

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050582.D
 Acq On : 13 Aug 2018 20:54
 Operator : MD\SY
 Sample : J4274-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-080918

Quant Time: Aug 14 01:03:39 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	631445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1037276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	898083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340709	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	435605	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	7.59	113	407276	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1428694	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	12.40	95	397901	37.31	ug/l	0.00
Spiked Amount			Recovery	=	74.62%	

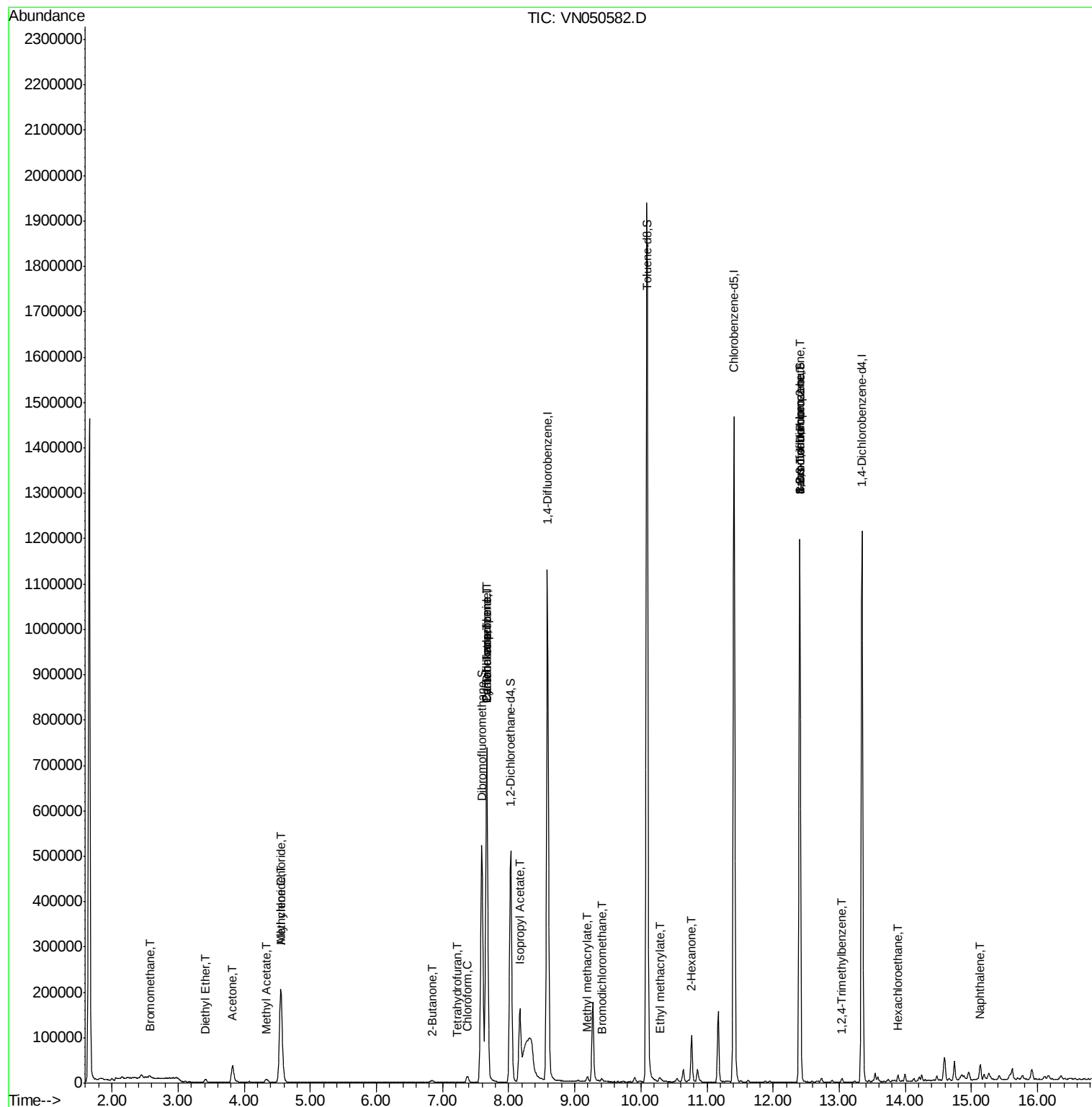
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2826	Below Cal		100
5) Bromomethane	2.57	94	3357	0.93	ug/l	97
8) Diethyl Ether	3.41	74	3368	0.78	ug/l	73
14) Allyl chloride	4.55	41	6041	0.55	ug/l #	24
16) Acetone	3.82	43	64537	25.33	ug/l	95
18) Methyl Acetate	4.34	43	15227	2.14	ug/l #	74
20) Methylene Chloride	4.55	84	161250	20.03	ug/l	98
25) 2-Butanone	6.84	43	1587	0.38	ug/l #	88
29) Tetrahydrofuran	7.22	42	592	0.26	ug/l #	44
30) Chloroform	7.38	83	16154	1.18	ug/l	97
31) Cyclohexane	7.67	56	11363	0.31	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43003	3.77	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55716	4.69	ug/l #	17
43) Isopropyl Acetate	8.17	43	205329	14.49	ug/l	97
47) Bromodichloromethane	9.40	83	3773	0.32	ug/l	97
48) Methyl methacrylate	9.18	41	6598	0.93	ug/l #	21
56) Ethyl methacrylate	10.30	69	101	1.72	ug/l #	26
59) 2-Hexanone	10.77	43	14595	2.05	ug/l #	58
71) Bromoform	12.40	173	1452	0.24	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	191620	31.07	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191620	109.17	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	4692	0.22	ug/l	95
90) Hexachloroethane	13.89	117	957	0.26	ug/l #	4
95) Naphthalene	15.13	128	28795	5.24	ug/l	98

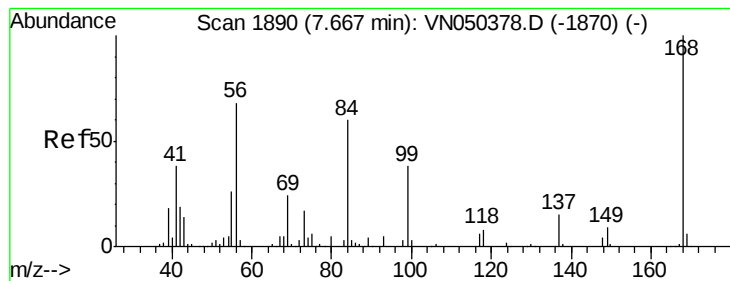
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050582.D

Acq: 13 Aug 2018 20:54

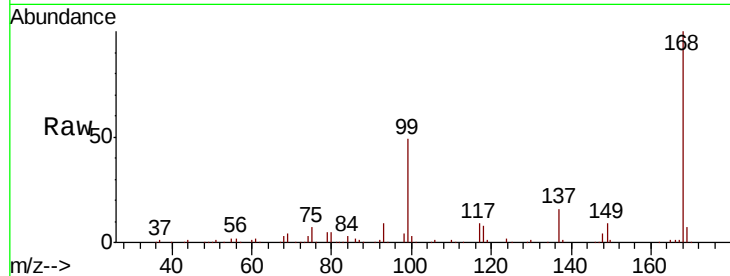
Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

Tot Ion:168 Resp: 631445

Ion Ratio Lower Upper

168 100

99 48.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

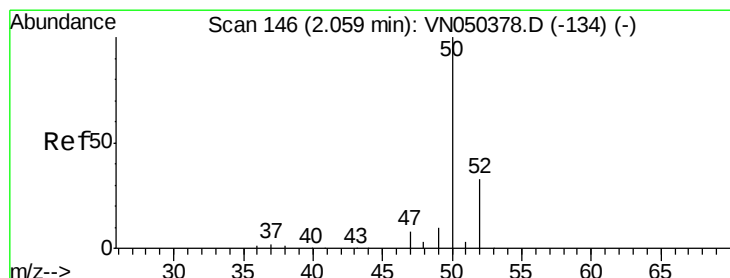
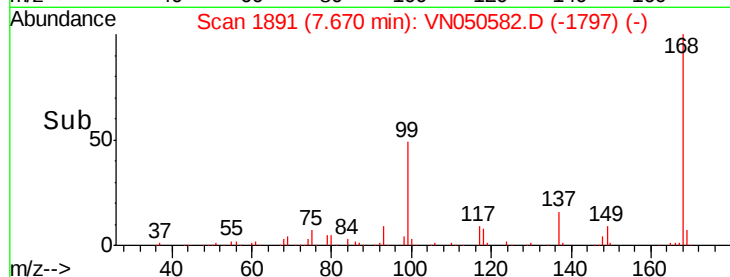
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050582.D

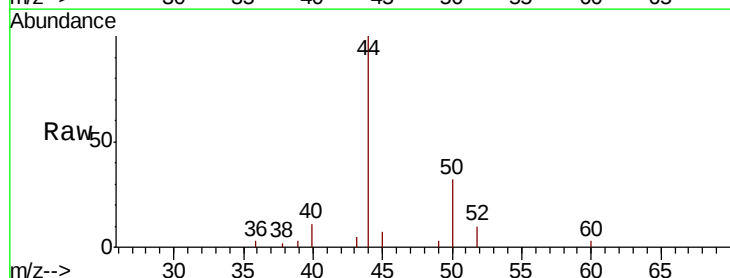
Acq: 13 Aug 2018 20:54

Tgt Ion: 50 Resp: 2826

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

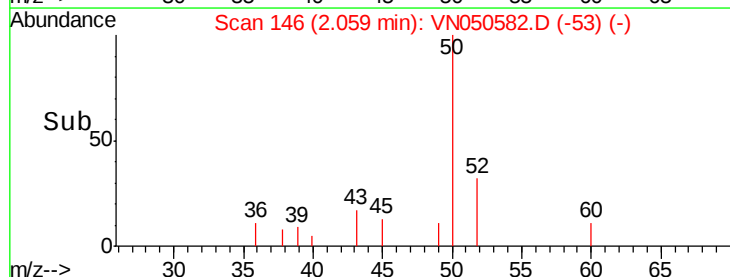
1500

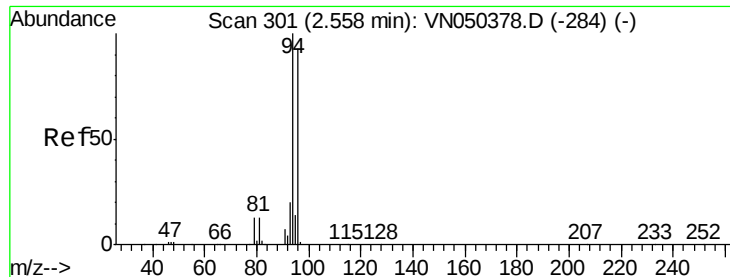
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

Instrument :

MSVOA_N

ClientSampleId :

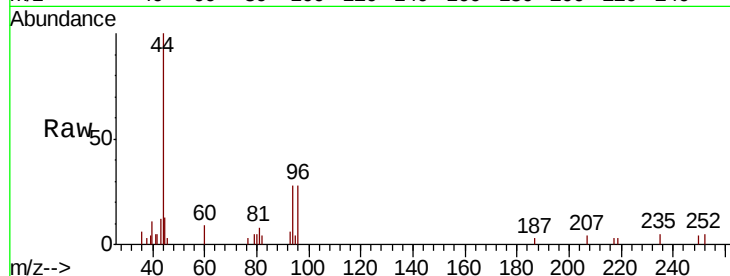
HD-01-080918

Tot Ion: 94 Resp: 3357

Ion Ratio Lower Upper

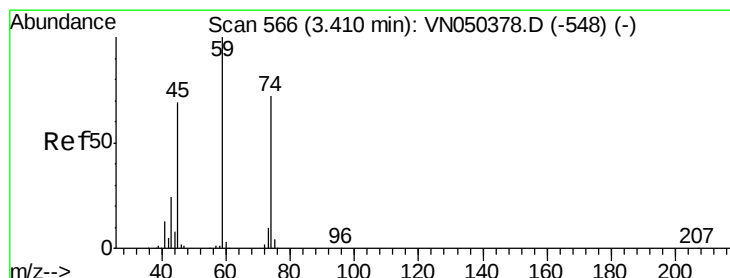
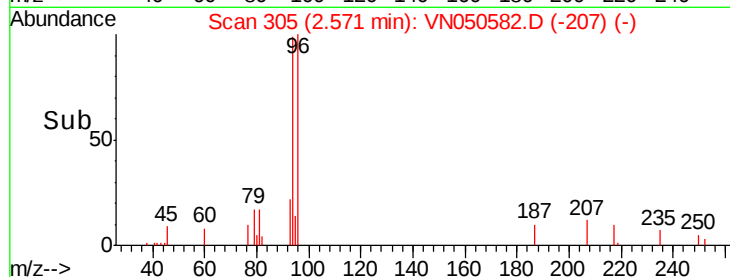
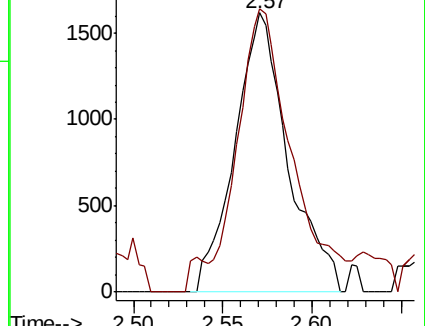
94 100

96 90.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050582.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050582.D (-284) (-)



#8

Diethyl Ether

Concen: 0.78 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050582.D

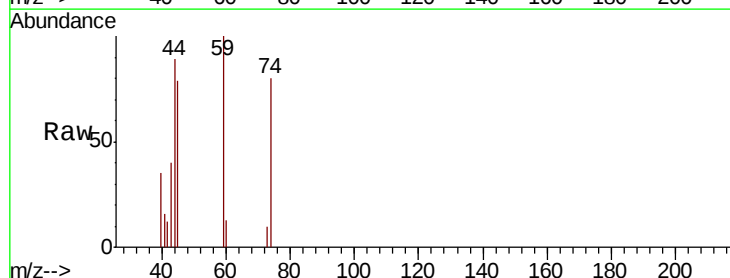
Acq: 13 Aug 2018 20:54

Tgt Ion: 74 Resp: 3368

Ion Ratio Lower Upper

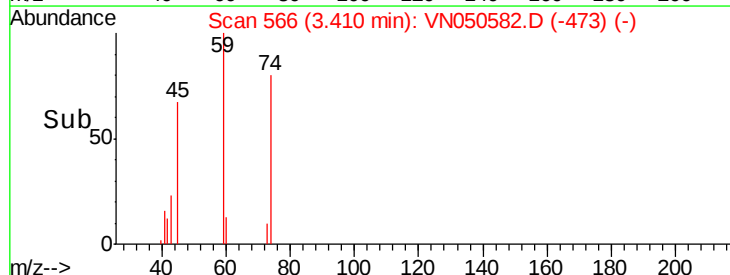
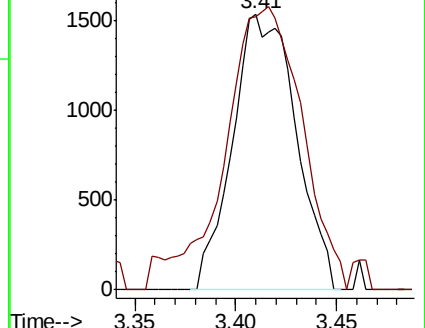
74 100

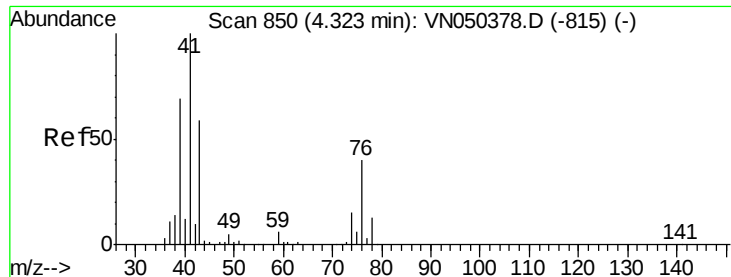
45 121.9 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN050582.D (-548) (-)

Ion 45.00 (44.70 to 45.70): VN050582.D (-548) (-)

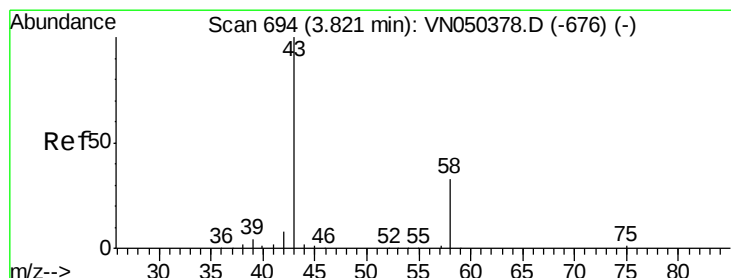
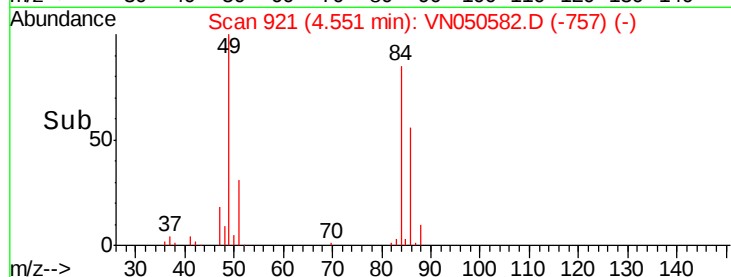
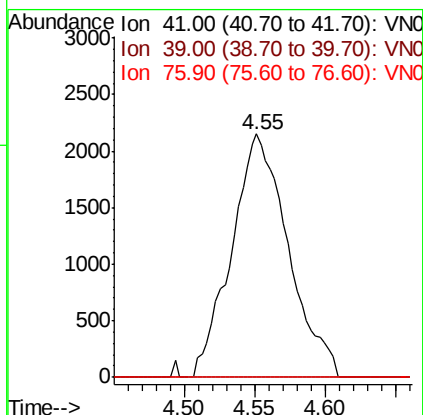
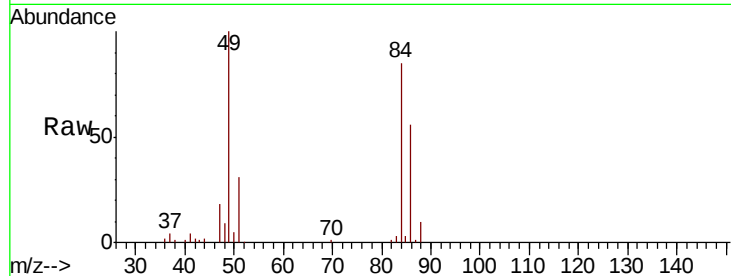




#14
Allvl chloride
Concen: 0.55 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

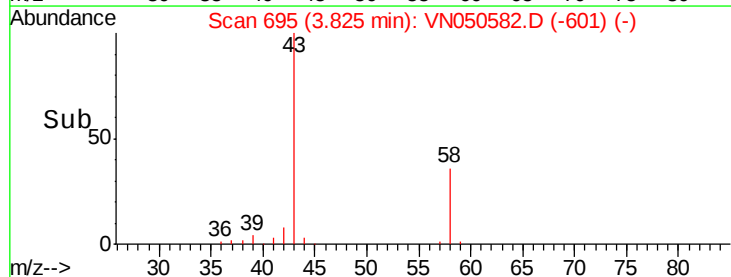
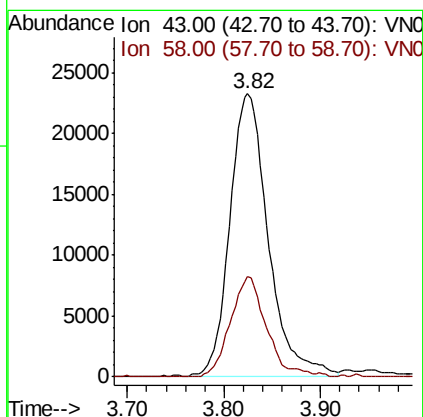
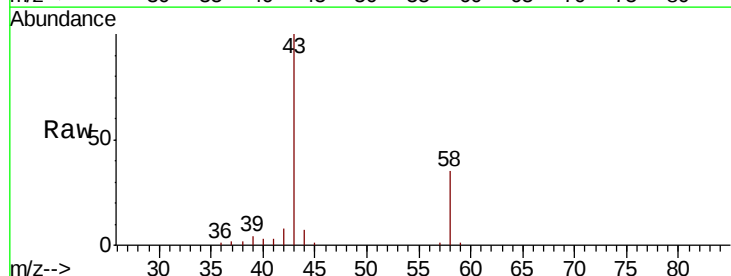
Instrument :
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ClientSampleId :
HD-01-080918

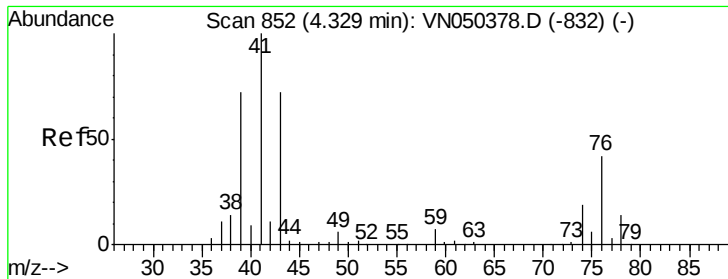
Tot Ion: 41 Resp: 6041
Ion Ratio Lower Upper
41 100
39 0.0 54.2 81.4#
76 0.0 29.0 43.6#



#16
Acetone
Concen: 25.33 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 43 Resp: 64537
Ion Ratio Lower Upper
43 100
58 35.2 25.8 38.8

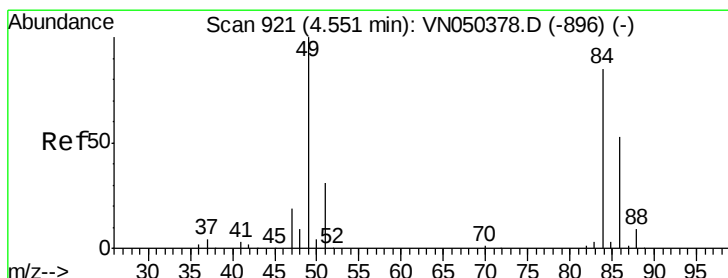
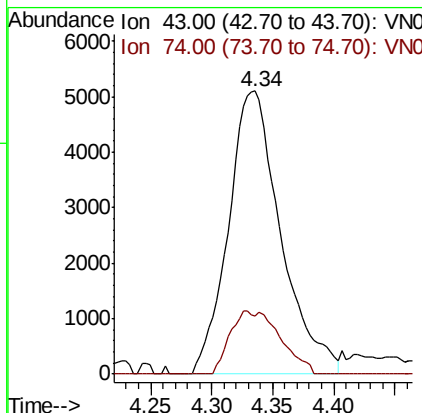
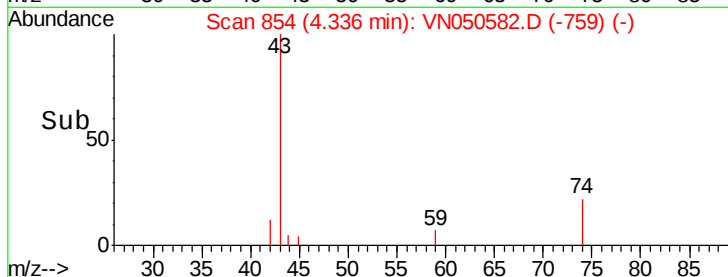
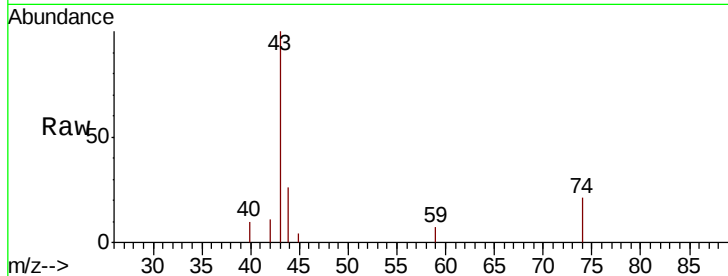




#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

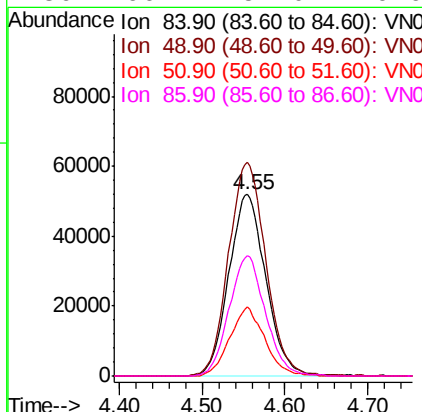
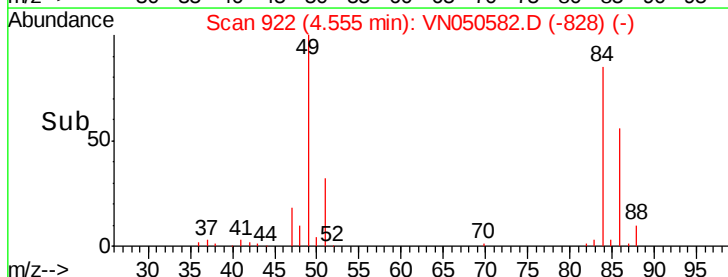
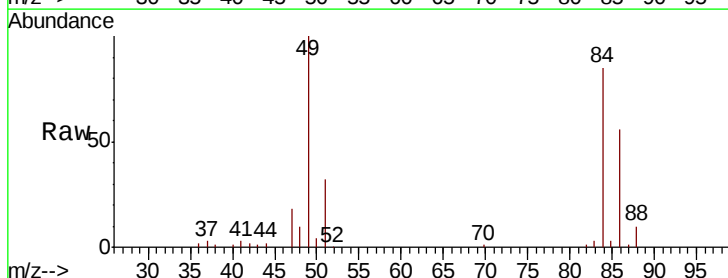
Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

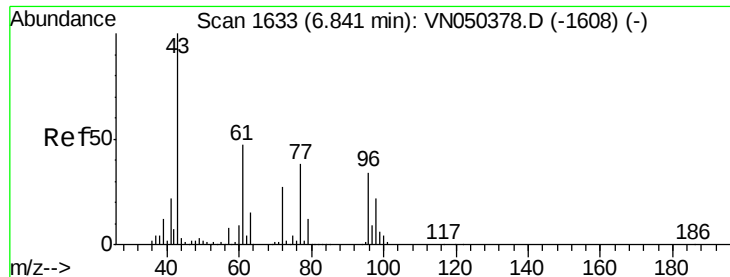
Tot Ion: 43 Resp: 15227
Ion Ratio Lower Upper
43 100
74 11.0 19.2 28.8#



#20
Methylene Chloride
Concen: 20.03 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 84 Resp: 161250
Ion Ratio Lower Upper
84 100
49 117.8 94.8 142.2
51 37.8 28.3 42.5
86 66.4 51.0 76.6





#25

2-Butanone

Concen: 0.38 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

Instrument :

MSVOA_N

ClientSampleId :

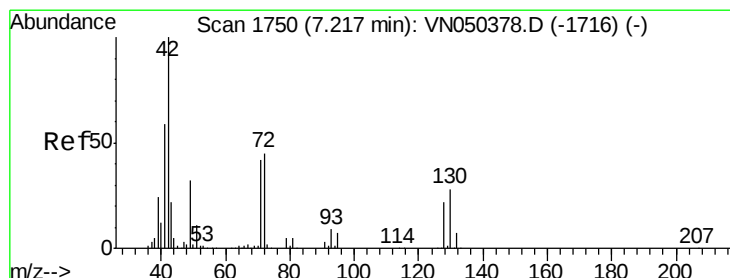
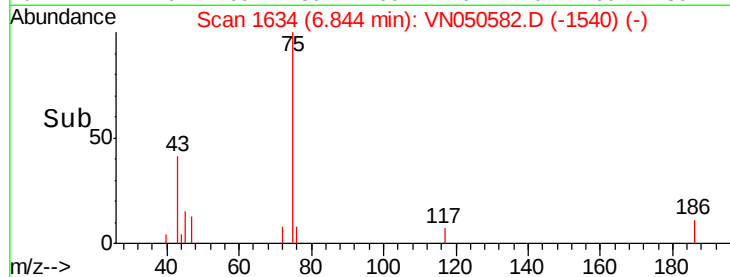
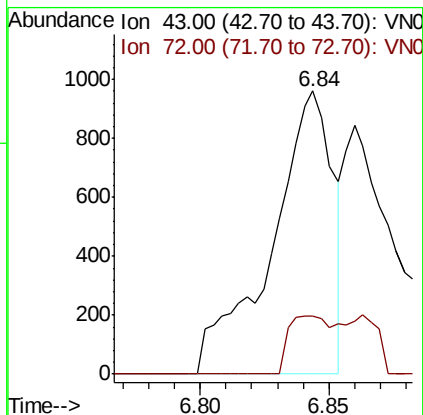
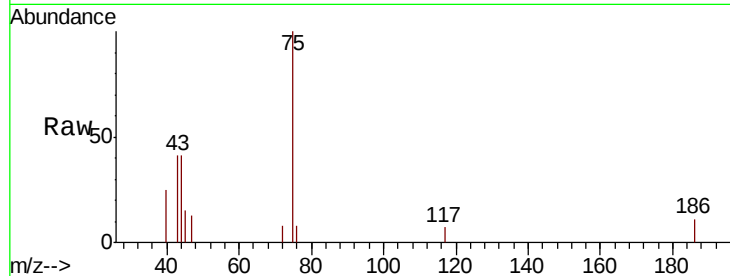
HD-01-080918

Tot Ion: 43 Resp: 1587

Ion Ratio Lower Upper

43 100

72 20.7 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

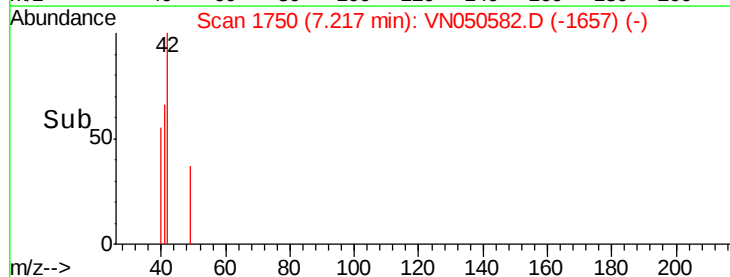
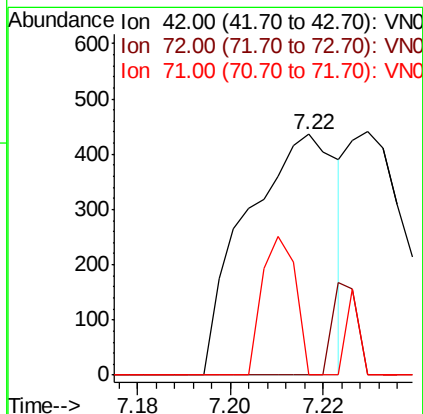
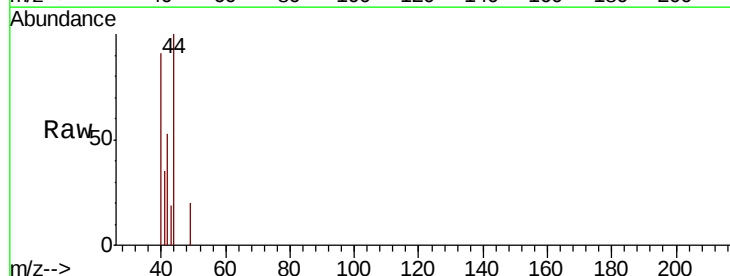
Tgt Ion: 42 Resp: 592

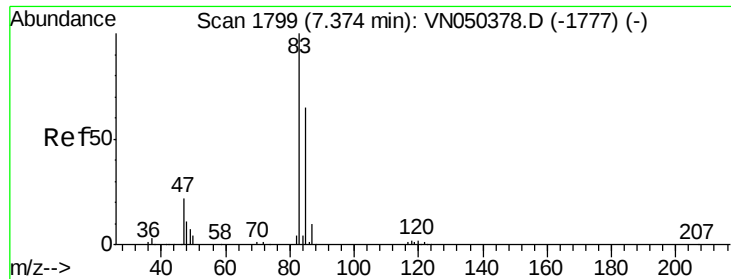
Ion Ratio Lower Upper

42 100

72 10.5 35.9 53.9#

71 5.1 33.7 50.5#

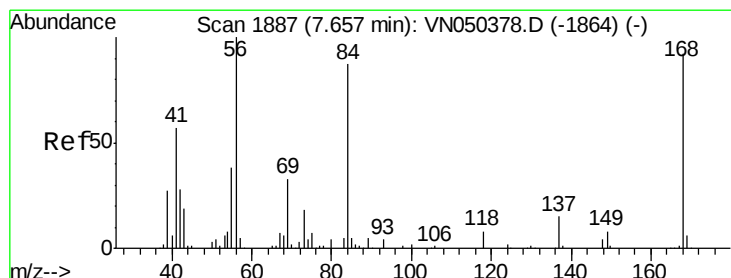
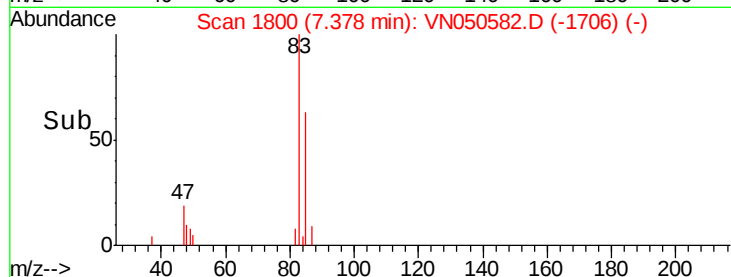
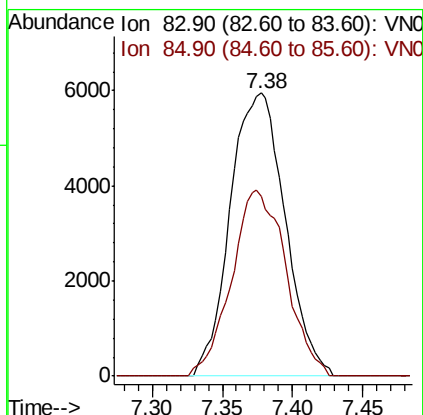
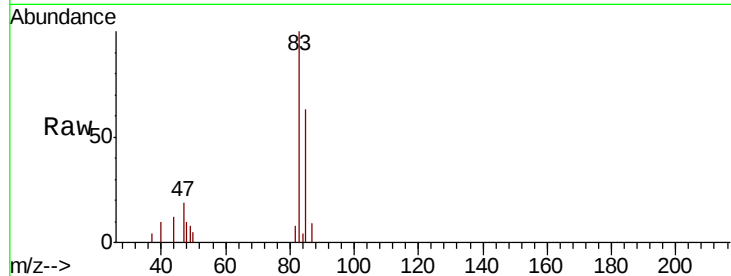




#30
Chloroform
Concen: 1.18 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

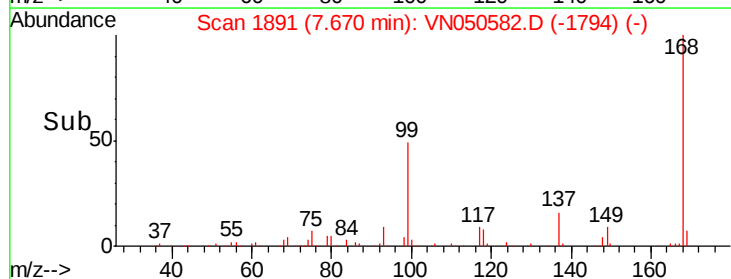
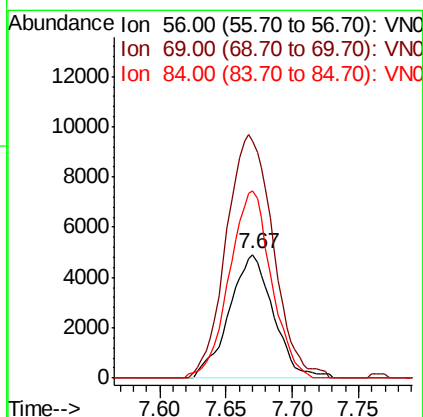
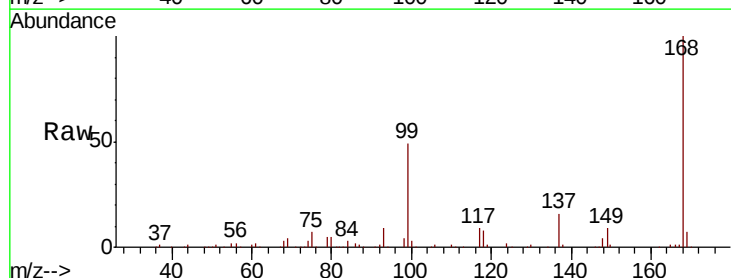
Instrument :
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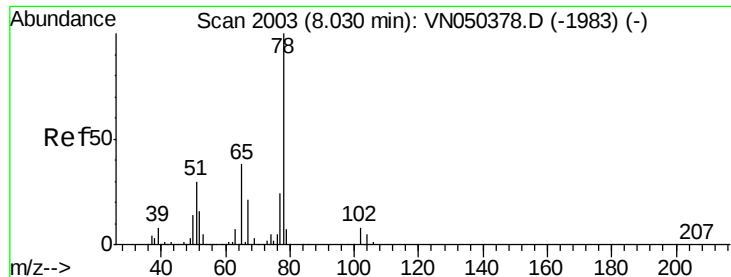
Tot Ion: 83 Resp: 16154
Ion Ratio Lower Upper
83 100
85 63.4 52.5 78.7



#31
Cyclohexane
Concen: 0.31 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 56 Resp: 11363
Ion Ratio Lower Upper
56 100
69 192.9 26.2 39.4#
84 152.4 67.4 101.0#

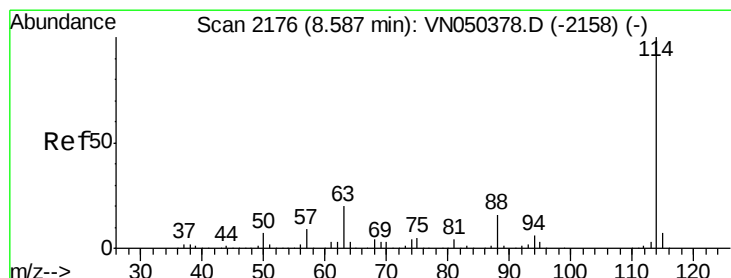
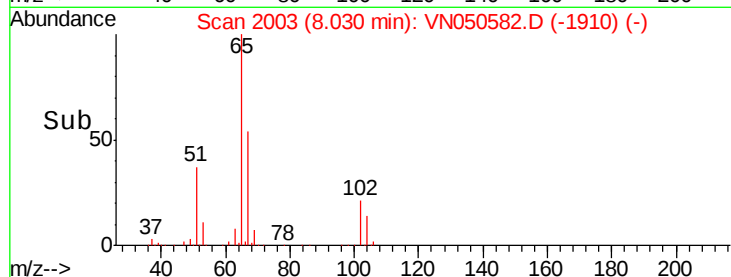
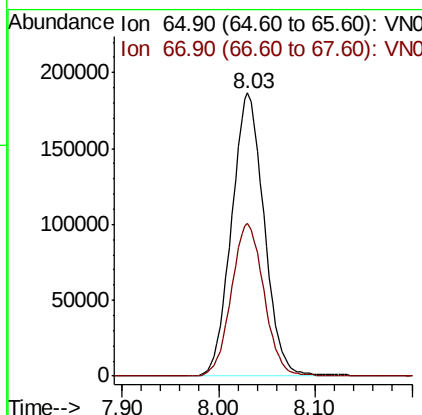
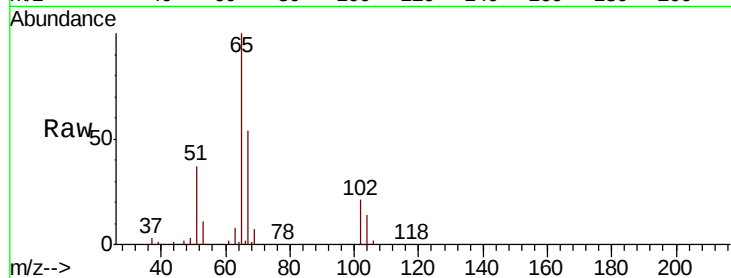




#33
 1,2-Dichloroethane-d4
 Concen: 51.63 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050582.D
 Acq: 13 Aug 2018 20:54

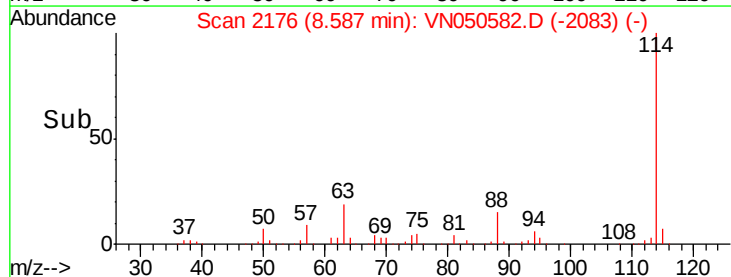
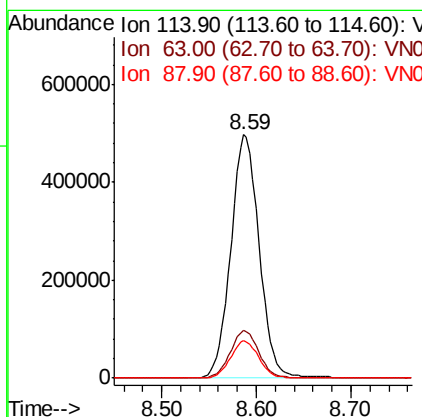
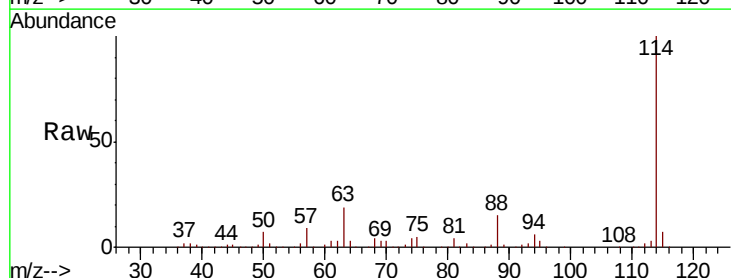
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-080918

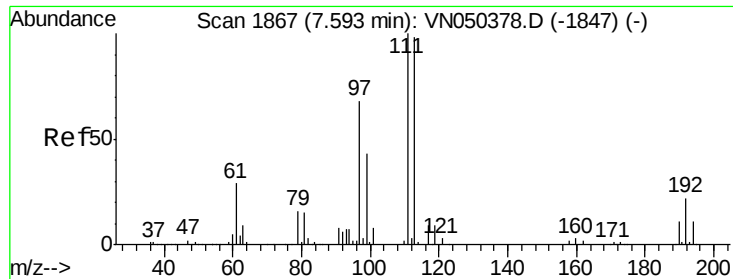
Tot Ion: 65 Resp: 435605
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050582.D
 Acq: 13 Aug 2018 20:54

Tgt Ion: 114 Resp: 1037276
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.4 0.0 31.2

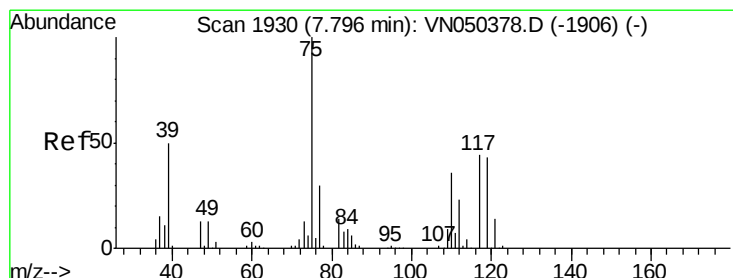
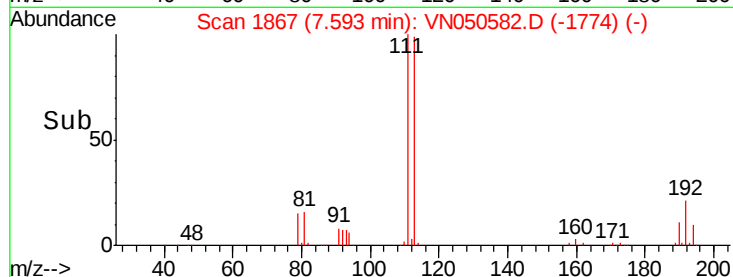
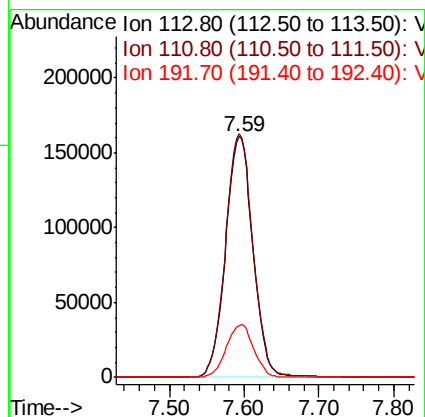
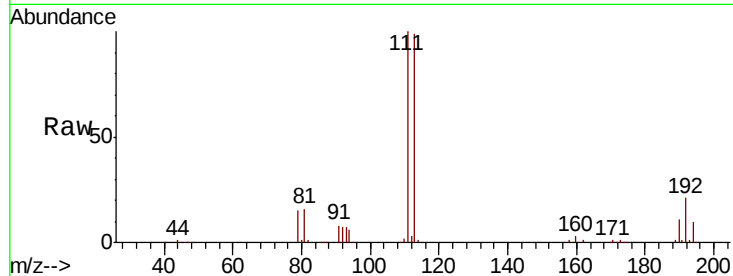




#35
 Dibromofluoromethane
 Concen: 48.93 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050582.D
 Acq: 13 Aug 2018 20:54

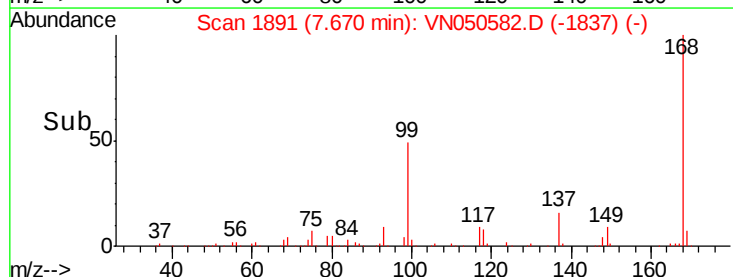
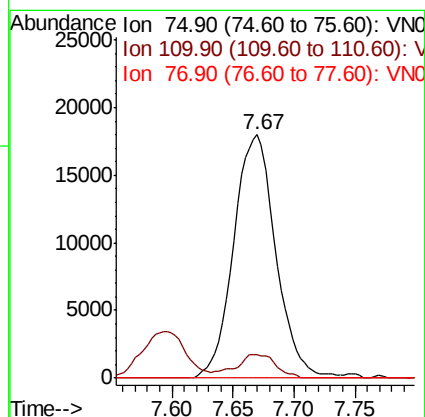
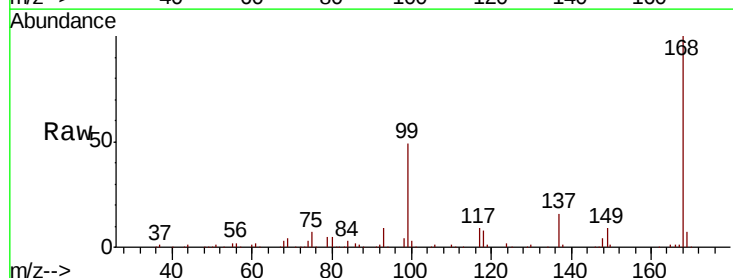
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-080918

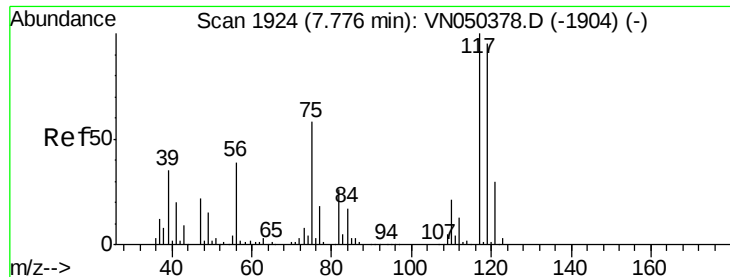
Tot Ion:113 Resp: 407276
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050582.D
 Acq: 13 Aug 2018 20:54

Tgt Ion: 75 Resp: 43003
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.4 55.2#
 77 0.0 25.3 37.9#

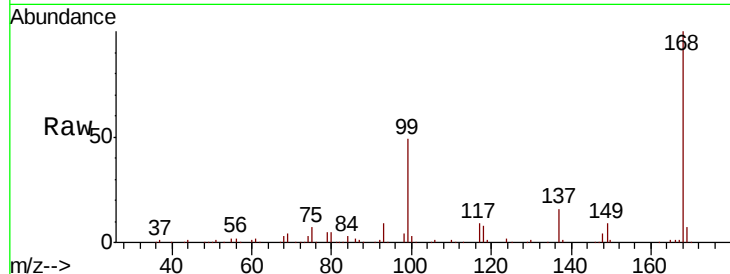




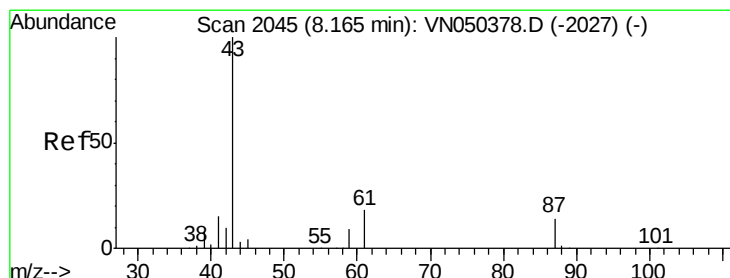
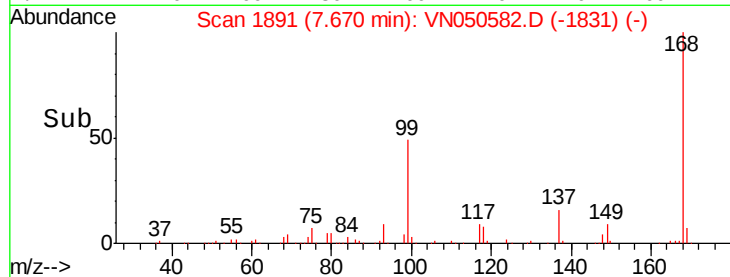
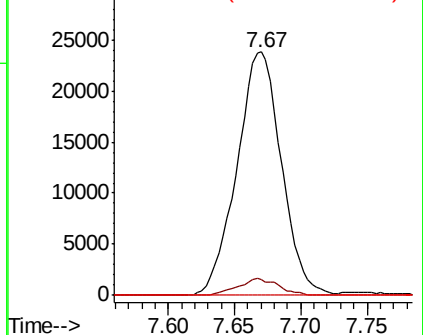
#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

Tot Ion:117 Resp: 55716
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 23.9 35.9#

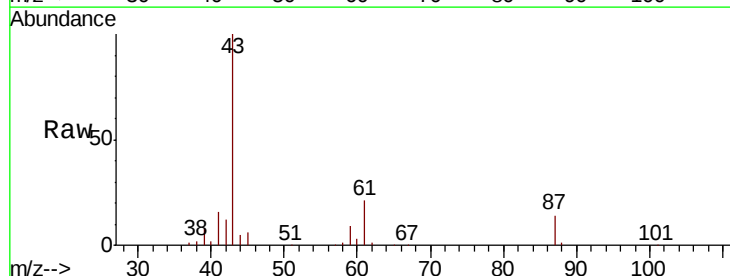


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

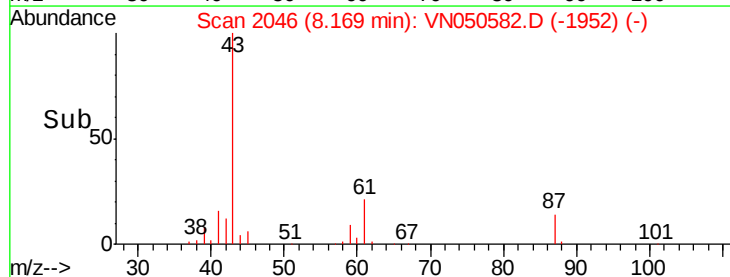
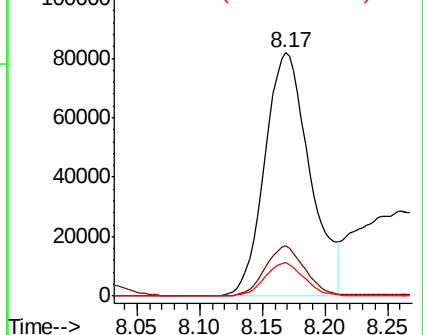


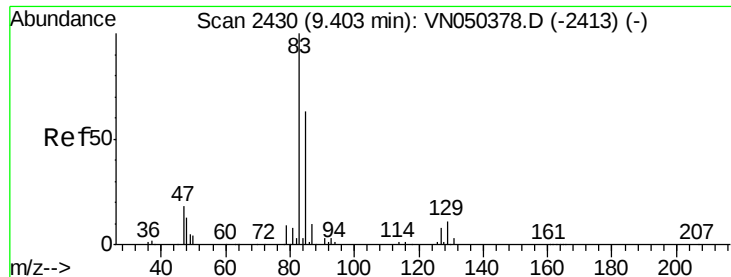
#43
Isopropyl Acetate
Concen: 14.49 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 43 Resp: 205329
Ion Ratio Lower Upper
43 100
61 18.1 15.8 23.6
87 12.0 10.3 15.5



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

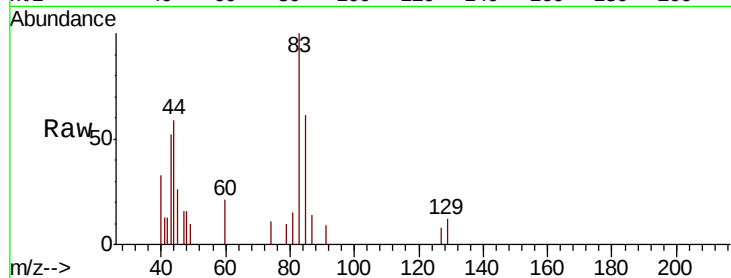




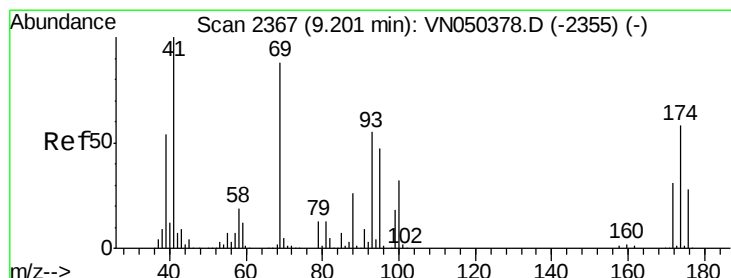
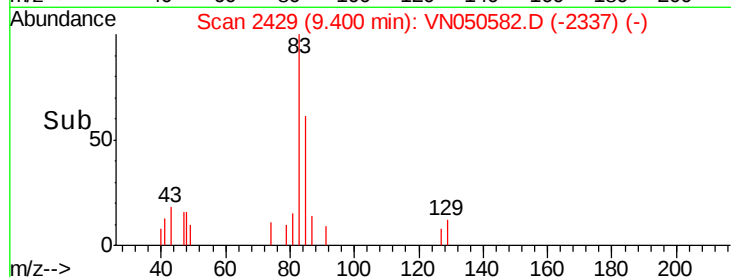
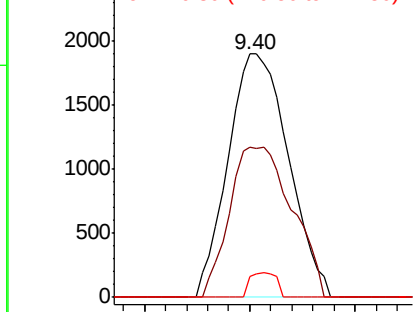
#47
Bromodichloromethane
Concen: 0.32 ug/l
RT: 9.40 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

Tot Ion: 83 Resp: 3773
Ion Ratio Lower Upper
83 100
85 61.4 51.1 76.7
127 8.3 7.0 10.4

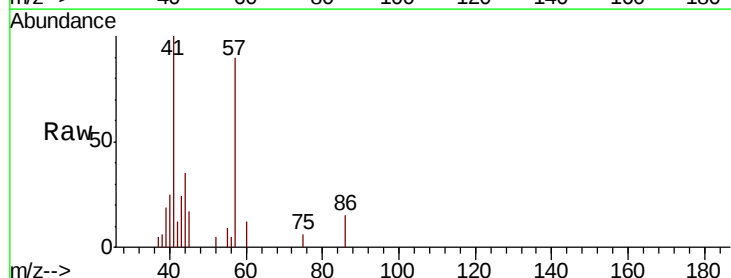


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

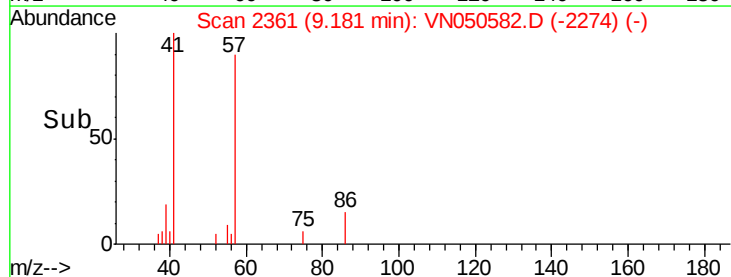
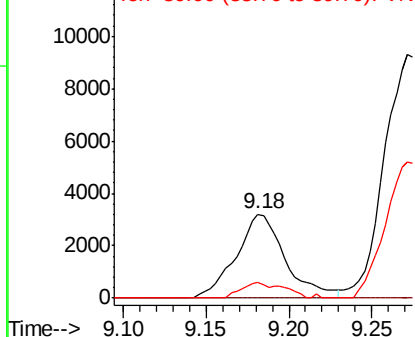


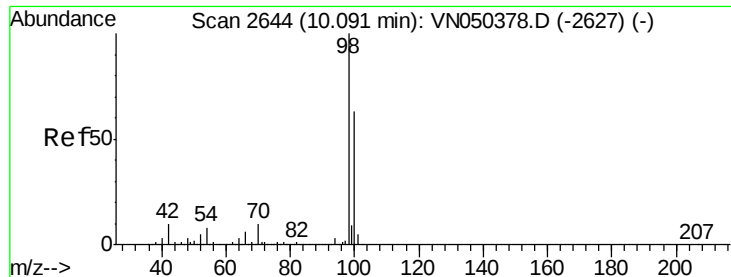
#48
Methyl methacrylate
Concen: 0.93 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 41 Resp: 6598
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.0 43.9 65.9#



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

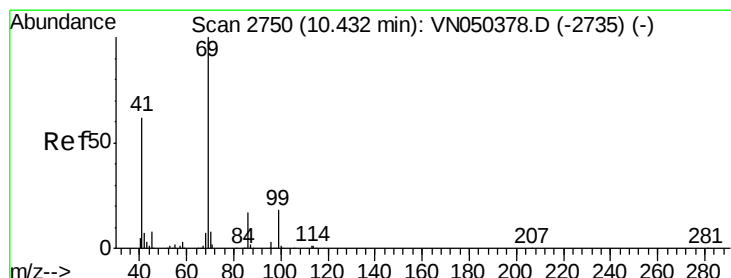
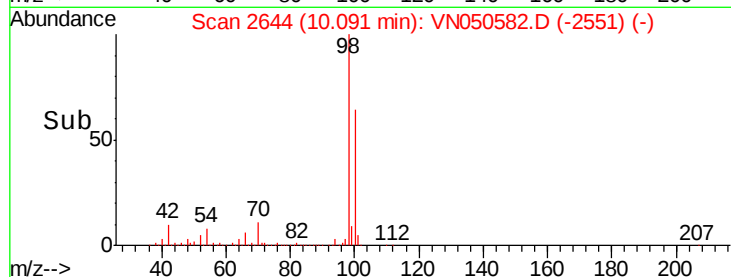
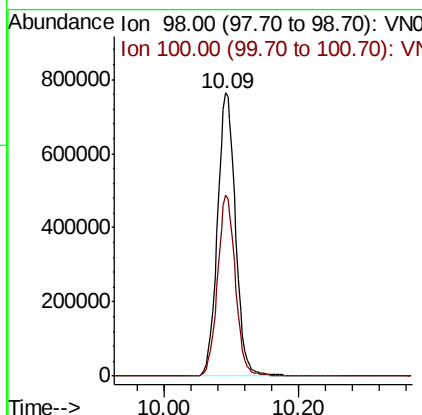
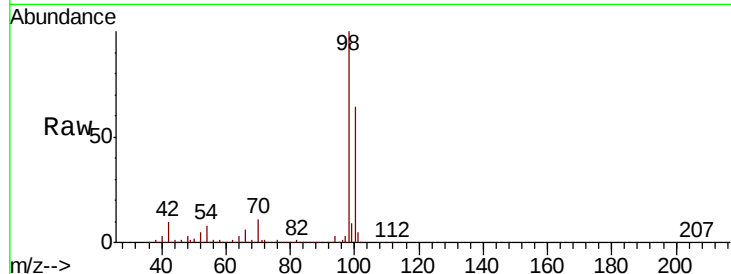




#50
Toluene-d8
Concen: 45.65 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

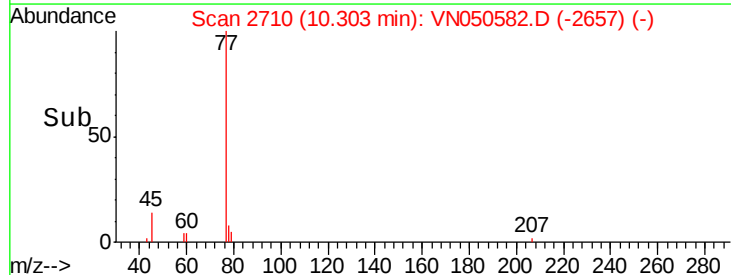
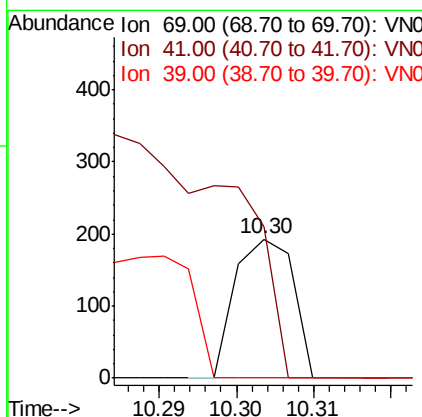
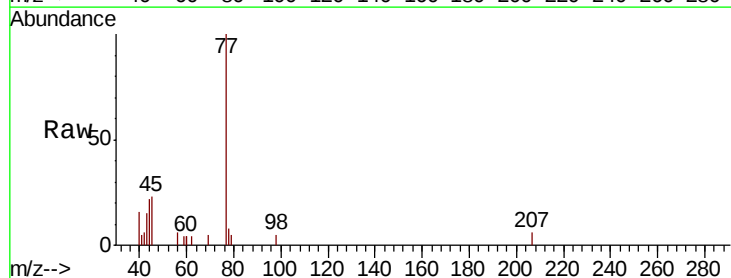
Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

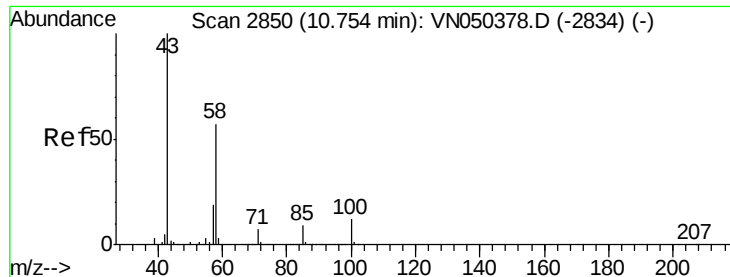
Tot Ion: 98 Resp: 1428694
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.30 min Scan# 2710
Delta R.T. -0.13 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 40.0#

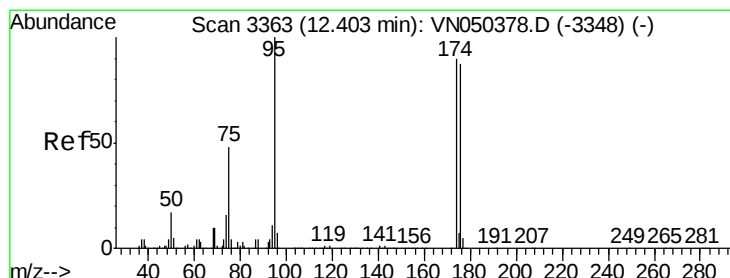
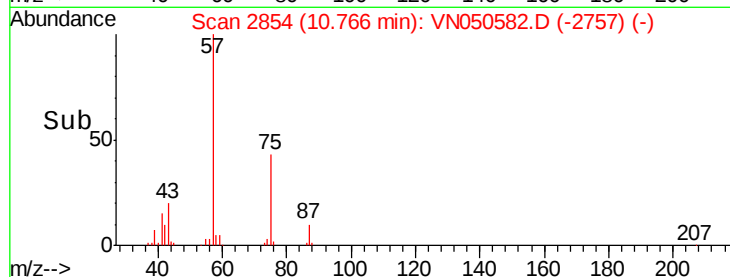
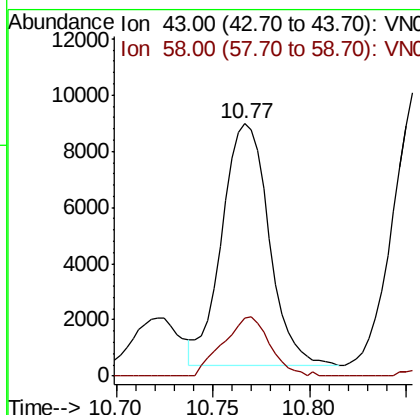
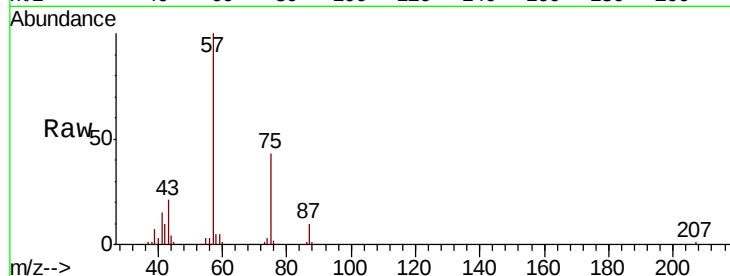




#59
2-Hexanone
Concen: 2.05 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

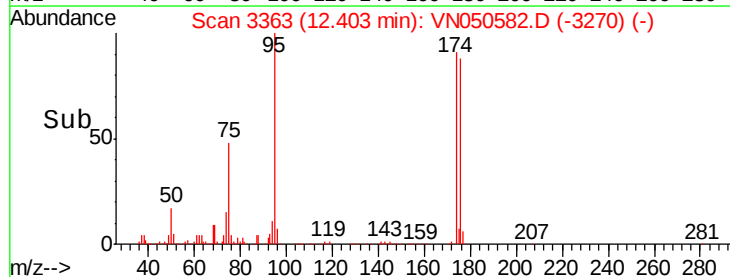
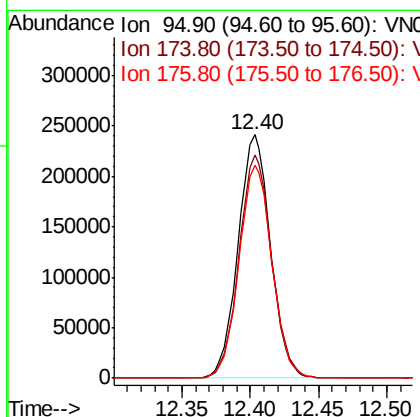
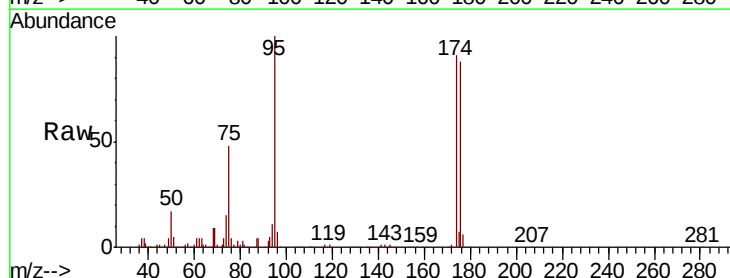
Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

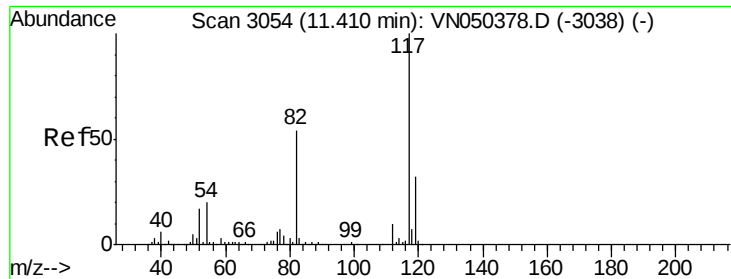
Tot Ion: 43 Resp: 14595
Ion Ratio Lower Upper
43 100
58 24.4 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.31 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion: 95 Resp: 397901
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 88.6 0.0 173.4

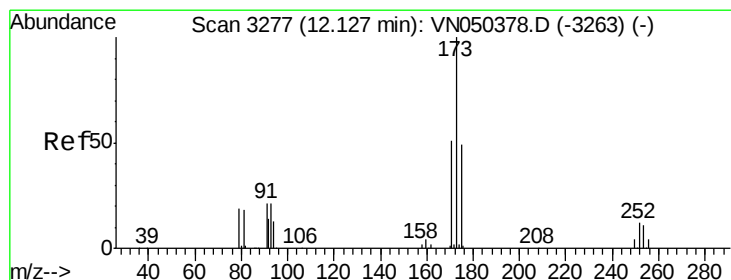
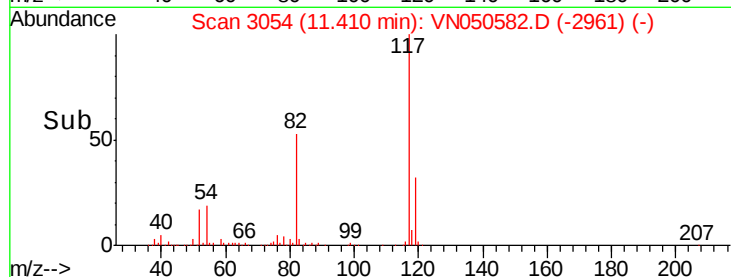
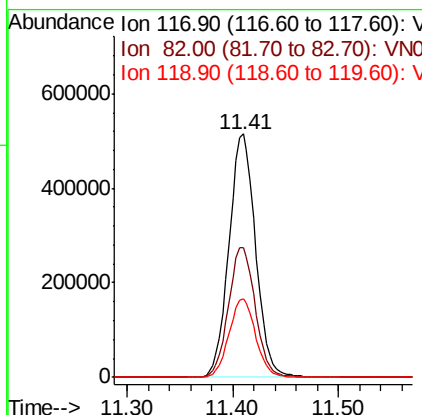
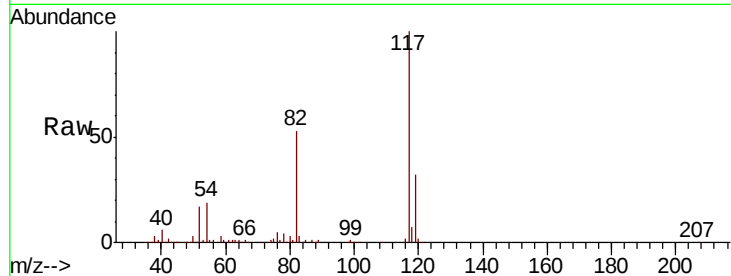




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

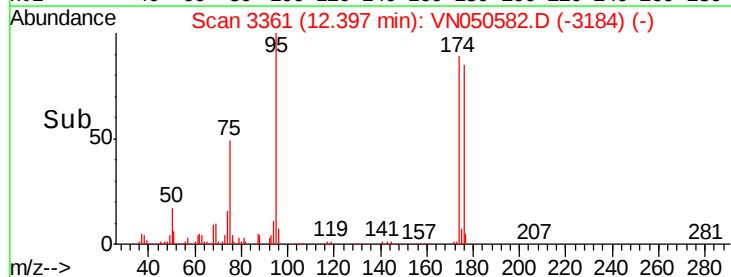
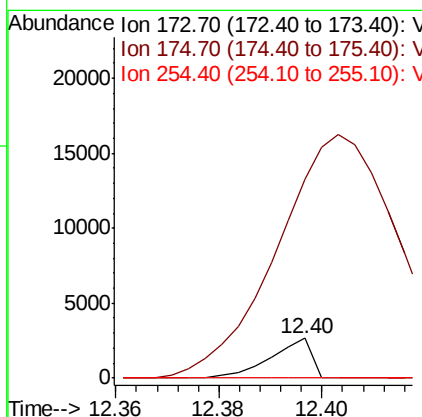
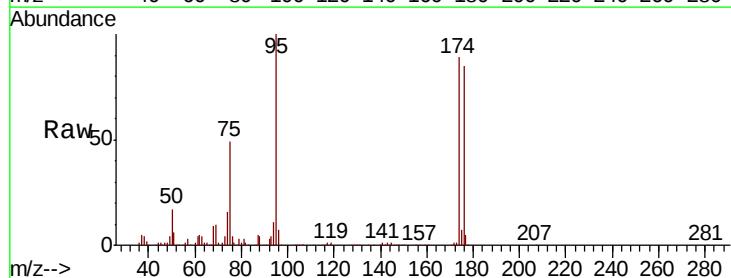
Instrument :
MSVOA_N
ClientSampleId :
HD-01-080918

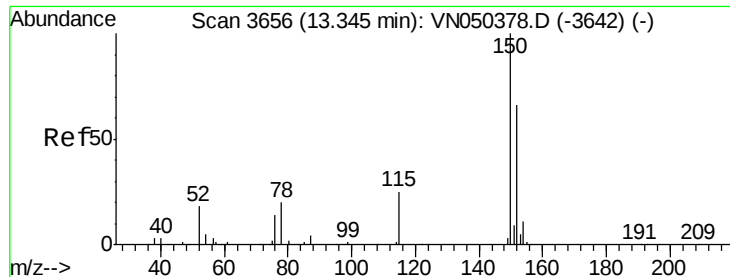
Tot Ion:117 Resp: 898083
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 32.3 26.1 39.1



#71
Bromoform
Concen: 0.24 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050582.D
Acq: 13 Aug 2018 20:54

Tgt Ion:173 Resp: 1452
Ion Ratio Lower Upper
173 100
175 1549.0 24.1 72.2#
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: VN050582.D

Acq: 13 Aug 2018 20:54

Instrument :

MSVOA_N

ClientSampleId :

HD-01-080918

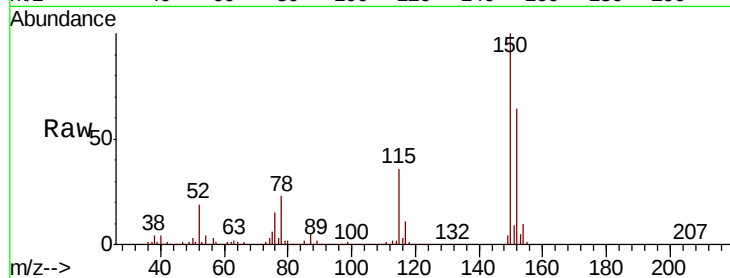
Tot Ion:152 Resp: 340709

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

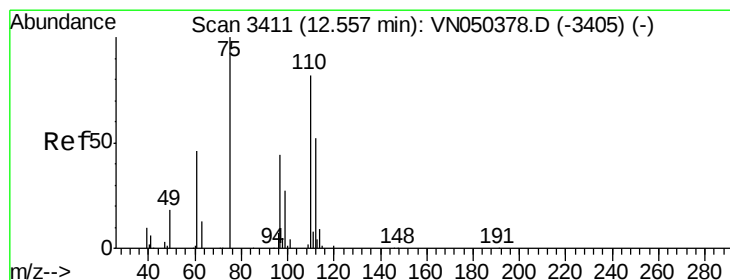
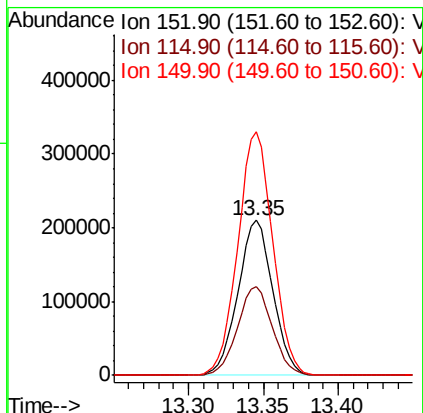
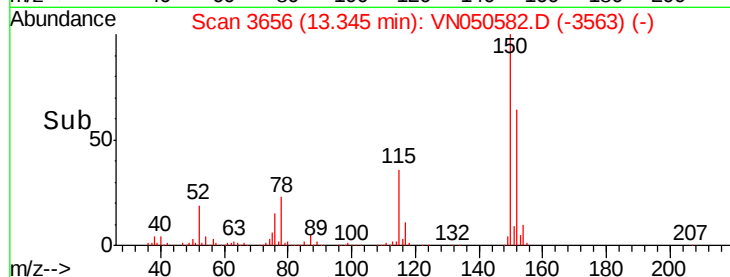
150 157.5 0.0 348.6



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: 31.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050582.D

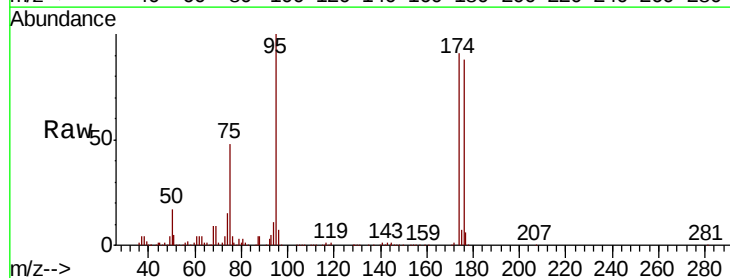
Acq: 13 Aug 2018 20:54

Tgt Ion: 75 Resp: 191620

Ion Ratio Lower Upper

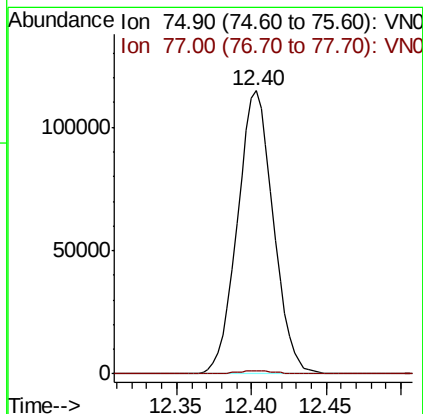
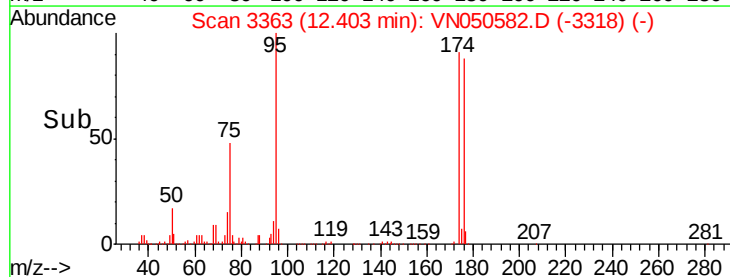
75 100

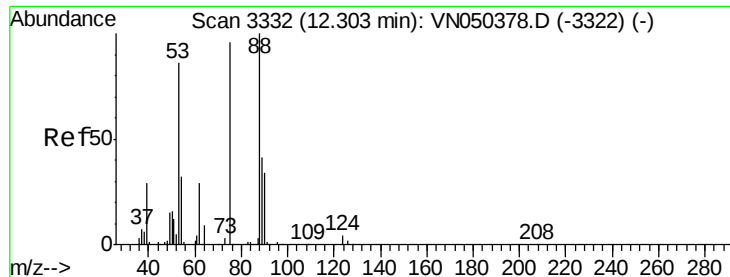
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

Instrument :

MSVOA_N

ClientSampled :

HD-01-080918

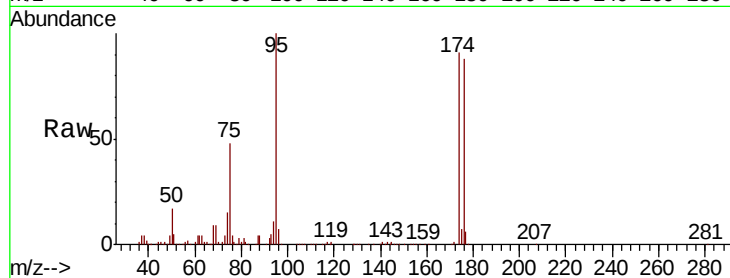
Tot Ion: 75 Resp: 191620

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

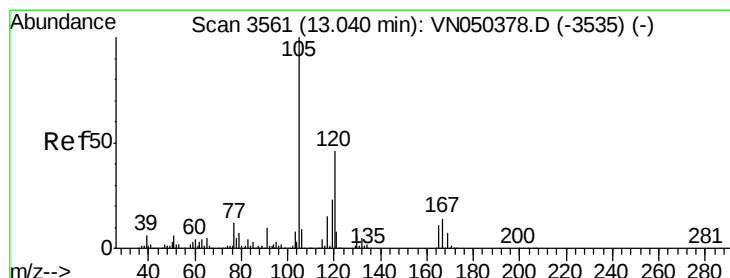
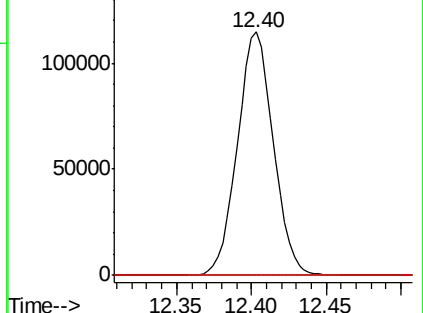
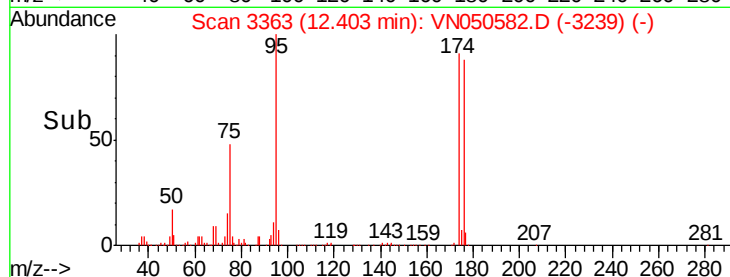
89 0.0 36.0 54.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050582.D

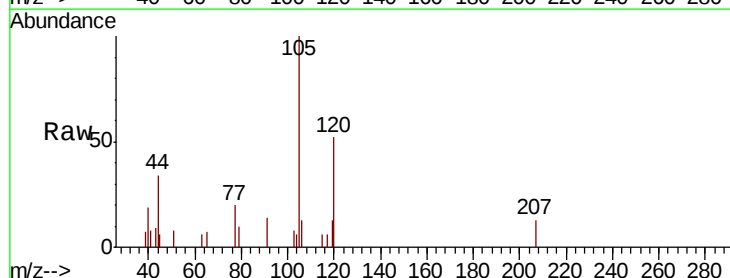
Acq: 13 Aug 2018 20:54

Tgt Ion: 105 Resp: 4692

Ion Ratio Lower Upper

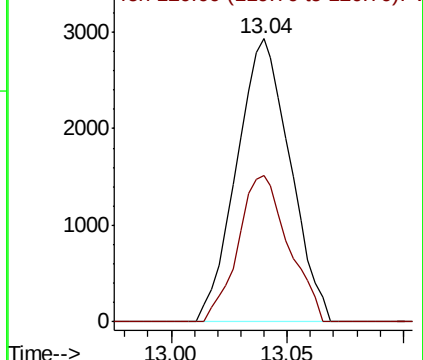
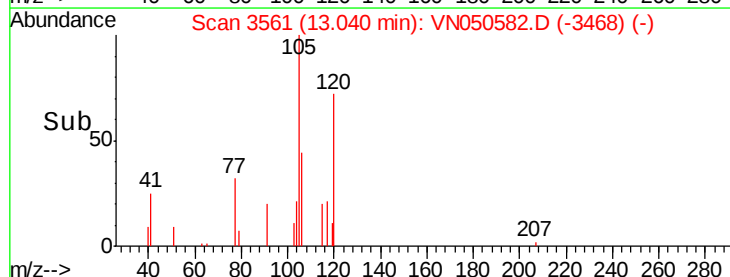
105 100

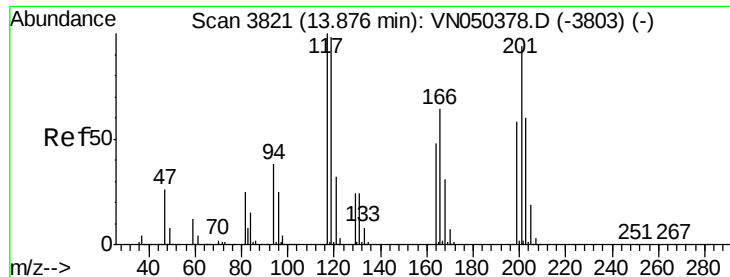
120 48.9 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.26 ug/l

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

Instrument :

MSVOA_N

ClientSampleId :

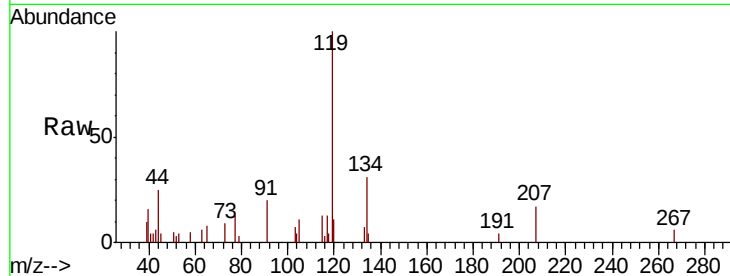
HD-01-080918

Tot Ion:117 Resp: 957

Ion Ratio Lower Upper

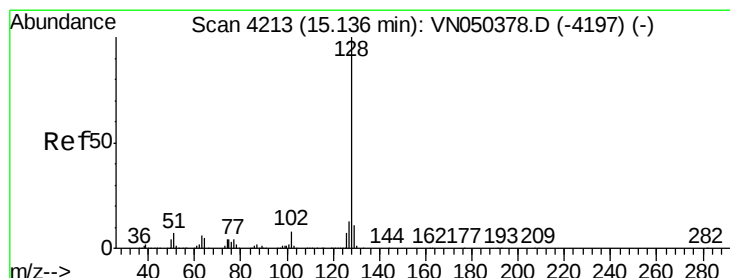
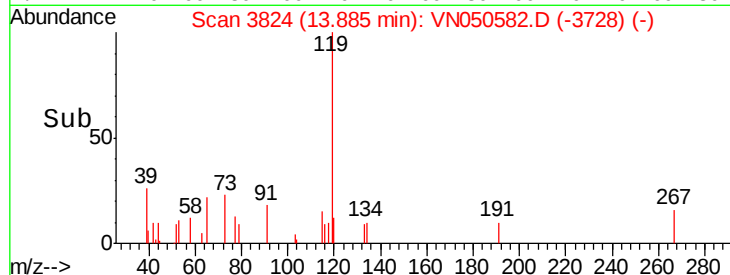
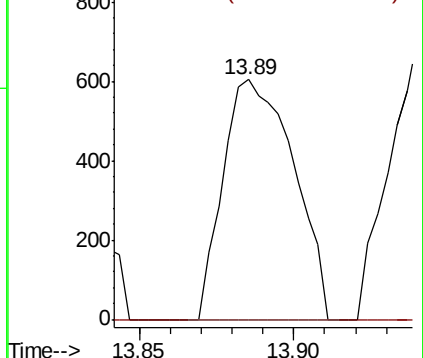
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 5.24 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050582.D

Acq: 13 Aug 2018 20:54

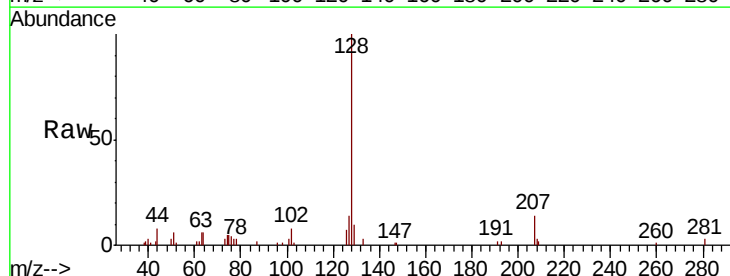
Tgt Ion:128 Resp: 28795

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 10.8 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

