

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051546.D
 Acq On : 26 Sep 2018 19:58
 Operator : MD\SY
 Sample : PB113219ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#03

Quant Time: Sep 27 07:59:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1061553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306213	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	474661	57.57	ug/l	0.00
Spiked Amount			Recovery	=	115.14%	
35) Dibromofluoromethane	7.59	113	409672	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	10.09	98	1477816	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.40	95	397568	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	

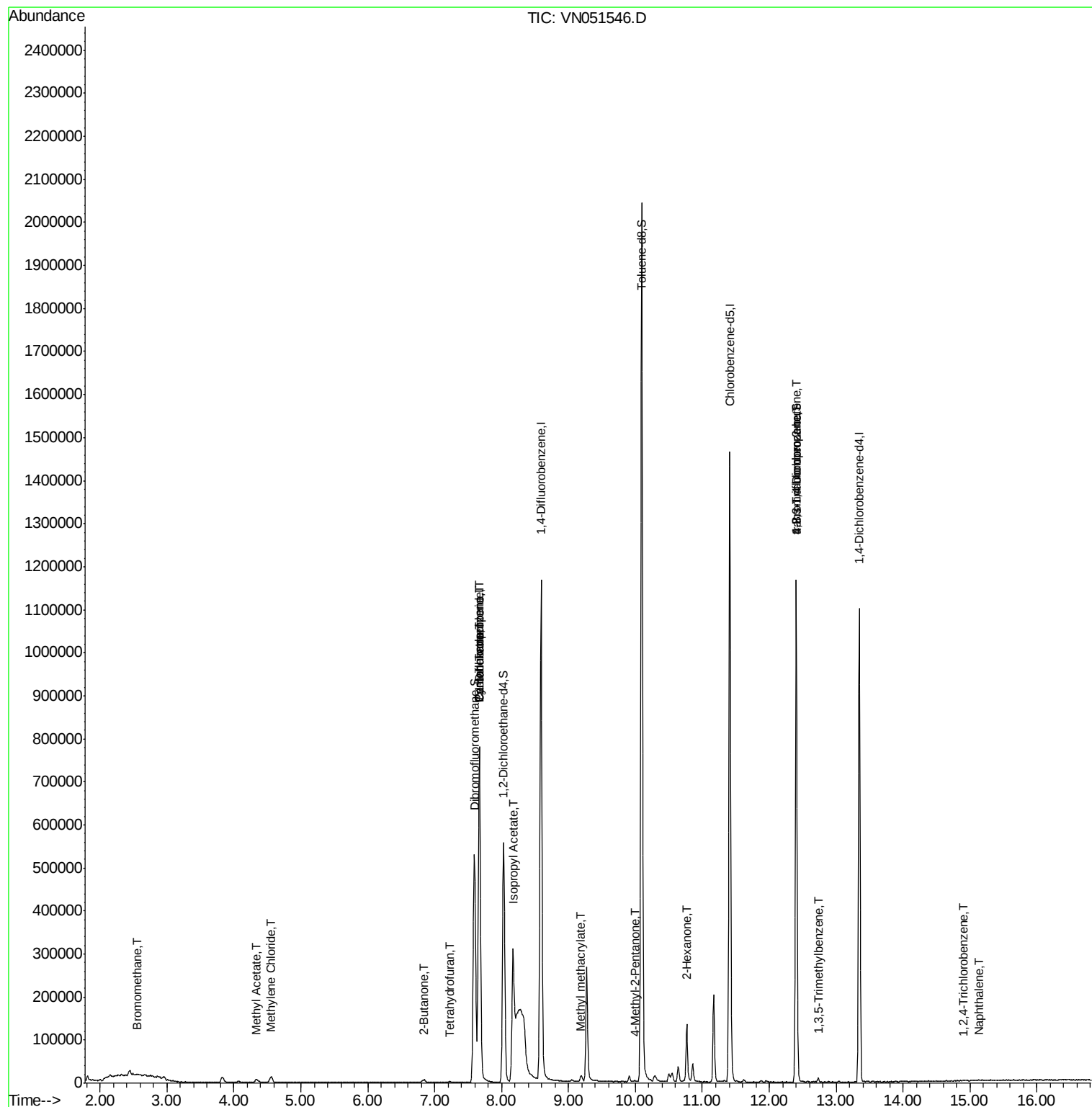
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1620	0.309	ug/l	98
16) Acetone	3.83	43	21313	Below Cal		94
18) Methyl Acetate	4.34	43	13425	2.138	ug/l	99
20) Methylene Chloride	4.55	84	9420	1.155	ug/l	92
25) 2-Butanone	6.85	43	4590	1.627	ug/l	97
29) Tetrahydrofuran	7.22	42	2017	1.128	ug/l #	60
31) Cyclohexane	7.67	56	11891	0.916	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48626	3.956	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60205	4.682	ug/l #	17
43) Isopropyl Acetate	8.17	43	395476	30.943	ug/l #	91
48) Methyl methacrylate	9.18	41	8388	1.316	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2530	0.360	ug/l #	83
59) 2-Hexanone	10.77	43	17425	3.824	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	193682	38.101	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4610	0.219	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.40	75	193682	117.159	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	176	6.008	ug/l #	32
95) Naphthalene	15.13	128	1412	8.148	ug/l #	82

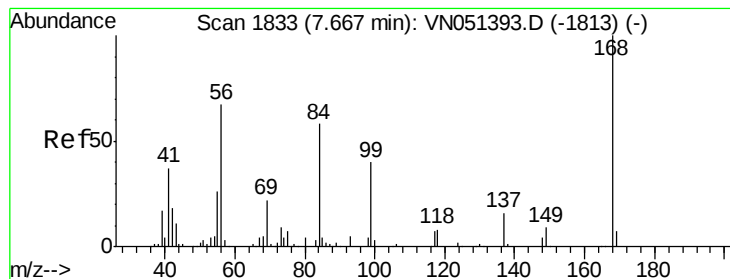
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

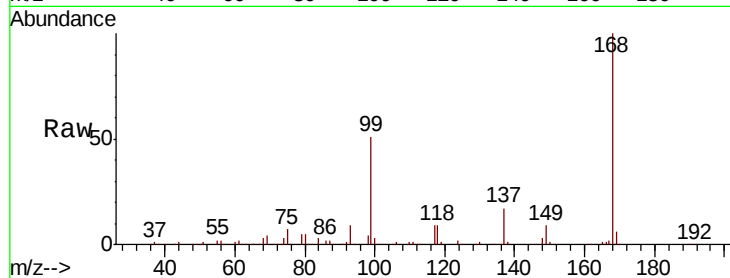
PB113219ZHE#03

Tot Ion:168 Resp: 658139

Ion Ratio Lower Upper

168 100

99 51.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

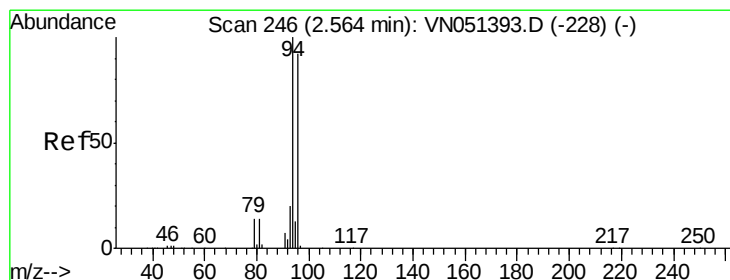
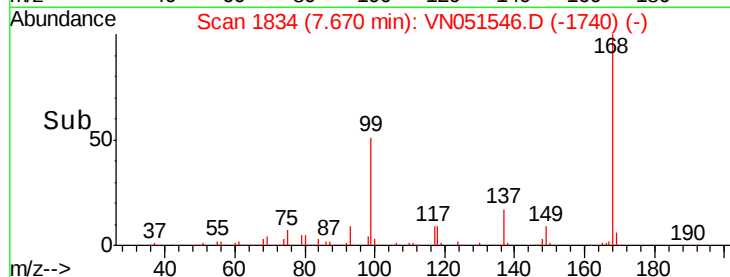
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.309 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051546.D

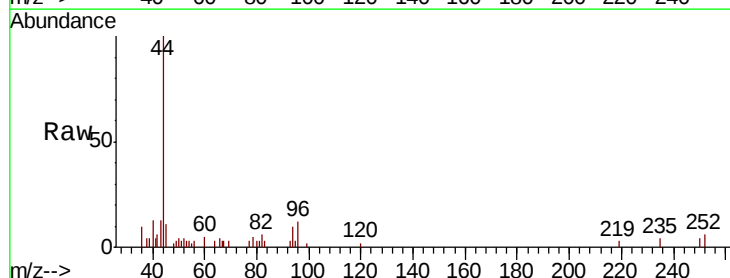
Acq: 26 Sep 2018 19:58

Tgt Ion: 94 Resp: 1620

Ion Ratio Lower Upper

94 100

96 94.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

1000

800

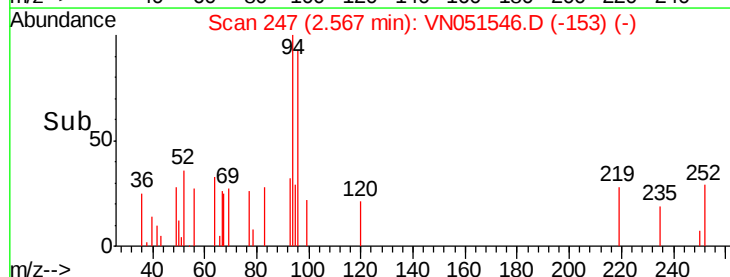
600

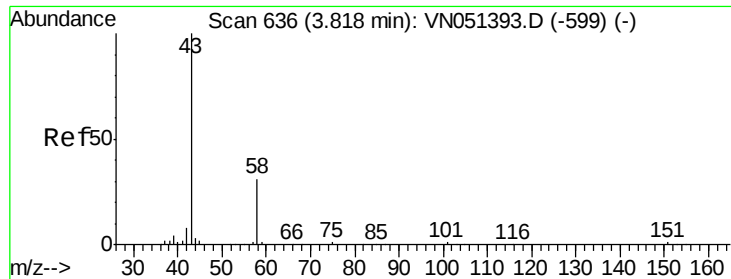
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

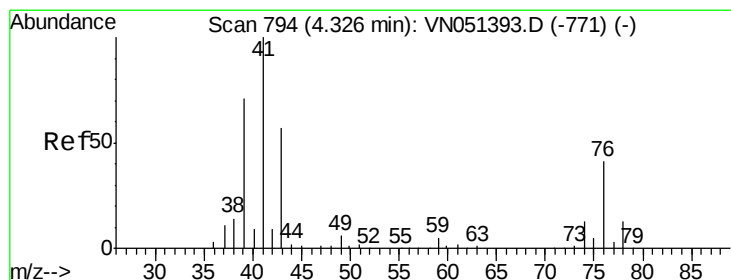
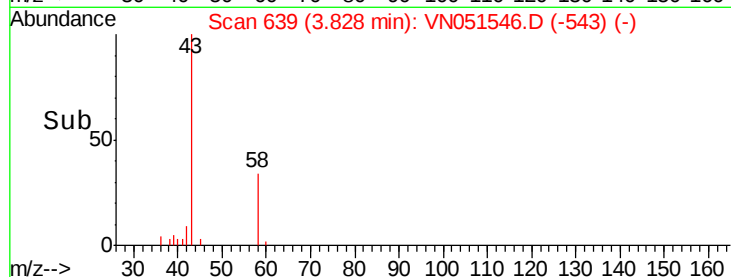
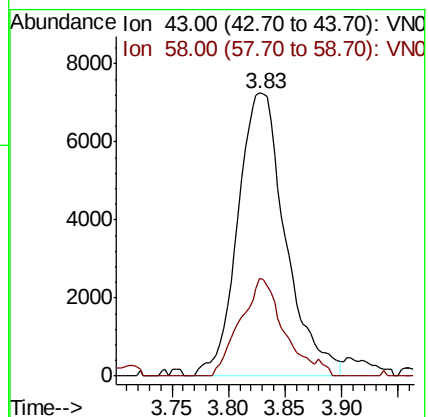
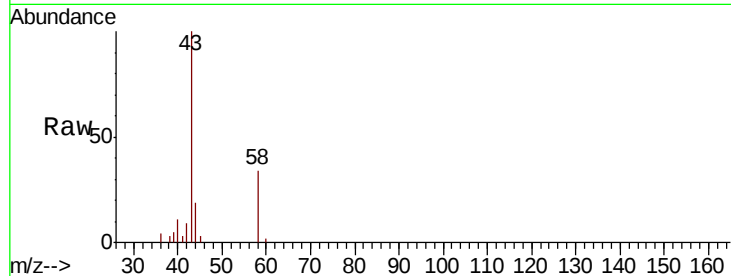
PB113219ZHE#03

Tot Ion: 43 Resp: 21313

Ion Ratio Lower Upper

43 100

58 34.4 25.0 37.4



#18

Methyl Acetate

Concen: 2.138 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN051546.D

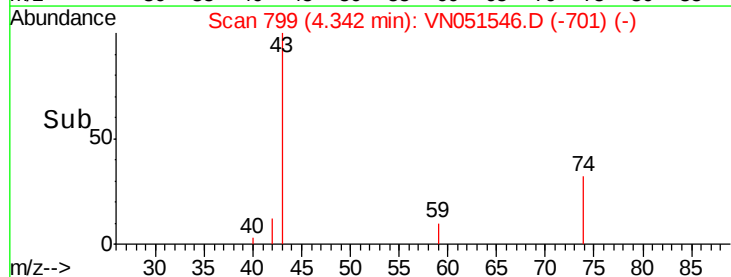
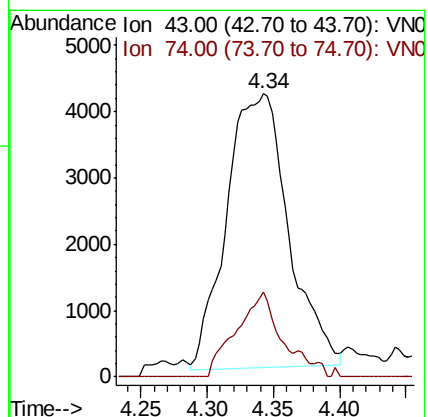
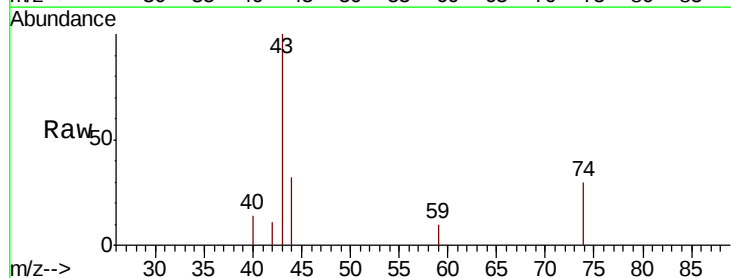
Acq: 26 Sep 2018 19:58

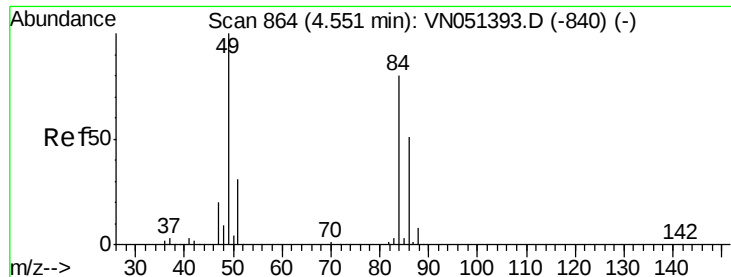
Tgt Ion: 43 Resp: 13425

Ion Ratio Lower Upper

43 100

74 23.2 18.8 28.2

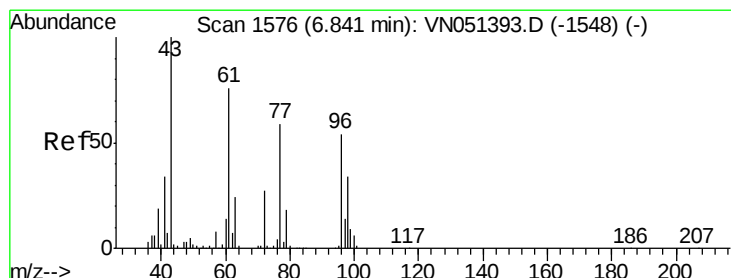
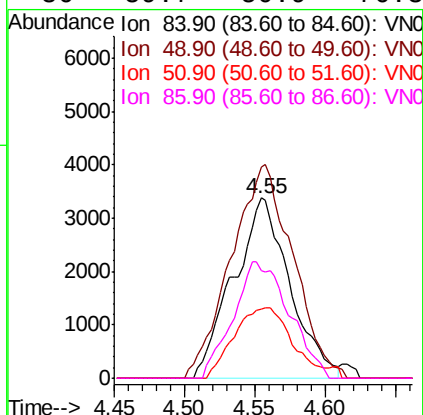
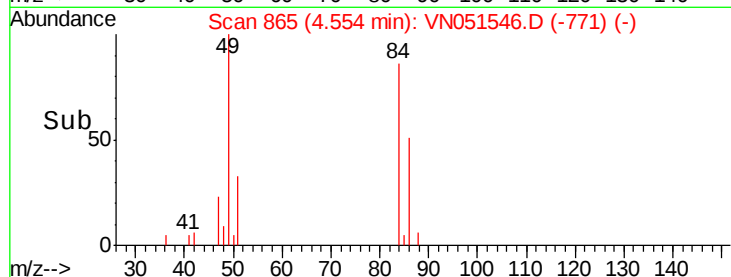
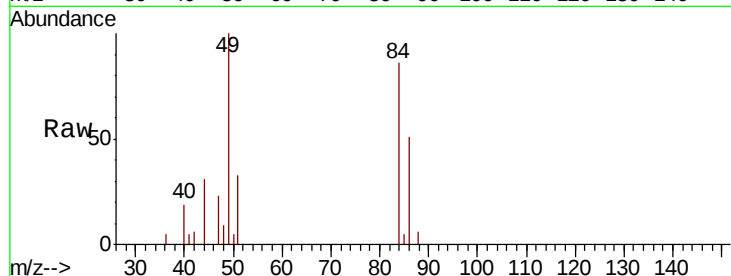




#20
Methvlene Chloride
Concen: 1.155 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

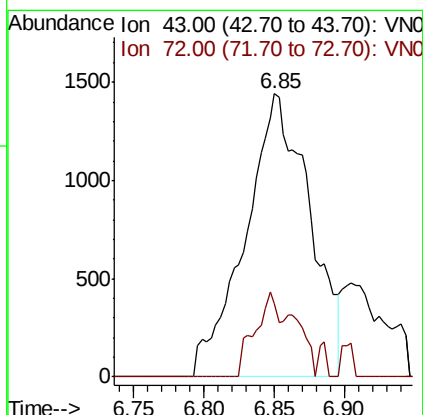
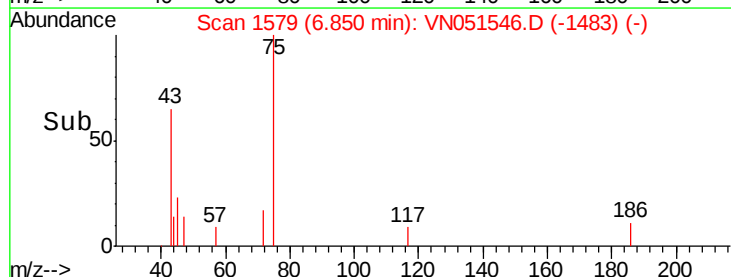
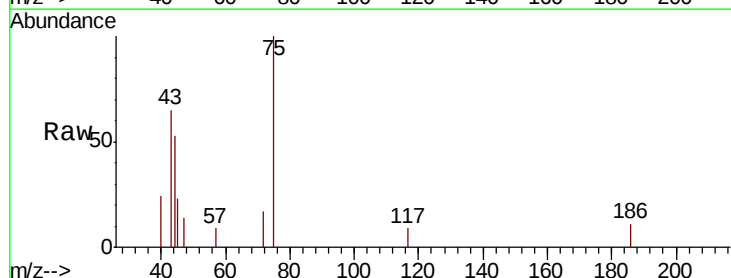
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#03

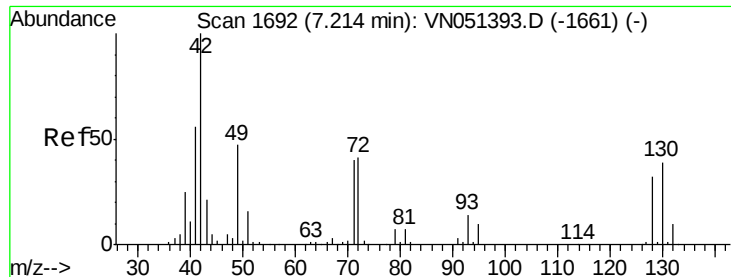
Tot Ion: 84 Resp: 9420
Ion Ratio Lower Upper
84 100
49 111.8 99.9 149.9
51 38.6 31.4 47.2
86 59.7 50.9 76.3



#25
2-Butanone
Concen: 1.627 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
72 25.8 21.8 32.6





#29

Tetrahydrofuran

Concen: 1.128 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#03

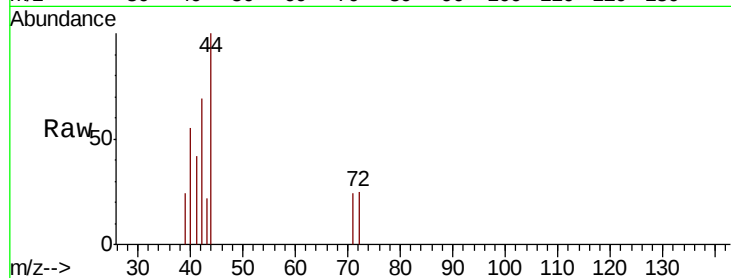
Tot Ion: 42 Resp: 2017

Ion Ratio Lower Upper

42 100

72 11.6 34.3 51.5#

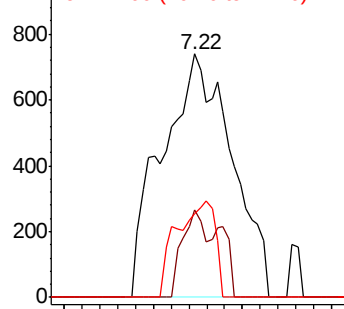
71 21.9 32.2 48.4#



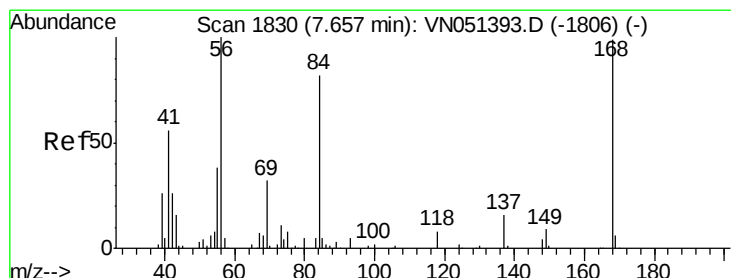
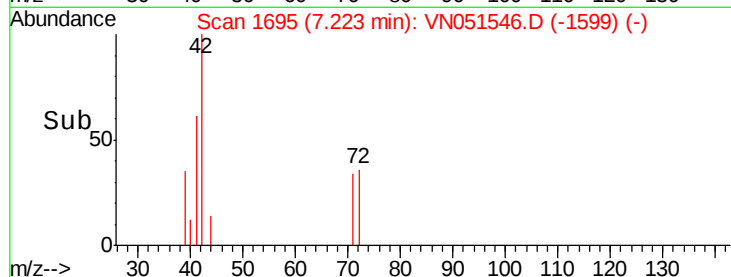
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 0.916 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

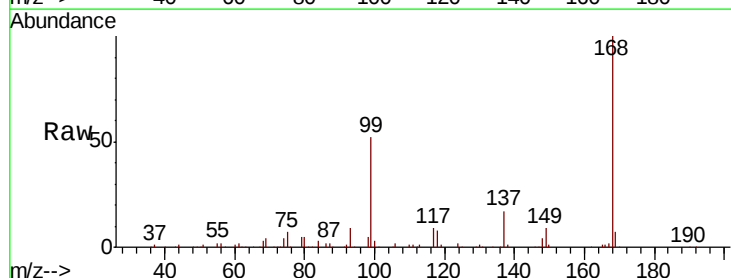
Tgt Ion: 56 Resp: 11891

Ion Ratio Lower Upper

56 100

69 236.5 25.8 38.6#

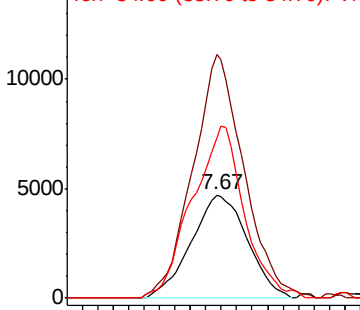
84 155.4 66.0 99.0#



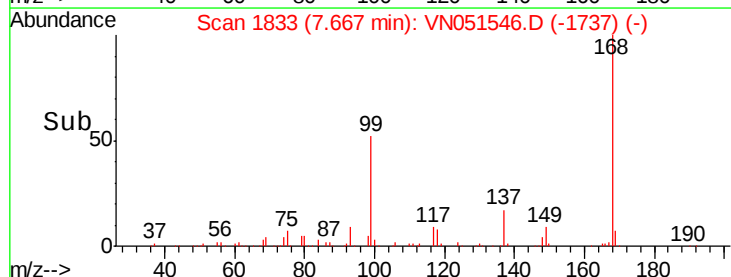
Abundance Ion 56.00 (55.70 to 56.70): VN0

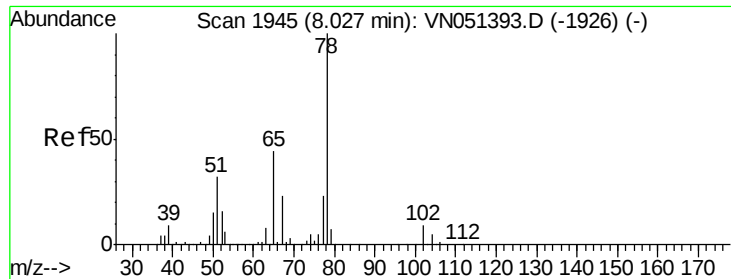
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

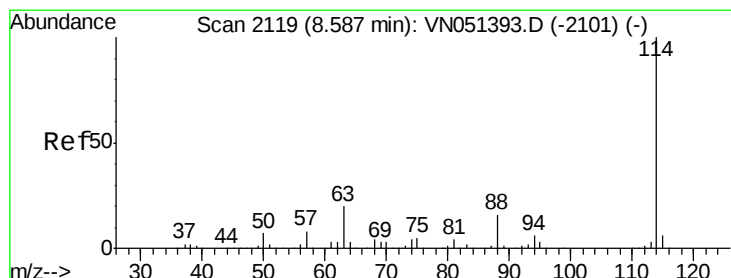
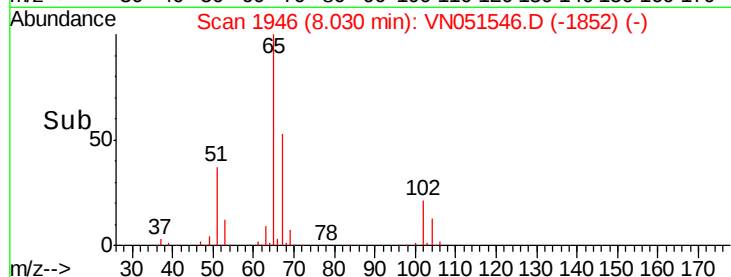
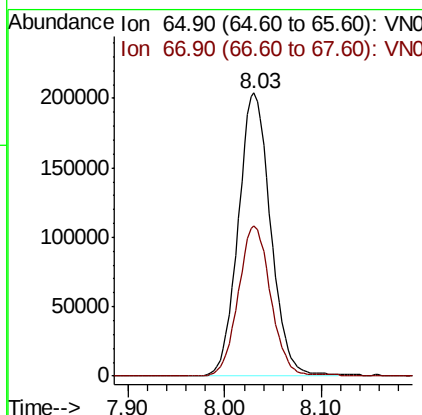
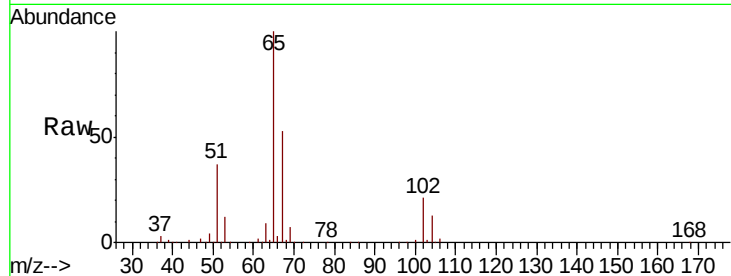




#33
 1,2-Dichloroethane-d4
 Concen: 57.574 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051546.D
 Acq: 26 Sep 2018 19:58

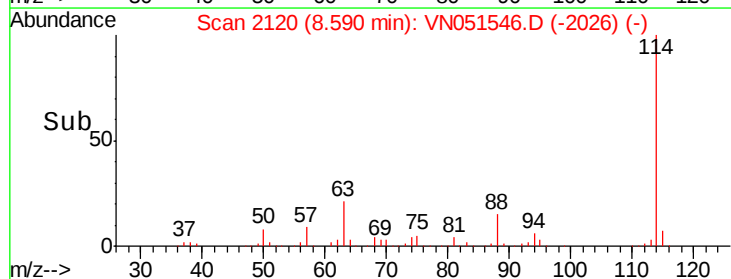
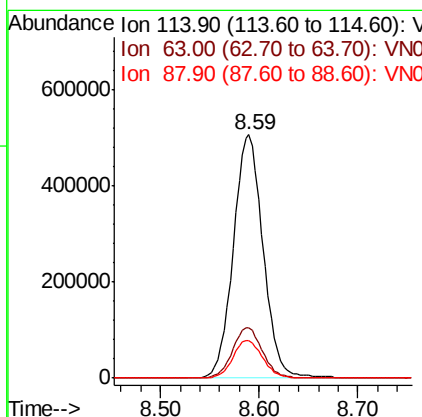
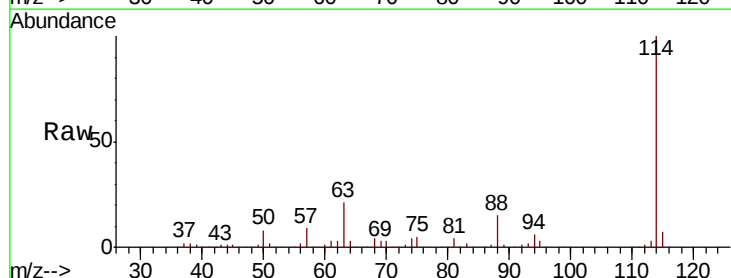
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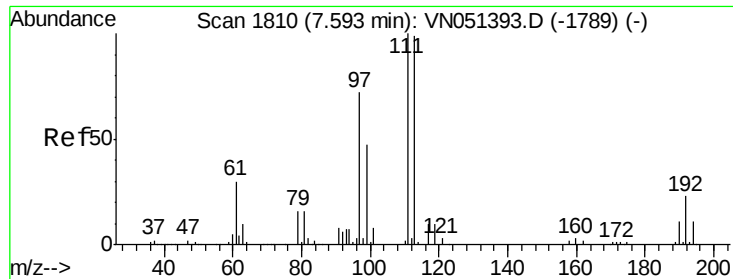
Tot Ion: 65 Resp: 474661
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051546.D
 Acq: 26 Sep 2018 19:58

Tgt Ion: 114 Resp: 1061553
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.2 0.0 31.4

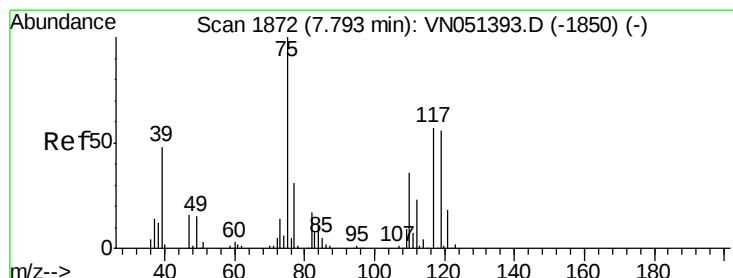
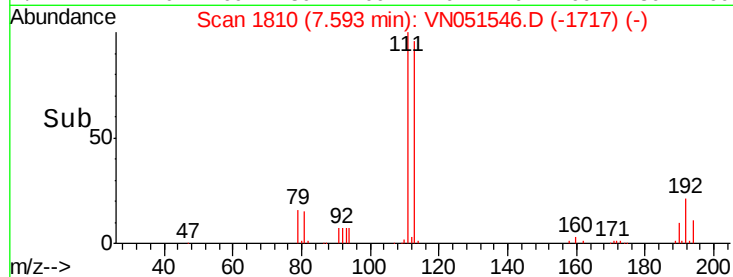
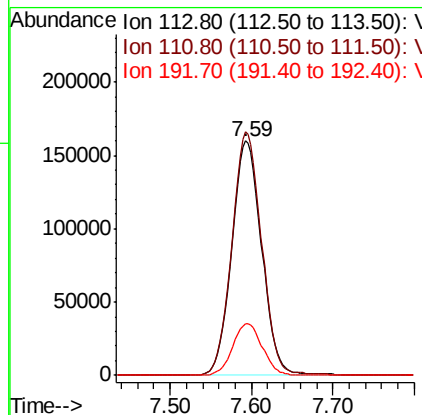
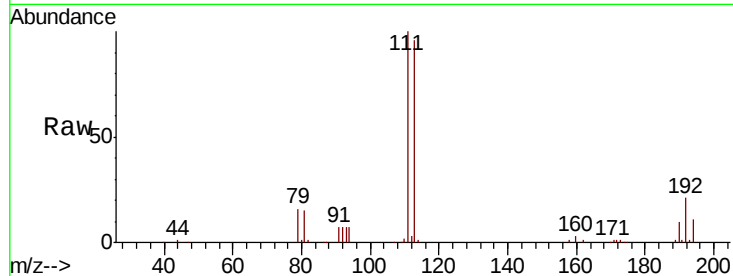




#35
 Dibromofluoromethane
 Concen: 48.261 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051546.D
 Acq: 26 Sep 2018 19:58

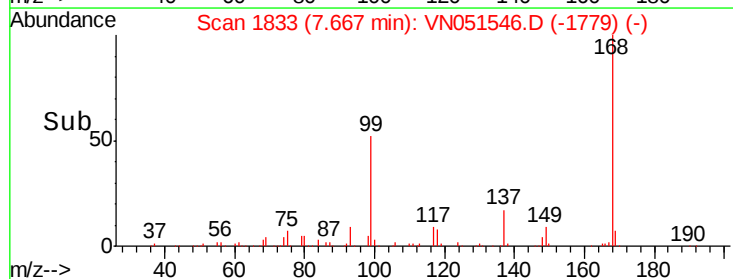
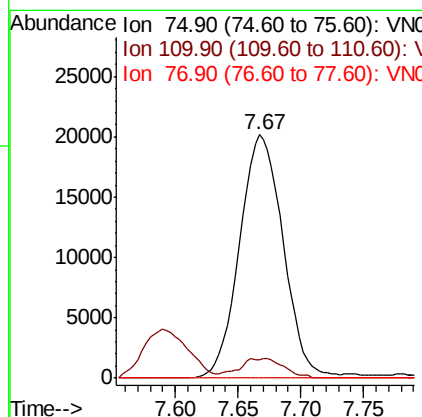
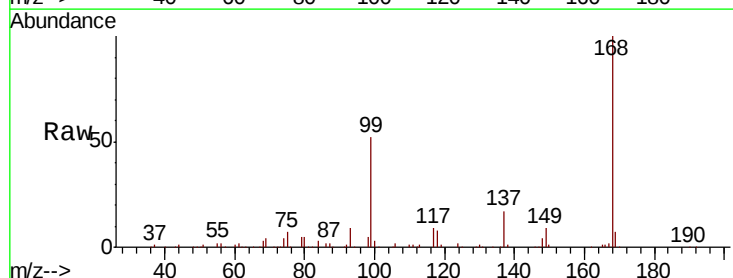
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#03

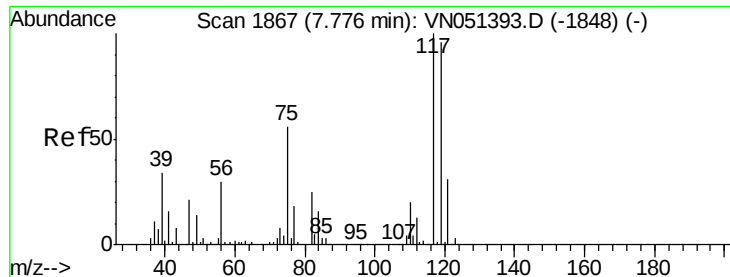
Tot Ion:113 Resp: 409672
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.6 123.8
 192 21.8 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.956 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051546.D
 Acq: 26 Sep 2018 19:58

Tgt Ion: 75 Resp: 48626
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.3#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.682 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#03

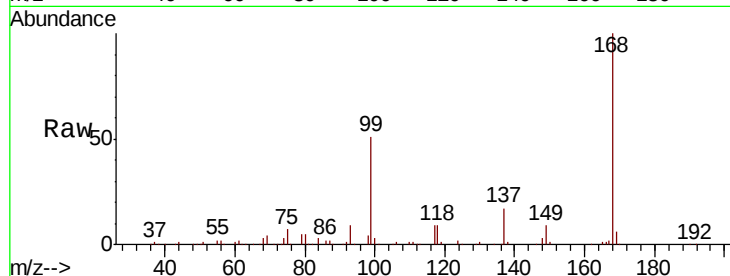
Tot Ion:117 Resp: 60205

Ion Ratio Lower Upper

117 100

119 6.2 76.9 115.3#

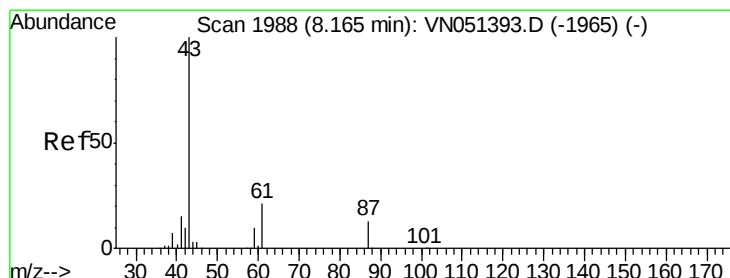
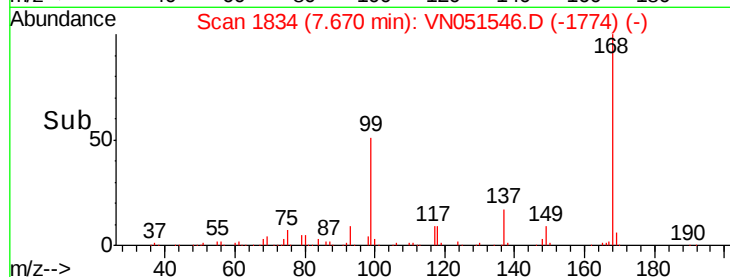
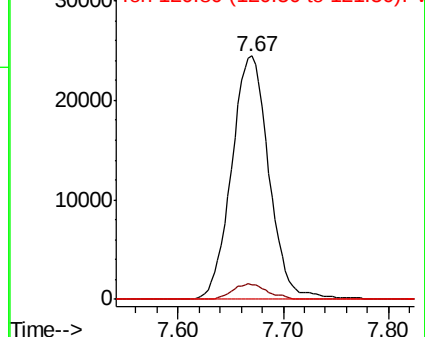
121 0.0 24.6 37.0#



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: 30.943 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

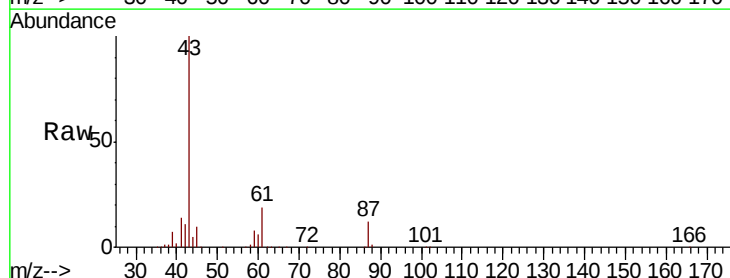
Tgt Ion: 43 Resp: 395476

Ion Ratio Lower Upper

43 100

61 16.5 16.8 25.2#

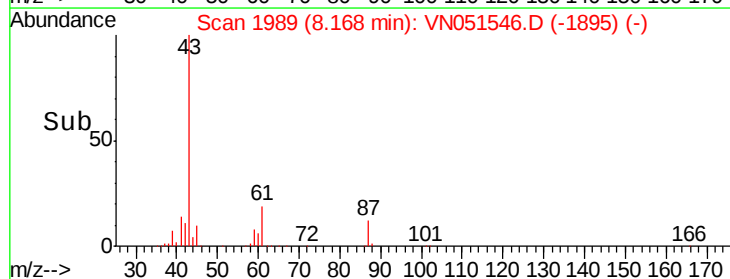
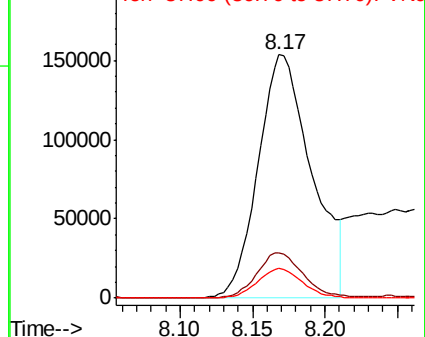
87 10.3 10.7 16.1#

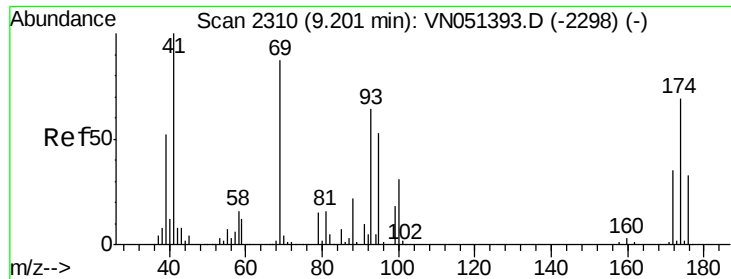


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

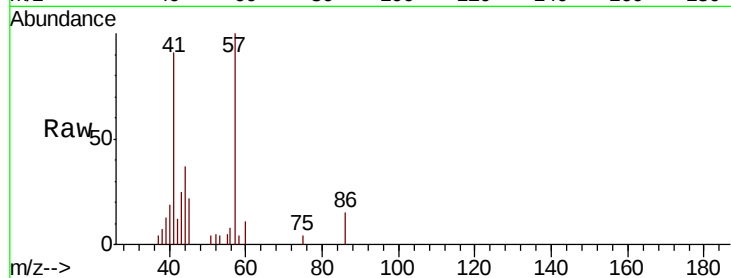




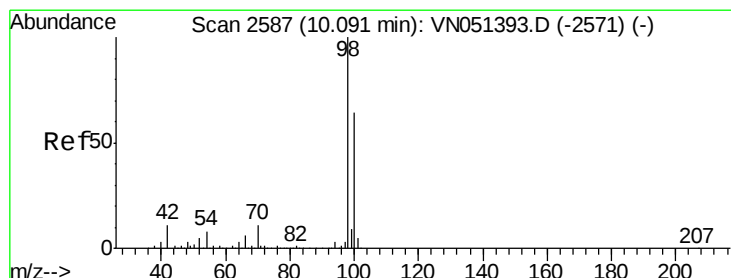
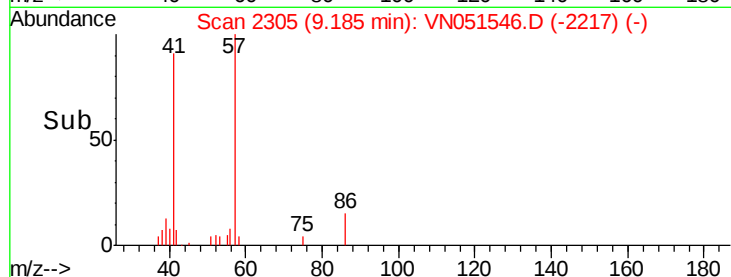
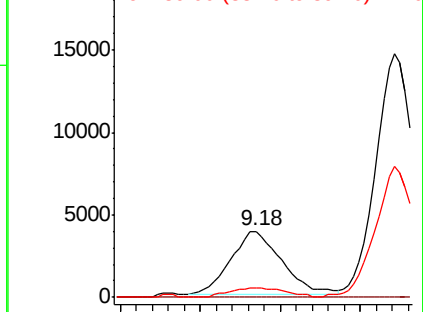
#48
Methvl methacrylate
Concen: 1.316 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#03

Tot Ion: 41 Resp: 8388
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 16.5 43.8 65.8#

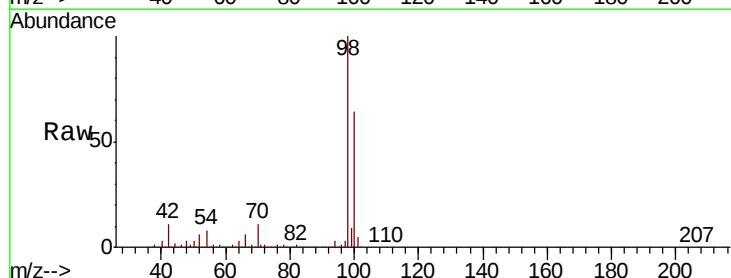


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

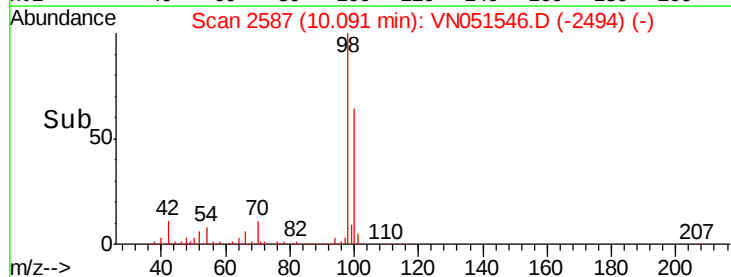
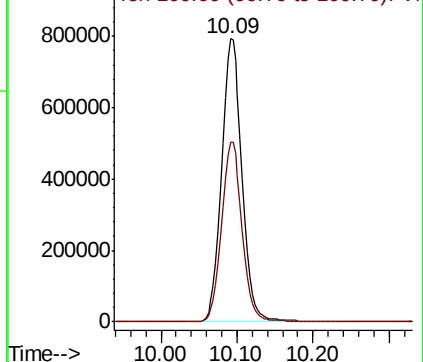


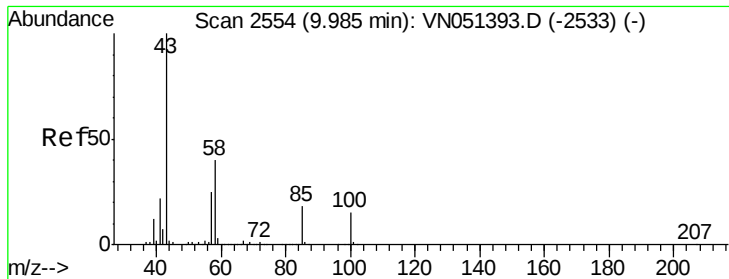
#50
Toluene-d8
Concen: 46.231 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

Tgt Ion: 98 Resp: 1477816
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8



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

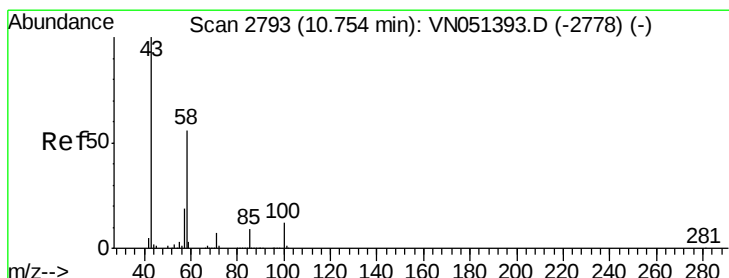
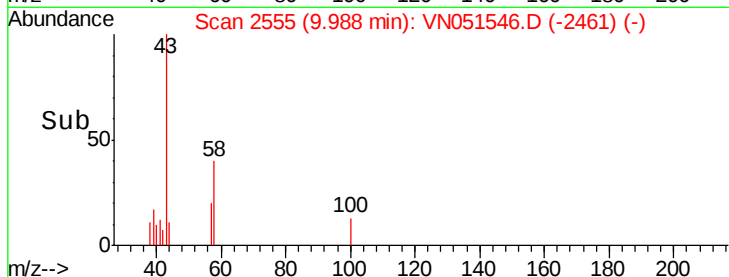
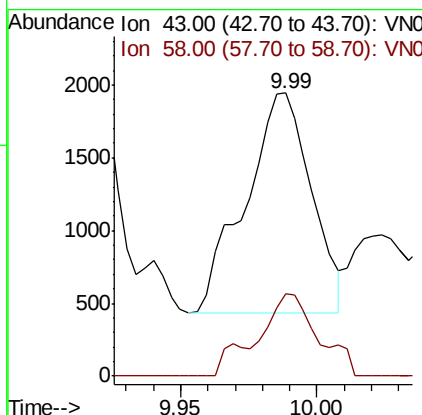
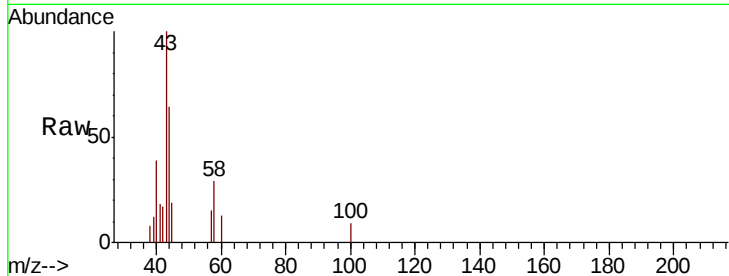




#51
4-Methyl-2-Pentanone
Concen: 0.360 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

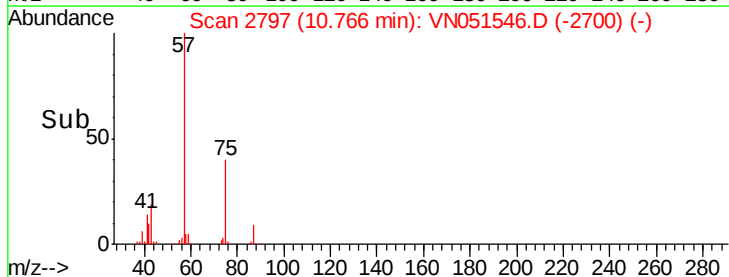
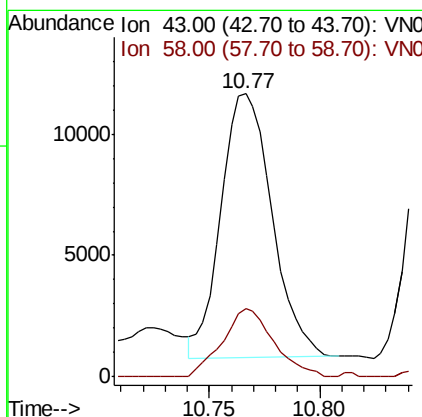
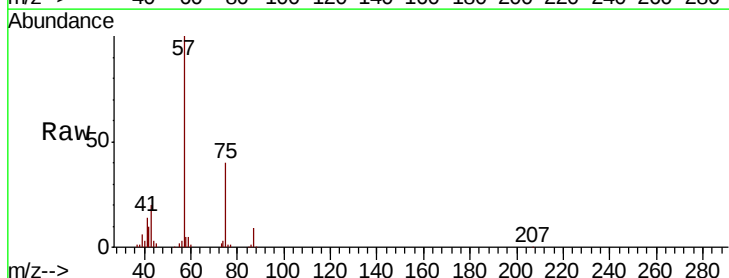
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#03

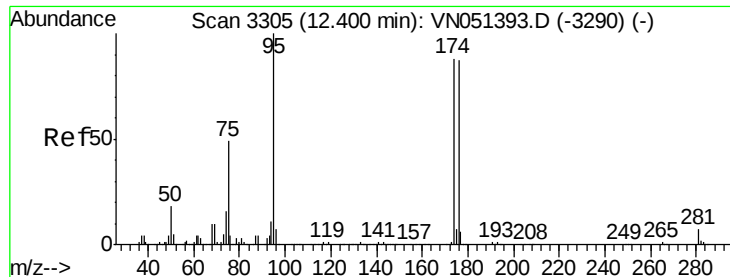
Tot Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
58 28.9 31.5 47.3#



#59
2-Hexanone
Concen: 3.824 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

Tgt Ion: 43 Resp: 17425
Ion Ratio Lower Upper
43 100
58 26.0 27.7 83.0#

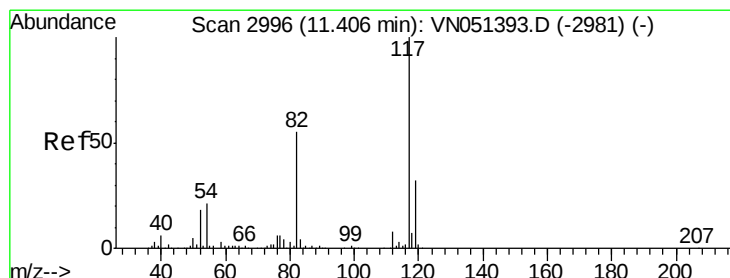
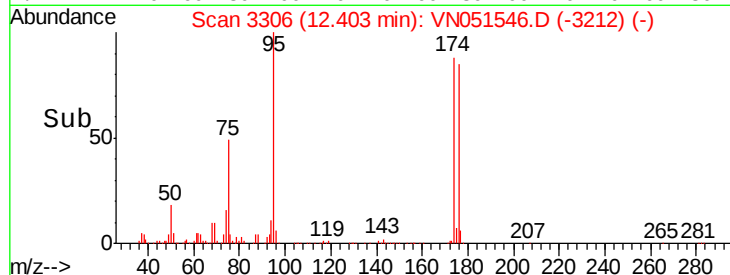
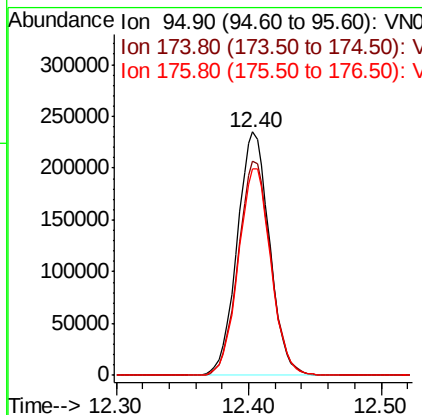
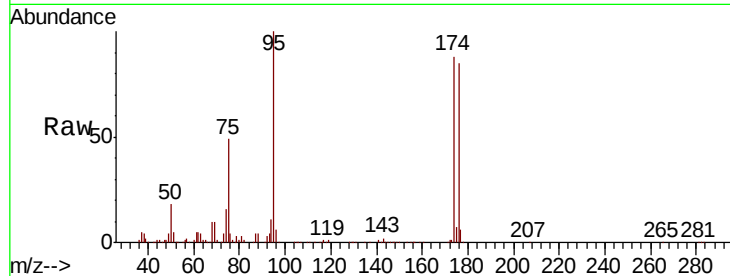




#62
4-Bromofluorobenzene
Concen: 38.446 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

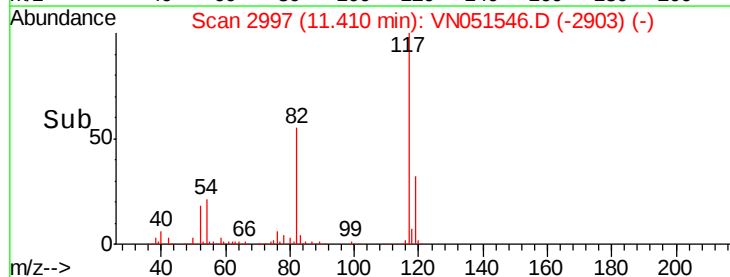
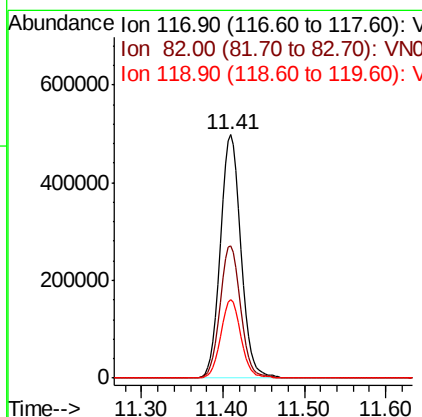
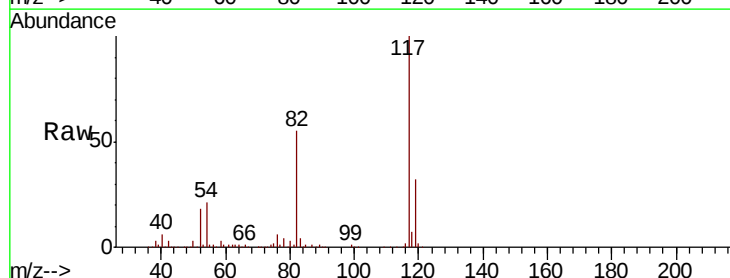
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#03

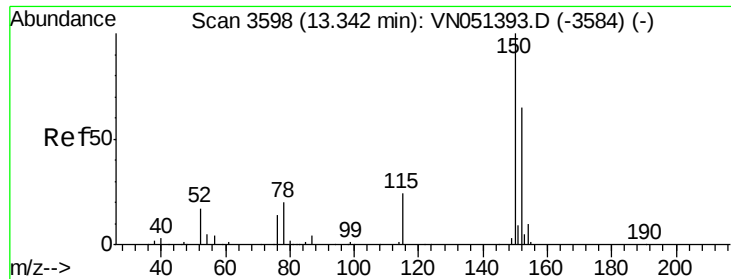
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	181.6
176	85.5	0.0	176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051546.D
Acq: 26 Sep 2018 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	32.4	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#03

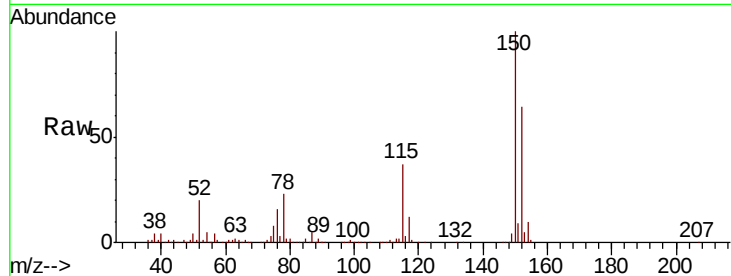
Tot Ion:152 Resp: 306213

Ion Ratio Lower Upper

152 100

115 57.1 28.3 84.9

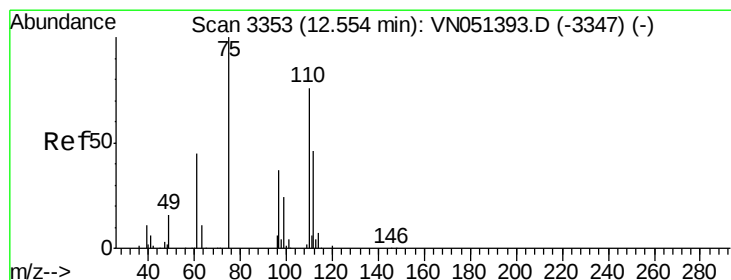
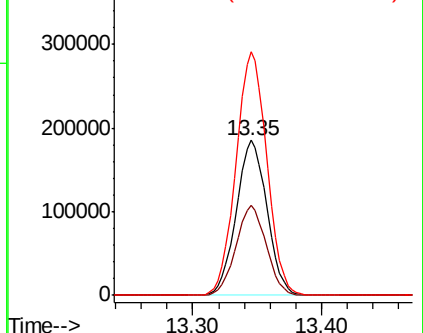
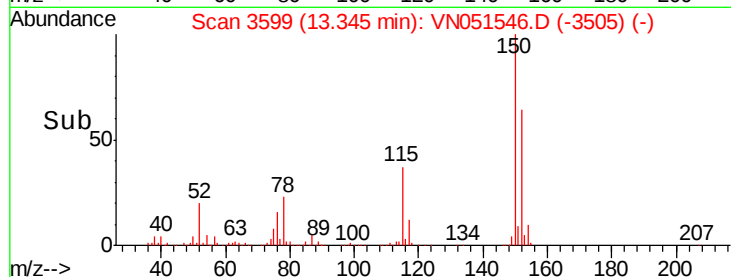
150 157.4 0.0 353.6



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: 38.101 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051546.D

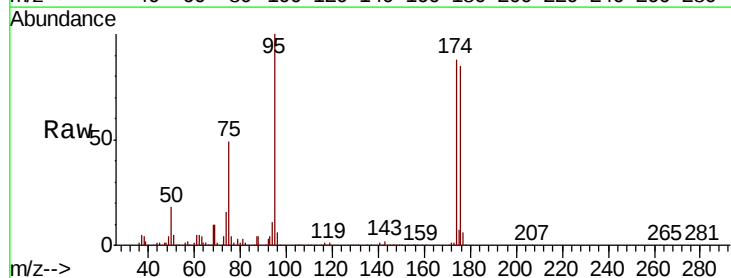
Acq: 26 Sep 2018 19:58

Tgt Ion: 75 Resp: 193682

Ion Ratio Lower Upper

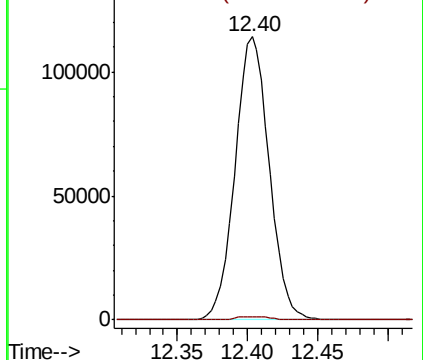
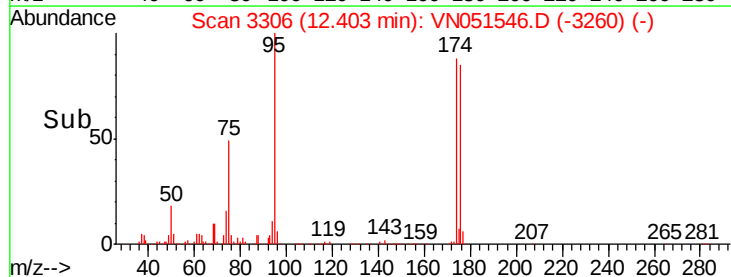
75 100

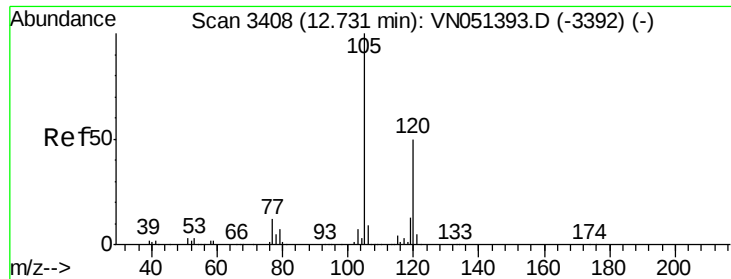
77 1.3 0.0 0.0#



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: 0.219 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

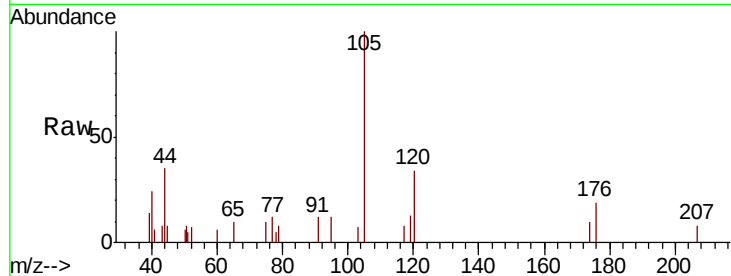
PB113219ZHE#03

Tot Ion:105 Resp: 4610

Ion Ratio Lower Upper

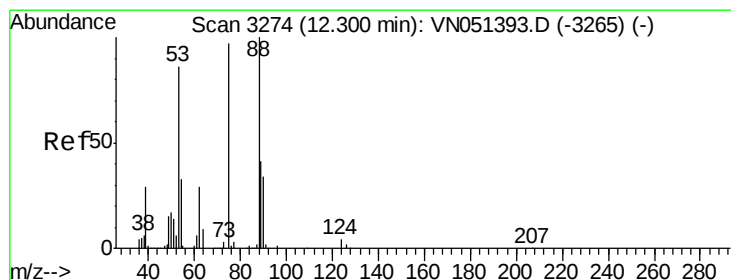
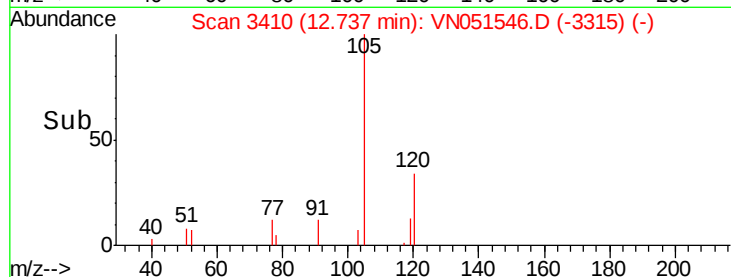
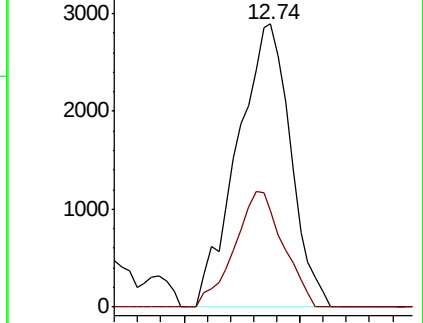
105 100

120 37.4 24.8 74.4



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: 117.159 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

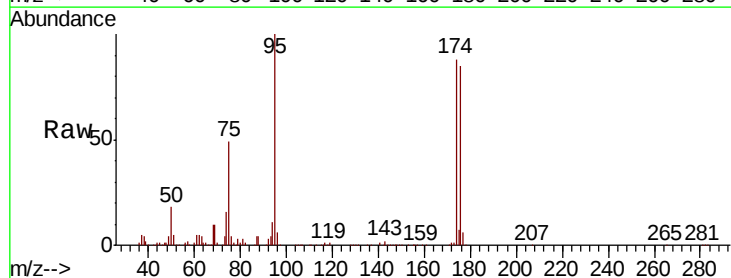
Tgt Ion: 75 Resp: 193682

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

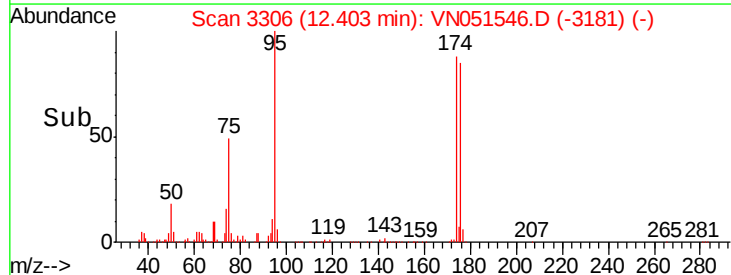
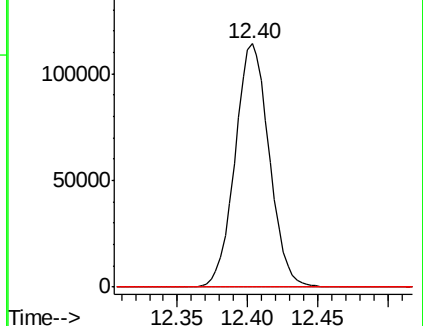
89 0.0 36.7 55.1#

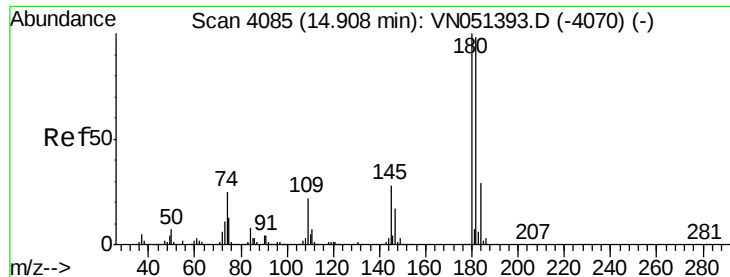


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2,4-Trichlorobenzene

Concen: 6.008 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#03

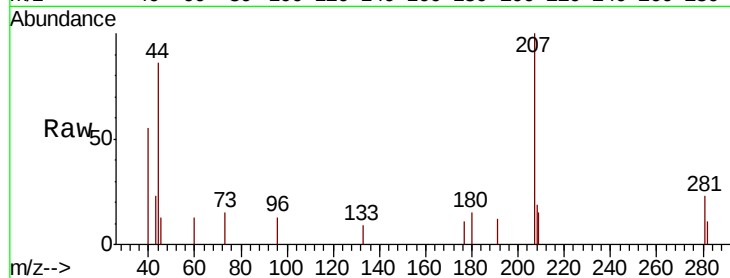
Tot Ion:180 Resp: 176

Ion Ratio Lower Upper

180 100

182 168.2 48.5 145.6#

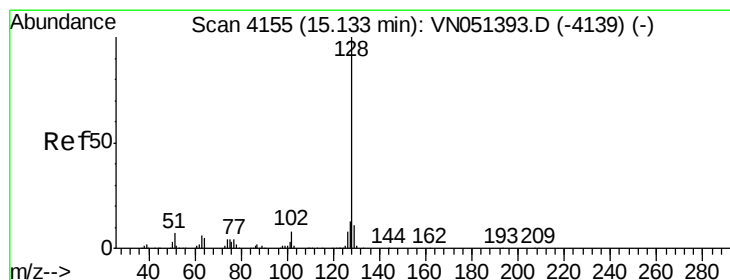
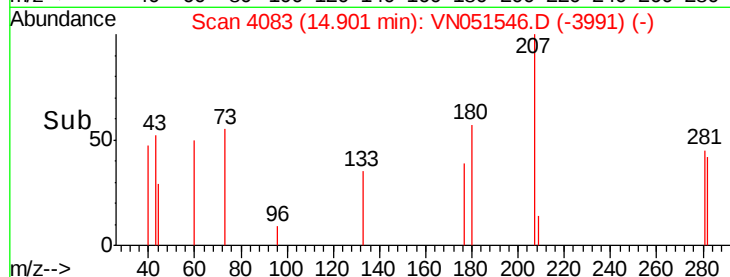
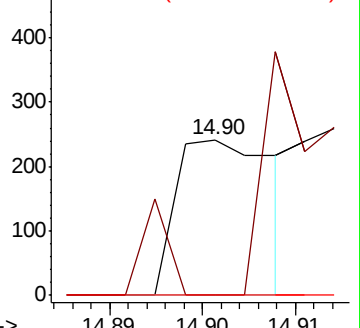
145 0.0 14.1 42.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 8.148 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051546.D

Acq: 26 Sep 2018 19:58

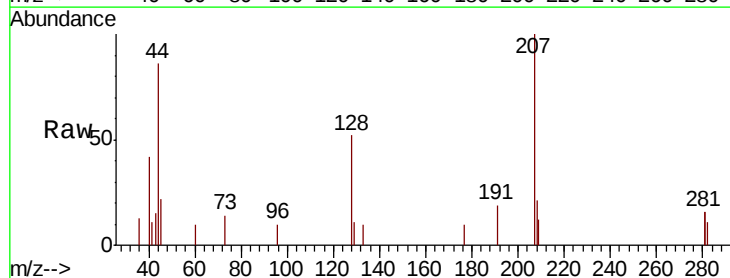
Tgt Ion:128 Resp: 1412

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 10.9 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

