

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051197.D
 Acq On : 14 Sep 2018 18:04
 Operator : MD\SY
 Sample : PB112829ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112829ZHE#07

Quant Time: Sep 15 00:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	915272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234877	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	344380	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	
35) Dibromofluoromethane	7.59	113	341546	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.09	98	1211744	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	12.40	95	309024	35.80	ug/l	0.00
Spiked Amount			Recovery	=	71.60%	

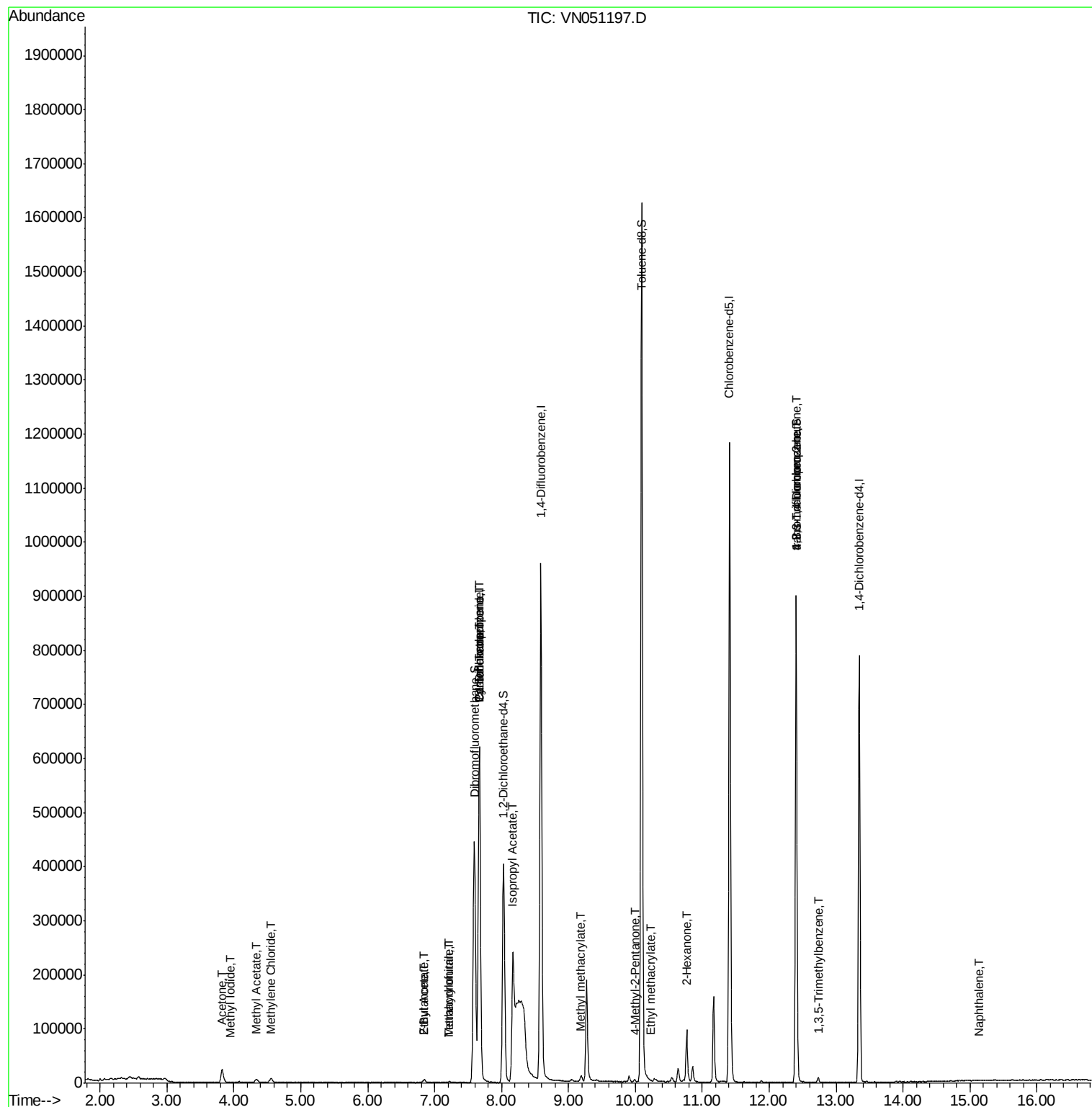
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1899	Below Cal	#	81
5) Bromomethane	2.57	94	2282	Below Cal		98
10) Methyl Iodide	3.95	142	383	5.69	ug/l #	44
16) Acetone	3.82	43	39618	20.49	ug/l	97
18) Methyl Acetate	4.34	43	14174	2.86	ug/l	92
20) Methylene Chloride	4.55	84	6393	0.93	ug/l	93
25) 2-Butanone	6.85	43	7808	3.20	ug/l #	86
29) Tetrahydrofuran	7.22	42	1315	0.86	ug/l #	52
31) Cyclohexane	7.67	56	9099	0.67	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	36112	3.59	ug/l #	48
37) Ethyl Acetate	6.85	43	7808	1.34	ug/l #	66
38) Carbon Tetrachloride	7.67	117	48369	4.89	ug/l #	17
41) Methacrylonitrile	7.22	41	728	0.24	ug/l #	31
43) Isopropyl Acetate	8.17	43	297277	28.95	ug/l #	80
48) Methyl methacrylate	9.18	41	6362	1.27	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	3555	0.63	ug/l #	76
56) Ethyl methacrylate	10.23	69	1522	2.62	ug/l #	42
59) 2-Hexanone	10.76	43	13114	3.41	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.40	83	63	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	146073	39.81	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4216	0.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	146073	118.11	ug/l #	15
95) Naphthalene	15.14	128	103	5.35	ug/l #	69

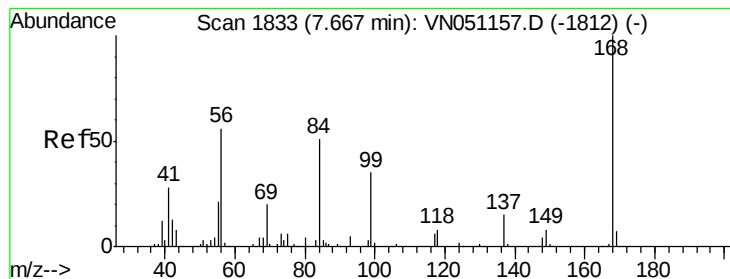
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051197.D
Acq On : 14 Sep 2018 18:04
Operator : MD\SY
Sample : PB112829ZHE#07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 15 00:09:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

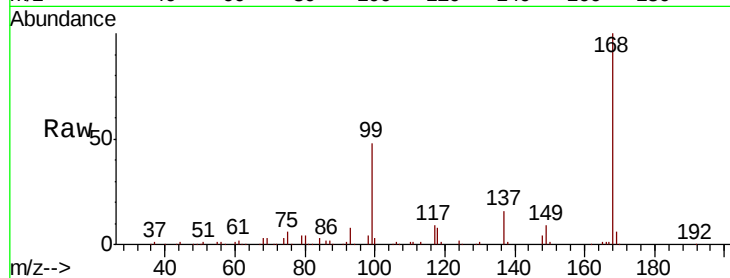
PB112829ZHE#07

Tot Ion:168 Resp: 556902

Ion Ratio Lower Upper

168 100

99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

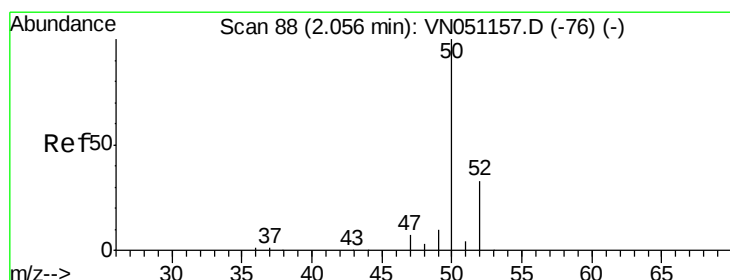
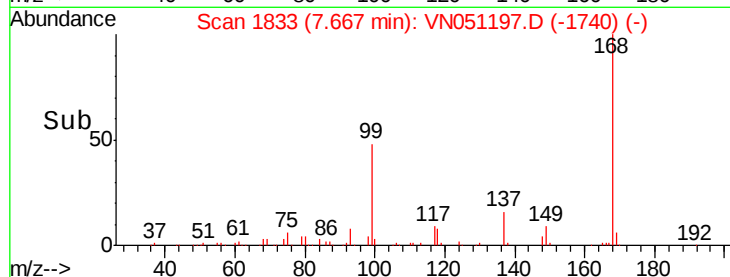
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051197.D

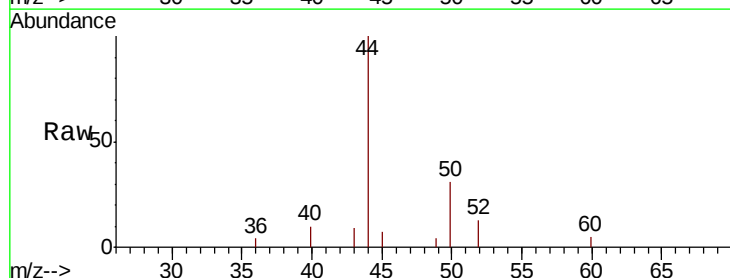
Acq: 14 Sep 2018 18:04

Tgt Ion: 50 Resp: 1899

Ion Ratio Lower Upper

50 100

52 43.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

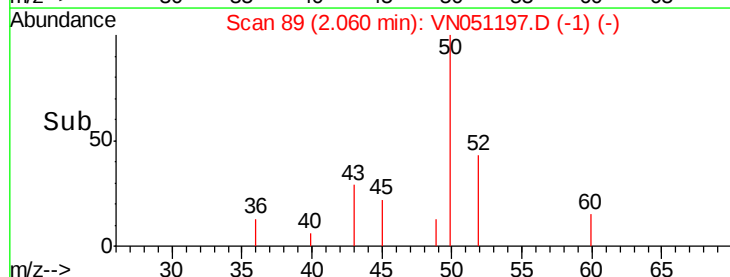
1500

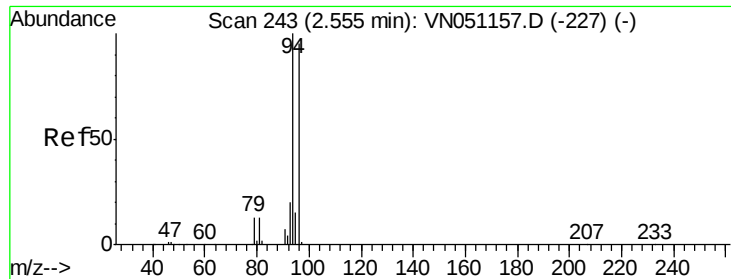
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

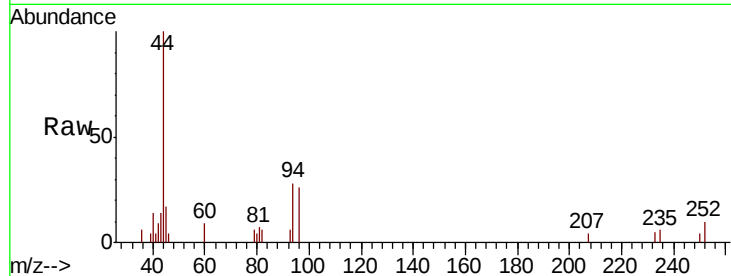
PB112829ZHE#07

Tot Ion: 94 Resp: 2282

Ion Ratio Lower Upper

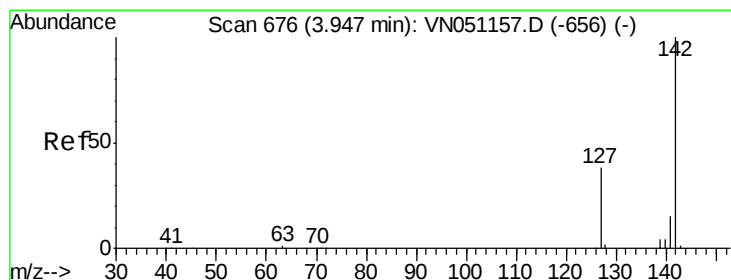
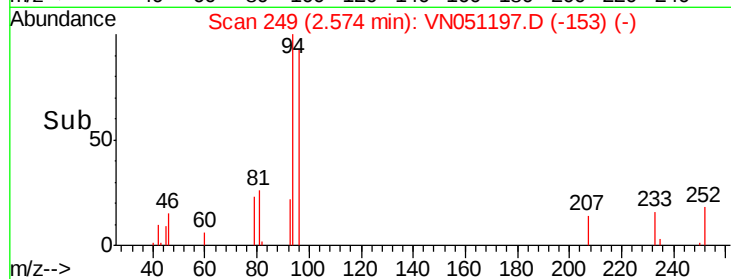
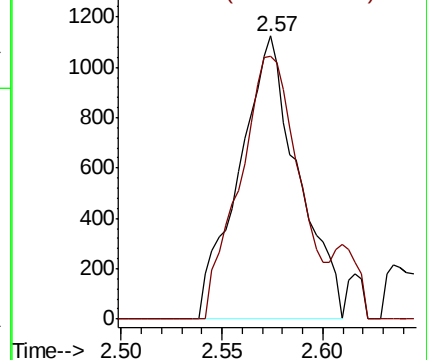
94 100

96 93.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 5.69 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

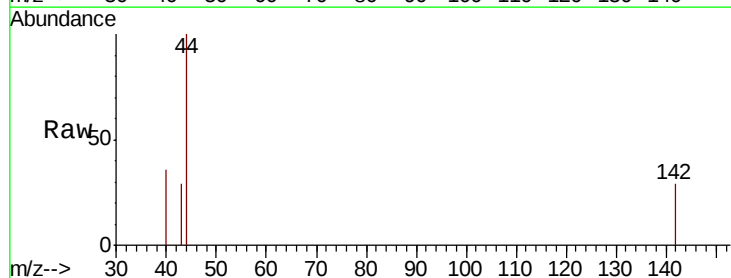
Tgt Ion: 142 Resp: 383

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

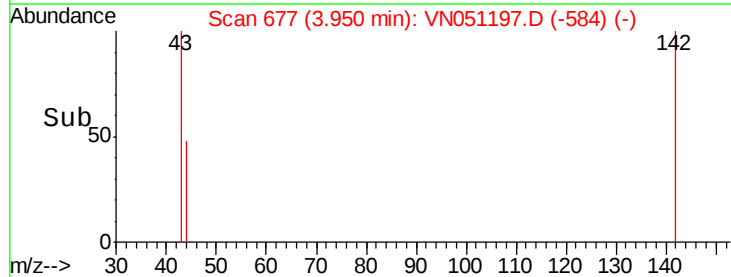
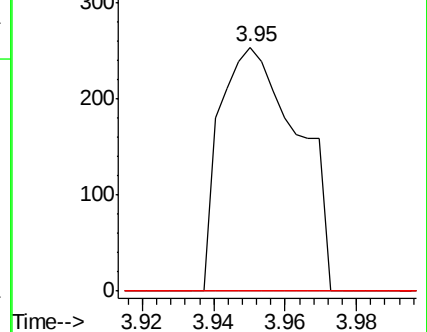
141 0.0 11.3 16.9#

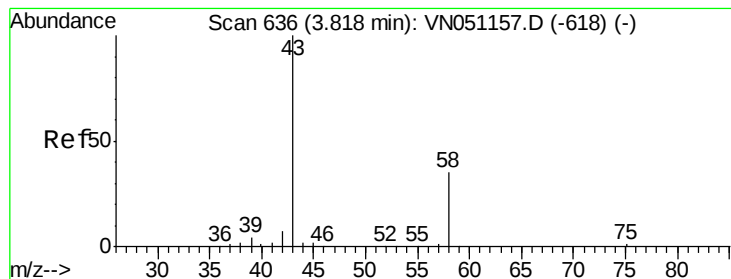


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 20.49 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

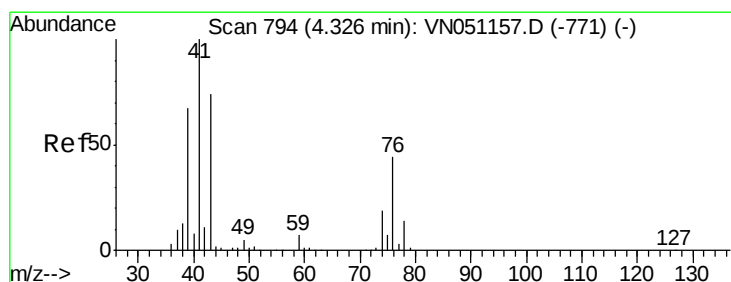
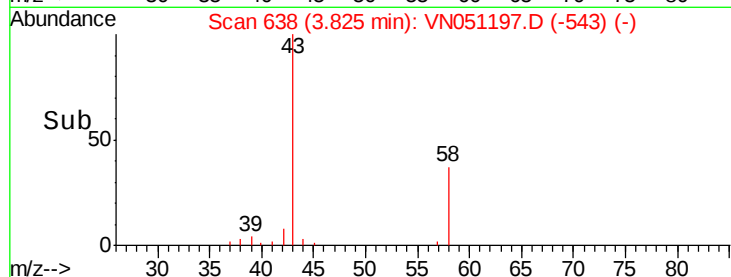
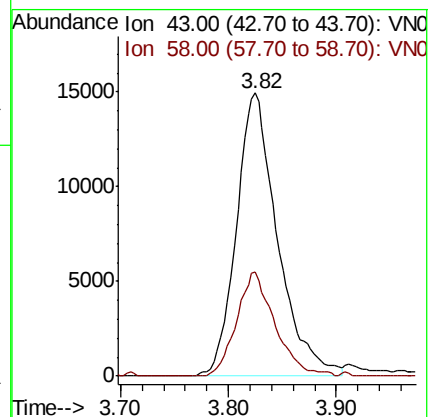
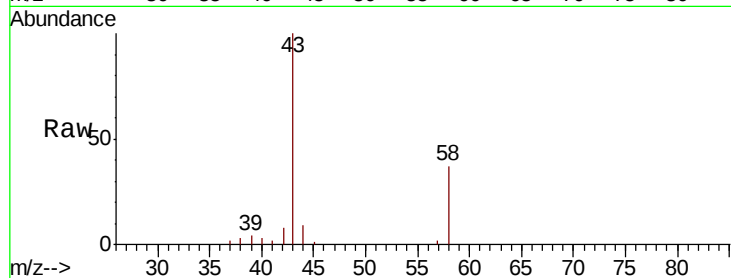
PB112829ZHE#07

Tot Ion: 43 Resp: 39618

Ion Ratio Lower Upper

43 100

58 36.7 27.8 41.6



#18

Methyl Acetate

Concen: 2.86 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051197.D

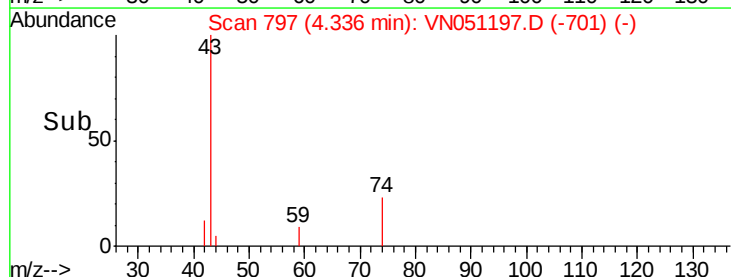
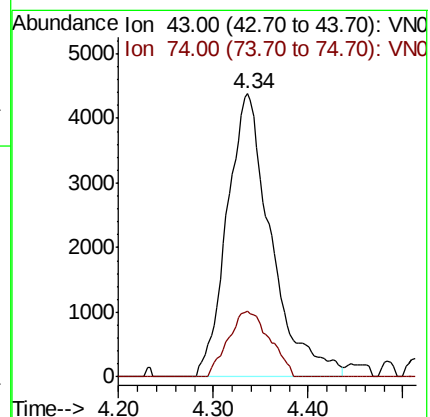
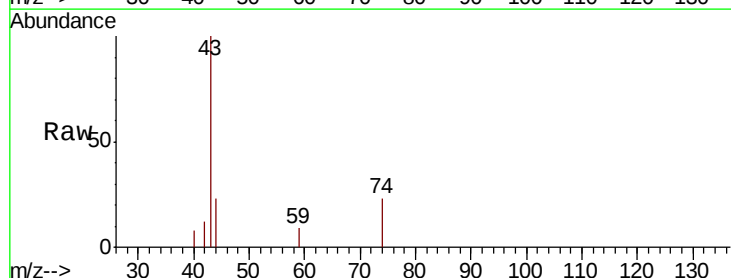
Acq: 14 Sep 2018 18:04

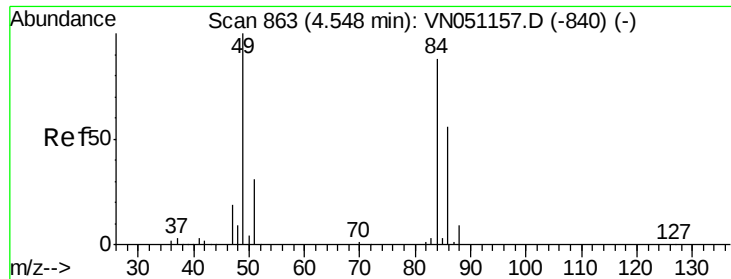
Tgt Ion: 43 Resp: 14174

Ion Ratio Lower Upper

43 100

74 21.9 20.7 31.1

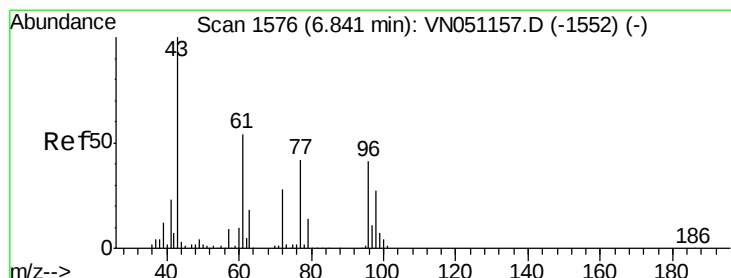
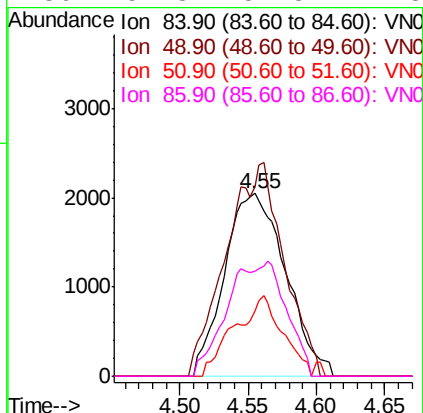
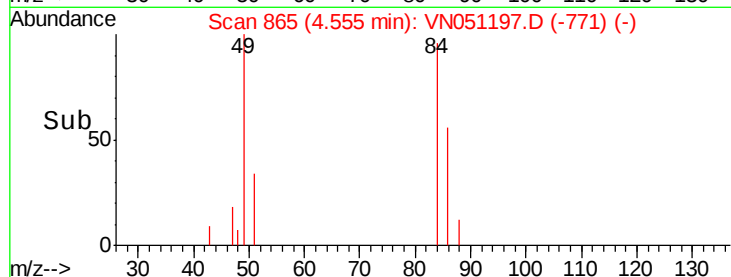
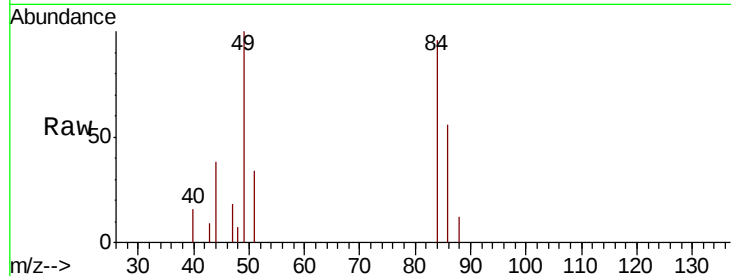




#20
Methvlene Chloride
Concen: 0.93 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

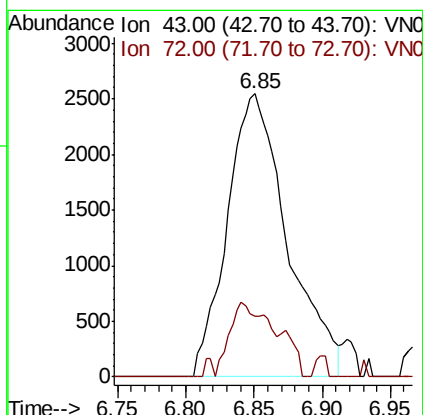
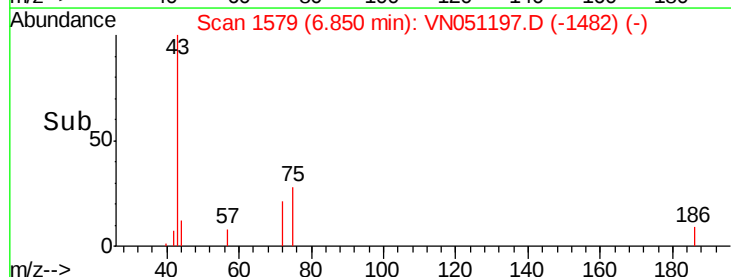
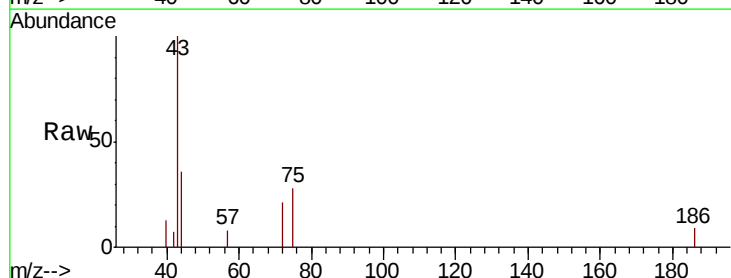
Instrument :
MSVOA_N
ClientSampleId :
PB112829ZHE#07

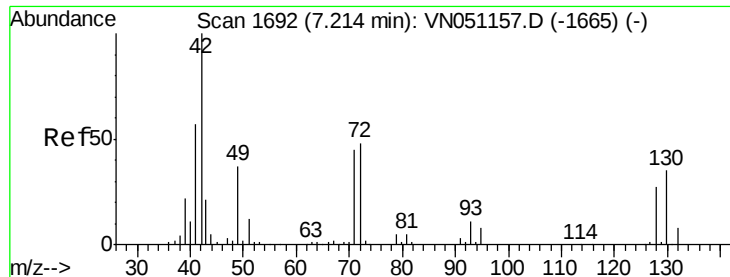
Tot Ion: 84 Resp: 6393
Ion Ratio Lower Upper
84 100
49 103.9 90.2 135.2
51 35.6 28.4 42.6
86 57.8 51.8 77.8



#25
2-Butanone
Concen: 3.20 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Tgt Ion: 43 Resp: 7808
Ion Ratio Lower Upper
43 100
72 21.3 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.86 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

PB112829ZHE#07

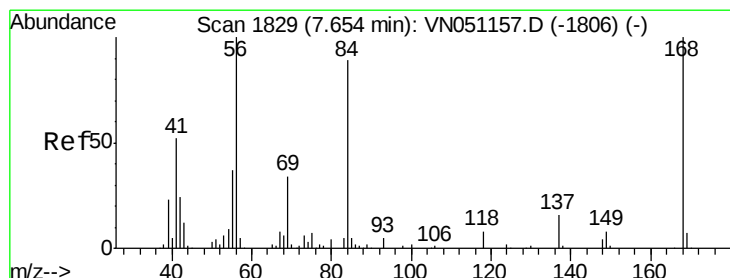
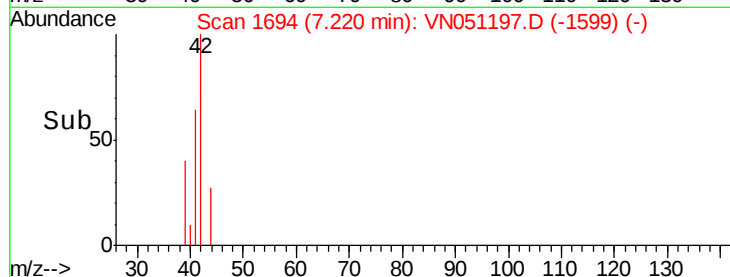
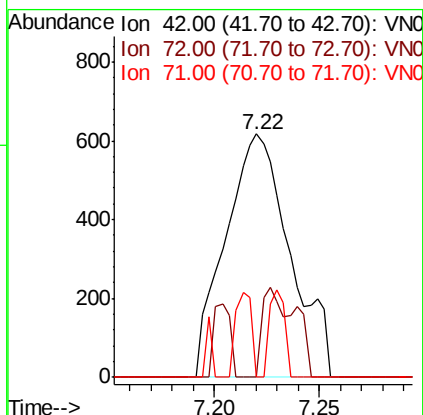
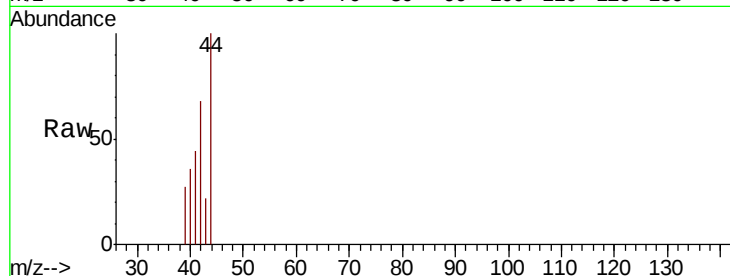
Tot Ion: 42 Resp: 1315

Ion Ratio Lower Upper

42 100

72 18.6 37.4 56.0#

71 8.7 34.7 52.1#



#31

Cyclohexane

Concen: 0.67 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

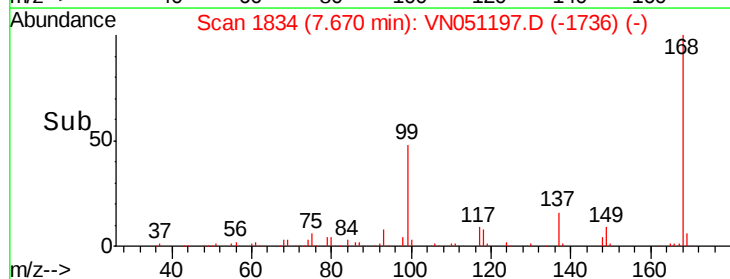
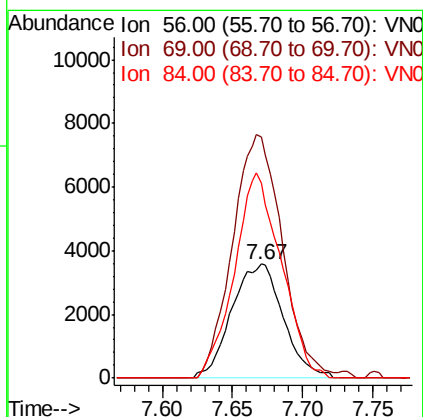
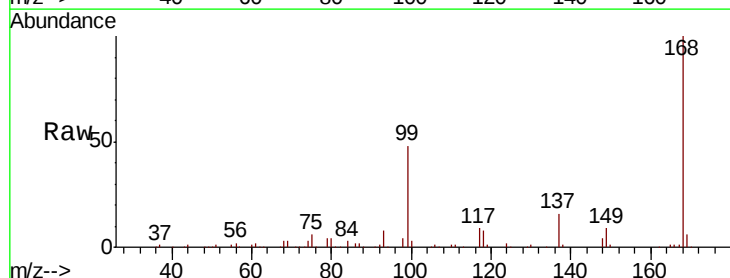
Tgt Ion: 56 Resp: 9099

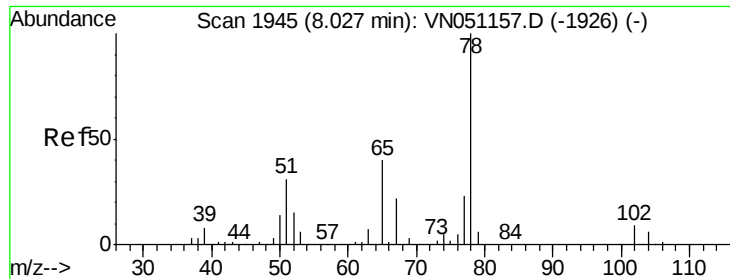
Ion Ratio Lower Upper

56 100

69 211.9 26.3 39.5#

84 171.5 69.4 104.0#

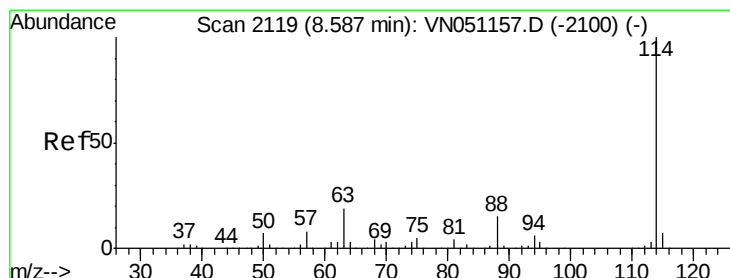
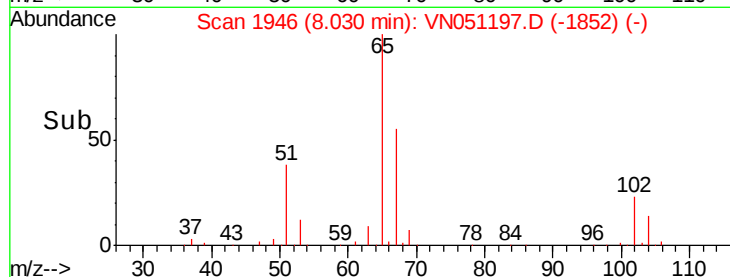
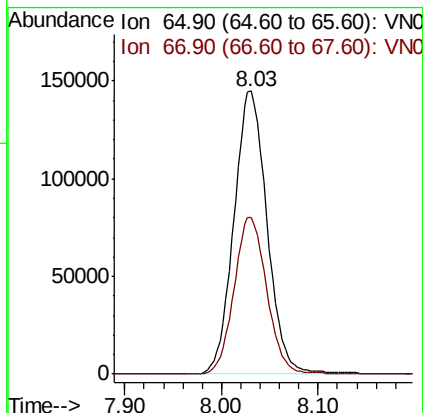
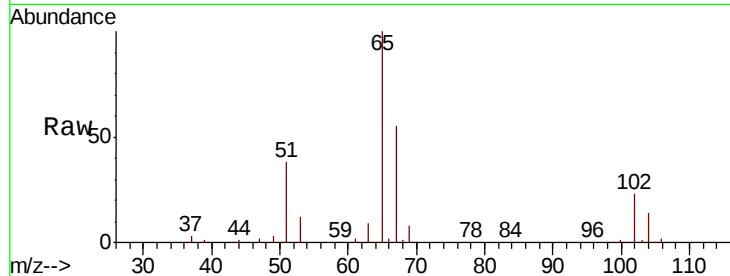




#33
 1,2-Dichloroethane-d4
 Concen: 55.57 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

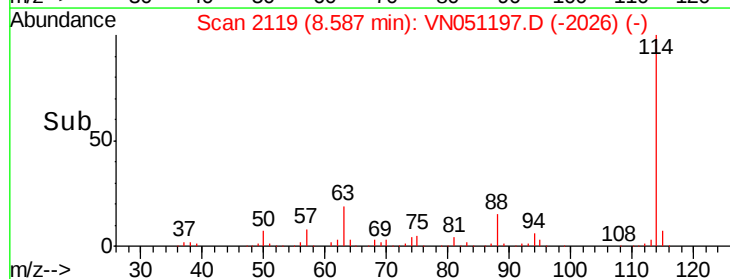
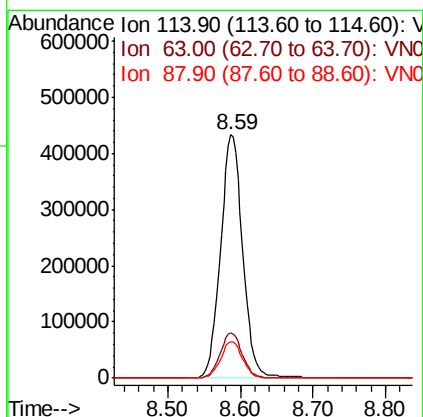
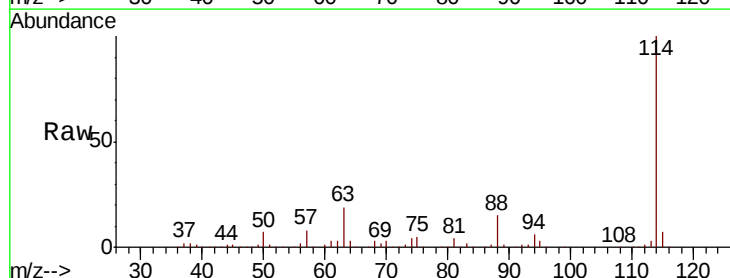
Instrument :
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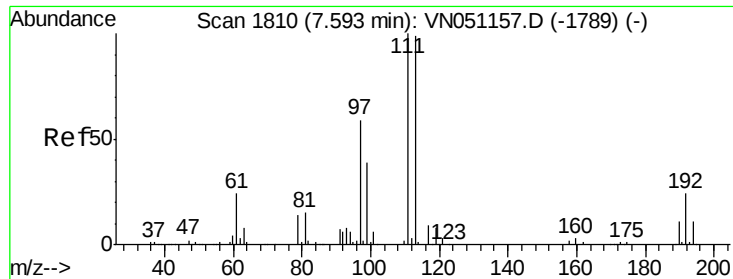
Tot Ion: 65 Resp: 344380
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

Tgt Ion: 114 Resp: 915272
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.1 0.0 30.8

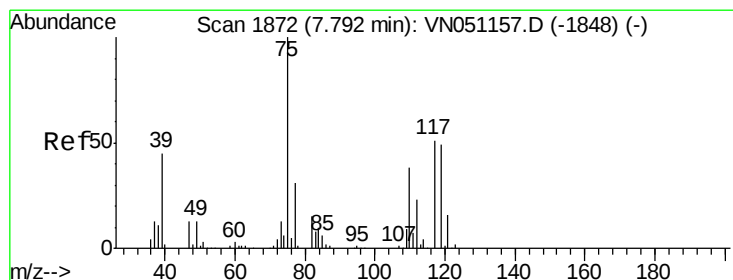
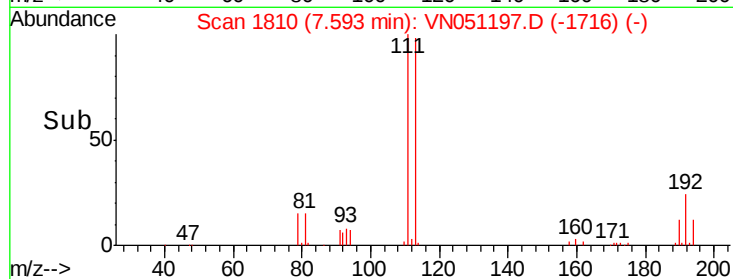
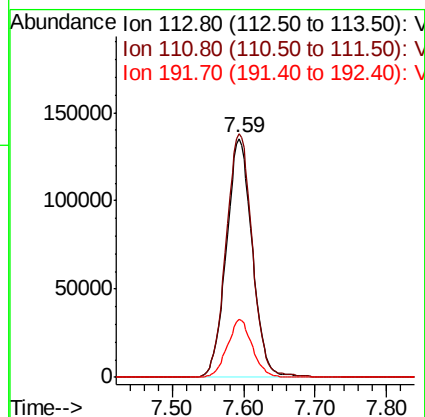
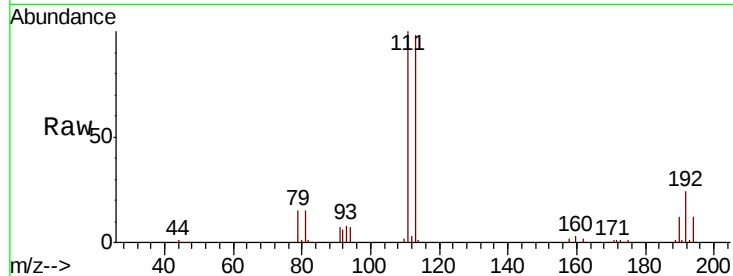




#35
 Dibromofluoromethane
 Concen: 49.66 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

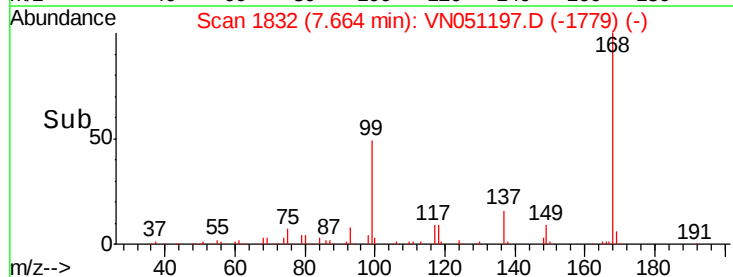
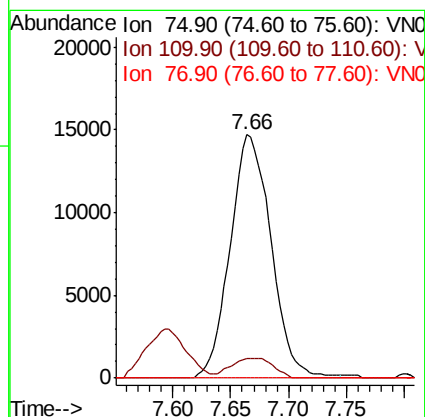
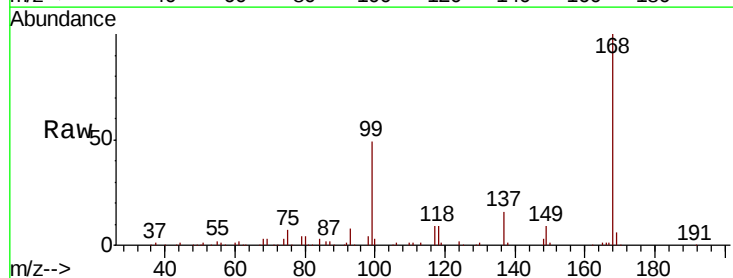
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 MSVOA_N
 ClientSampleId :
 PB112829ZHE#07

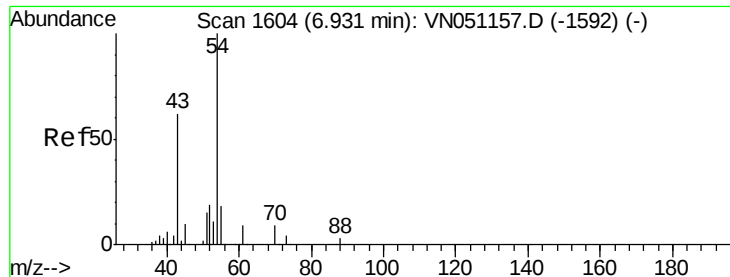
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.6
192	23.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.6	55.8#
77	0.0	25.2	37.8#





#37

Ethyl Acetate

Concen: 1.34 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.08 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

PB112829ZHE#07

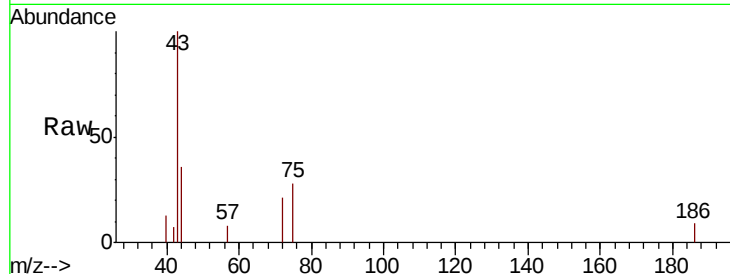
Tot Ion: 43 Resp: 7808

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

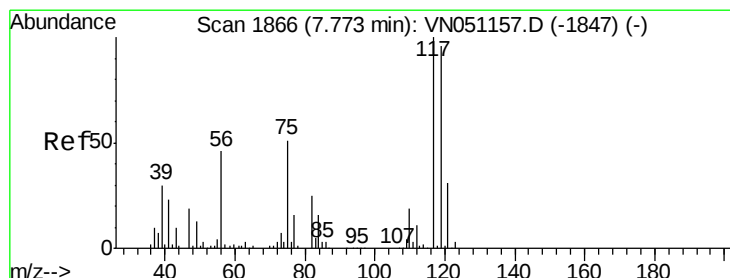
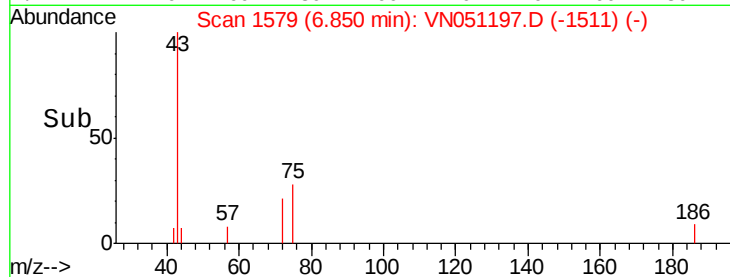
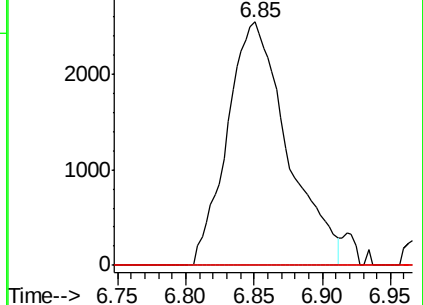
70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VN051197.D (-1511) (-)

Ion 60.90 (60.60 to 61.60): VN051197.D (-1511) (-)

Ion 70.00 (69.70 to 70.70): VN051197.D (-1511) (-)



#38

Carbon Tetrachloride

Concen: 4.89 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

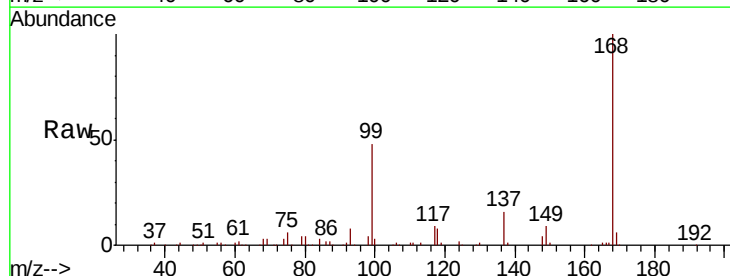
Tgt Ion: 117 Resp: 48369

Ion Ratio Lower Upper

117 100

119 7.0 76.8 115.2#

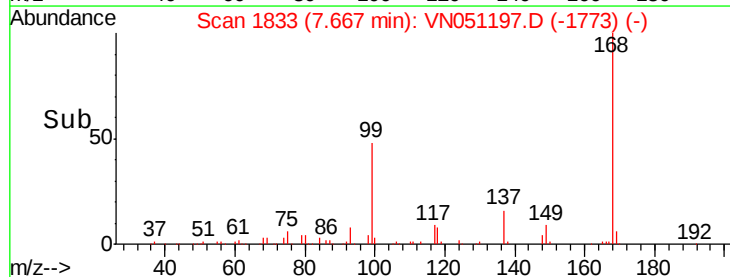
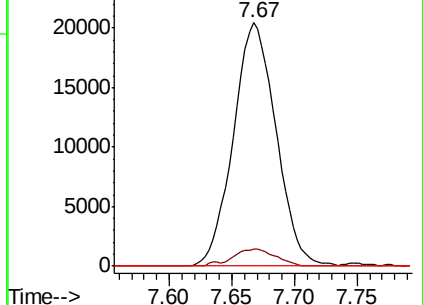
121 0.0 24.6 36.8#

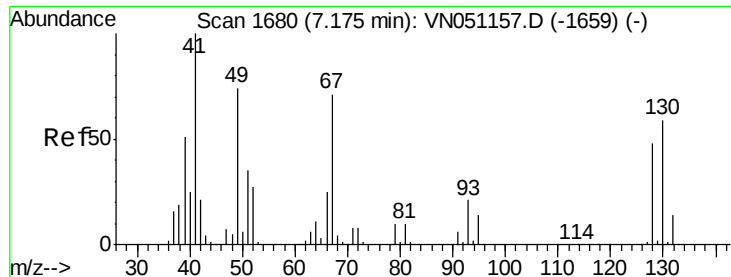


Abundance Ion 116.80 (116.50 to 117.50): VN051197.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN051197.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN051197.D (-1773) (-)

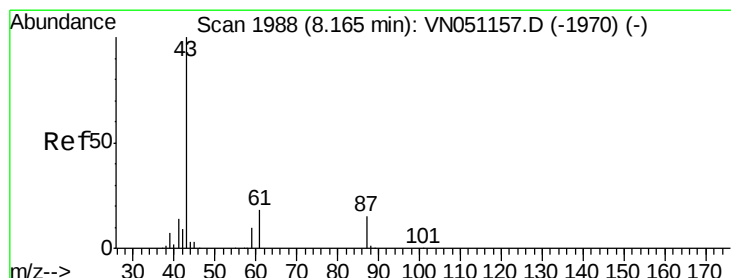
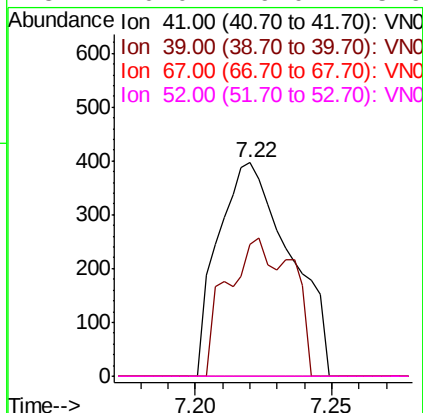
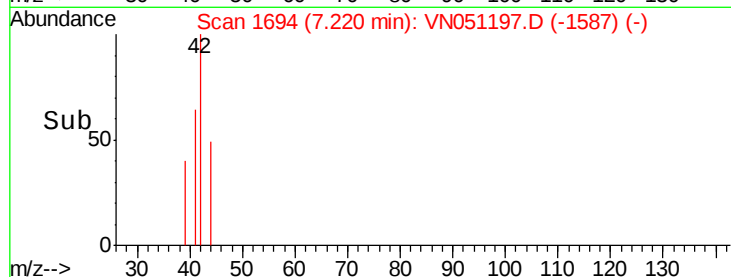
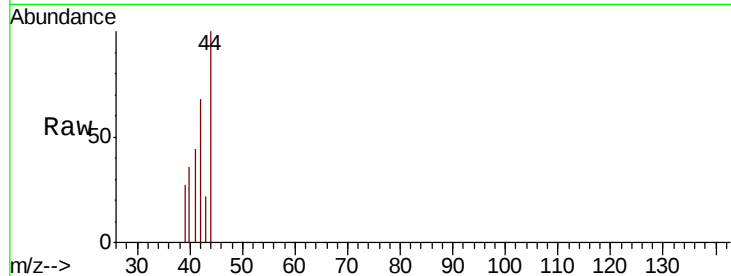




#41
Methacrylonitrile
Concen: 0.24 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.04 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

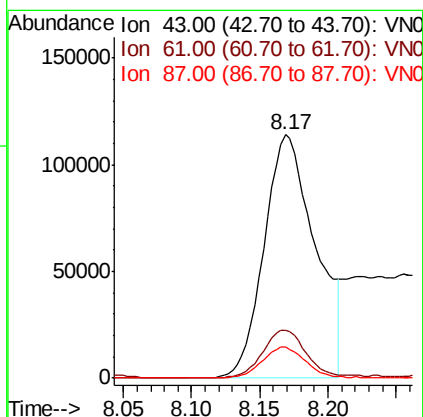
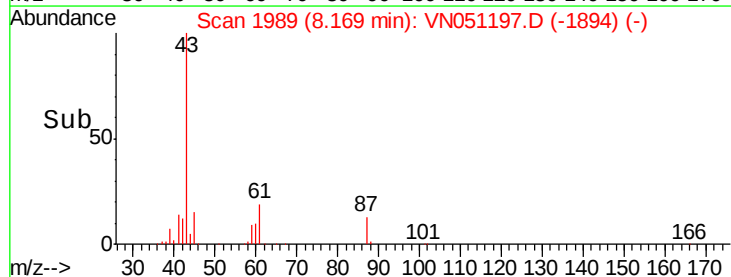
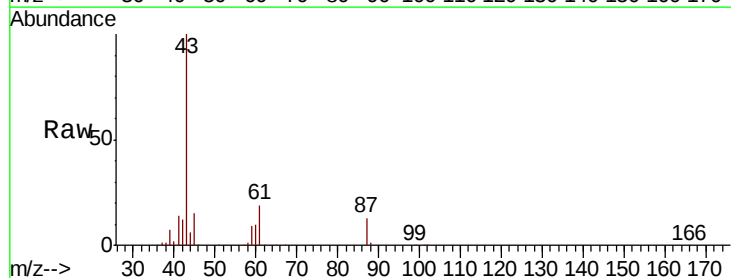
Instrument :
MSVOA_N
ClientSampleId :
PB112829ZHE#07

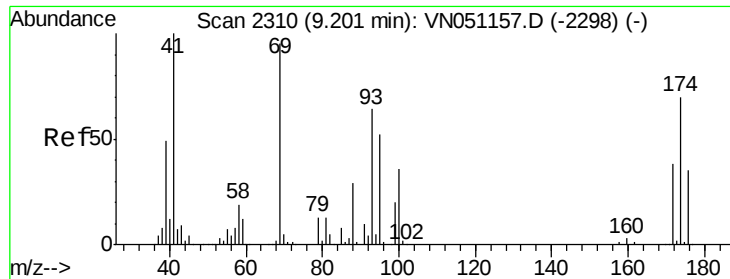
Tot Ion: 41 Resp: 728
Ion Ratio Lower Upper
41 100
39 42.4 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#43
Isopropyl Acetate
Concen: 28.95 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Tgt Ion: 43 Resp: 297277
Ion Ratio Lower Upper
43 100
61 17.1 25.0 37.6#
87 11.0 11.8 17.8#

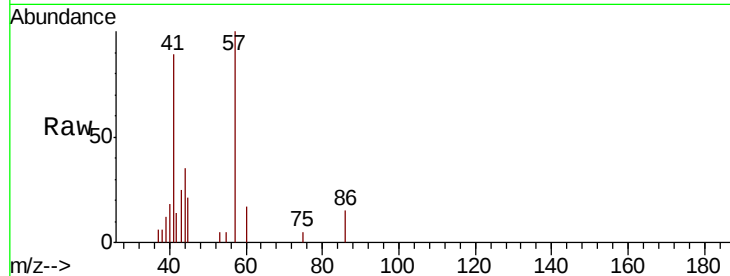




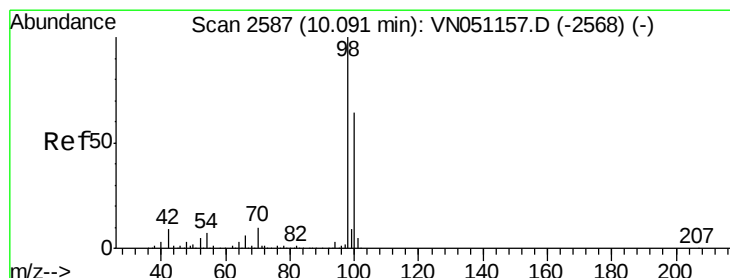
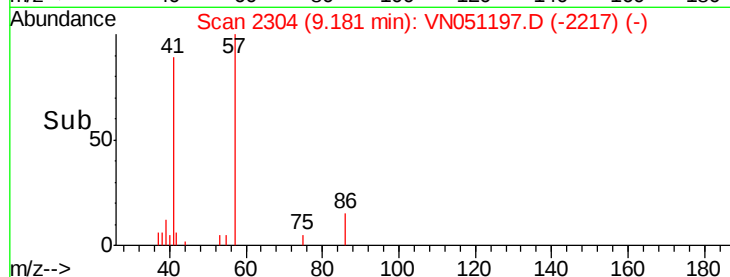
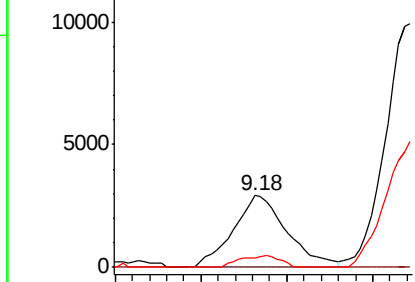
#48
Methvl methacrylate
Concen: 1.27 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
PB112829ZHE#07

Tot Ion: 41 Resp: 6362
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 12.2 41.6 62.4#

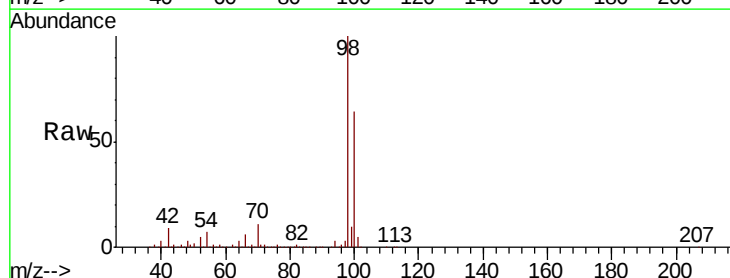


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

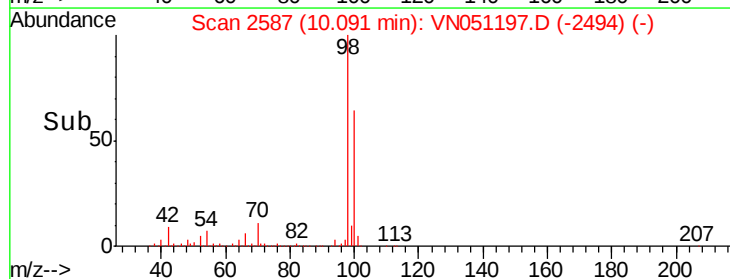
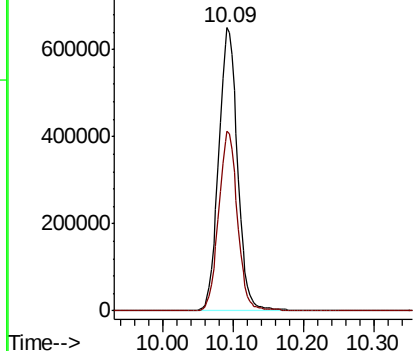


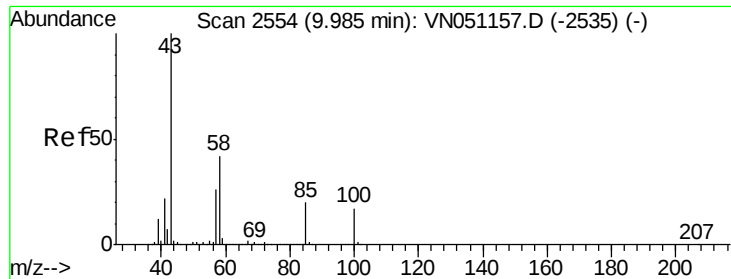
#50
Toluene-d8
Concen: 46.43 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Tgt Ion: 98 Resp: 1211744
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



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

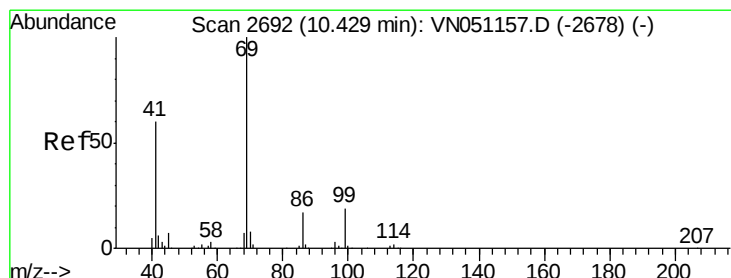
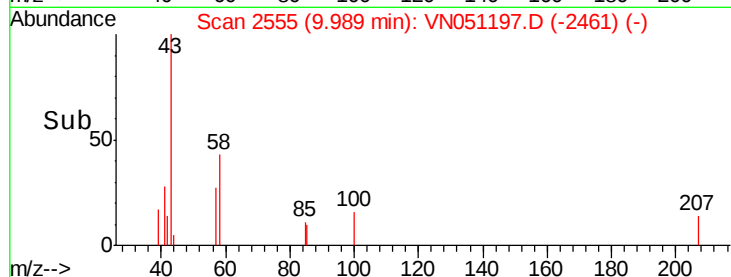
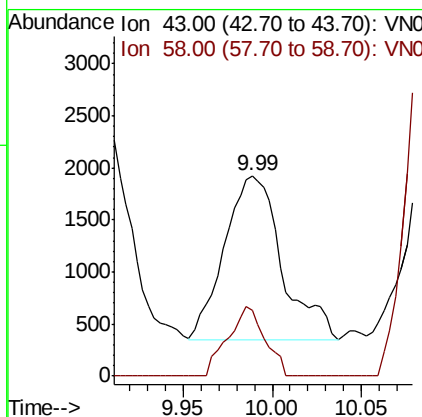
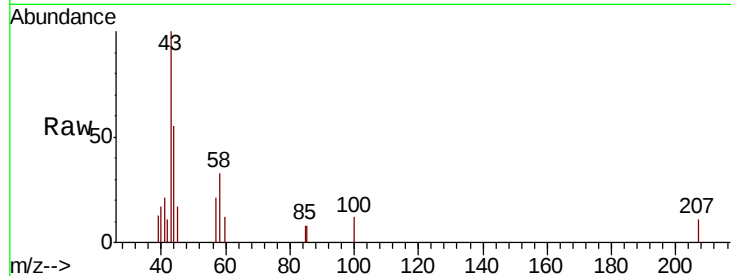




#51
 4-Methyl-2-Pentanone
 Concen: 0.63 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

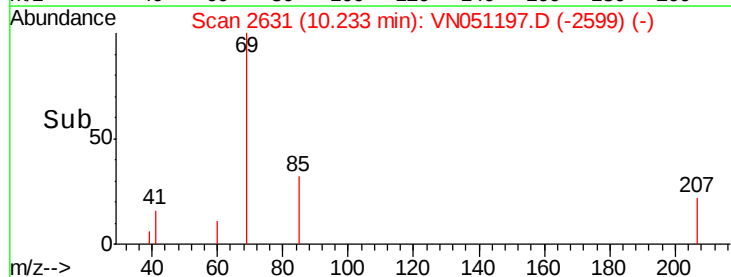
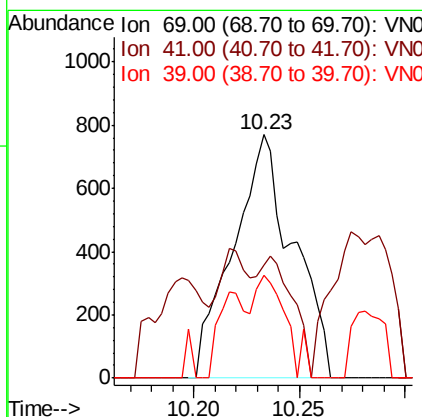
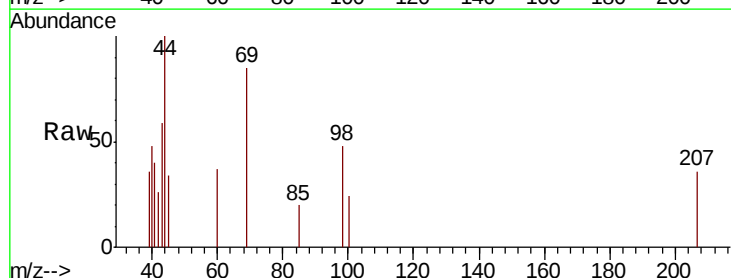
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112829ZHE#07

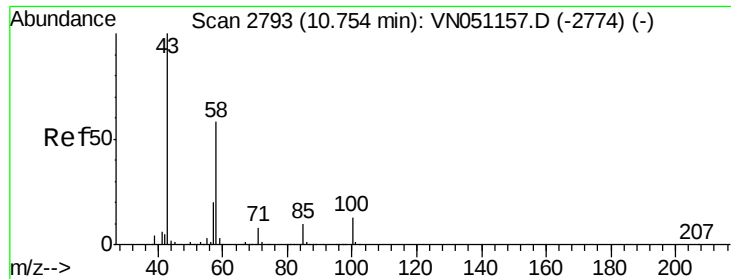
Tot Ion: 43 Resp: 3555
 Ion Ratio Lower Upper
 43 100
 58 27.0 33.5 50.3#



#56
 Ethyl methacrylate
 Concen: 2.62 ug/l
 RT: 10.23 min Scan# 2631
 Delta R.T. -0.20 min
 Lab File: VN051197.D
 Acq: 14 Sep 2018 18:04

Tgt Ion: 69 Resp: 1522
 Ion Ratio Lower Upper
 69 100
 41 0.0 47.8 71.8#
 39 21.6 23.0 34.4#

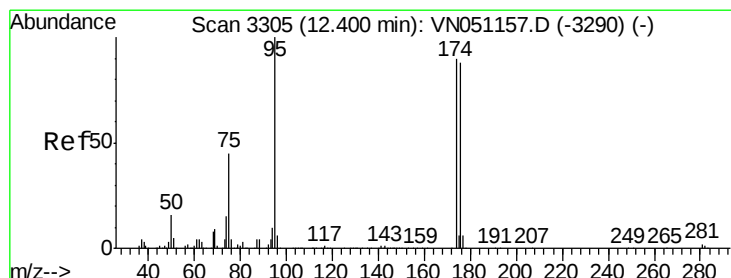
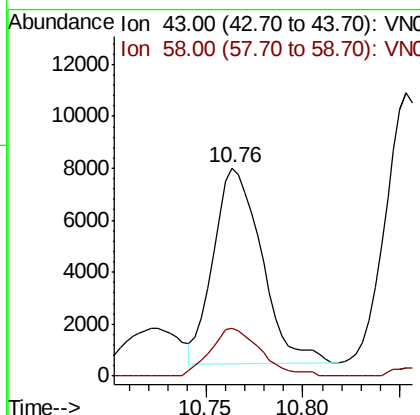
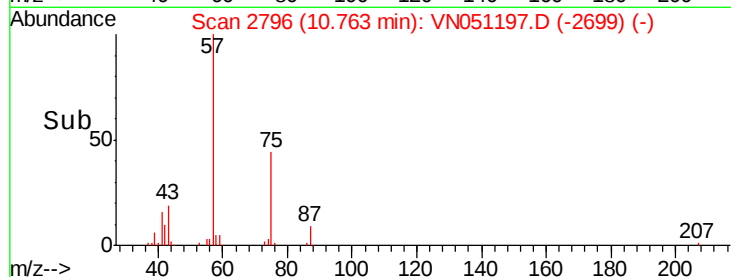
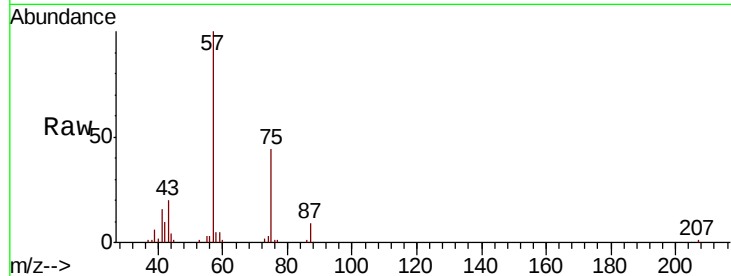




#59
2-Hexanone
Concen: 3.41 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

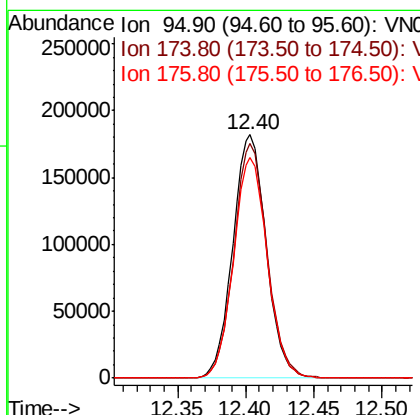
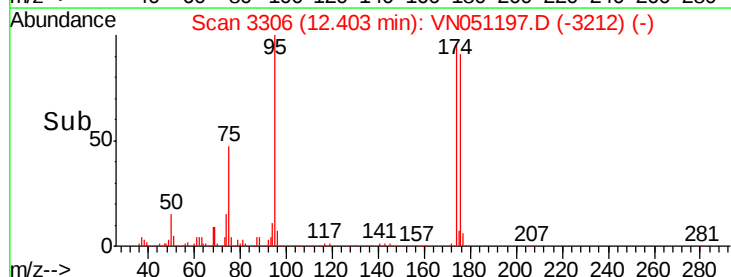
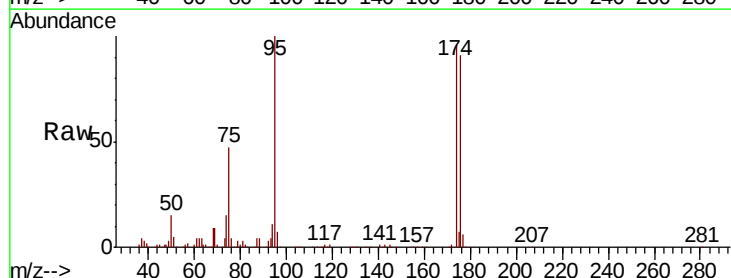
Instrument :
MSVOA_N
ClientSampleId :
PB112829ZHE#07

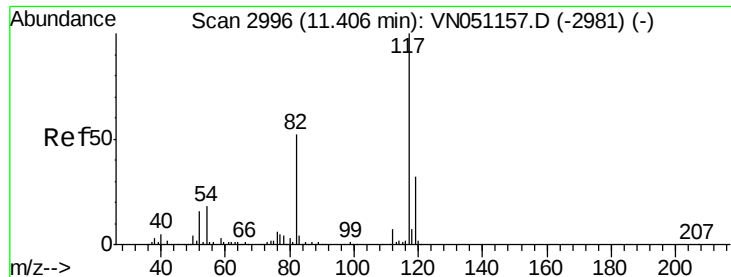
Tot Ion: 43 Resp: 13114
Ion Ratio Lower Upper
43 100
58 25.7 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 35.80 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Tgt Ion: 95 Resp: 309024
Ion Ratio Lower Upper
95 100
174 96.0 0.0 184.8
176 91.7 0.0 178.6

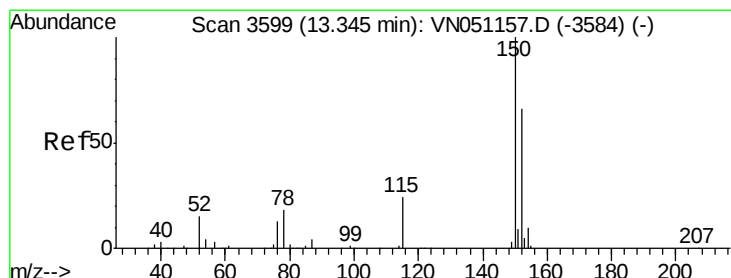
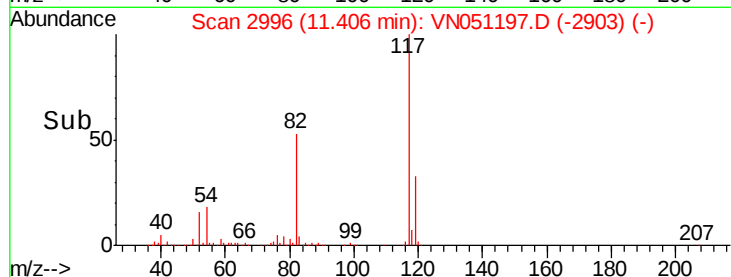
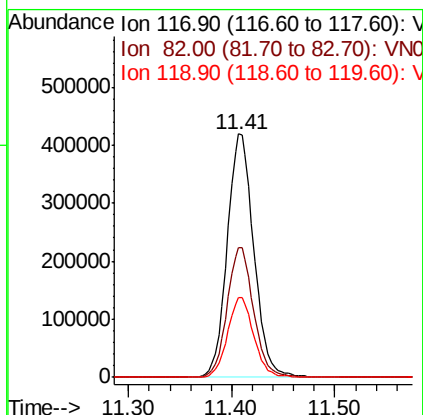
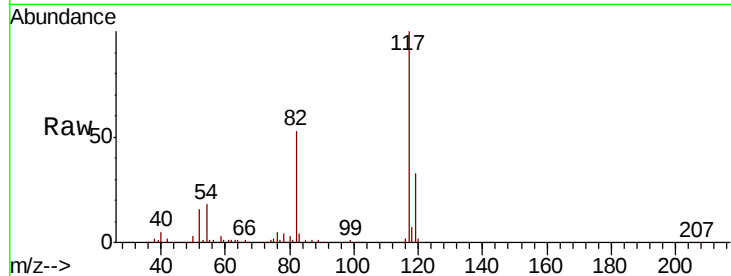




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

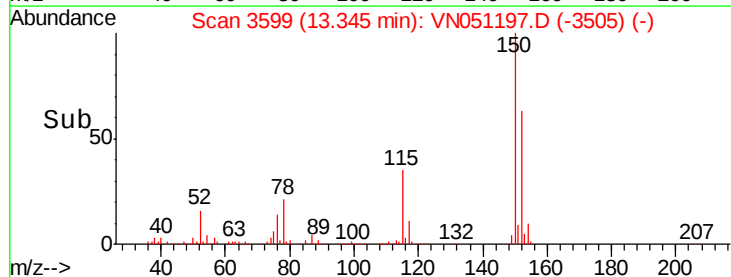
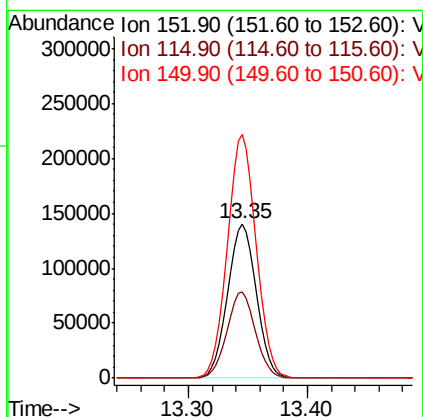
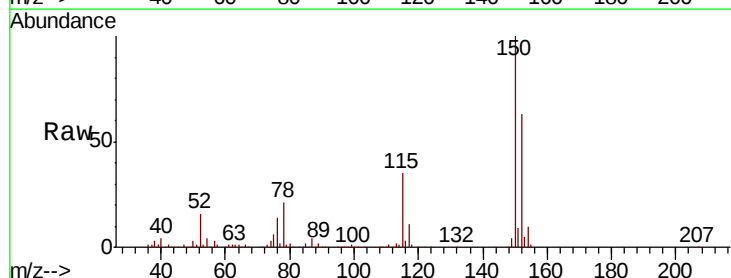
Instrument :
MSVOA_N
ClientSampleId :
PB112829ZHE#07

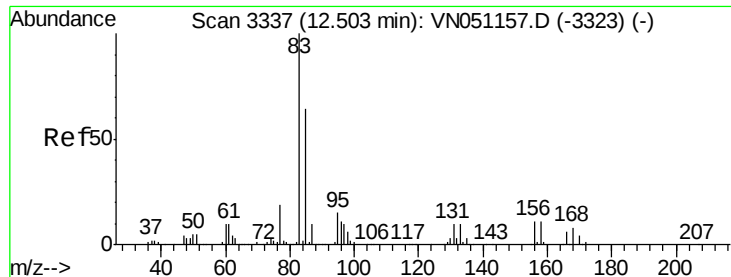
Tot Ion:117 Resp: 753256
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051197.D
Acq: 14 Sep 2018 18:04

Tgt Ion:152 Resp: 234877
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.7
150 157.6 0.0 349.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

PB112829ZHE#07

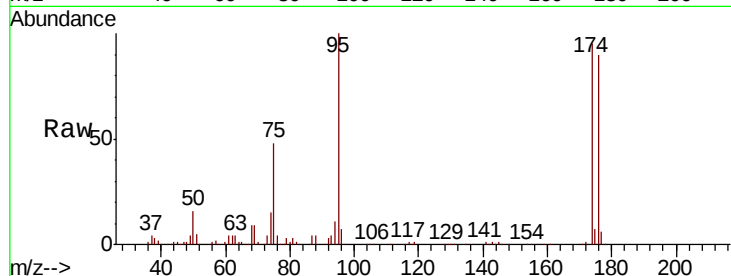
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 650.8 5.3 16.1#

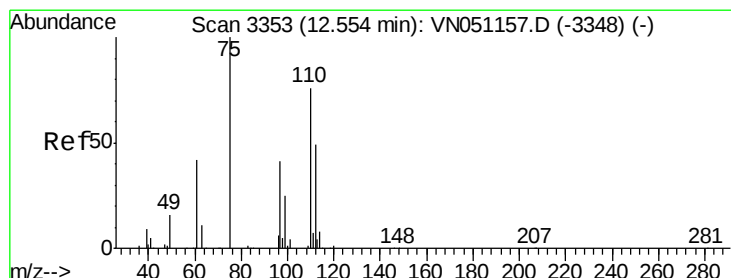
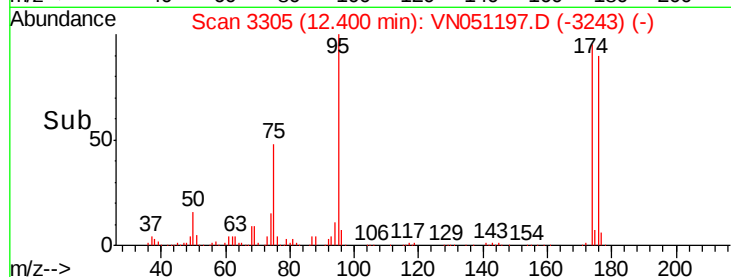
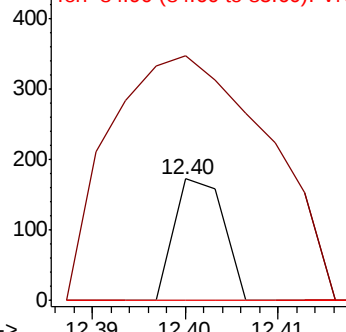
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 39.81 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051197.D

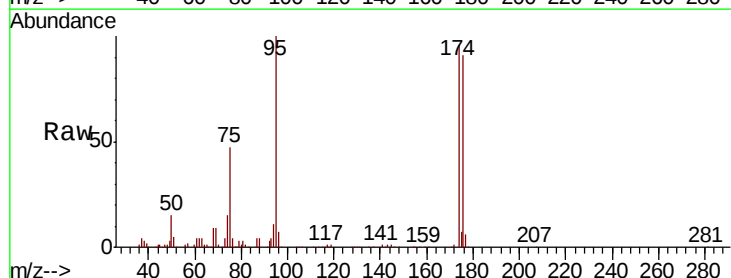
Acq: 14 Sep 2018 18:04

Tgt Ion: 75 Resp: 146073

Ion Ratio Lower Upper

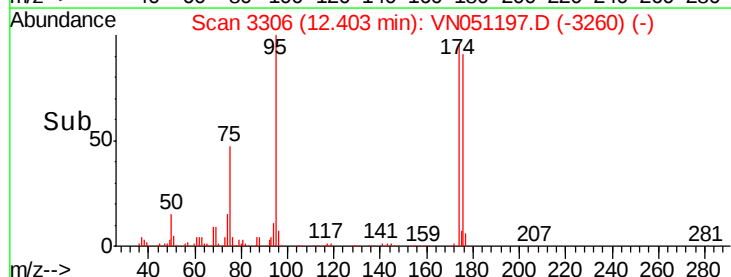
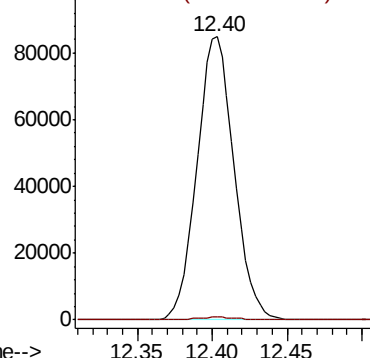
75 100

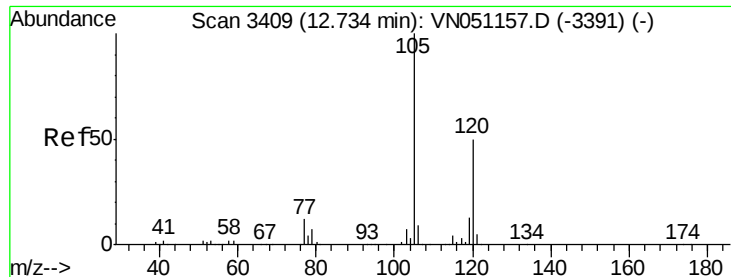
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.26 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

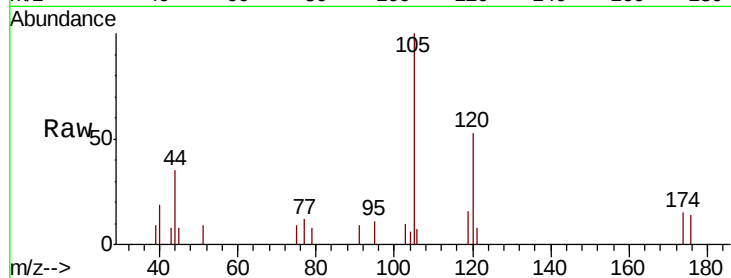
PB112829ZHE#07

Tot Ion:105 Resp: 4216

Ion Ratio Lower Upper

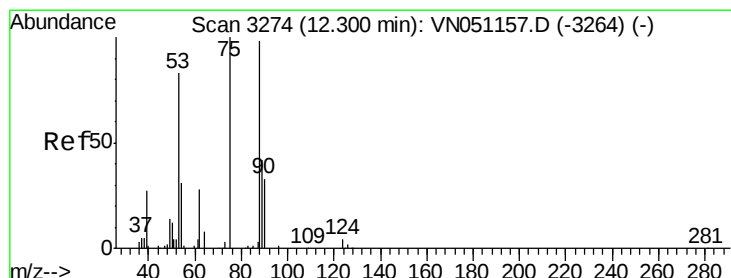
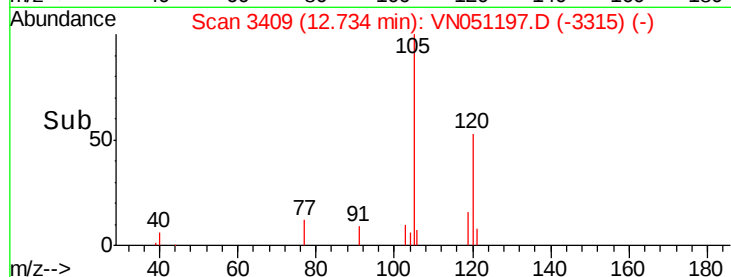
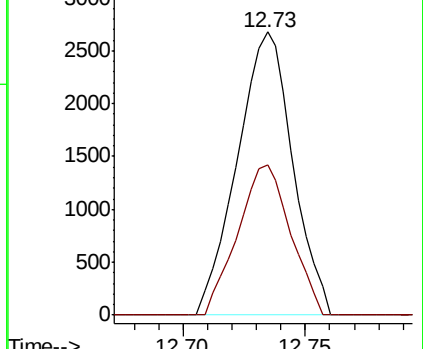
105 100

120 50.4 24.9 74.6



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: 118.11 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

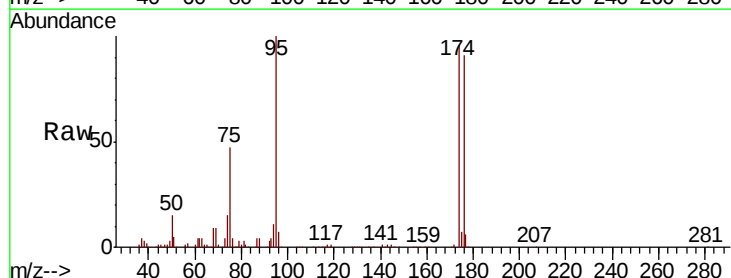
Tgt Ion: 75 Resp: 146073

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

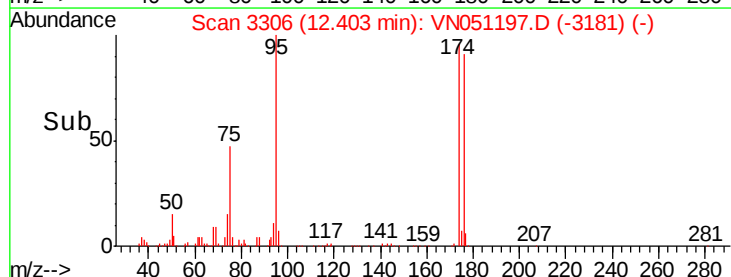
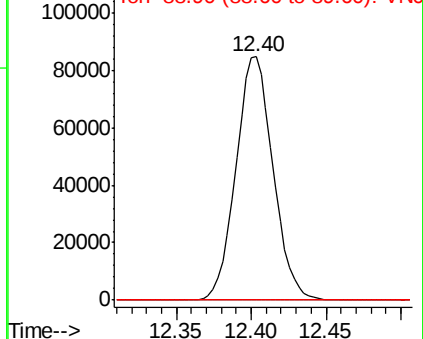
89 0.0 36.0 54.0#

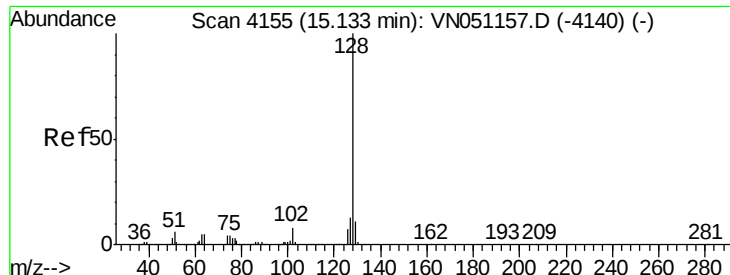


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 5.35 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051197.D

Acq: 14 Sep 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

PB112829ZHE#07

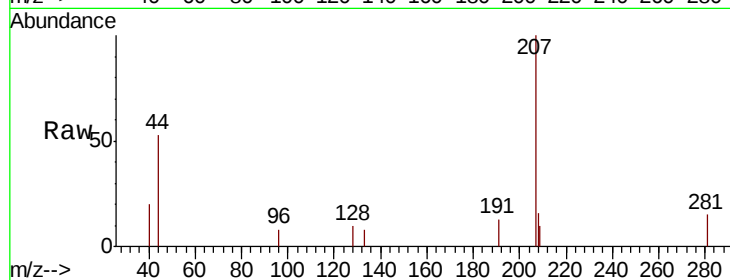
Tot Ion:128 Resp: 103

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



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

