

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050528.D
 Acq On : 10 Aug 2018 19:30
 Operator : MD\SY
 Sample : PB111921ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#07

Quant Time: Aug 10 23:19:33 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	643989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1083201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366304	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	450131	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	7.59	113	408535	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	10.09	98	1475602	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
62) 4-Bromofluorobenzene	12.40	95	428089	38.44	ug/l	0.00
Spiked Amount			Recovery	=	76.88%	

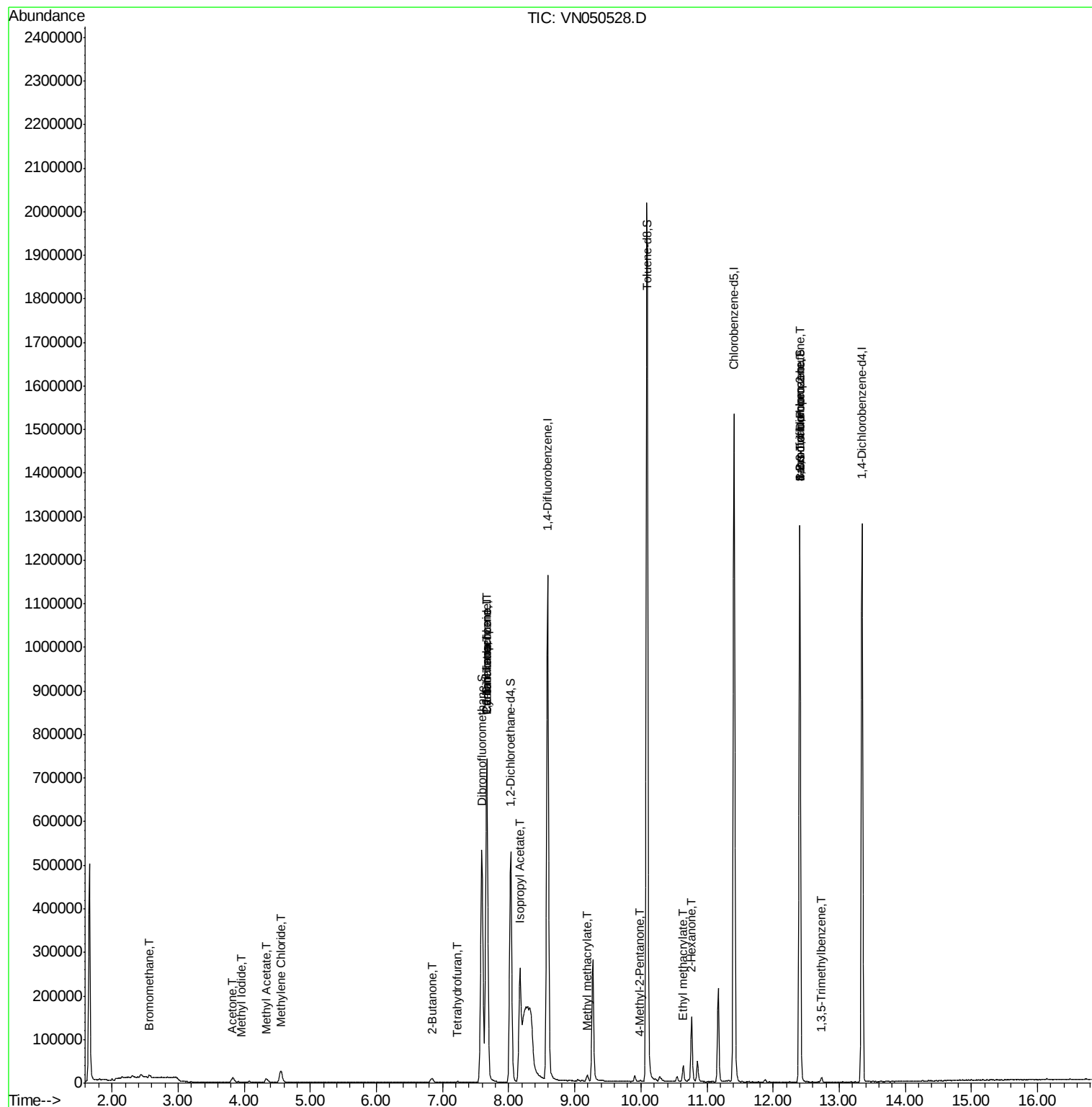
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3021	Below Cal	#	88
5) Bromomethane	2.57	94	3139	0.87	ug/l	96
10) Methyl Iodide	3.96	142	956	0.29	ug/l	# 49
16) Acetone	3.82	43	19449	7.23	ug/l	97
18) Methyl Acetate	4.34	43	14952	2.06	ug/l	100
20) Methylene Chloride	4.55	84	20996	1.16	ug/l	95
25) 2-Butanone	6.84	43	2224	0.52	ug/l	99
29) Tetrahydrofuran	7.22	42	1108	0.49	ug/l	# 88
31) Cyclohexane	7.67	56	11450	0.30	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	44682	3.75	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	57552	4.64	ug/l	# 17
43) Isopropyl Acetate	8.17	43	335068	22.65	ug/l	93
48) Methyl methacrylate	9.18	41	8208	1.11	ug/l	# 23
51) 4-Methyl-2-Pentanone	9.99	43	2506	0.24	ug/l	92
56) Ethyl methacrylate	10.64	69	714	1.77	ug/l	# 1
59) 2-Hexanone	10.77	43	21408	2.88	ug/l	# 58
71) Bromoform	12.40	173	3192	0.51	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	206568	31.15	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	4971	0.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	206568	109.46	ug/l	# 13

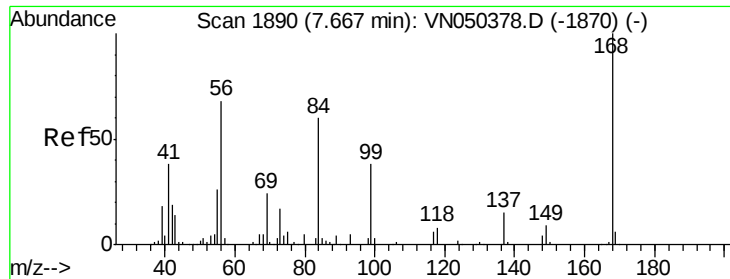
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

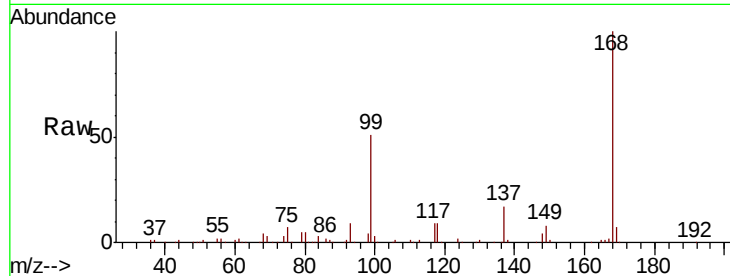
PB111921ZHE#07

Tot Ion:168 Resp: 643989

Ion Ratio Lower Upper

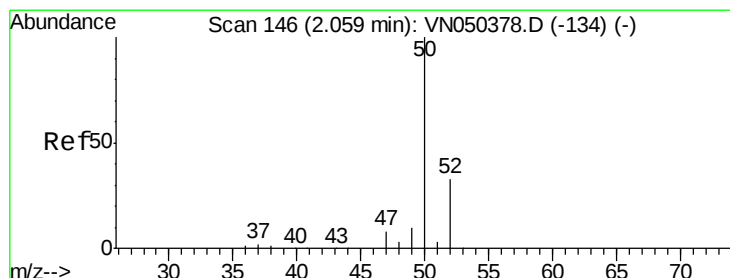
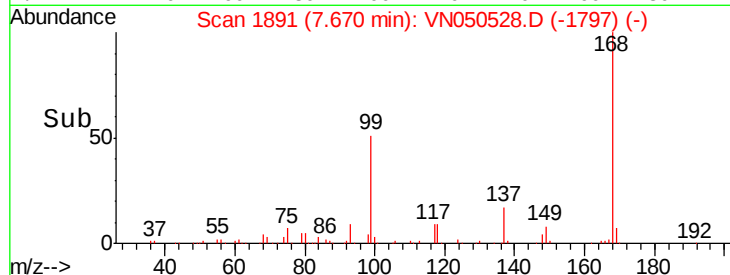
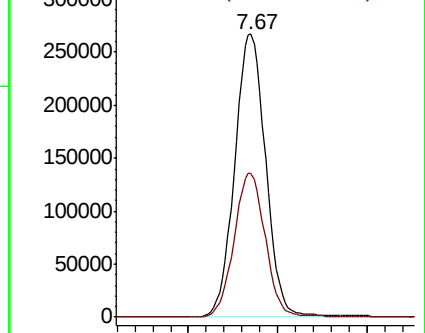
168 100

99 50.8 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# 146

Delta R.T. 0.00 min

Lab File: VN050528.D

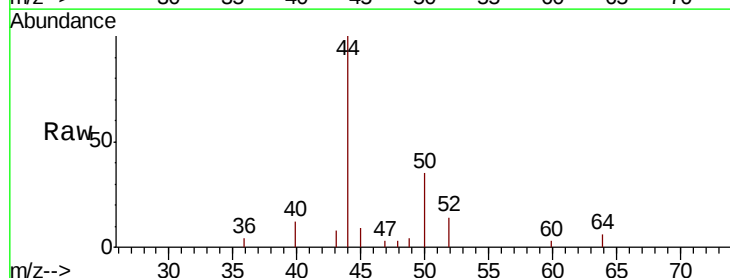
Acq: 10 Aug 2018 19:30

Tgt Ion: 50 Resp: 3021

Ion Ratio Lower Upper

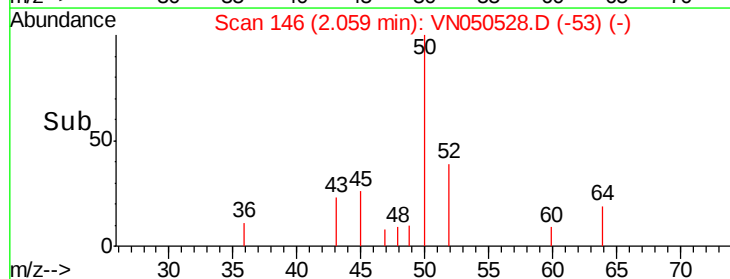
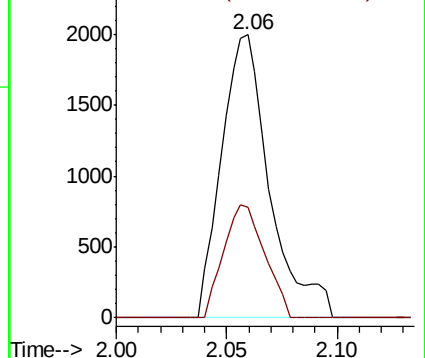
50 100

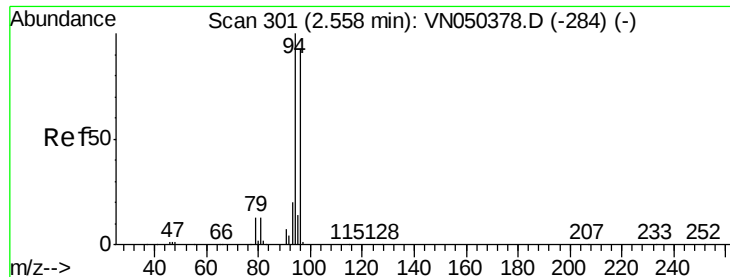
52 38.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.87 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

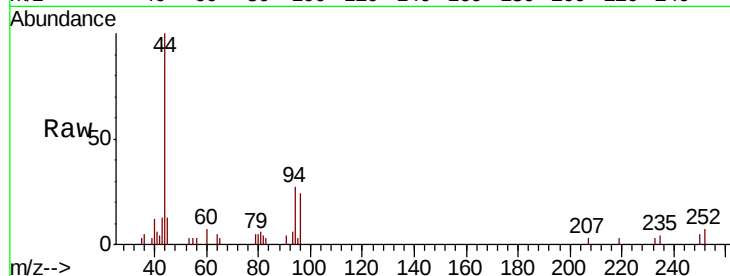
PB111921ZHE#07

Tot Ion: 94 Resp: 3139

Ion Ratio Lower Upper

94 100

96 89.3 74.6 112.0



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

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

1500

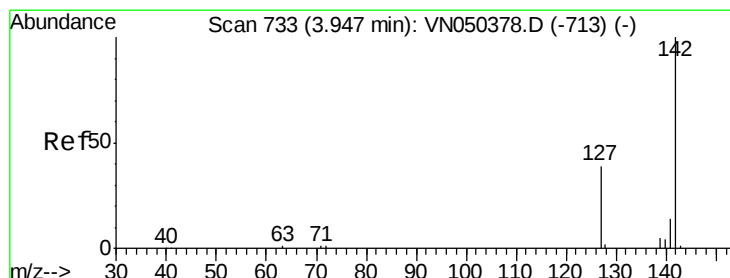
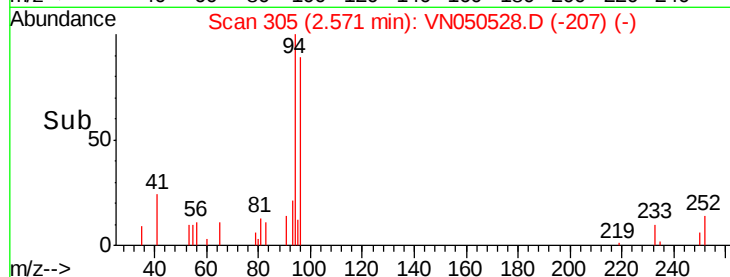
1000

500

0

2.55 2.60

Time-->



#10

Methyl Iodide

Concen: 0.29 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.02 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

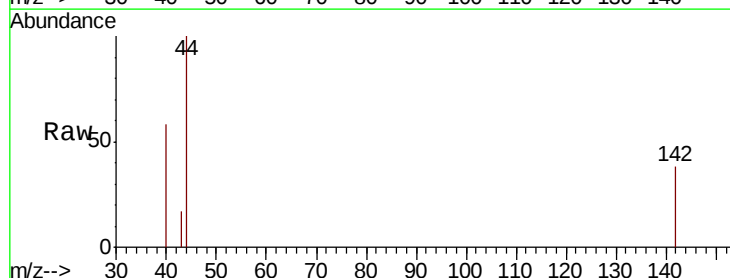
Tgt Ion: 142 Resp: 956

Ion Ratio Lower Upper

142 100

127 6.6 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.96

600

500

400

300

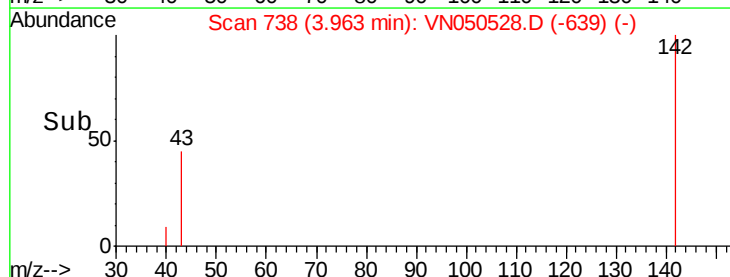
200

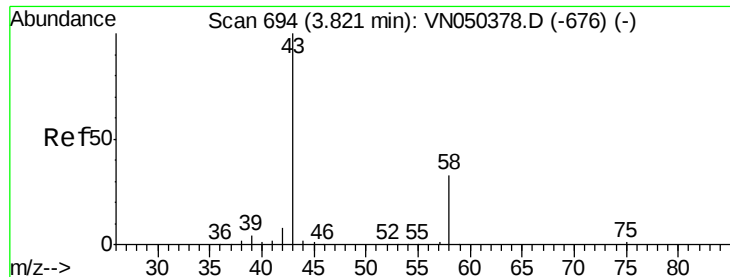
100

0

3.90 3.95 4.00

Time-->





#16

Acetone

Concen: 7.23 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

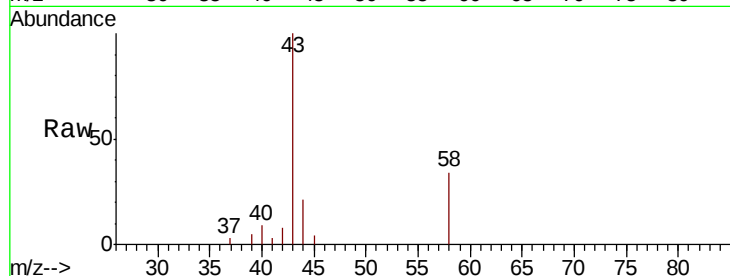
PB111921ZHE#07

Tot Ion: 43 Resp: 19449

Ion Ratio Lower Upper

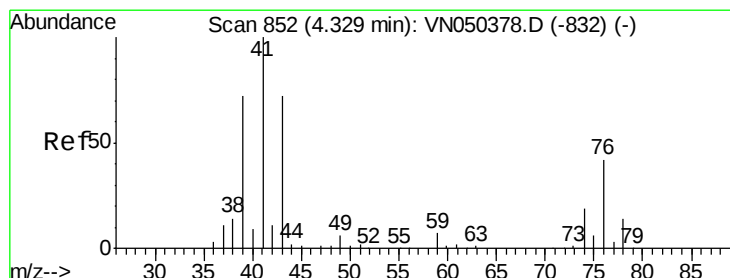
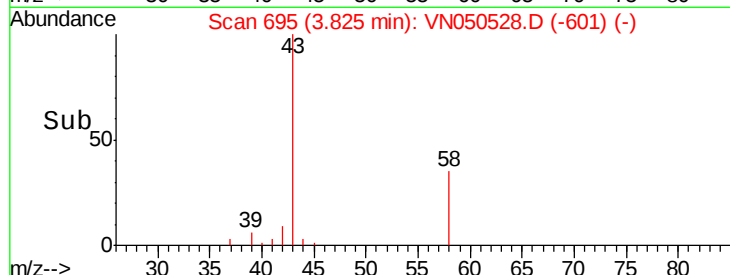
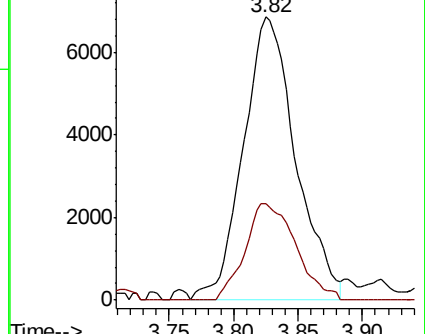
43 100

58 34.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050528.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN050528.D (-601) (-)



#18

Methyl Acetate

Concen: 2.06 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050528.D

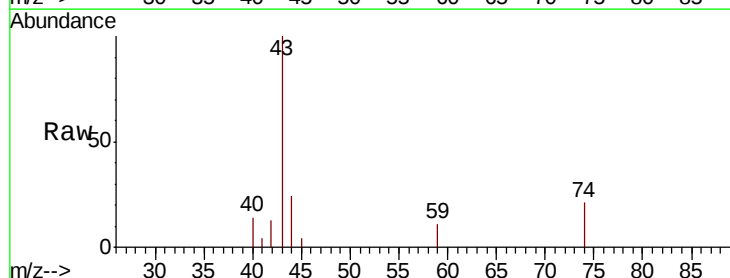
Acq: 10 Aug 2018 19:30

Tgt Ion: 43 Resp: 14952

Ion Ratio Lower Upper

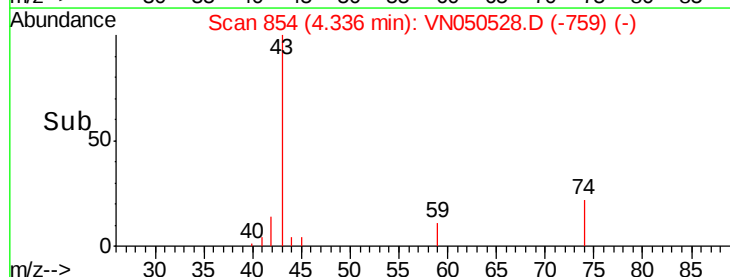
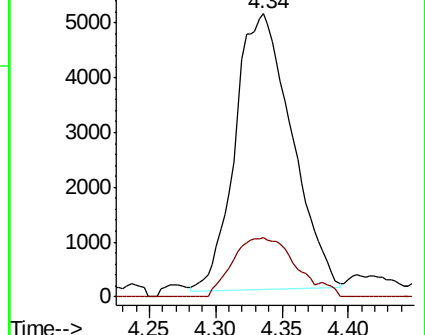
43 100

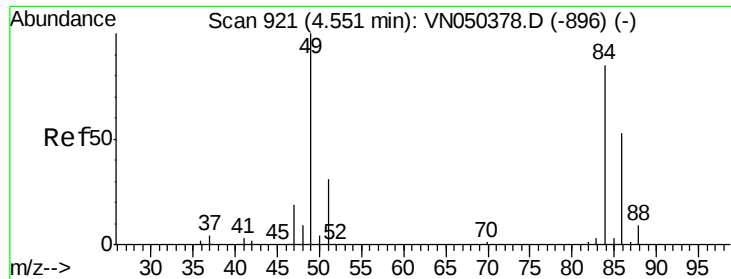
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050528.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN050528.D (-759) (-)

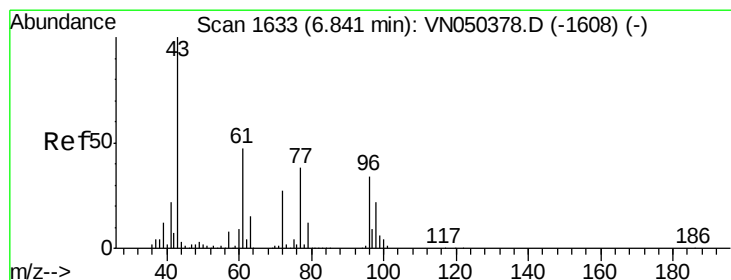
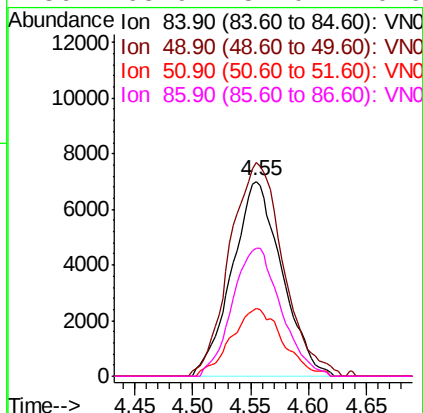
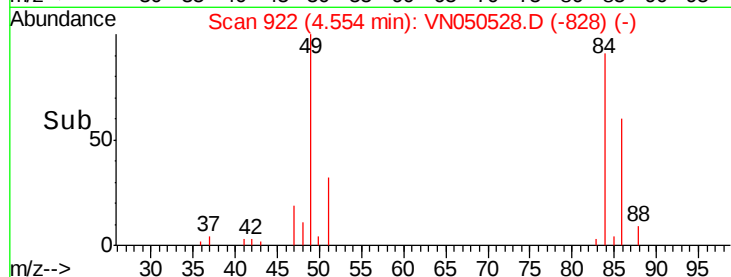
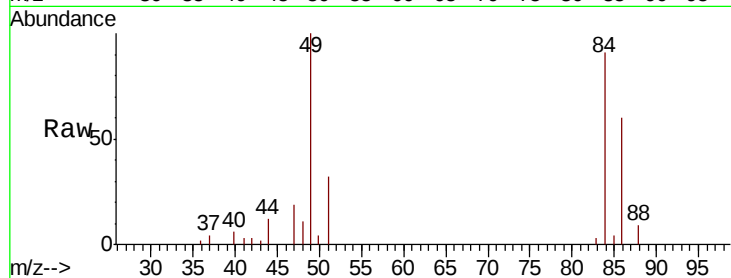




#20
Methvlene Chloride
Concen: 1.16 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

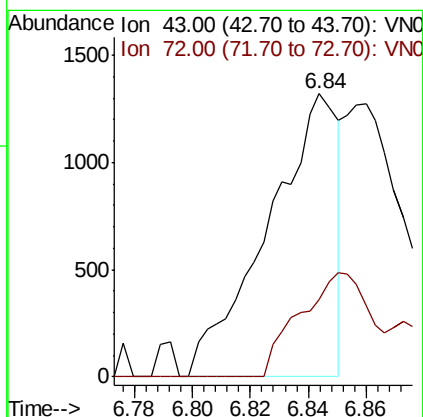
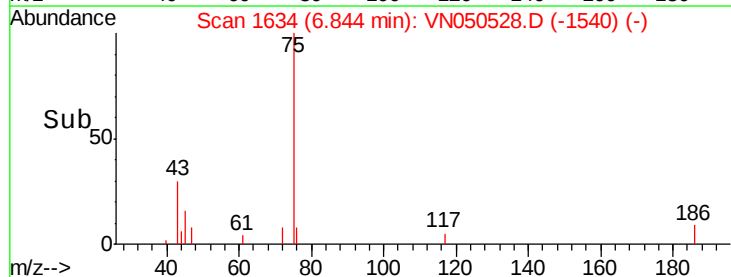
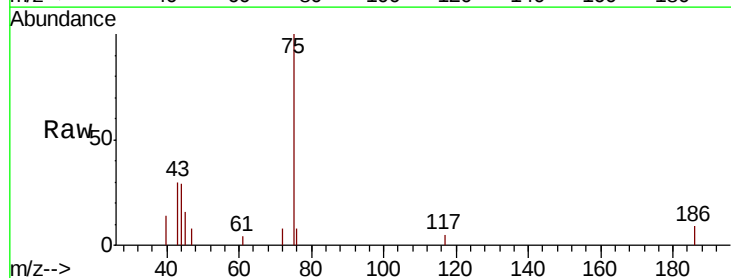
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#07

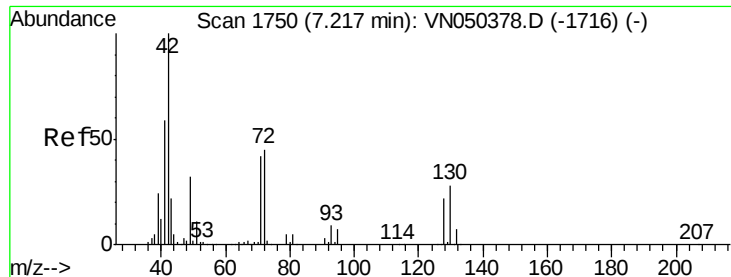
Tot Ion: 84 Resp: 20996
Ion Ratio Lower Upper
84 100
49 109.5 94.8 142.2
51 34.7 28.3 42.5
86 65.9 51.0 76.6



#25
2-Butanone
Concen: 0.52 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3





#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#07

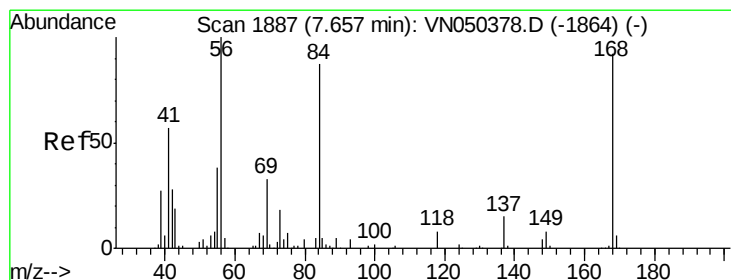
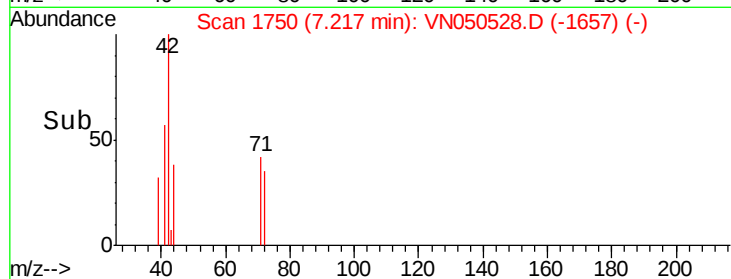
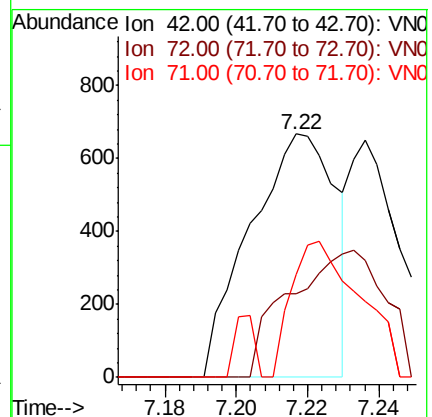
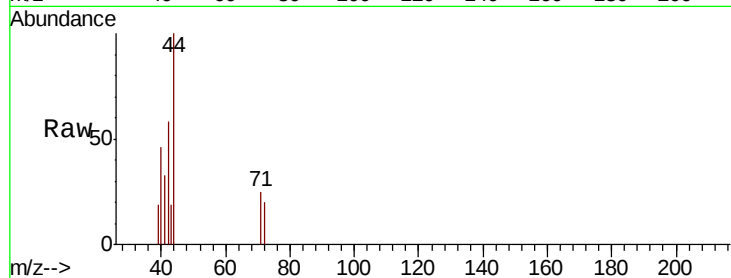
Tot Ion: 42 Resp: 1108

Ion Ratio Lower Upper

42 100

72 57.9 35.9 53.9#

71 44.7 33.7 50.5



#31

Cyclohexane

Concen: 0.30 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

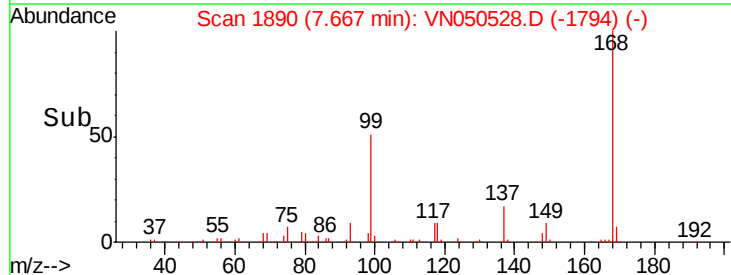
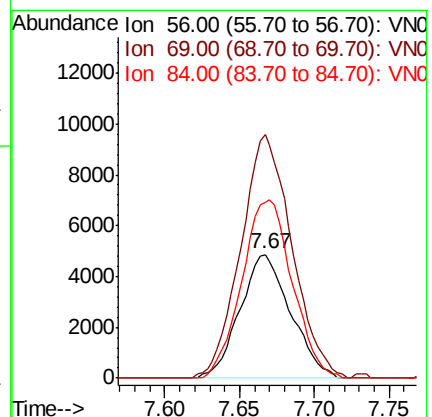
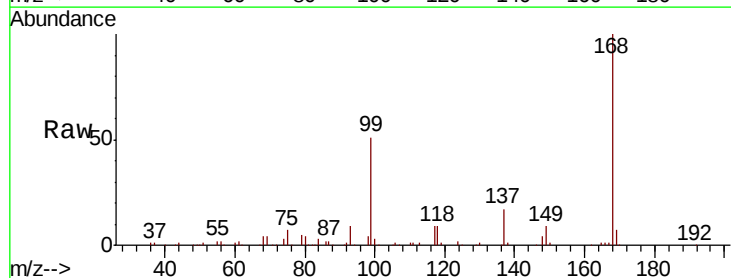
Tgt Ion: 56 Resp: 11450

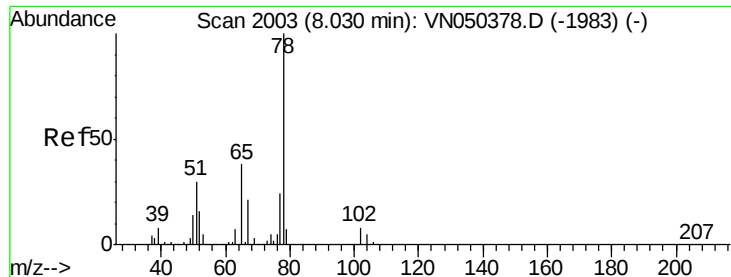
Ion Ratio Lower Upper

56 100

69 197.0 26.2 39.4#

84 142.7 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 52.32 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

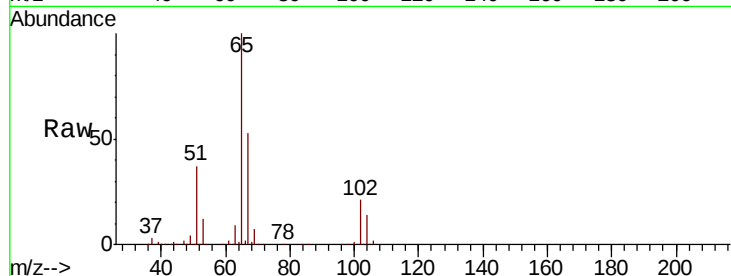
PB111921ZHE#07

Tot Ion: 65 Resp: 450131

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

150000

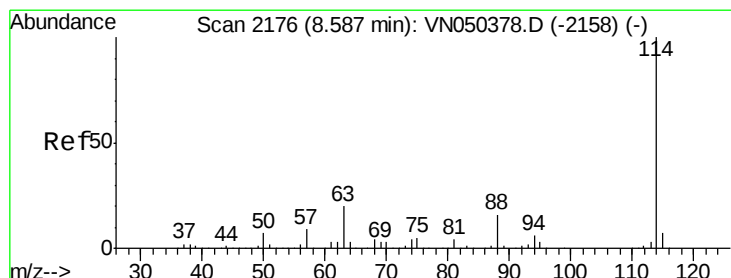
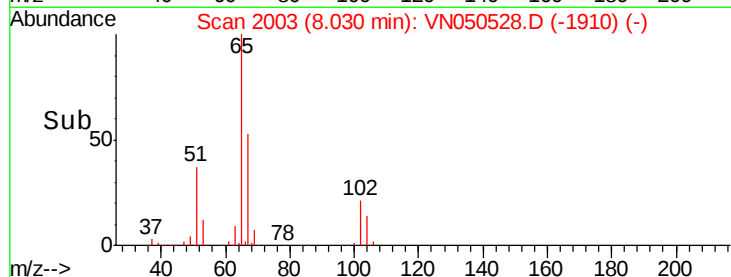
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

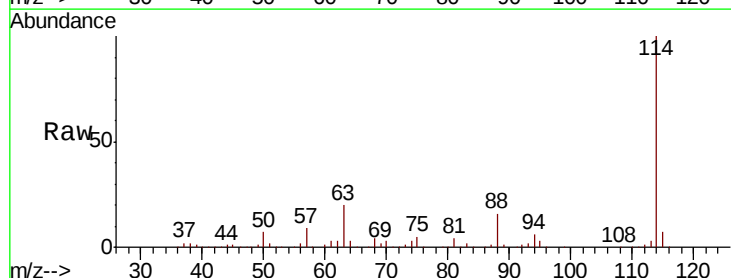
Tgt Ion:114 Resp: 1083201

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

600000

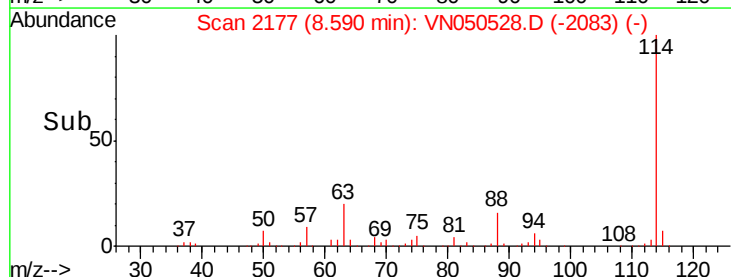
400000

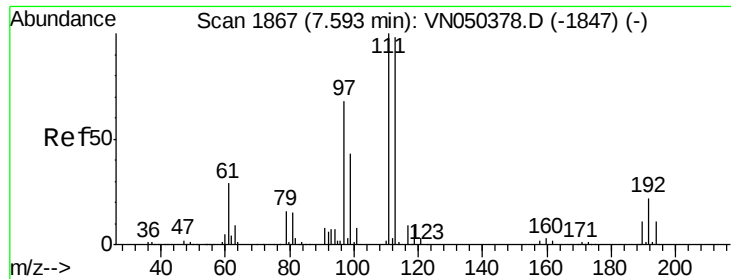
200000

0

8.50 8.60 8.70

Time-->

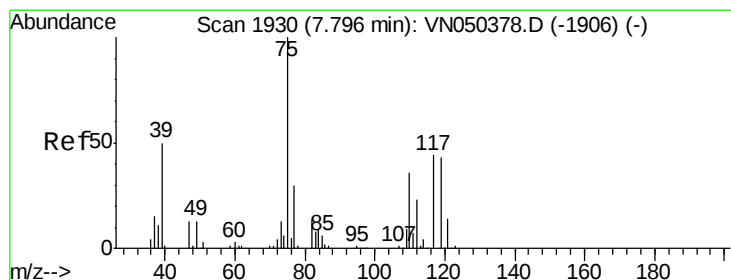
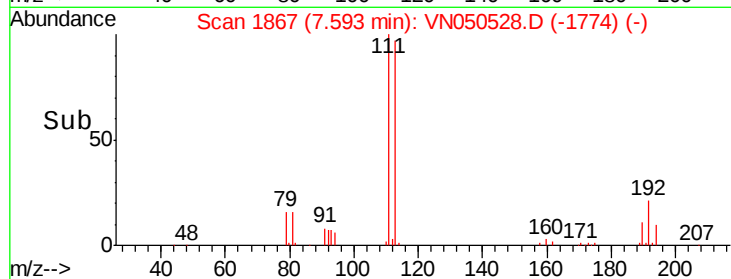
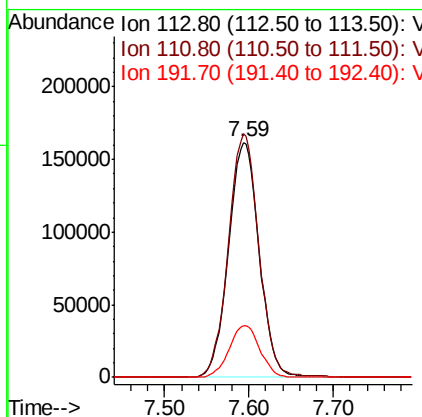
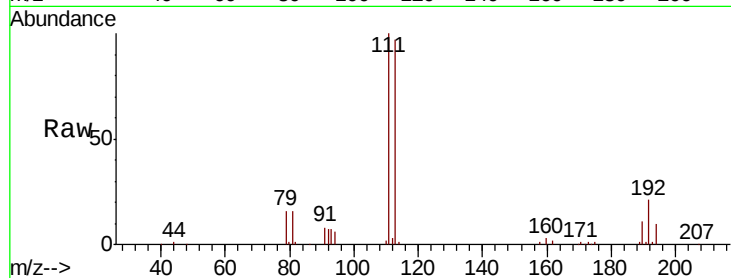




#35
 Dibromofluoromethane
 Concen: 47.00 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

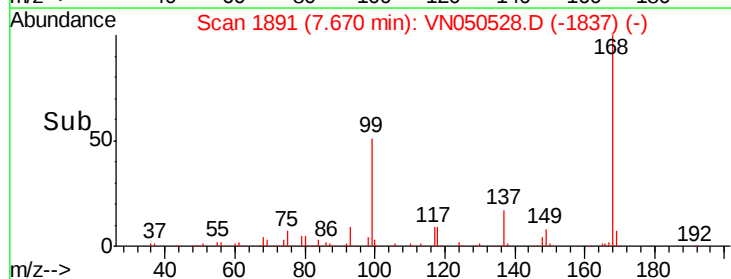
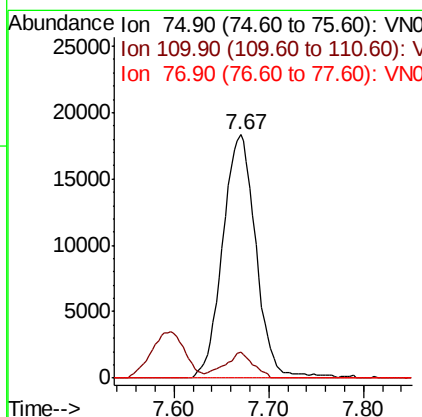
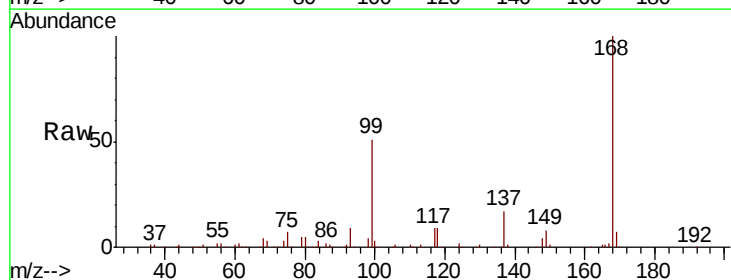
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#07

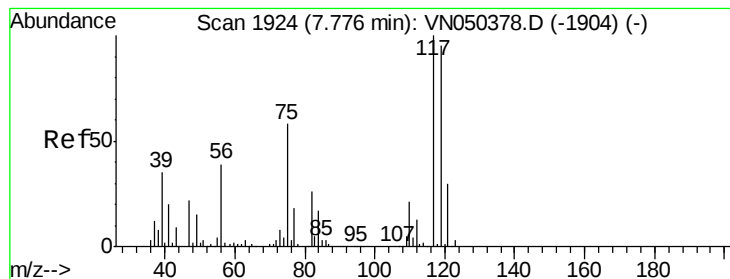
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.7	121.1
192	22.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.2#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#07

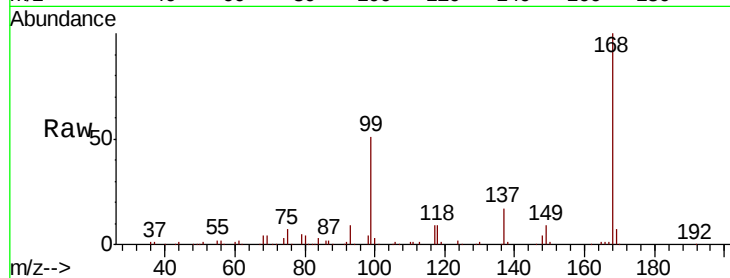
Tot Ion:117 Resp: 57552

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

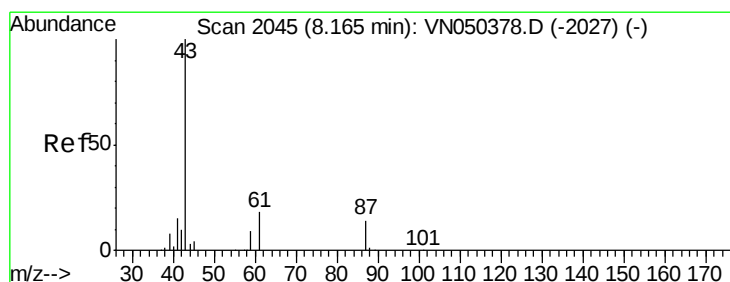
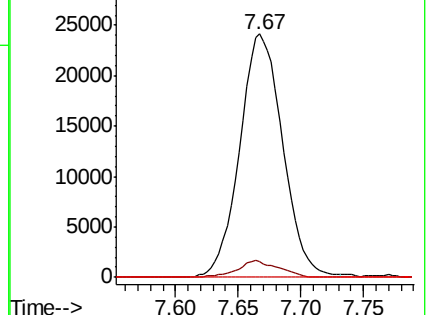
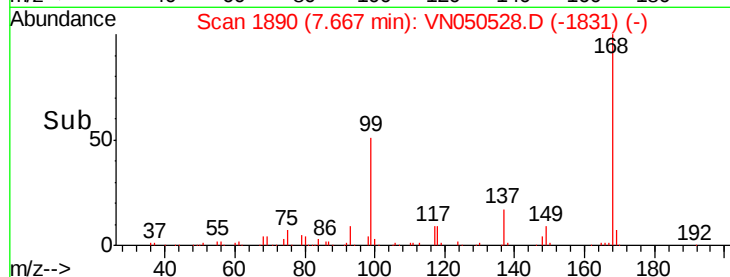
121 0.0 23.9 35.9#



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: 22.65 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

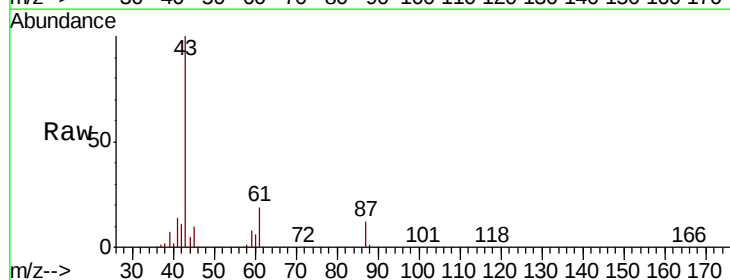
Tgt Ion: 43 Resp: 335068

Ion Ratio Lower Upper

43 100

61 16.3 15.8 23.6

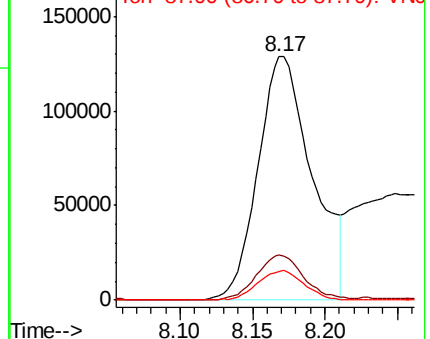
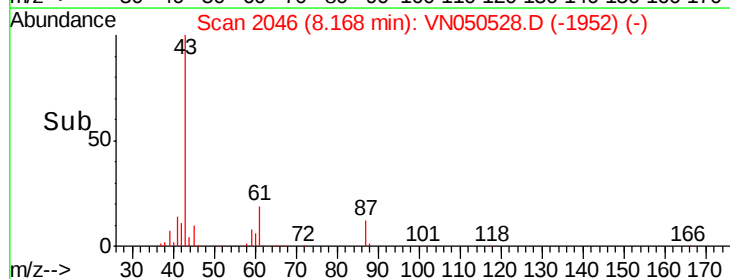
87 10.5 10.3 15.5

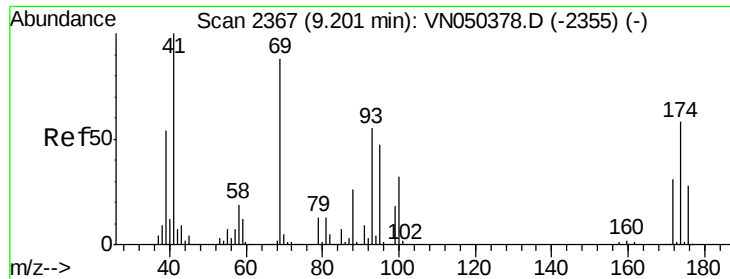


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

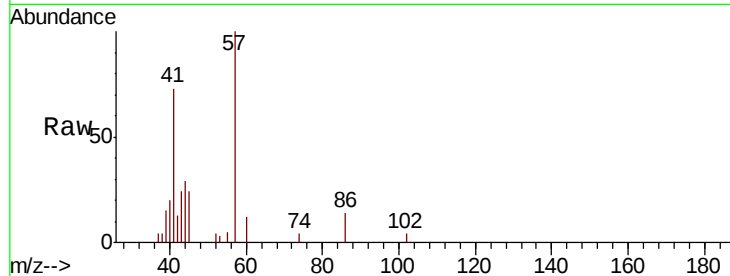




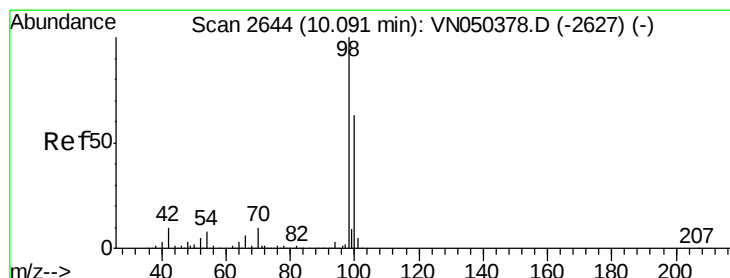
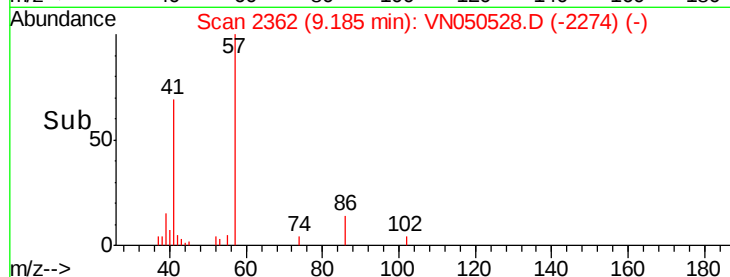
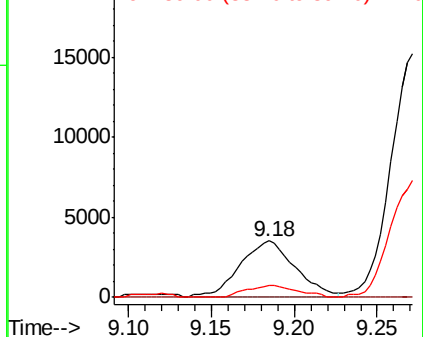
#48
Methvl methacrylate
Concen: 1.11 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#07

Tot Ion: 41 Resp: 8208
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 19.4 43.9 65.9#

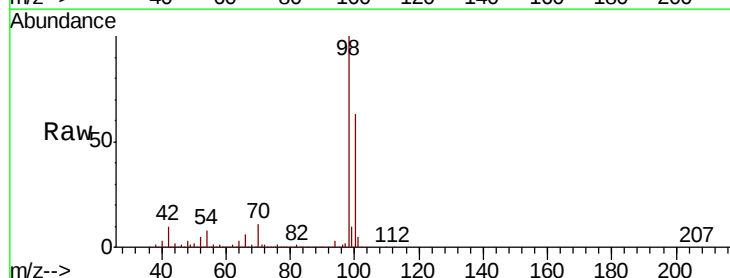


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

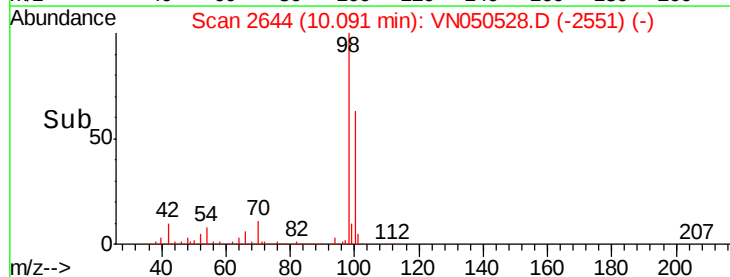
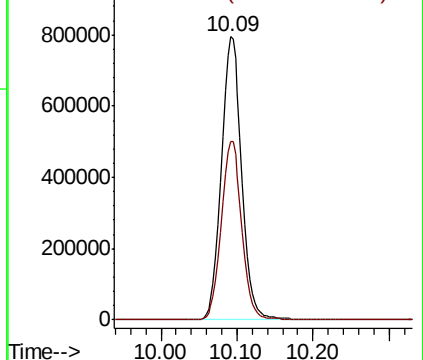


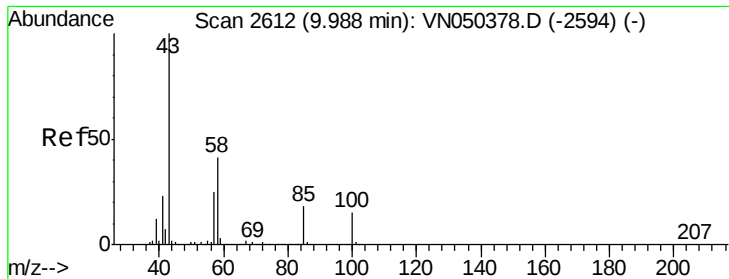
#50
Toluene-d8
Concen: 45.15 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

Tgt Ion: 98 Resp: 1475602
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



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

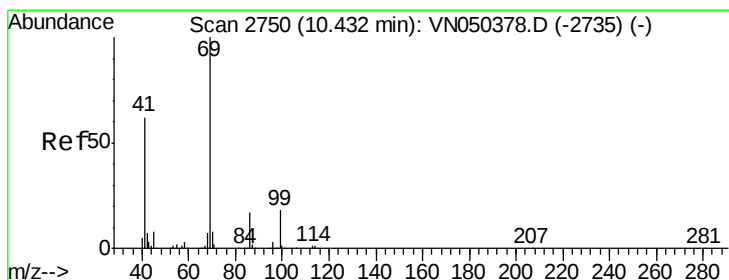
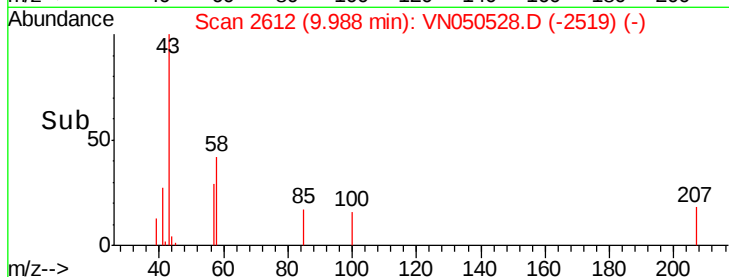
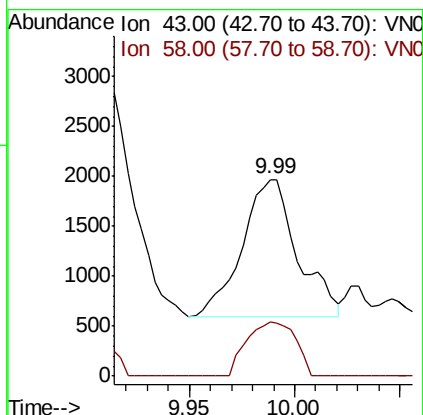
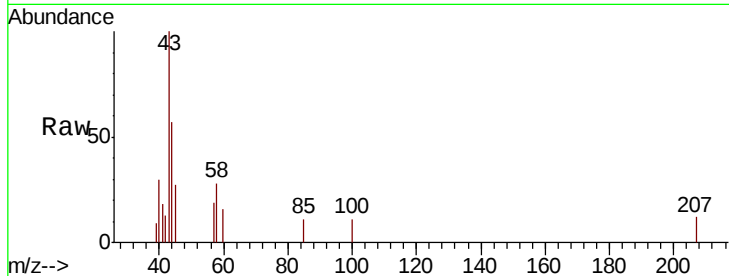




#51
 4-Methyl-2-Pentanone
 Concen: 0.24 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

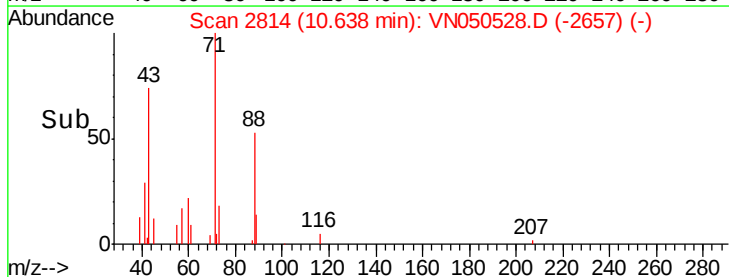
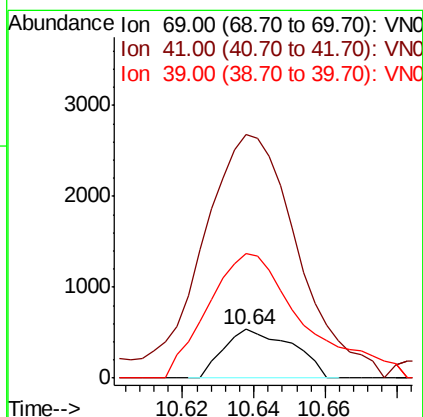
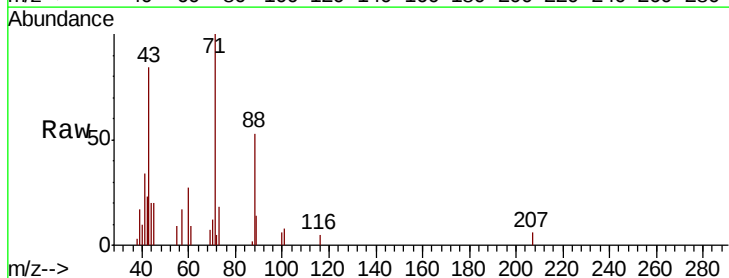
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#07

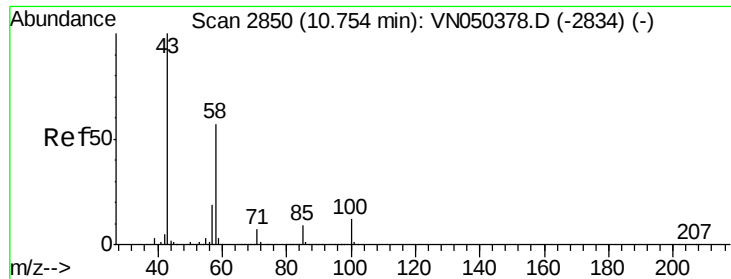
Tot Ion: 43 Resp: 2506
 Ion Ratio Lower Upper
 43 100
 58 34.7 31.9 47.9



#56
 Ethyl methacrylate
 Concen: 1.77 ug/l
 RT: 10.64 min Scan# 2814
 Delta R.T. 0.21 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

Tgt Ion: 69 Resp: 714
 Ion Ratio Lower Upper
 69 100
 41 692.7 51.0 76.4#
 39 356.2 26.6 40.0#

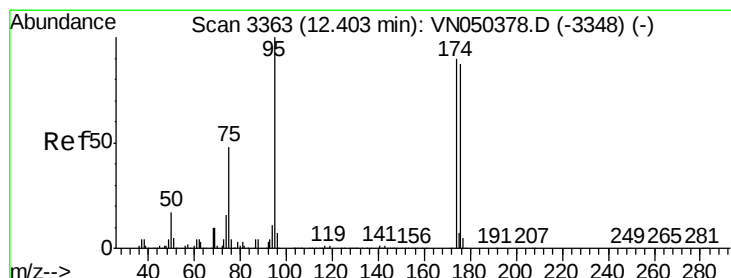
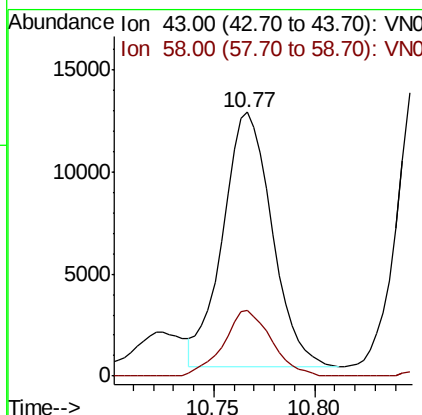
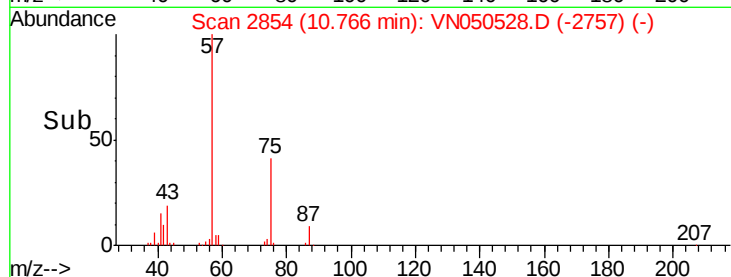
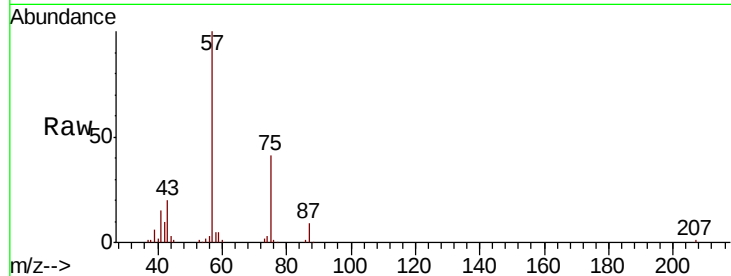




#59
 2-Hexanone
 Concen: 2.88 ug/l
 RT: 10.77 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

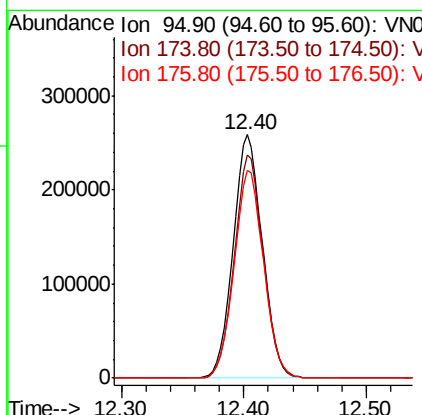
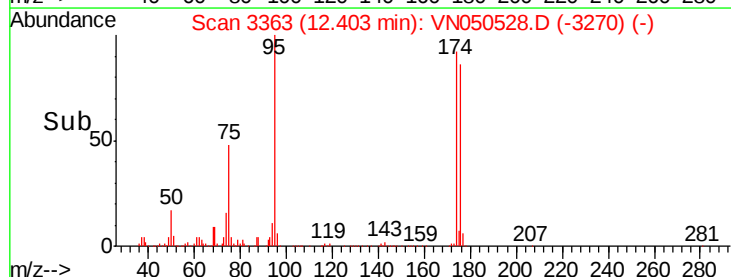
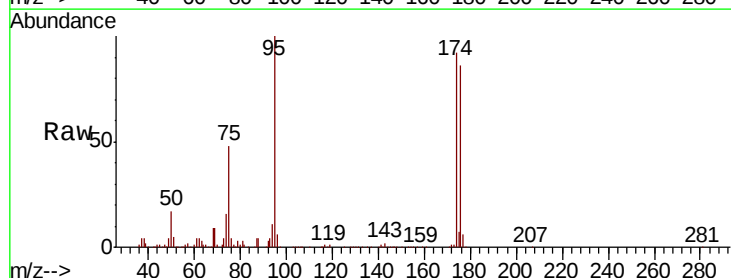
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#07

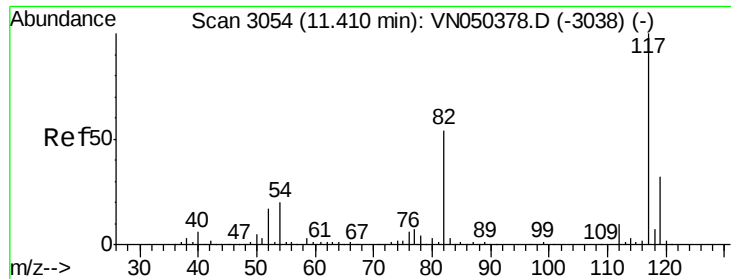
Tot Ion: 43 Resp: 21408
 Ion Ratio Lower Upper
 43 100
 58 24.9 27.6 82.7#



#62
 4-Bromofluorobenzene
 Concen: 38.44 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050528.D
 Acq: 10 Aug 2018 19:30

Tgt Ion: 95 Resp: 428089
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 178.2
 176 86.1 0.0 173.4

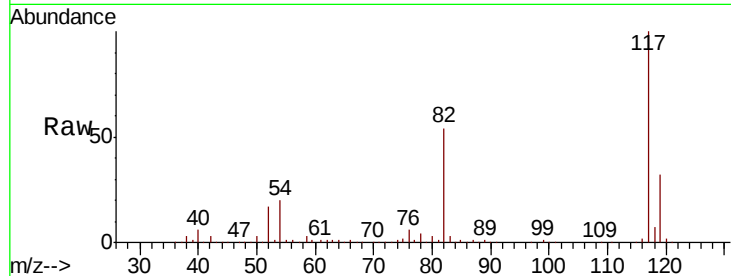




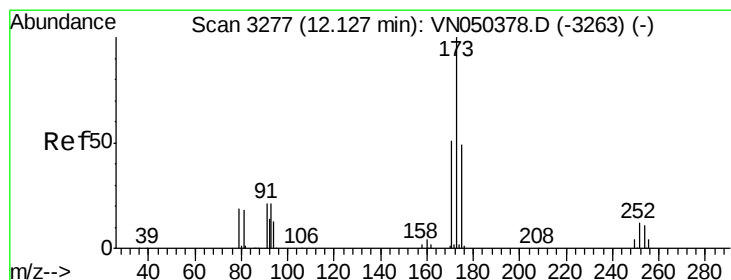
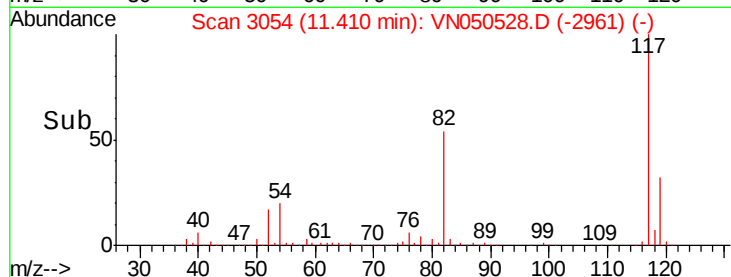
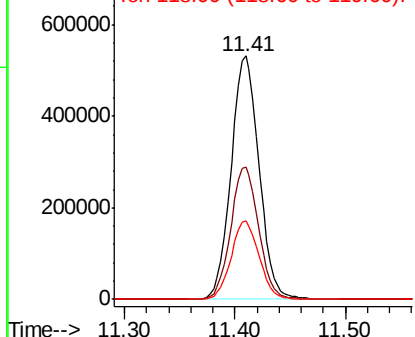
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#07

Tot Ion:117 Resp: 933174
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.0 26.1 39.1

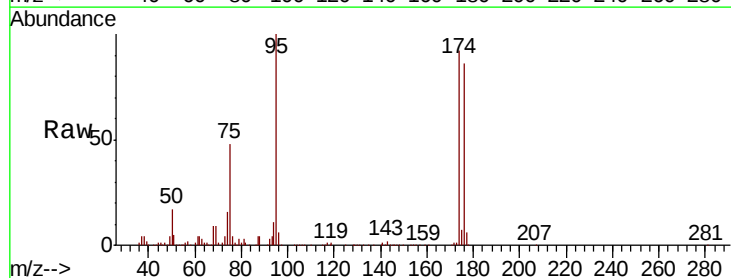


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

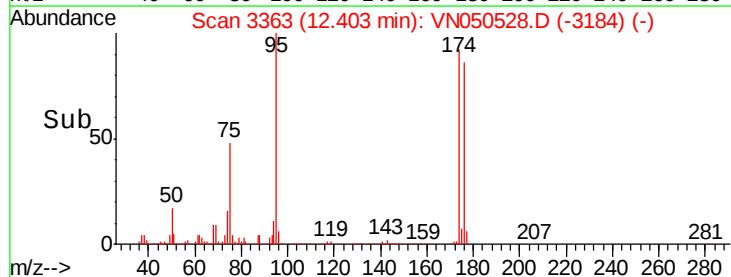
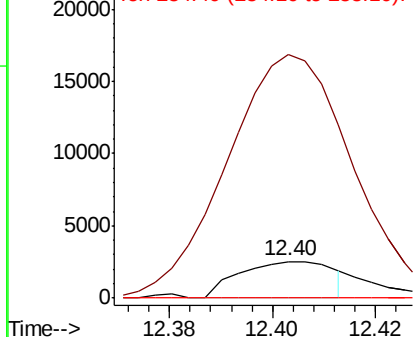


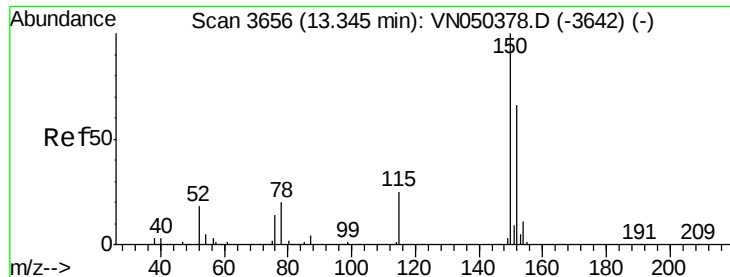
#71
Bromoform
Concen: 0.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050528.D
Acq: 10 Aug 2018 19:30

Tgt Ion:173 Resp: 3192
Ion Ratio Lower Upper
173 100
175 747.2 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: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#07

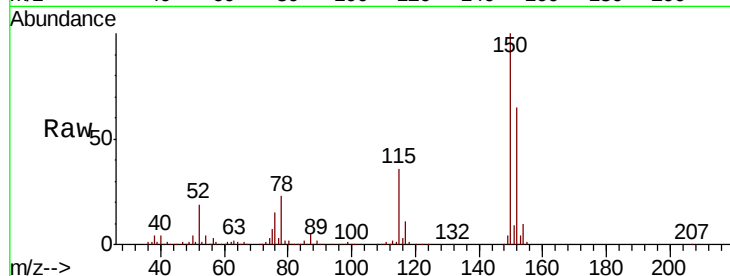
Tot Ion:152 Resp: 366304

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

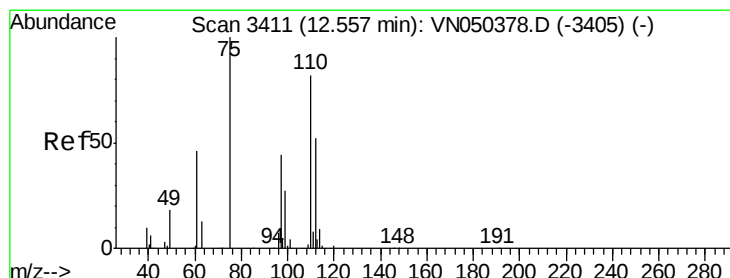
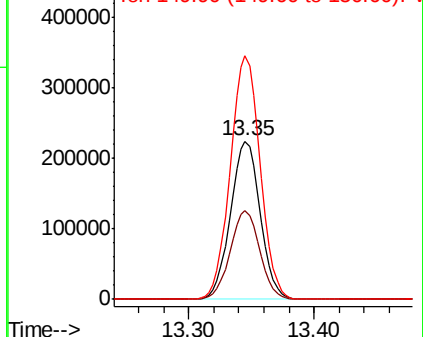
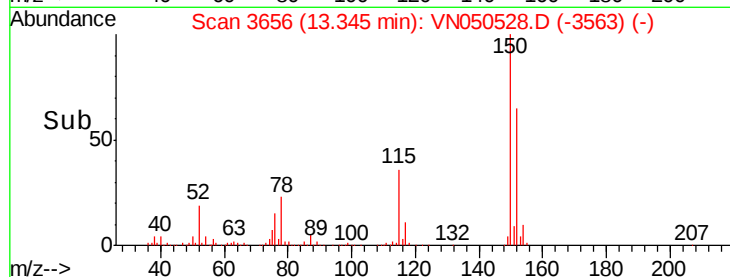
150 155.2 0.0 348.6



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: 31.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050528.D

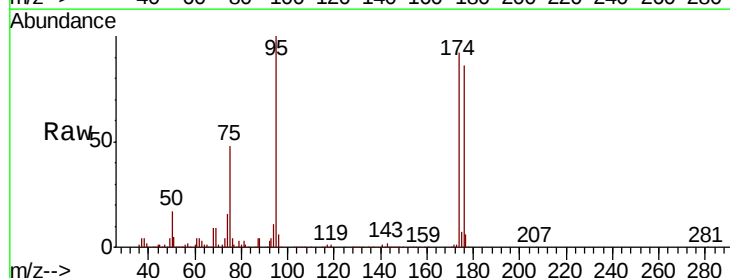
Acq: 10 Aug 2018 19:30

Tgt Ion: 75 Resp: 206568

Ion Ratio Lower Upper

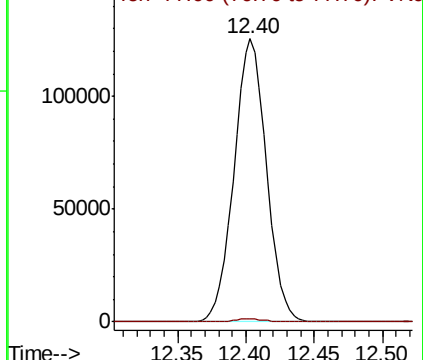
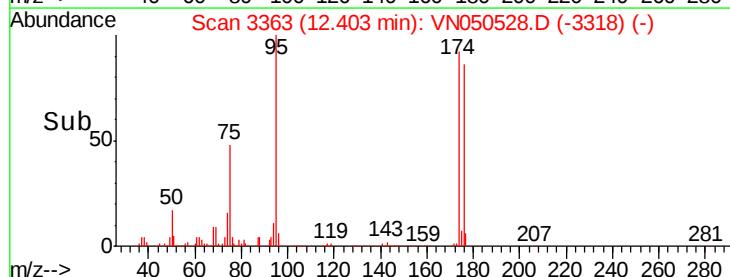
75 100

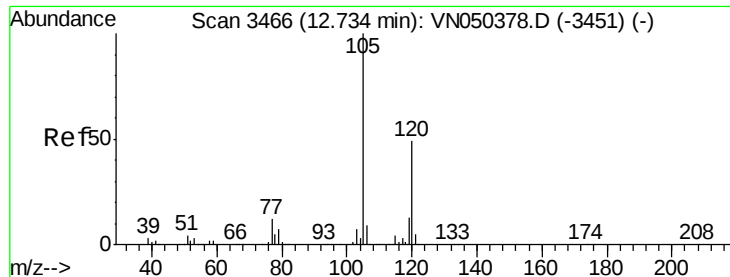
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

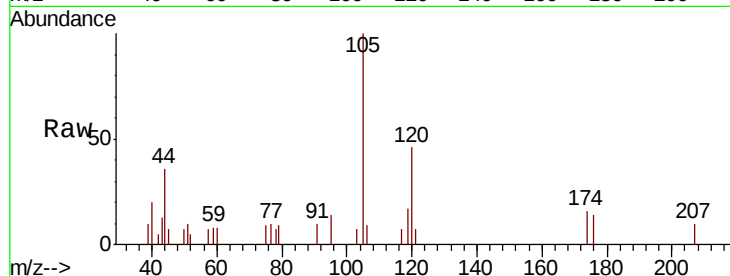
PB111921ZHE#07

Tot Ion:105 Resp: 4971

Ion Ratio Lower Upper

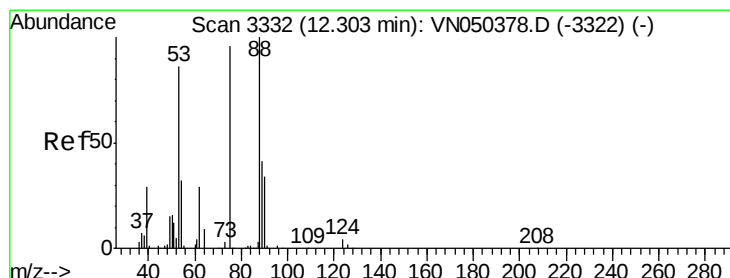
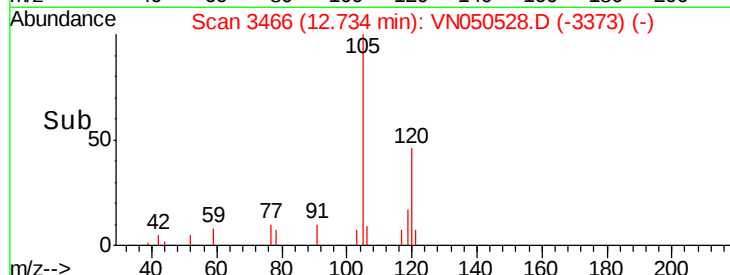
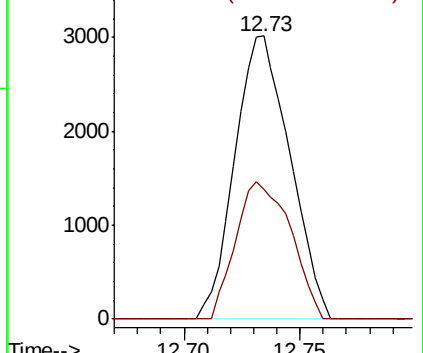
105 100

120 48.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 109.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050528.D

Acq: 10 Aug 2018 19:30

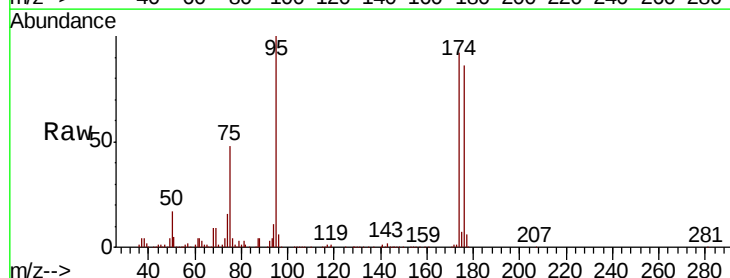
Tgt Ion: 75 Resp: 206568

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

