

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053182.D
 Acq On : 24 Dec 2018 13:53
 Operator : MD\SY
 Sample : J6528-02 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23737

Quant Time: Dec 24 22:28:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1230421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1907254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1734704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	738644	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	609724	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	526262	60.40	ug/l	0.00
Spiked Amount			Recovery	=	120.80%	
50) Toluene-d8	10.09	98	2330938	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	804770	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

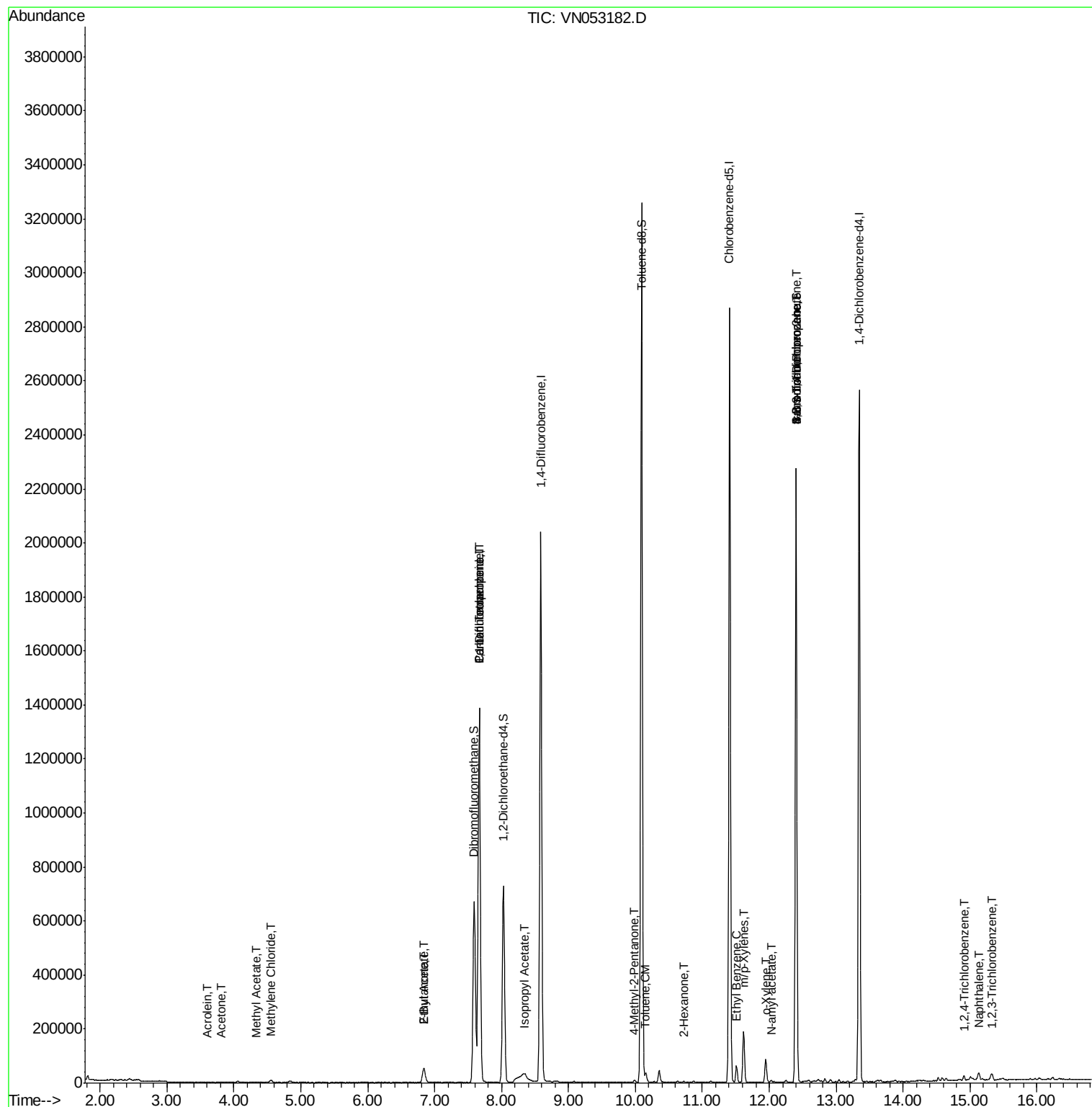
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	145	0.210	ug/l	98
16) Acetone	3.82	43	3813	1.557	ug/l	98
18) Methyl Acetate	4.33	43	1494	1.124	ug/l #	60
20) Methylene Chloride	4.55	84	5952	0.446	ug/l	96
25) 2-Butanone	6.84	43	97106	23.634	ug/l	98
31) Cyclohexane	7.67	56	20096	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	81347	4.444	ug/l #	49
37) Ethyl Acetate	6.84	43	97106	9.502	ug/l #	68
38) Carbon Tetrachloride	7.67	117	104473	6.226	ug/l #	16
43) Isopropyl Acetate	8.34	43	99285	4.061	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	6372	0.644	ug/l	97
52) Toluene	10.16	92	13553	0.402	ug/l	99
59) 2-Hexanone	10.72	43	2601	0.388	ug/l #	23
67) Ethyl Benzene	11.51	91	48451	0.733	ug/l	100
68) m/p-Xylenes	11.62	106	60868	2.421	ug/l	98
69) o-Xylene	11.95	106	24641	1.021	ug/l	99
71) Bromoform	12.40	173	4938	0.511	ug/l #	1
74) N-amyl acetate	12.03	43	5269	0.328	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	368009	29.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	368009	95.392	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5937	1.039	ug/l	97
94) Hexachlorobutadiene	15.01	225	2062	Below Cal		98
95) Naphthalene	15.13	128	24354	1.966	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	6108	1.014	ug/l	88

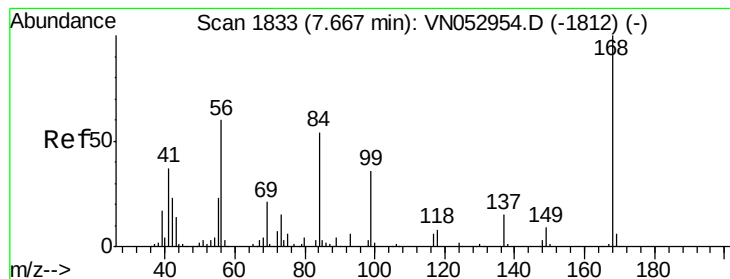
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053182.D
Acq On : 24 Dec 2018 13:53
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampled :

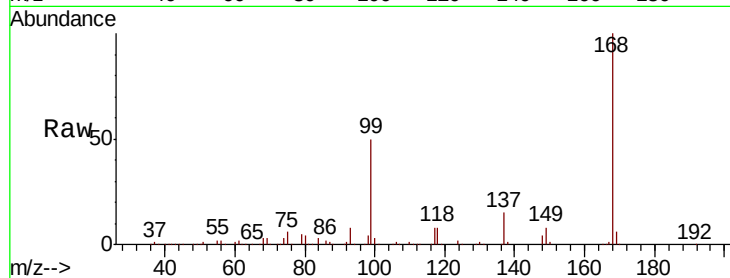
23737

Tot Ion:168 Resp: 1230421

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053182.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053182.D (-1740) (-)

7.67

600000

500000

400000

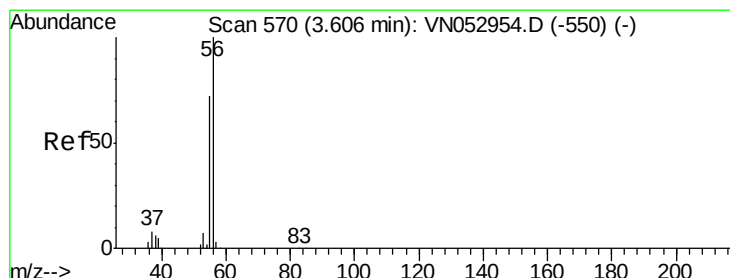
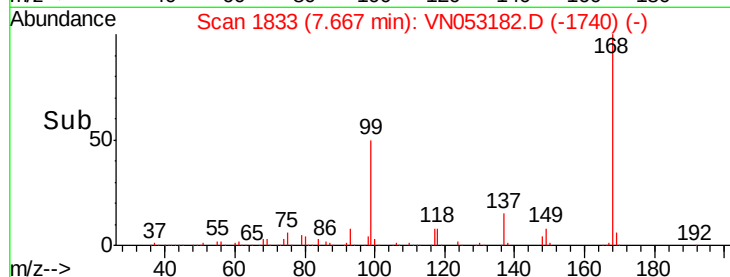
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.210 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053182.D

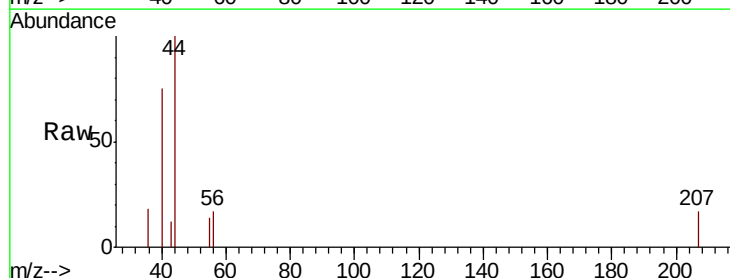
Acq: 24 Dec 2018 13:53

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN053182.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053182.D (-477) (-)

3.61

250

200

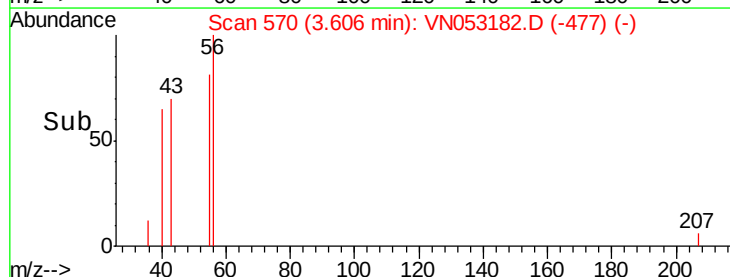
150

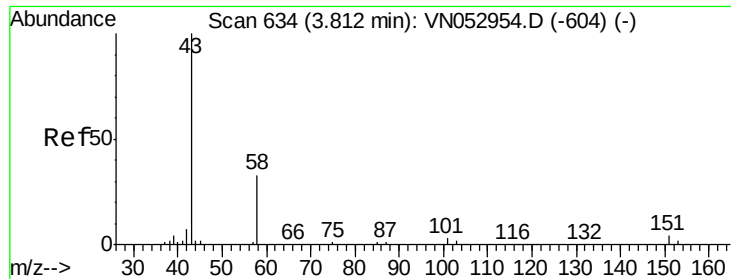
100

50

0

Time-->





#16

Acetone

Concen: 1.557 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampled :

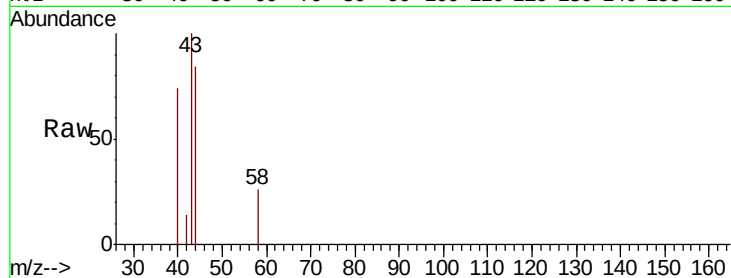
23737

Tot Ion: 43 Resp: 3813

Ion Ratio Lower Upper

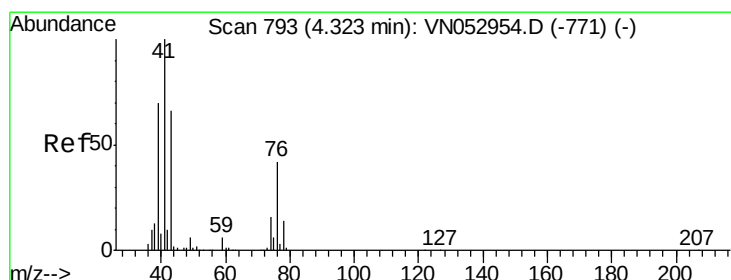
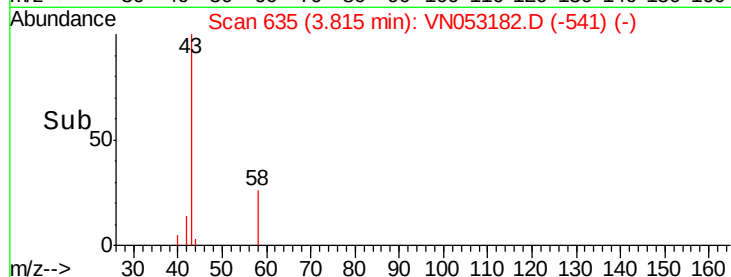
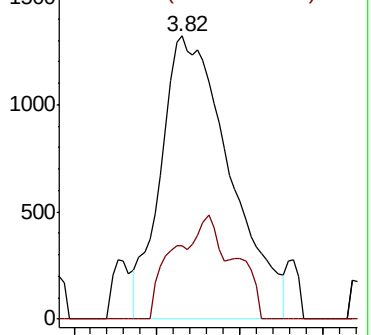
43 100

58 30.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.124 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053182.D

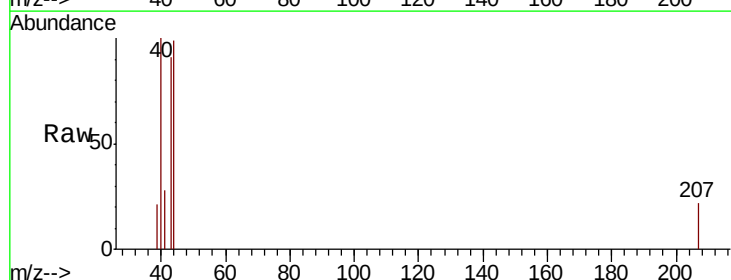
Acq: 24 Dec 2018 13:53

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

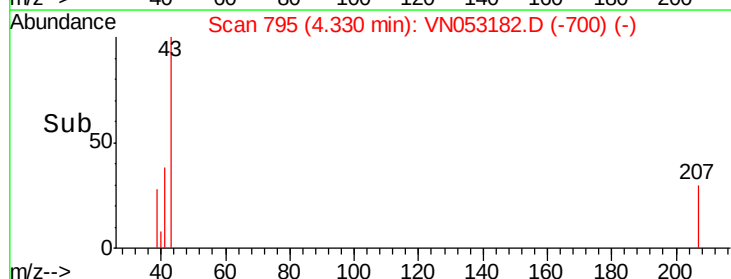
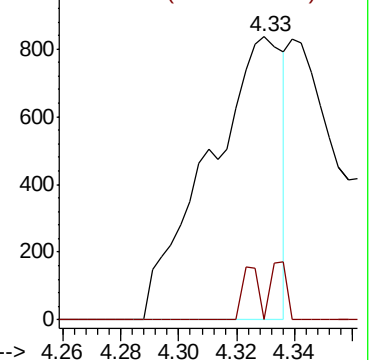
43 100

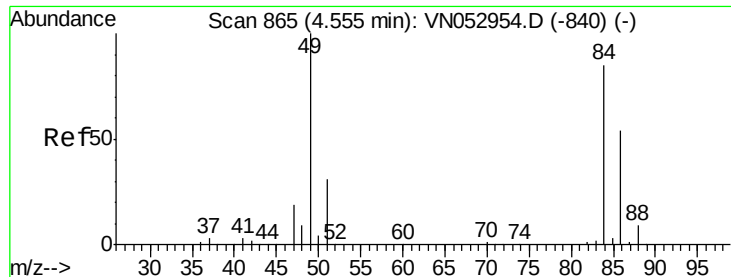
74 4.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



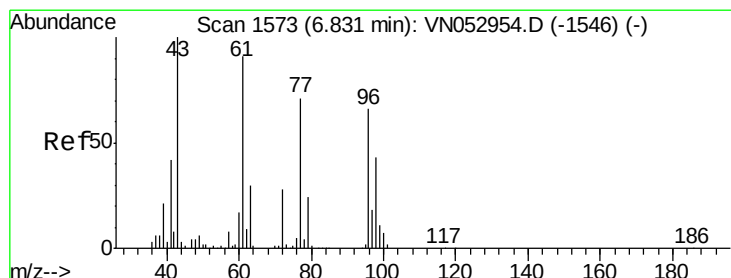
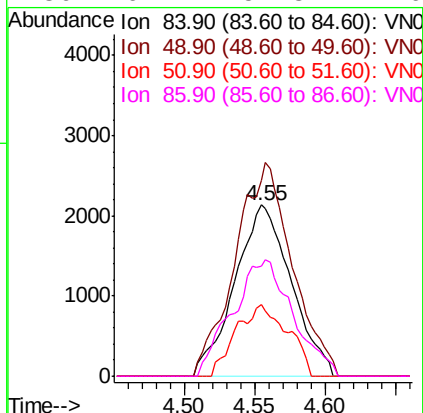
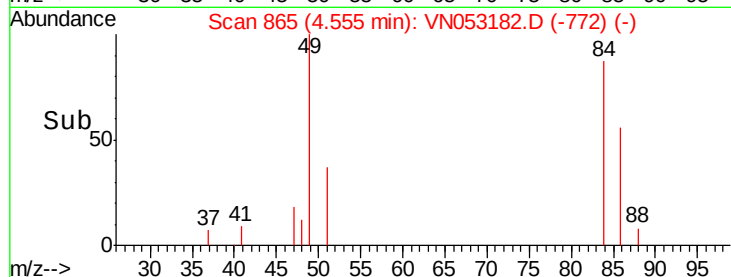
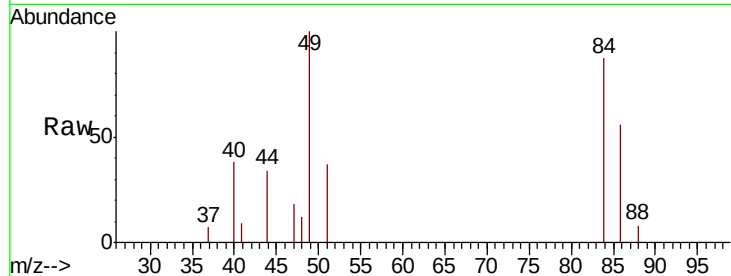


#20
Methvlene Chloride
Concen: 0.446 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Instrument :
MSVOA_N
ClientSampleId :
23737

Tot Ion: 84 Resp: 5952

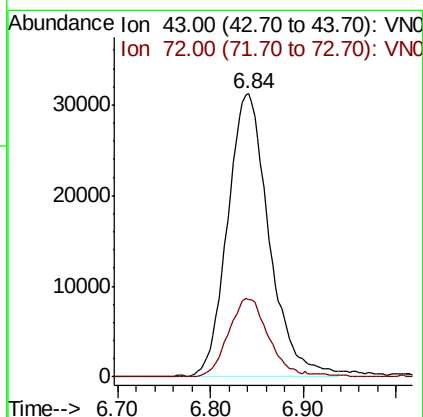
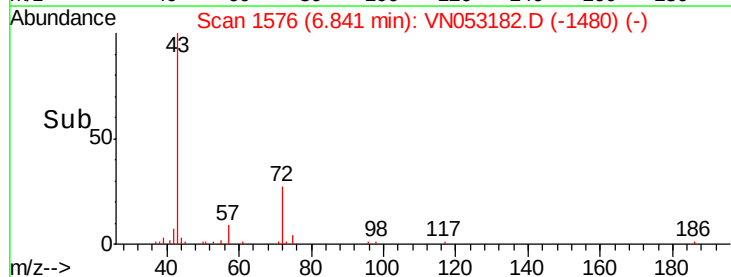
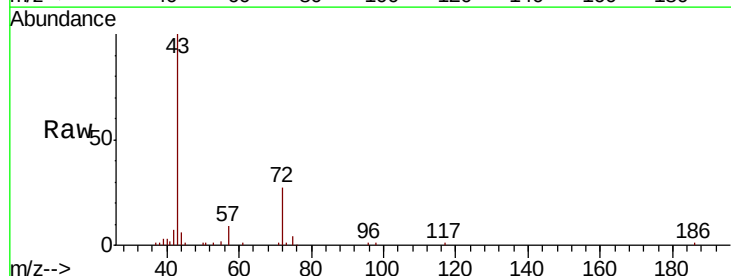
Ion	Ratio	Lower	Upper
84	100		
49	114.9	96.8	145.2
51	42.3	29.9	44.9
86	64.7	51.8	77.6

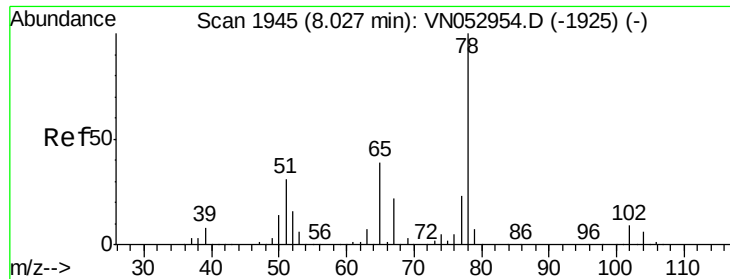


#25
2-Butanone
Concen: 23.634 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion: 43 Resp: 97106

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.0	31.6

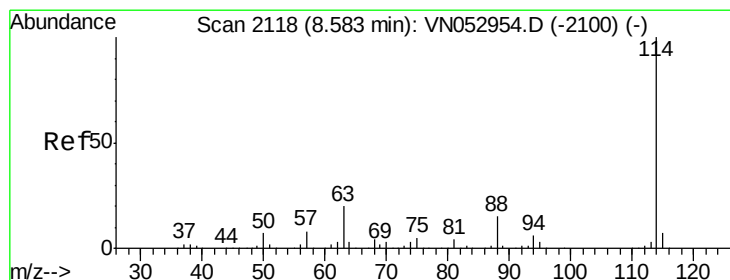
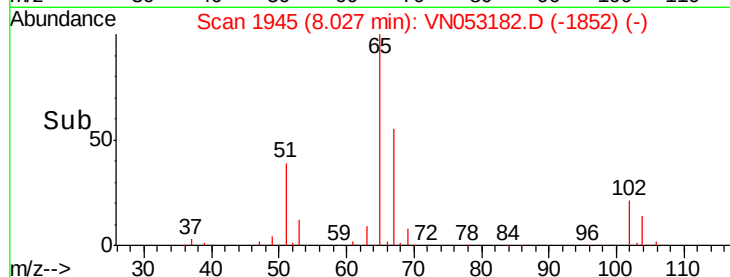
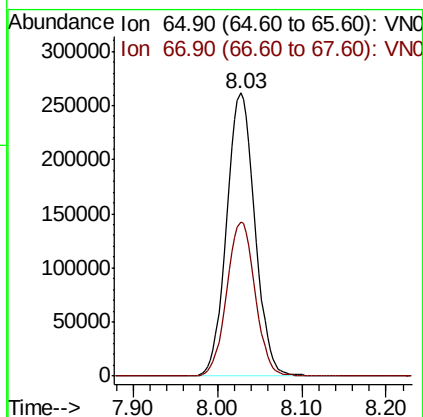
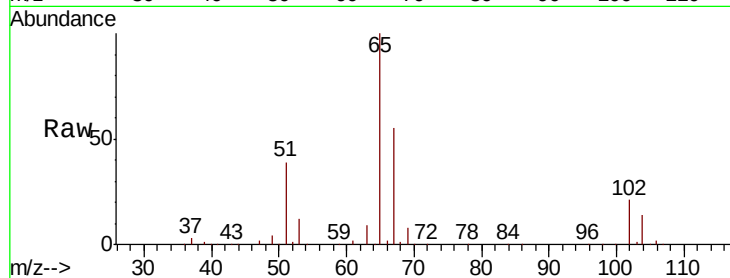




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

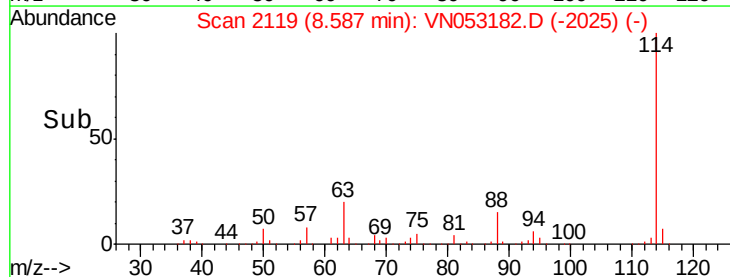
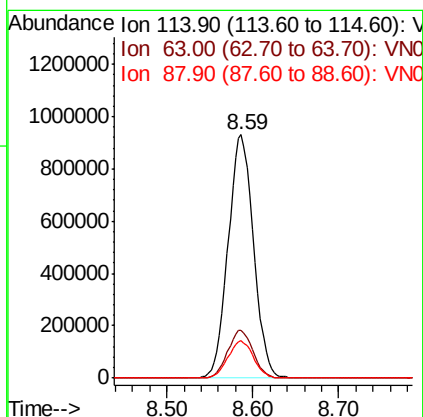
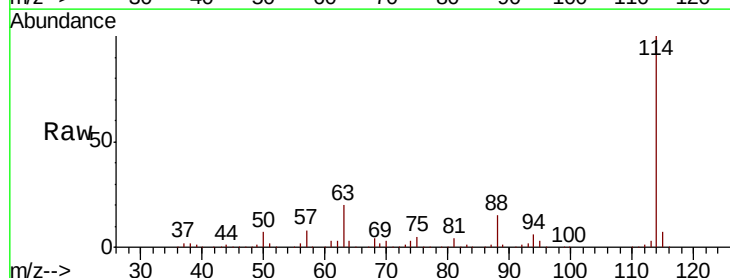
Instrument :
 MSVOA_N
 ClientSampleId :
 23737

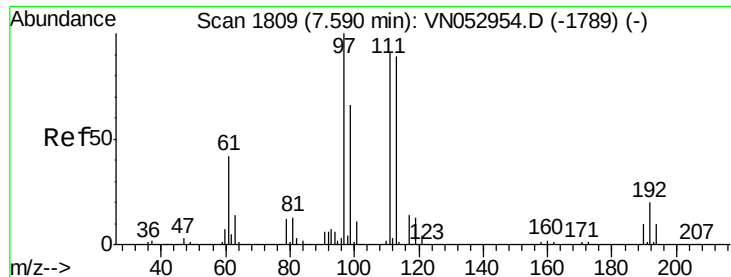
Tot Ion: 65 Resp: 609724
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

Tgt Ion: 114 Resp: 1907254
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.2 0.0 31.0

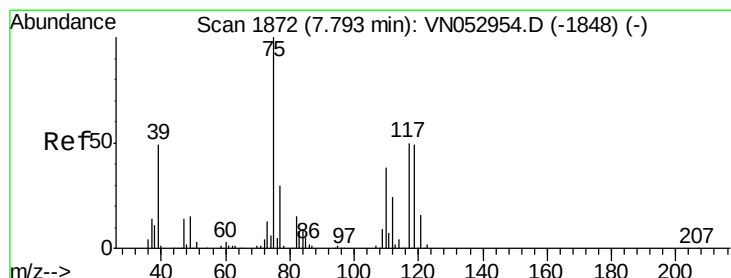
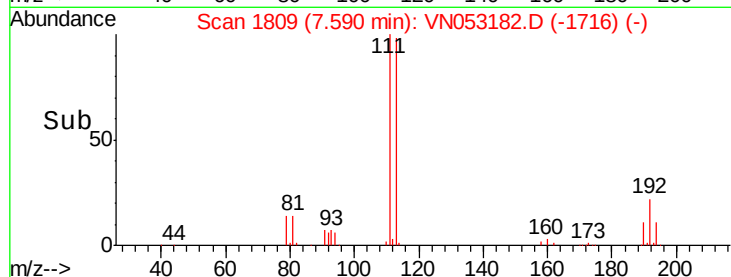
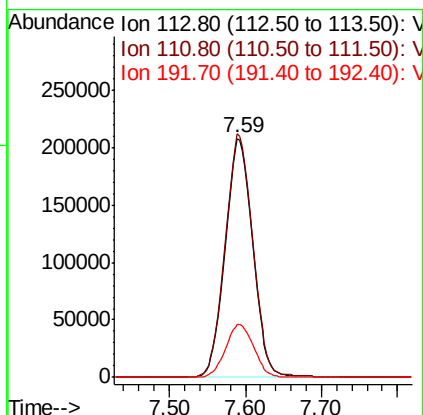
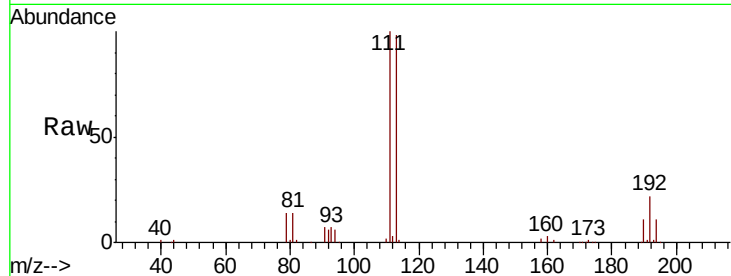




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

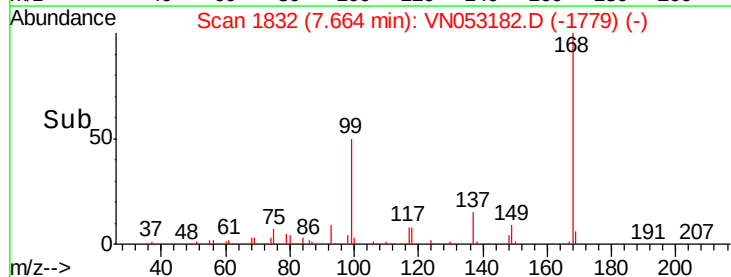
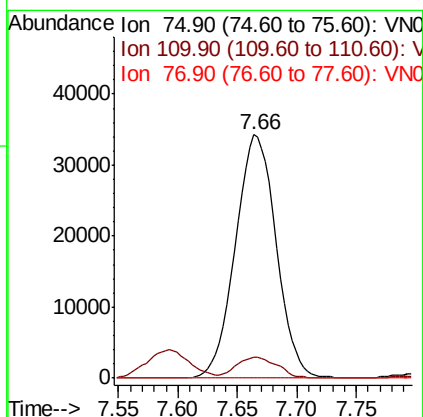
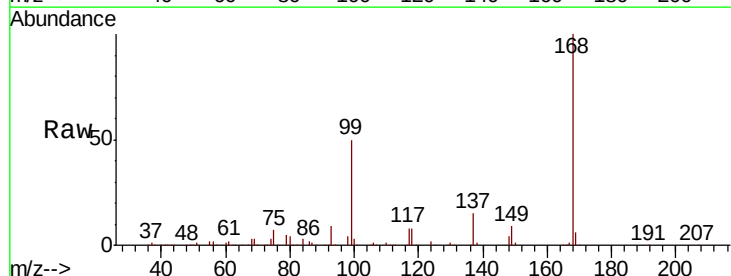
Instrument :
 MSVOA_N
 ClientSampled :
 23737

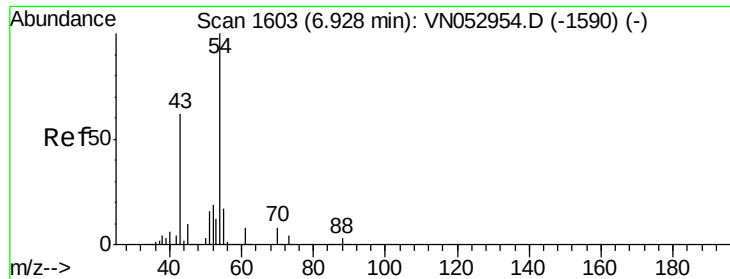
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	22.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#

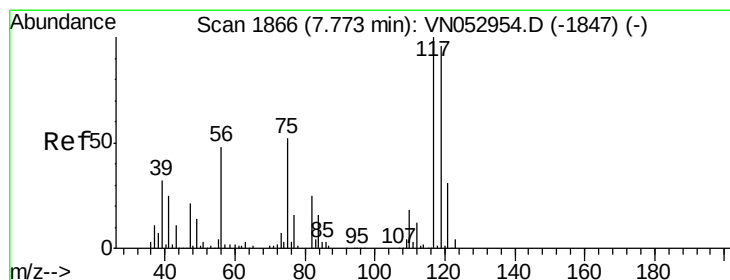
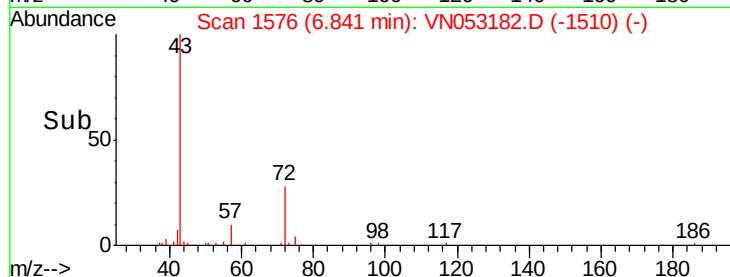
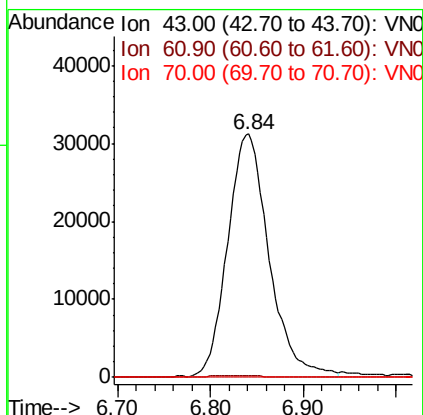
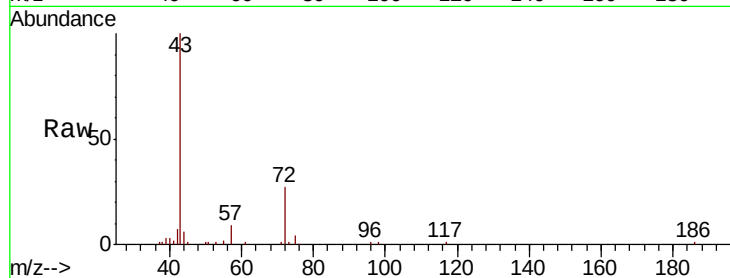




#37
Ethyl Acetate
Concen: 9.502 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

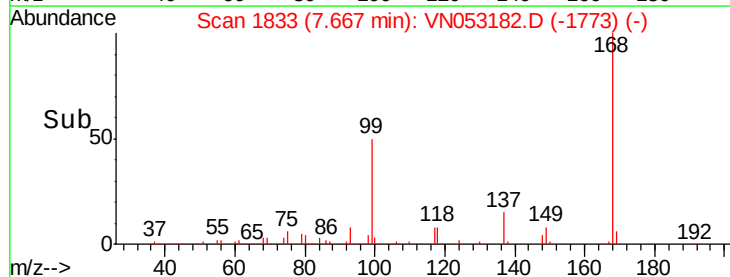
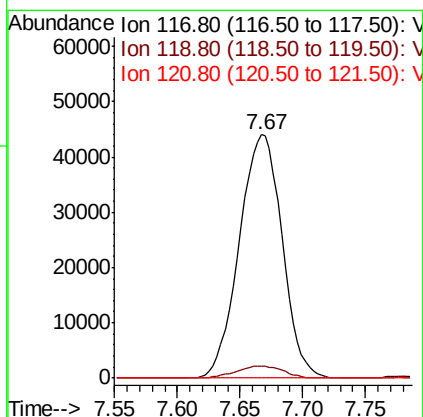
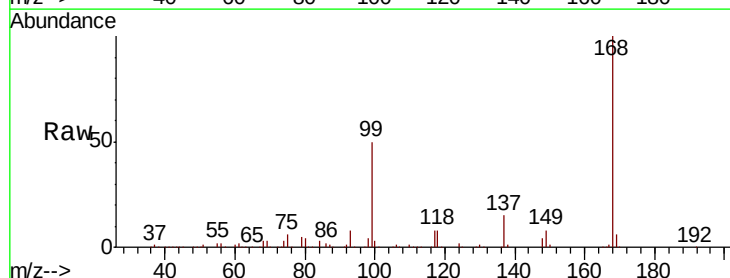
Instrument :
MSVOA_N
ClientSampleId :
23737

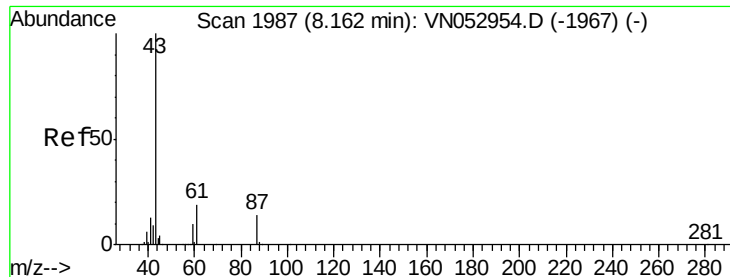
Tot Ion: 43 Resp: 97106
Ion Ratio Lower Upper
43 100
61 0.3 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion: 117 Resp: 104473
Ion Ratio Lower Upper
117 100
119 4.9 77.1 115.7#
121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 4.061 ug/l

RT: 8.34 min Scan# 2042

Delta R.T. 0.18 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampleId :

23737

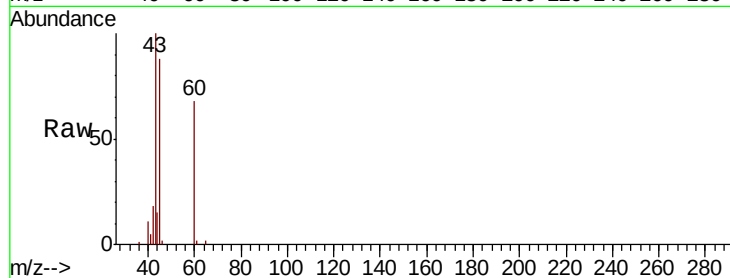
Tot Ion: 43 Resp: 99285

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053182.D (-2042) (-)

Ion 61.00 (60.70 to 61.70): VN053182.D (-2042) (-)

Ion 87.00 (86.70 to 87.70): VN053182.D (-2042) (-)

8.34

15000

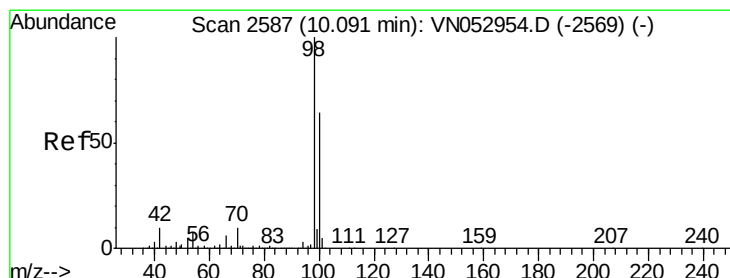
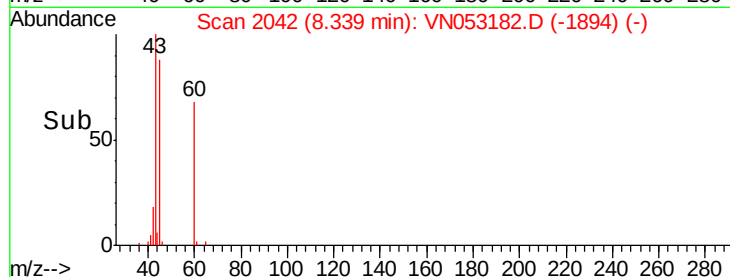
10000

5000

0

Time-->

8.00 8.20 8.40



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053182.D

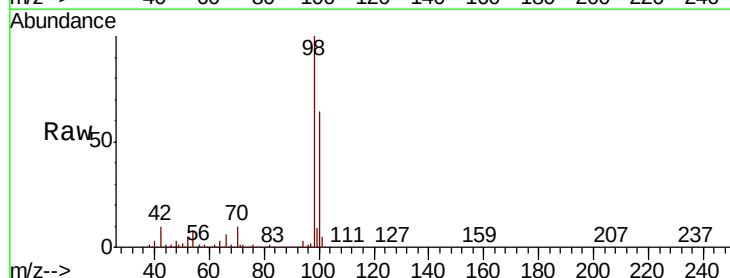
Acq: 24 Dec 2018 13:53

Tgt Ion: 98 Resp: 2330938

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053182.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN053182.D (-2587) (-)

1500000

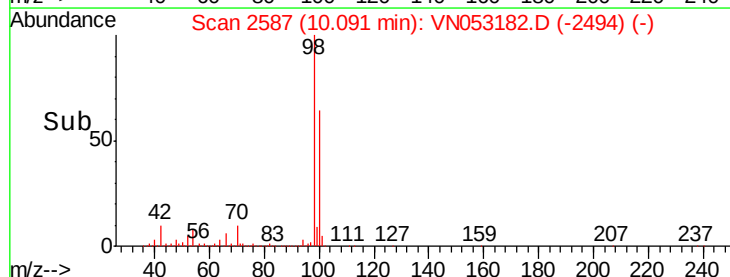
1000000

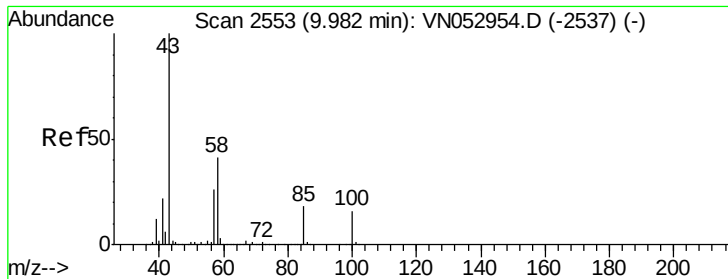
500000

0

Time-->

10.00 10.10 10.20

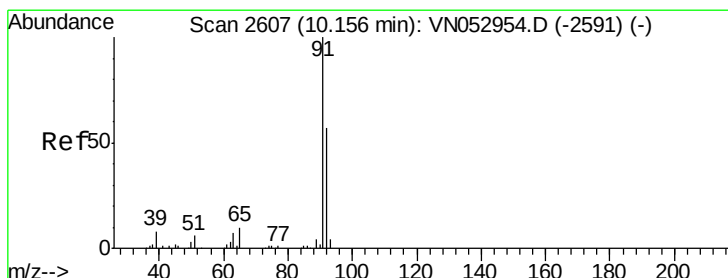
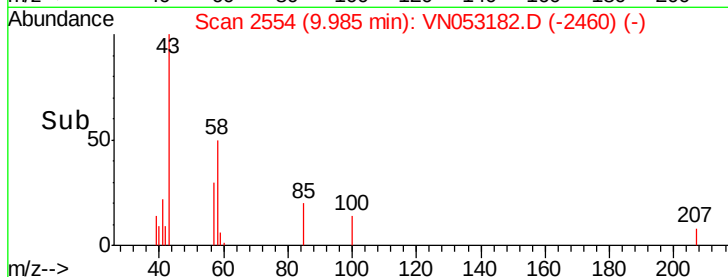
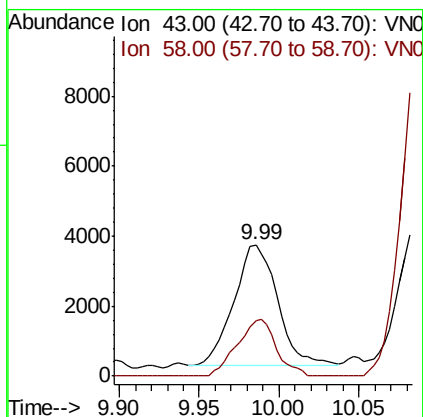
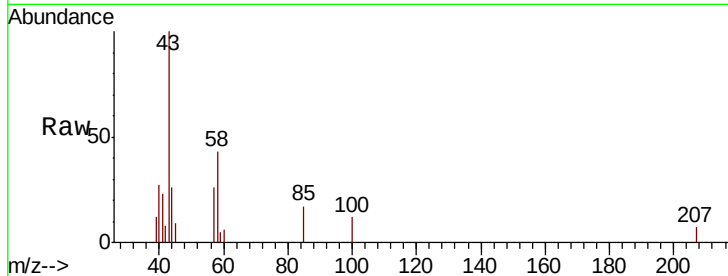




#51
 4-Methyl-2-Pentanone
 Concen: 0.644 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

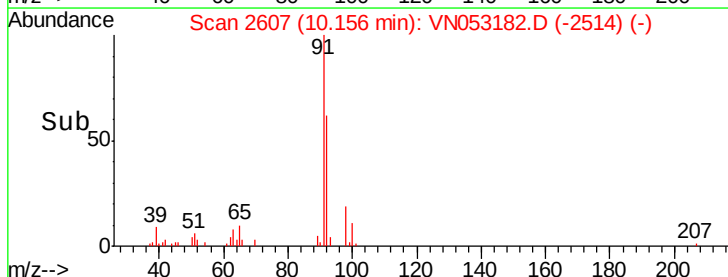
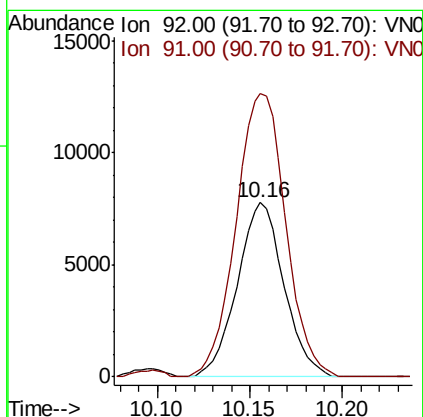
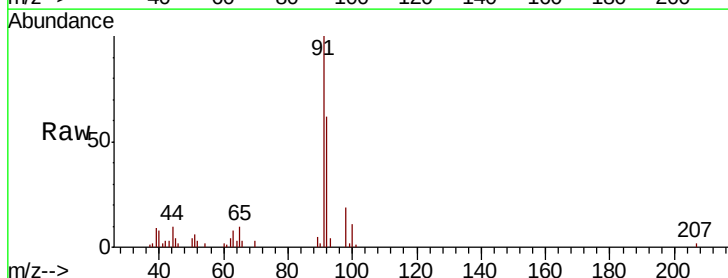
Instrument :
 MSVOA_N
 ClientSampled :
 23737

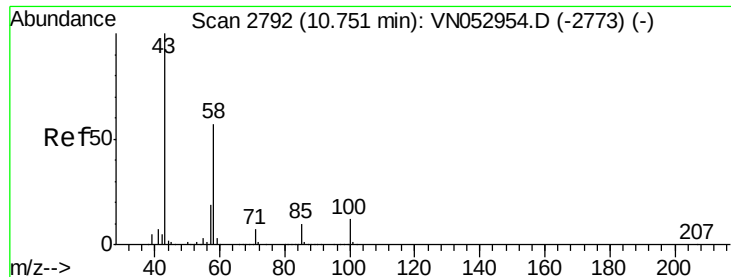
Tot Ion: 43 Resp: 6372
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.2 48.4



#52
 Toluene
 Concen: 0.402 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

Tgt Ion: 92 Resp: 13553
 Ion Ratio Lower Upper
 92 100
 91 173.4 139.8 209.6

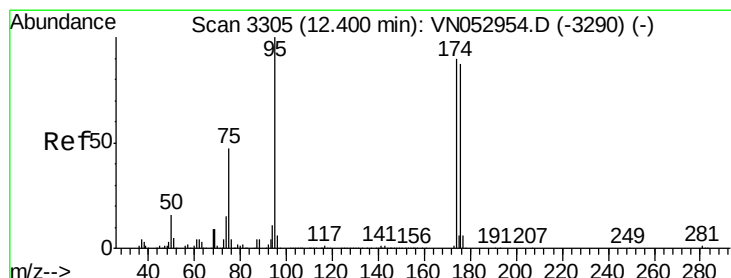
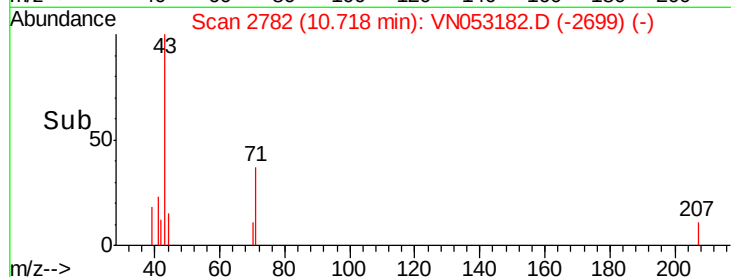
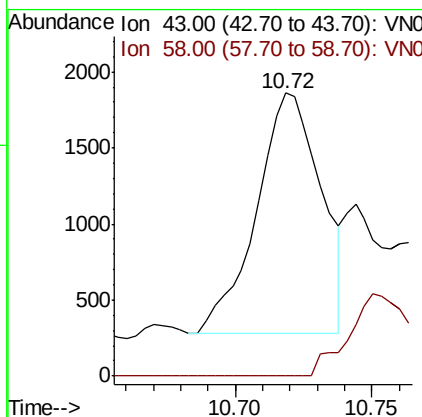
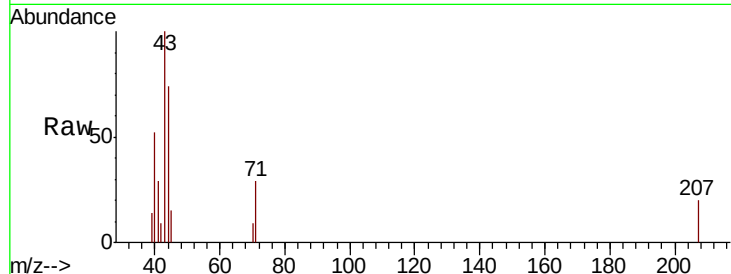




#59
2-Hexanone
Concen: 0.388 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

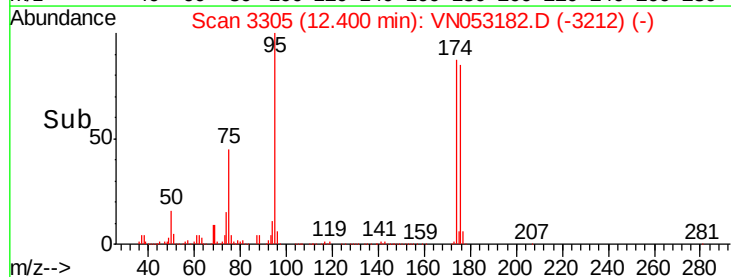
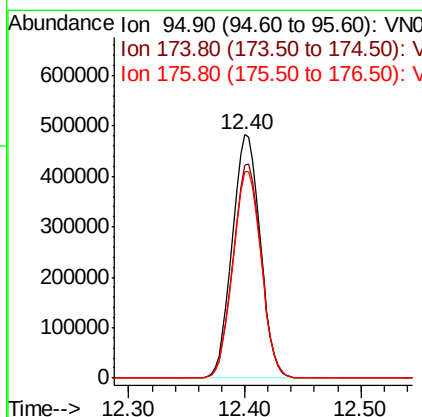
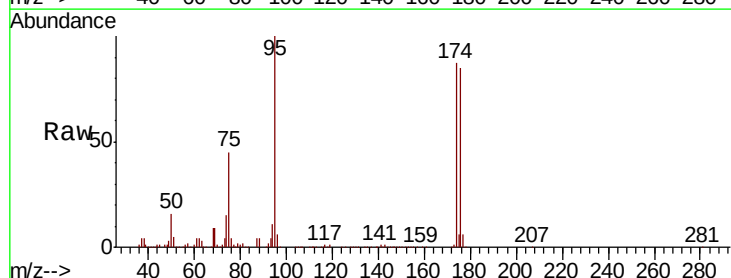
Instrument :
MSVOA_N
ClientSampleId :
23737

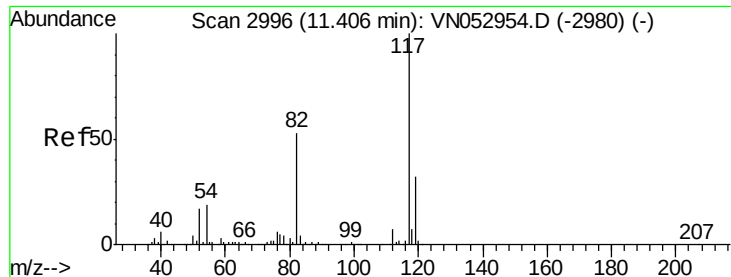
Tot Ion: 43 Resp: 2601
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion: 95 Resp: 804770
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.8
176 85.8 0.0 173.8

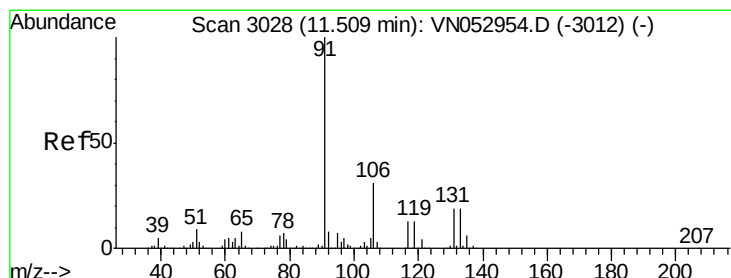
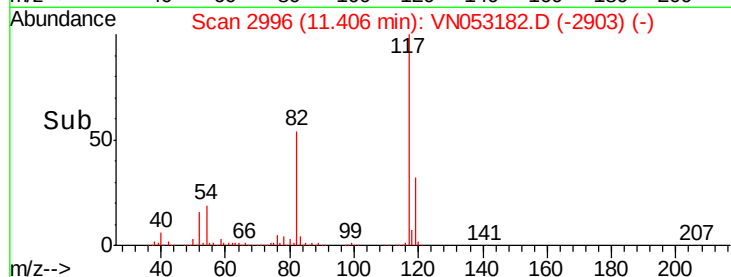
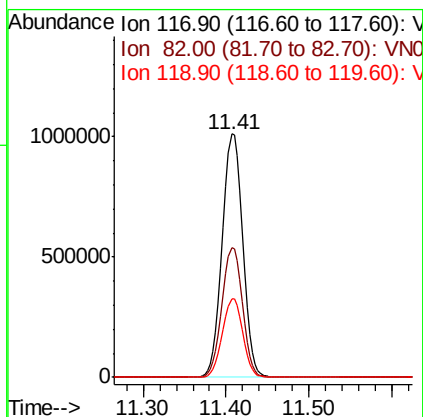
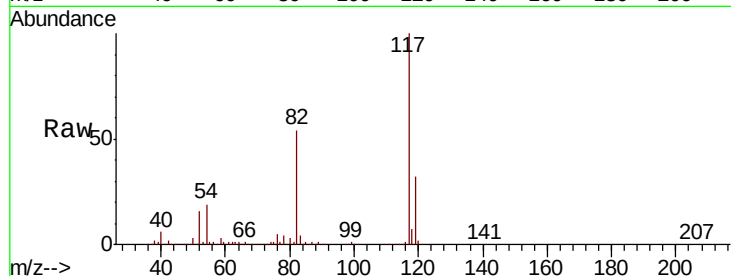




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

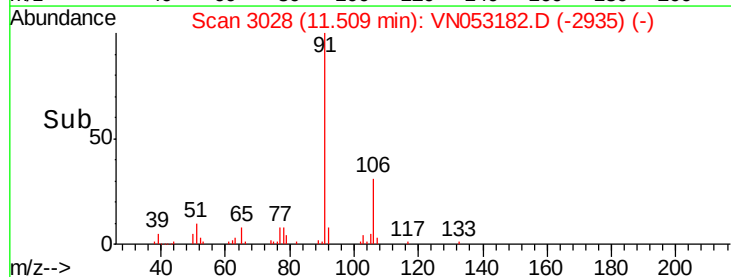
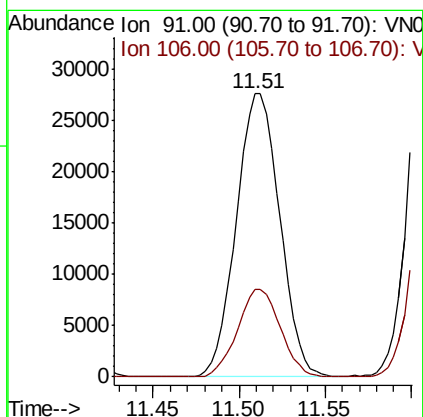
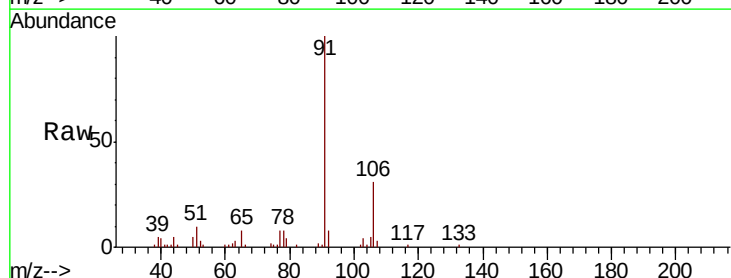
Instrument :
MSVOA_N
ClientSampled :
23737

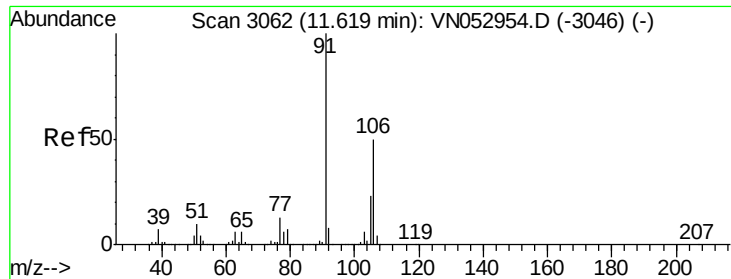
Tot Ion:117 Resp: 1734704
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.733 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion: 91 Resp: 48451
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

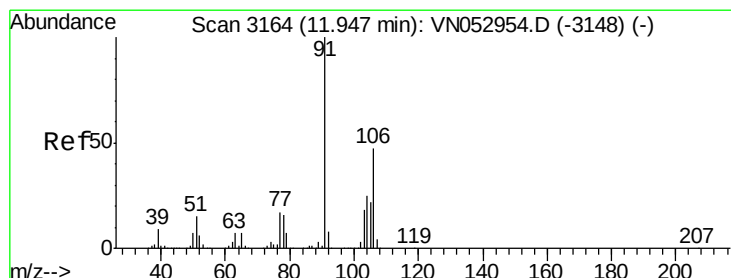
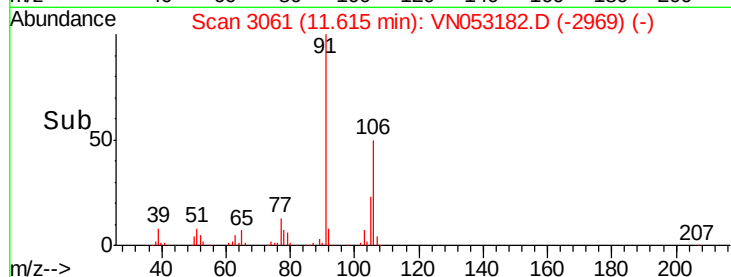
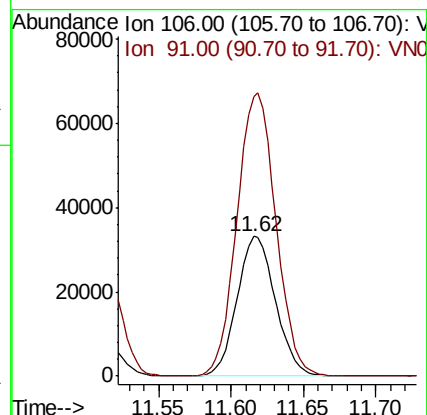
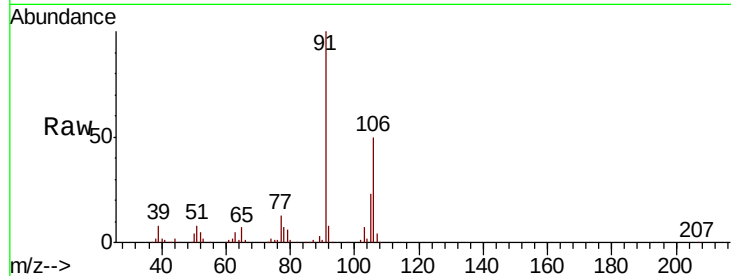




#68
m/p-Xylenes
Concen: 2.421 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

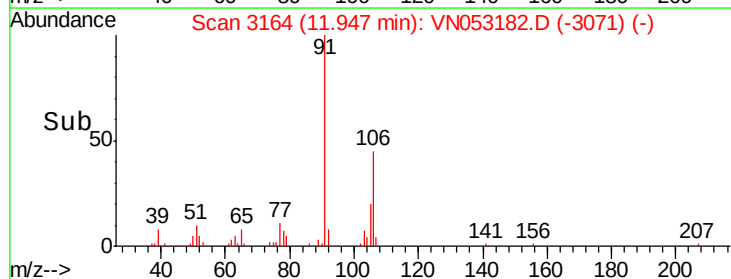
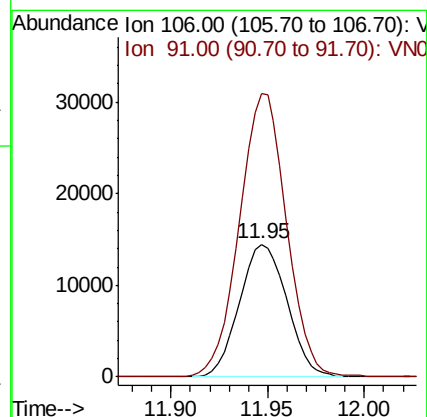
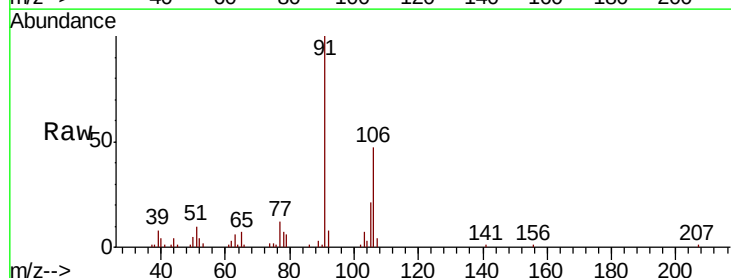
Instrument :
MSVOA_N
ClientSampled :
23737

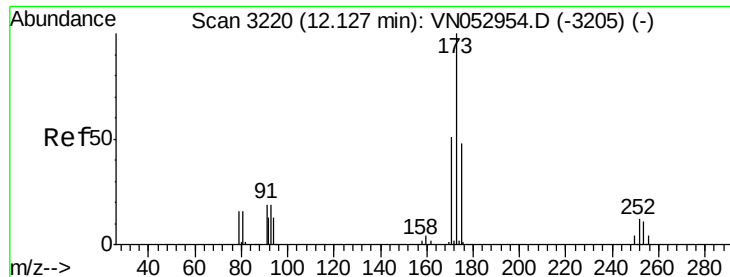
Tot Ion:106 Resp: 60868
Ion Ratio Lower Upper
106 100
91 206.3 162.2 243.4



#69
o-Xylene
Concen: 1.021 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion:106 Resp: 24641
Ion Ratio Lower Upper
106 100
91 212.2 106.6 319.8





#71

Bromoform

Concen: 0.511 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampleId :

23737

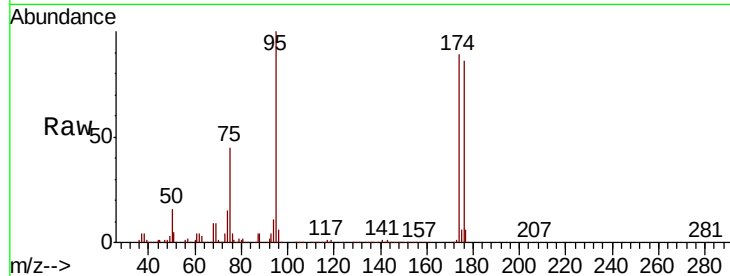
Tot Ion:173 Resp: 4938

Ion Ratio Lower Upper

173 100

175 905.0 24.3 72.9#

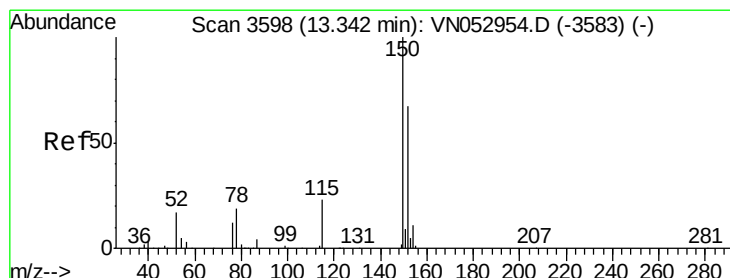
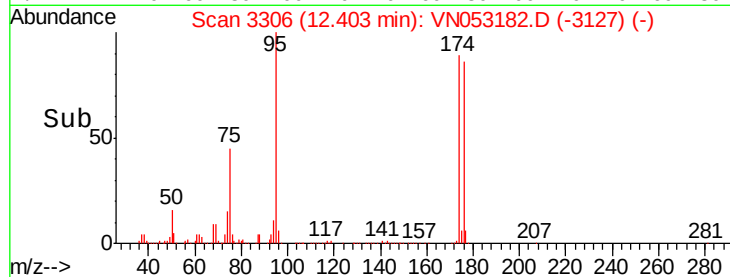
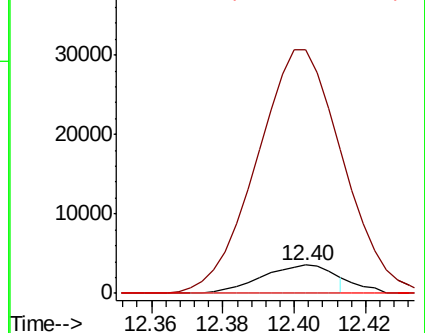
254 0.0 0.1 0.1#



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: VN053182.D

Acq: 24 Dec 2018 13:53

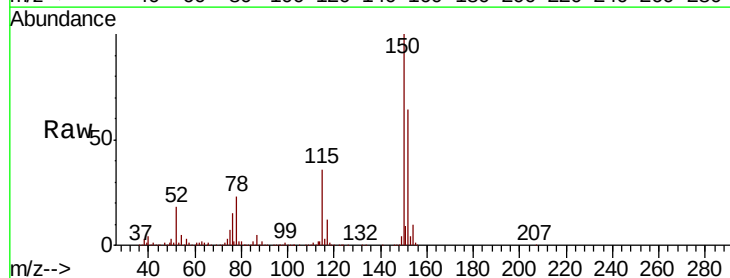
Tgt Ion:152 Resp: 738644

Ion Ratio Lower Upper

152 100

115 56.6 28.3 85.0

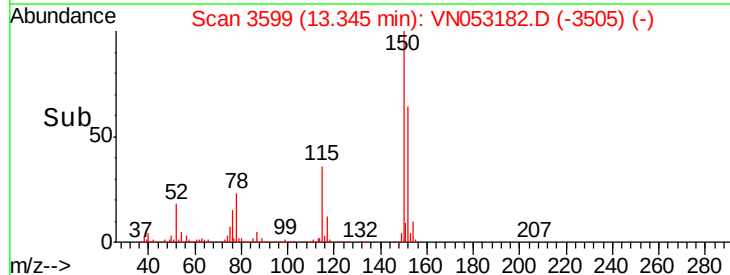
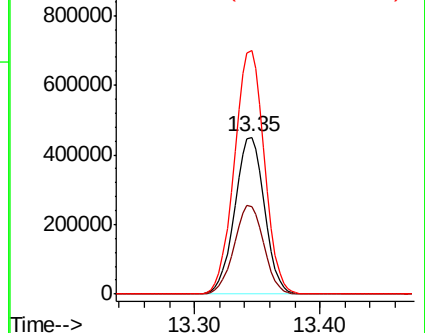
150 156.5 0.0 347.8

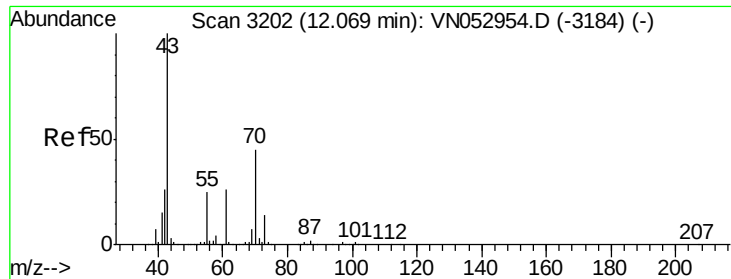


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

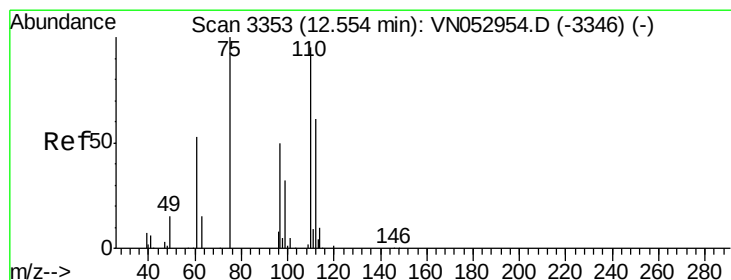
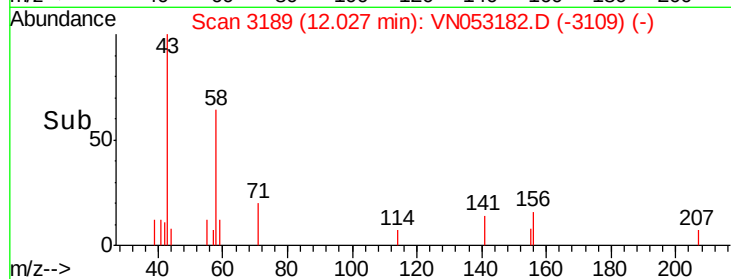
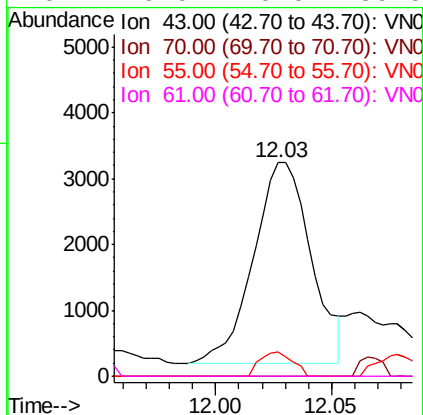
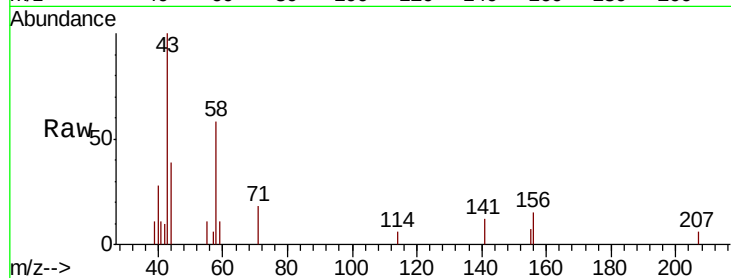




#74
N-amyl acetate
Concen: 0.328 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

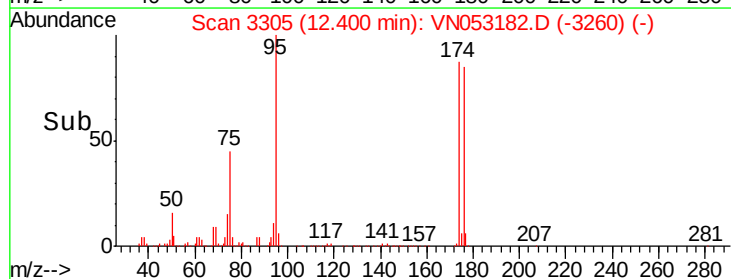
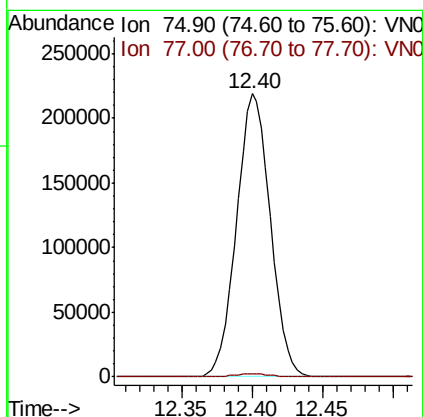
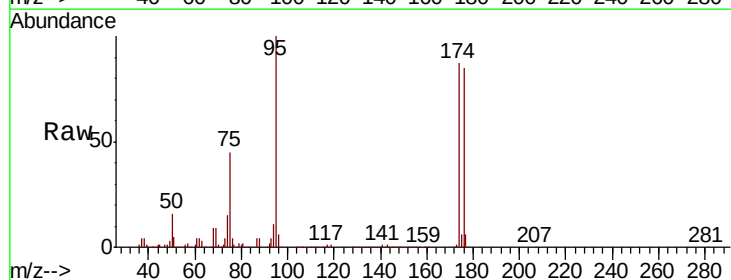
Instrument :
MSVOA_N
ClientSampled :
23737

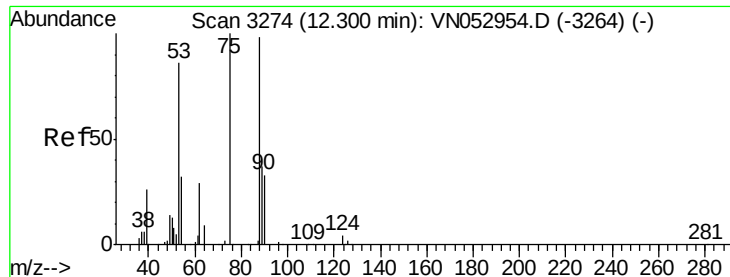
Tot Ion: 43 Resp: 5269
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 6.9 20.3 30.5#
61 0.0 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 29.596 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053182.D
Acq: 24 Dec 2018 13:53

Tgt Ion: 75 Resp: 368009
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampleId :

23737

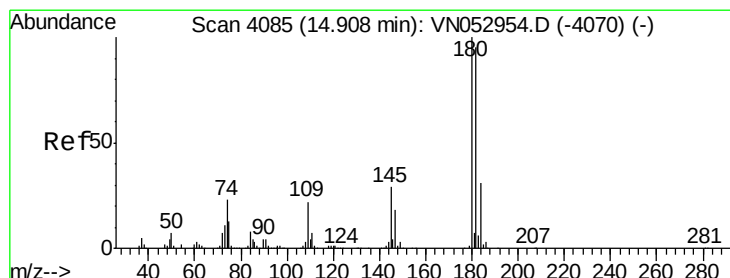
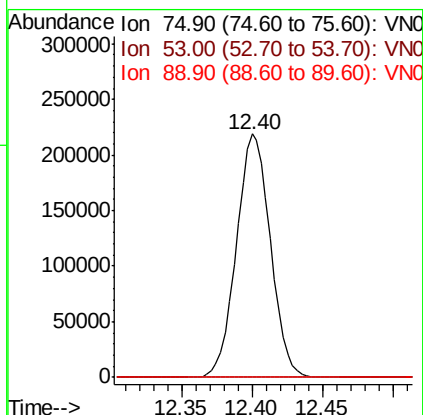
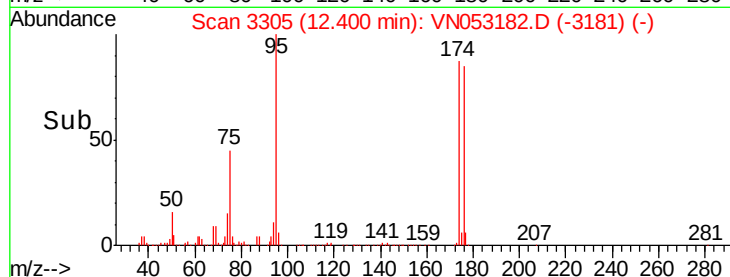
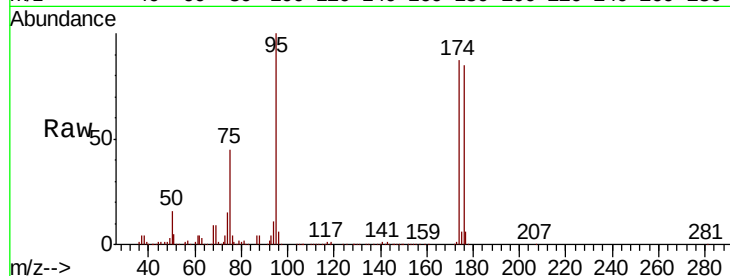
Tot Ion: 75 Resp: 368009

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



#93

1,2,4-Trichlorobenzene

Concen: 1.039 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

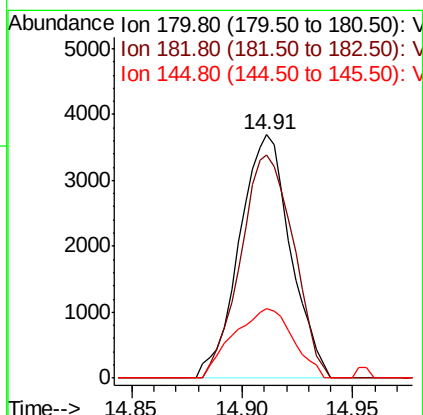
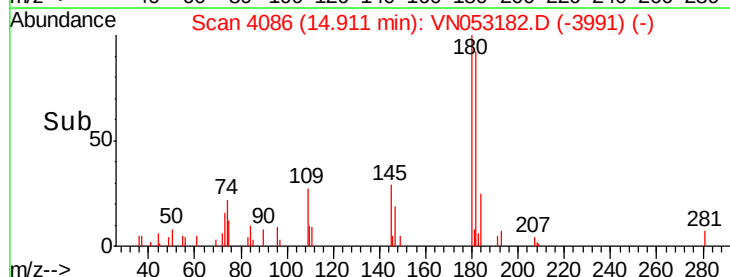
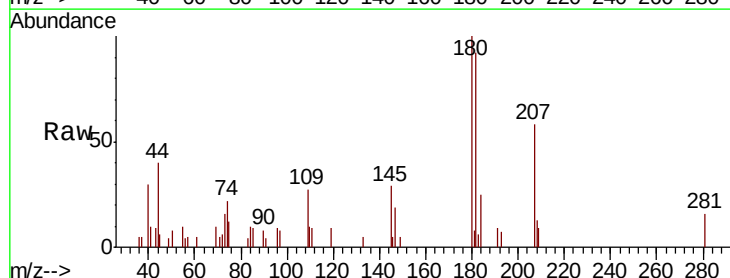
Tgt Ion: 180 Resp: 5937

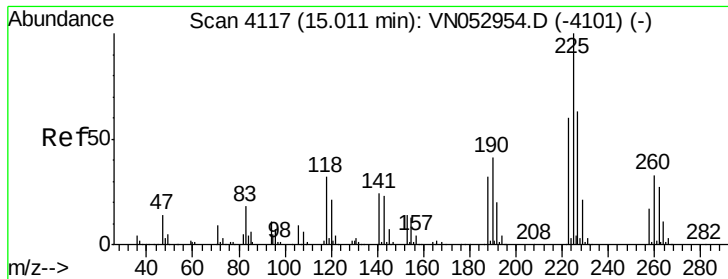
Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.3

145 33.1 14.2 42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

Instrument :

MSVOA_N

ClientSampleId :

23737

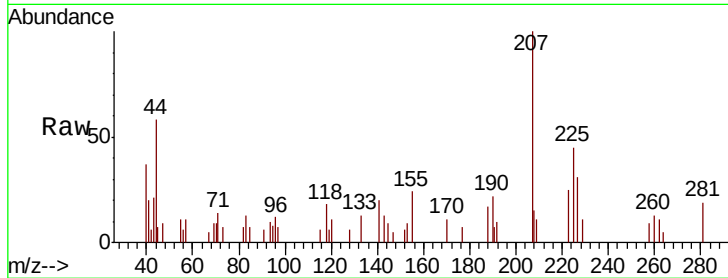
Tot Ion:225 Resp: 2062

Ion Ratio Lower Upper

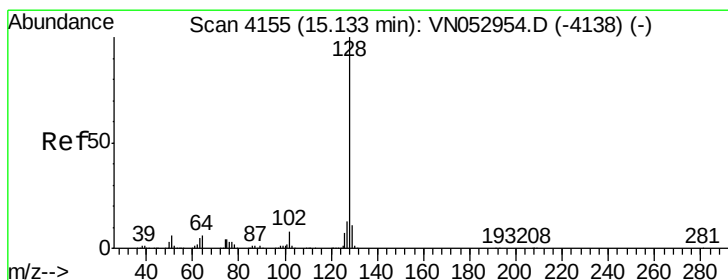
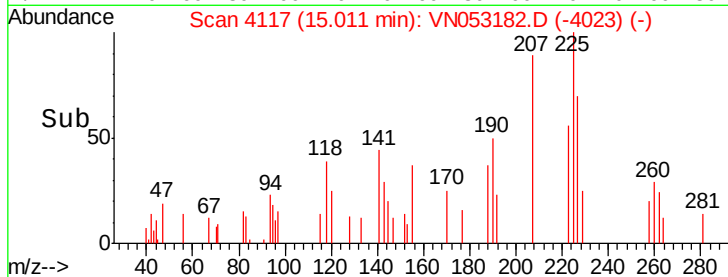
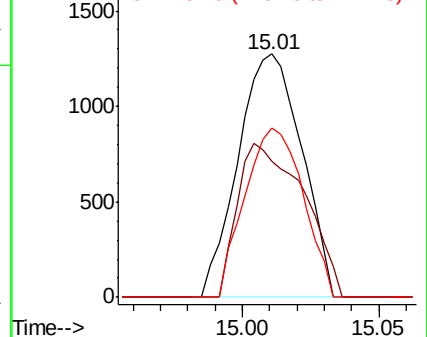
225 100

223 66.2 31.5 94.5

227 63.6 31.9 95.7



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: 1.966 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053182.D

Acq: 24 Dec 2018 13:53

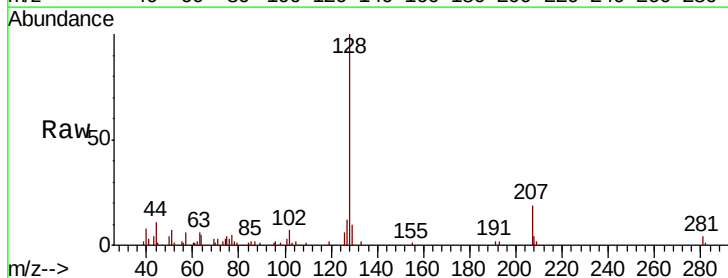
Tgt Ion:128 Resp: 24354

Ion Ratio Lower Upper

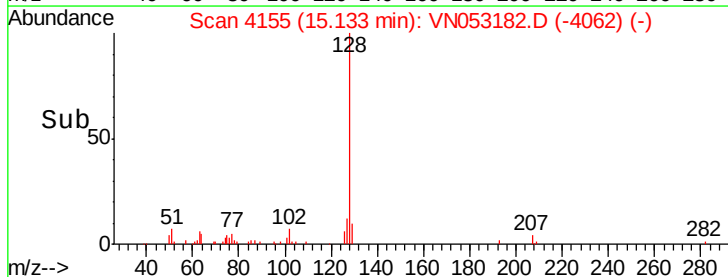
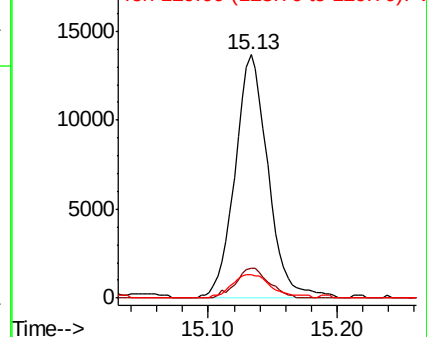
128 100

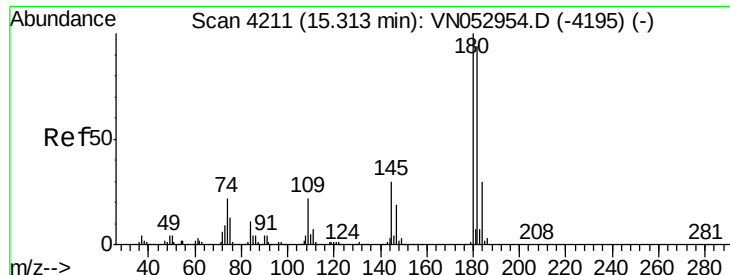
127 12.5 10.2 15.4

129 11.8 8.6 13.0



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

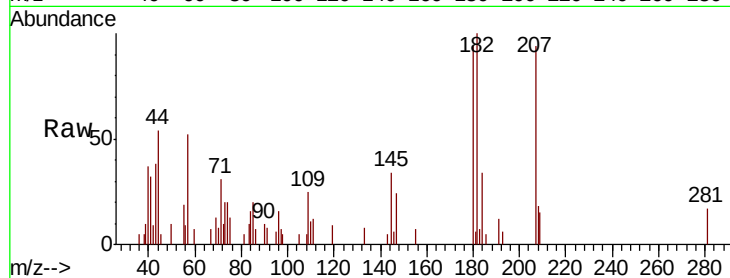




#96
 1,2,3-Trichlorobenzene
 Concen: 1.014 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053182.D
 Acq: 24 Dec 2018 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 23737

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.7	47.9	143.7
145	42.2	15.0	45.0



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

