

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051280.D
 Acq On : 17 Sep 2018 19:27
 Operator : MD\SY
 Sample : J4929-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:30:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	442167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	678939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174859	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	243829	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	257690	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.09	98	880297	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
62) 4-Bromofluorobenzene	12.40	95	230123	37.10	ug/l	0.00
Spiked Amount			Recovery	=	74.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1867	Below Cal		98
5) Bromomethane	2.57	94	2362	1.21 ug/l		99
10) Methyl Iodide	3.96	142	502	6.20 ug/l #		43
11) Tert butyl alcohol	4.79	59	60	0.23 ug/l #		73
13) Acrolein	3.62	56	63	10.49 ug/l #		14
16) Acetone	3.83	43	8845	Below Cal		98
18) Methyl Acetate	4.34	43	8209	1.79 ug/l		92
20) Methylene Chloride	4.55	84	38460	7.31 ug/l		97
25) 2-Butanone	6.84	43	4700	3.05 ug/l		91
29) Tetrahydrofuran	7.23	42	557	0.59 ug/l #		45
30) Chloroform	7.38	83	2425	0.28 ug/l		91
31) Cyclohexane	7.66	56	6980	0.83 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	27670	3.77 ug/l #		48
38) Carbon Tetrachloride	7.67	117	38105	4.97 ug/l #		16
43) Isopropyl Acetate	8.17	43	164791	25.21 ug/l		96
48) Methyl methacrylate	9.18	41	5171	1.64 ug/l #		15
51) 4-Methyl-2-Pentanone	9.98	43	1271	0.38 ug/l #		65
56) Ethyl methacrylate	10.23	69	1284	2.27 ug/l #		69
59) 2-Hexanone	10.76	43	10883	4.90 ug/l		65
70) Styrene	11.97	104	102	1.25 ug/l #		52
71) Bromoform	12.40	173	1392	0.40 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	106534	44.25 ug/l #		100
77) Bromobenzene	12.52	156	197	Below Cal		19
81) trans-1,4-Dichloro-2-buten	12.40	75	106534	135.32 ug/l #		15
88) 1,4-Dichlorobenzene	13.37	146	327	0.46 ug/l #		37
89) n-Butylbenzene	13.62	91	496	2.07 ug/l #		46
90) Hexachloroethane	13.90	117	265	Below Cal		1
91) 1,2-Dichlorobenzene	13.66	146	233	Below Cal		45
93) 1,2,4-Trichlorobenzene	14.91	180	250	5.11 ug/l #		1
94) Hexachlorobutadiene	15.01	225	66	Below Cal		19
95) Naphthalene	15.13	128	21065	9.32 ug/l		100
96) 1,2,3-Trichlorobenzene	15.32	180	188	3.92 ug/l #		25

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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

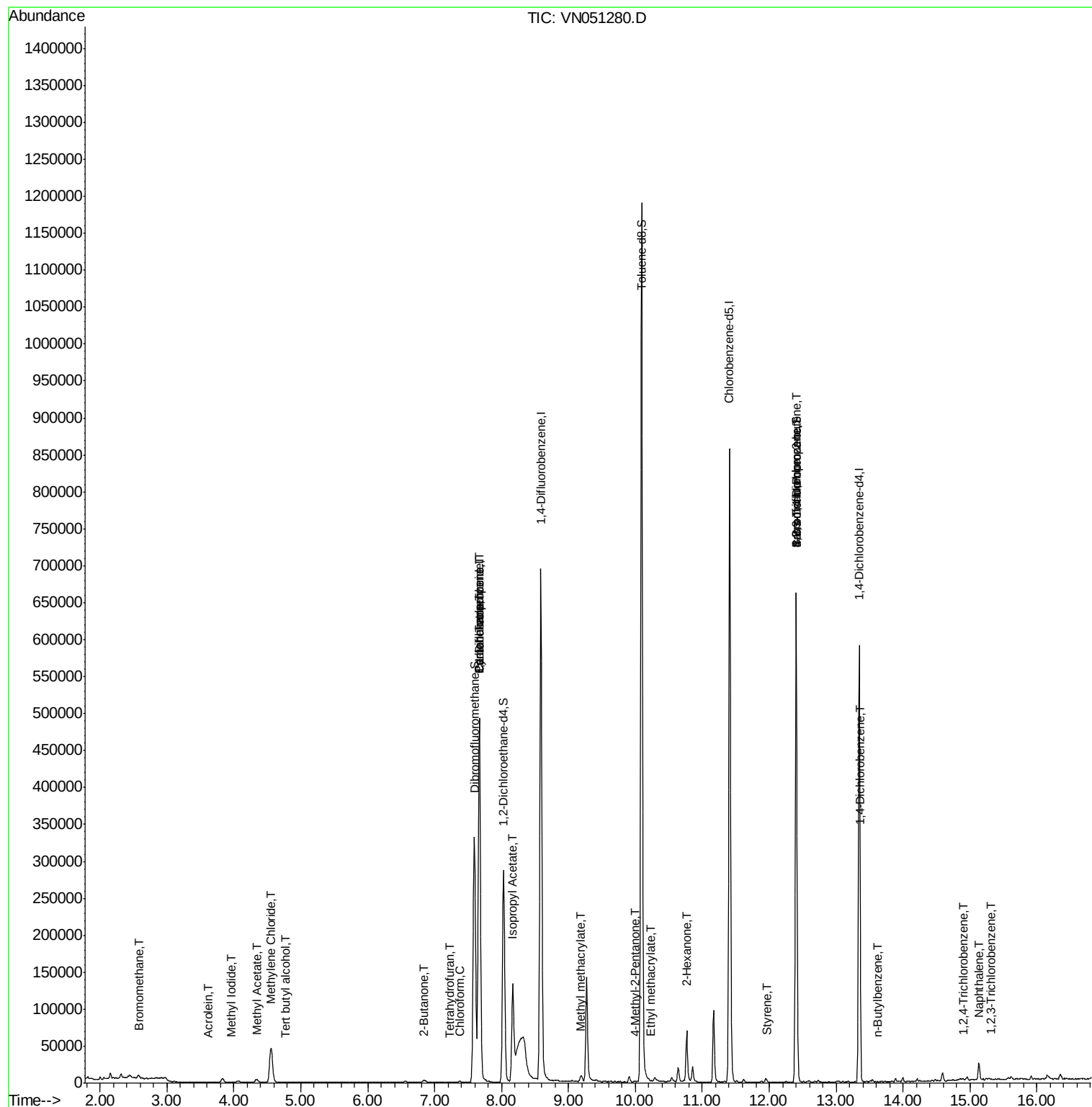
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

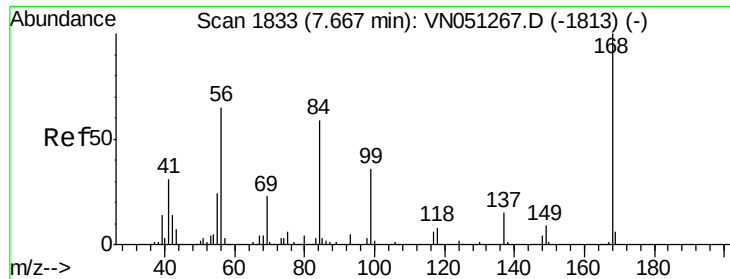
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

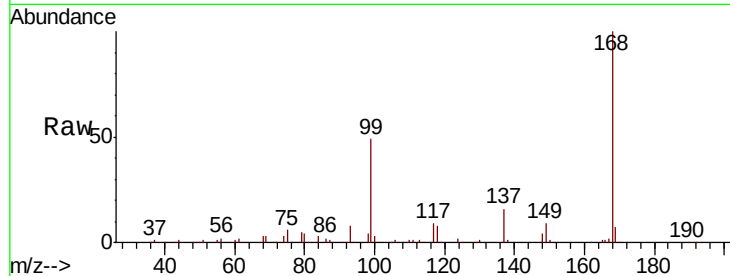
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 442167

Ion Ratio Lower Upper

168 100

99 48.7 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

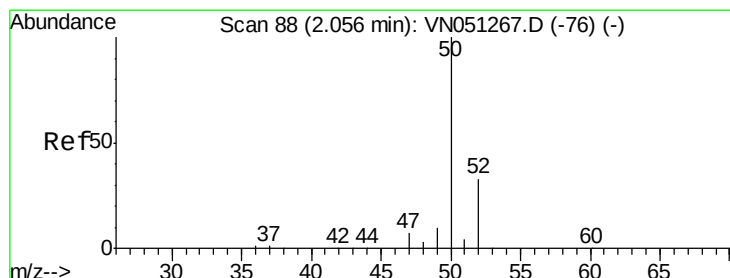
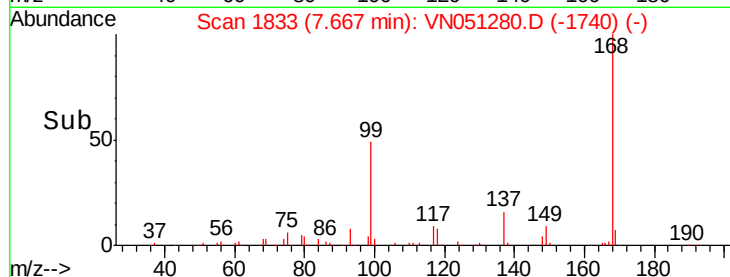
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051280.D

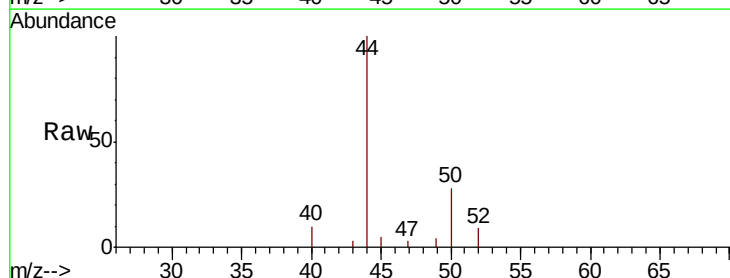
Acq: 17 Sep 2018 19:27

Tgt Ion: 50 Resp: 1867

Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1500

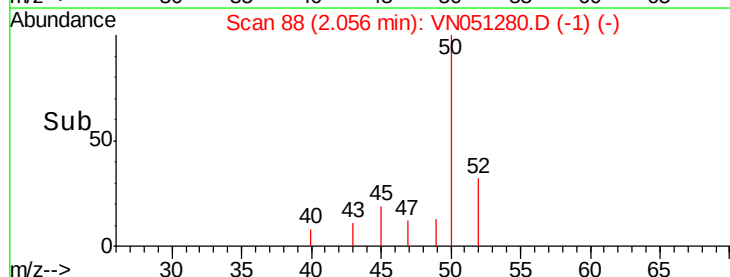
1000

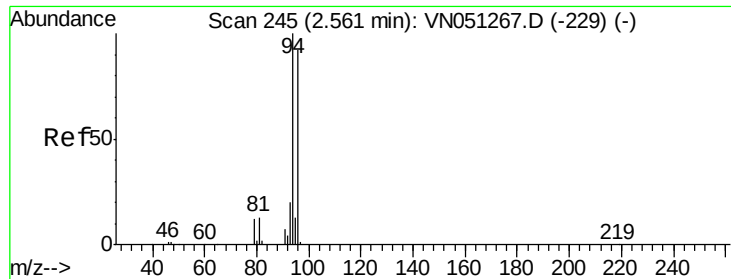
500

0

2.02 2.04 2.06 2.08 2.10

Time-->





#5

Bromomethane

Concen: 1.21 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

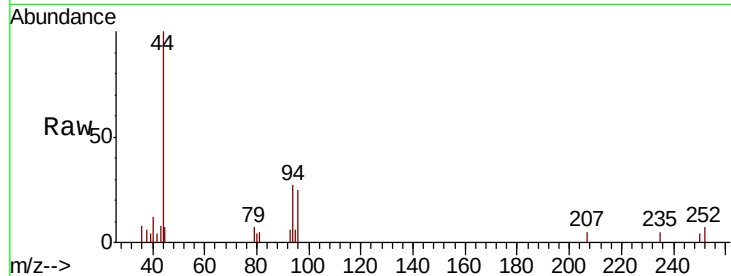
ClientSampled :

Tot Ion: 94 Resp: 2362

Ion Ratio Lower Upper

94 100

96 91.4 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)

2.57

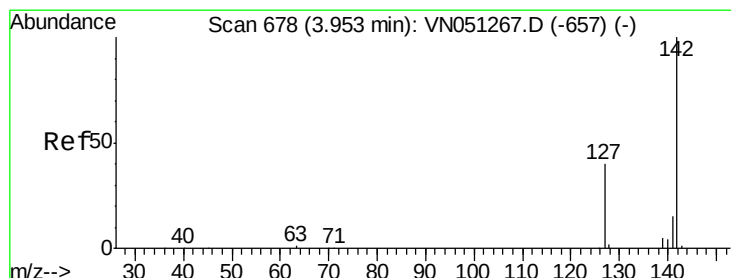
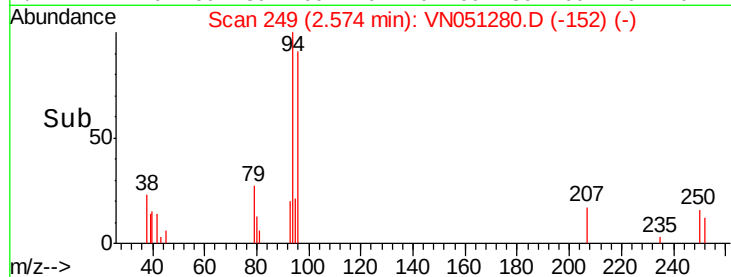
1000

500

0

Time-->

2.55 2.60



#10

Methyl Iodide

Concen: 6.20 ug/l

RT: 3.96 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

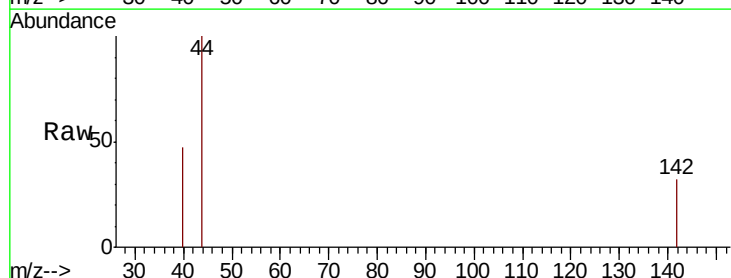
Tgt Ion: 142 Resp: 502

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN051267.D (-657) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-657) (-)

Ion 140.80 (140.50 to 141.50): VN051267.D (-657) (-)

3.96

300

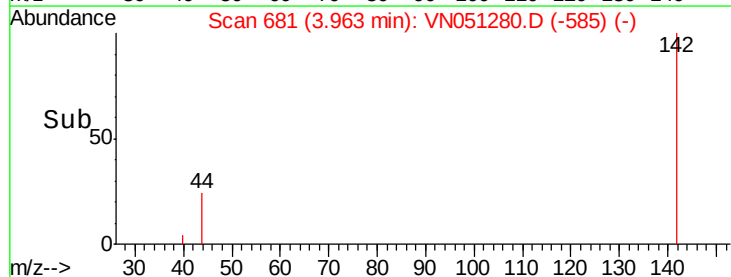
200

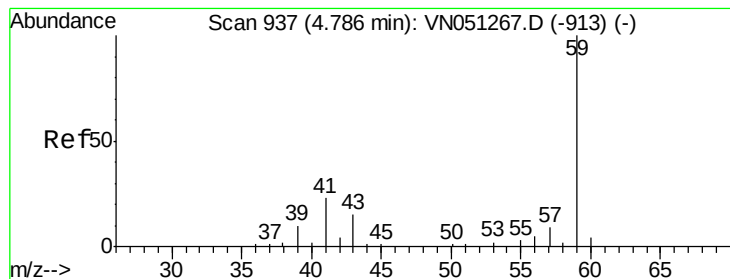
100

0

Time-->

3.92 3.94 3.96 3.98 4.00



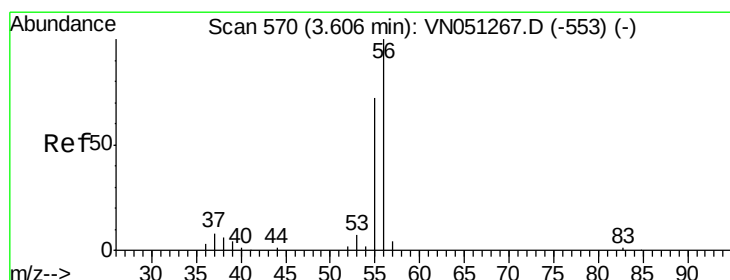
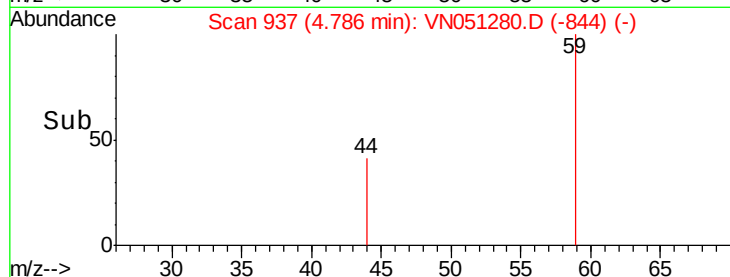
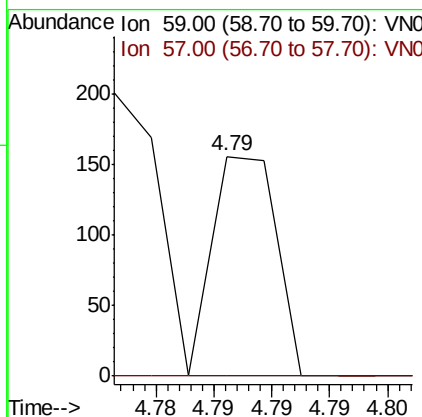
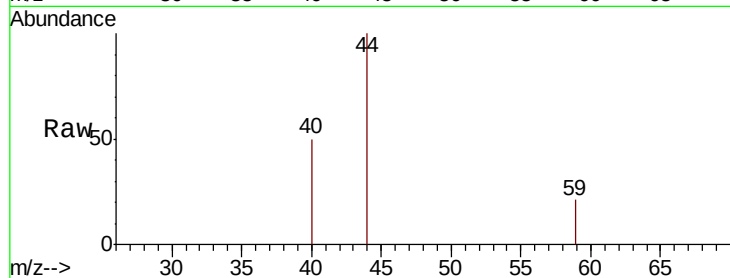


#11

Tert butyl alcohol
 Concen: 0.23 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Instrument :
 MSVOA_N
 ClientSampled :

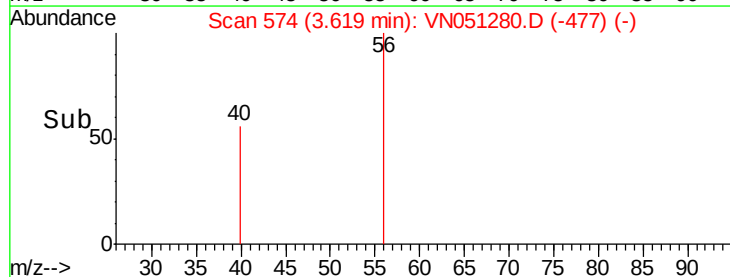
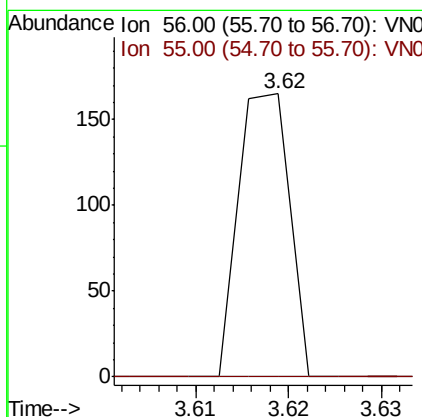
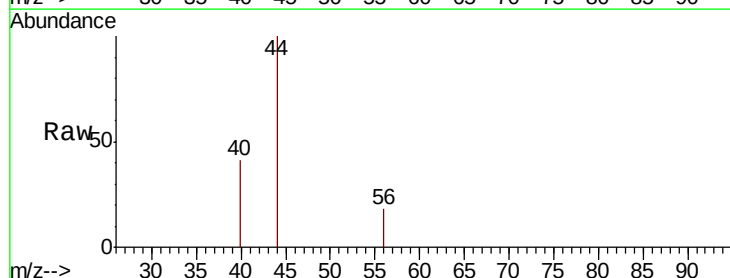
Tot Ion: 59 Resp: 60
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

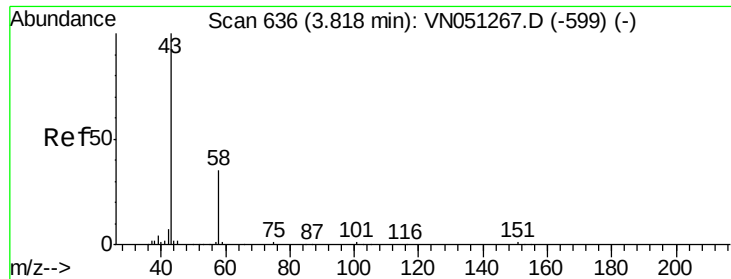


#13

Acrolein
 Concen: 10.49 ug/l
 RT: 3.62 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Tgt Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#

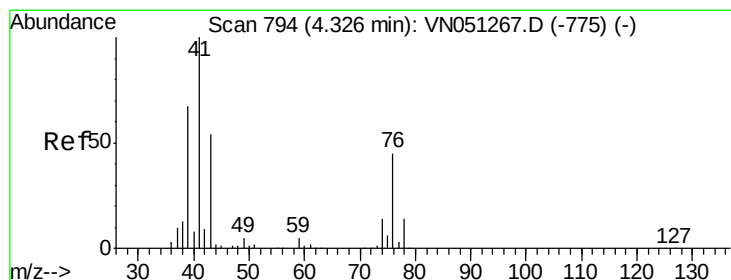
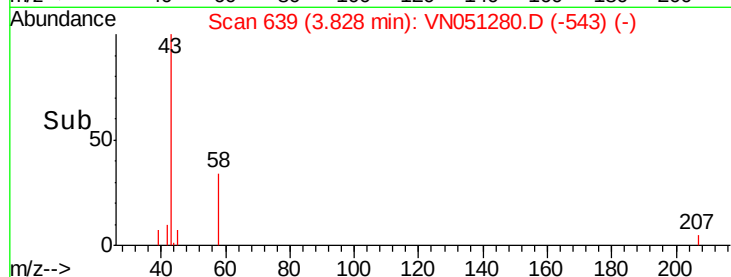
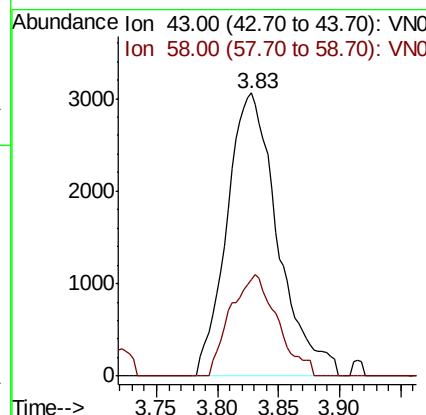
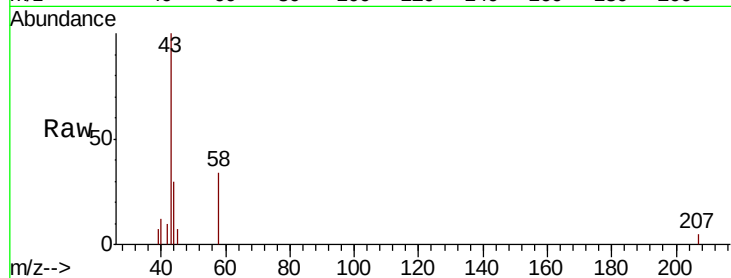




#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

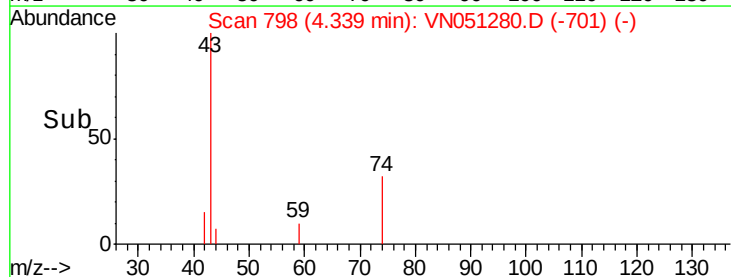
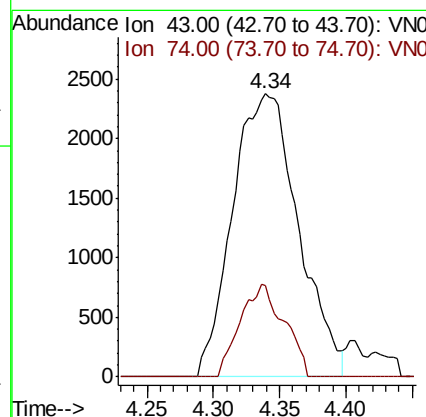
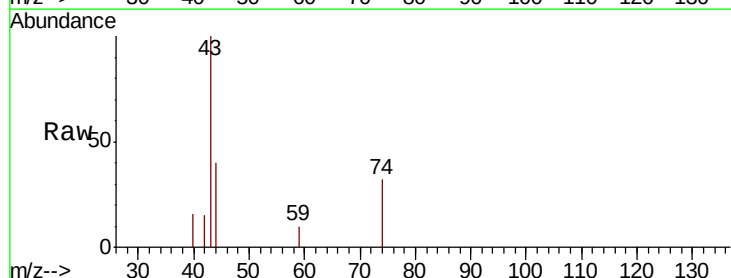
Instrument :
MSVOA_N
ClientSampleId :

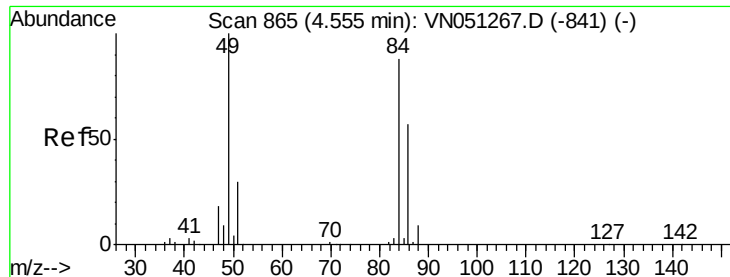
Tot Ion: 43 Resp: 8845
Ion Ratio Lower Upper
43 100
58 33.9 28.2 42.2



#18
Methyl Acetate
Concen: 1.79 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

Tgt Ion: 43 Resp: 8209
Ion Ratio Lower Upper
43 100
74 21.8 20.8 31.2

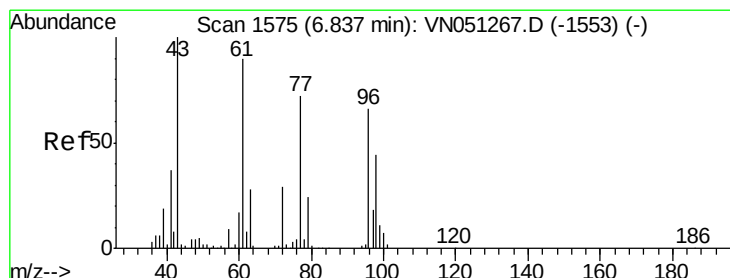
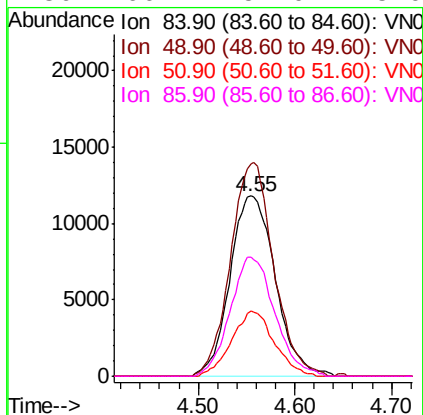
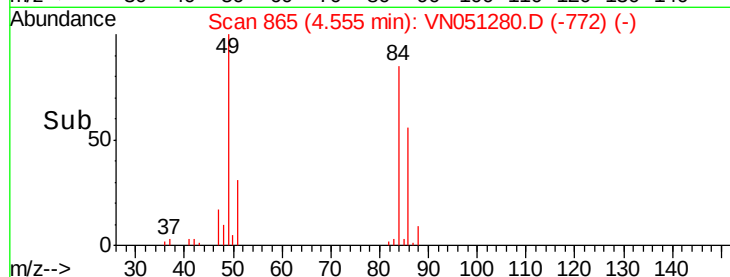
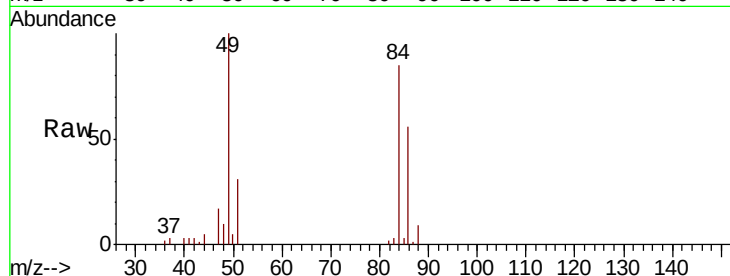




#20
Methvlene Chloride
Concen: 7.31 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

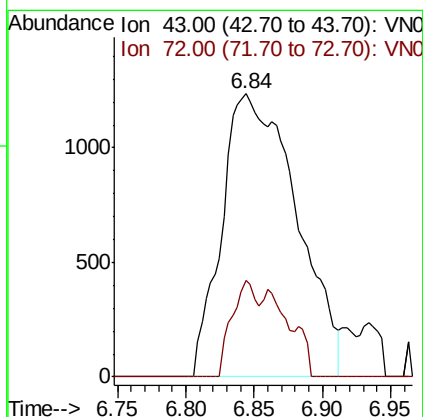
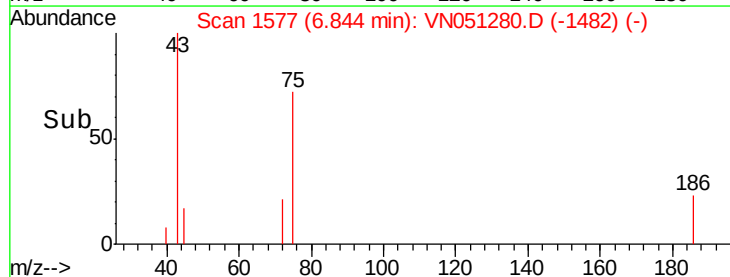
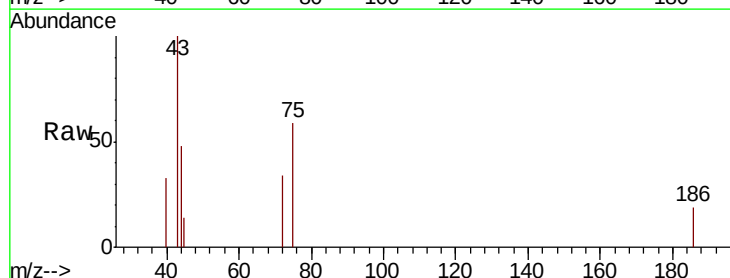
Instrument :
MSVOA_N
ClientSampled :

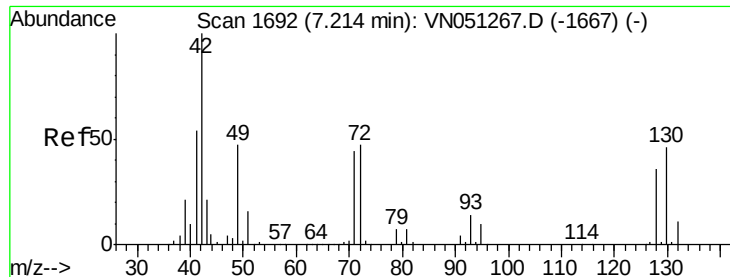
Tot Ion: 84 Resp: 38460
Ion Ratio Lower Upper
84 100
49 117.7 91.2 136.8
51 36.1 27.7 41.5
86 66.1 52.0 78.0



#25
2-Butanone
Concen: 3.05 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

Tgt Ion: 43 Resp: 4700
Ion Ratio Lower Upper
43 100
72 34.2 23.4 35.0





#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampled :

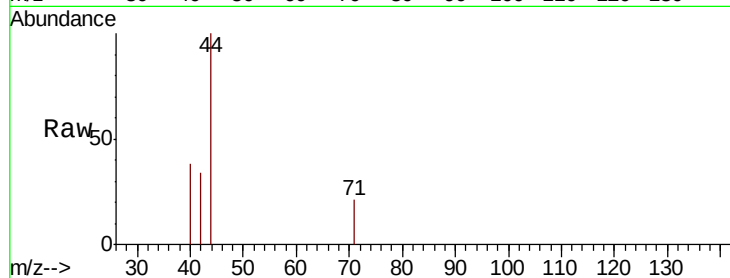
Tot Ion: 42 Resp: 557

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

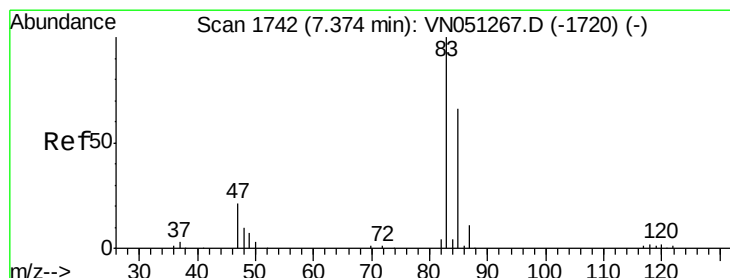
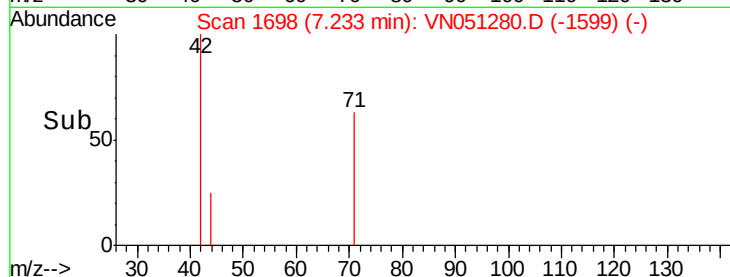
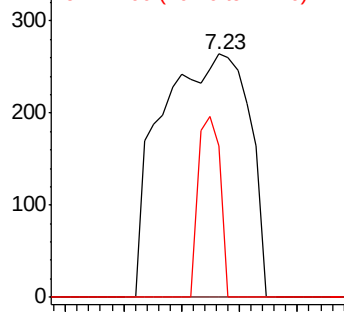
71 18.9 35.4 53.2#



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



#30

Chloroform

Concen: 0.28 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051280.D

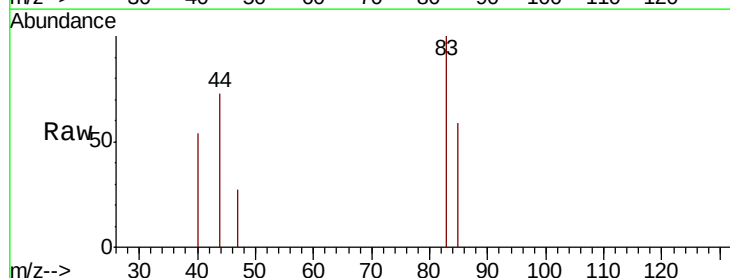
Acq: 17 Sep 2018 19:27

Tgt Ion: 83 Resp: 2425

Ion Ratio Lower Upper

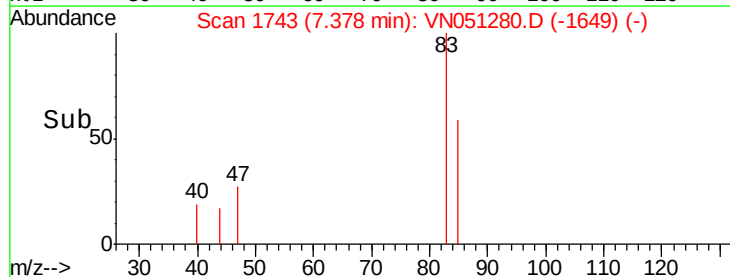
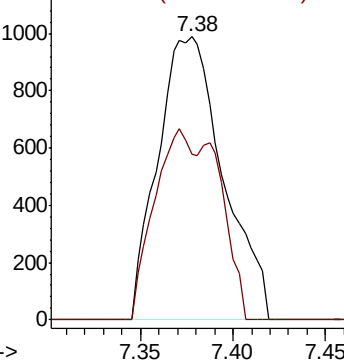
83 100

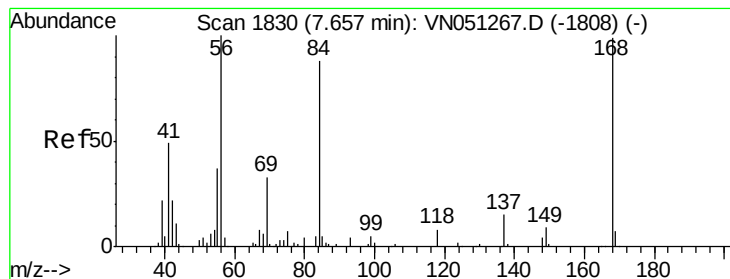
85 58.7 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampled :

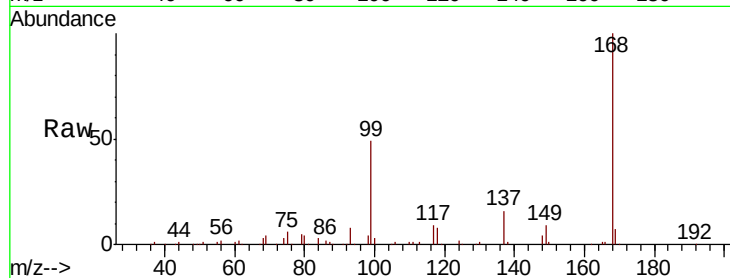
Tot Ion: 56 Resp: 6980

Ion Ratio Lower Upper

56 100

69 199.8 26.2 39.2#

84 157.8 70.6 106.0#

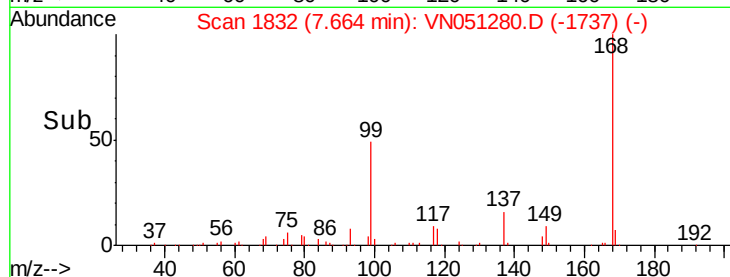


Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN051267.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN051267.D (-1808) (-)

Time-->

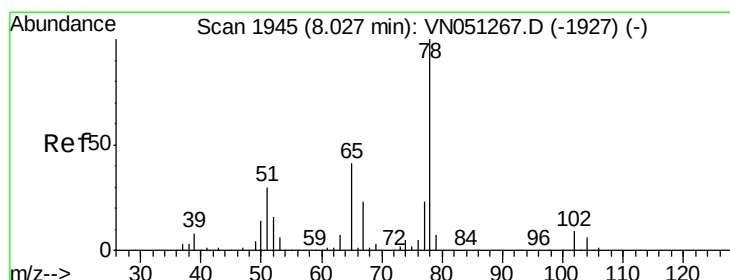


Abundance Ion 56.00 (55.70 to 56.70): VN051280.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051280.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051280.D (-1737) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.74 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051280.D

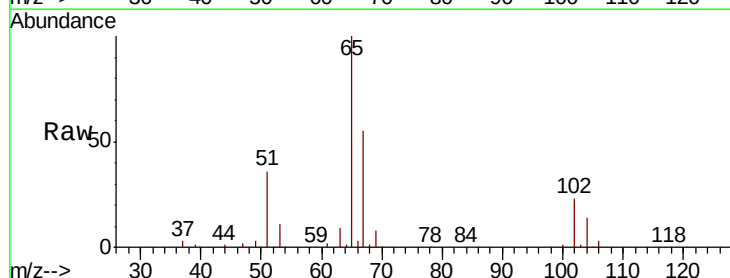
Acq: 17 Sep 2018 19:27

Tgt Ion: 65 Resp: 243829

Ion Ratio Lower Upper

65 100

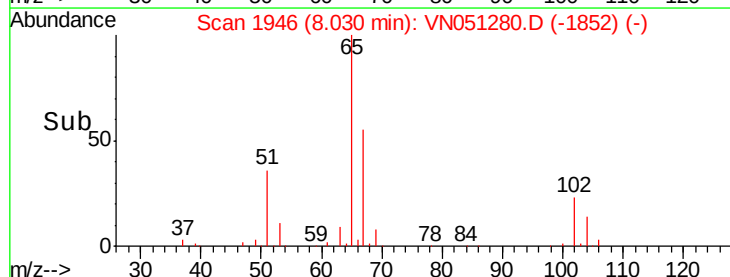
67 55.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN051267.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN051267.D (-1927) (-)

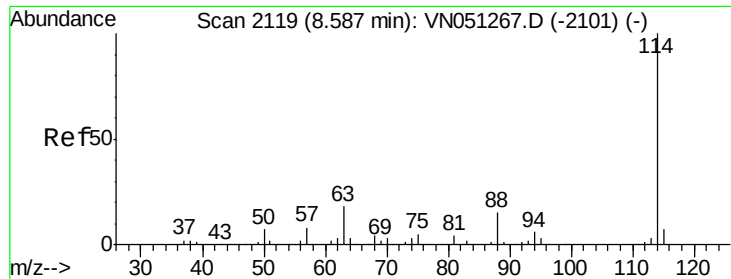
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN051280.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051280.D (-1852) (-)

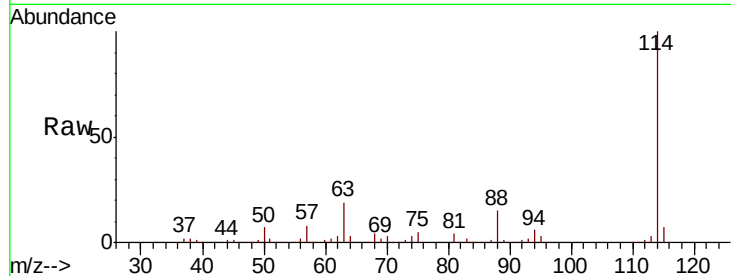
Time-->



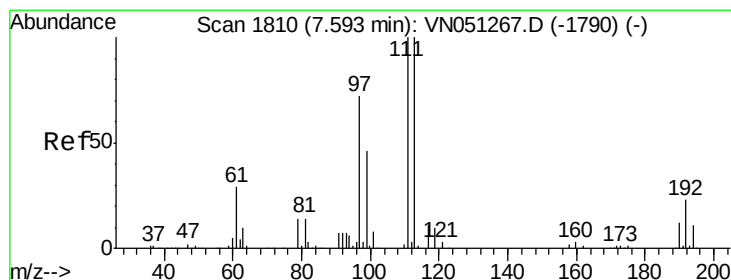
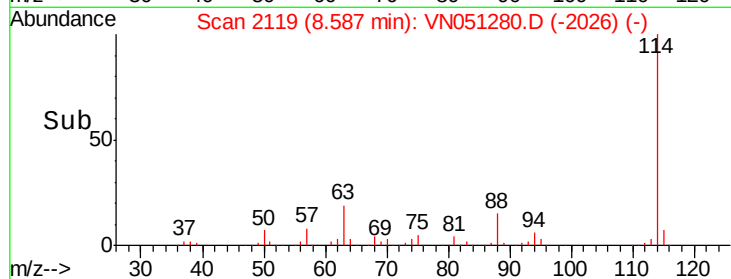
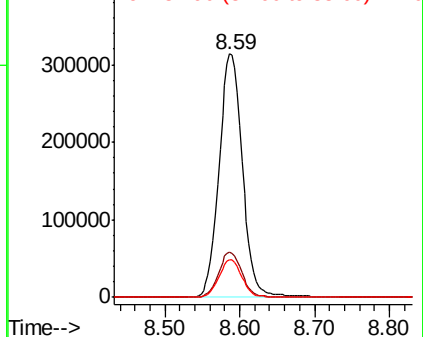
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.8
88	15.5	0.0	30.8

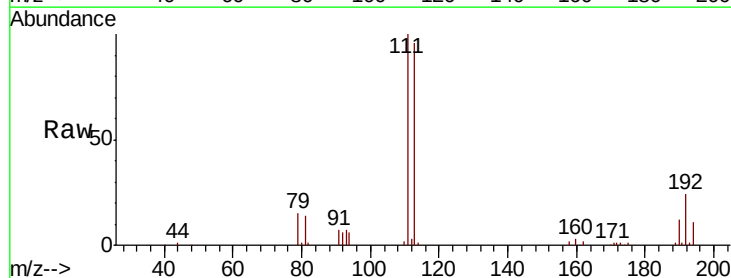


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

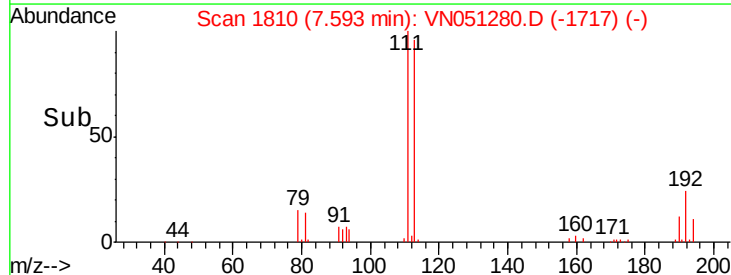
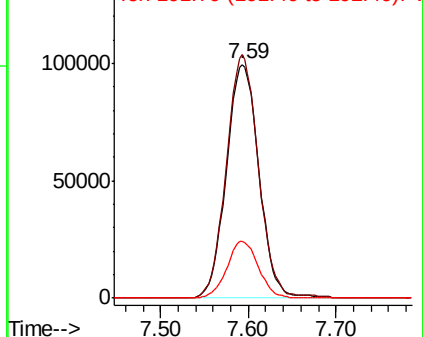


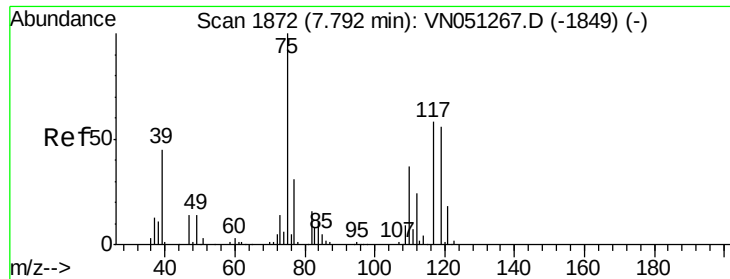
#35
 Dibromofluoromethane
 Concen: 48.84 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	23.5	19.0	28.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

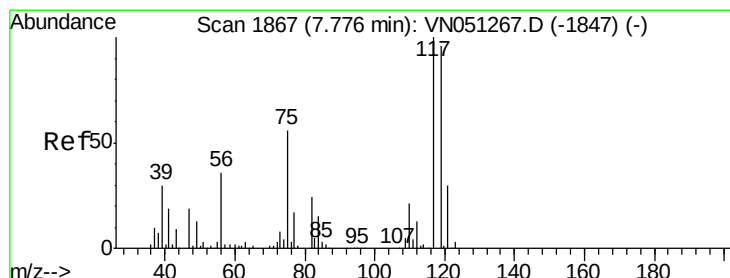
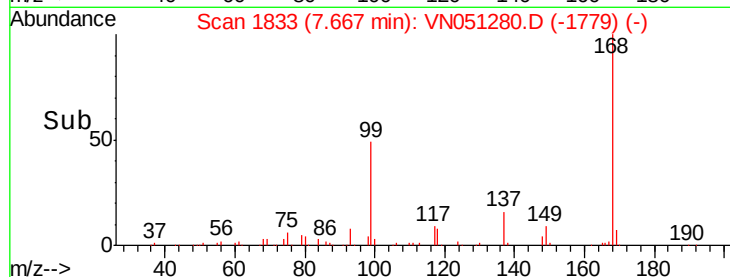
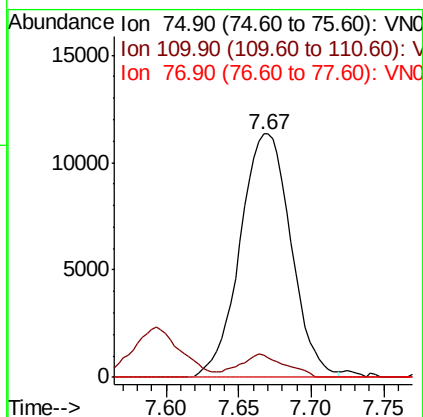
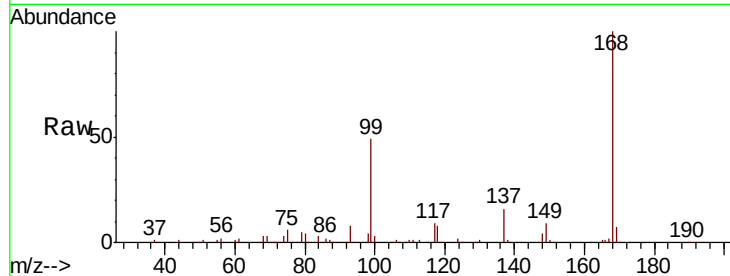




#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

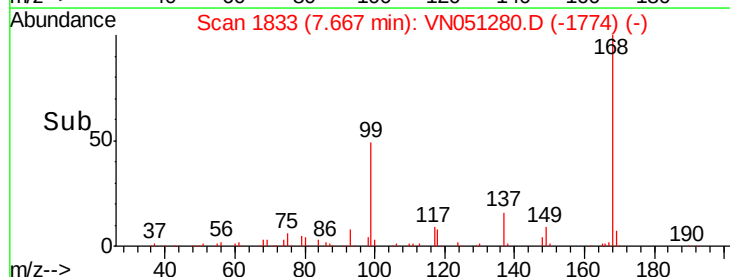
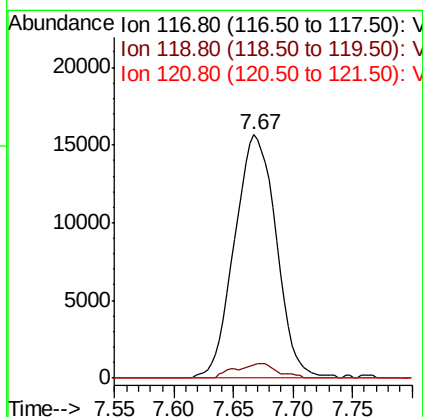
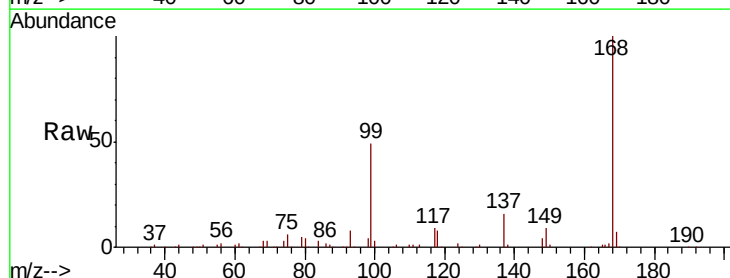
Instrument :
 MSVOA_N
 ClientSampled :

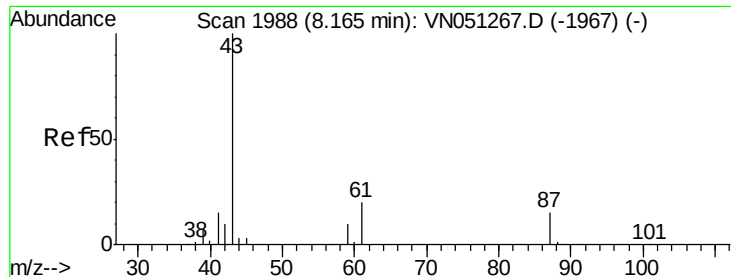
Tot Ion: 75 Resp: 27670
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.6 56.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 4.97 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Tgt Ion: 117 Resp: 38105
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.8 115.2#
 121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 25.21 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

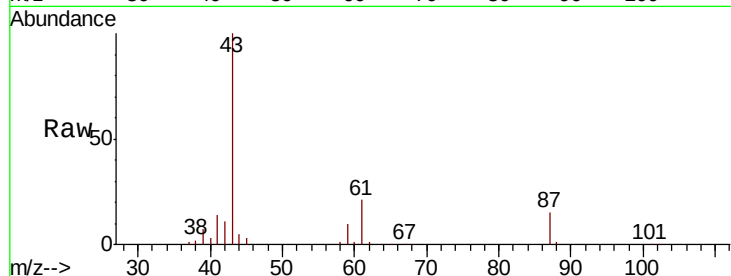
Tot Ion: 43 Resp: 164791

Ion Ratio Lower Upper

43 100

61 20.0 17.4 26.2

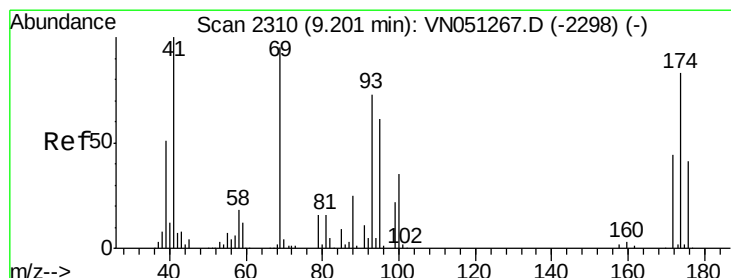
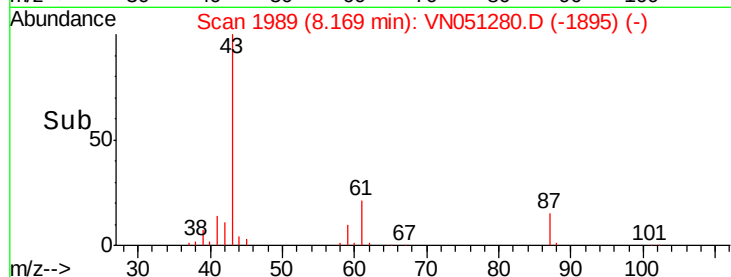
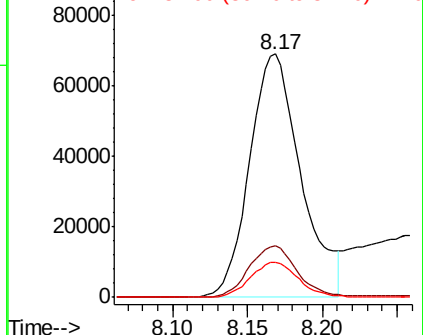
87 13.4 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051267.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051267.D (-1967) (-)



#48

Methyl methacrylate

Concen: 1.64 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

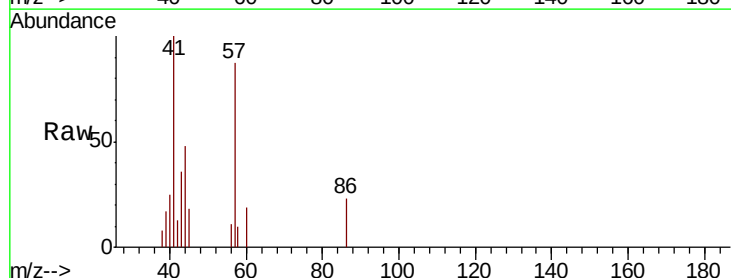
Tgt Ion: 41 Resp: 5171

Ion Ratio Lower Upper

41 100

69 0.0 78.9 118.3#

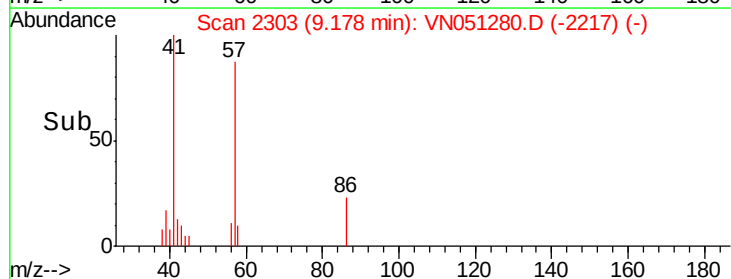
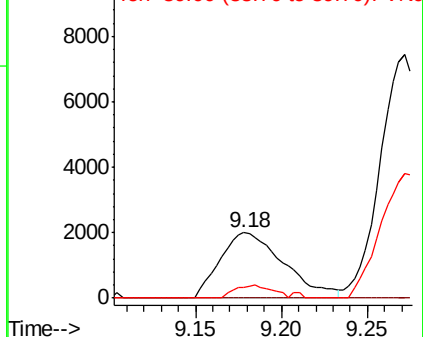
39 11.5 42.2 63.2#

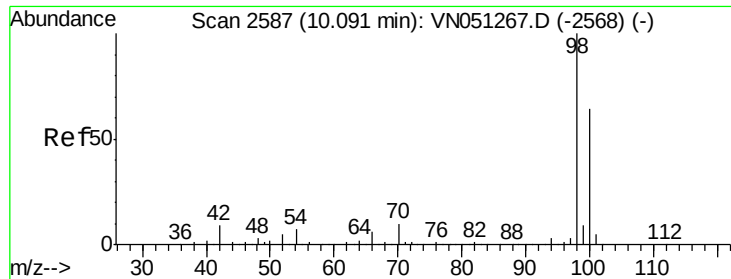


Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051267.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051267.D (-2298) (-)





#50

Toluene-d8

Concen: 45.14 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

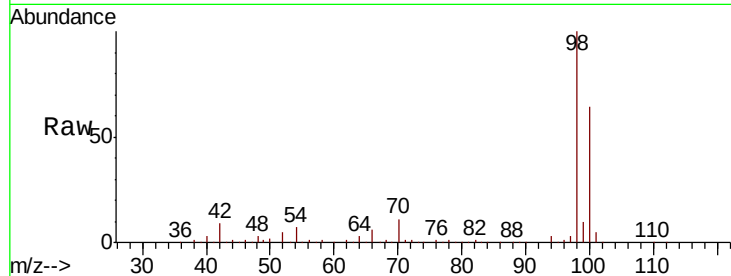
ClientSampled :

Tot Ion: 98 Resp: 880297

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051267.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN051267.D (-2568) (-)

10.09

500000

400000

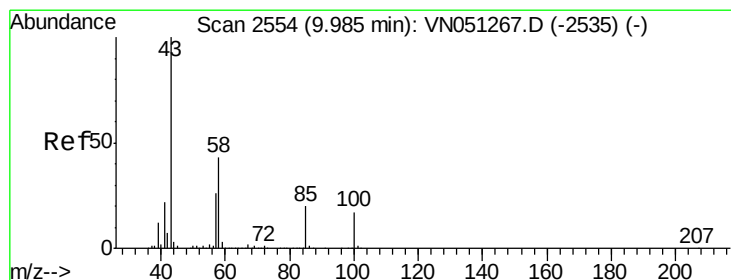
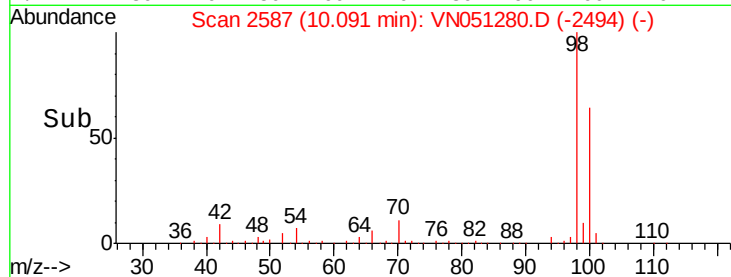
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.38 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051280.D

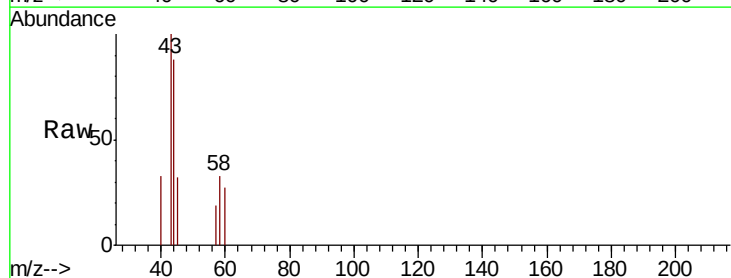
Acq: 17 Sep 2018 19:27

Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

43 100

58 19.9 33.8 50.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)

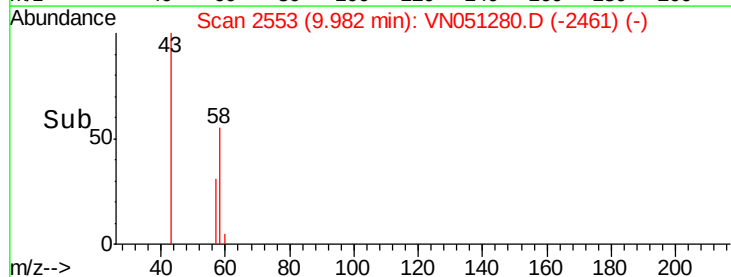
1500

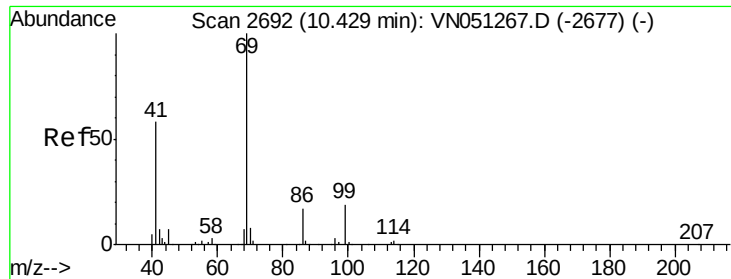
1000

500

0

Time-->





#56

Ethyl methacrylate

Concen: 2.27 ug/l

RT: 10.23 min Scan# 2631

Delta R.T. -0.20 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampled :

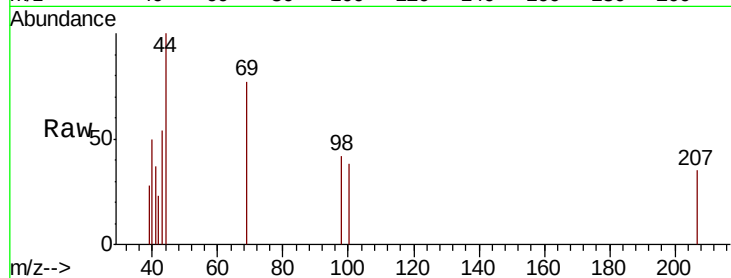
Tot Ion: 69 Resp: 1284

Ion Ratio Lower Upper

69 100

41 28.3 47.4 71.0#

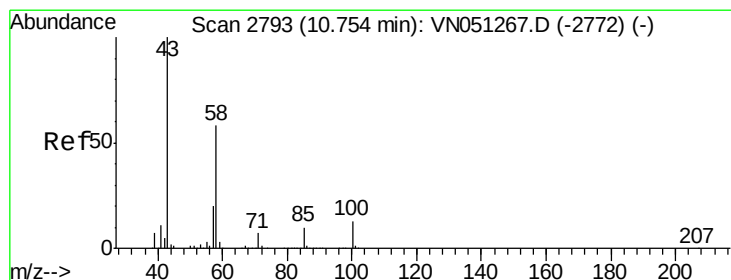
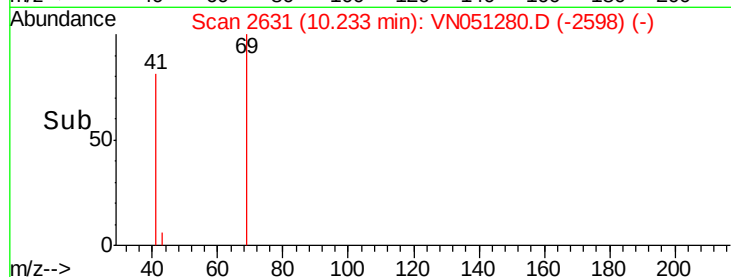
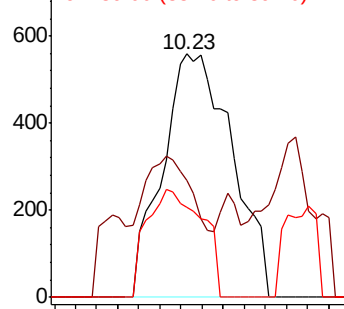
39 35.5 23.7 35.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 4.90 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051280.D

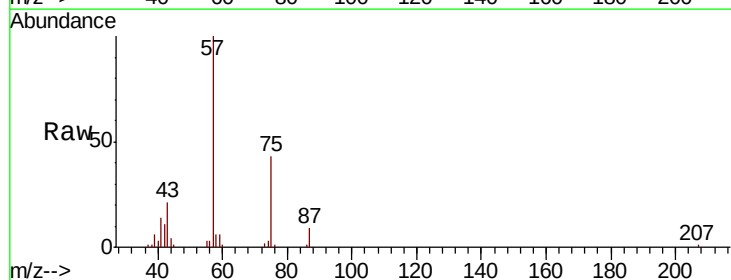
Acq: 17 Sep 2018 19:27

Tgt Ion: 43 Resp: 10883

Ion Ratio Lower Upper

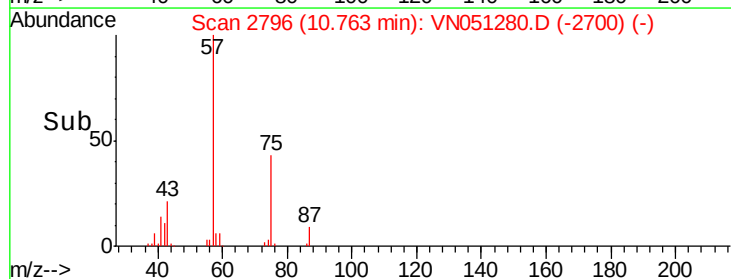
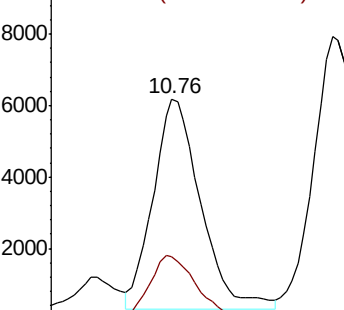
43 100

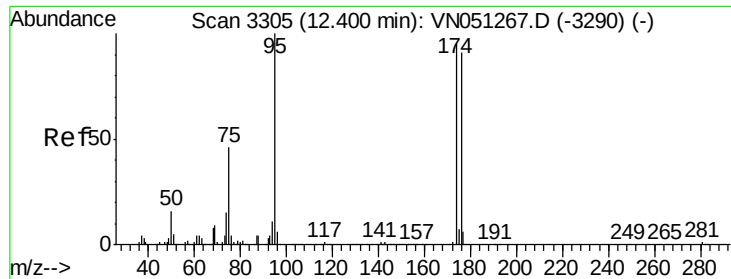
58 31.6 28.9 86.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.10 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

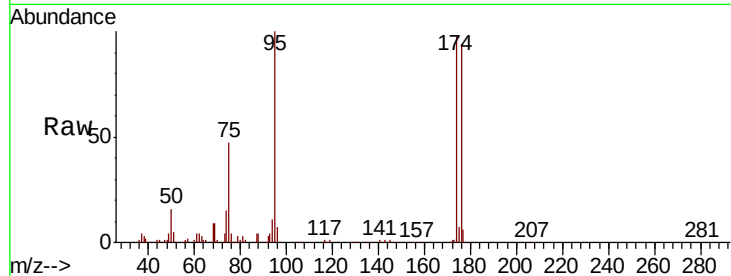
Tot Ion: 95 Resp: 230123

Ion Ratio Lower Upper

95 100

174 97.6 0.0 189.6

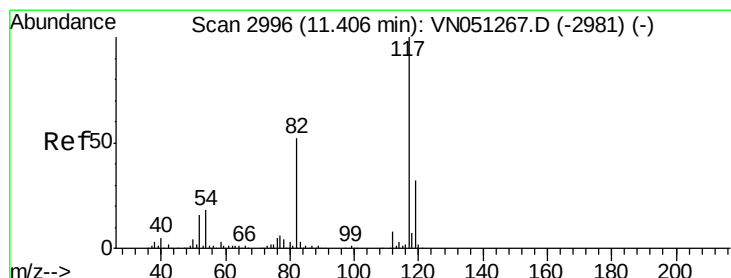
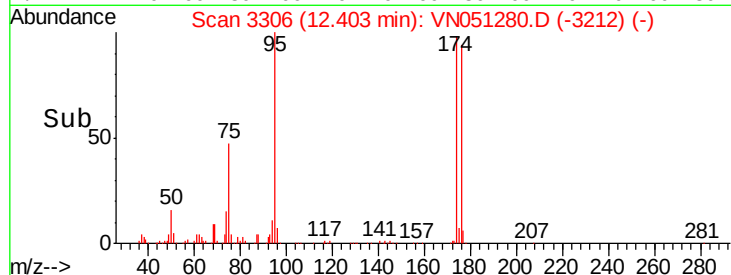
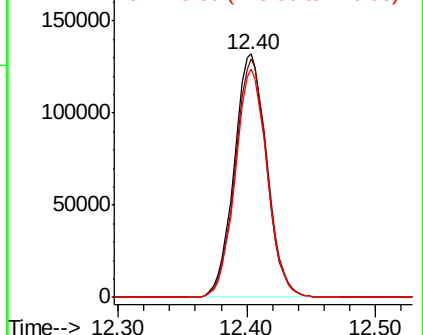
176 92.4 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

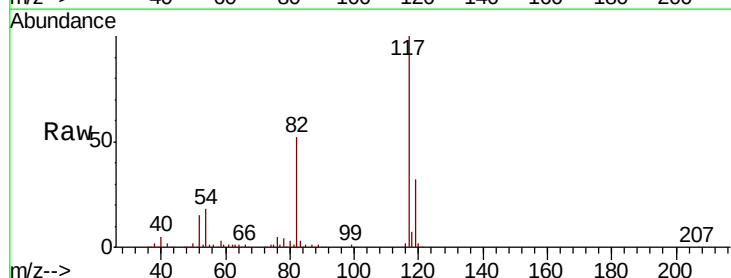
Tgt Ion: 117 Resp: 557175

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

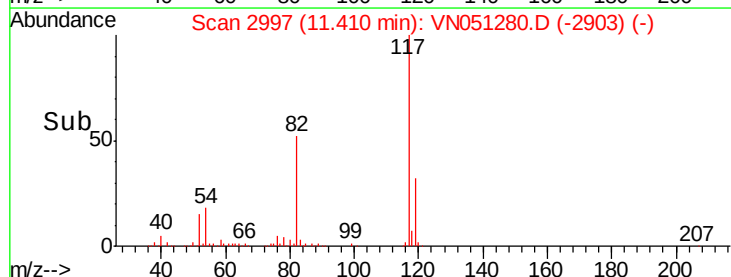
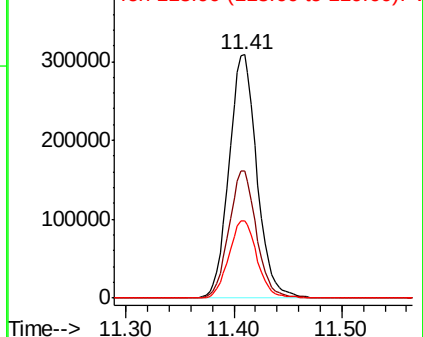
119 32.0 25.6 38.4

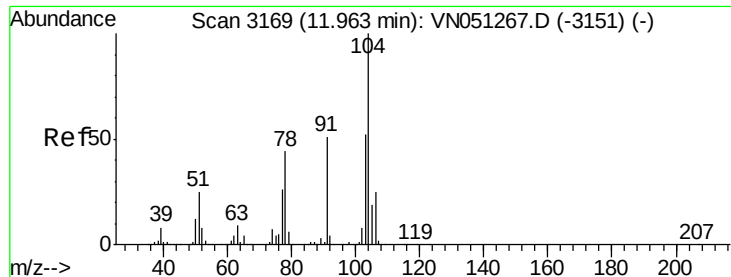


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

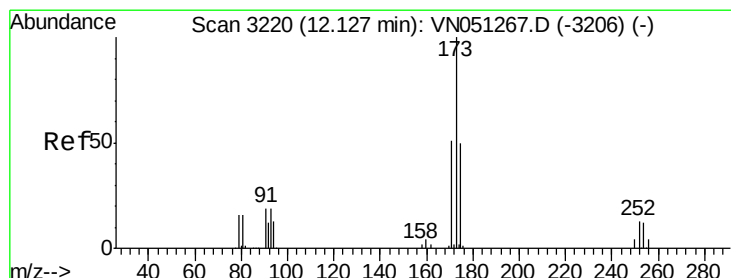
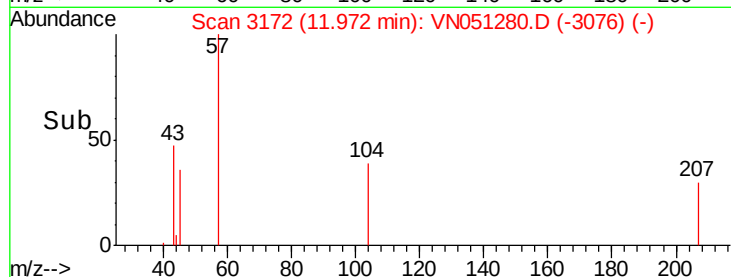
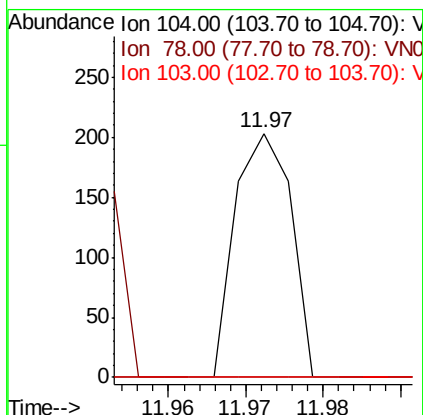
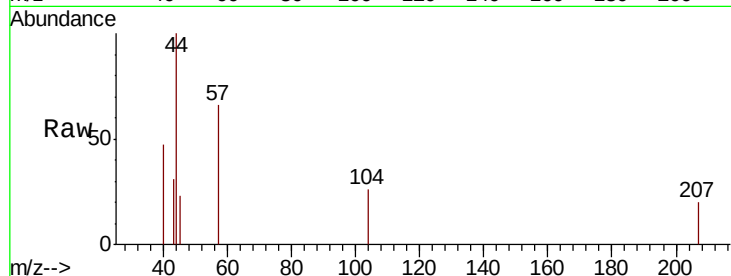




#70
Stvrene
Concen: 1.25 ug/l
RT: 11.97 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

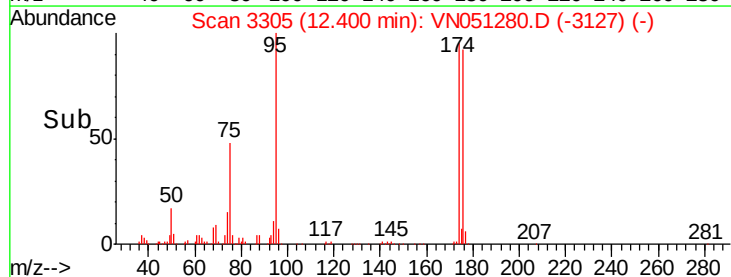
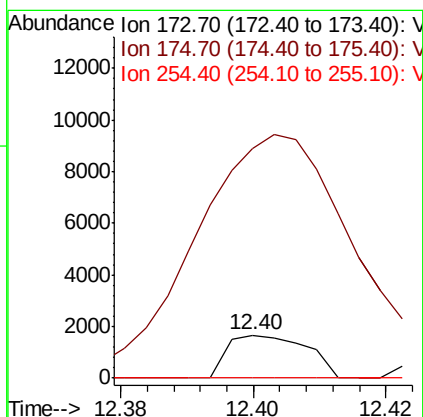
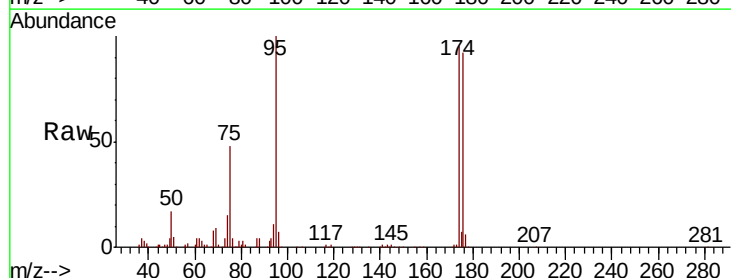
Instrument :
MSVOA_N
ClientSampled :

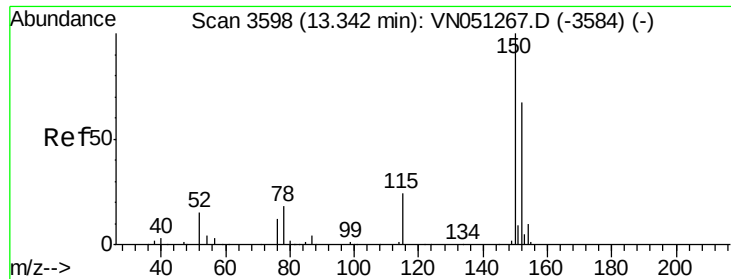
Tot Ion:104 Resp: 102
Ion Ratio Lower Upper
104 100
78 57.8 38.1 57.1#
103 0.0 44.8 67.2#



#71
Bromoform
Concen: 0.40 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051280.D
Acq: 17 Sep 2018 19:27

Tgt Ion:173 Resp: 1392
Ion Ratio Lower Upper
173 100
175 958.9 24.4 73.2#
254 0.0 0.1 0.1#

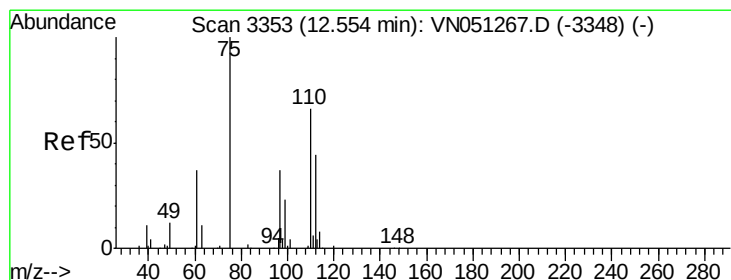
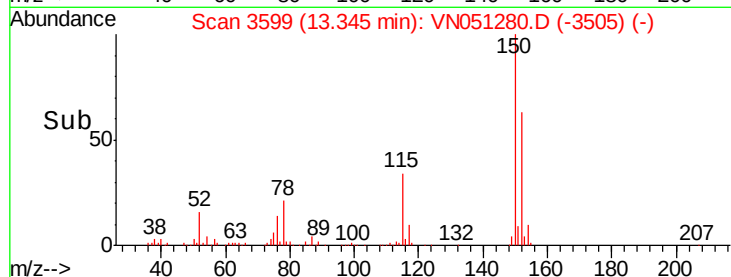
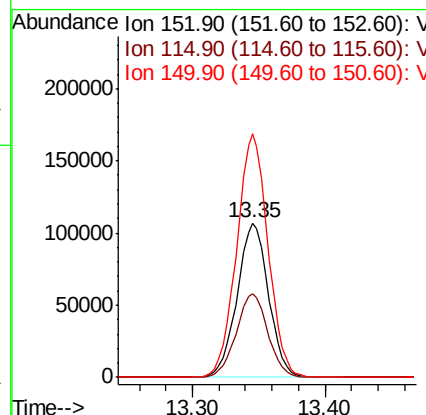
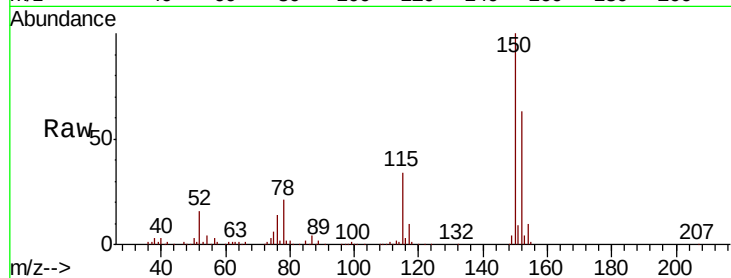




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

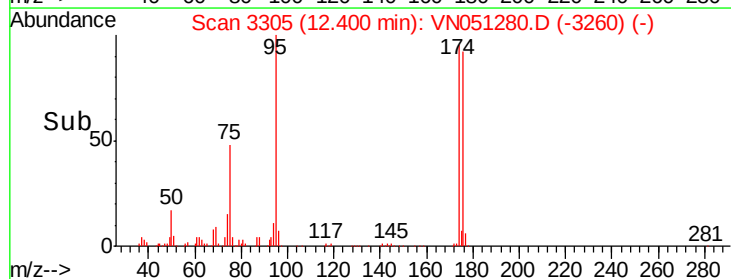
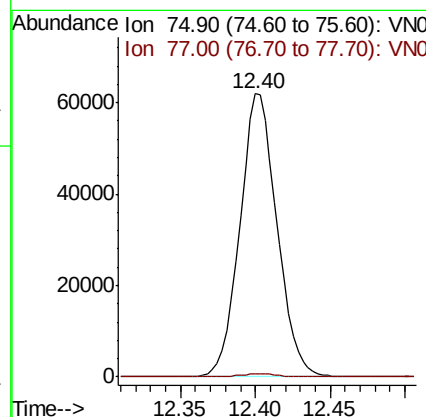
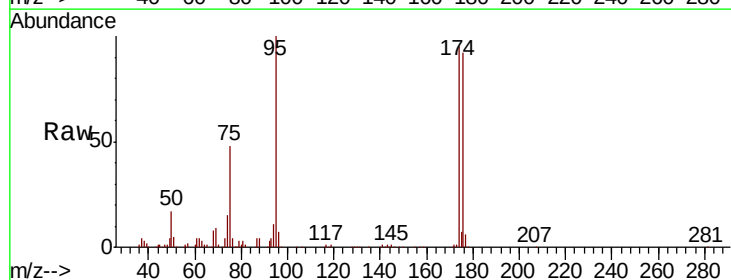
Instrument :
 MSVOA_N
 ClientSampleId :

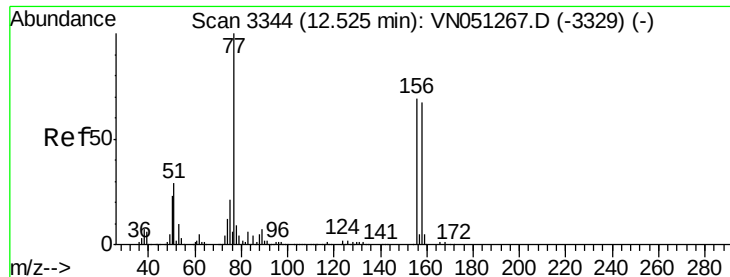
Tot Ion:152 Resp: 174859
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.1 81.2
 150 157.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 44.25 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Tgt Ion: 75 Resp: 106534
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

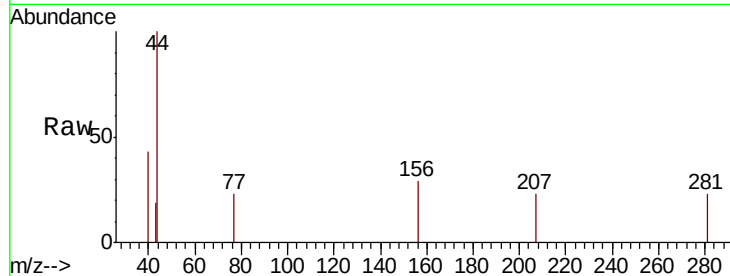
Tot Ion:156 Resp: 197

Ion Ratio Lower Upper

156 100

77 71.6 83.7 251.1#

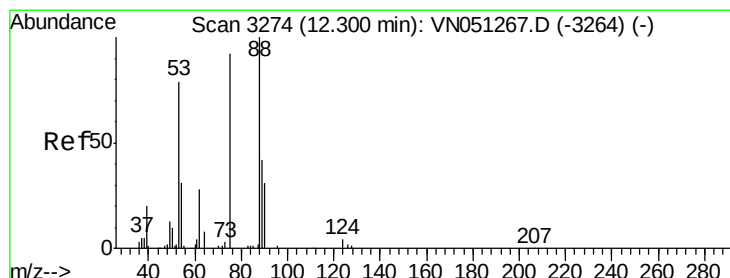
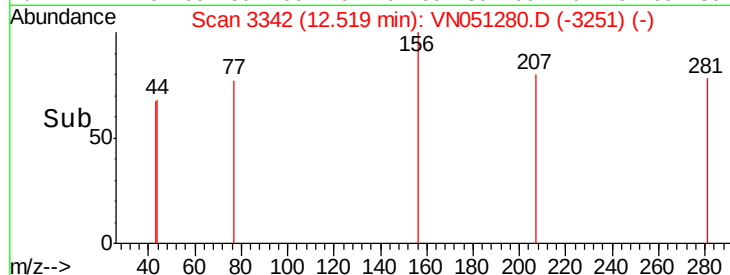
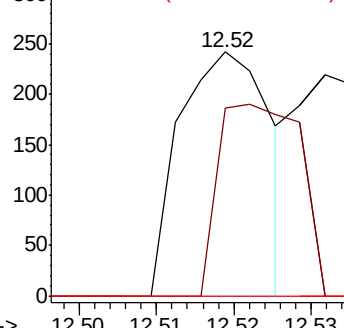
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 135.32 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

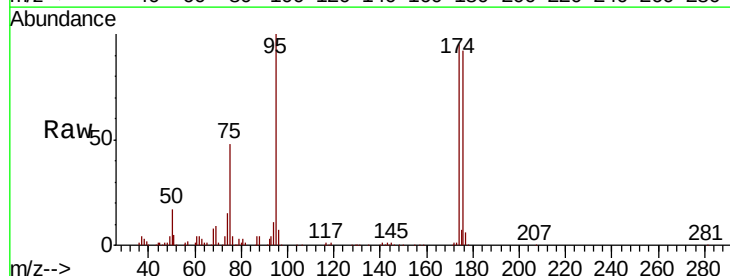
Tgt Ion: 75 Resp: 106534

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

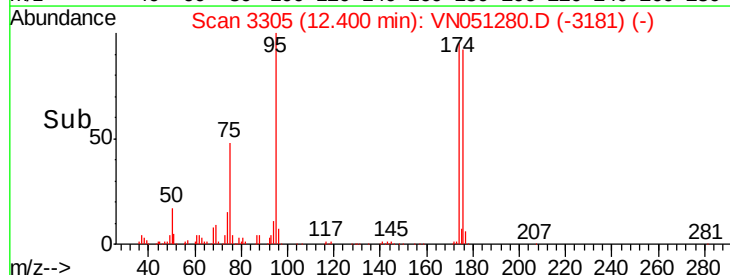
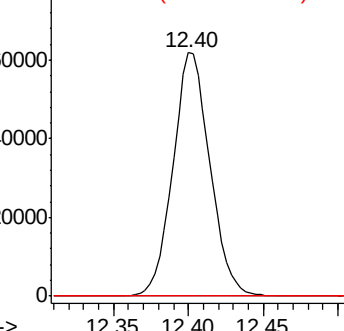
89 0.0 36.9 55.3#

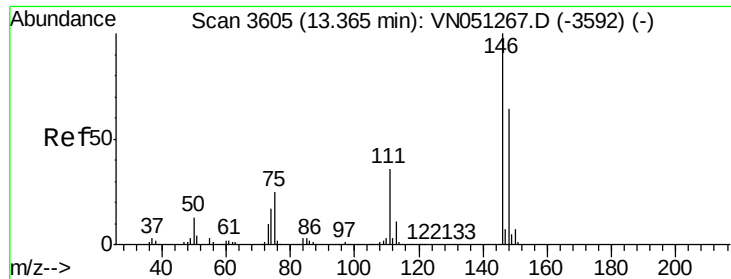


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#88

1,4-Dichlorobenzene

Concen: 0.46 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

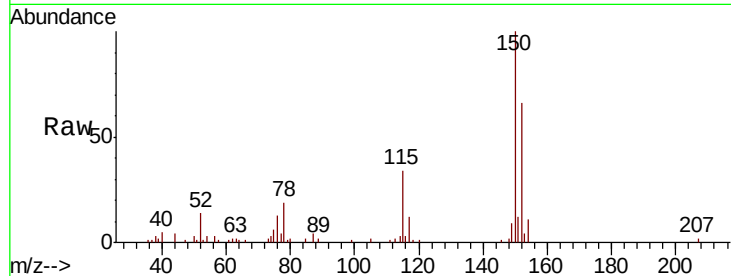
Tot Ion:146 Resp: 327

Ion Ratio Lower Upper

146 100

111 0.0 18.2 54.6#

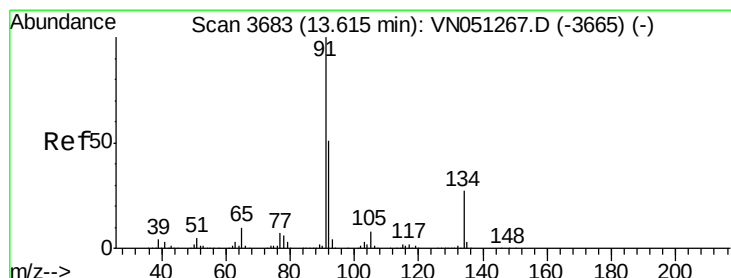
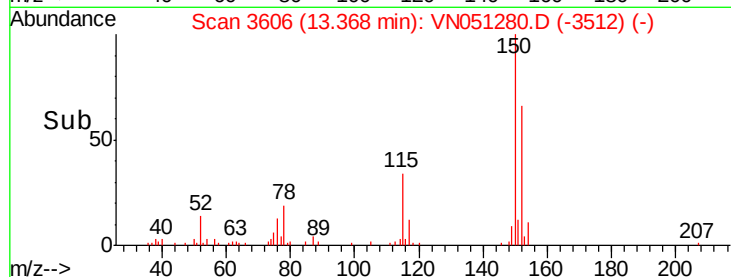
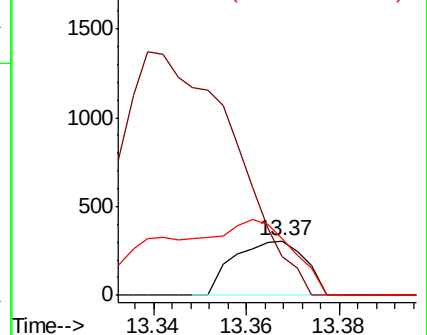
148 113.1 31.9 95.7#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.07 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

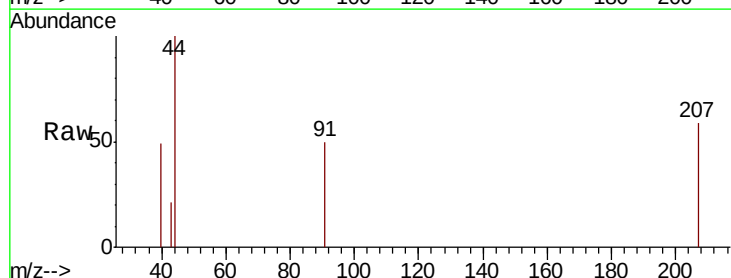
Tgt Ion: 91 Resp: 496

Ion Ratio Lower Upper

91 100

92 13.3 25.8 77.4#

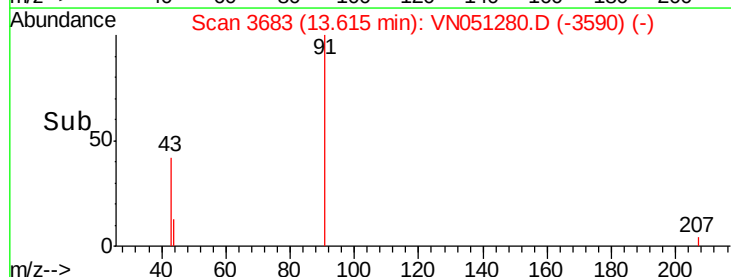
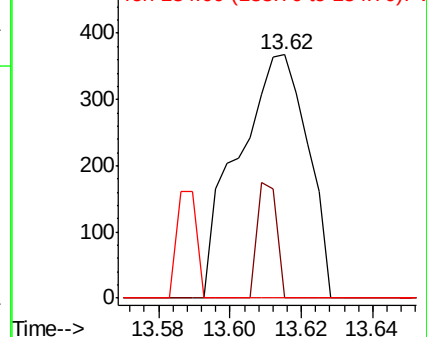
134 0.0 13.7 41.0#

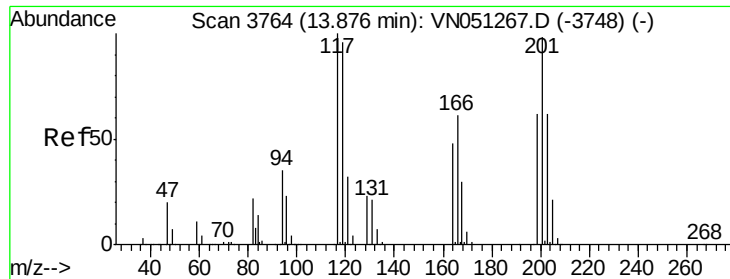


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

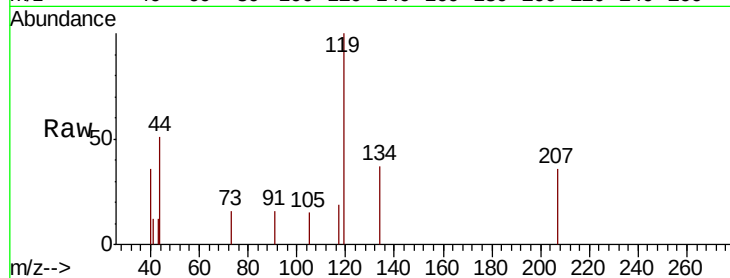
ClientSampled :

Tot Ion:117 Resp: 265

Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.90

250

200

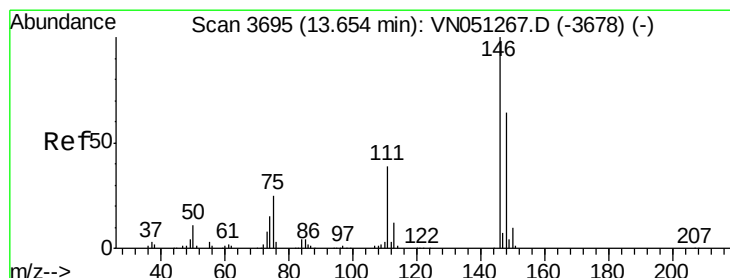
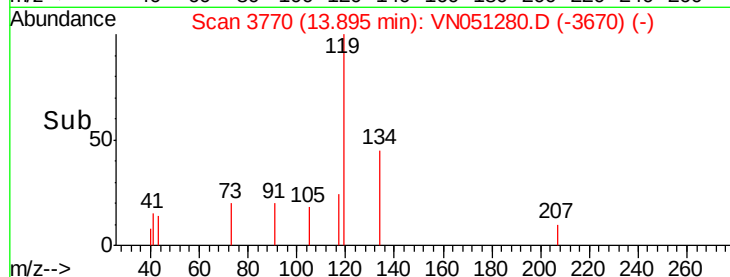
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

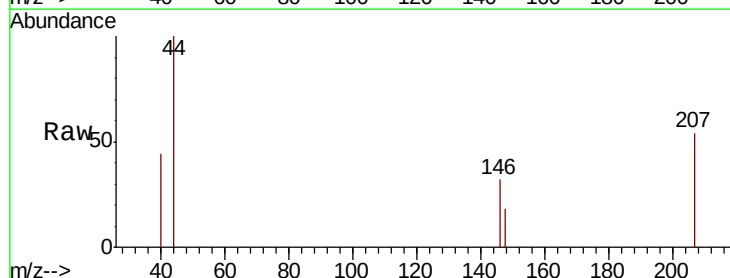
Tgt Ion:146 Resp: 233

Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.7#

148 24.9 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

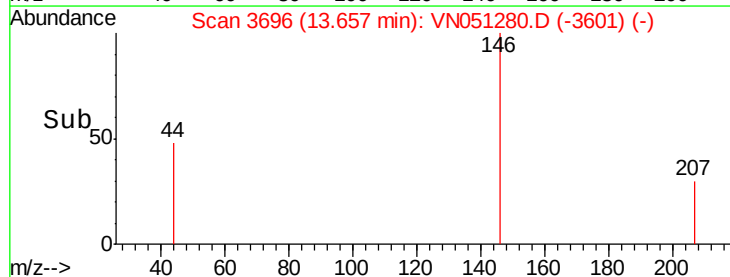
300

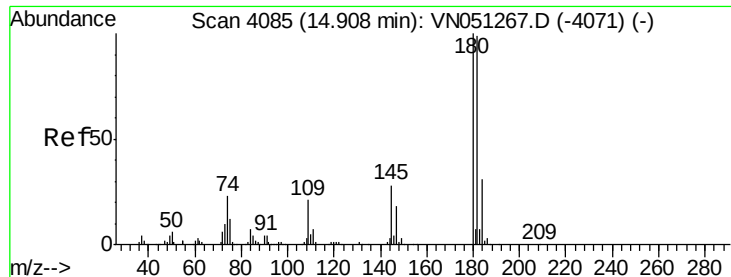
200

100

0

Time-->

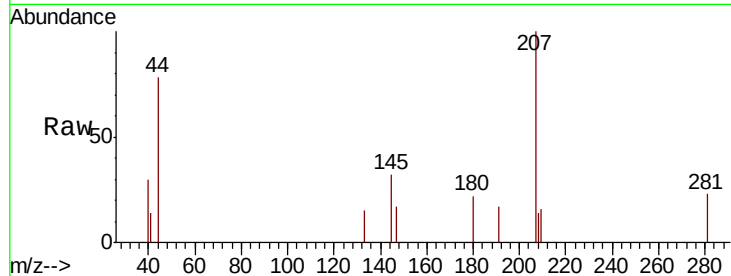




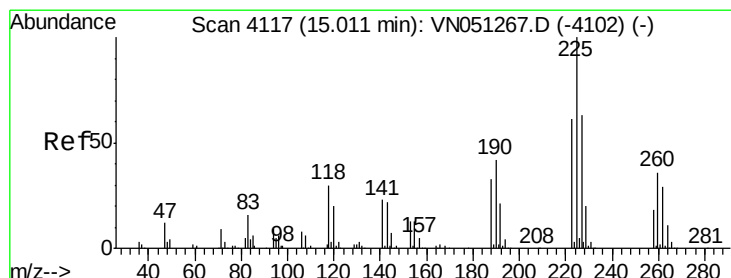
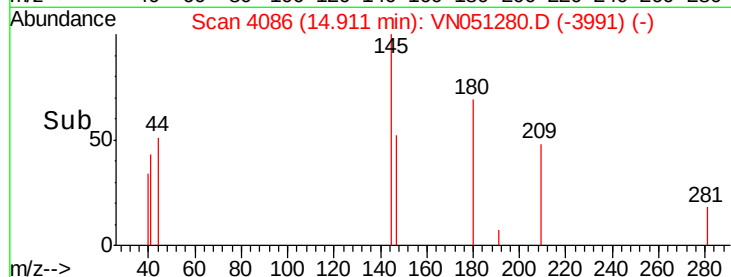
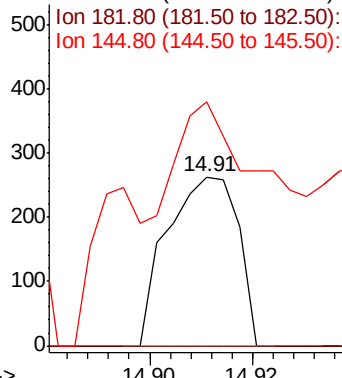
#93
 1,2,4-Trichlorobenzene
 Concen: 5.11 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 250
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.5 145.6#
 145 103.6 14.0 41.9#

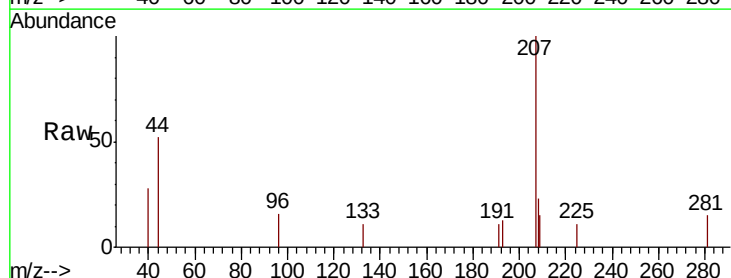


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

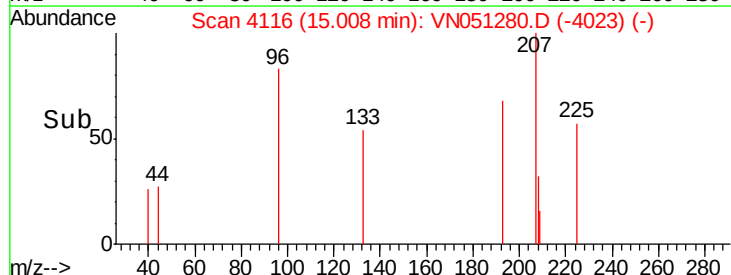
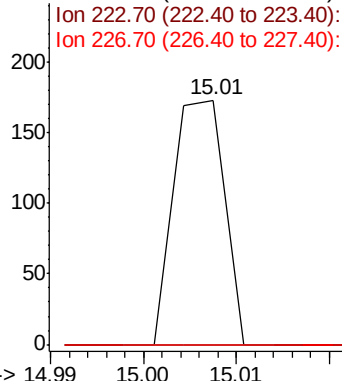


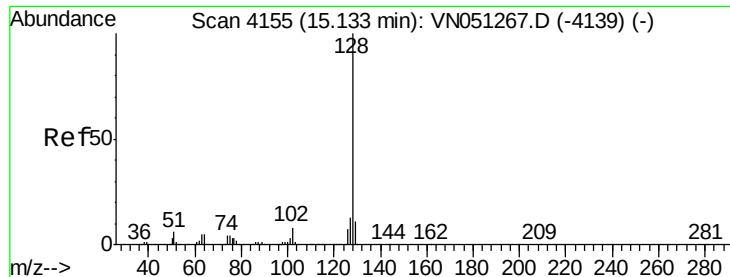
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051280.D
 Acq: 17 Sep 2018 19:27

Tgt Ion:225 Resp: 66
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.8 92.3#
 227 0.0 32.1 96.3#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 9.32 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

Instrument :

MSVOA_N

ClientSampleId :

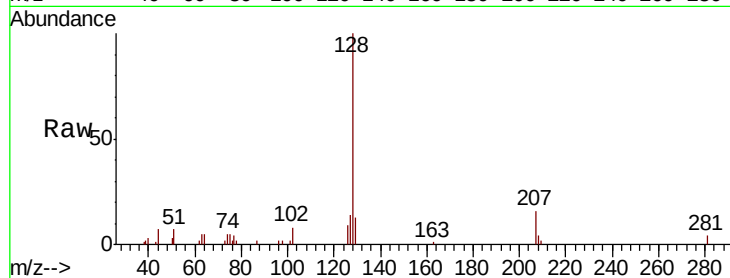
Tot Ion:128 Resp: 21065

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 11.3 8.9 13.3



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

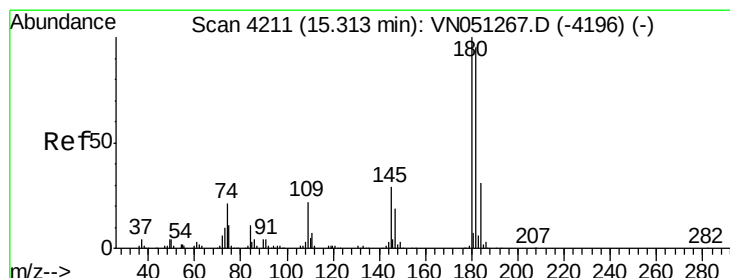
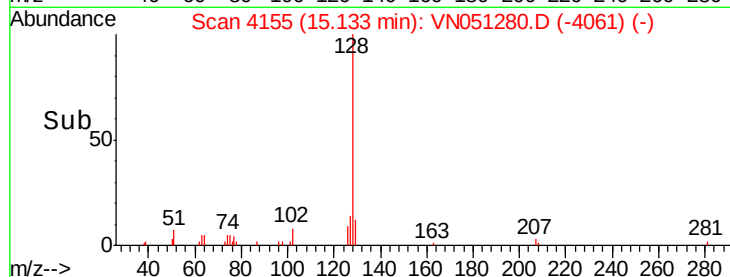
15.13

10000

5000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.92 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051280.D

Acq: 17 Sep 2018 19:27

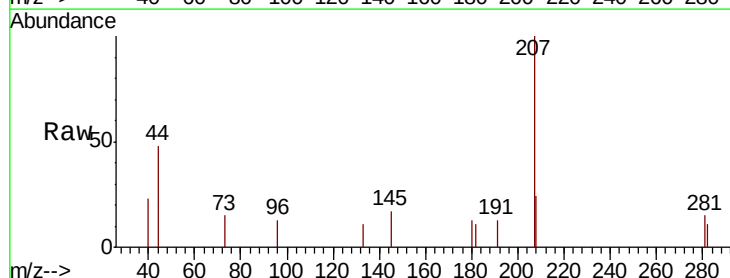
Tgt Ion:180 Resp: 188

Ion Ratio Lower Upper

180 100

182 86.7 47.5 142.6

145 185.6 14.8 44.4#



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

15.32

500

400

300

200

100

0

Time-->

