

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050490.D
 Acq On : 9 Aug 2018 17:05
 Operator : MD\SY
 Sample : J4275-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:05:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	754841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1208855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1056884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	436239	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	499283	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.59	113	460949	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1643973	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
62) 4-Bromofluorobenzene	12.40	95	496543	39.95	ug/l	0.00
Spiked Amount			Recovery	=	79.90%	

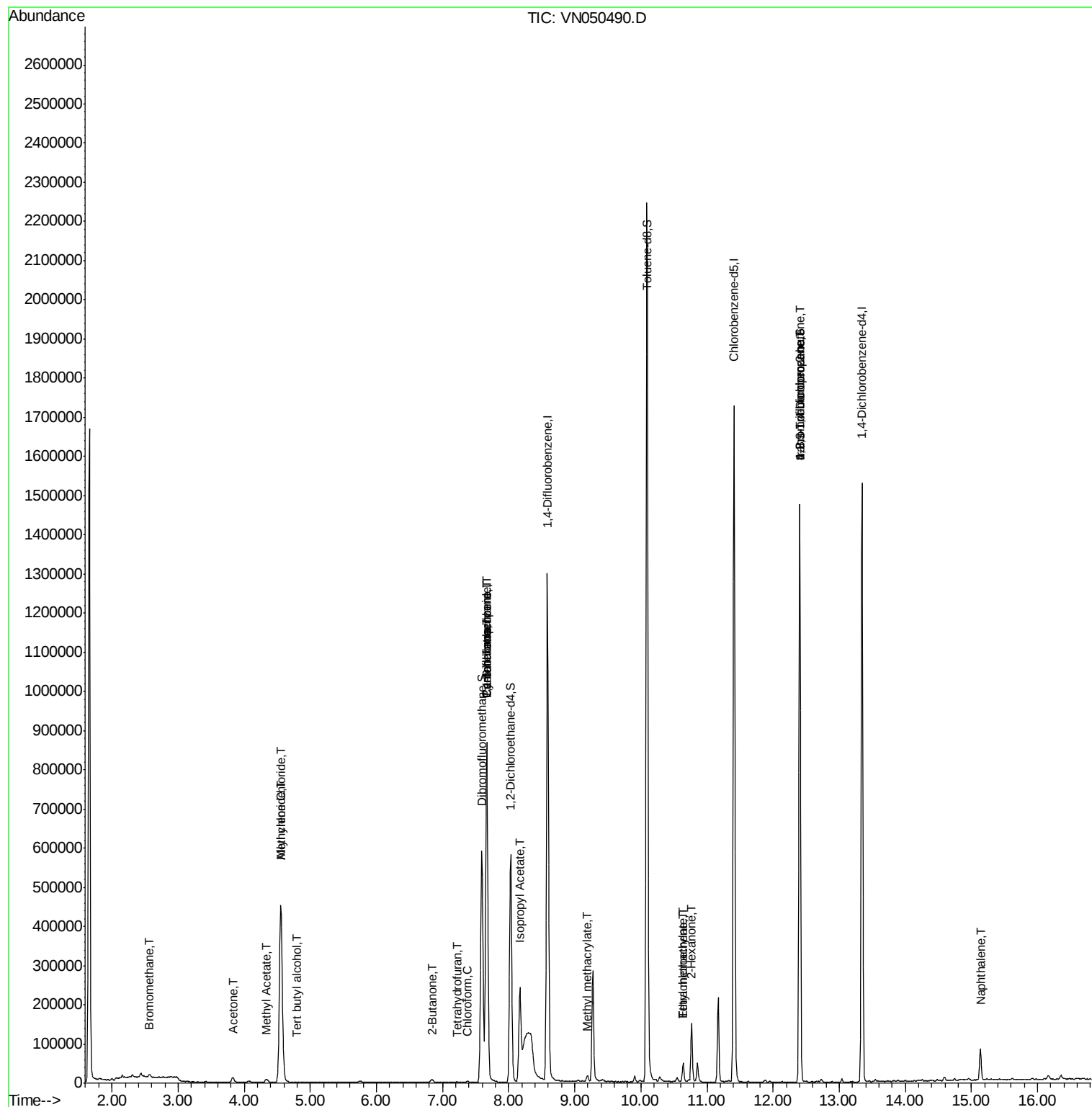
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3109	Below Cal		99
5) Bromomethane	2.57	94	4411	1.01 ug/l		89
11) Tert butyl alcohol	4.80	59	1521	1.88 ug/l #		72
14) Allyl chloride	4.56	41	12320	0.94 ug/l #		24
16) Acetone	3.83	43	22642	7.18 ug/l		95
18) Methyl Acetate	4.34	43	16364	1.91 ug/l		96
20) Methylene Chloride	4.55	84	364860	39.34 ug/l		96
25) 2-Butanone	6.85	43	5554	1.11 ug/l		96
29) Tetrahydrofuran	7.23	42	1091	0.41 ug/l #		62
30) Chloroform	7.37	83	4569	0.28 ug/l		92
31) Cyclohexane	7.66	56	12812	0.26 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	50015	3.77 ug/l #		48
38) Carbon Tetrachloride	7.67	117	67284	4.86 ug/l #		17
43) Isopropyl Acetate	8.17	43	316282	19.15 ug/l		97
48) Methyl methacrylate	9.18	41	9300	1.12 ug/l #		20
56) Ethyl methacrylate	10.64	69	625	1.75 ug/l #		1
59) 2-Hexanone	10.77	43	21280	2.56 ug/l #		60
64) Tetrachloroethene	10.63	164	2153	0.22 ug/l #		88
76) 1,2,3-Trichloropropane	12.40	75	235686	29.85 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	235686	104.87 ug/l #		13
95) Naphthalene	15.14	128	70042	6.70 ug/l		99

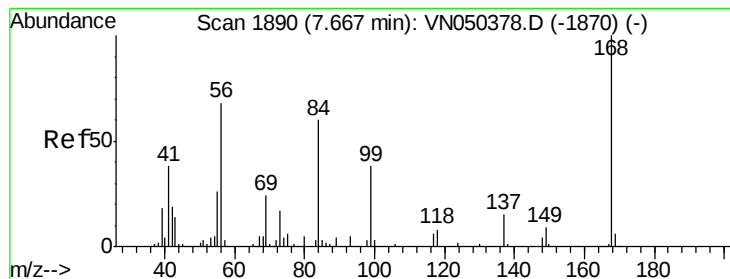
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

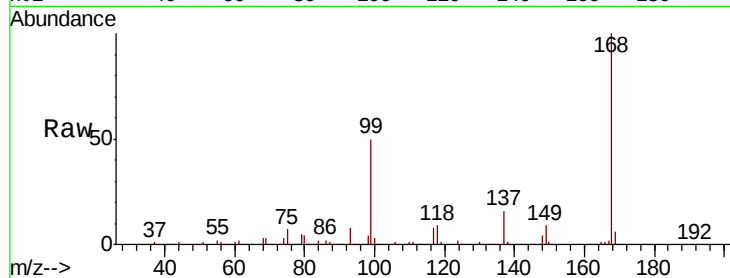
ClientSampled :

Tot Ion:168 Resp: 754841

Ion Ratio Lower Upper

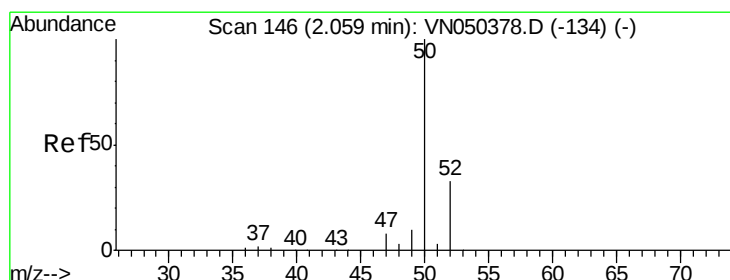
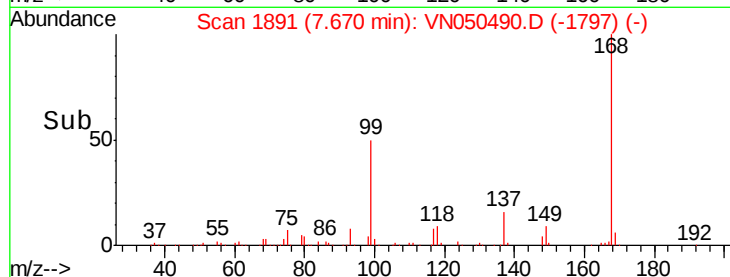
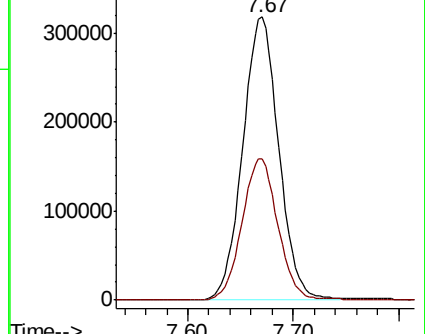
168 100

99 49.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050490.D

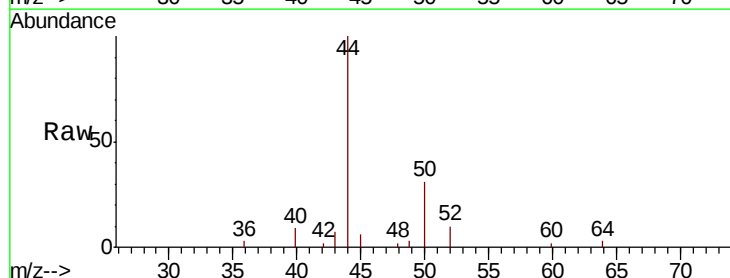
Acq: 9 Aug 2018 17:05

Tgt Ion: 50 Resp: 3109

Ion Ratio Lower Upper

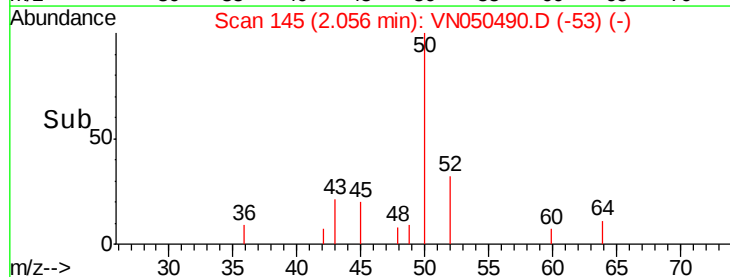
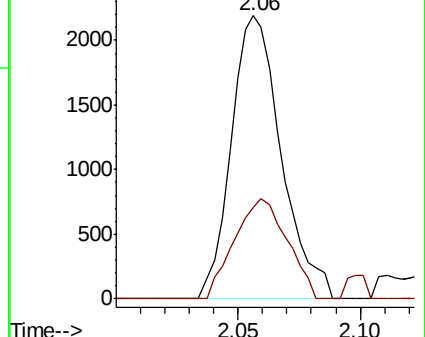
50 100

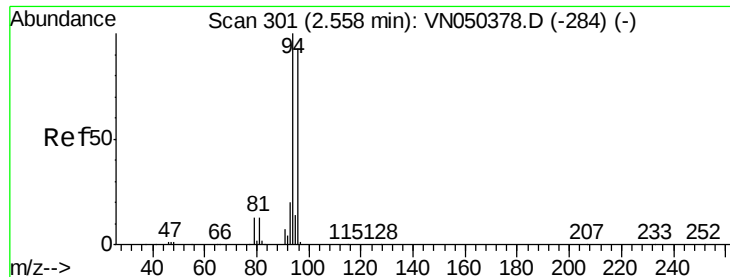
52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 1.01 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

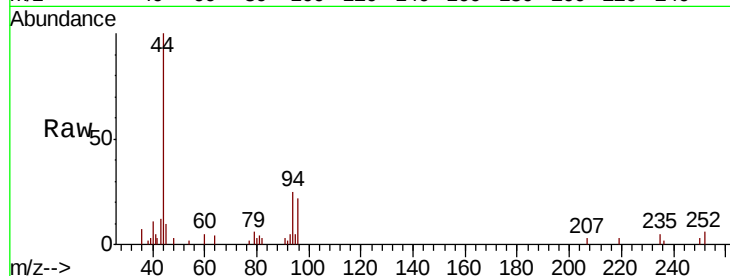
ClientSampleId :

Tot Ion: 94 Resp: 4411

Ion Ratio Lower Upper

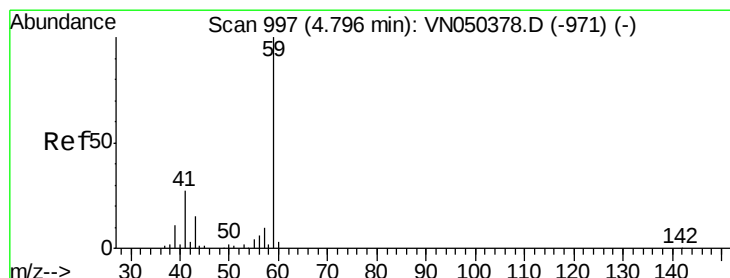
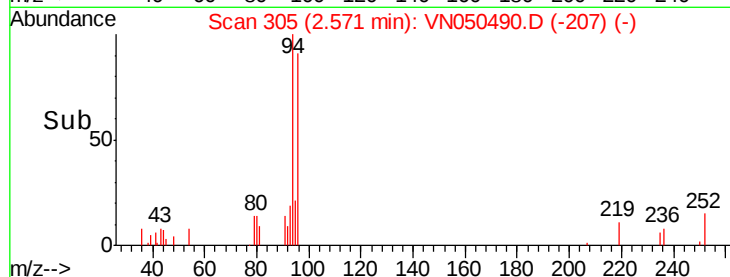
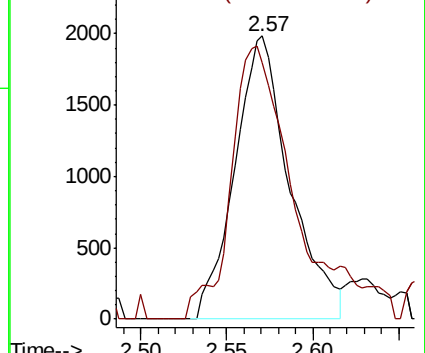
94 100

96 82.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050490.D (-207) (-)



#11

Tert butyl alcohol

Concen: 1.88 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN050490.D

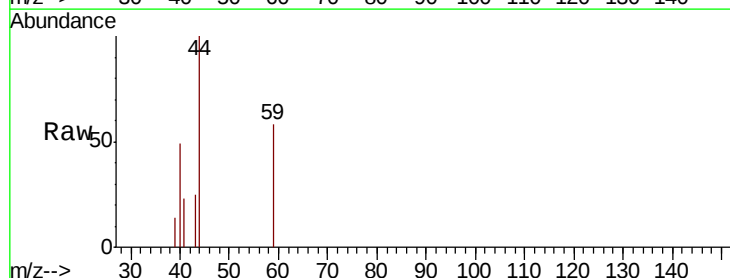
Acq: 9 Aug 2018 17:05

Tgt Ion: 59 Resp: 1521

Ion Ratio Lower Upper

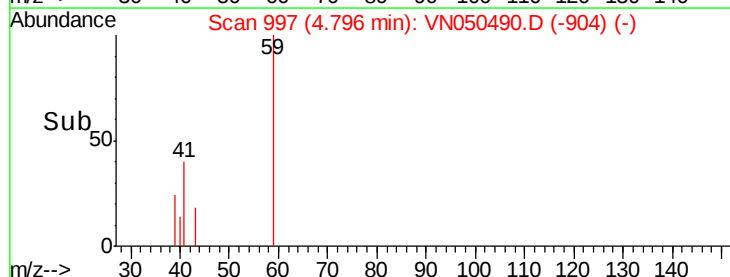
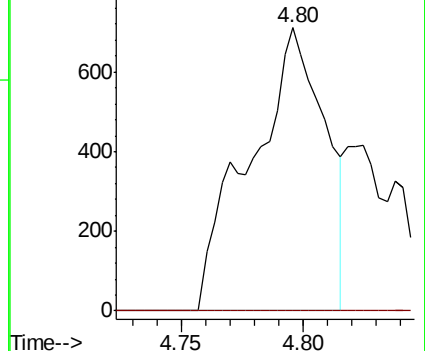
59 100

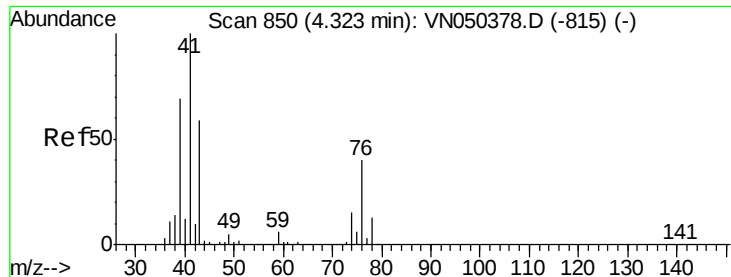
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN050378.D (-971) (-)

Ion 57.00 (56.70 to 57.70): VN050490.D (-904) (-)

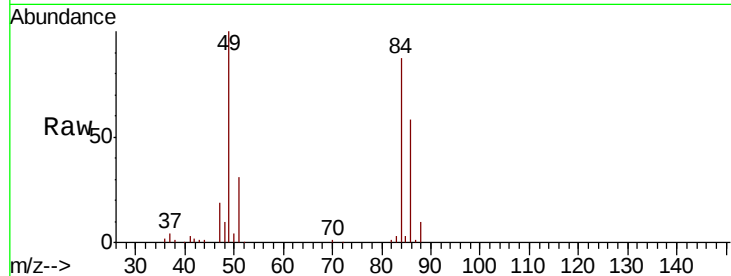




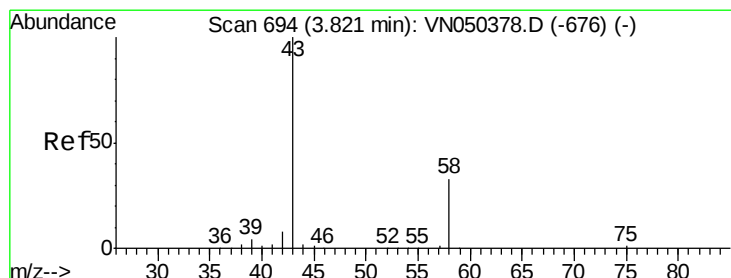
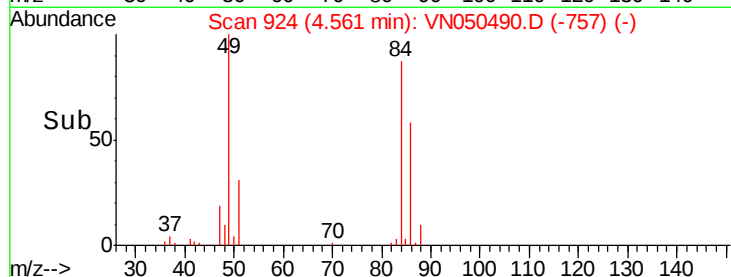
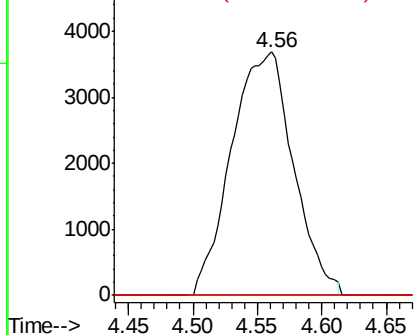
#14
Allvl chloride
Concen: 0.94 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.24 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 12320
Ion Ratio Lower Upper
41 100
39 0.0 54.2 81.4#
76 0.0 29.0 43.6#

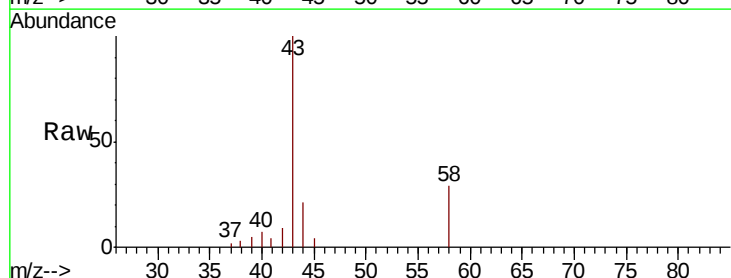


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

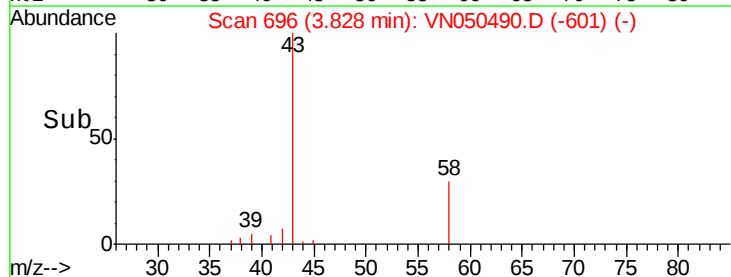
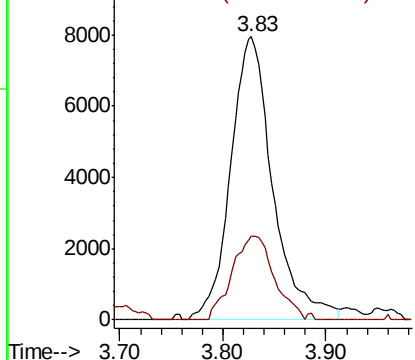


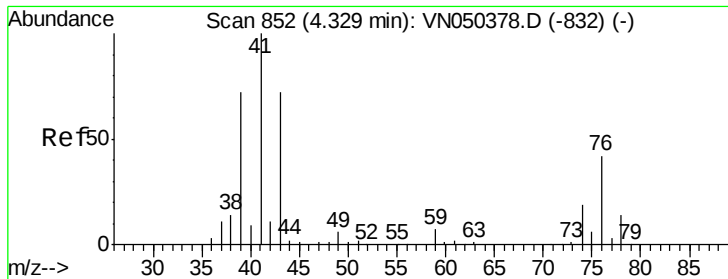
#16
Acetone
Concen: 7.18 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 43 Resp: 22642
Ion Ratio Lower Upper
43 100
58 29.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

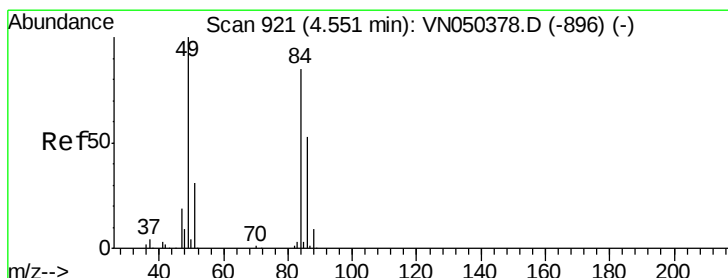
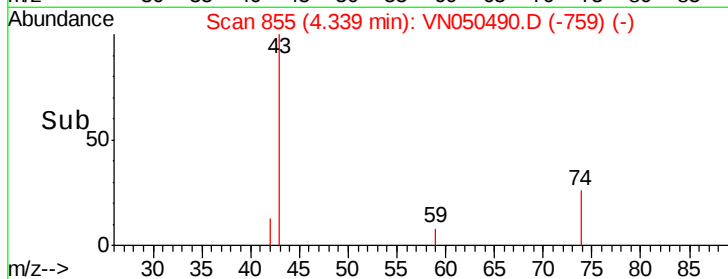
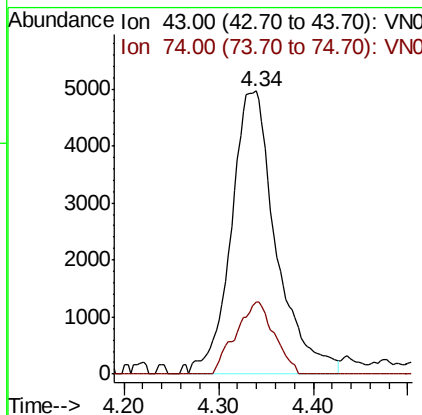
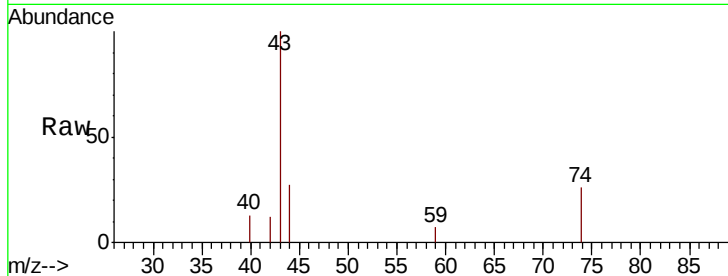




#18
Methvl Acetate
Concen: 1.91 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

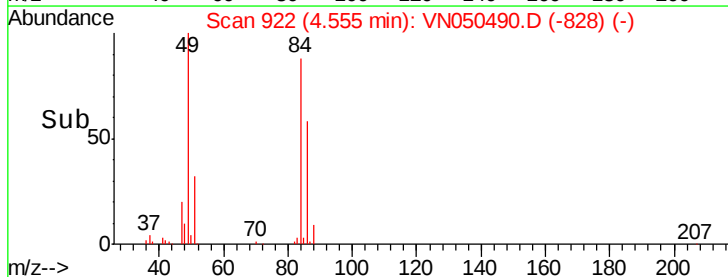
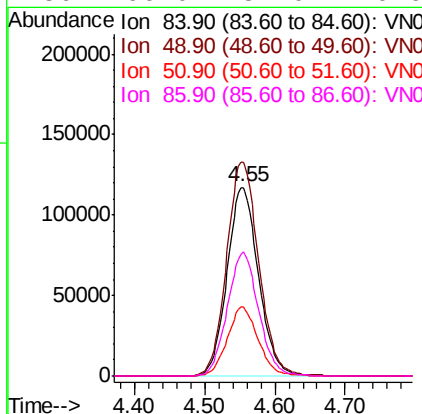
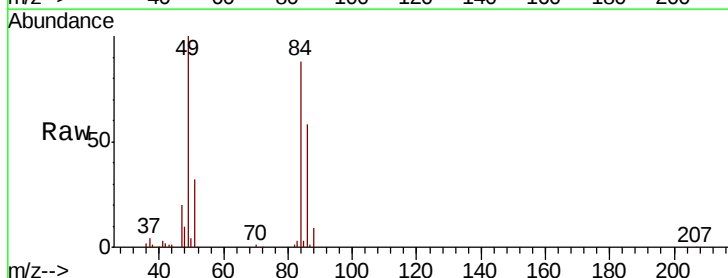
Instrument :
MSVOA_N
ClientSampled :

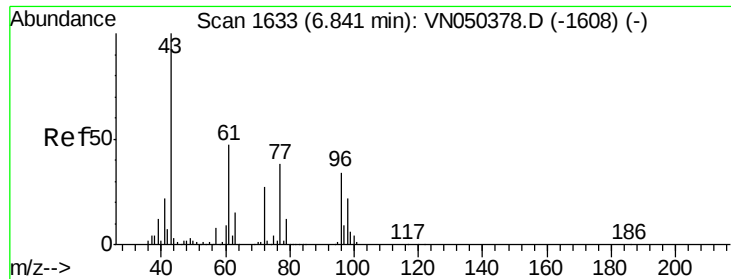
Tot Ion: 43 Resp: 16364
Ion Ratio Lower Upper
43 100
74 21.9 19.2 28.8



#20
Methylene Chloride
Concen: 39.34 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 84 Resp: 364860
Ion Ratio Lower Upper
84 100
49 113.0 94.8 142.2
51 36.5 28.3 42.5
86 66.0 51.0 76.6





#25

2-Butanone

Concen: 1.11 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

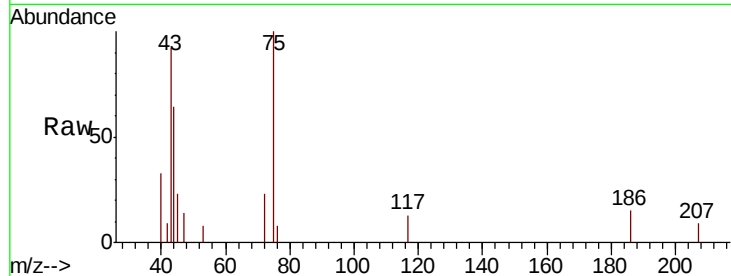
ClientSampled :

Tot Ion: 43 Resp: 5554

Ion Ratio Lower Upper

43 100

72 24.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

2000

1500

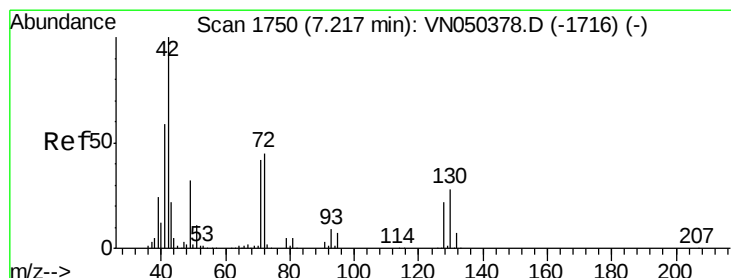
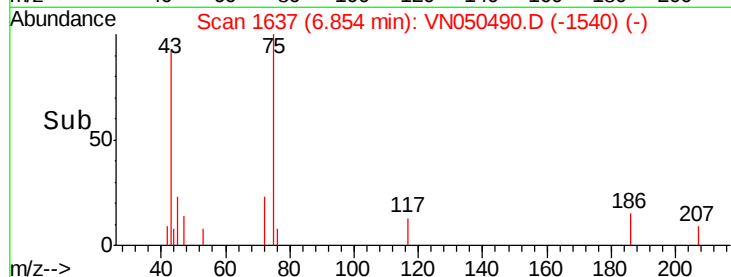
1000

500

0

6.75 6.80 6.85 6.90

Time-->



#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

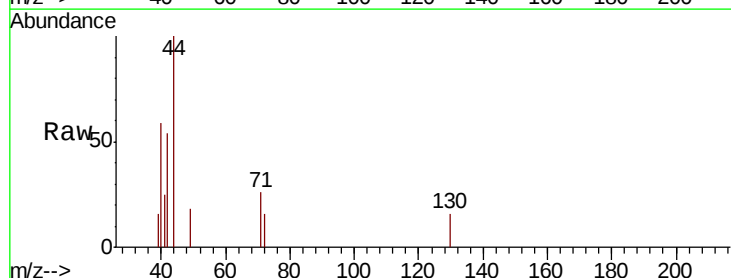
Tgt Ion: 42 Resp: 1091

Ion Ratio Lower Upper

42 100

72 8.3 35.9 53.9#

71 29.6 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.23

600

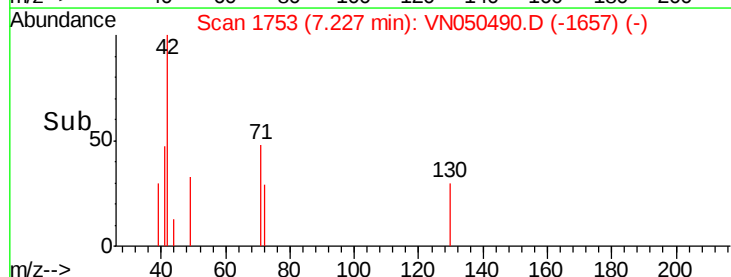
400

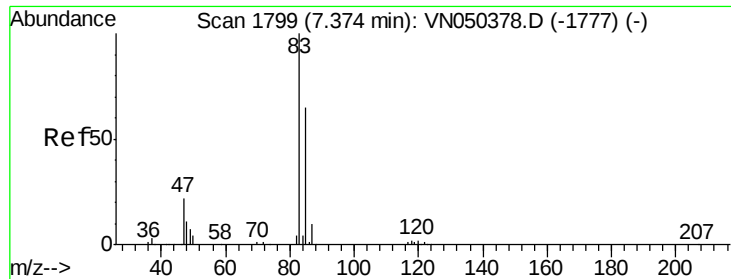
200

0

7.18 7.20 7.22 7.24 7.26

Time-->

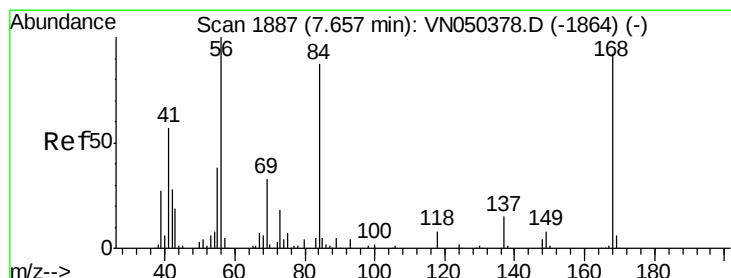
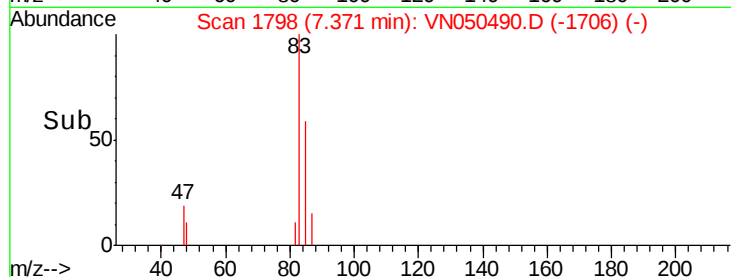
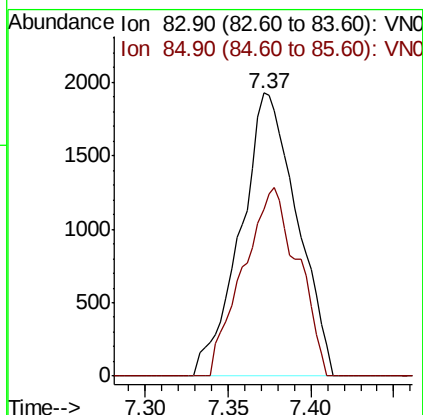
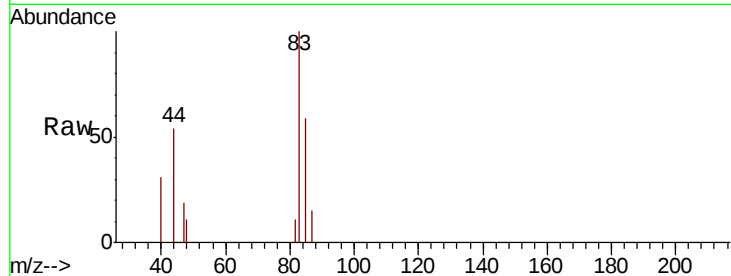




#30
Chloroform
Concen: 0.28 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

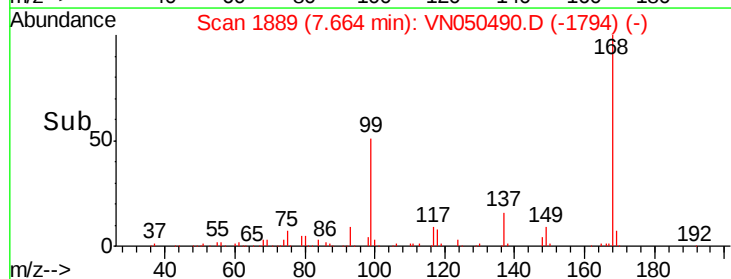
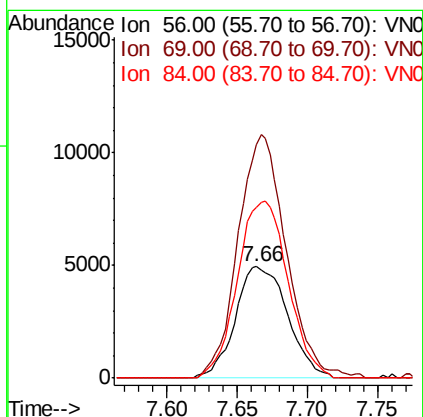
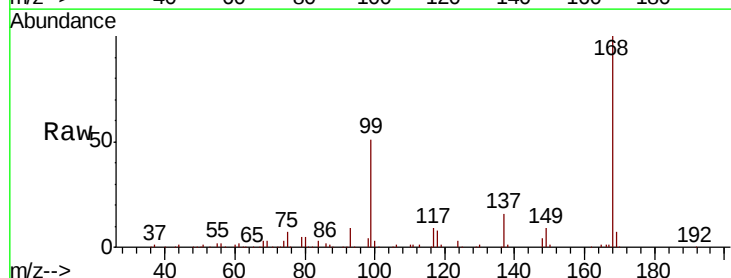
Instrument :
MSVOA_N
ClientSampled :

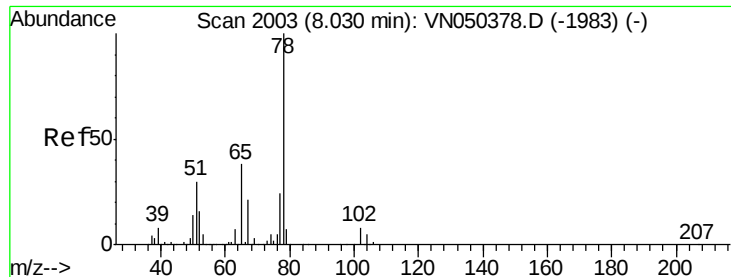
Tot Ion: 83 Resp: 4569
Ion Ratio Lower Upper
83 100
85 59.2 52.5 78.7



#31
Cyclohexane
Concen: 0.26 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 56 Resp: 12812
Ion Ratio Lower Upper
56 100
69 210.4 26.2 39.4#
84 153.6 67.4 101.0#

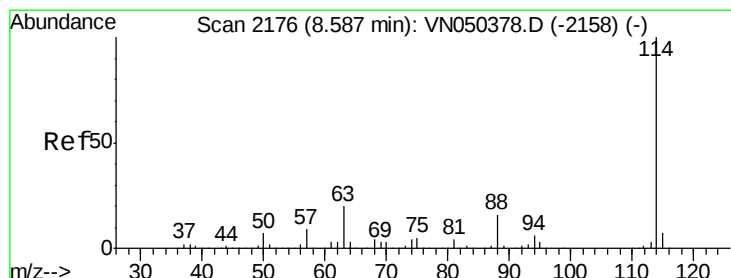
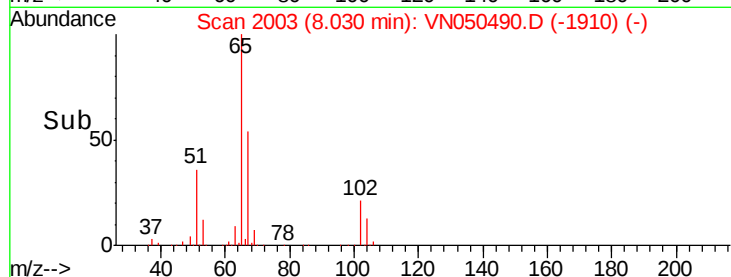
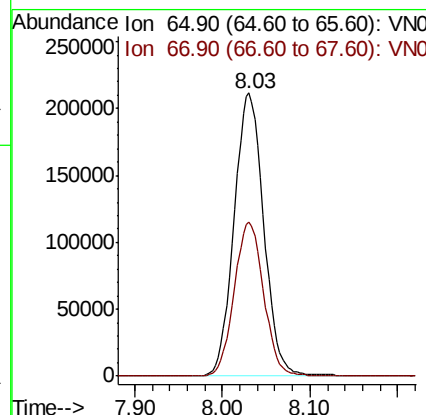
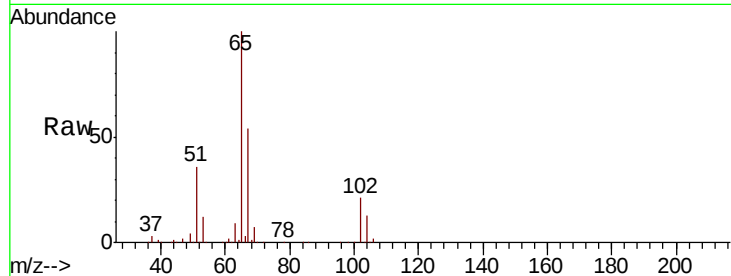




#33
 1,2-Dichloroethane-d4
 Concen: 49.51 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050490.D
 Acq: 9 Aug 2018 17:05

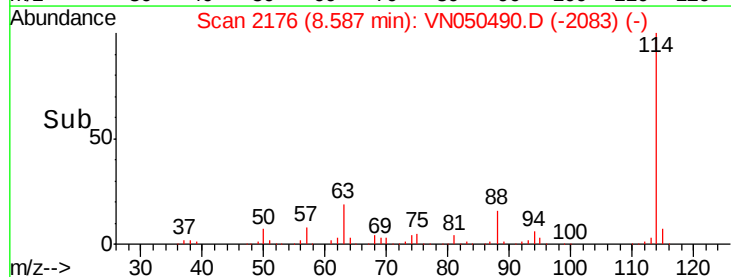
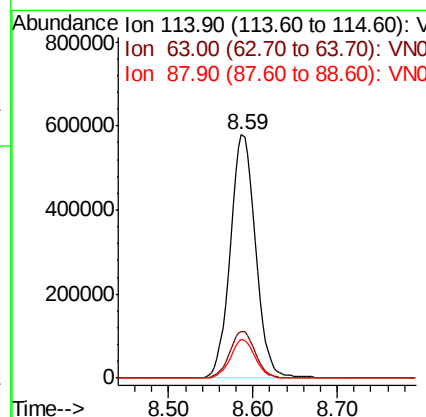
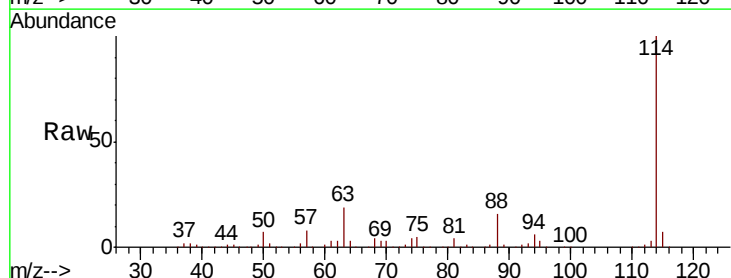
Instrument :
 MSVOA_N
 ClientSampleId :

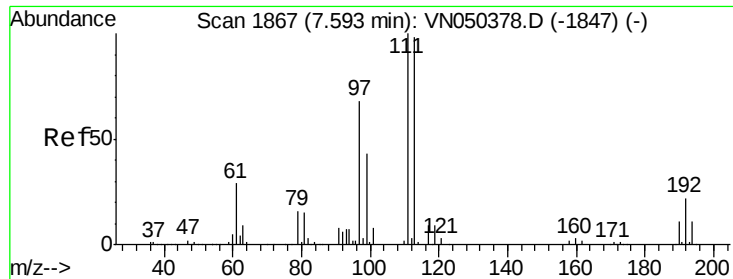
Tot Ion: 65 Resp: 499283
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050490.D
 Acq: 9 Aug 2018 17:05

Tgt Ion: 114 Resp: 1208855
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.7 0.0 31.2

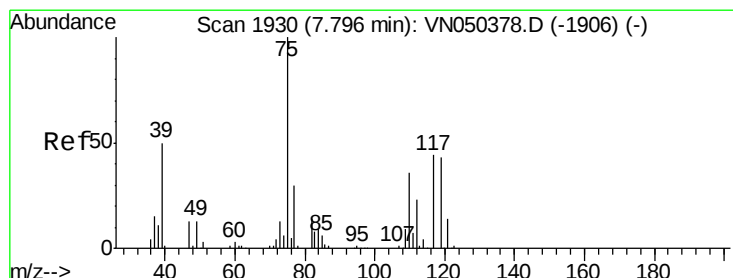
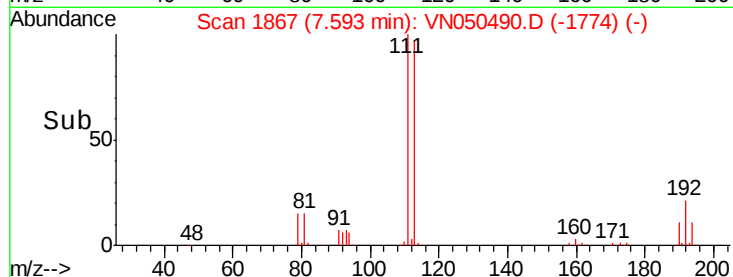
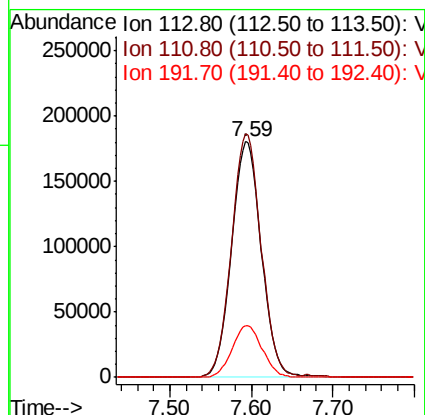
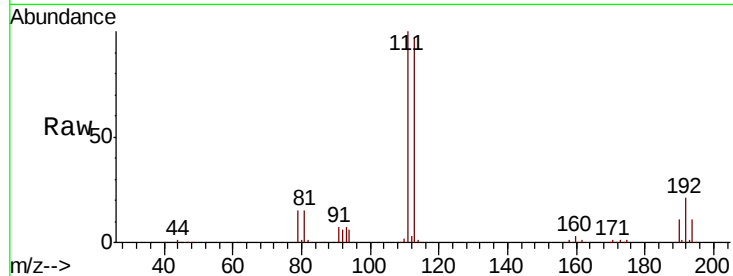




#35
 Dibromofluoromethane
 Concen: 47.52 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050490.D
 Acq: 9 Aug 2018 17:05

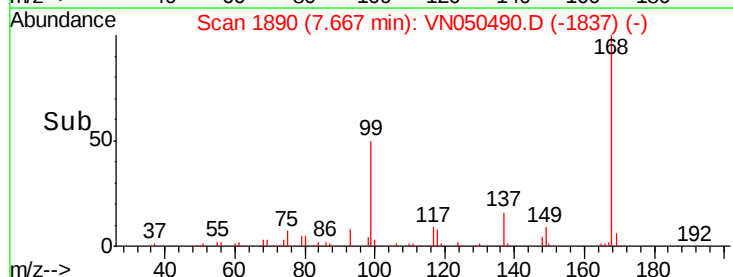
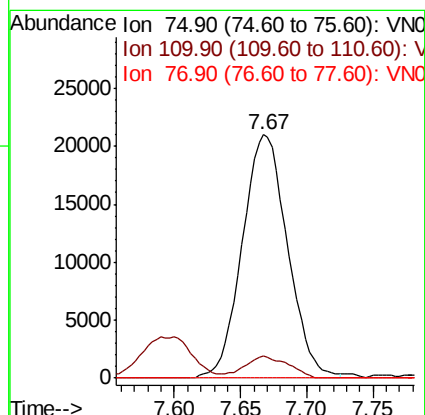
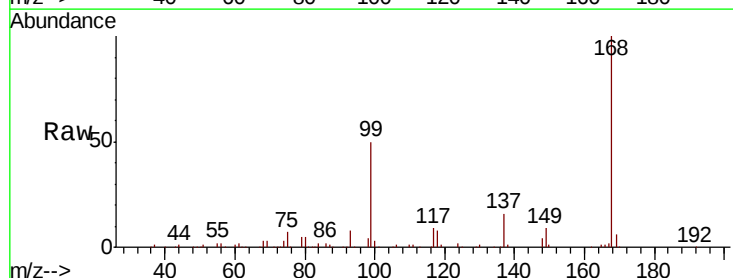
Instrument :
 MSVOA_N
 ClientSampleId :

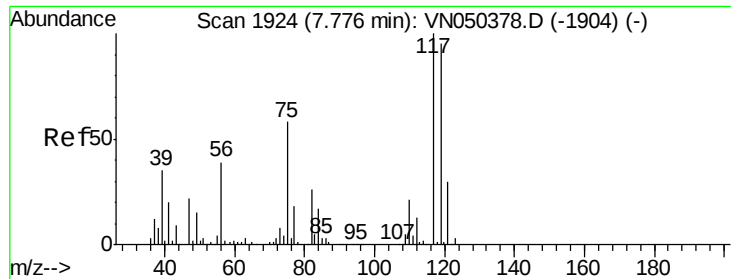
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.7	121.1
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050490.D
 Acq: 9 Aug 2018 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#

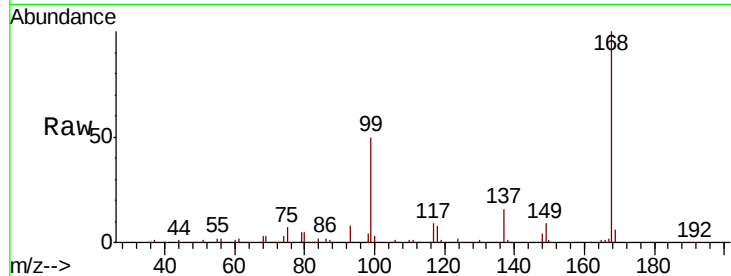




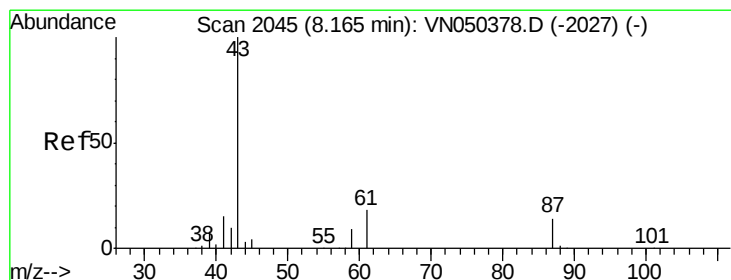
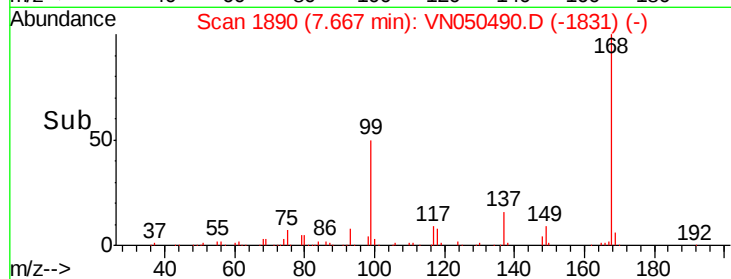
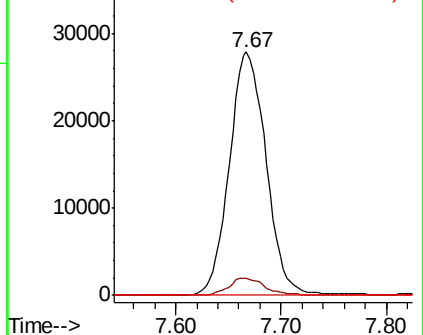
#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 67284
Ion Ratio Lower Upper
117 100
119 6.8 77.4 116.0#
121 0.0 23.9 35.9#

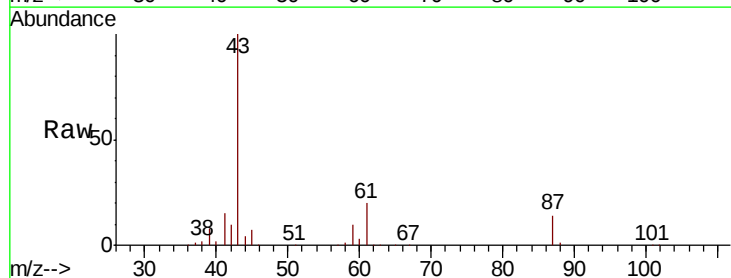


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

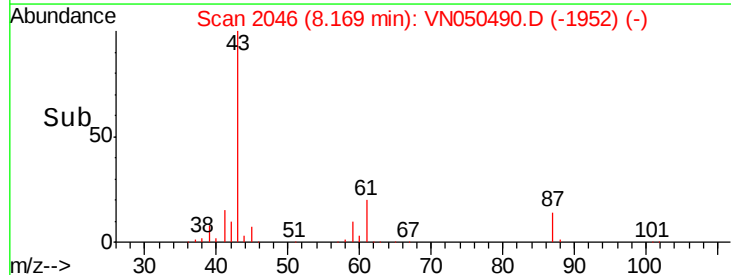
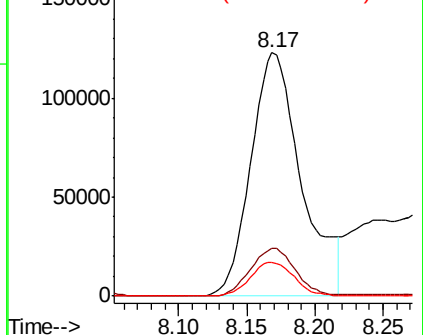


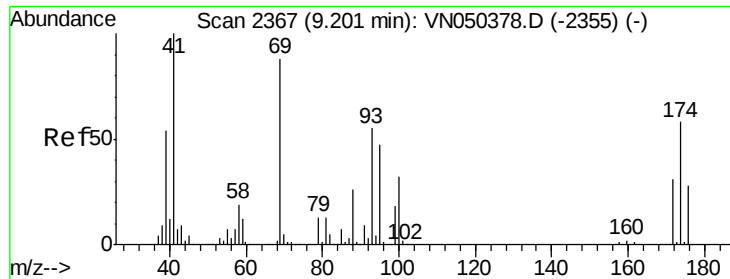
#43
Isopropyl Acetate
Concen: 19.15 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 43 Resp: 316282
Ion Ratio Lower Upper
43 100
61 17.6 15.8 23.6
87 12.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

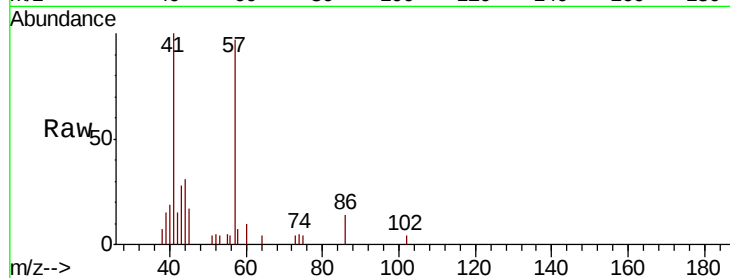




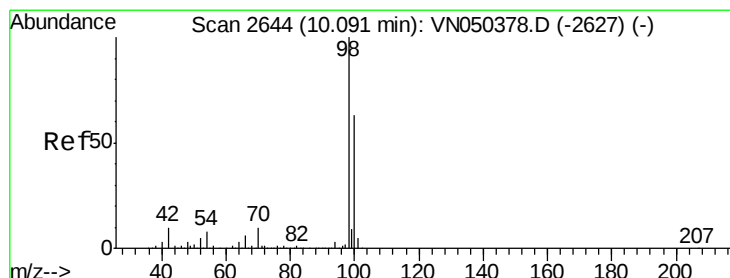
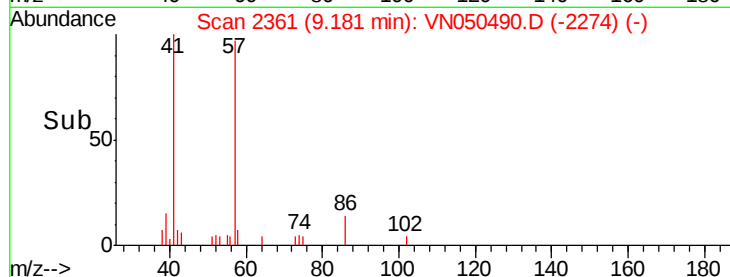
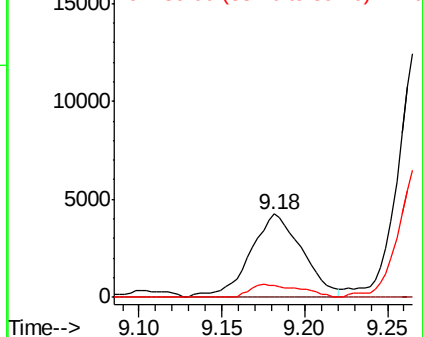
#48
Methvl methacrylate
Concen: 1.12 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 9300
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 15.0 43.9 65.9#

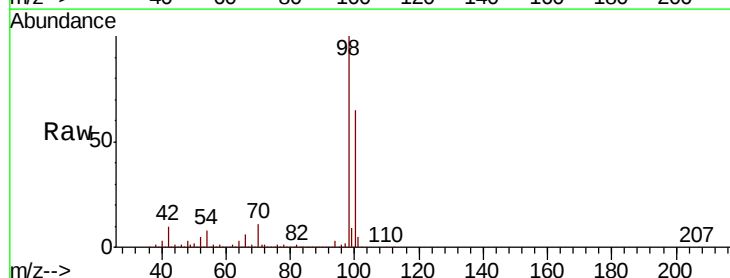


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

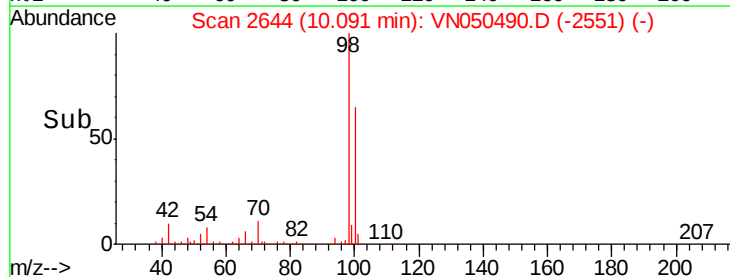
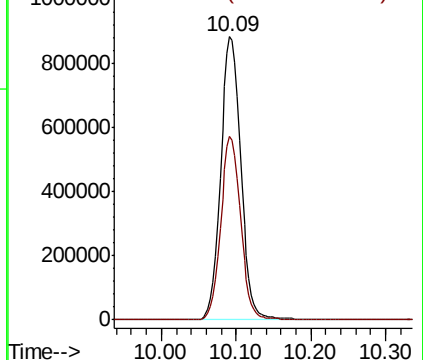


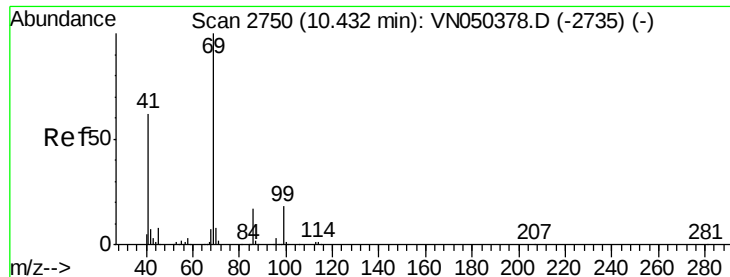
#50
Toluene-d8
Concen: 45.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 98 Resp: 1643973
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 1.75 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

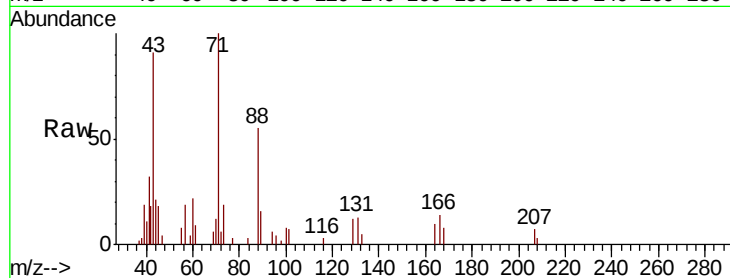
Tot Ion: 69 Resp: 625

Ion Ratio Lower Upper

69 100

41 870.4 51.0 76.4#

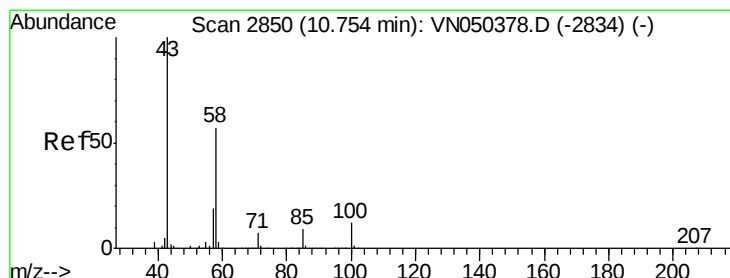
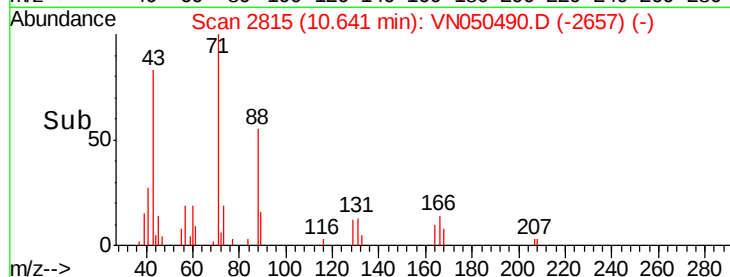
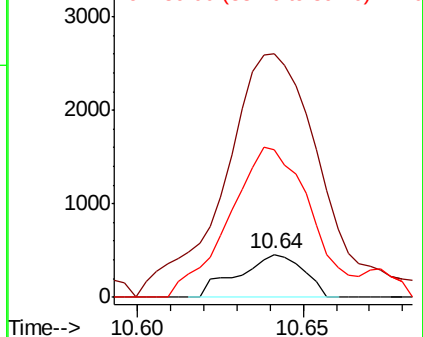
39 442.4 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 2.56 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050490.D

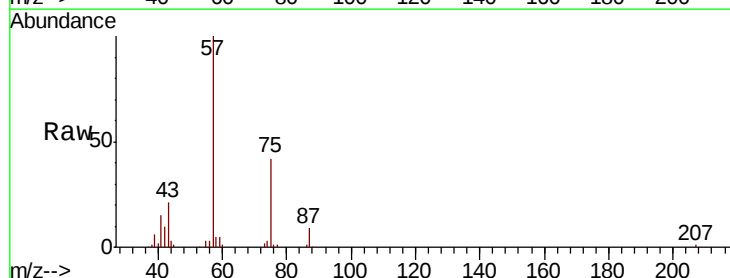
Acq: 9 Aug 2018 17:05

Tgt Ion: 43 Resp: 21280

Ion Ratio Lower Upper

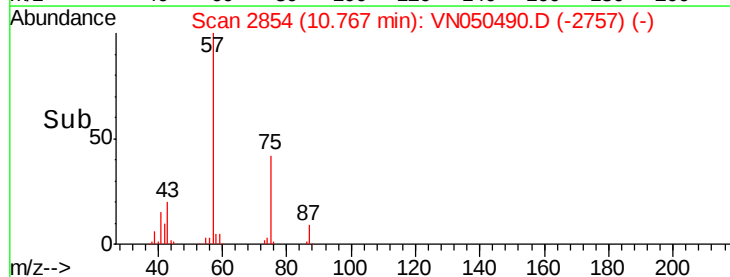
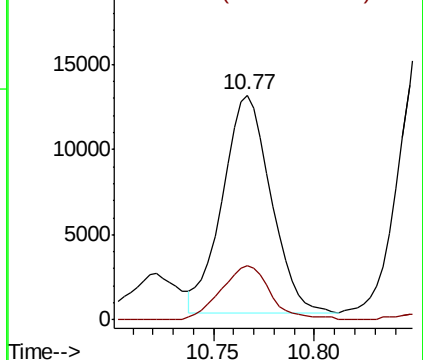
43 100

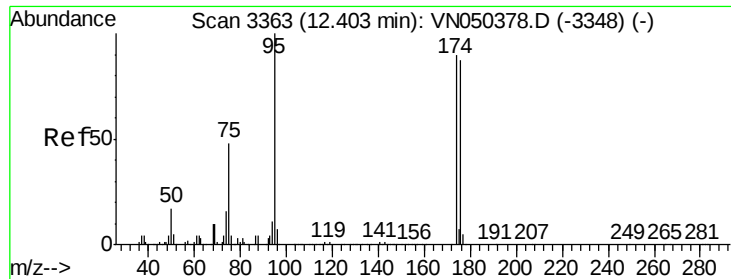
58 25.8 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

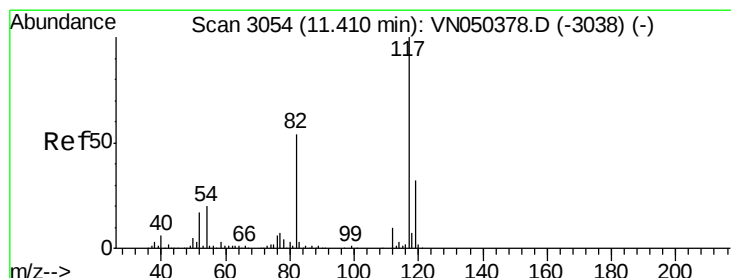
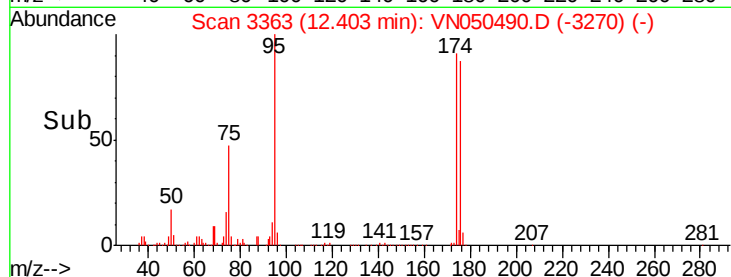
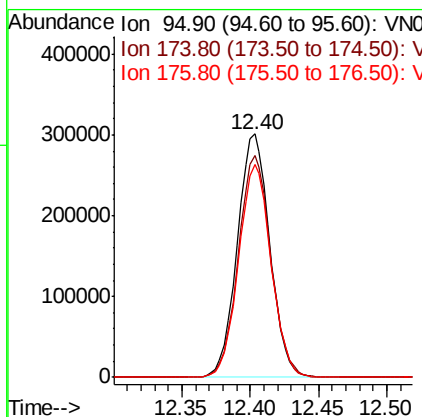
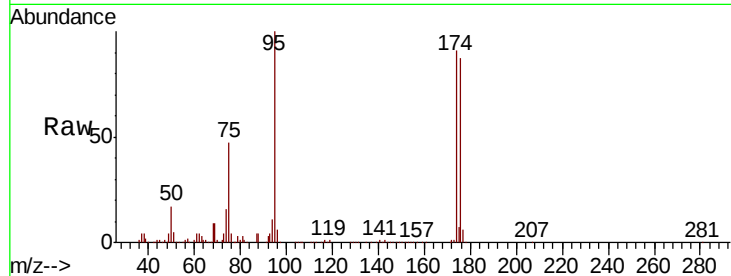




#62
4-Bromofluorobenzene
Concen: 39.95 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

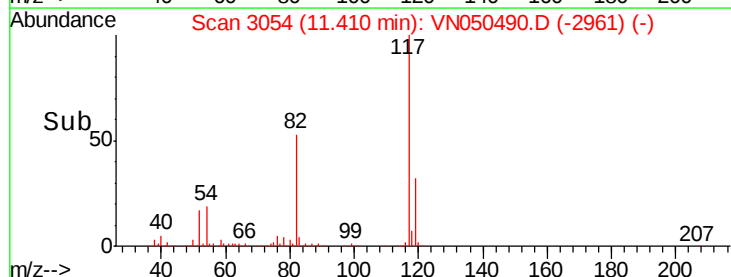
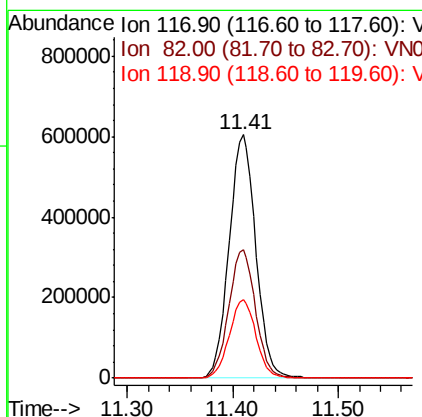
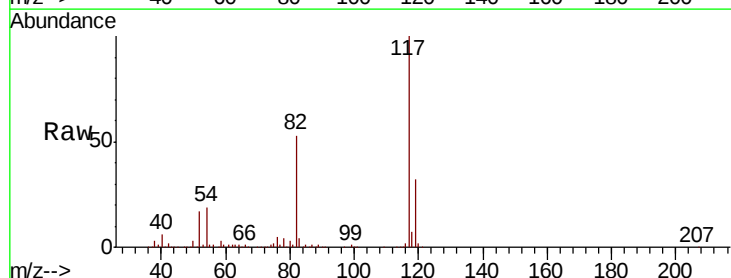
Instrument :
MSVOA_N
ClientSampled :

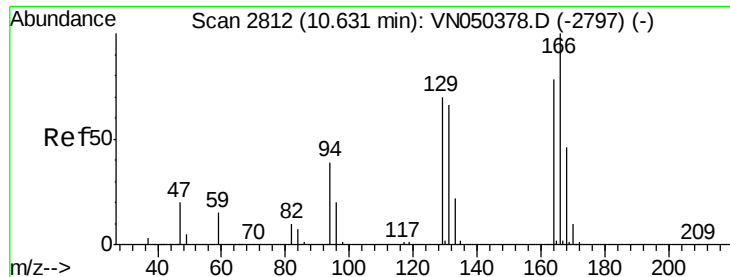
Tot Ion: 95 Resp: 496543
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 87.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050490.D
Acq: 9 Aug 2018 17:05

Tgt Ion: 117 Resp: 1056884
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 32.4 26.1 39.1





#64

Tetrachloroethene

Concen: 0.22 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 2153

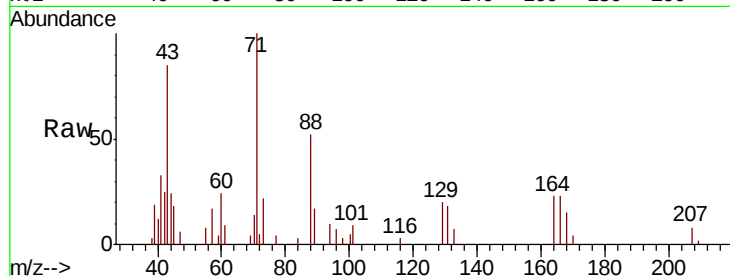
Ion Ratio Lower Upper

164 100

166 100.9 102.1 153.1#

129 89.8 73.2 109.8

131 81.7 70.6 106.0

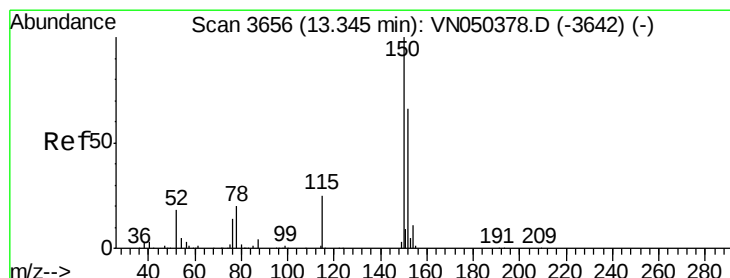
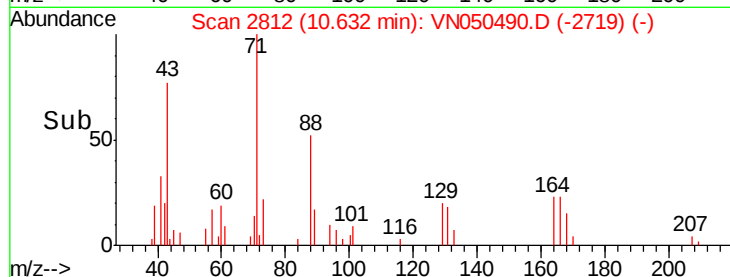
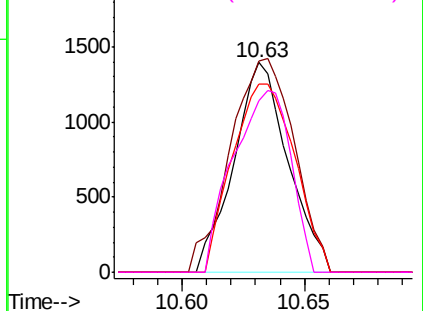


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN050490.D

Acq: 9 Aug 2018 17:05

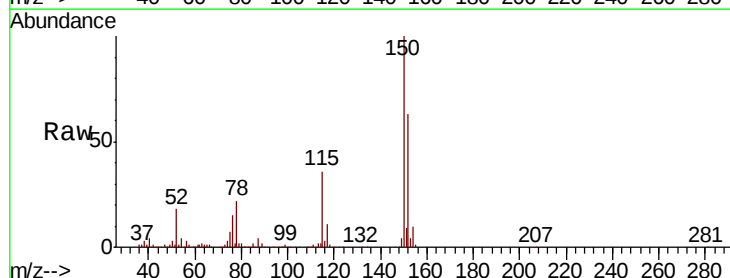
Tgt Ion:152 Resp: 436239

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

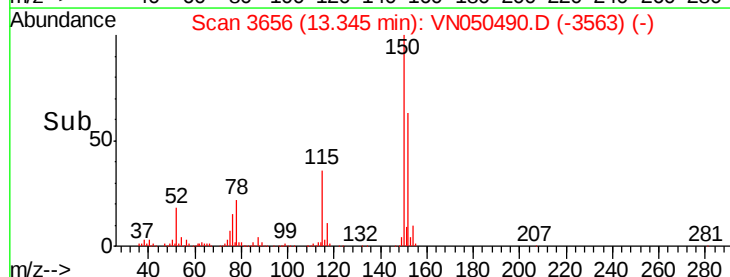
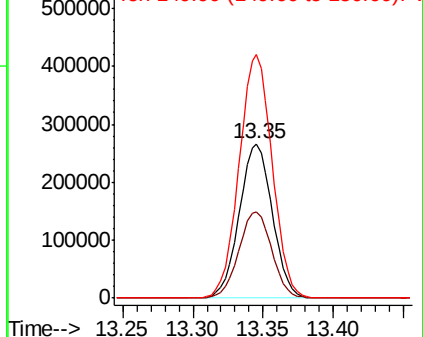
150 158.2 0.0 348.6

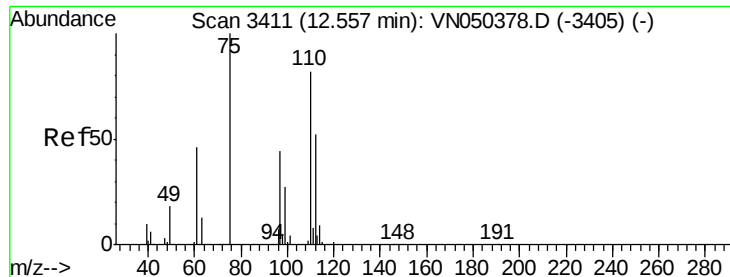


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

Instrument :

MSVOA_N

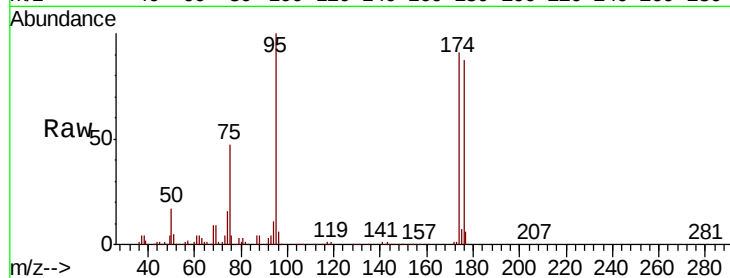
ClientSampleId :

Tot Ion: 75 Resp: 235686

Ion Ratio Lower Upper

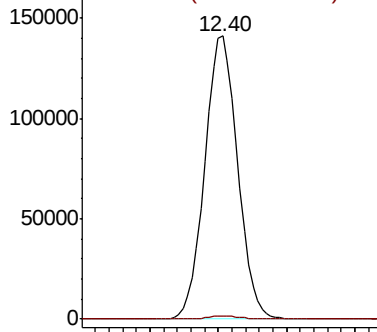
75 100

77 1.1 0.0 0.0#

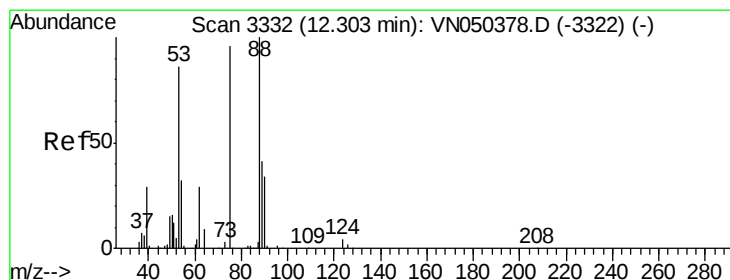
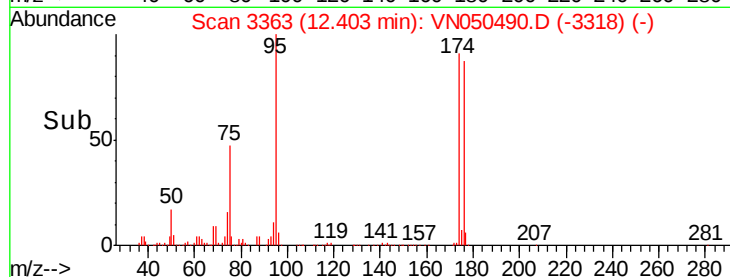


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 104.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050490.D

Acq: 9 Aug 2018 17:05

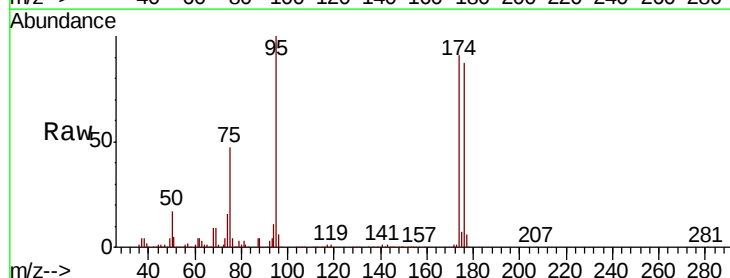
Tgt Ion: 75 Resp: 235686

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

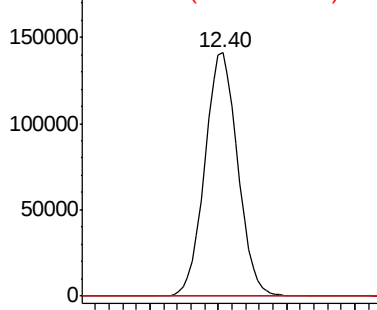
89 0.0 36.0 54.0#



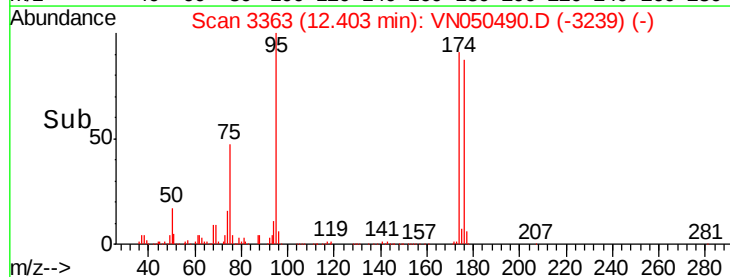
Abundance Ion 74.90 (74.60 to 75.60): VN0

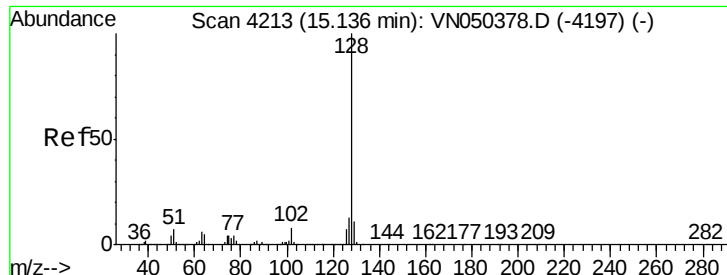
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->

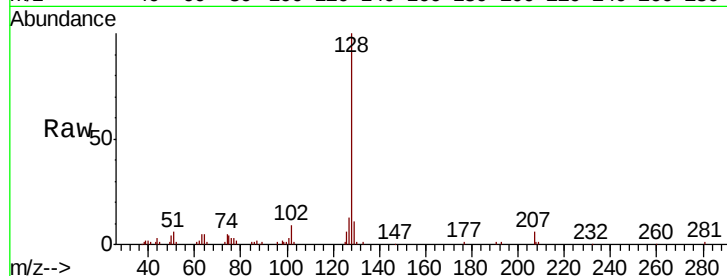




#95
 Naphthalene
 Concen: 6.70 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050490.D
 Acq: 9 Aug 2018 17:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.7	8.8	13.2



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

