

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050470.D
 Acq On : 8 Aug 2018 19:47
 Operator : MD\SY
 Sample : J4380-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-40

Quant Time: Aug 09 00:59:22 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	781389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1029554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411295	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	495610	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	7.59	113	458299	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	10.09	98	1641299	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	12.40	95	481657	38.59	ug/l	0.00
Spiked Amount			Recovery	=	77.18%	

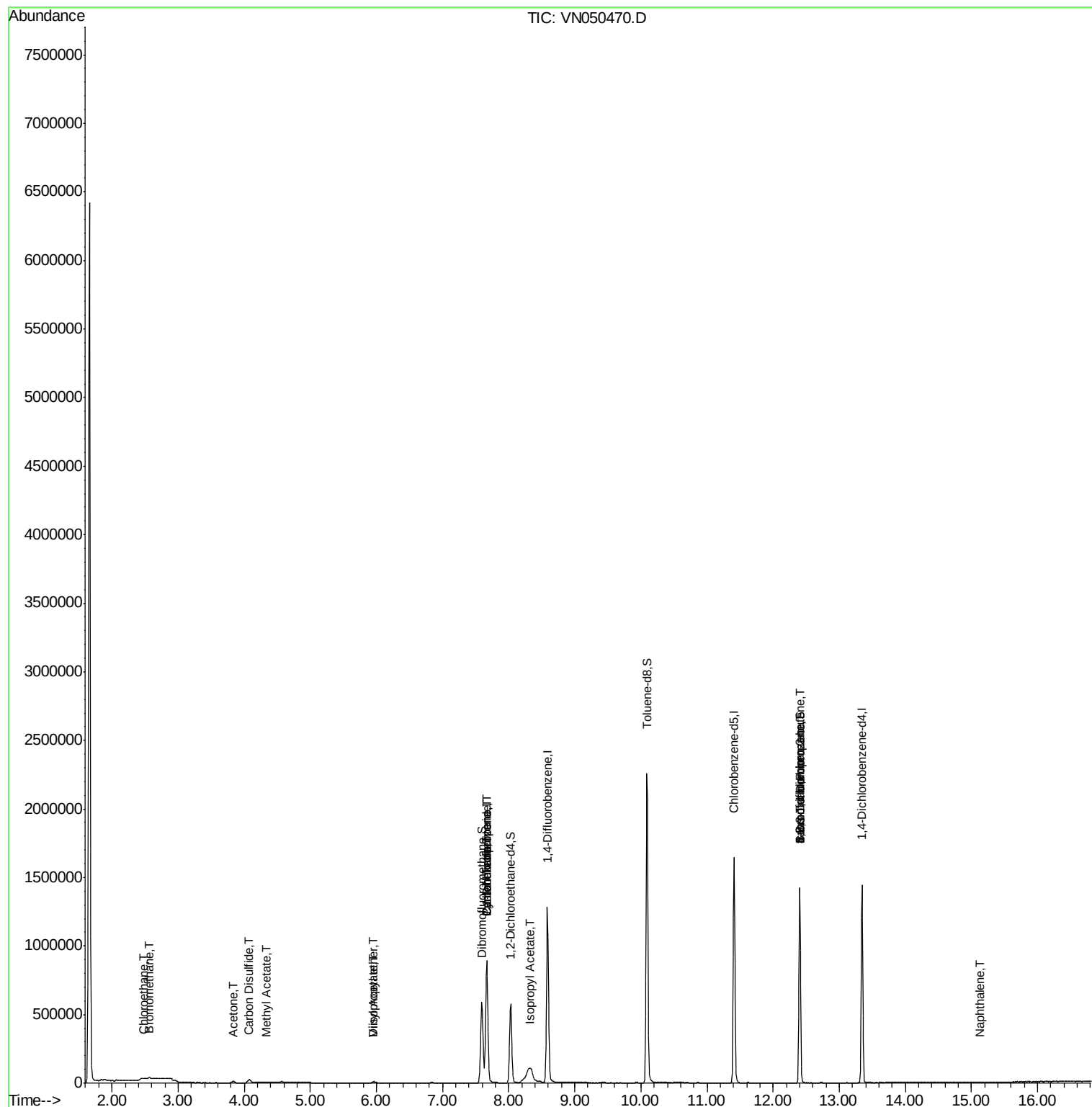
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4843	Below Cal		90
5) Bromomethane	2.57	94	2836	0.69 ug/l		98
6) Chloroethane	2.48	64	2541	0.37 ug/l #		44
16) Acetone	3.83	43	21630	6.60 ug/l		95
17) Carbon Disulfide	4.05	76	8012	0.29 ug/l		97
18) Methyl Acetate	4.33	43	5624	0.50 ug/l #		83
20) Methylene Chloride	4.55	84	1459	Below Cal #		84
22) Diisopropyl ether	5.96	45	11980	0.43 ug/l		97
23) Vinyl Acetate	5.96	43	7224	0.37 ug/l #		71
31) Cyclohexane	7.67	56	13849	0.30 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	51405	3.85 ug/l #		48
38) Carbon Tetrachloride	7.67	117	66828	4.80 ug/l #		16
43) Isopropyl Acetate	8.31	43	134451	8.11 ug/l #		61
71) Bromoform	12.40	173	3535	0.51 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	226821	30.47 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	226821	107.05 ug/l #		13
95) Naphthalene	15.13	128	336	3.64 ug/l #		69

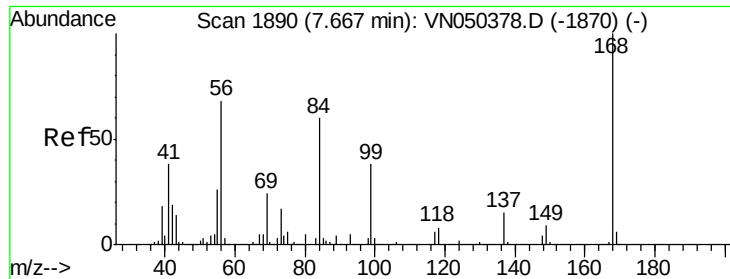
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

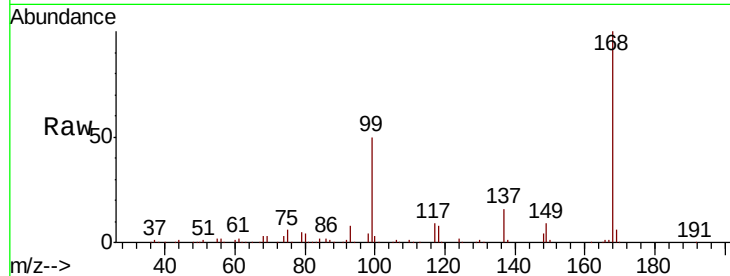
Instrument :
MSVOA_N
ClientSampled :
MW-40

Tot Ion:168 Resp: 781389

Ion Ratio Lower Upper

168 100

99 49.7 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

300000

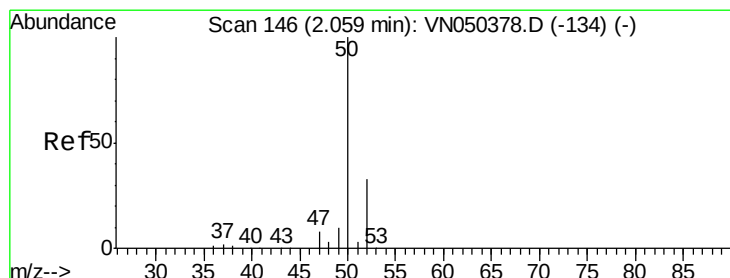
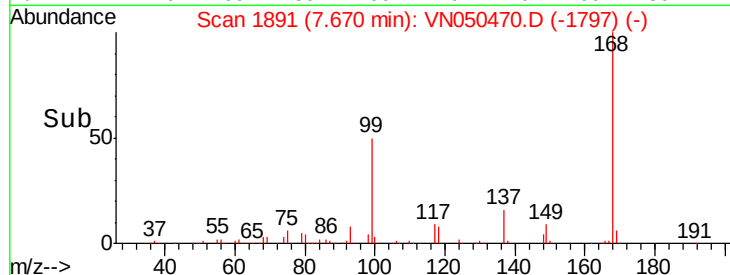
200000

100000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050470.D

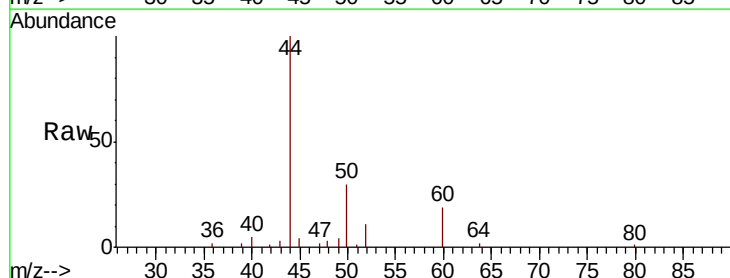
Acq: 8 Aug 2018 19:47

Tgt Ion: 50 Resp: 4843

Ion Ratio Lower Upper

50 100

52 37.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

4000

3000

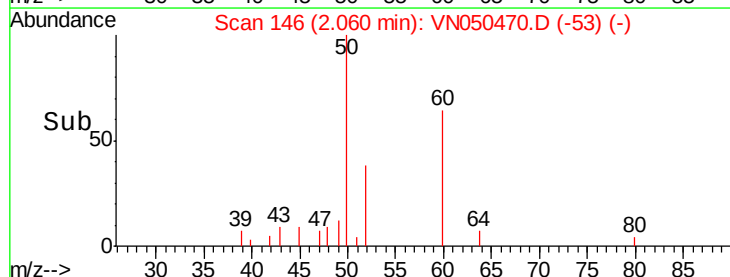
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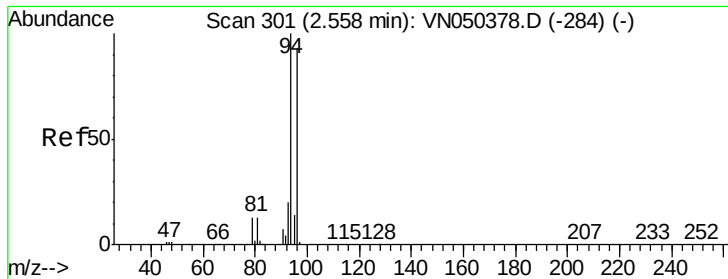
1000

0

2.02 2.04 2.06 2.08 2.10

Time-->





#5

Bromomethane

Concen: 0.69 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampled :

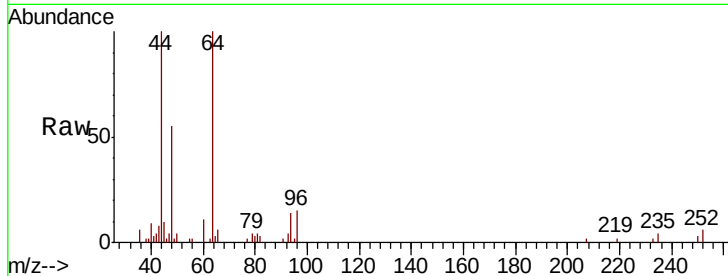
MW-40

Tot Ion: 94 Resp: 2836

Ion Ratio Lower Upper

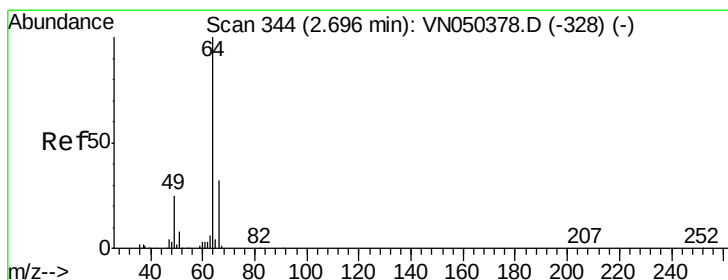
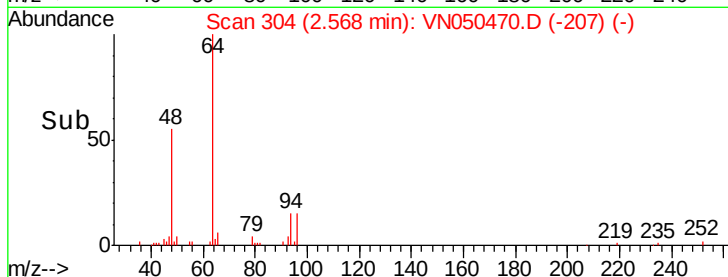
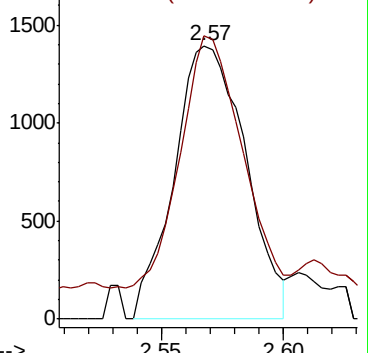
94 100

96 91.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.37 ug/l

RT: 2.48 min Scan# 277

Delta R.T. -0.22 min

Lab File: VN050470.D

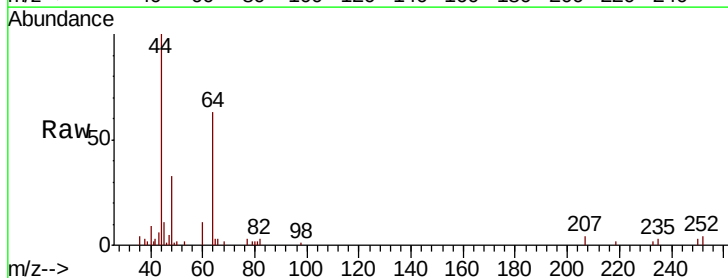
Acq: 8 Aug 2018 19:47

Tgt Ion: 64 Resp: 2541

Ion Ratio Lower Upper

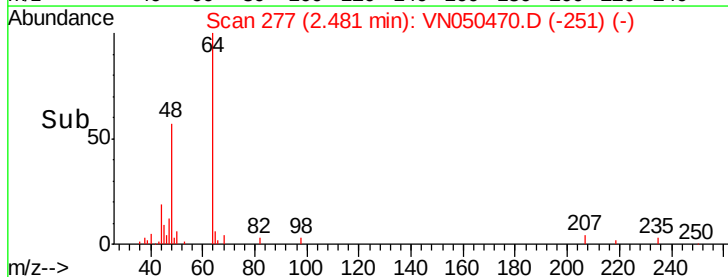
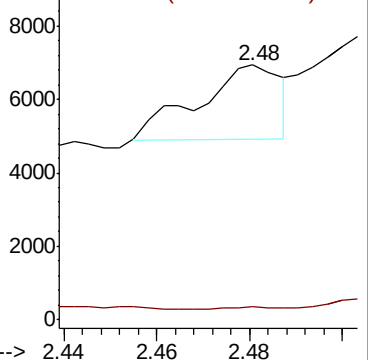
64 100

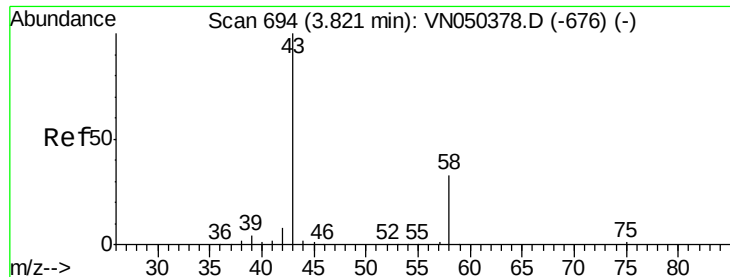
66 0.3 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#16

Acetone

Concen: 6.60 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampled :

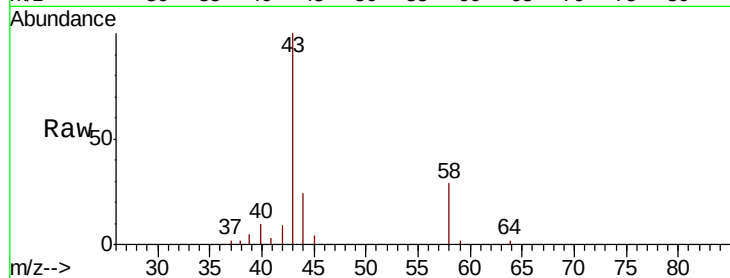
MW-40

Tot Ion: 43 Resp: 21630

Ion Ratio Lower Upper

43 100

58 29.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-676) (-)

8000

6000

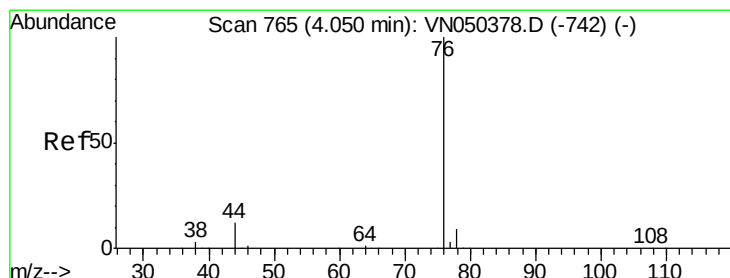
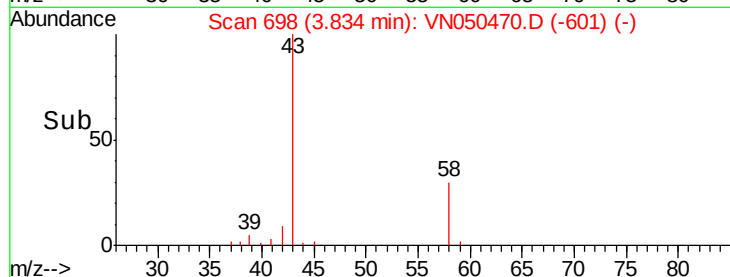
4000

2000

0

3.80 3.83 3.90

Time-->



#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050470.D

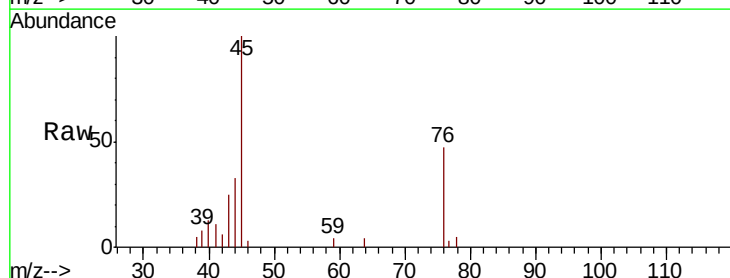
Acq: 8 Aug 2018 19:47

Tgt Ion: 76 Resp: 8012

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050378.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050378.D (-742) (-)

3000

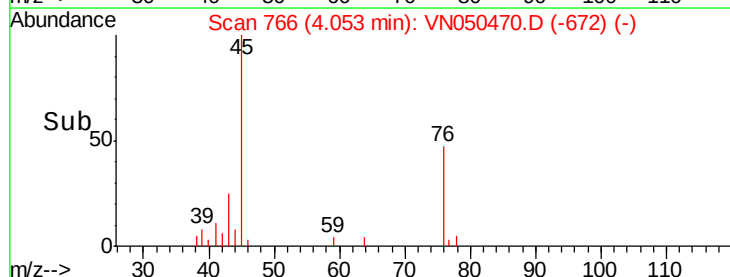
2000

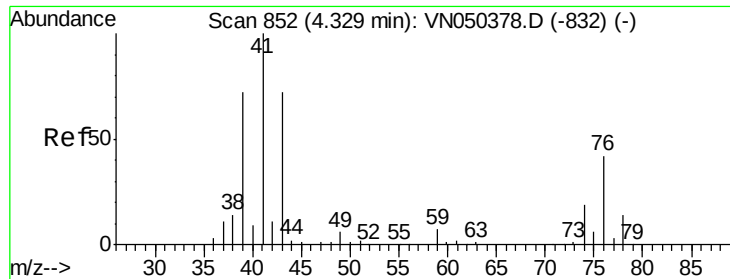
1000

0

4.00 4.05 4.10

Time-->

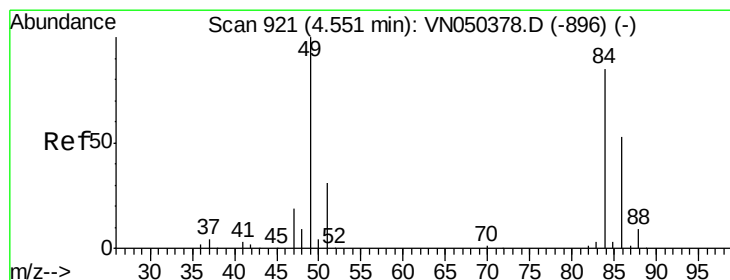
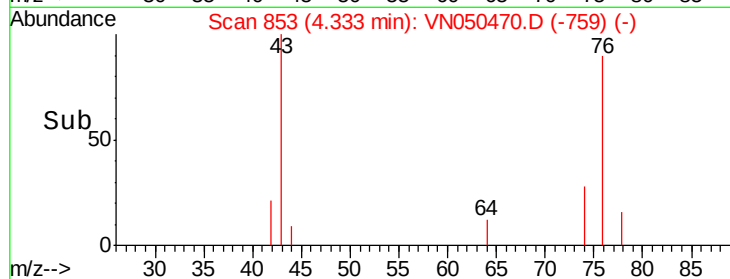
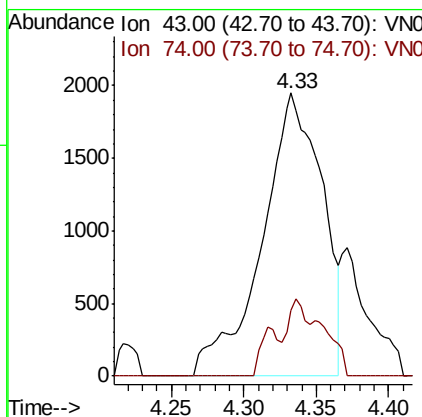
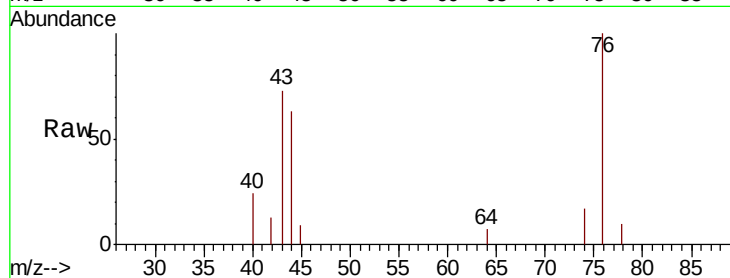




#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050470.D
Acq: 8 Aug 2018 19:47

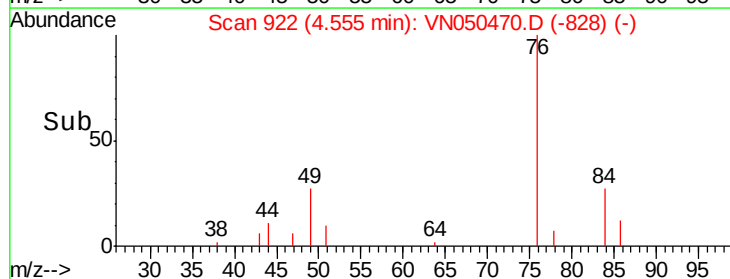
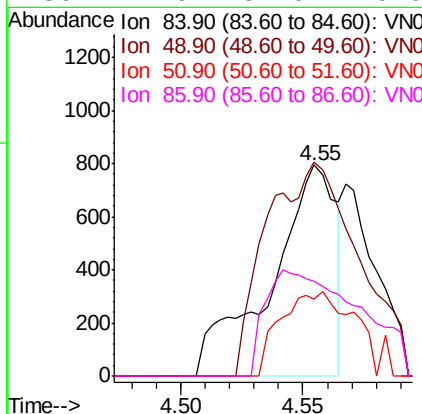
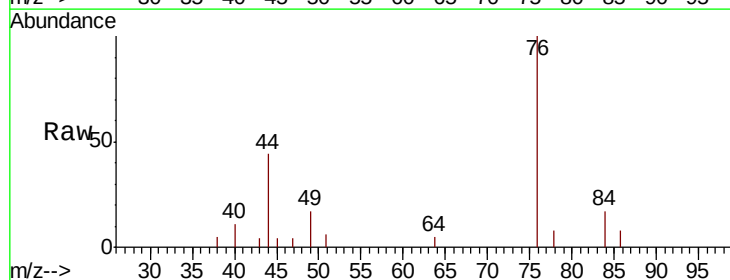
Instrument :
MSVOA_N
ClientSampled :
MW-40

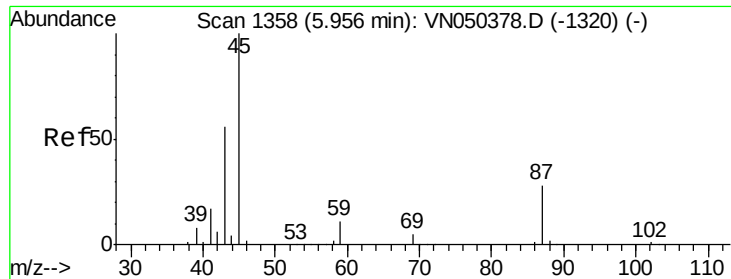
Tot Ion: 43 Resp: 5624
Ion Ratio Lower Upper
43 100
74 15.7 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050470.D
Acq: 8 Aug 2018 19:47

Tgt Ion: 84 Resp: 1459
Ion Ratio Lower Upper
84 100
49 101.3 94.8 142.2
51 36.7 28.3 42.5
86 44.9 51.0 76.6#





#22

Diisopropyl ether

Concen: 0.43 ug/l

RT: 5.96 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

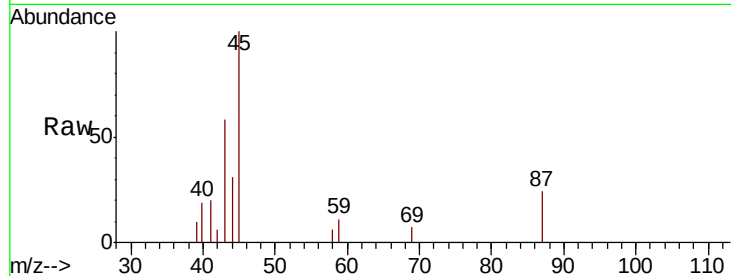
MSVOA_N

ClientSampled :

MW-40

Tot Ion: 45 Resp: 11980

Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.7	68.5
87	24.2	22.7	34.1
59	11.4	9.5	14.3

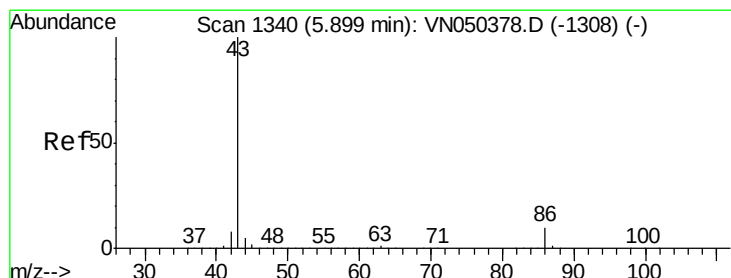
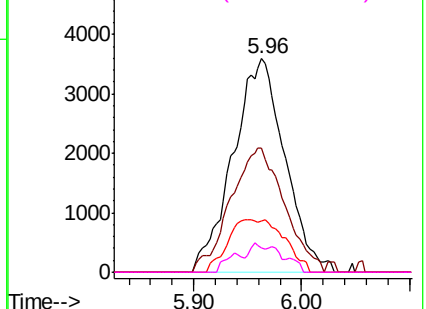
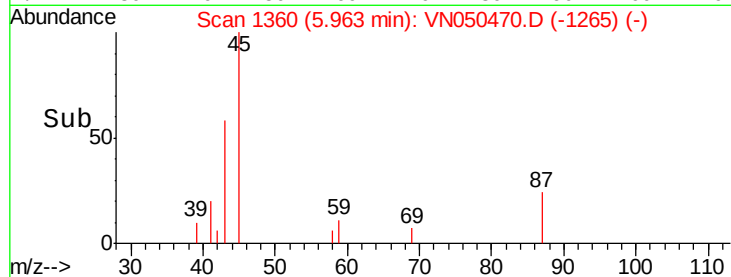


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 0.37 ug/l

RT: 5.96 min Scan# 1359

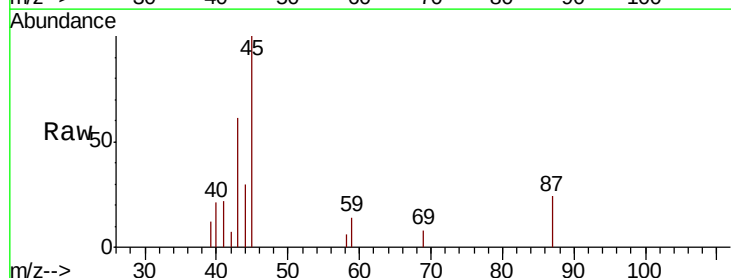
Delta R.T. 0.06 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

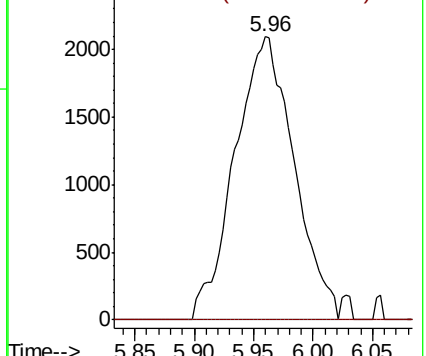
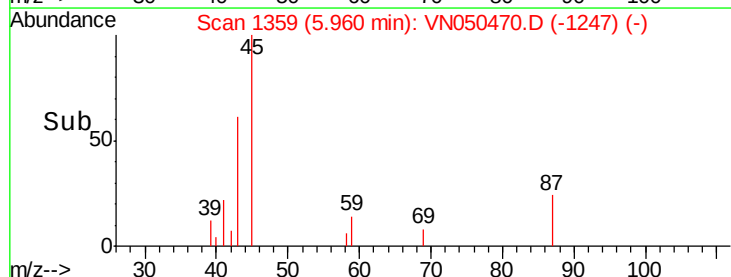
Tgt Ion: 43 Resp: 7224

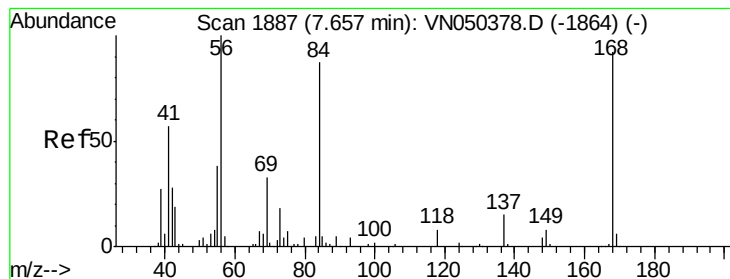
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#31

Cyclohexane

Concen: 0.30 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampled :

MW-40

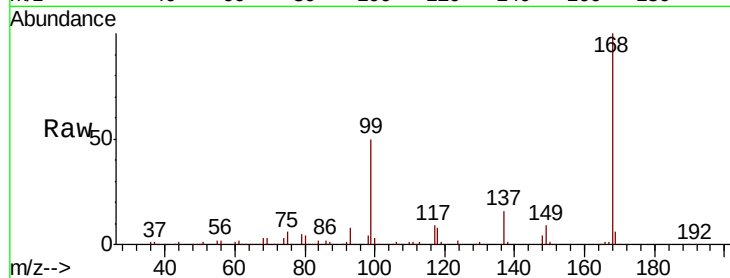
Tot Ion: 56 Resp: 13849

Ion Ratio Lower Upper

56 100

69 187.2 26.2 39.4#

84 135.5 67.4 101.0#

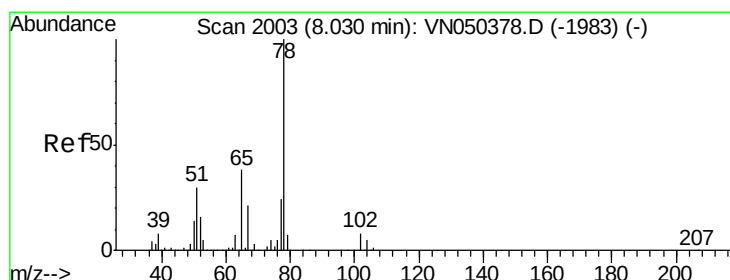
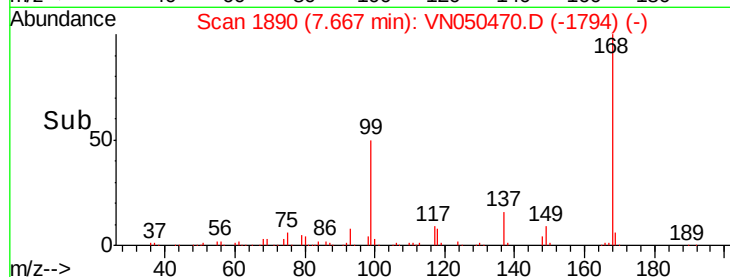
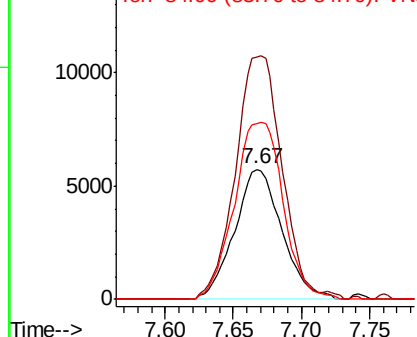


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.47 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050470.D

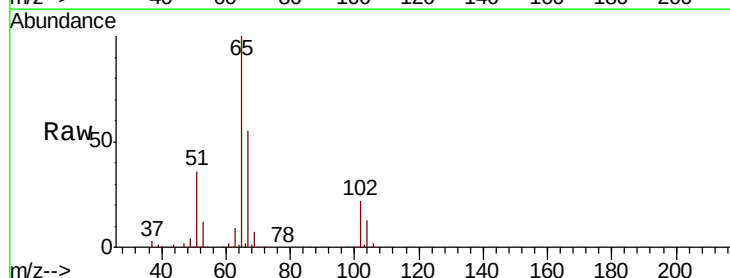
Acq: 8 Aug 2018 19:47

Tgt Ion: 65 Resp: 495610

Ion Ratio Lower Upper

65 100

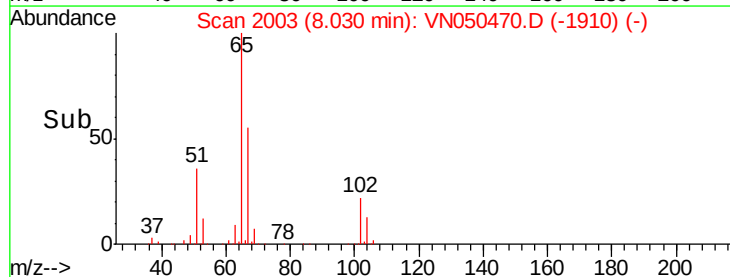
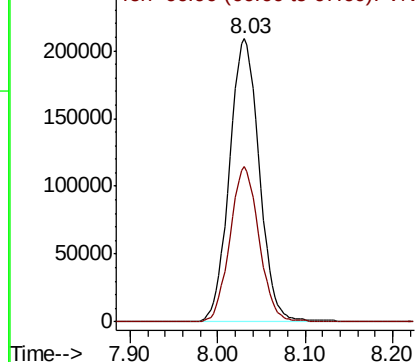
67 53.5 0.0 108.4

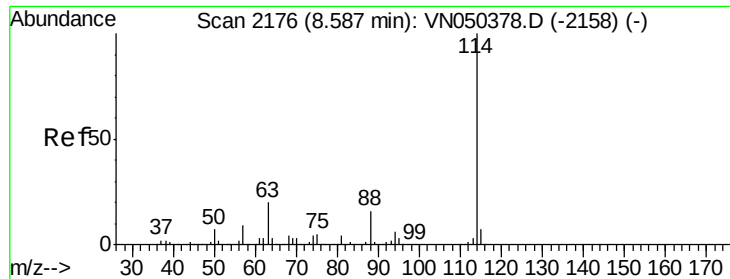


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

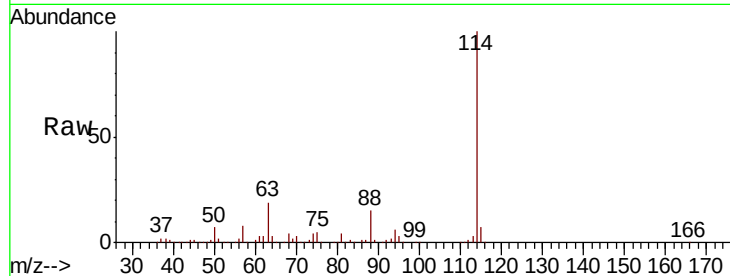




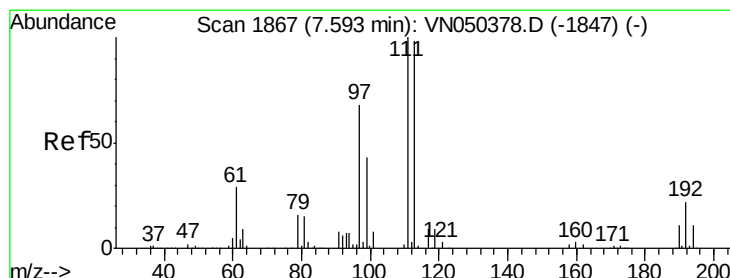
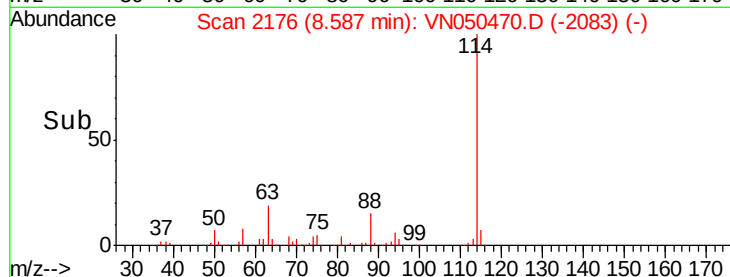
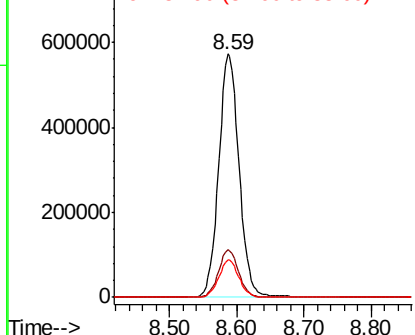
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050470.D
 Acq: 8 Aug 2018 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-40

Tot Ion:114 Resp: 1213941
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.3 0.0 31.2

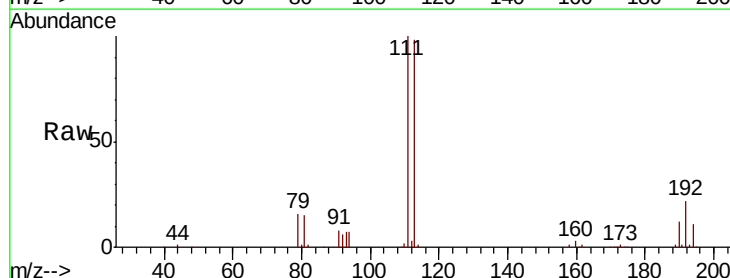


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

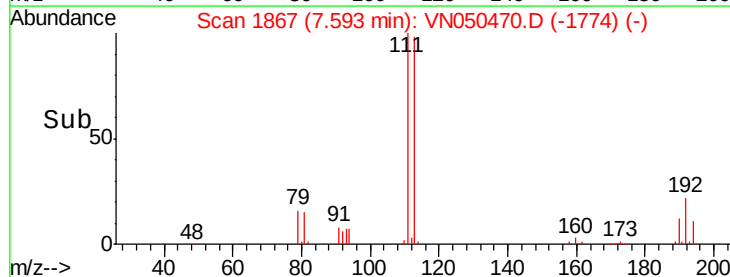
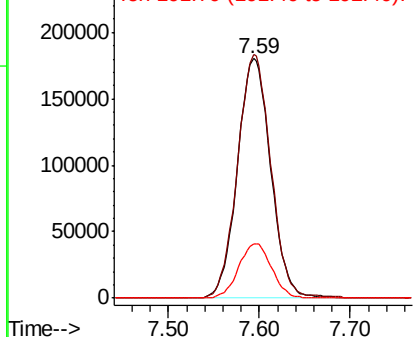


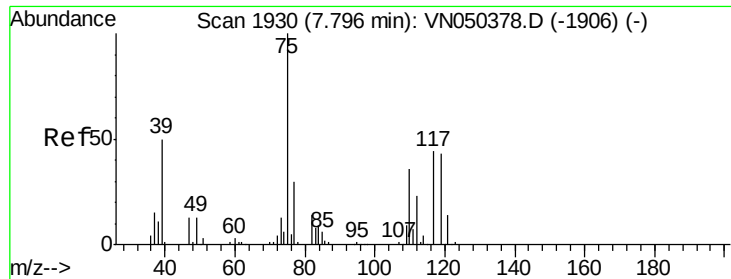
#35
 Dibromofluoromethane
 Concen: 47.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050470.D
 Acq: 8 Aug 2018 19:47

Tgt Ion:113 Resp: 458299
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.7 121.1
 192 22.5 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

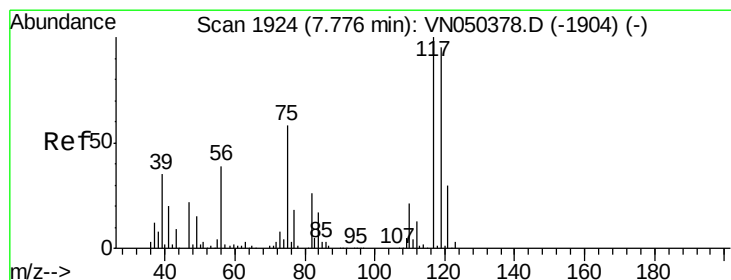
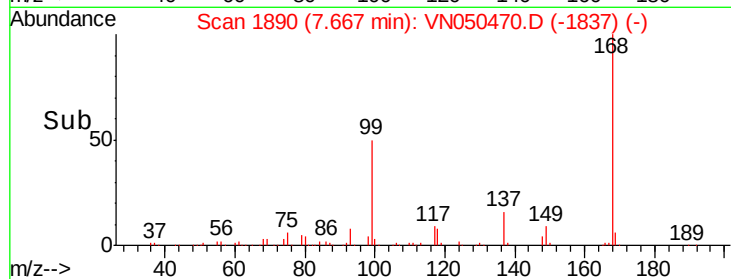
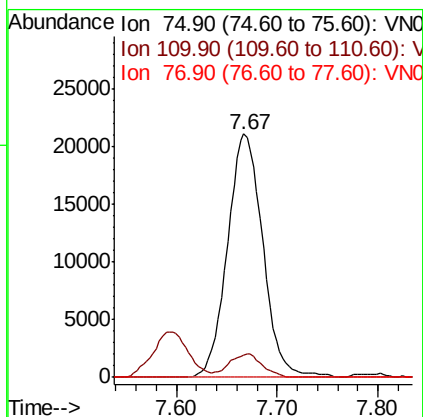
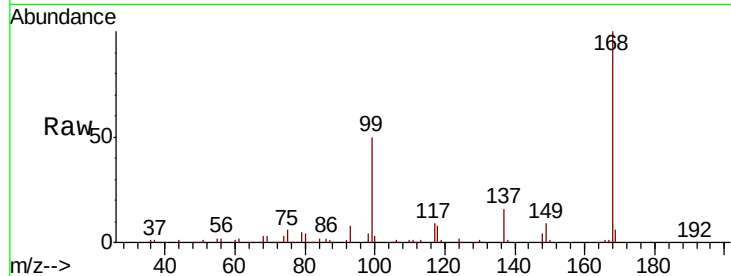




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050470.D
 Acq: 8 Aug 2018 19:47

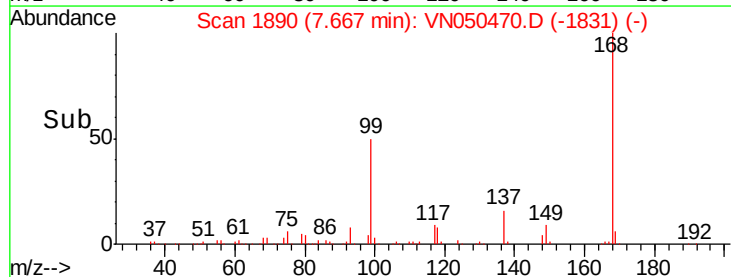
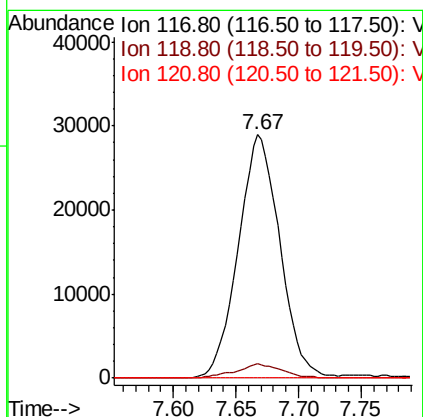
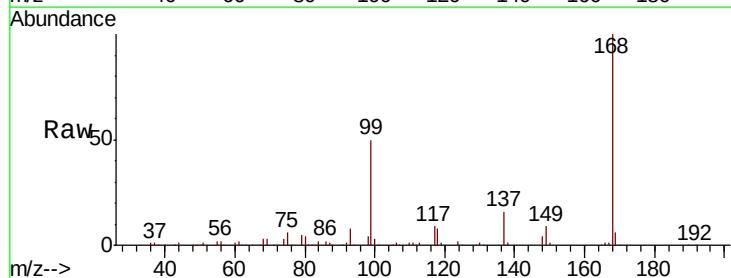
Instrument :
 MSVOA_N
 ClientSampled :
 MW-40

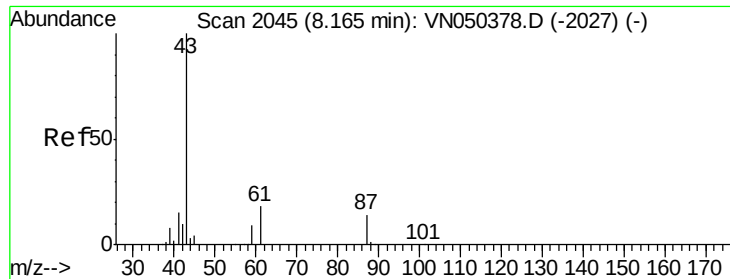
Tot Ion	75	Resp	51405
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.80 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050470.D
 Acq: 8 Aug 2018 19:47

Tgt Ion	117	Resp	66828
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.9	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 8.11 ug/l

RT: 8.31 min Scan# 2089

Delta R.T. 0.14 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampleId :

MW-40

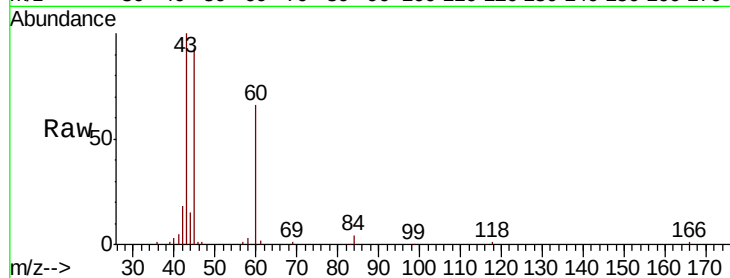
Tot Ion: 43 Resp: 134451

Ion Ratio Lower Upper

43 100

61 0.3 15.8 23.6#

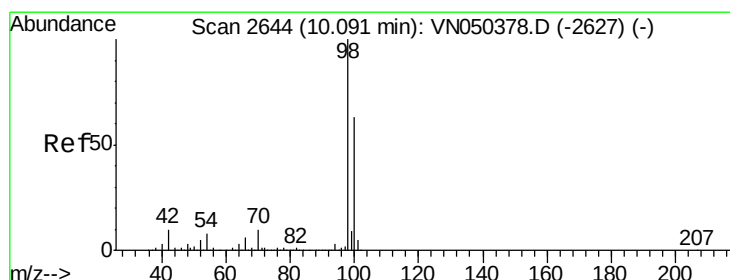
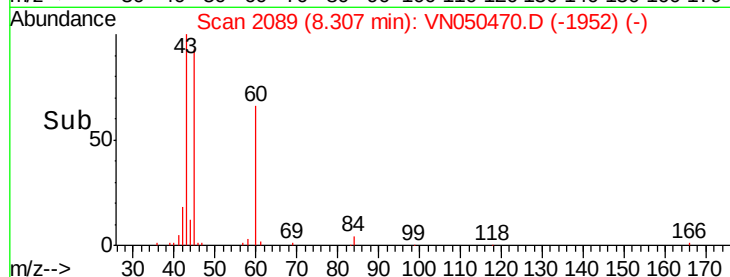
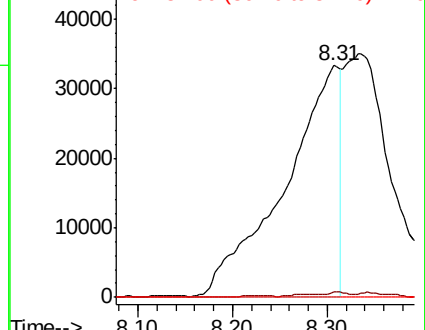
87 0.0 10.3 15.5#



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



#50

Toluene-d8

Concen: 44.82 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050470.D

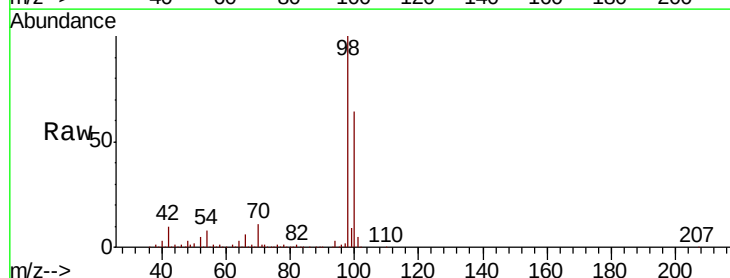
Acq: 8 Aug 2018 19:47

Tgt Ion: 98 Resp: 1641299

Ion Ratio Lower Upper

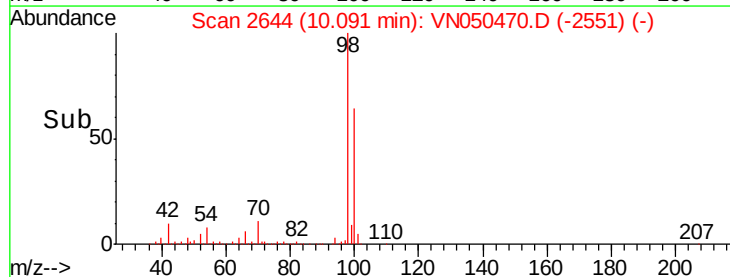
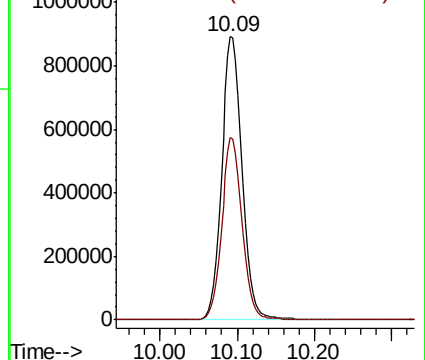
98 100

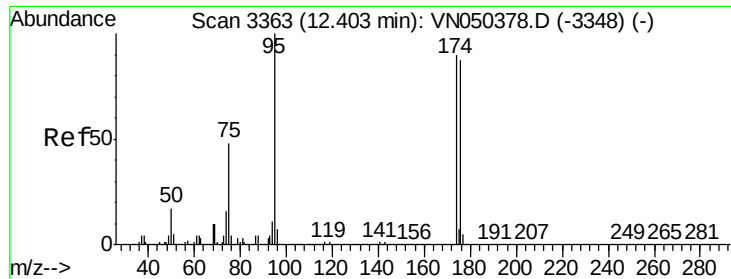
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

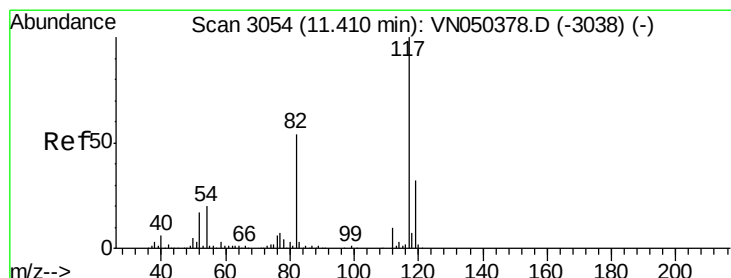
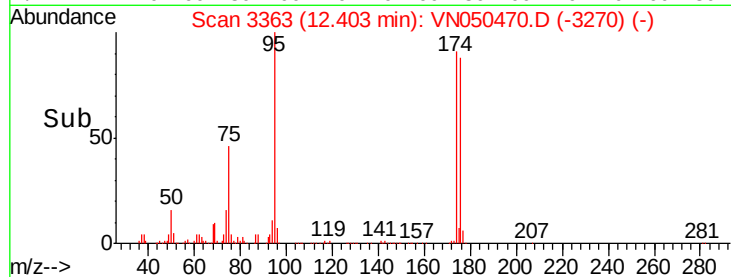
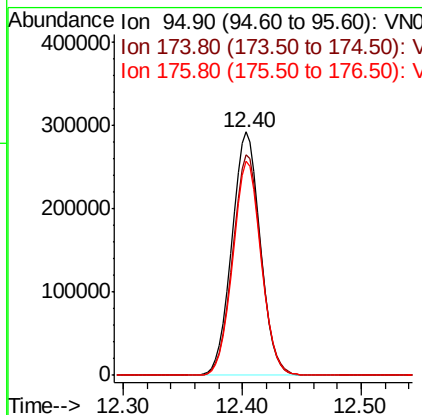
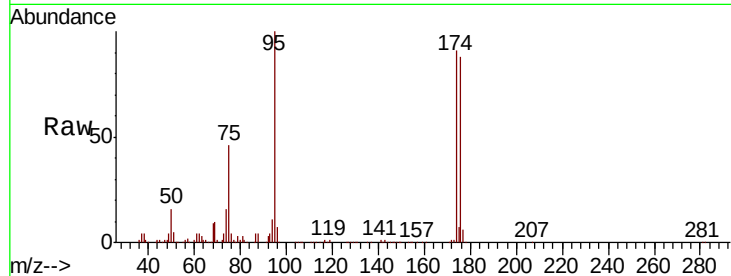




#62
4-Bromofluorobenzene
Concen: 38.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050470.D
Acq: 8 Aug 2018 19:47

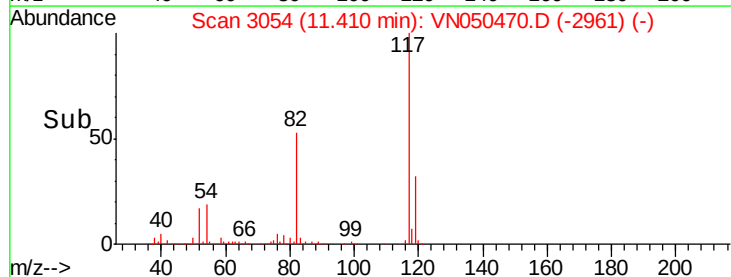
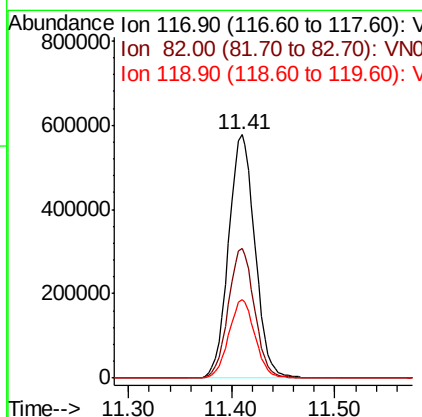
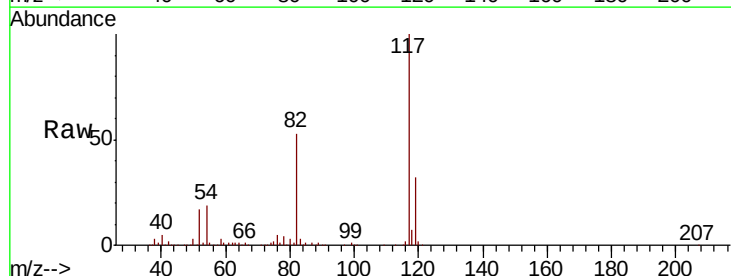
Instrument :
MSVOA_N
ClientSampleId :
MW-40

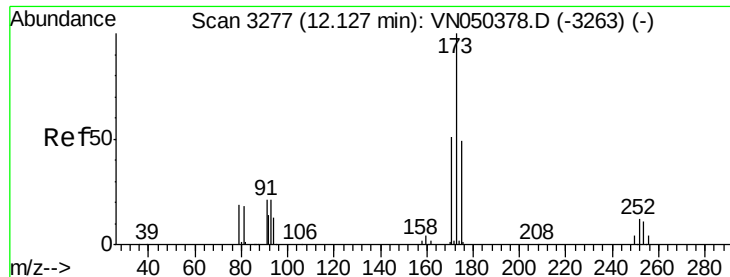
Tot Ion: 95 Resp: 481657
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 87.7 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050470.D
Acq: 8 Aug 2018 19:47

Tgt Ion: 117 Resp: 1029554
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 32.2 26.1 39.1





#71

Bromoform

Concen: 0.51 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampled :

MW-40

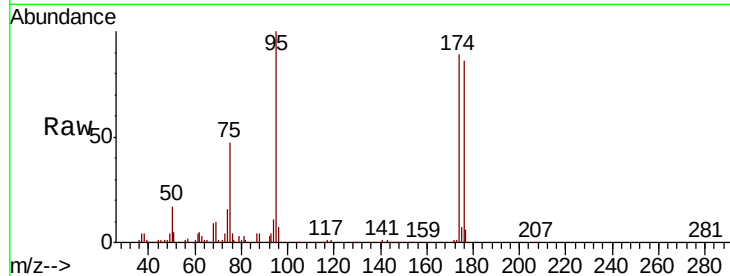
Tot Ion:173 Resp: 3535

Ion Ratio Lower Upper

173 100

175 772.0 24.1 72.2#

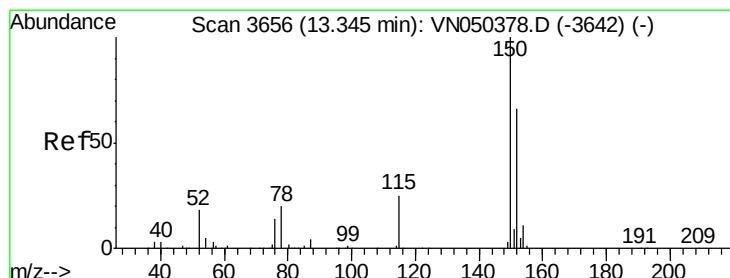
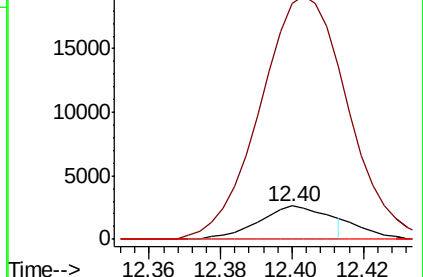
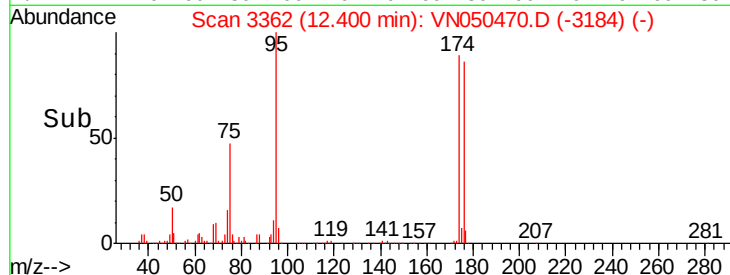
254 0.0 0.2 0.2#



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: VN050470.D

Acq: 8 Aug 2018 19:47

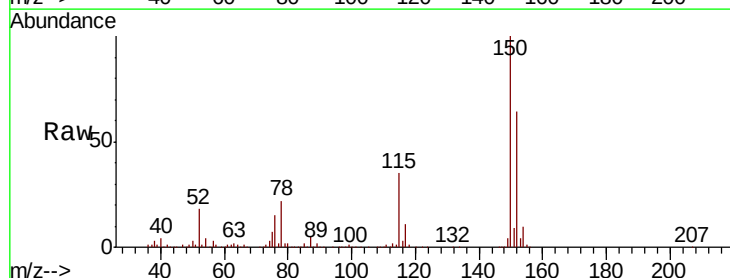
Tgt Ion:152 Resp: 411295

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.3

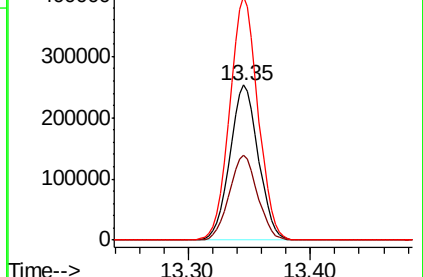
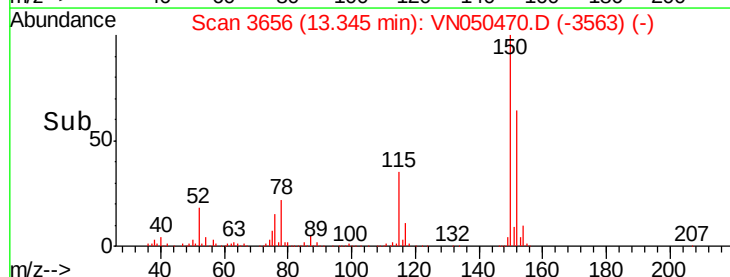
150 155.6 0.0 348.6

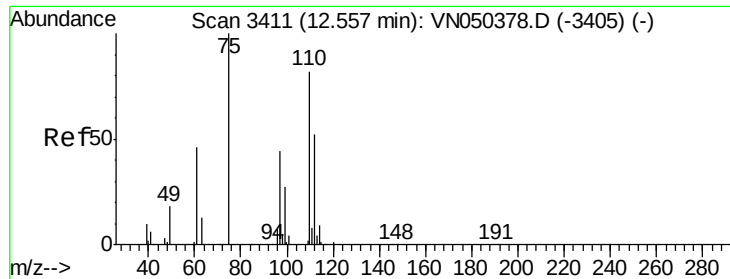


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

Instrument :

MSVOA_N

ClientSampled :

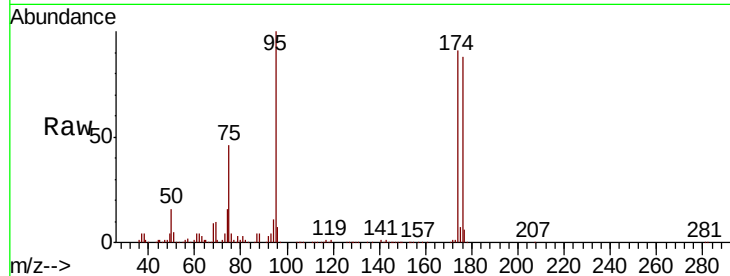
MW-40

Tot Ion: 75 Resp: 226821

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

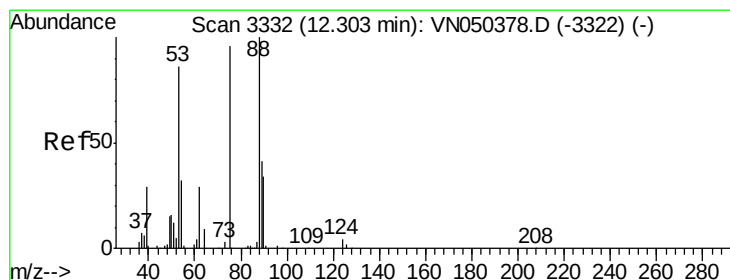
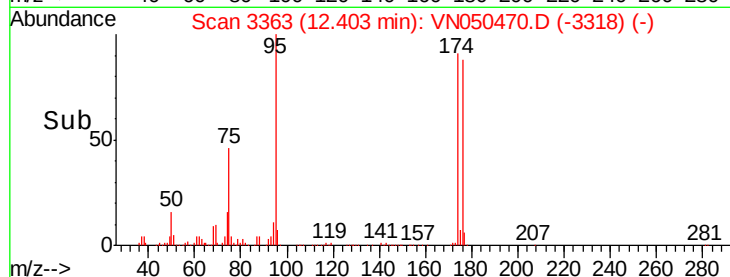
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 107.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050470.D

Acq: 8 Aug 2018 19:47

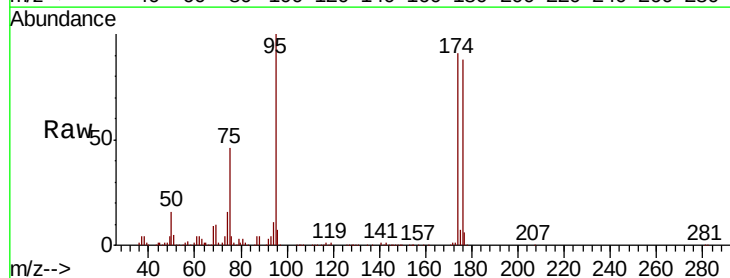
Tgt Ion: 75 Resp: 226821

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

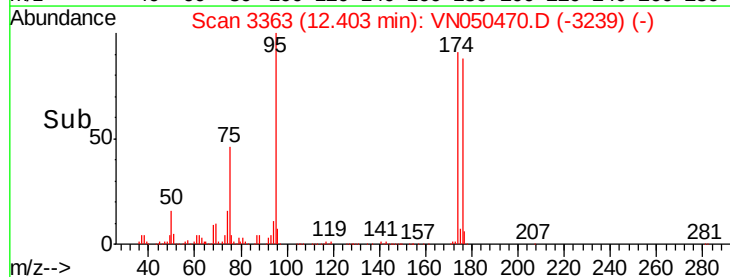
150000

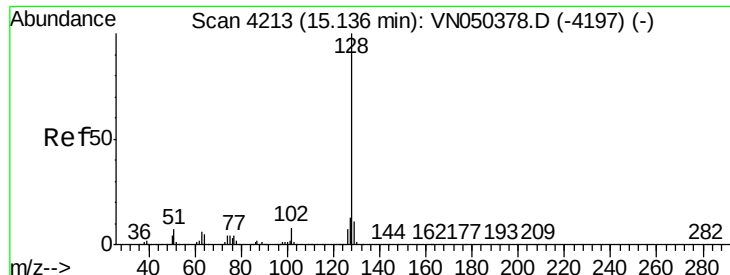
100000

50000

0

Time-->





#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.13 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VN050470.D
Acq: 8 Aug 2018 19:47

Instrument :
MSVOA_N
ClientSampleId :
MW-40

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

