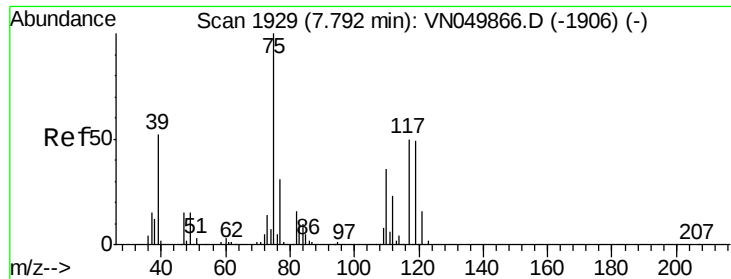


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

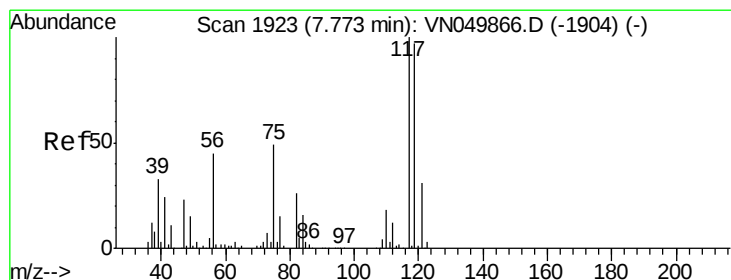
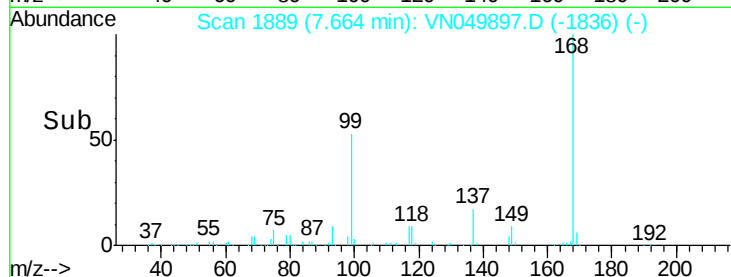
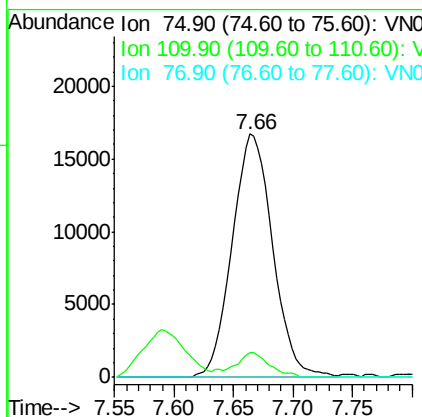
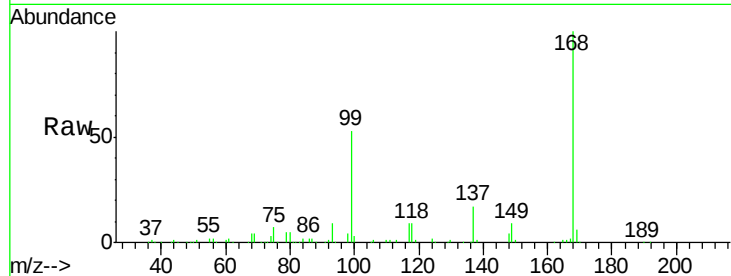




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049897.D
 Acq: 19 Jul 2018 2:43

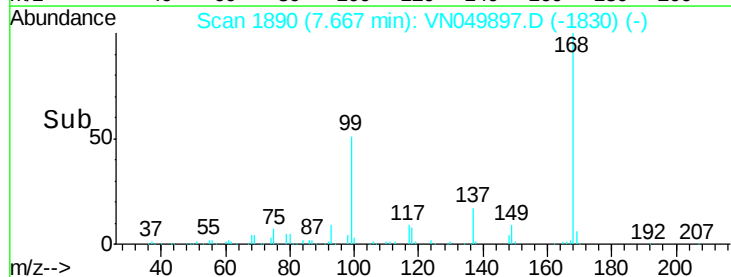
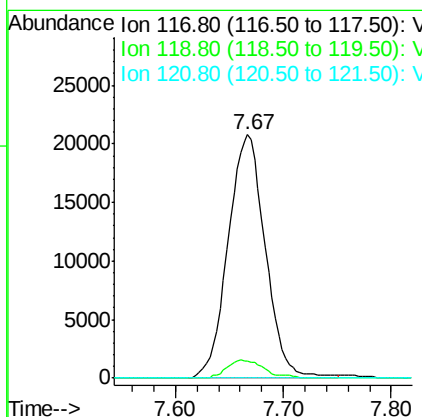
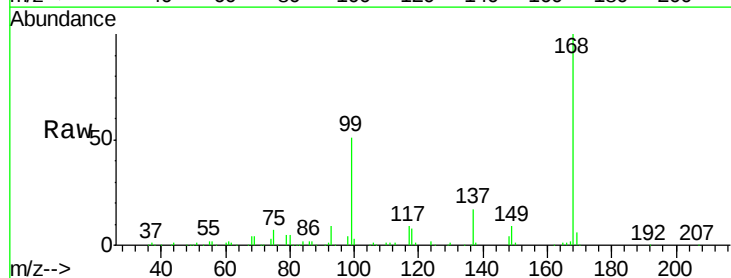
Instrument :
 MSVOA_N
 ClientSampled :

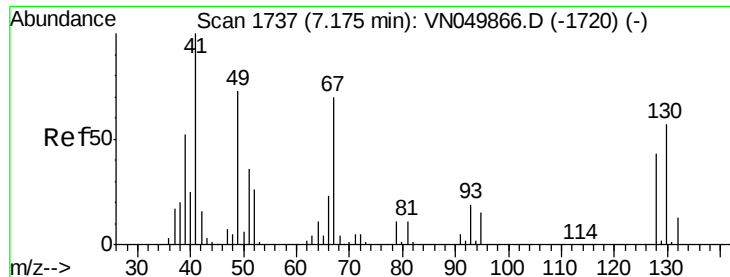
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049897.D
 Acq: 19 Jul 2018 2:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	77.2	115.8#
121	0.0	25.0	37.6#





#41

Methacrylonitrile

Concen: 0.47 ug/l

RT: 7.36 min Scan# 1796

Delta R.T. 0.19 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 1644

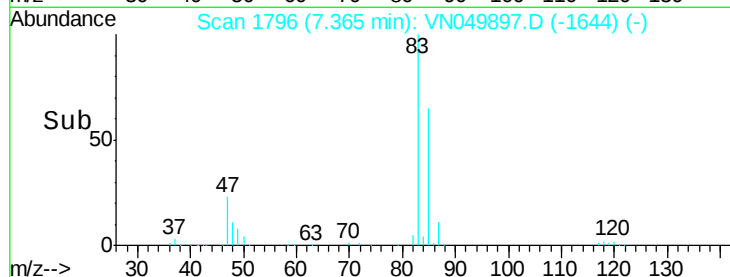
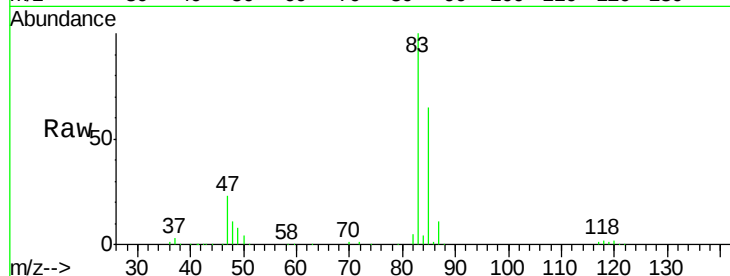
Ion Ratio Lower Upper

41 100

39 0.0 45.4 68.2#

67 0.0 65.4 98.0#

52 0.0 24.7 37.1#

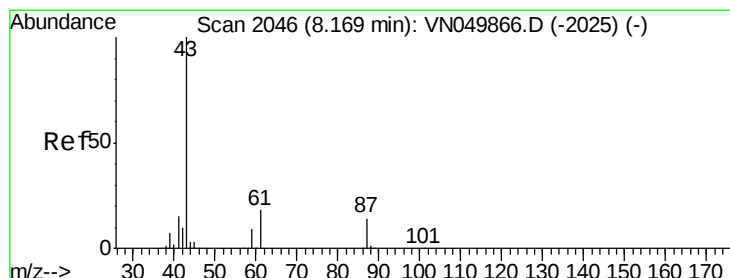
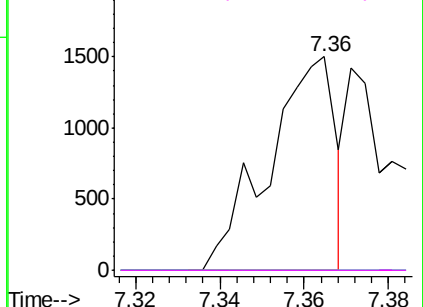


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 10.53 ug/l

RT: 8.27 min Scan# 2079

Delta R.T. 0.11 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

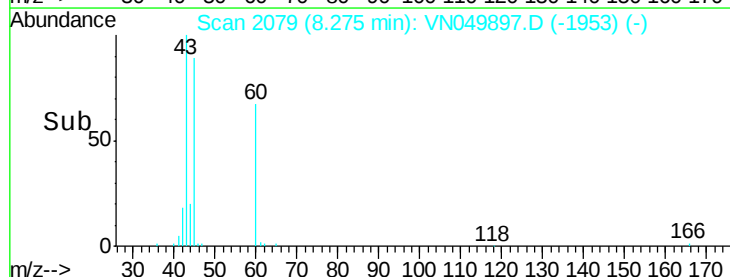
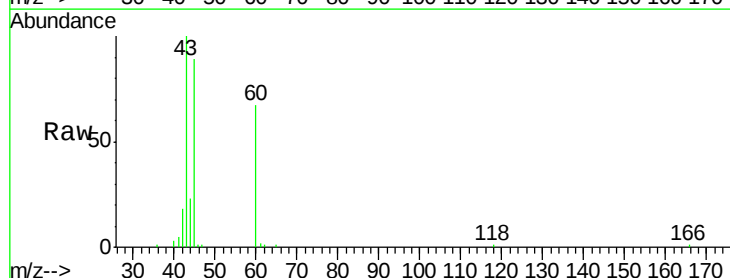
Tgt Ion: 43 Resp: 128164

Ion Ratio Lower Upper

43 100

61 0.2 14.9 22.3#

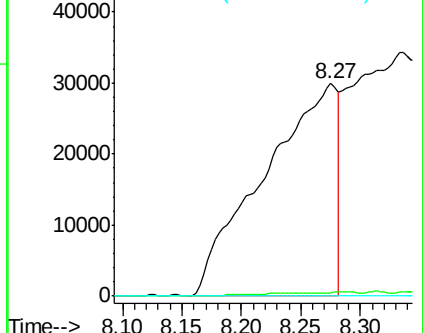
87 0.0 10.0 15.0#

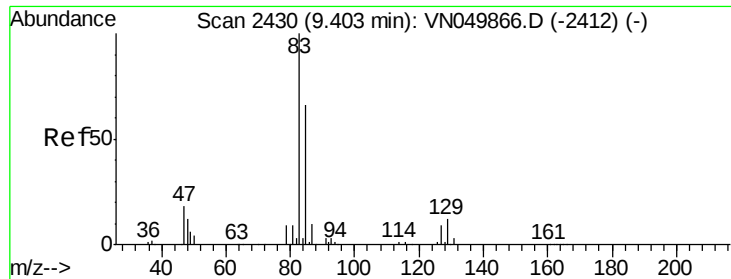


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#47

Bromodichloromethane

Concen: 0.63 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

ClientSampleId :

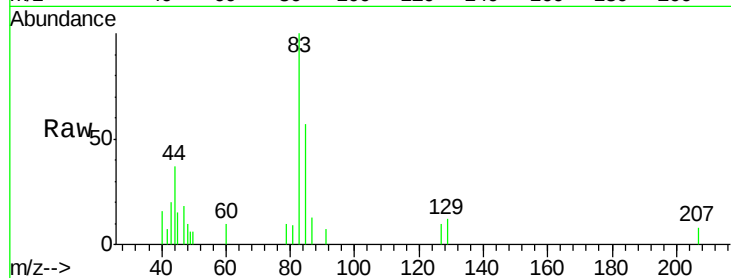
Tot Ion: 83 Resp: 6756

Ion Ratio Lower Upper

83 100

85 56.8 50.5 75.7

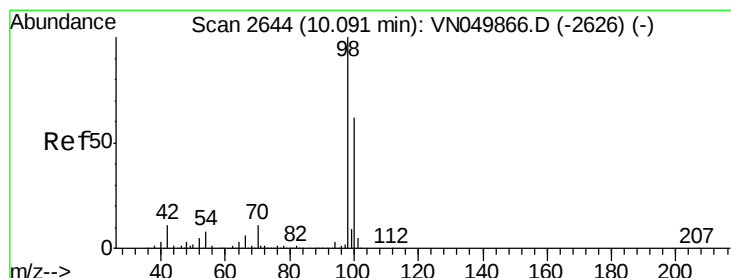
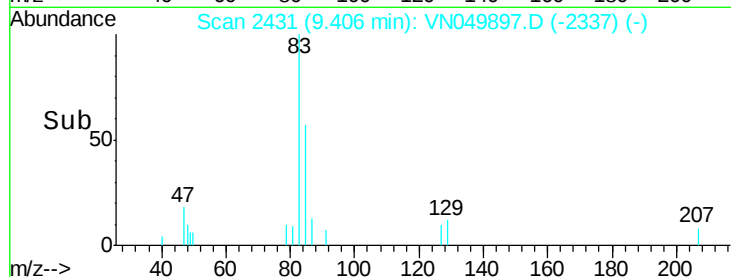
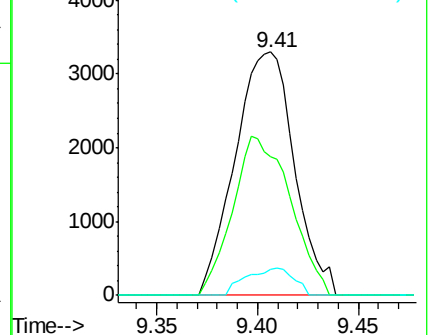
127 10.5 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-2412) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-2412) (-)

Ion 126.80 (126.50 to 127.50): VN049866.D (-2412) (-)



#50

Toluene-d8

Concen: 43.42 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049897.D

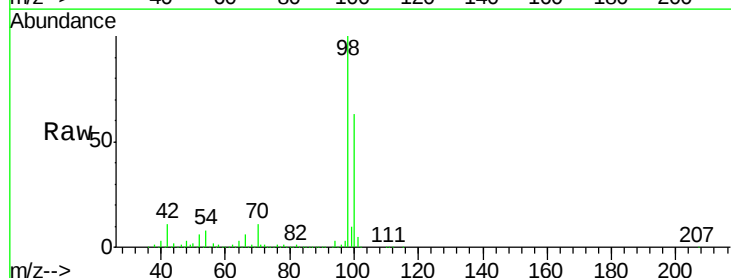
Acq: 19 Jul 2018 2:43

Tgt Ion: 98 Resp: 1212239

Ion Ratio Lower Upper

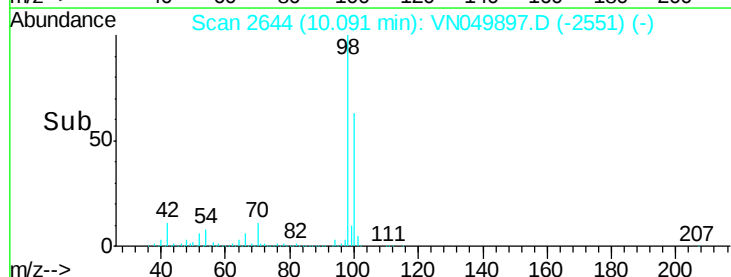
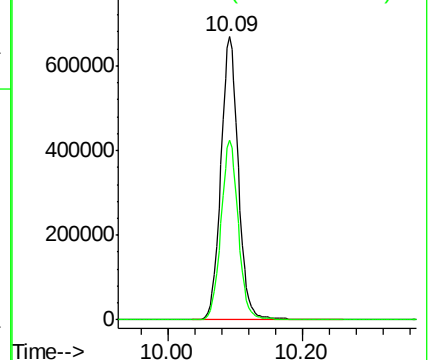
98 100

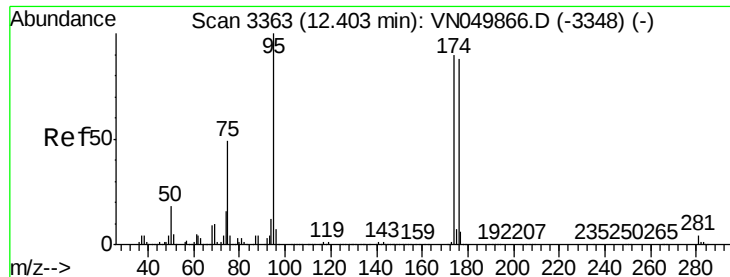
100 63.0 51.7 77.5



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

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

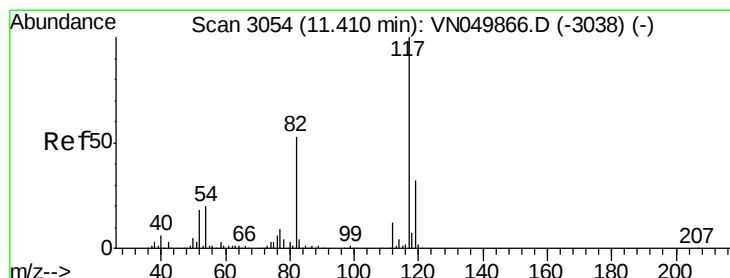
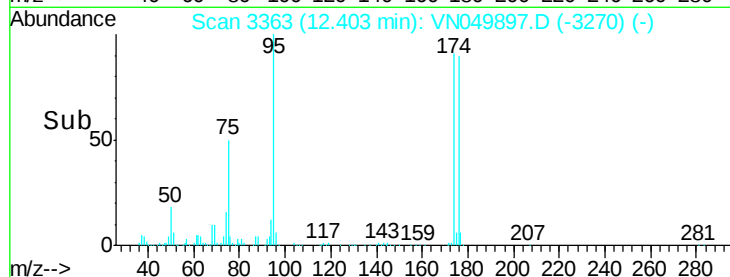
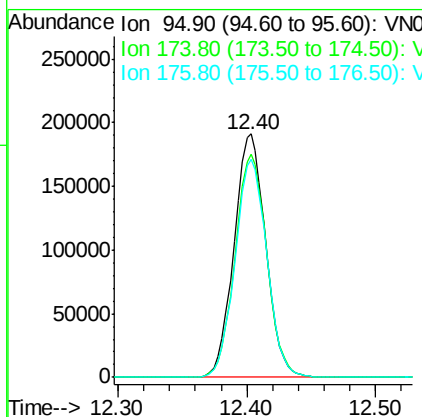
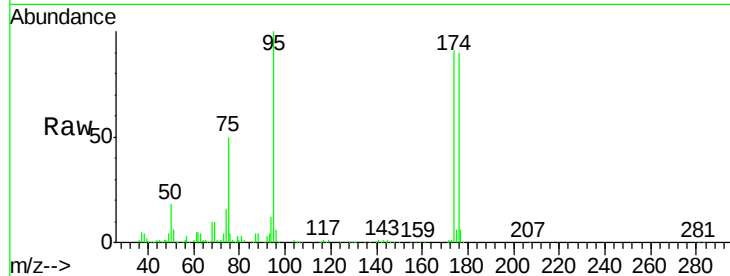




#62
4-Bromofluorobenzene
Concen: 33.87 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

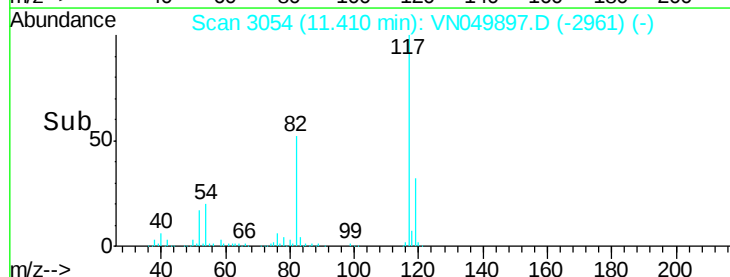
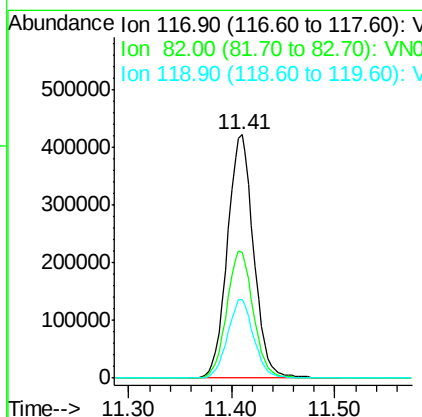
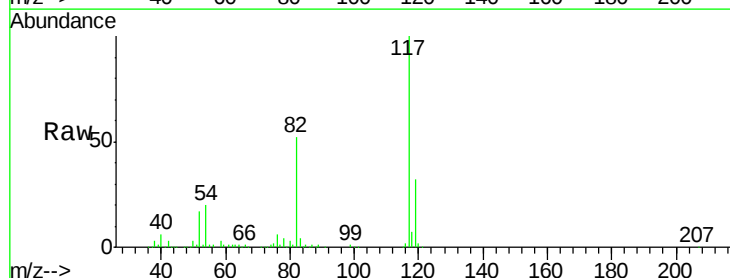
Instrument :
MSVOA_N
ClientSampled :

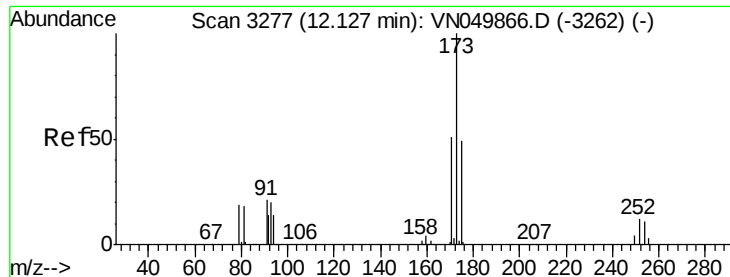
Tot Ion: 95 Resp: 325723
Ion Ratio Lower Upper
95 100
174 92.2 0.0 179.6
176 89.7 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

Tgt Ion: 117 Resp: 747186
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 32.3 25.4 38.2

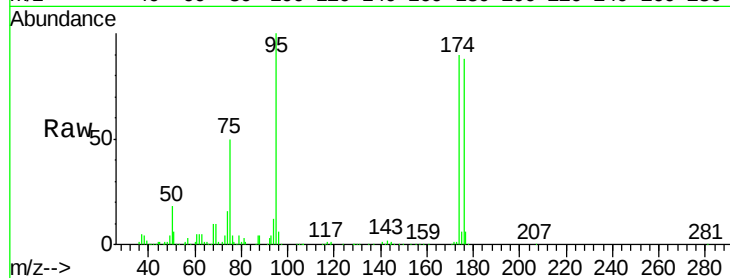




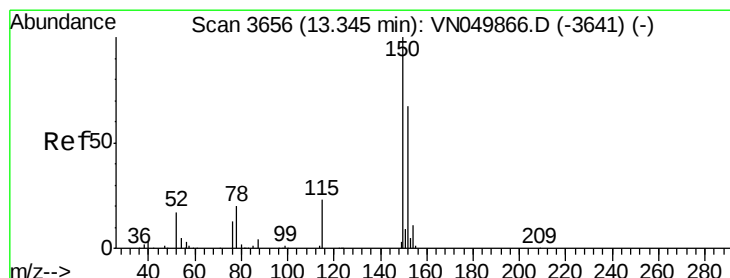
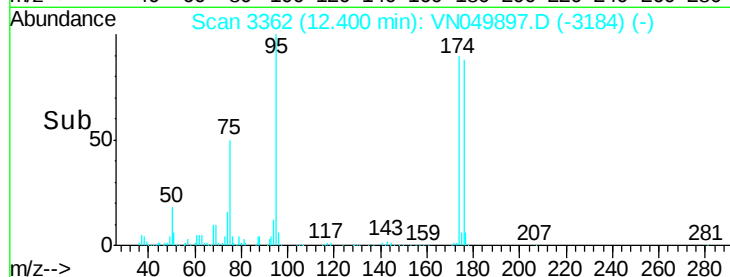
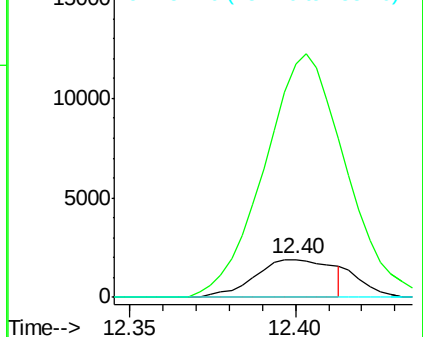
#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 3093
Ion Ratio Lower Upper
173 100
175 563.5 24.6 73.8#
254 0.0 0.2 0.2#

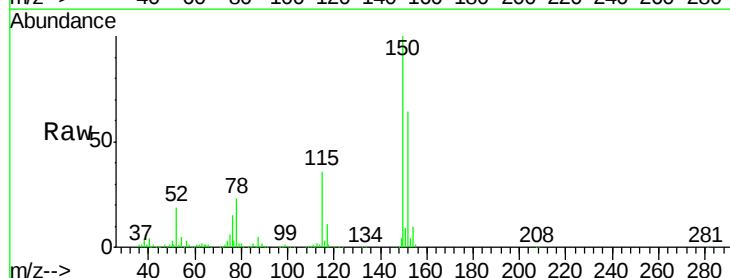


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

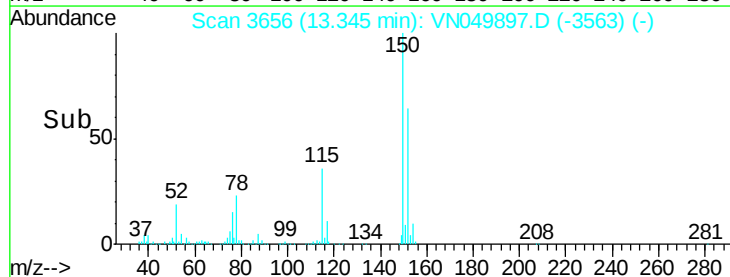
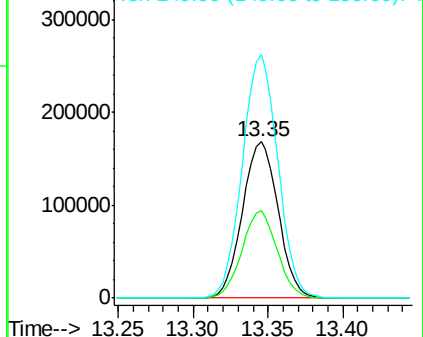


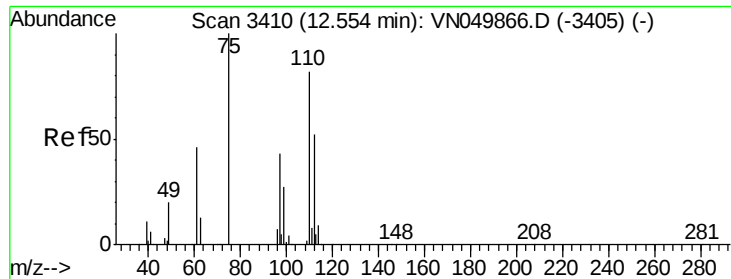
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

Tgt Ion:152 Resp: 280805
Ion Ratio Lower Upper
152 100
115 54.7 28.1 84.2
150 154.8 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: 30.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

Instrument :

MSVOA_N

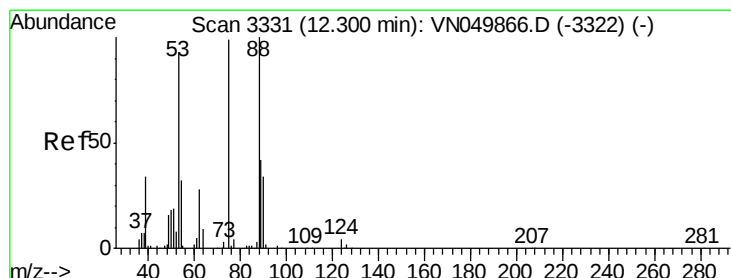
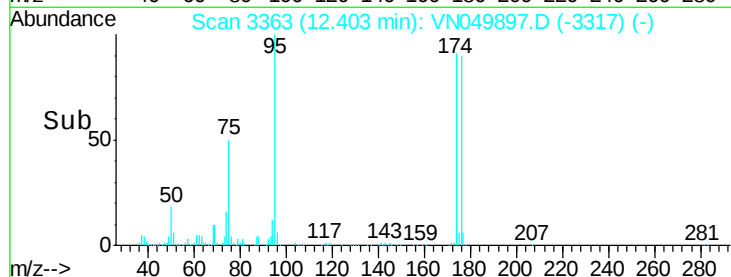
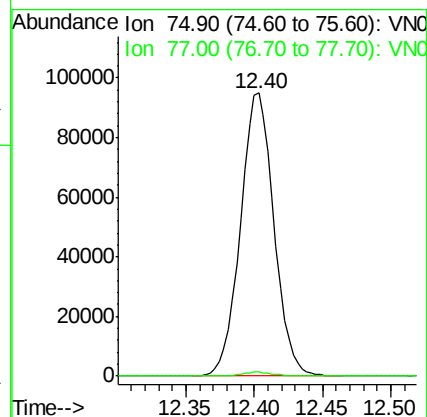
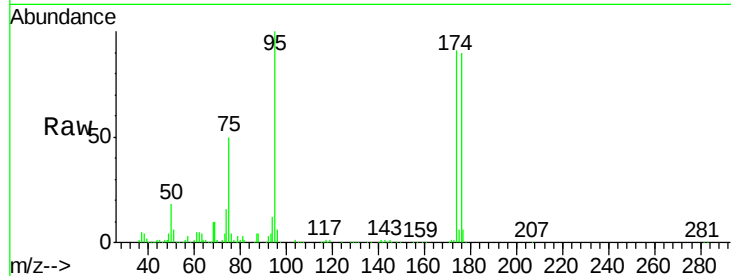
ClientSampled :

Tot Ion: 75 Resp: 161422

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049897.D

Acq: 19 Jul 2018 2:43

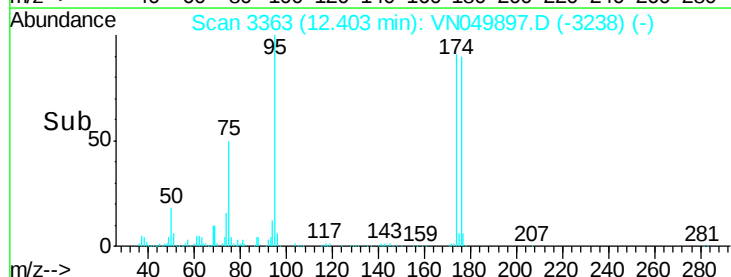
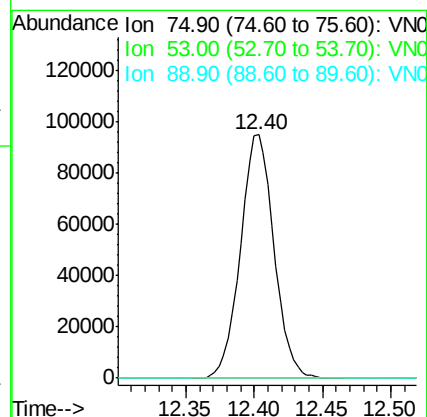
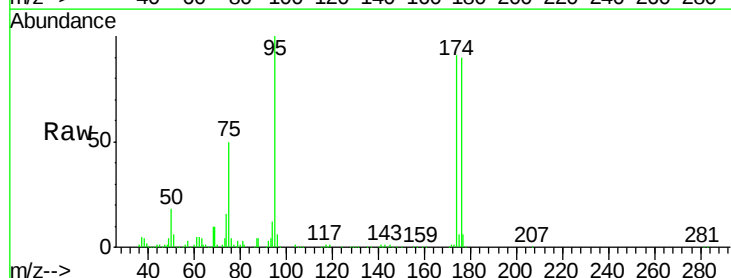
Tgt Ion: 75 Resp: 161422

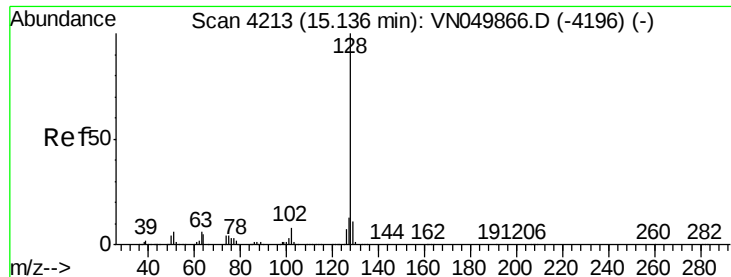
Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#

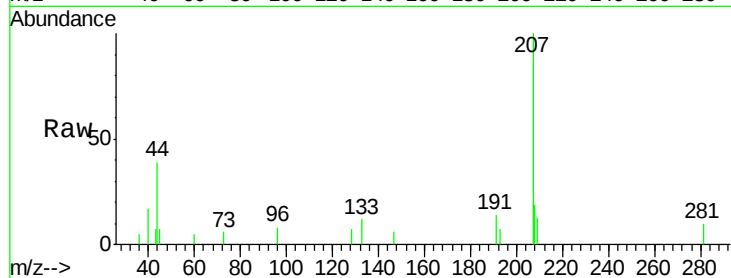




#95
Naphthalene
Concen: 4.51 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049897.D
Acq: 19 Jul 2018 2:43

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

