

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051944.D
 Acq On : 19 Oct 2018 13:33
 Operator : MD\SY
 Sample : PB113937ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#05

Quant Time: Oct 19 23:07:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	967231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1407996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1215452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	522756	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	7.59	113	523484	58.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.98%	
50) Toluene-d8	10.09	98	1911872	58.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.38%	
62) 4-Bromofluorobenzene	12.40	95	523815	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

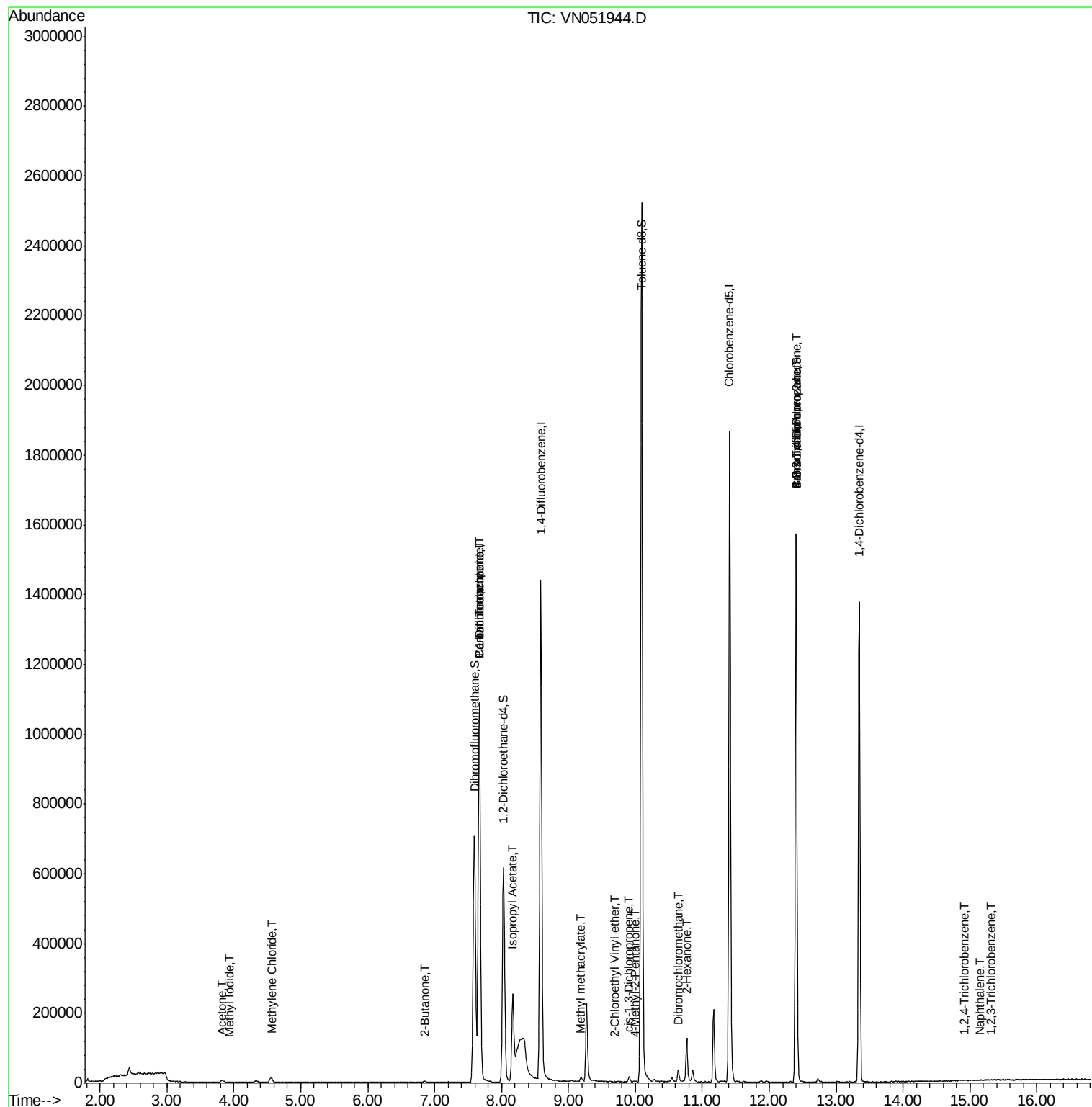
					Qvalue	
5) Bromomethane	2.57	94	2980	Below Cal	#	78
10) Methyl Iodide	3.95	142	100	3.291	ug/l #	41
16) Acetone	3.83	43	10436	6.573	ug/l #	88
18) Methyl Acetate	4.34	43	10137	Below Cal		91
20) Methylene Chloride	4.56	84	11418	1.415	ug/l	92
25) 2-Butanone	6.85	43	1789	0.788	ug/l #	82
31) Cyclohexane	7.66	56	16253	Below Cal	#	46
36) 1,1-Dichloropropene	7.66	75	60619	5.547	ug/l #	46
37) Ethyl Acetate	6.98	43	279	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	86033	6.685	ug/l #	15
43) Isopropyl Acetate	8.17	43	300622	29.745	ug/l #	86
48) Methyl methacrylate	9.18	41	4737	1.074	ug/l #	9
51) 4-Methyl-2-Pentanone	9.98	43	1111	0.218	ug/l #	33
54) cis-1,3-Dichloropropene	9.90	75	2760	0.232	ug/l #	72
58) 2-Chloroethyl Vinyl ether	9.69	63	31	2.758	ug/l #	40
59) 2-Hexanone	10.76	43	14443	4.234	ug/l #	58
60) Dibromochloromethane	10.63	129	64	2.057	ug/l #	11
71) Bromoform	12.40	173	4155	3.805	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	263352	53.346	ug/l #	100
79) 2-Chlorotoluene	12.78	91	434	Below Cal		93
81) trans-1,4-Dichloro-2-buten	12.40	75	263352	175.293	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	199	4.089	ug/l #	75
95) Naphthalene	15.14	128	735	4.112	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	72	2.924	ug/l #	12

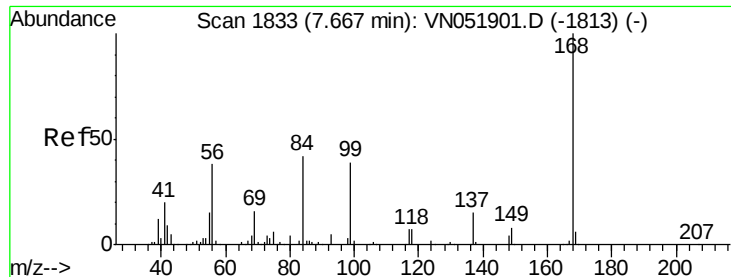
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

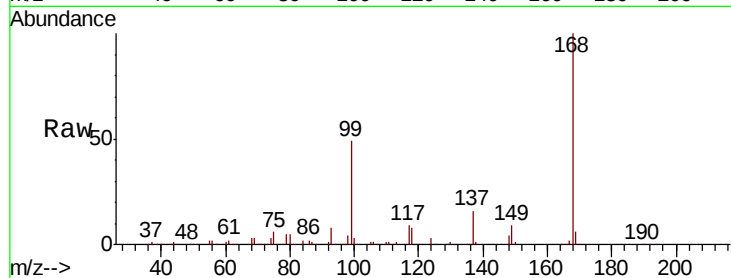
PB113937ZHE#05

Tot Ion:168 Resp: 967231

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VN051901.D

Ion 98.90 (98.60 to 99.60): VN051901.D

7.67

400000

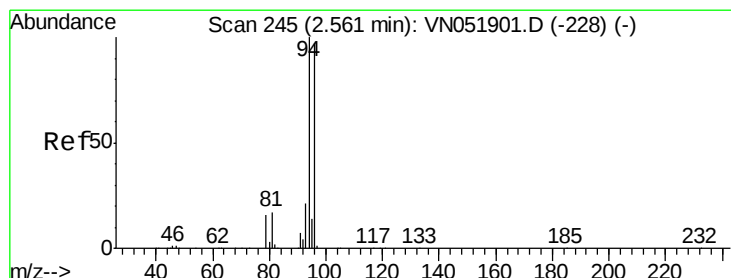
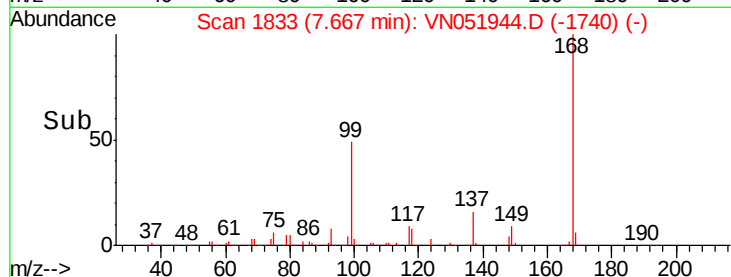
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051944.D

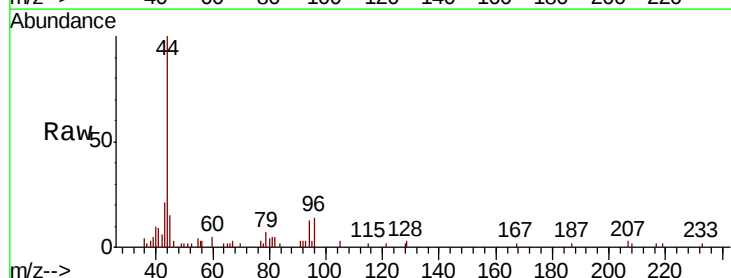
Acq: 19 Oct 2018 13:33

Tgt Ion: 94 Resp: 2980

Ion Ratio Lower Upper

94 100

96 74.9 77.5 116.3#



Abundance Ion 93.90 (93.60 to 94.60): VN051901.D

Ion 95.90 (95.60 to 96.60): VN051901.D

2.57

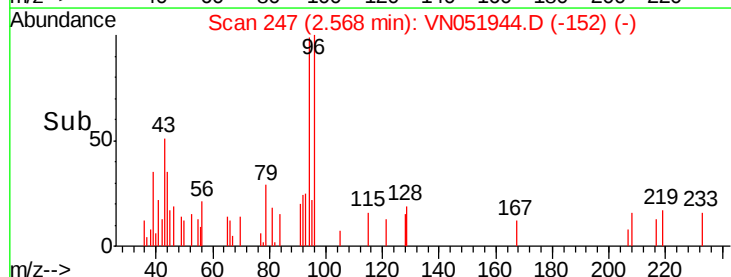
1500

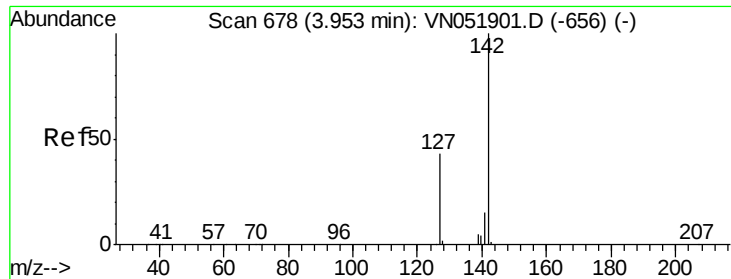
1000

500

0

Time-->

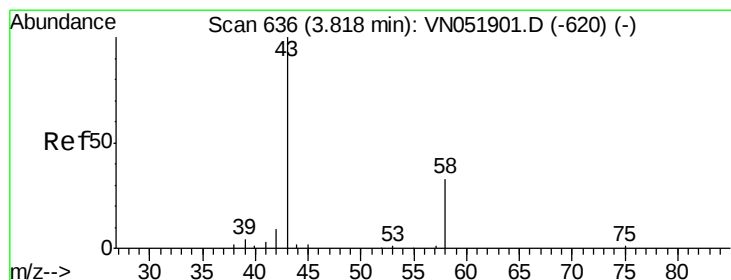
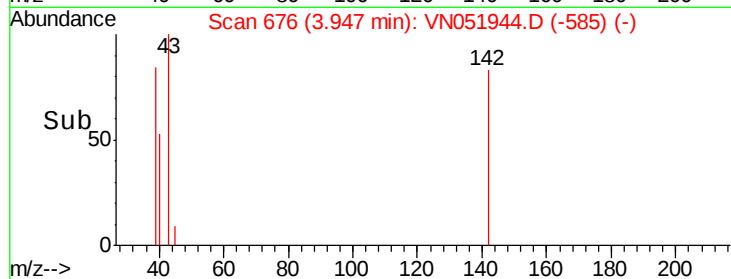
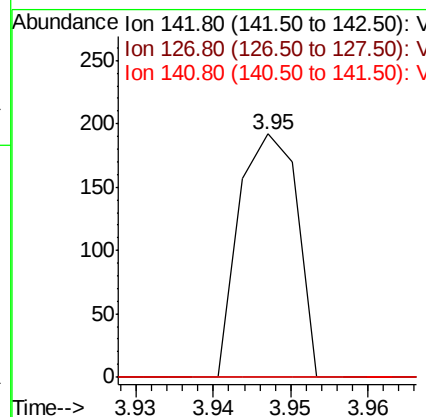
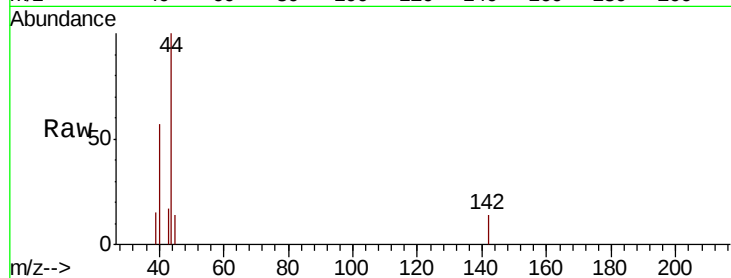




#10
Methvl Iodide
Concen: 3.291 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

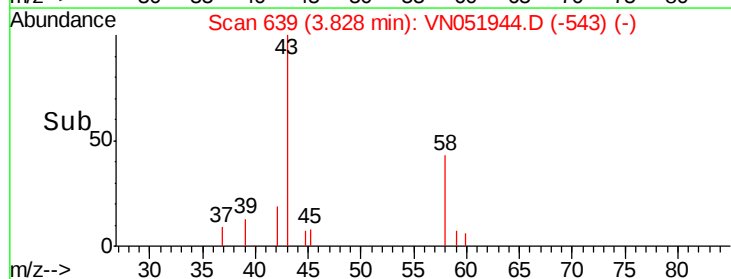
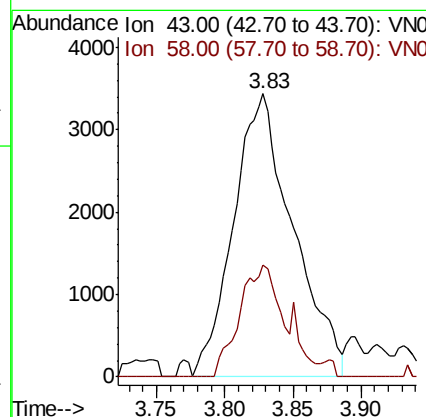
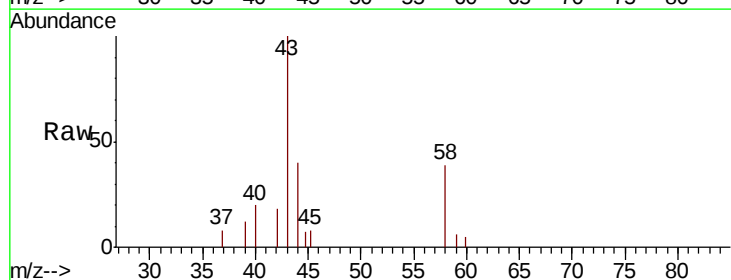
Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#05

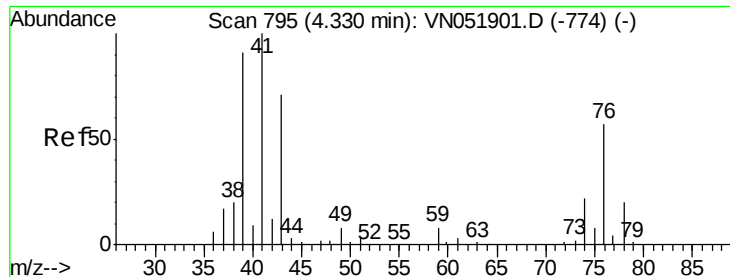
Tot Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 0.0 34.3 51.5#
141 0.0 11.1 16.7#



#16
Acetone
Concen: 6.573 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

Tgt Ion: 43 Resp: 10436
Ion Ratio Lower Upper
43 100
58 39.3 25.9 38.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

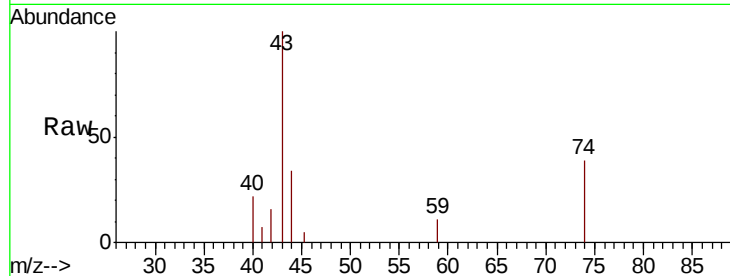
PB113937ZHE#05

Tot Ion: 43 Resp: 10137

Ion Ratio Lower Upper

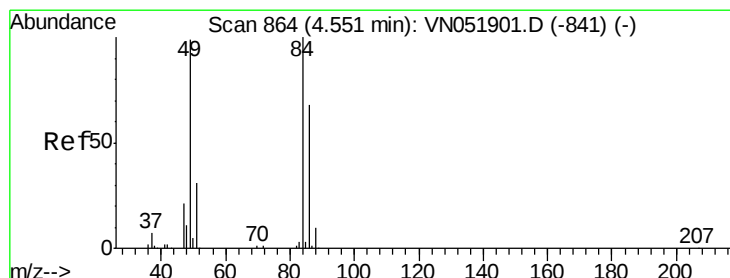
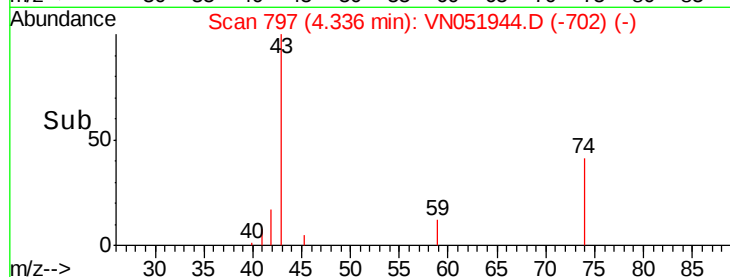
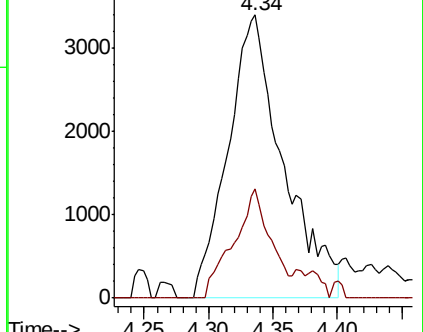
43 100

74 26.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN051944.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN051944.D (-774) (-)



#20

Methylene Chloride

Concen: 1.415 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Tgt Ion: 84 Resp: 11418

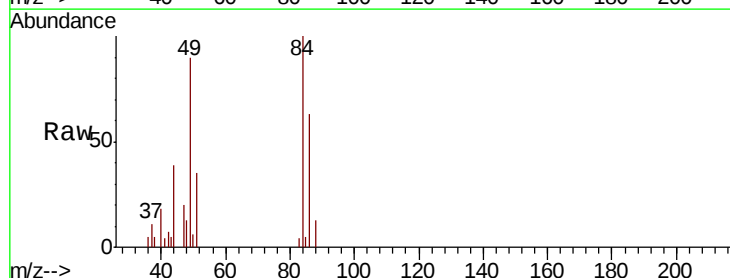
Ion Ratio Lower Upper

84 100

49 89.9 79.0 118.4

51 34.6 24.9 37.3

86 63.0 54.6 82.0

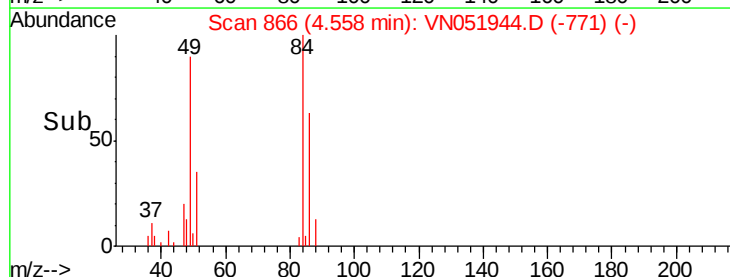
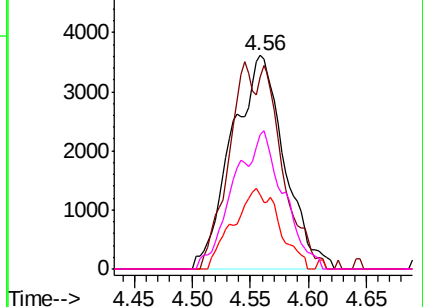


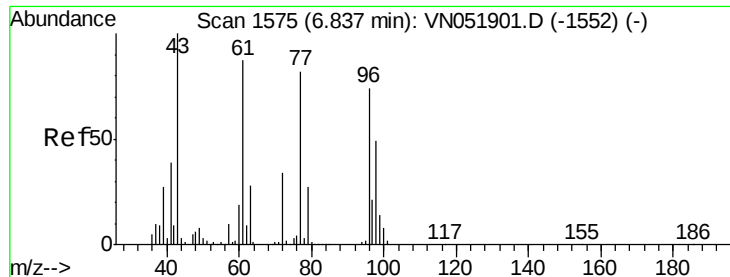
Abundance Ion 83.90 (83.60 to 84.60): VN051944.D (-771) (-)

Ion 48.90 (48.60 to 49.60): VN051944.D (-771) (-)

Ion 50.90 (50.60 to 51.60): VN051944.D (-771) (-)

Ion 85.90 (85.60 to 86.60): VN051944.D (-771) (-)





#25

2-Butanone

Concen: 0.788 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

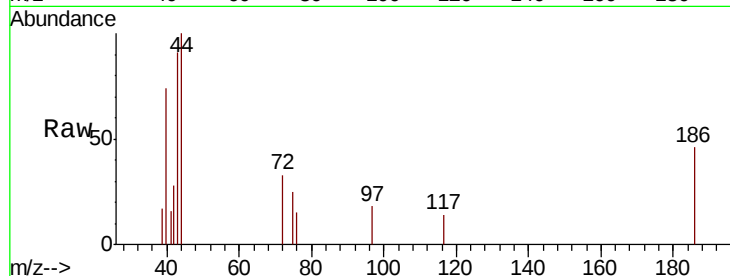
PB113937ZHE#05

Tot Ion: 43 Resp: 1789

Ion Ratio Lower Upper

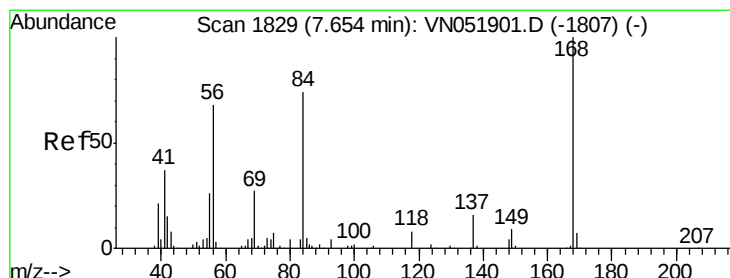
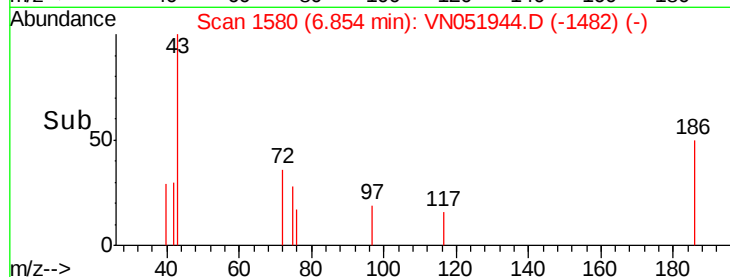
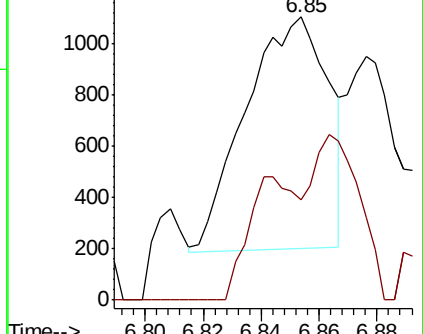
43 100

72 43.8 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

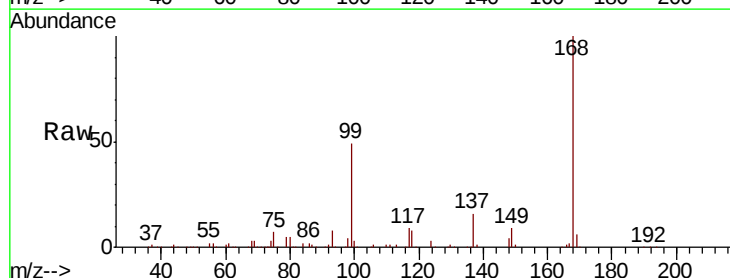
Tgt Ion: 56 Resp: 16253

Ion Ratio Lower Upper

56 100

69 150.6 31.2 46.8#

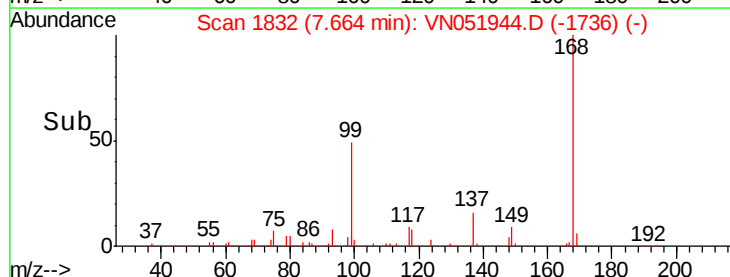
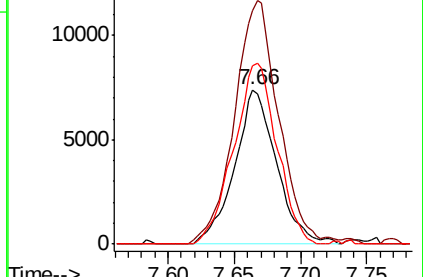
84 115.7 86.6 130.0

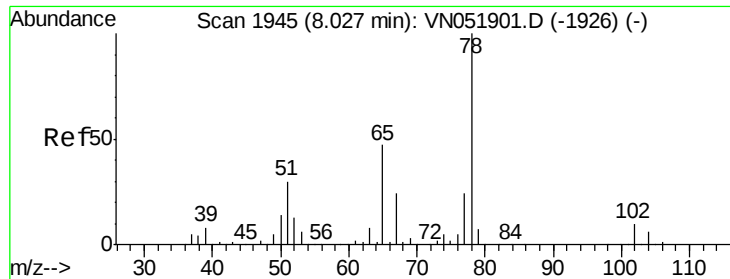


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

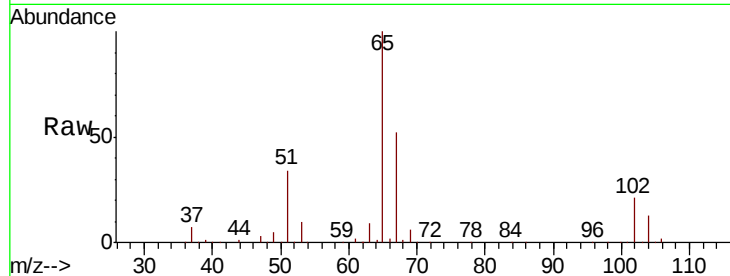
PB113937ZHE#05

Tot Ion: 65 Resp: 522756

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

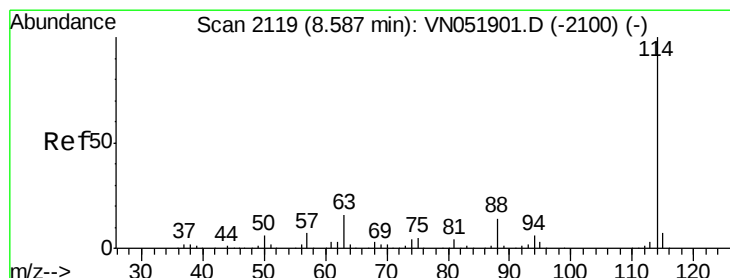
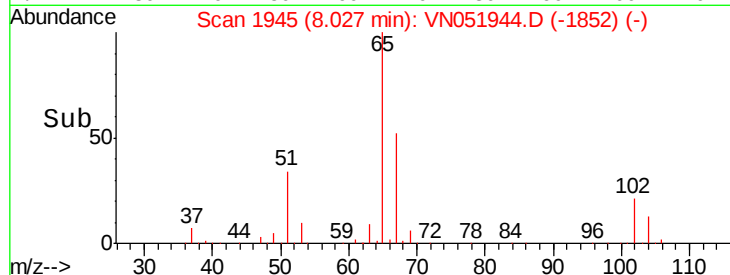
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

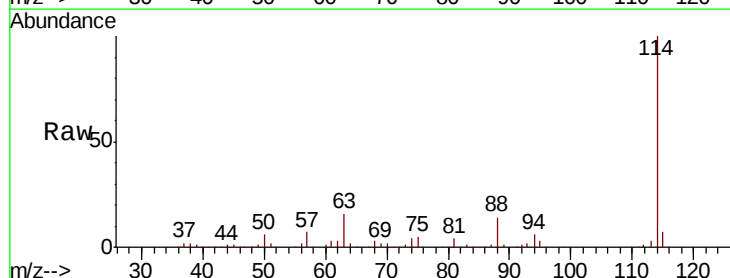
Tgt Ion:114 Resp: 1407996

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.8

88 13.9 0.0 28.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

800000

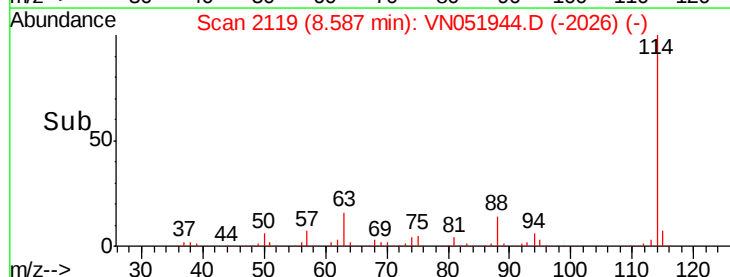
600000

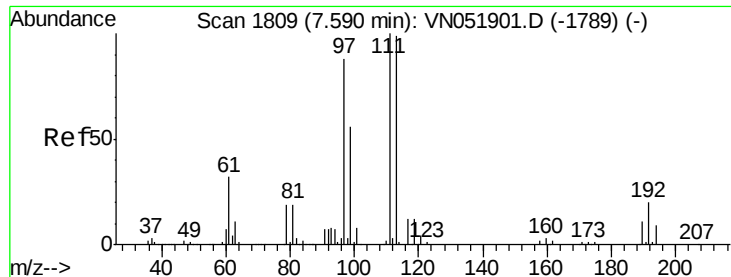
400000

200000

0

Time--> 8.50 8.60 8.70

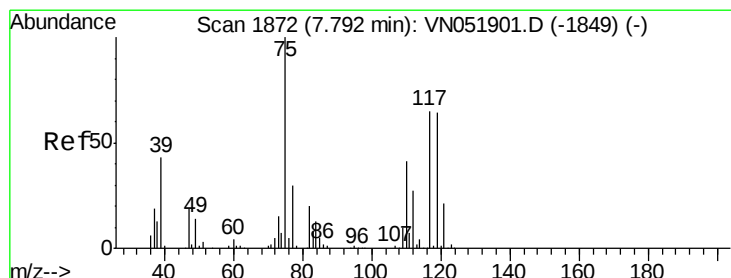
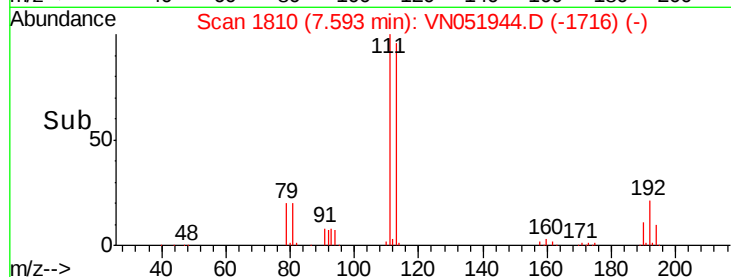
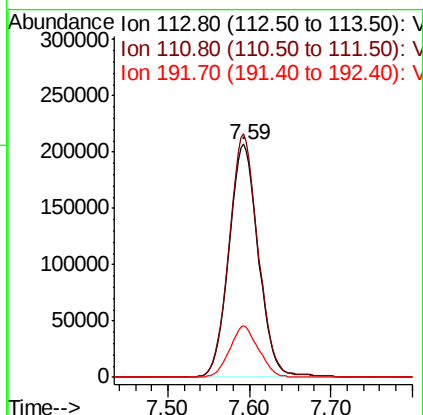
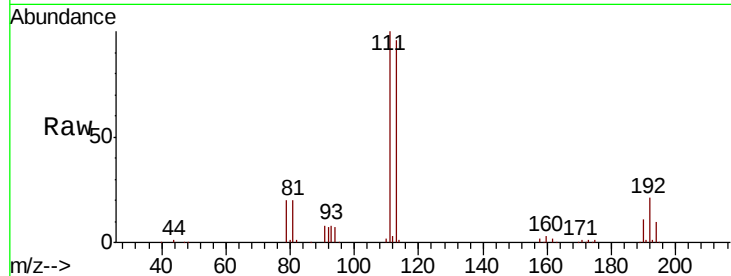




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

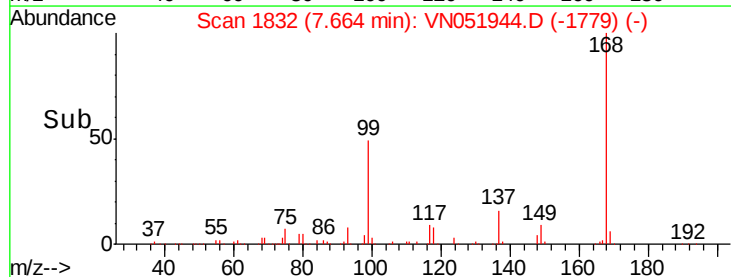
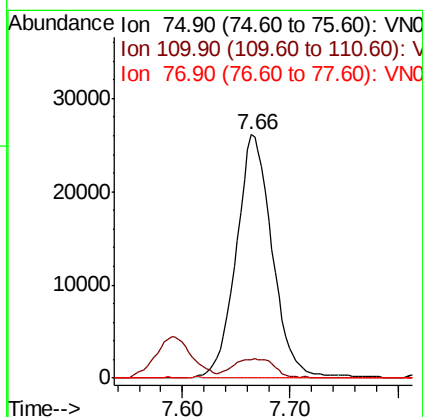
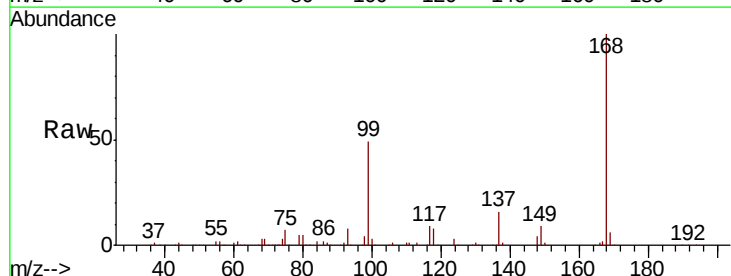
Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#05

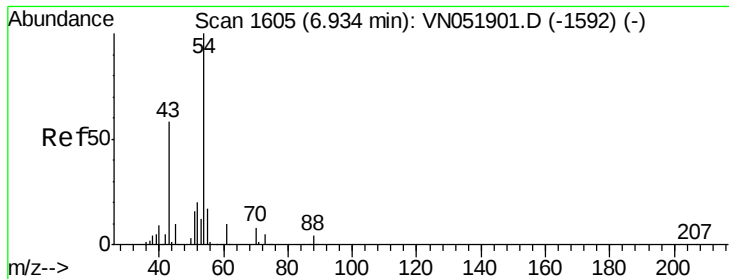
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	21.6	17.3	25.9



#36
1,1-Dichloropropene
Concen: 5.547 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	21.0	63.0#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.98 min Scan# 1618

Delta R.T. 0.04 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#05

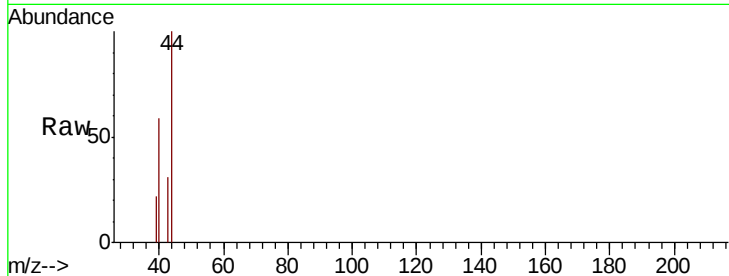
Tot Ion: 43 Resp: 279

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

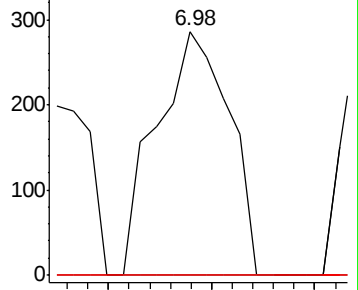
70 0.0 10.4 15.6#



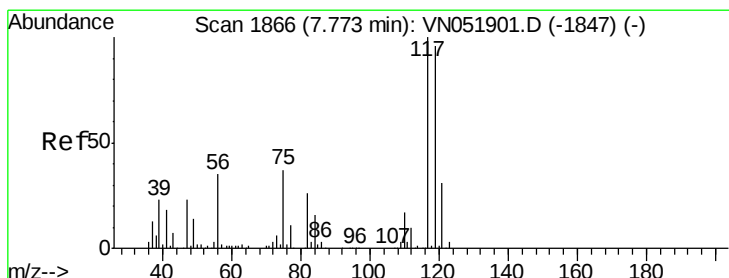
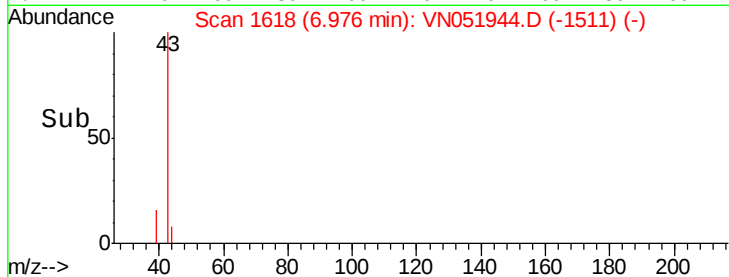
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



Time-->



#38

Carbon Tetrachloride

Concen: 6.685 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

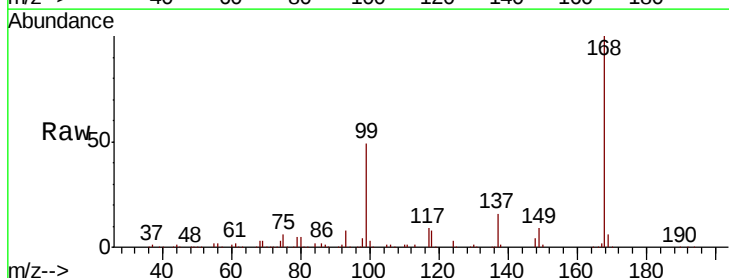
Tgt Ion: 117 Resp: 86033

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

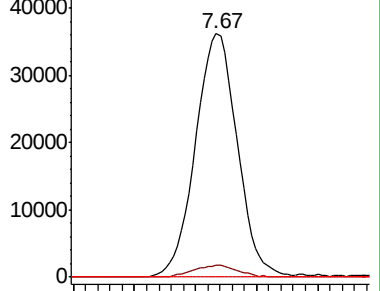
121 0.0 25.1 37.7#



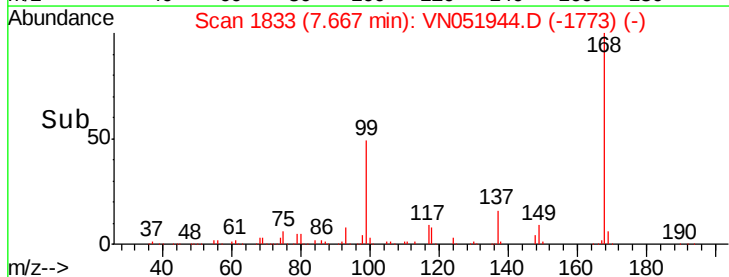
Abundance Ion 116.80 (116.50 to 117.50): V

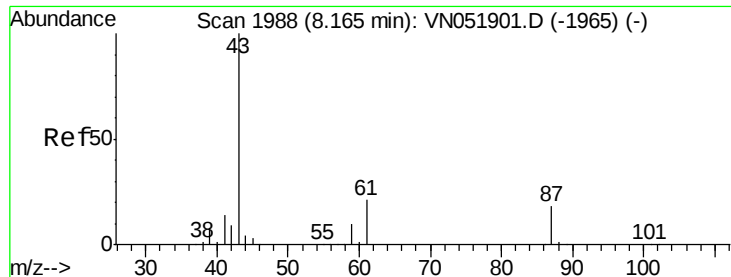
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->





#43

Isopropyl Acetate

Concen: 29.745 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#05

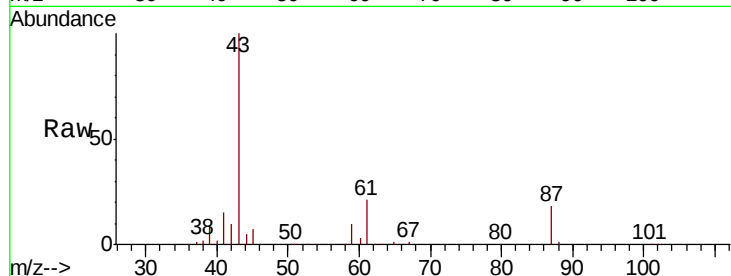
Tot Ion: 43 Resp: 300622

Ion Ratio Lower Upper

43 100

61 20.4 24.9 37.3#

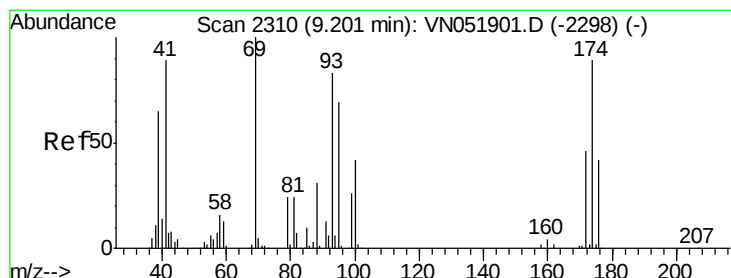
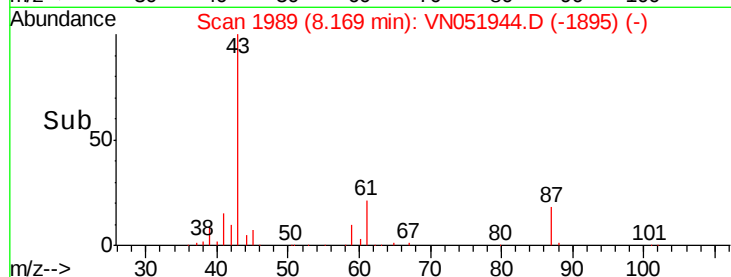
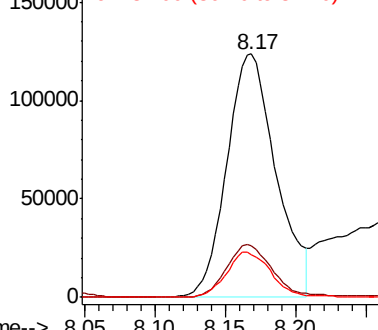
87 16.6 14.6 22.0



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

Methyl methacrylate

Concen: 1.074 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

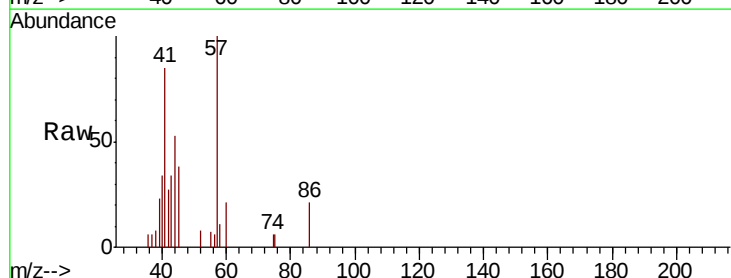
Tgt Ion: 41 Resp: 4737

Ion Ratio Lower Upper

41 100

69 0.0 90.2 135.2#

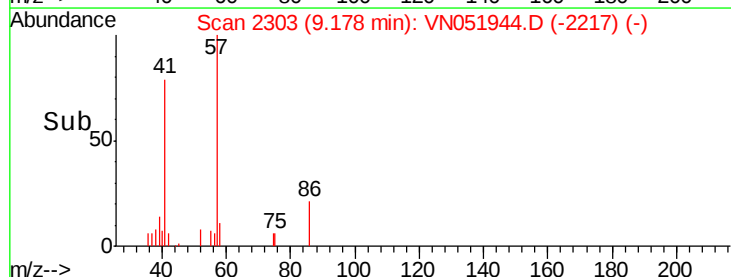
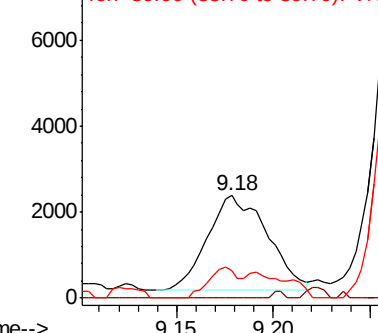
39 15.1 59.7 89.5#

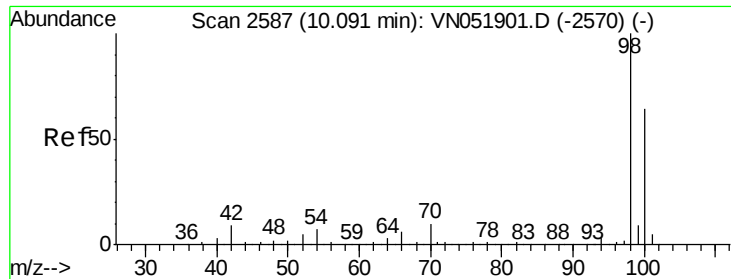


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

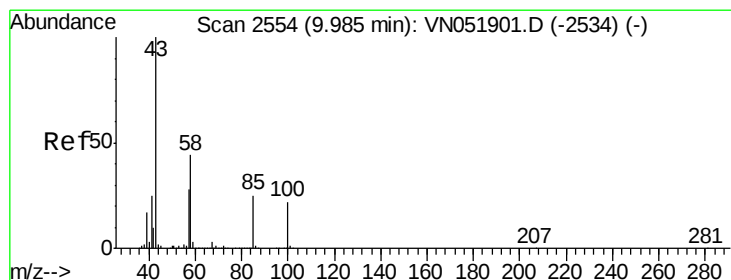
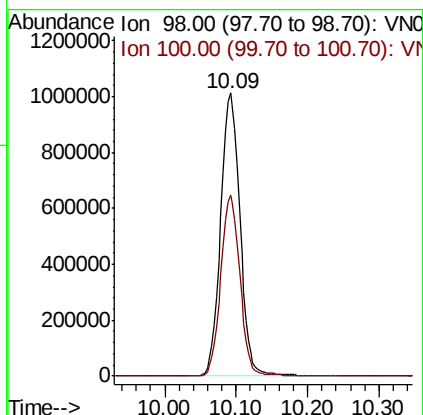
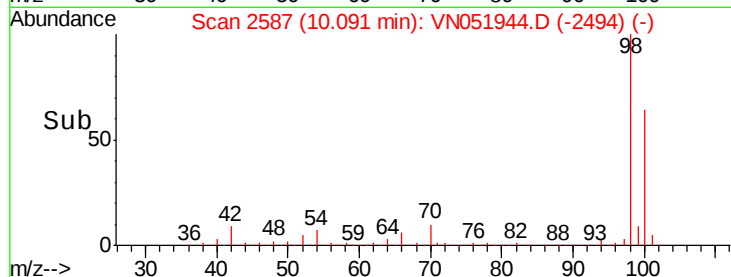
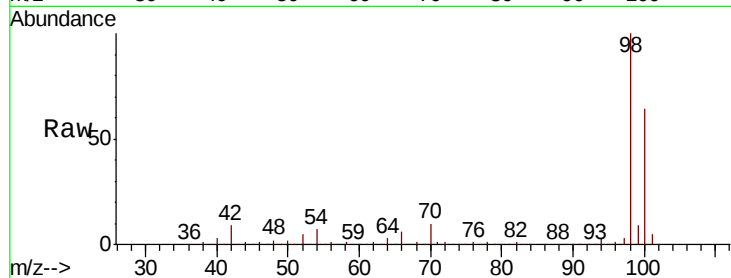
PB113937ZHE#05

Tot Ion: 98 Resp: 1911872

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.4



#51

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN051944.D

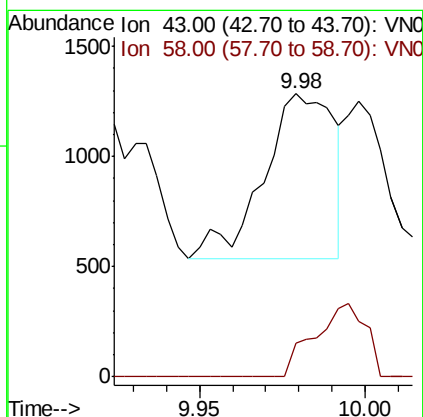
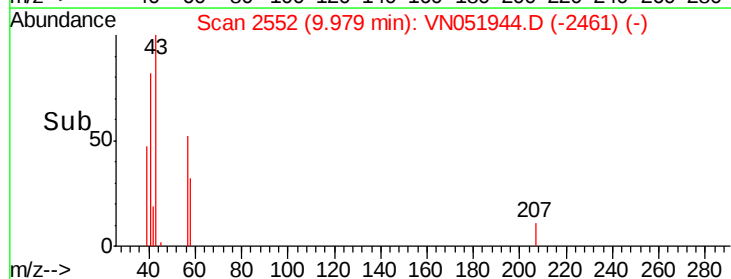
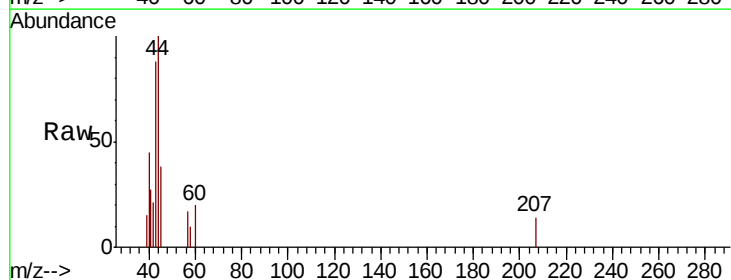
Acq: 19 Oct 2018 13:33

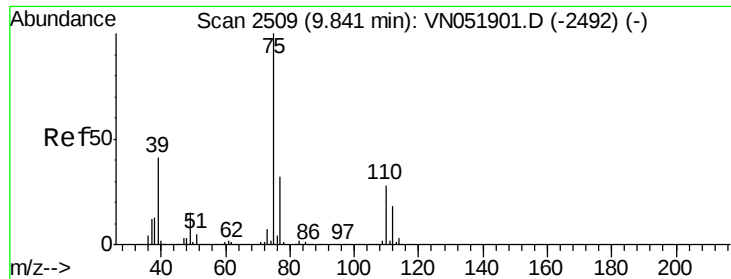
Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

58 0.0 34.6 52.0#





#54

cis-1,3-Dichloropropene

Concen: 0.232 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#05

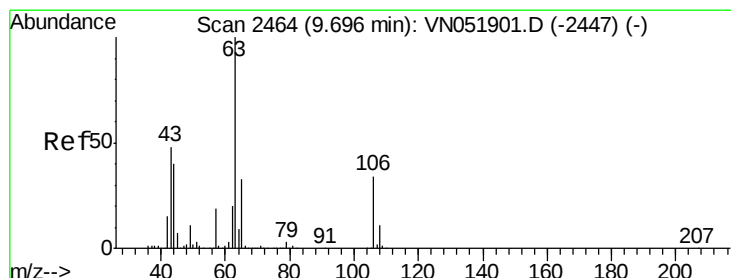
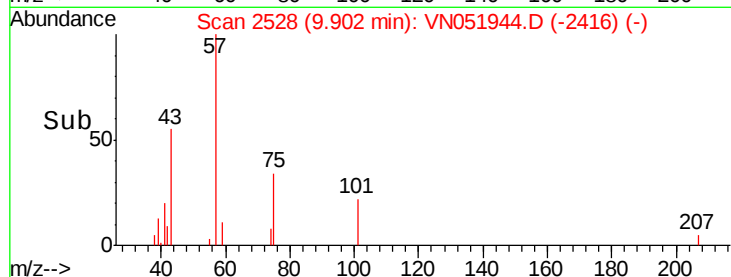
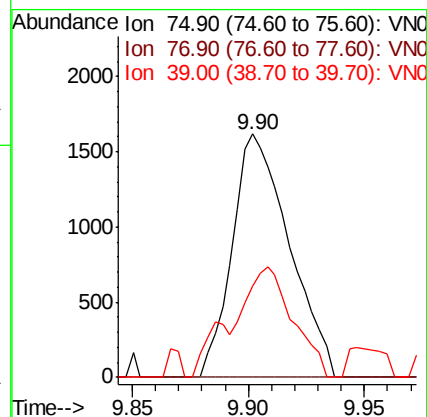
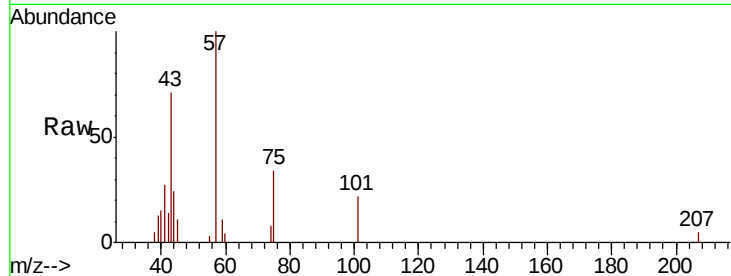
Tot Ion: 75 Resp: 2760

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 37.5 32.8 49.2



#58

2-Chloroethyl Vinyl ether

Concen: 2.758 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.01 min

Lab File: VN051944.D

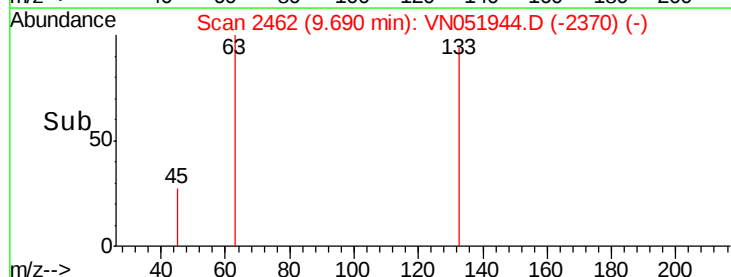
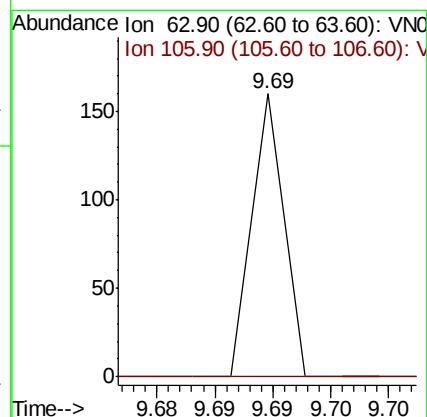
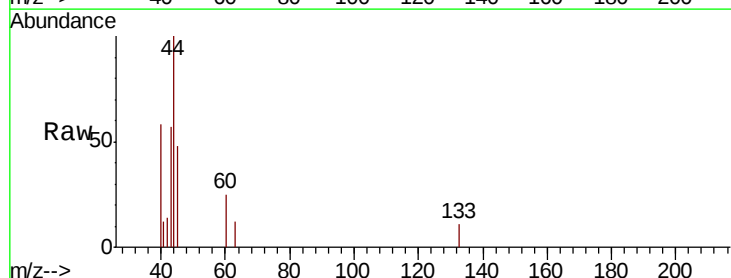
Acq: 19 Oct 2018 13:33

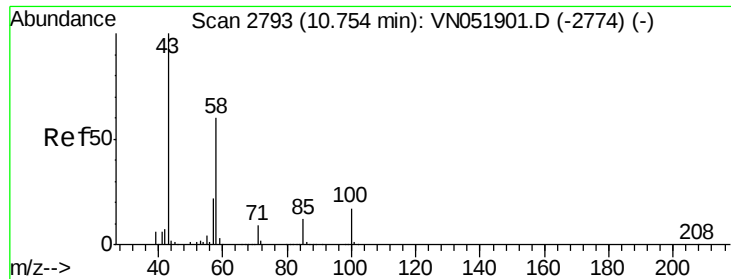
Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

63 100

106 0.0 27.5 41.3#





#59

2-Hexanone

Concen: 4.234 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

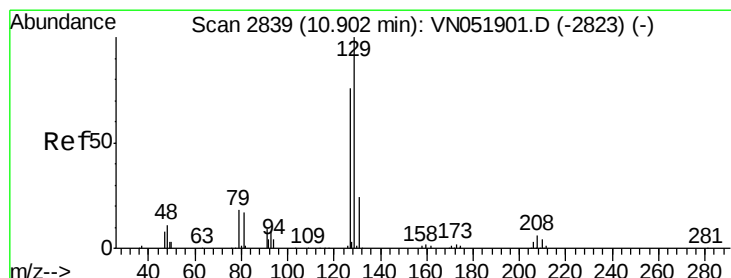
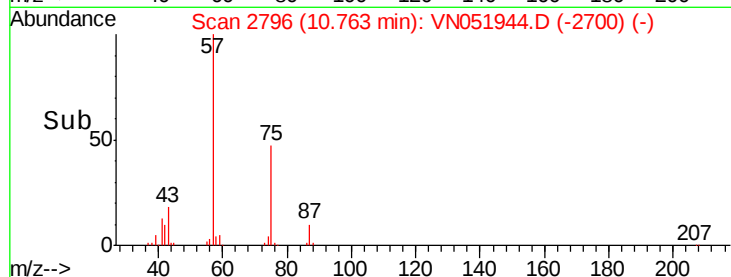
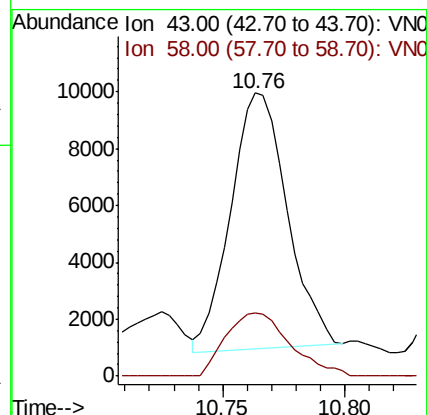
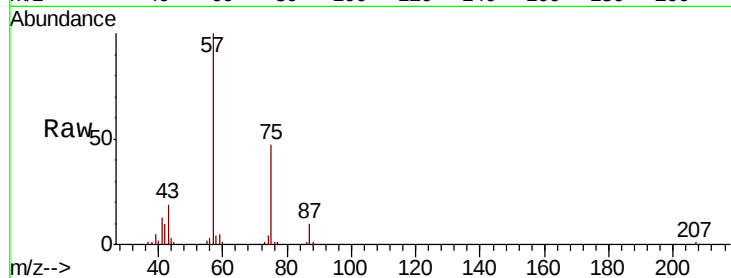
PB113937ZHE#05

Tot Ion: 43 Resp: 14443

Ion Ratio Lower Upper

43 100

58 28.2 29.8 89.5#



#60

Dibromochloromethane

Concen: 2.057 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN051944.D

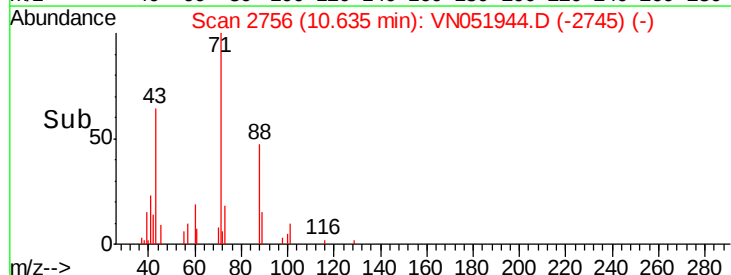
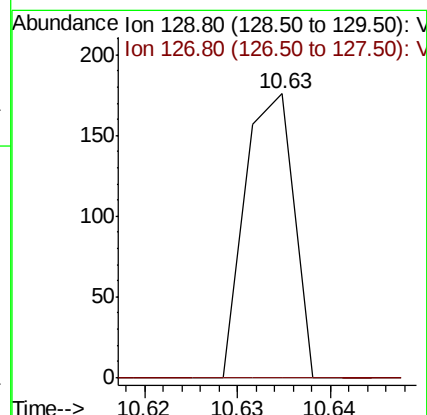
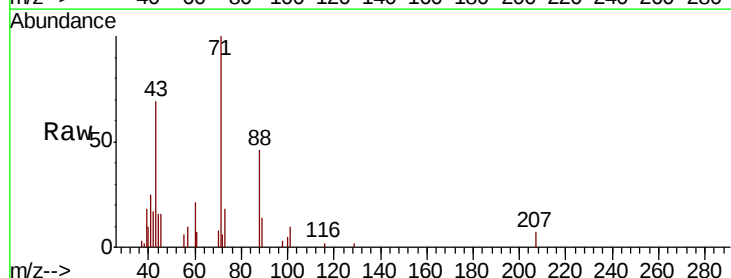
Acq: 19 Oct 2018 13:33

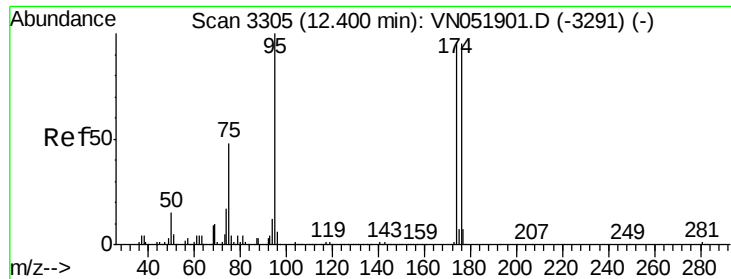
Tgt Ion: 129 Resp: 64

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#

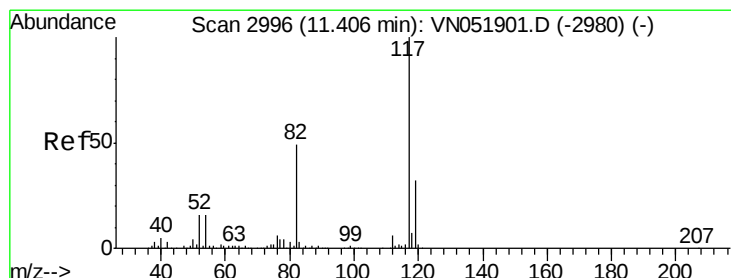
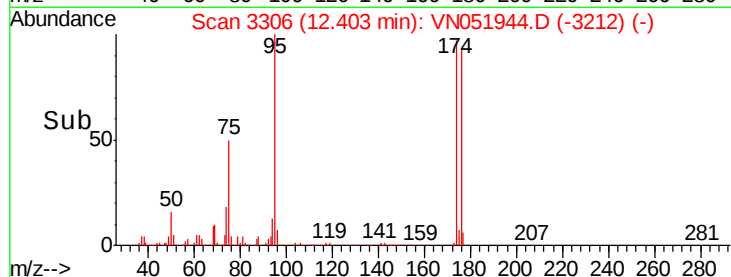
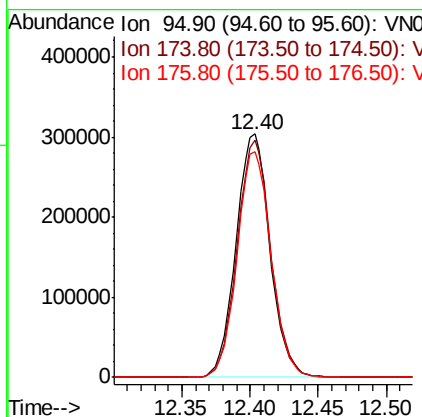
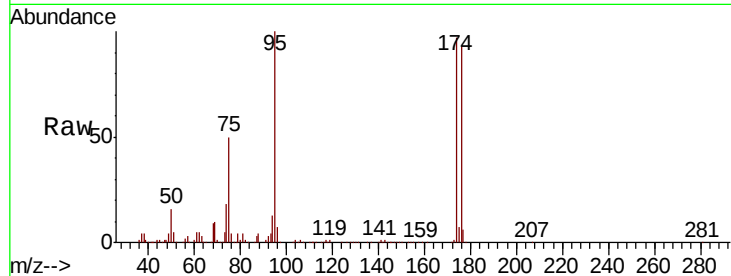




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

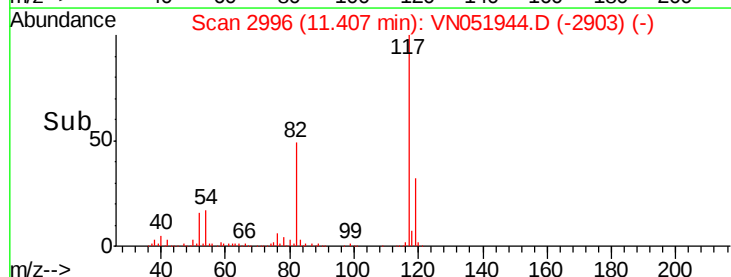
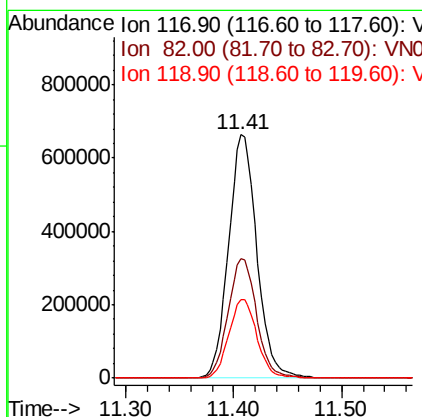
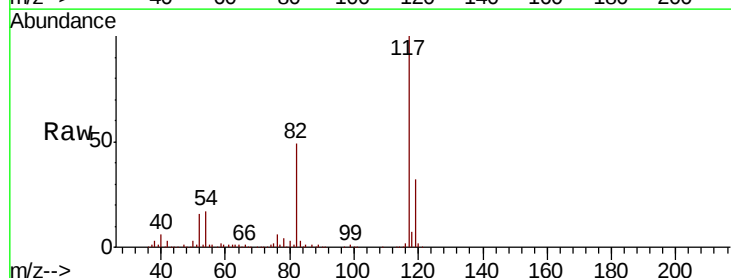
Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#05

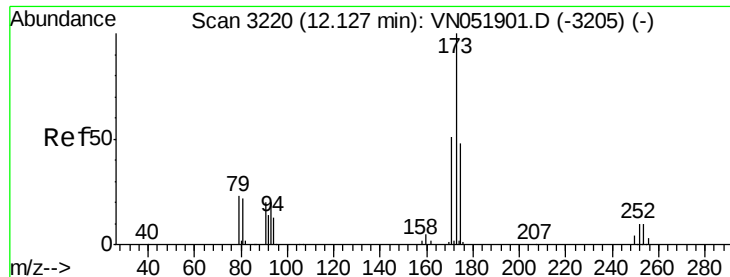
Tot Ion: 95 Resp: 523815
Ion Ratio Lower Upper
95 100
174 97.0 0.0 195.0
176 93.1 0.0 191.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

Tgt Ion: 117 Resp: 1215452
Ion Ratio Lower Upper
117 100
82 49.1 38.9 58.3
119 32.3 25.9 38.9





#71

Bromoform

Concen: 3.805 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#05

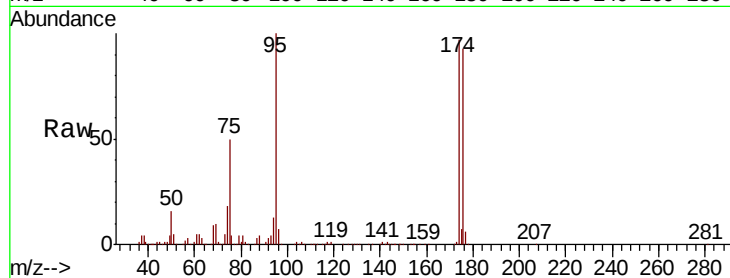
Tot Ion:173 Resp: 4155

Ion Ratio Lower Upper

173 100

175 752.9 24.0 72.0#

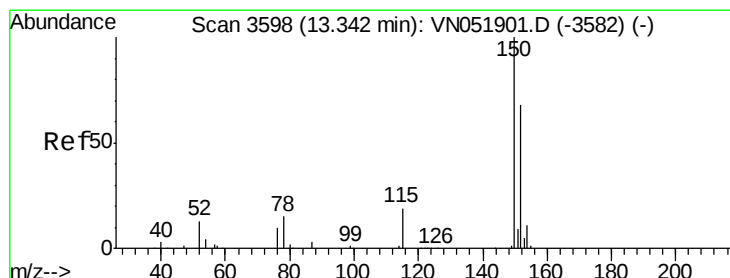
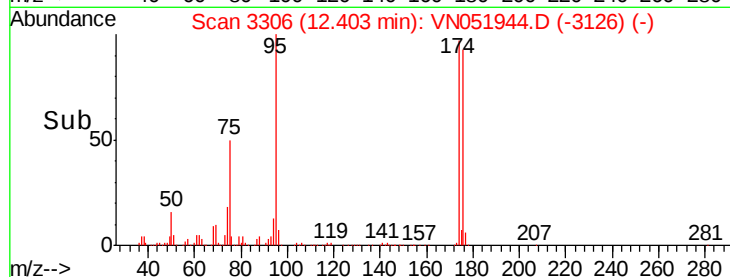
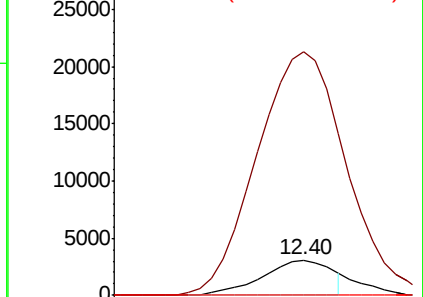
254 0.0 0.2 0.2#



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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

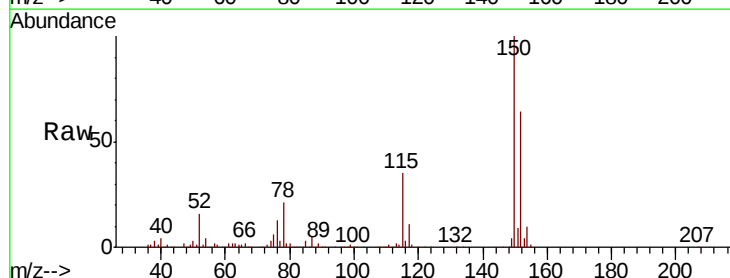
Tgt Ion:152 Resp: 406166

Ion Ratio Lower Upper

152 100

115 54.8 26.7 80.1

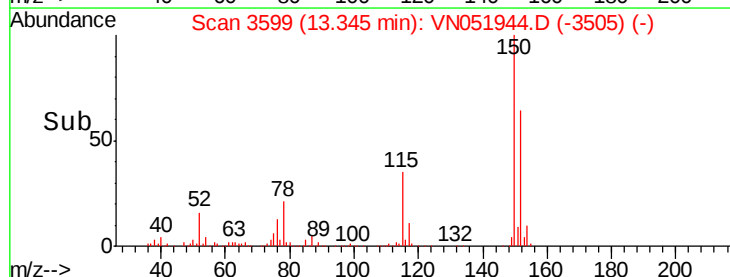
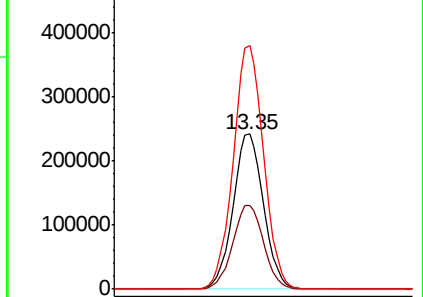
150 157.2 0.0 346.4

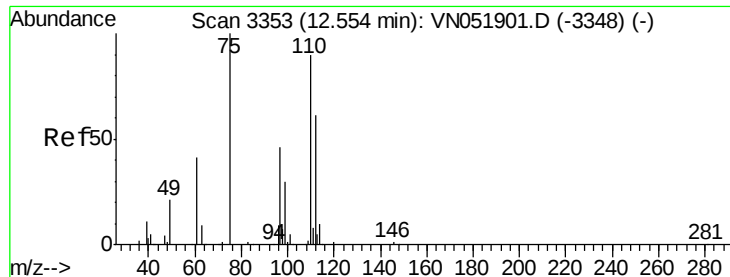


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.346 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

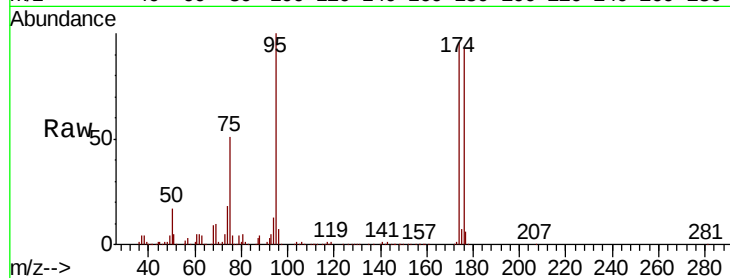
PB113937ZHE#05

Tot Ion: 75 Resp: 263352

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

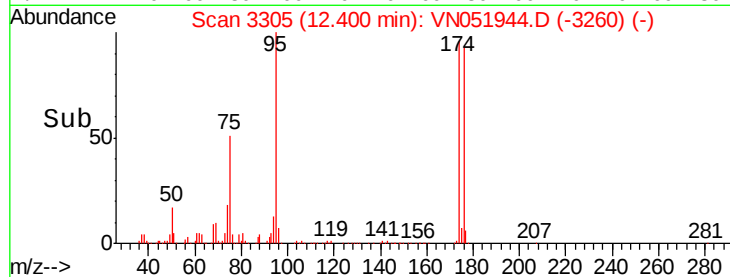
150000

100000

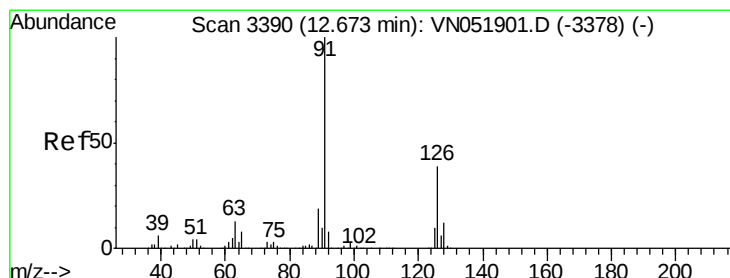
50000

0

12.30 12.40 12.50



Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.10 min

Lab File: VN051944.D

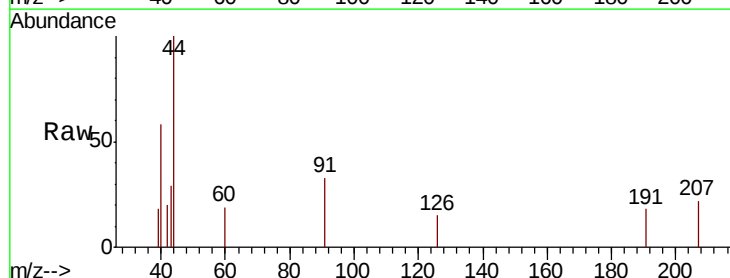
Acq: 19 Oct 2018 13:33

Tgt Ion: 91 Resp: 434

Ion Ratio Lower Upper

91 100

126 43.5 19.6 58.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

400

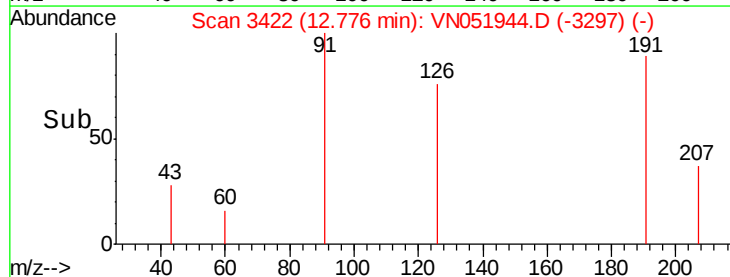
300

200

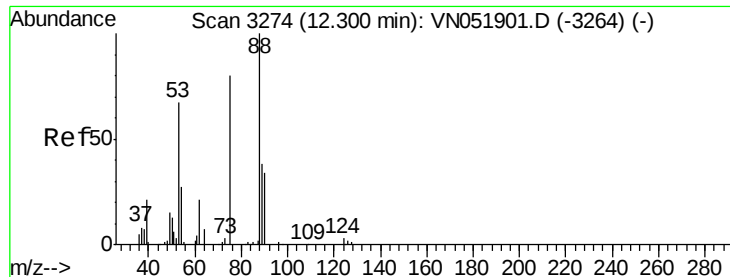
100

0

12.76 12.78



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 175.293 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#05

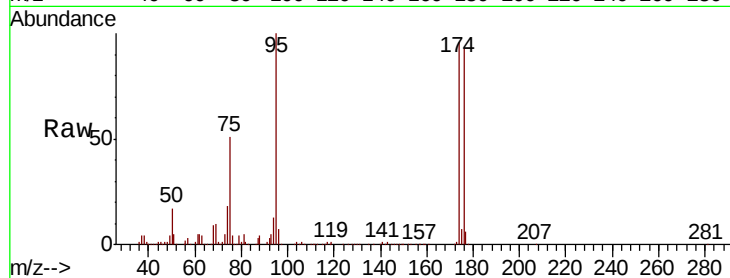
Tot Ion: 75 Resp: 263352

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

89 0.0 39.0 58.6#



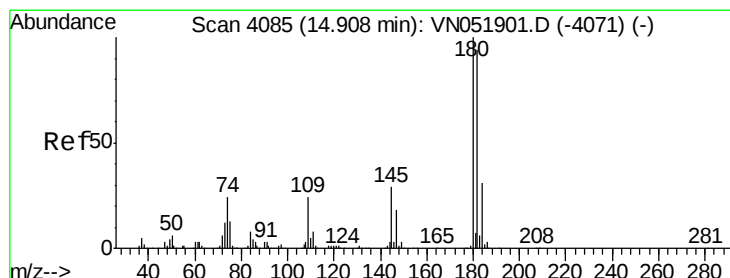
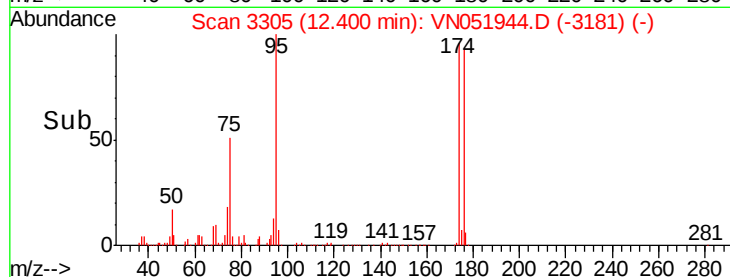
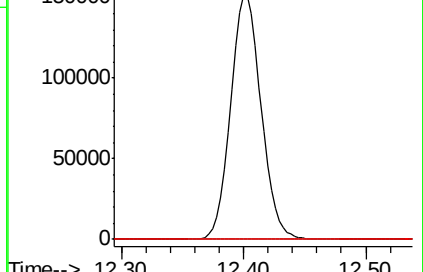
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40



#93

1,2,4-Trichlorobenzene

Concen: 4.089 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051944.D

Acq: 19 Oct 2018 13:33

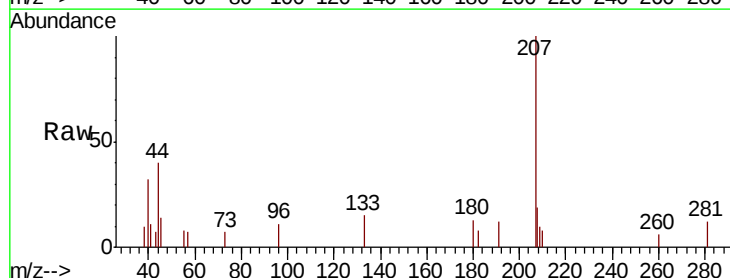
Tgt Ion:180 Resp: 199

Ion Ratio Lower Upper

180 100

182 110.1 47.3 141.9

145 0.0 14.5 43.5#



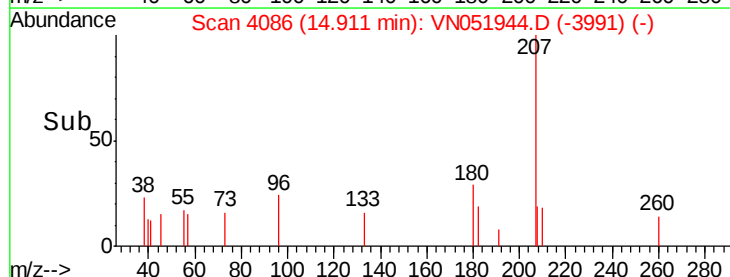
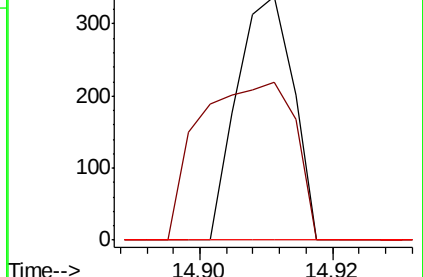
Abundance

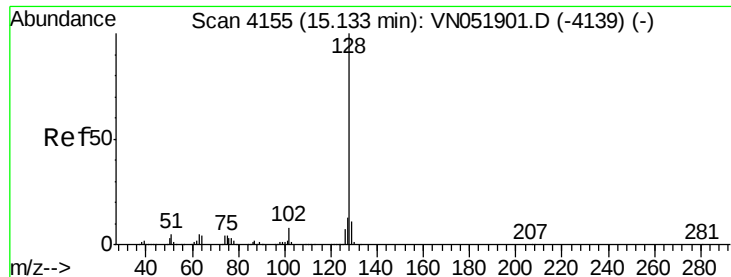
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

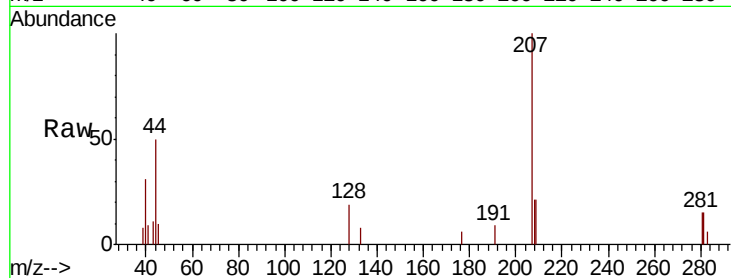




#95
Naphthalene
Concen: 4.112 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

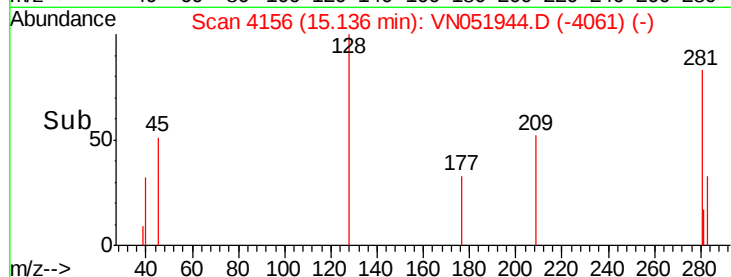
Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#05

Tot Ion:128 Resp: 735
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.5 12.7#

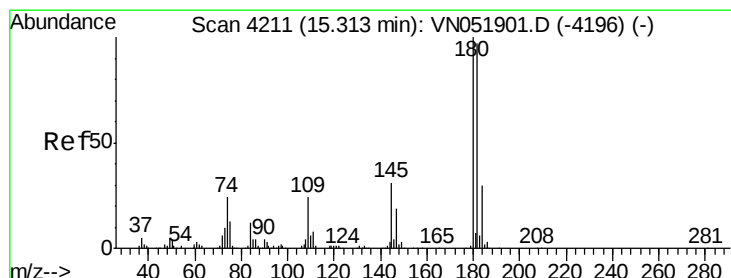


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.14

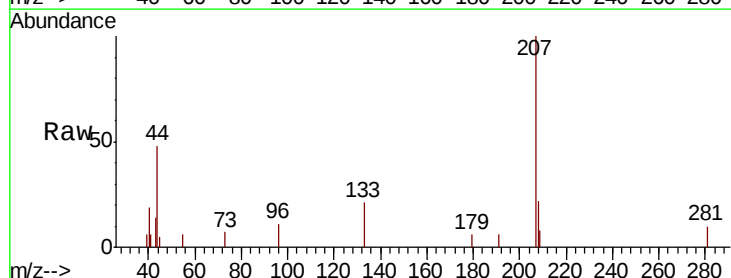


Time-->



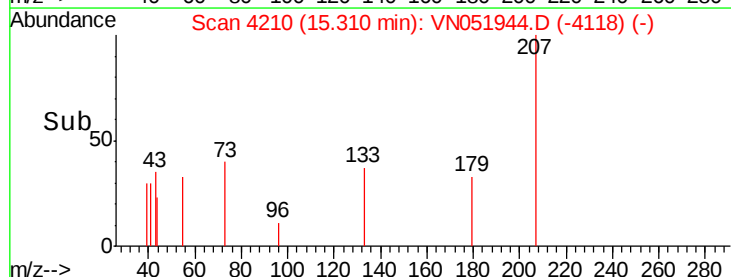
#96
1,2,3-Trichlorobenzene
Concen: 2.924 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN051944.D
Acq: 19 Oct 2018 13:33

Tgt Ion:180 Resp: 72
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.8#
145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.31



Time-->