

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050678.D
 Acq On : 16 Aug 2018 1:57
 Operator : MD\SY
 Sample : PB1112055ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

Quant Time: Aug 16 04:51:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	612891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1009141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420679	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.59	113	386774	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.09	98	1393634	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.40	95	387169	38.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.30%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2866	Below Cal		98
5) Bromomethane	2.57	94	4676	Below Cal		94
6) Chloroethane	2.71	64	643	Below Cal	#	43
10) Methyl Iodide	3.96	142	2018	7.28	ug/l #	61
11) Tert butyl alcohol	4.81	59	304	0.72	ug/l #	72
16) Acetone	3.83	43	13066	5.35	ug/l	96
17) Carbon Disulfide	4.05	76	6902	0.33	ug/l	97
18) Methyl Acetate	4.34	43	11612	1.17	ug/l	92
20) Methylene Chloride	4.55	84	15084	0.80	ug/l	95
25) 2-Butanone	6.85	43	7467	2.36	ug/l	97
29) Tetrahydrofuran	7.22	42	1178	0.71	ug/l #	65
31) Cyclohexane	7.67	56	11532	0.64	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41230	3.67	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54968	4.72	ug/l #	16
43) Isopropyl Acetate	8.17	43	221965	19.18	ug/l	99
48) Methyl methacrylate	9.18	41	8175	1.40	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3259	0.42	ug/l #	62
56) Ethyl methacrylate	10.43	69	181	1.92	ug/l #	71
58) 2-Chloroethyl Vinyl ether	9.70	63	109	10.44	ug/l #	48
59) 2-Hexanone	10.76	43	20661	4.09	ug/l	65
70) Styrene	11.97	104	1576	1.01	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.51	83	546	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.40	75	181697	35.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181697	129.73	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	2448	0.22	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	2448	0.22	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	2478	0.23	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.26	75	379	0.44	ug/l #	23
93) 1,2,4-Trichlorobenzene	14.91	180	3398	3.25	ug/l	94
94) Hexachlorobutadiene	15.01	225	1642	0.49	ug/l	95
95) Naphthalene	15.14	128	8750	4.54	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	3552	2.59	ug/l	93

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QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

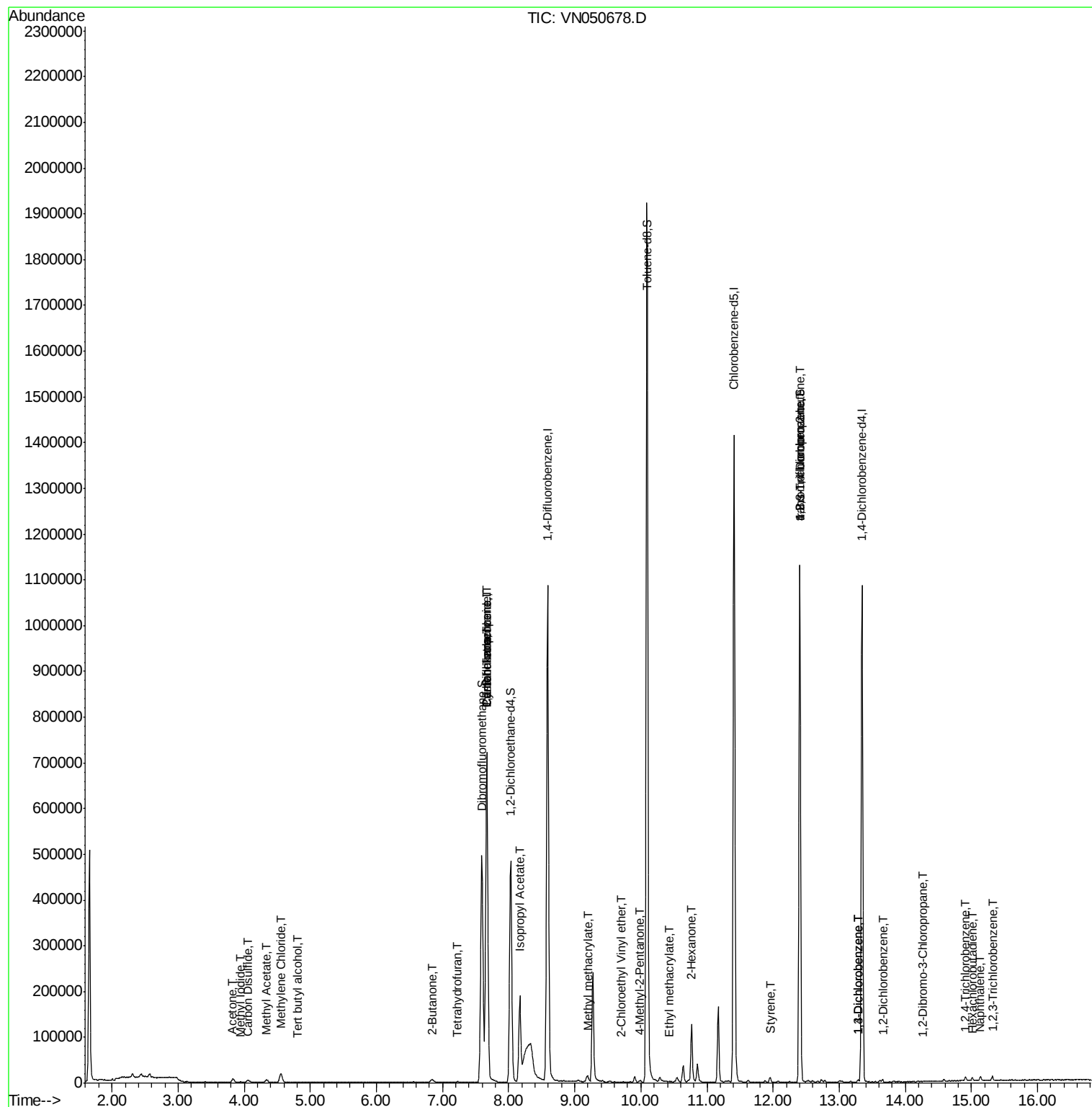
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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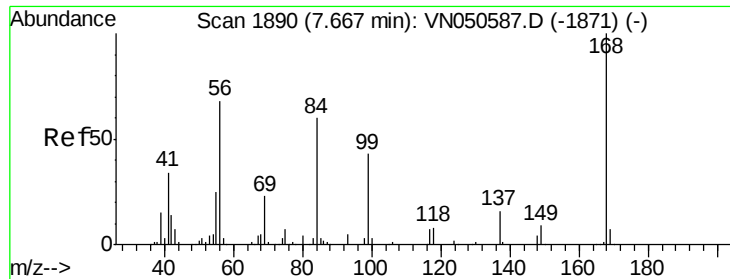
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

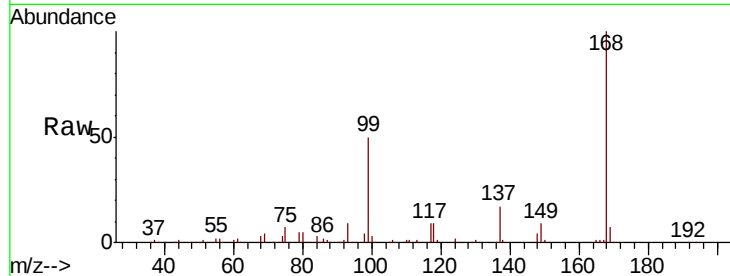
PB1112055ZHE#06

Tot Ion:168 Resp: 612891

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

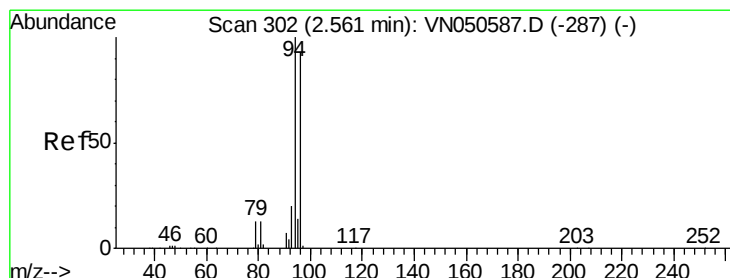
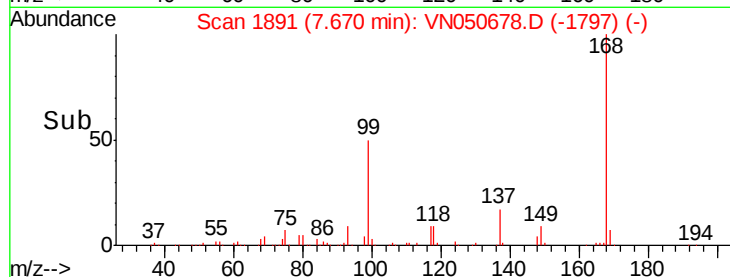
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050678.D

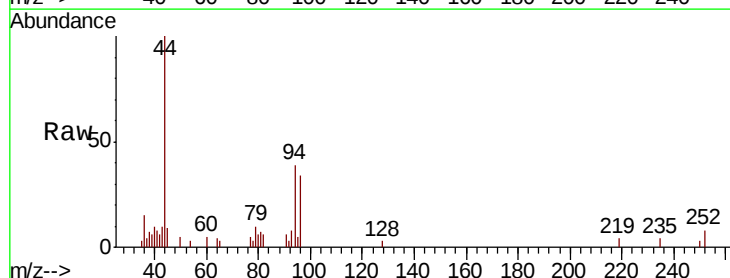
Acq: 16 Aug 2018 1:57

Tgt Ion: 94 Resp: 4676

Ion Ratio Lower Upper

94 100

96 86.5 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

2500

2000

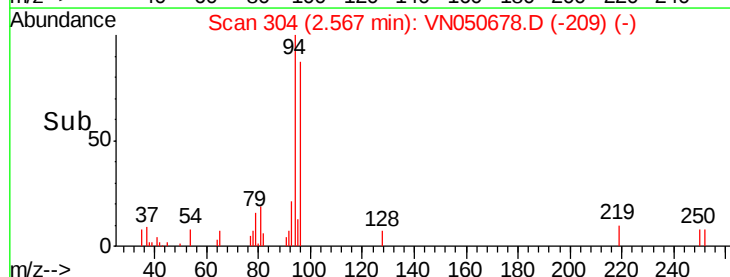
1500

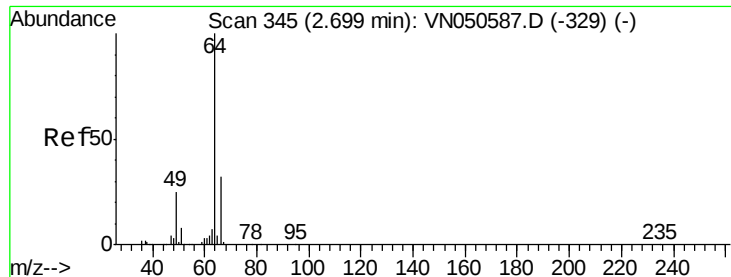
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

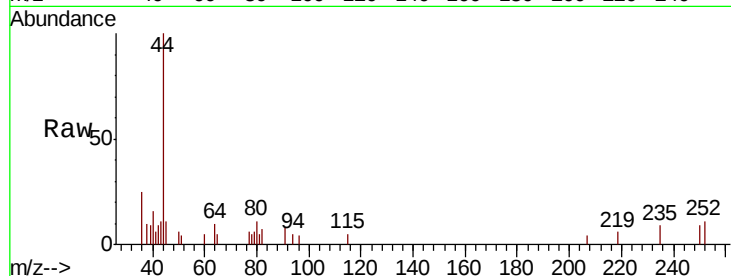
PB1112055ZHE#06

Tot Ion: 64 Resp: 643

Ion Ratio Lower Upper

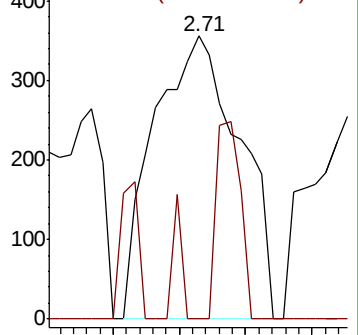
64 100

66 0.0 25.7 38.5#

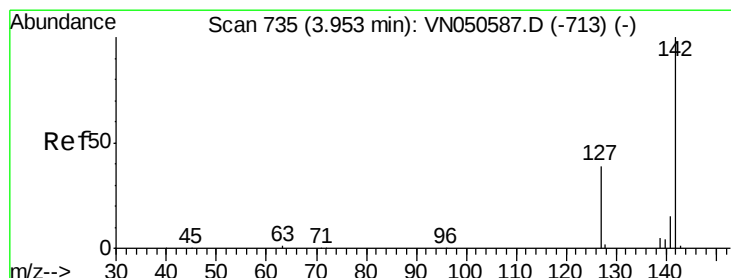
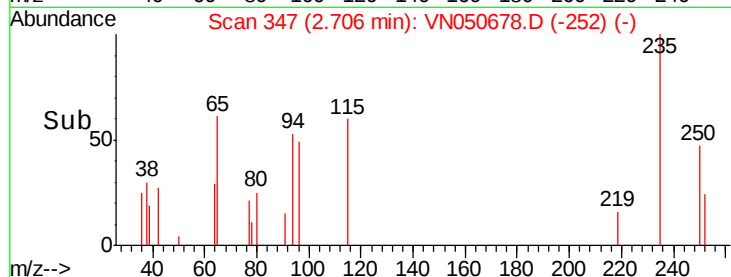


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



#10

Methyl Iodide

Concen: 7.28 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

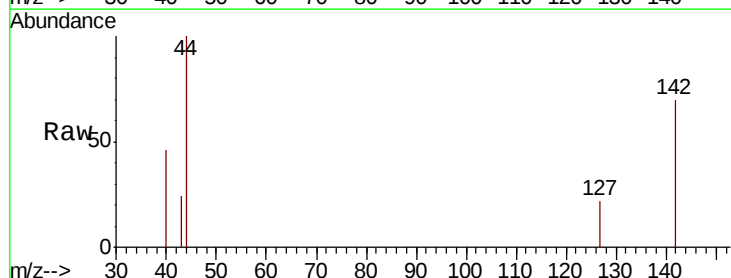
Tgt Ion: 142 Resp: 2018

Ion Ratio Lower Upper

142 100

127 16.0 32.6 49.0#

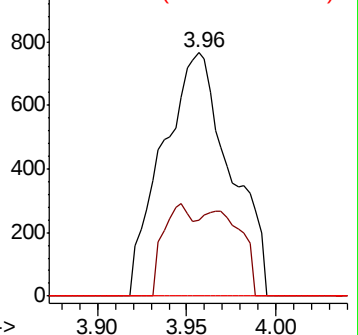
141 0.0 11.5 17.3#



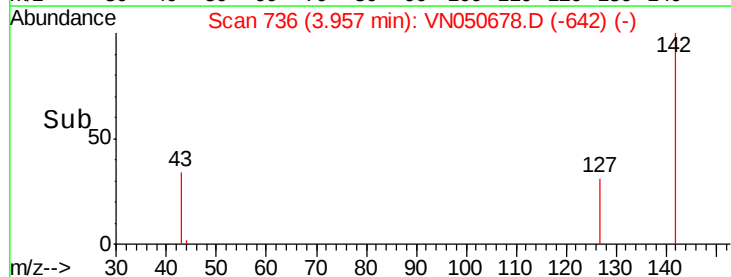
Abundance Ion 141.80 (141.50 to 142.50): V

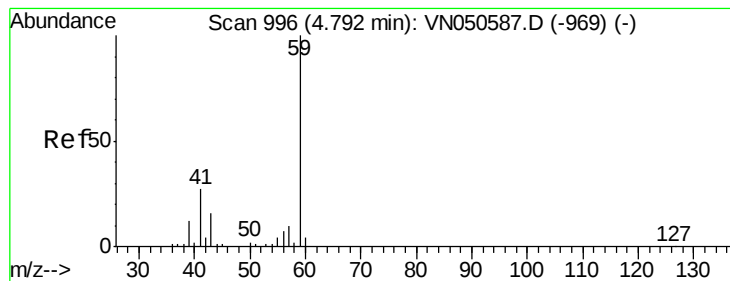
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



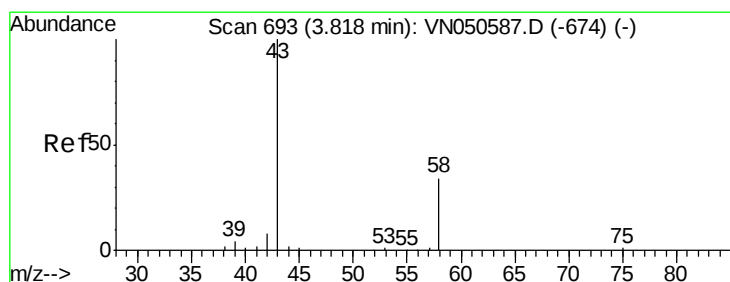
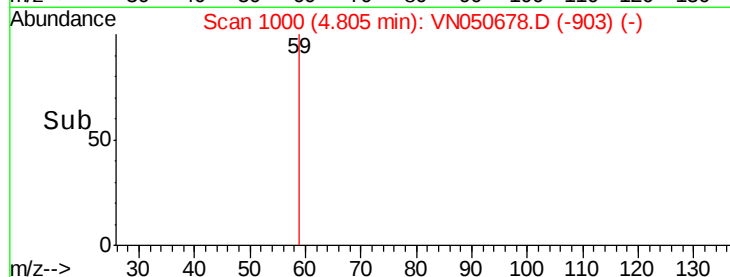
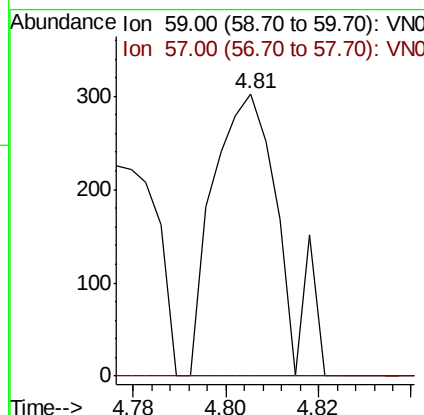
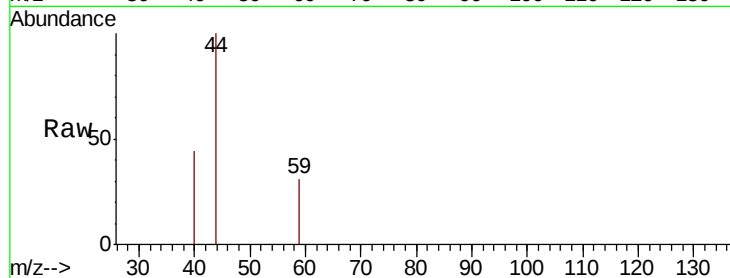


#11

Tert butyl alcohol
 Concen: 0.72 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VN050678.D
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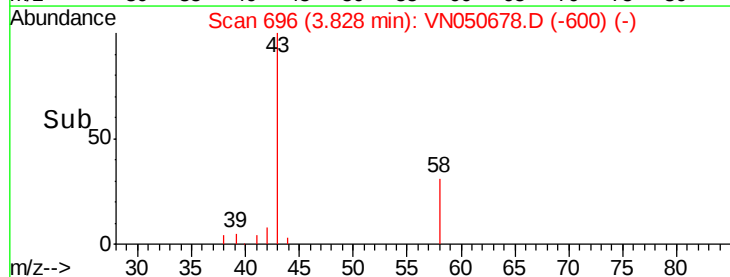
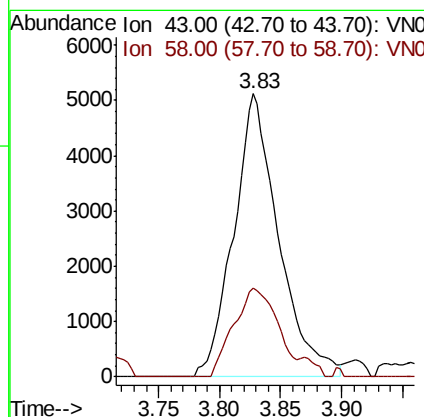
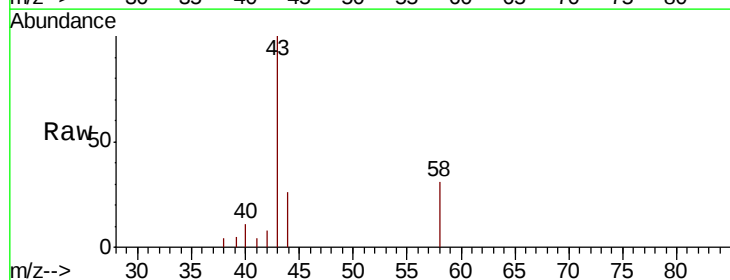
Tot Ion: 59 Resp: 304
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

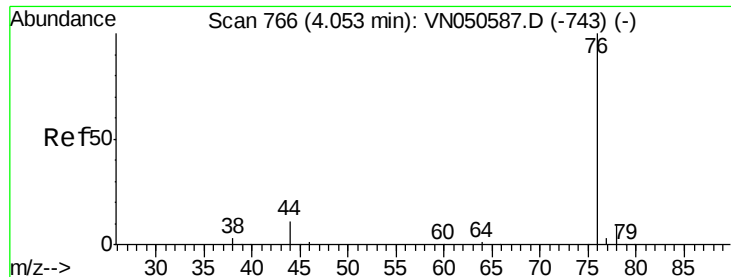


#16

Acetone
 Concen: 5.35 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Tgt Ion: 43 Resp: 13066
 Ion Ratio Lower Upper
 43 100
 58 31.4 27.1 40.7

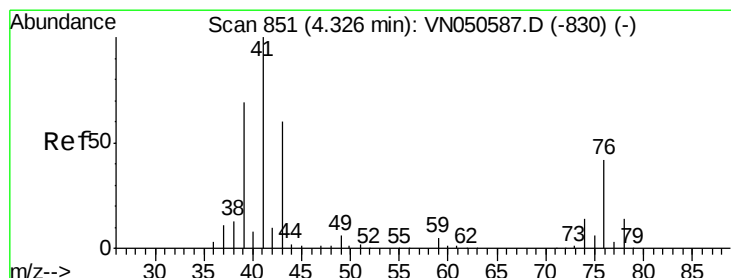
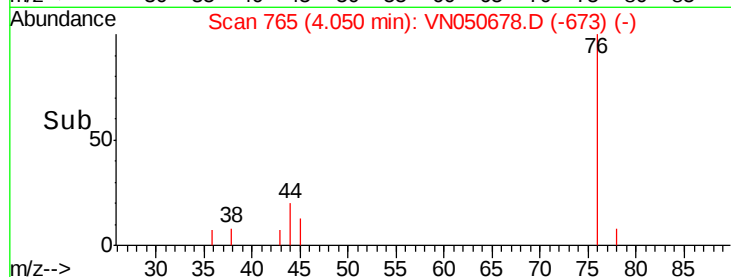
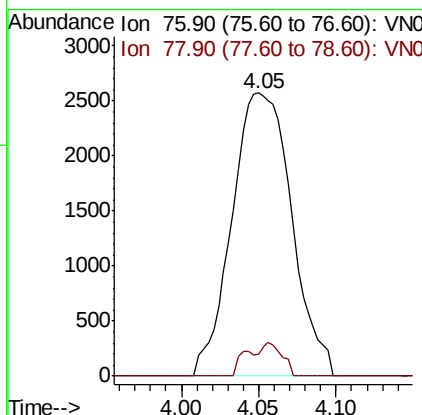
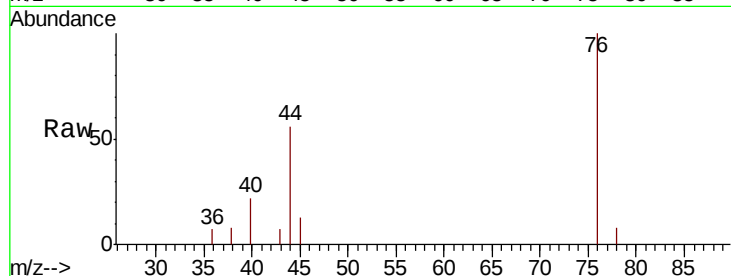




#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

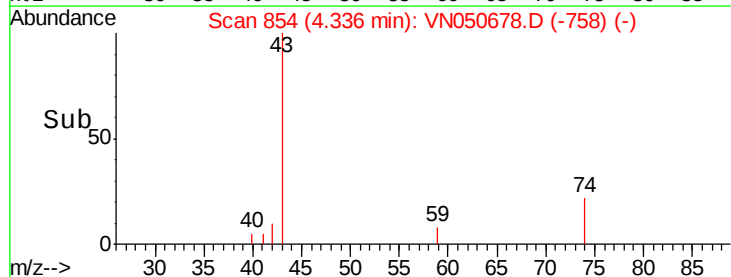
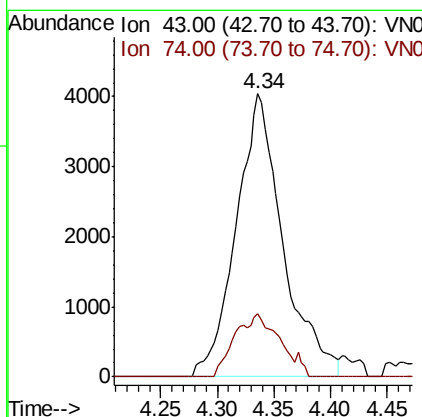
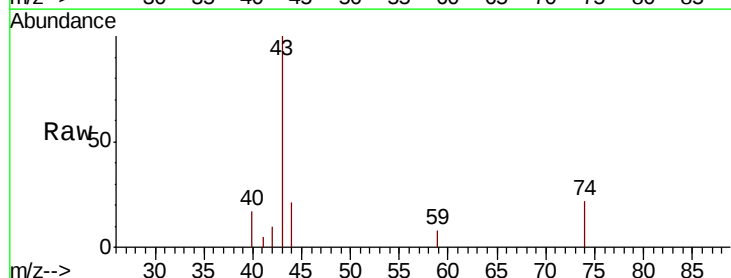
Instrument :
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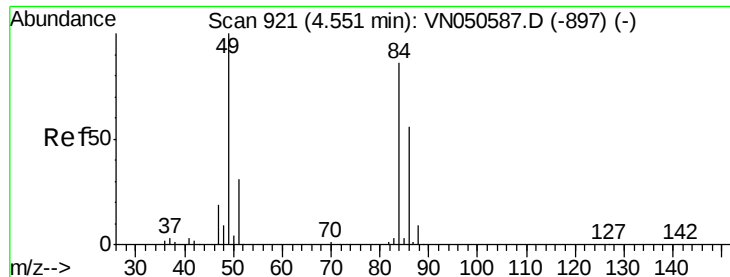
Tot Ion: 76 Resp: 6902
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#18
Methyl Acetate
Concen: 1.17 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Tgt Ion: 43 Resp: 11612
Ion Ratio Lower Upper
43 100
74 20.5 19.7 29.5

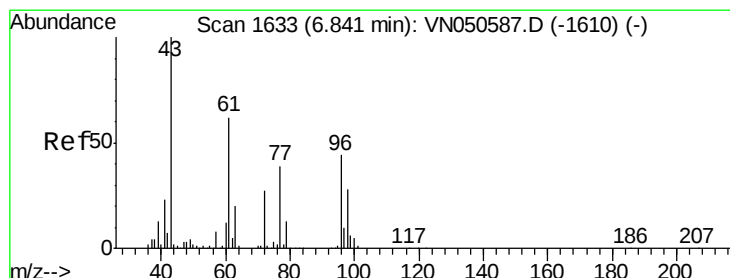
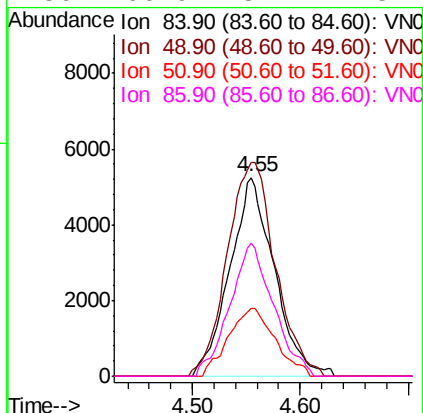
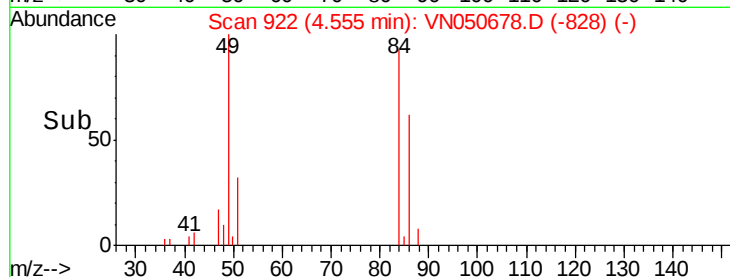
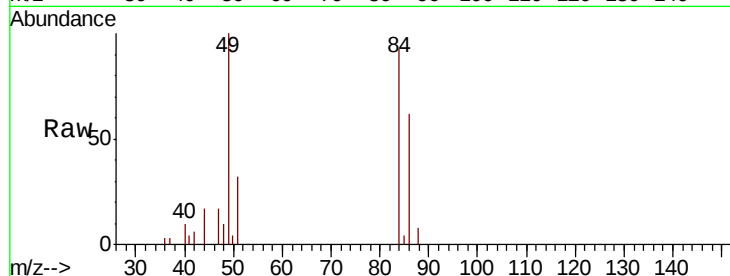




#20
Methvlene Chloride
Concen: 0.80 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

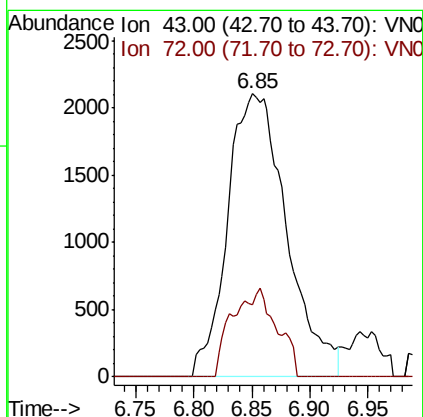
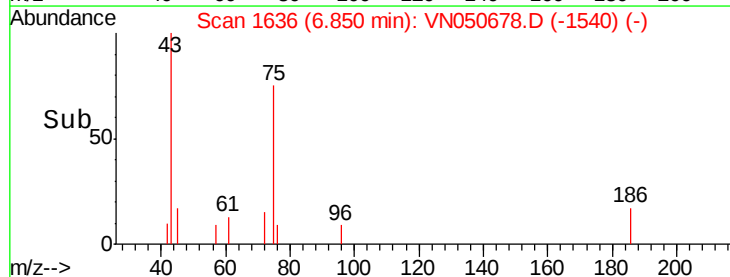
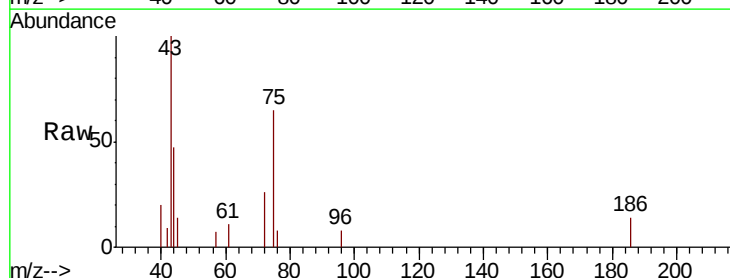
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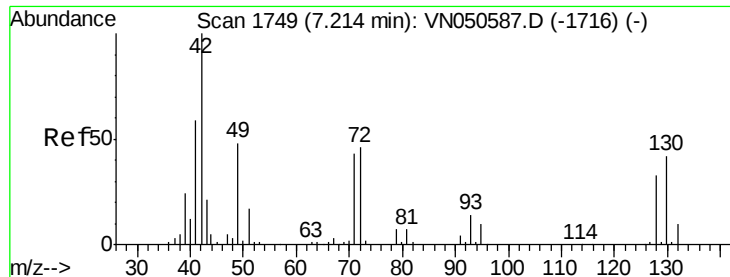
Tot Ion: 84 Resp: 15084
Ion Ratio Lower Upper
84 100
49 107.2 92.6 138.8
51 34.4 28.6 43.0
86 66.9 52.2 78.2



#25
2-Butanone
Concen: 2.36 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Tgt Ion: 43 Resp: 7467
Ion Ratio Lower Upper
43 100
72 25.7 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

PB1112055ZHE#06

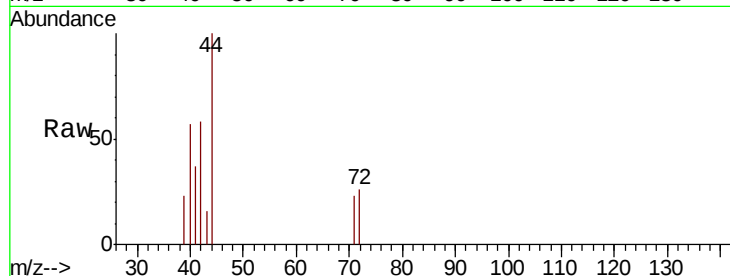
Tot Ion: 42 Resp: 1178

Ion Ratio Lower Upper

42 100

72 14.9 35.8 53.6#

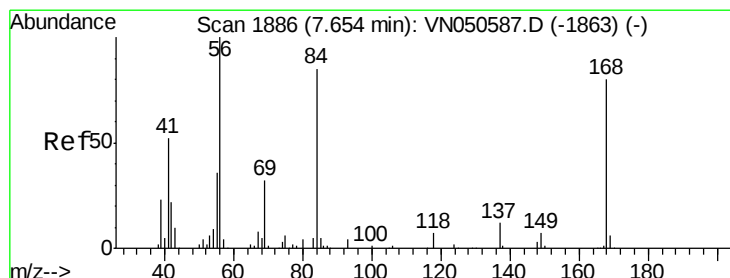
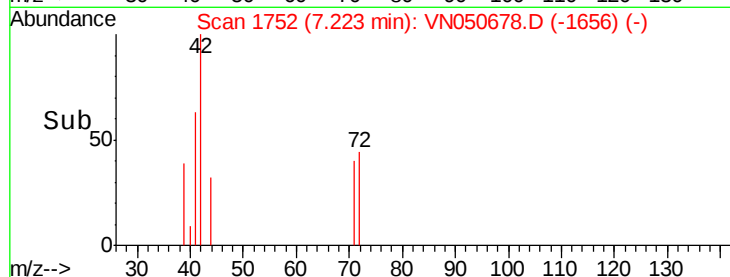
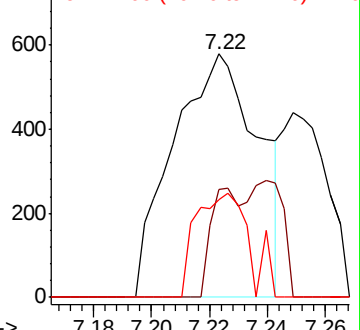
71 26.7 33.4 50.0#



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



#31

Cyclohexane

Concen: 0.64 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

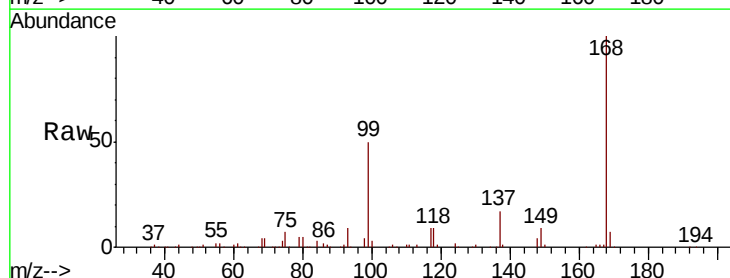
Tgt Ion: 56 Resp: 11532

Ion Ratio Lower Upper

56 100

69 190.7 25.8 38.6#

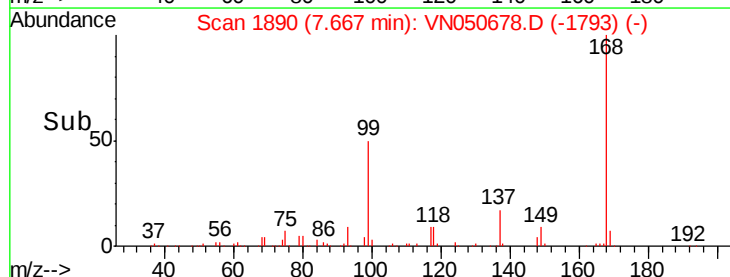
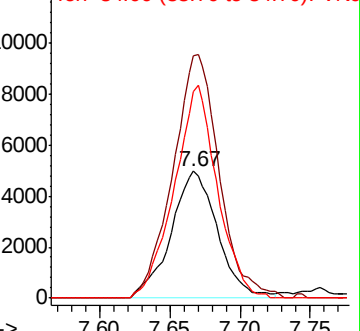
84 162.3 67.8 101.6#

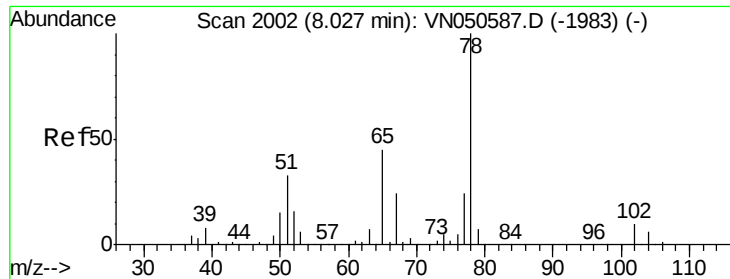


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.45 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

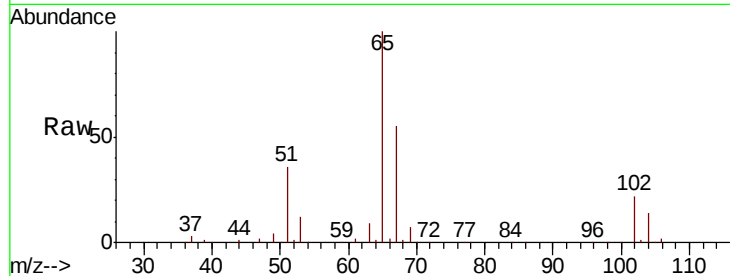
PB1112055ZHE#06

Tot Ion: 65 Resp: 420679

Ion Ratio Lower Upper

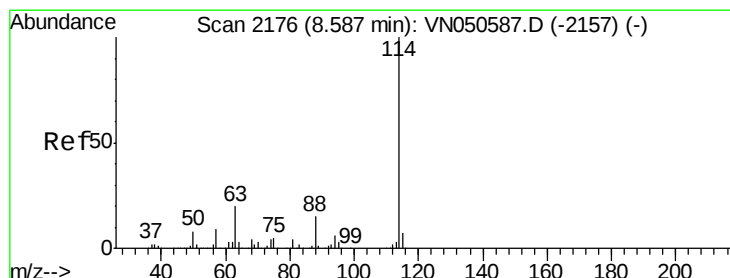
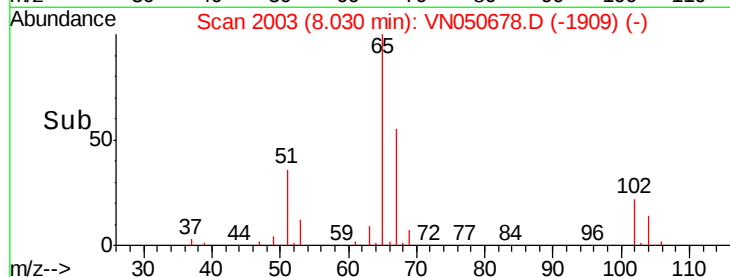
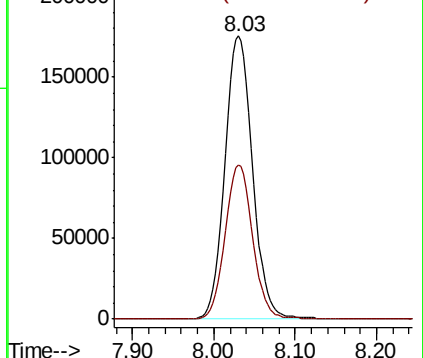
65 100

67 54.1 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

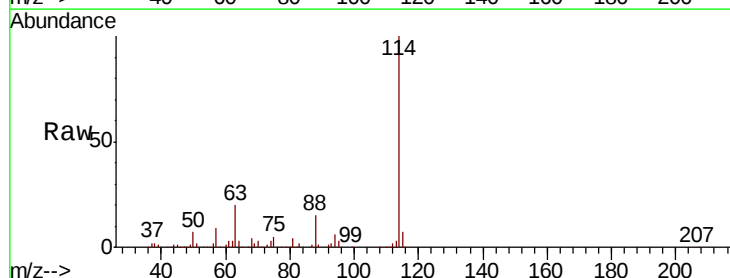
Tgt Ion: 114 Resp: 1009141

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

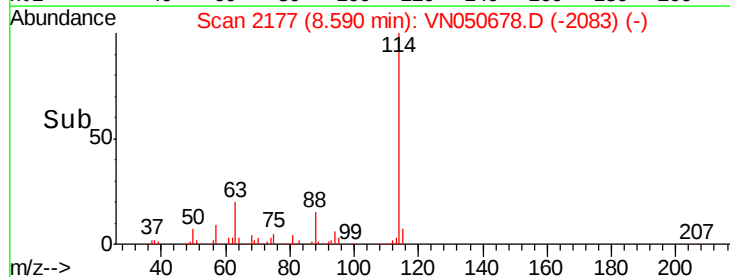
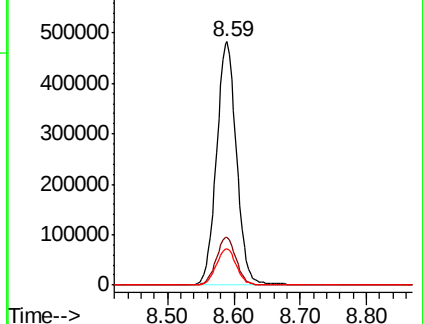
88 15.1 0.0 30.8

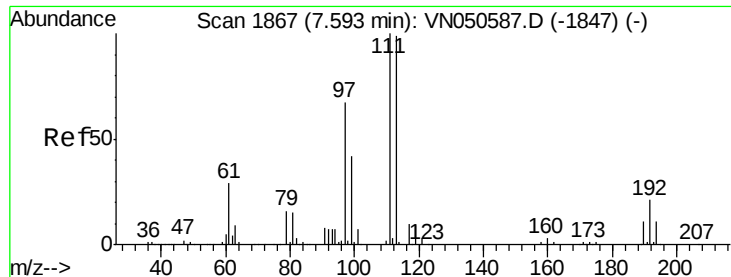


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

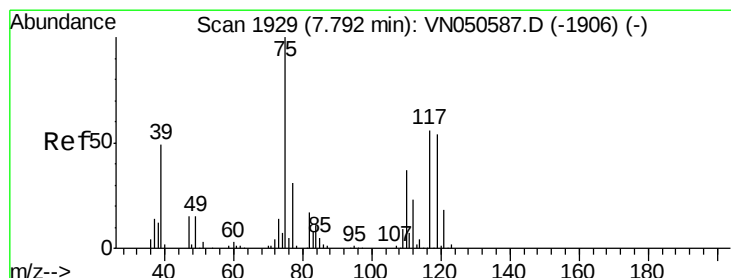
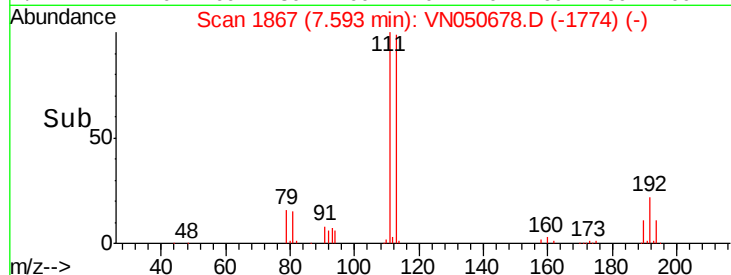
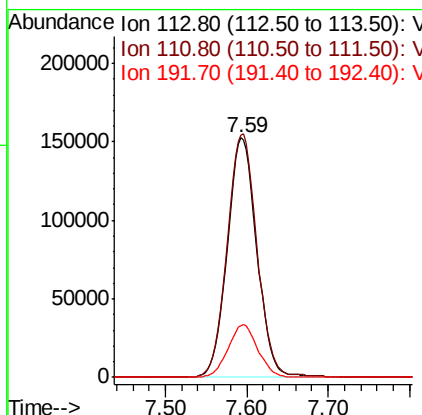
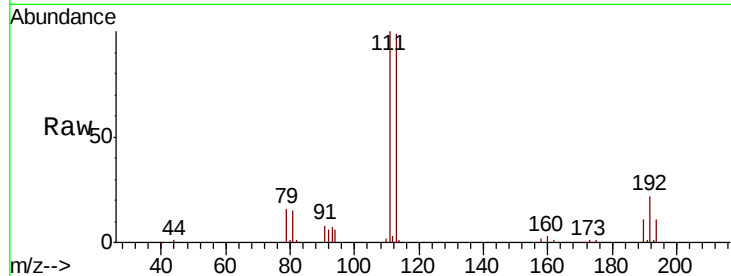




#35
 Dibromofluoromethane
 Concen: 48.01 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

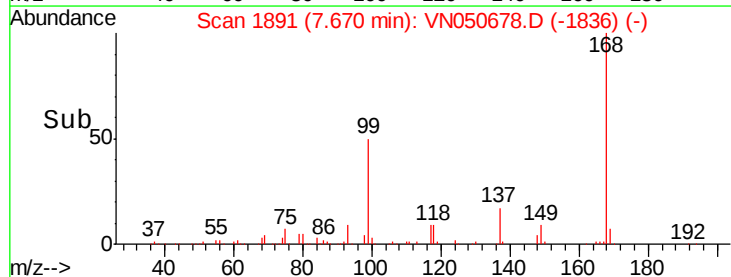
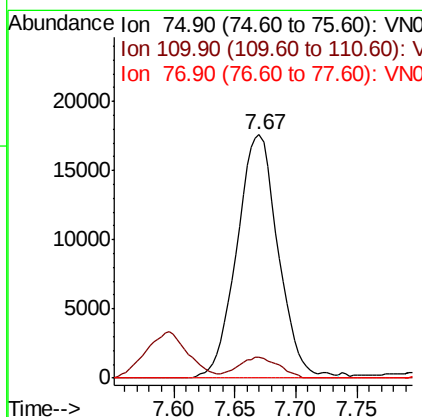
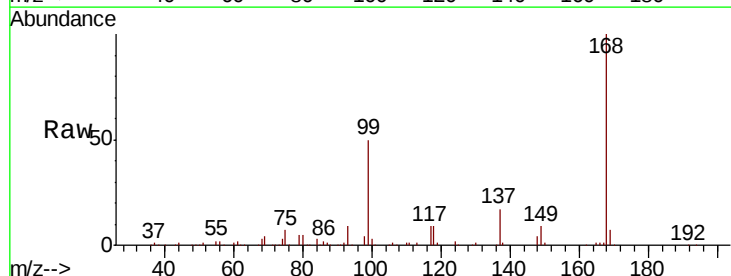
Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

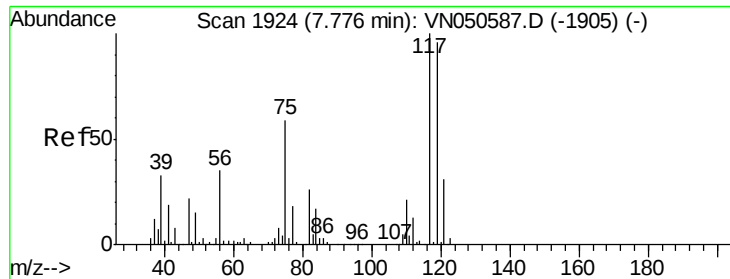
Tot Ion:113 Resp: 386774
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.6
 192 22.2 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Tgt Ion: 75 Resp: 41230
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.3 54.9#
 77 0.0 25.0 37.4#

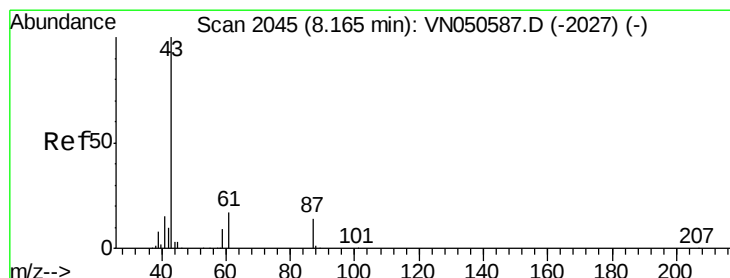
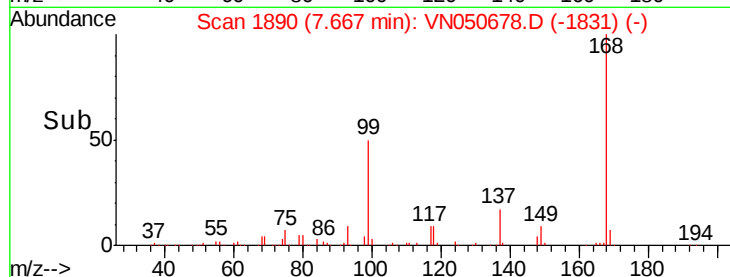
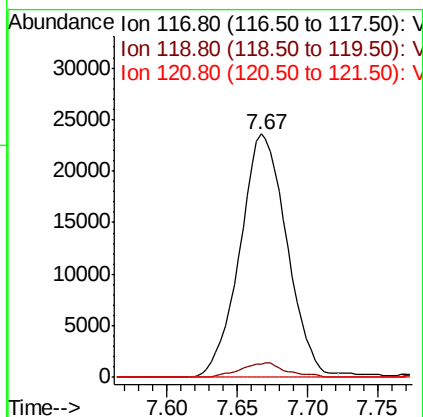
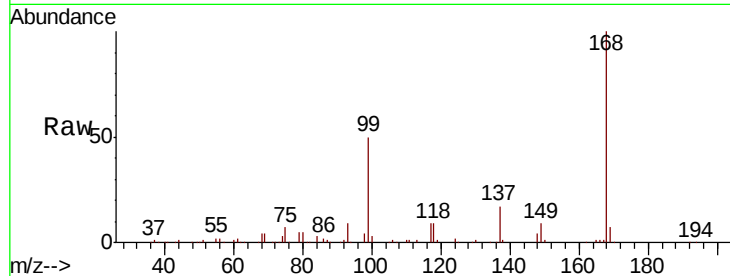




#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

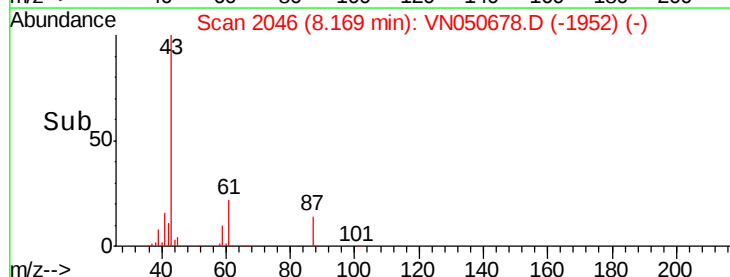
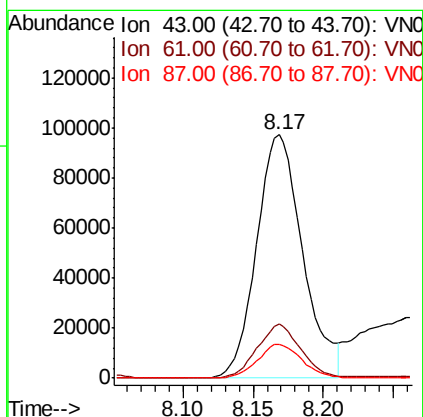
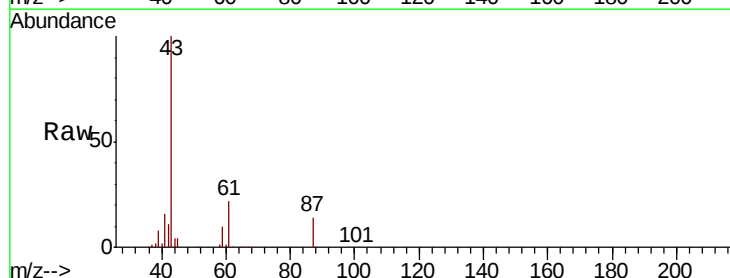
Instrument :
MSVOA_N
ClientSampleId :
PB1112055ZHE#06

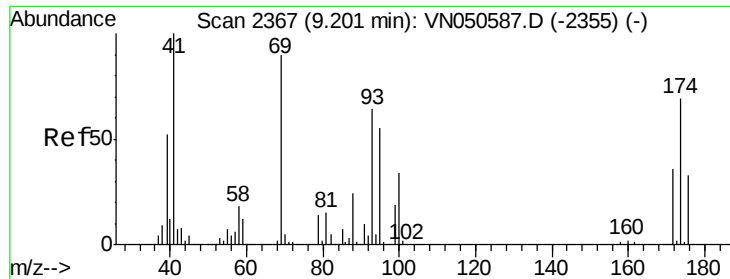
Tot Ion:117 Resp: 54968
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 19.18 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Tgt Ion: 43 Resp: 221965
Ion Ratio Lower Upper
43 100
61 20.9 16.2 24.2
87 13.3 10.9 16.3

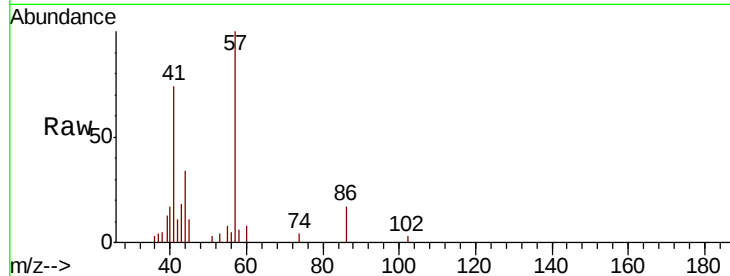




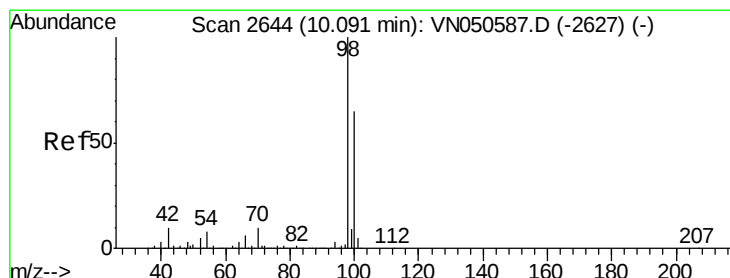
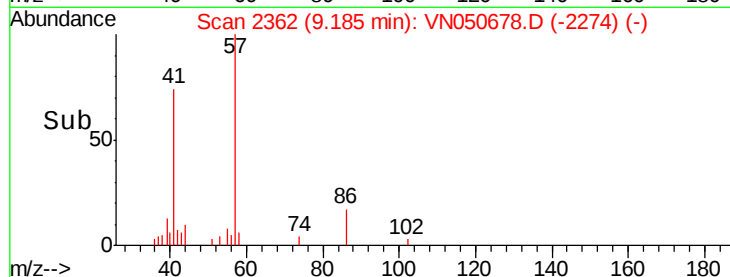
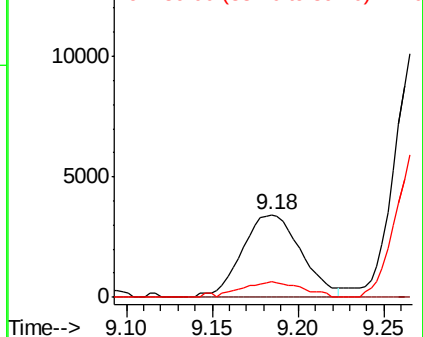
#48
Methyl methacrylate
Concen: 1.40 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Instrument :
MSVOA_N
ClientSampleId :
PB1112055ZHE#06

Tot Ion: 41 Resp: 8175
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 18.7 43.0 64.6#

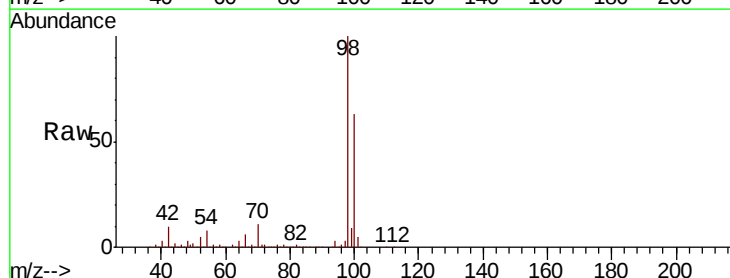


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

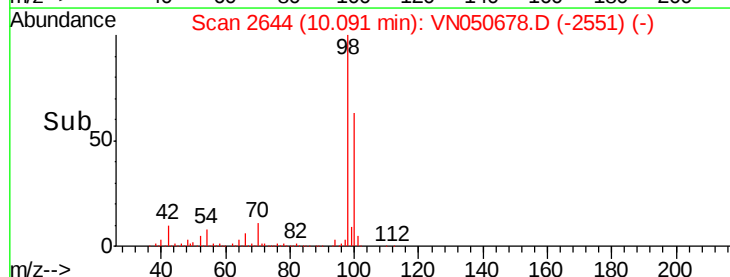
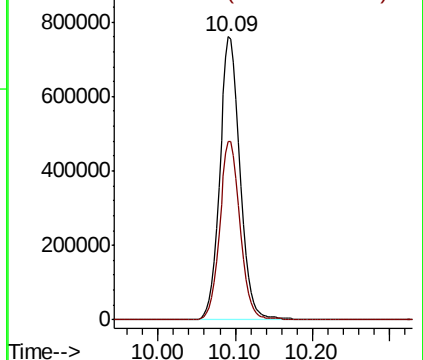


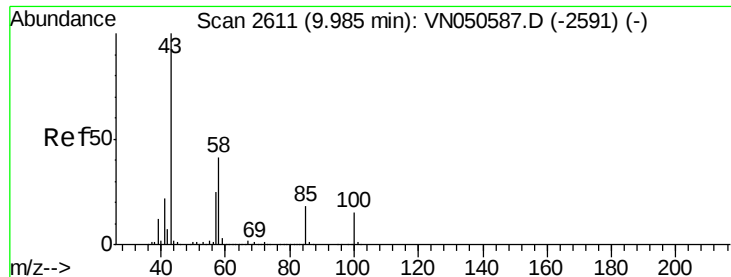
#50
Toluene-d8
Concen: 45.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Tgt Ion: 98 Resp: 1393634
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.8



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

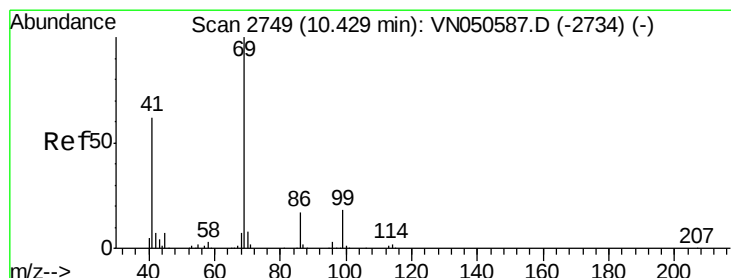
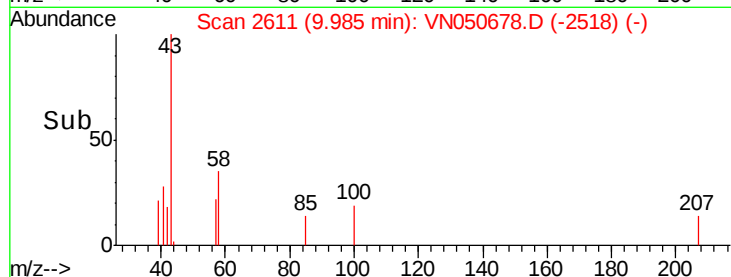
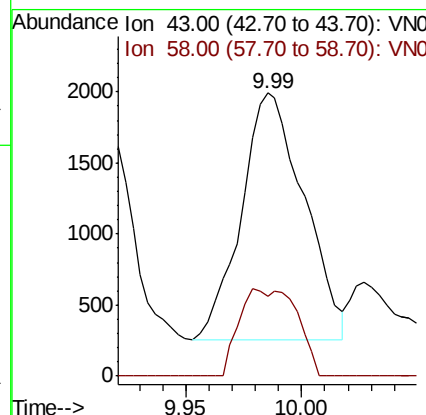
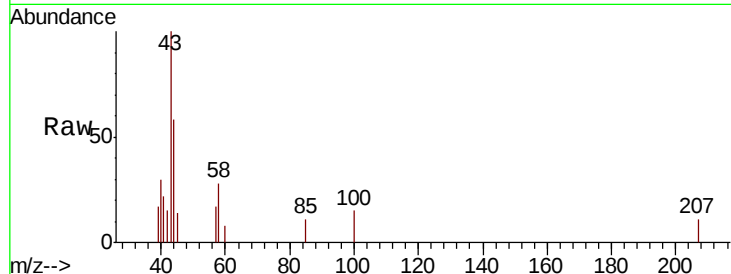




#51
 4-Methyl-2-Pentanone
 Concen: 0.42 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

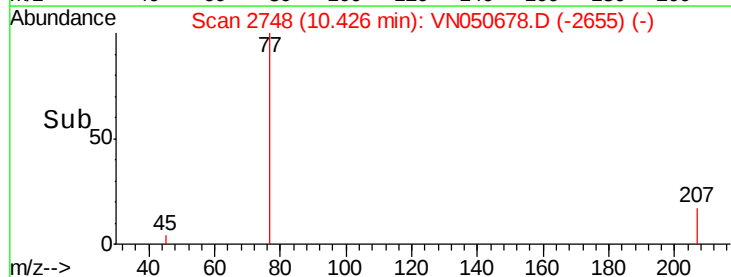
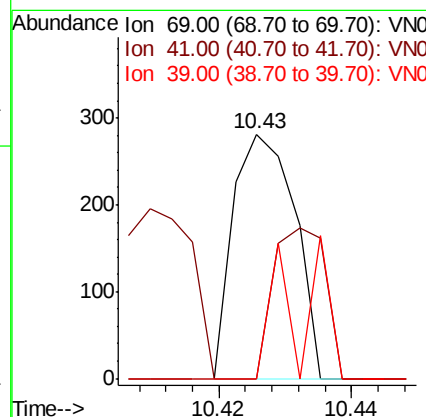
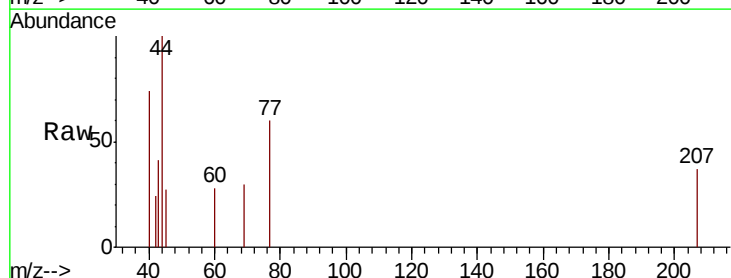
Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

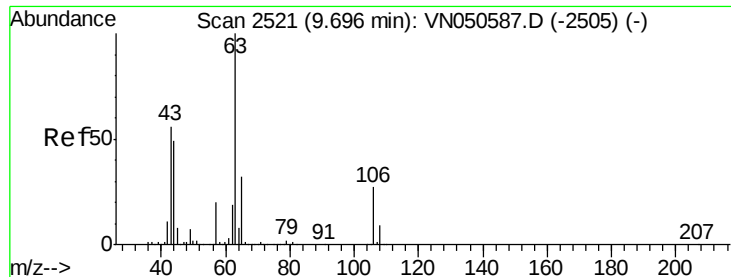
Tot Ion: 43 Resp: 3259
 Ion Ratio Lower Upper
 43 100
 58 16.9 32.5 48.7#



#56
 Ethyl methacrylate
 Concen: 1.92 ug/l
 RT: 10.43 min Scan# 2748
 Delta R.T. -0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Tgt Ion: 69 Resp: 181
 Ion Ratio Lower Upper
 69 100
 41 74.6 49.7 74.5#
 39 0.0 24.2 36.2#

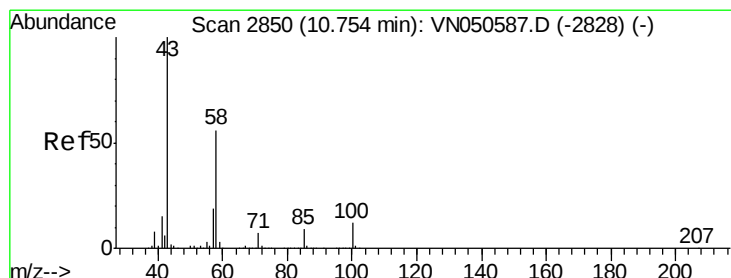
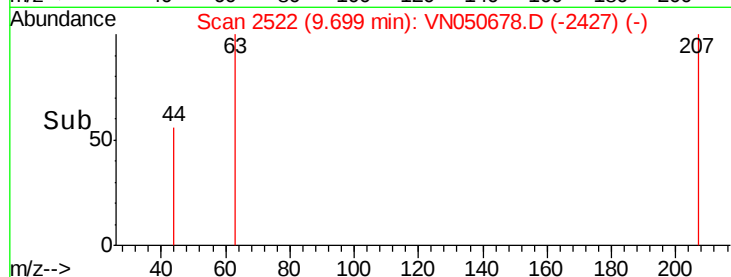
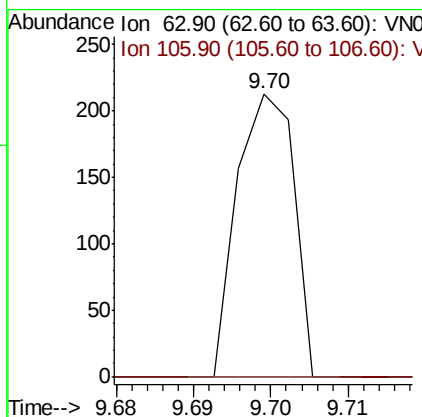
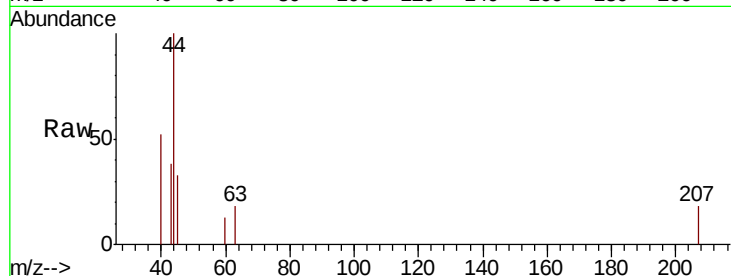




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.44 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

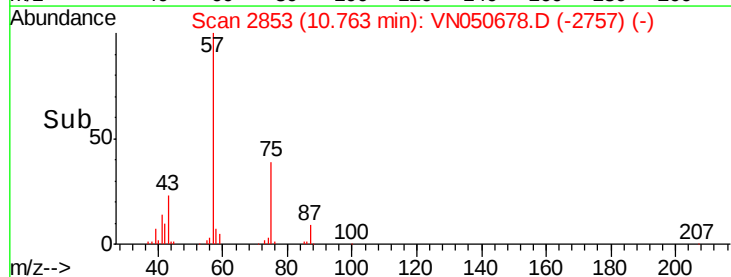
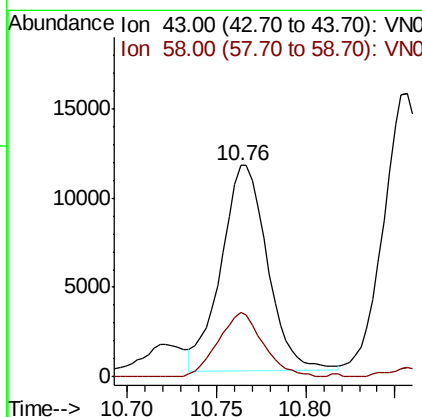
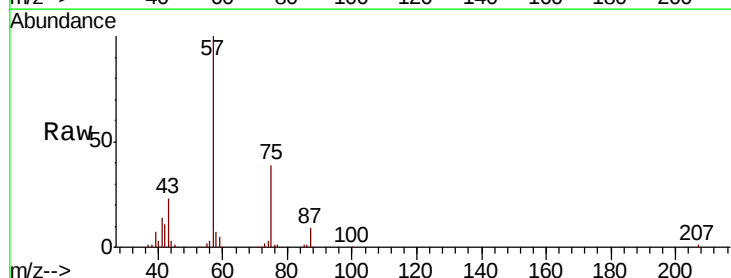
Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

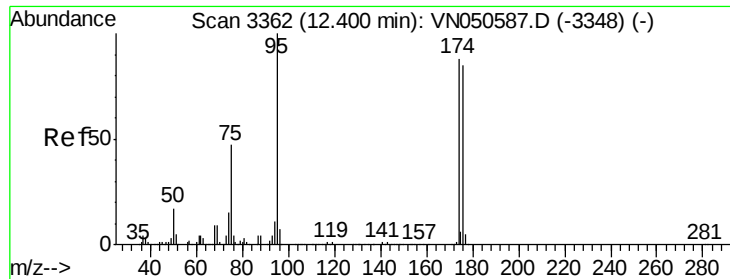
Tot Ion: 63 Resp: 109
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 4.09 ug/l
 RT: 10.76 min Scan# 2853
 Delta R.T. 0.01 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Tgt Ion: 43 Resp: 20661
 Ion Ratio Lower Upper
 43 100
 58 30.7 28.0 84.0





#62

4-Bromofluorobenzene

Concen: 38.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

PB1112055ZHE#06

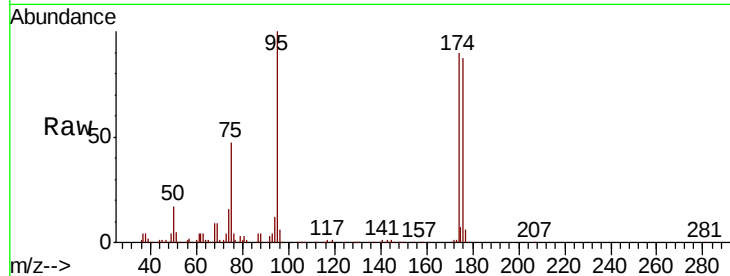
Tot Ion: 95 Resp: 387169

Ion Ratio Lower Upper

95 100

174 90.9 0.0 177.8

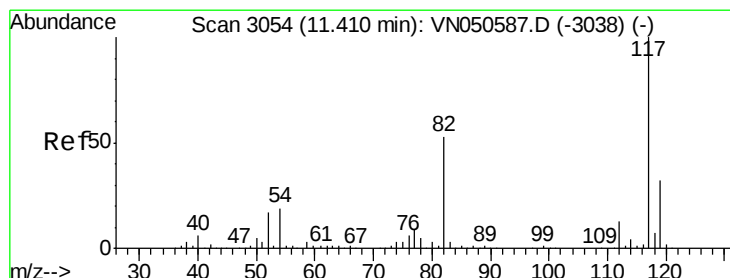
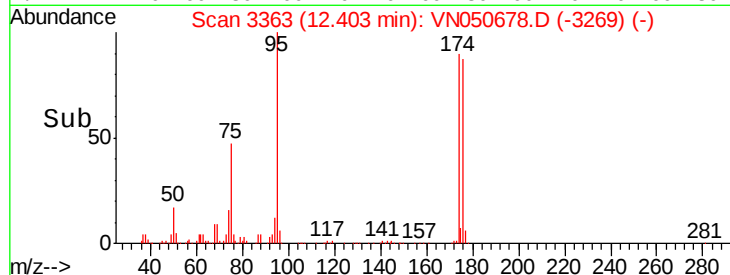
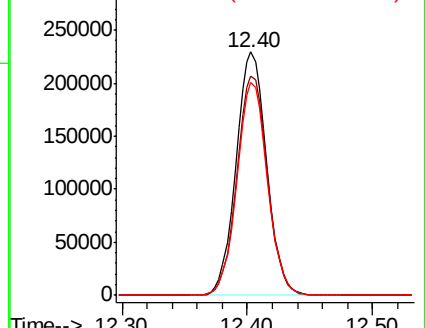
176 87.1 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

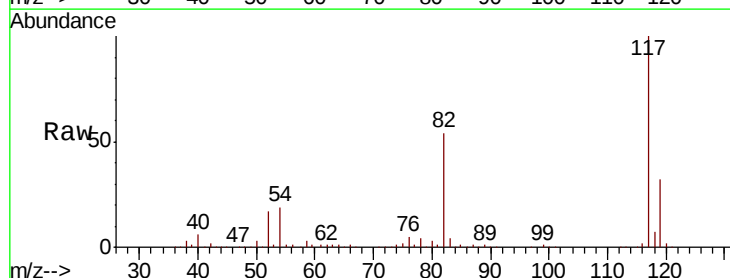
Tgt Ion: 117 Resp: 873453

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

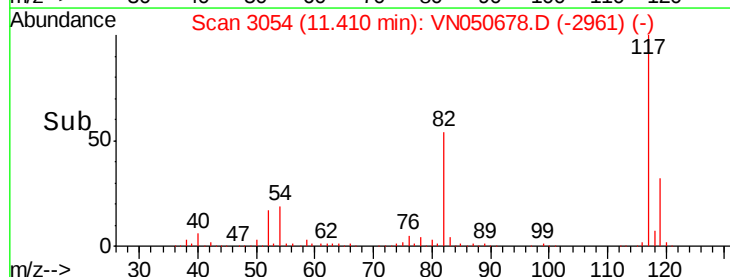
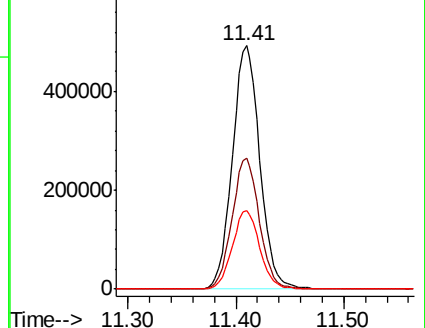
119 32.4 25.8 38.8

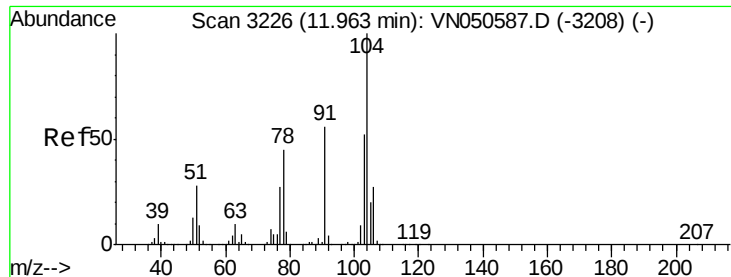


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)





#70

Stvrene

Concen: 1.01 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

PB1112055ZHE#06

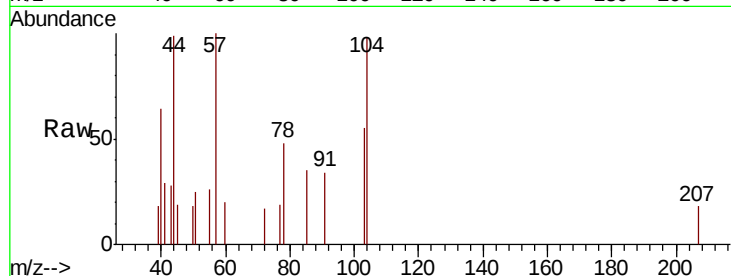
Tot Ion:104 Resp: 1576

Ion Ratio Lower Upper

104 100

78 33.6 39.1 58.7#

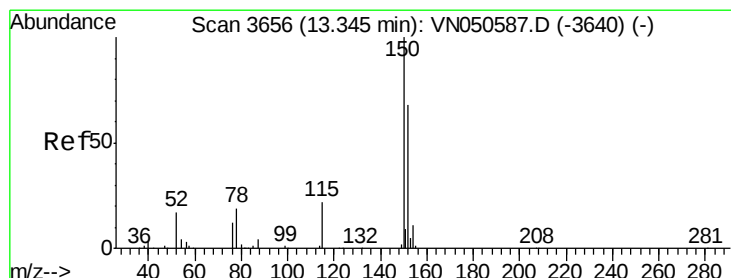
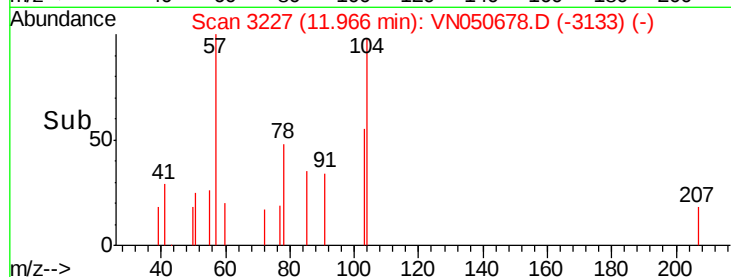
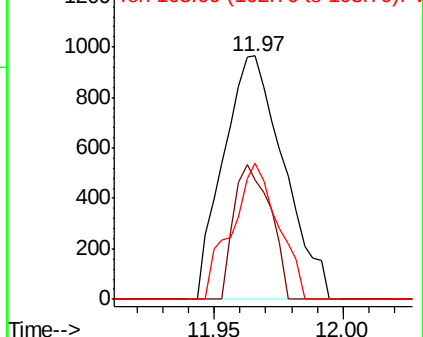
103 42.9 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

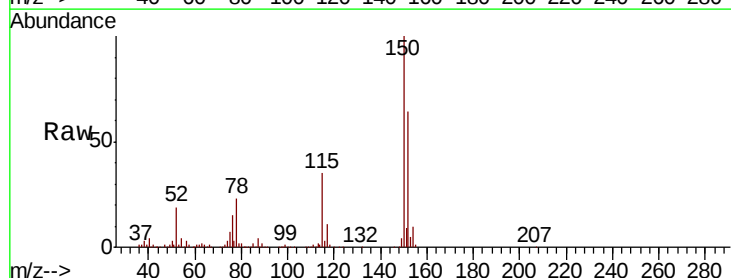
Tgt Ion:152 Resp: 311373

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

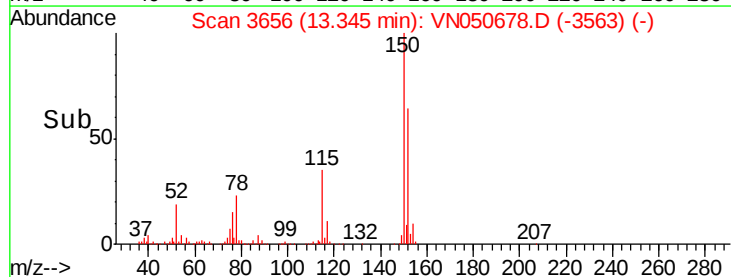
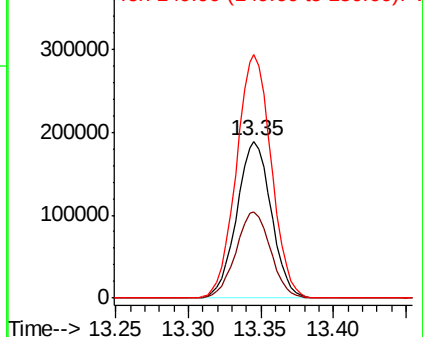
150 157.0 0.0 347.8

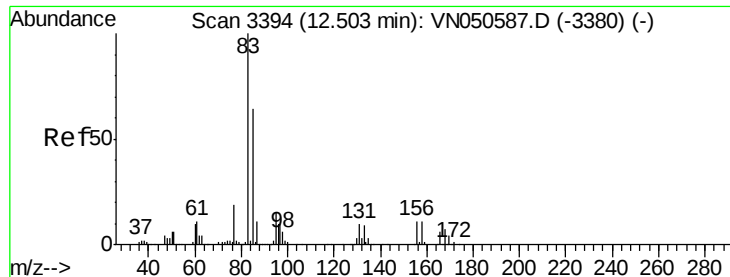


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

PB1112055ZHE#06

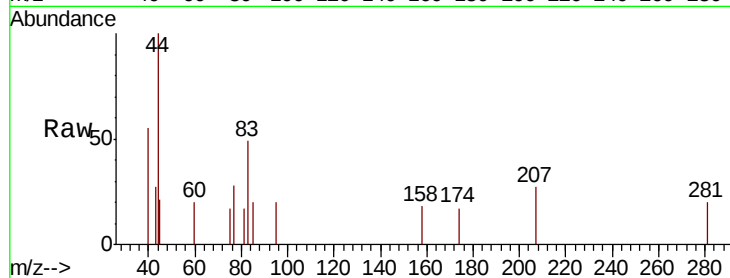
Tot Ion: 83 Resp: 546

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

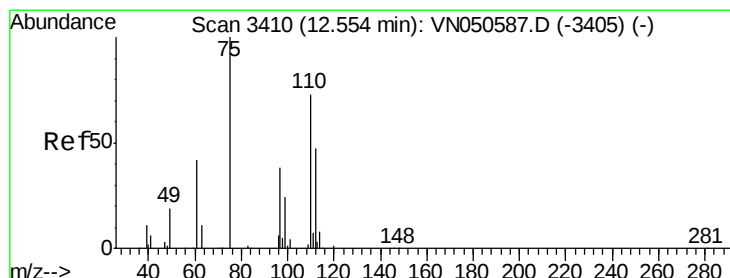
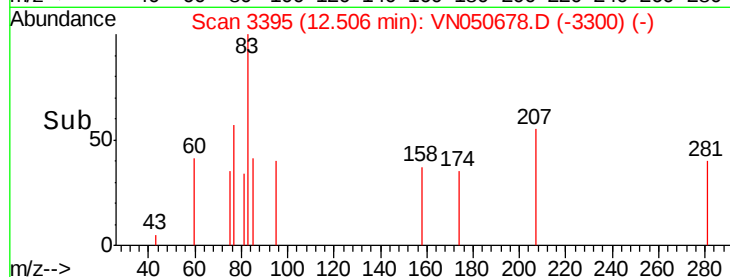
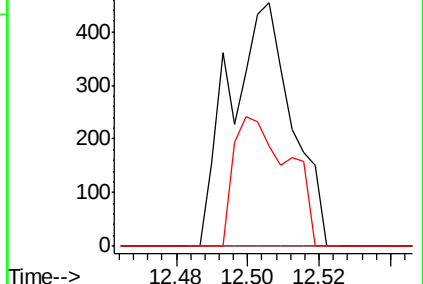
85 46.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050678.D

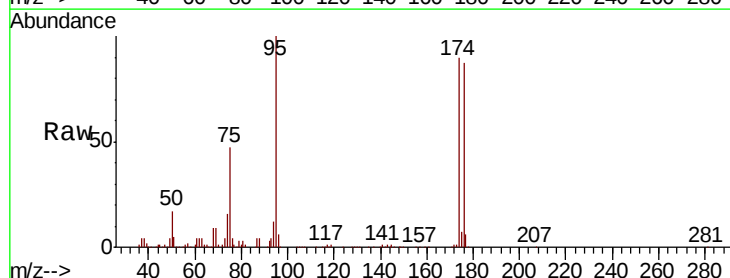
Acq: 16 Aug 2018 1:57

Tgt Ion: 75 Resp: 181697

Ion Ratio Lower Upper

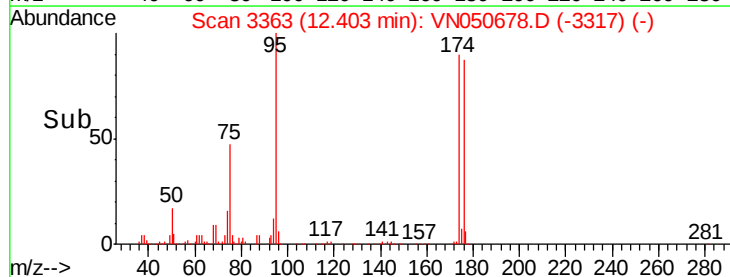
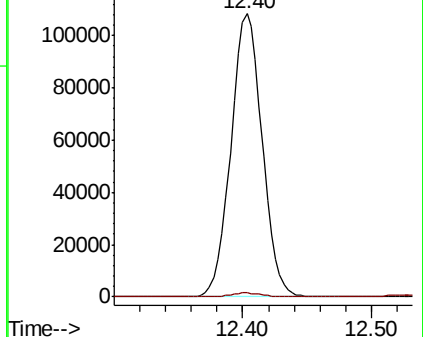
75 100

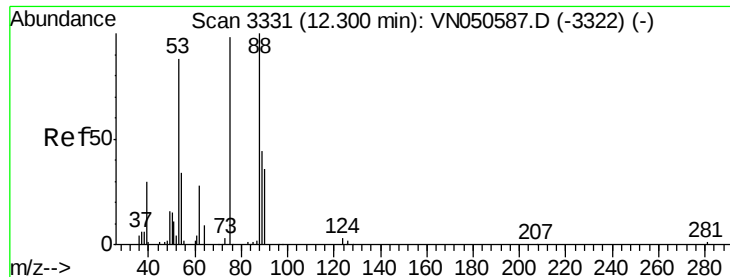
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

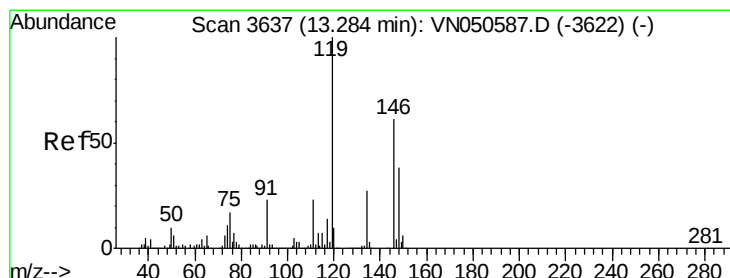
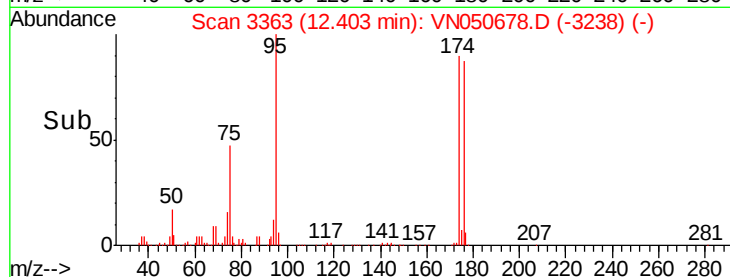
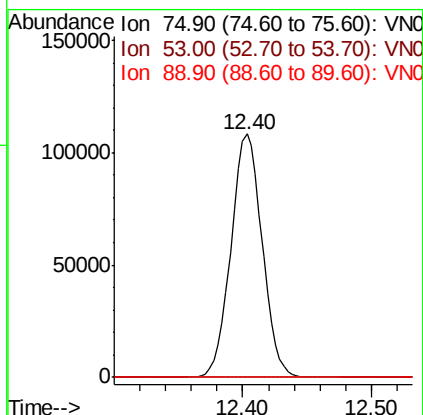
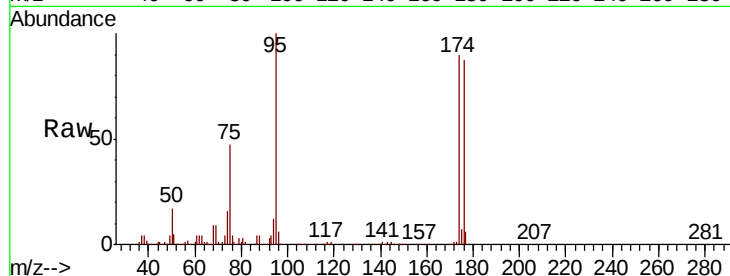




#81
trans-1,4-Dichloro-2-butene
Concen: 129.73 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

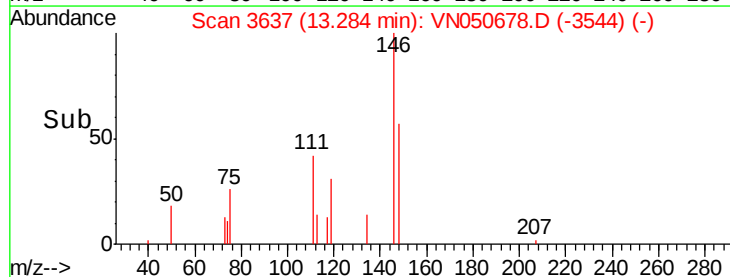
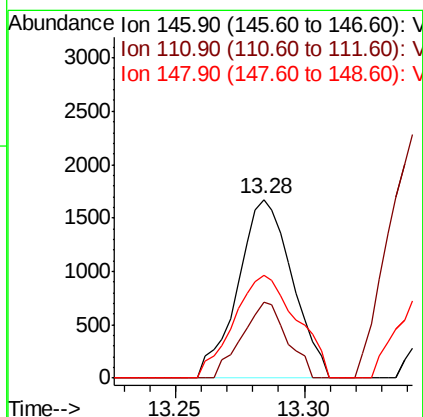
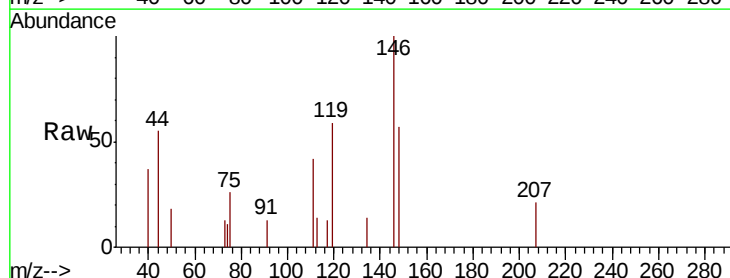
Instrument :
MSVOA_N
ClientSampleId :
PB1112055ZHE#06

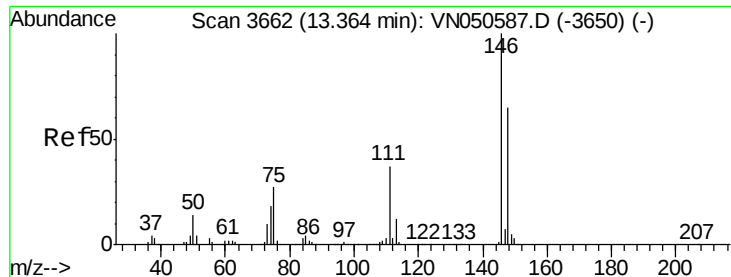
Tot Ion: 75 Resp: 181697
Ion Ratio Lower Upper
75 100
53 0.1 72.2 108.2#
89 0.0 36.3 54.5#



#87
1,3-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN050678.D
Acq: 16 Aug 2018 1:57

Tgt Ion: 146 Resp: 2448
Ion Ratio Lower Upper
146 100
111 35.0 19.2 57.6
148 66.8 31.9 95.7

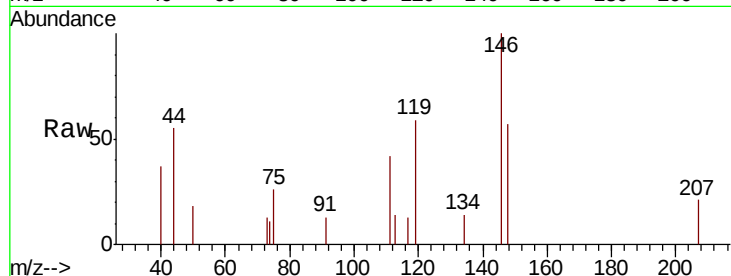




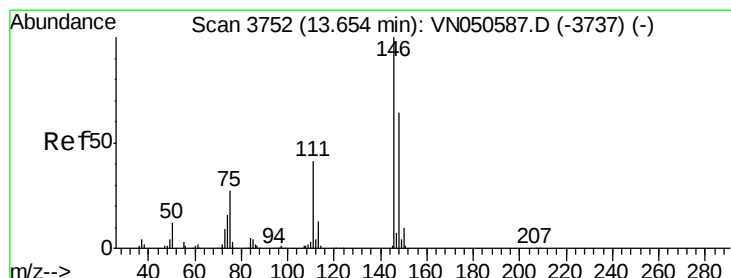
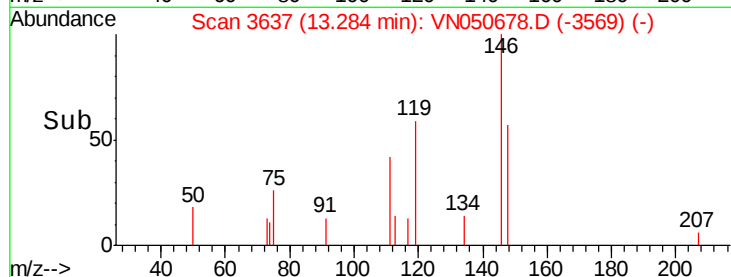
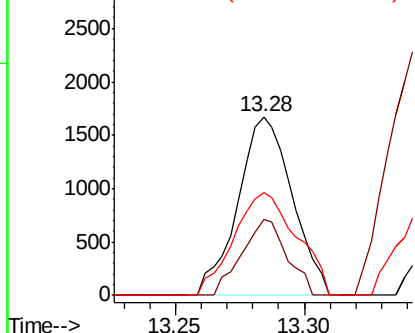
#88
 1,4-Dichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

Tot Ion:146 Resp: 2448
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.8 56.4
 148 66.8 32.3 96.8

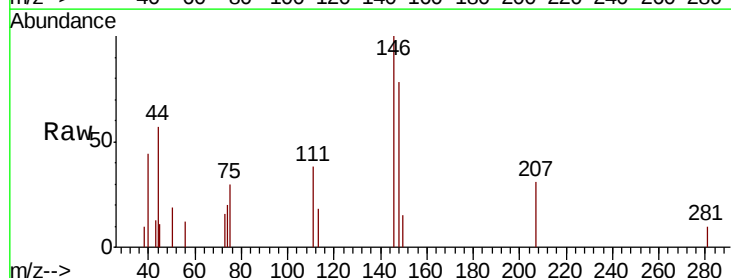


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

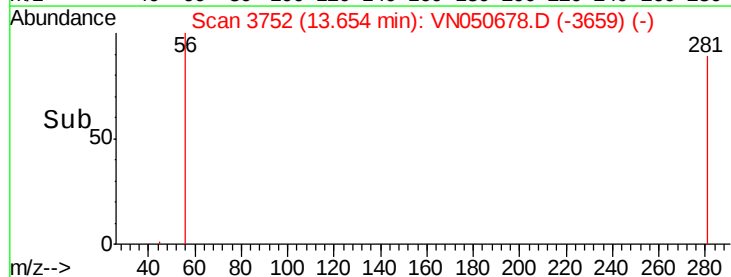
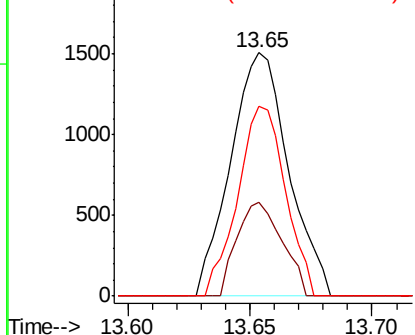


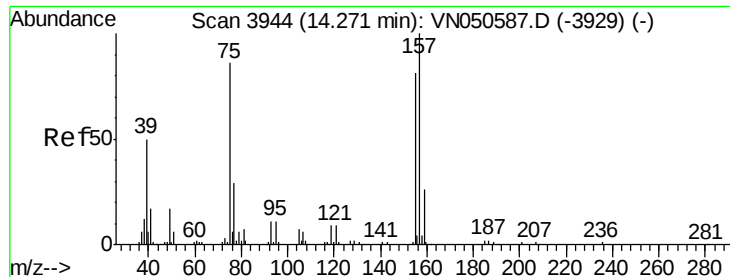
#91
 1,2-Dichlorobenzene
 Concen: 0.23 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Tgt Ion:146 Resp: 2478
 Ion Ratio Lower Upper
 146 100
 111 30.0 19.8 59.4
 148 64.3 32.3 96.8



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.44 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

MSVOA_N

ClientSampleId :

PB1112055ZHE#06

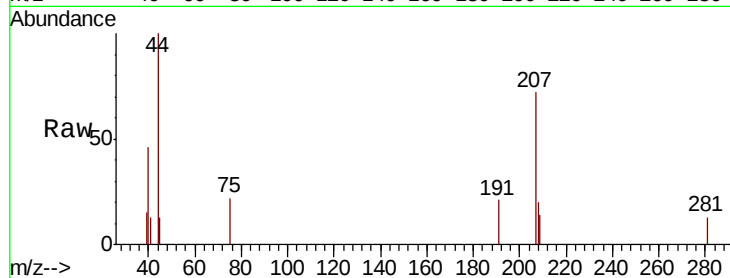
Tot Ion: 75 Resp: 379

Ion Ratio Lower Upper

75 100

155 7.9 46.6 139.8#

157 41.7 58.1 174.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.26

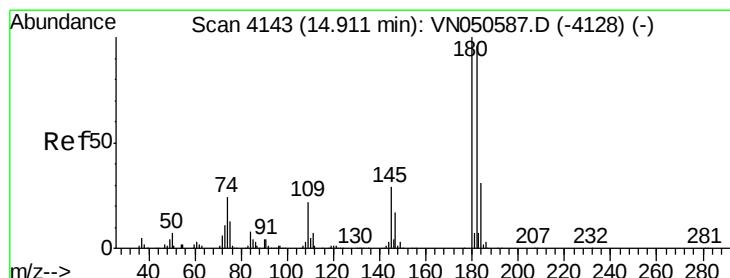
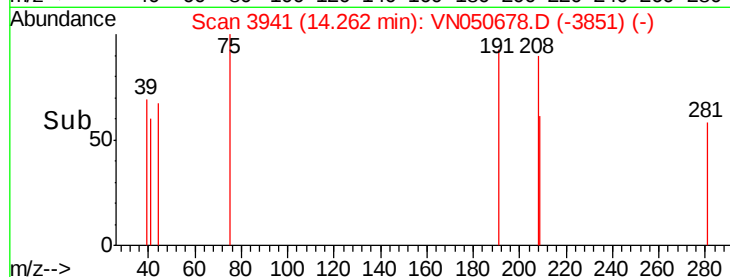
200

100

0

14.24 14.26 14.28

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.25 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

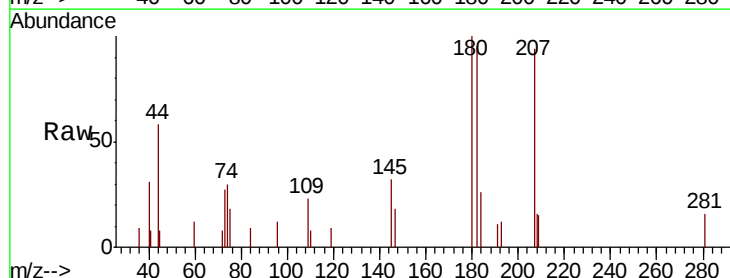
Tgt Ion: 180 Resp: 3398

Ion Ratio Lower Upper

180 100

182 88.1 47.9 143.7

145 29.0 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

2000

1500

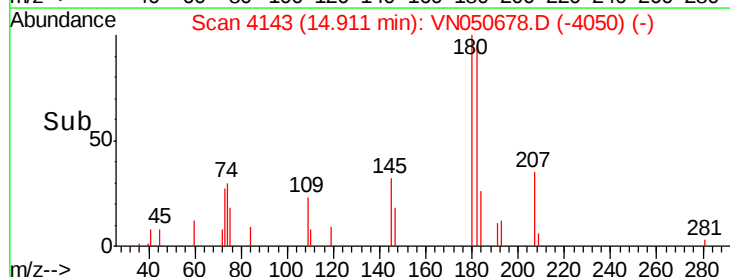
1000

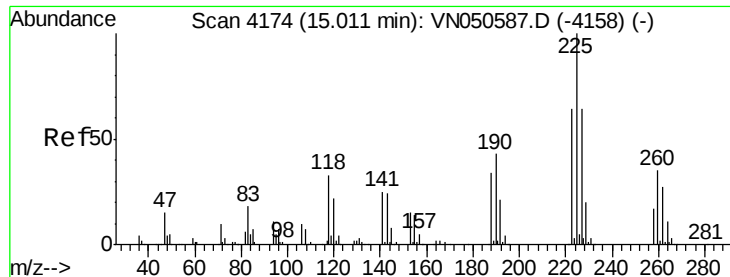
500

0

14.85 14.90 14.95

Time-->





#94

Hexachlorobutadiene

Concen: 0.49 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Instrument :

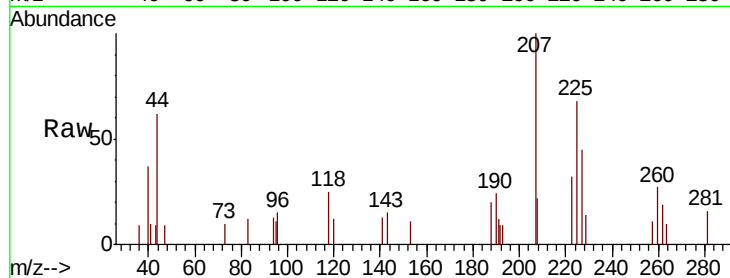
MSVOA_N

ClientSampleId :

PB1112055ZHE#06

Tot Ion:225 Resp: 1642

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.1	96.3
227	58.8	32.0	96.2

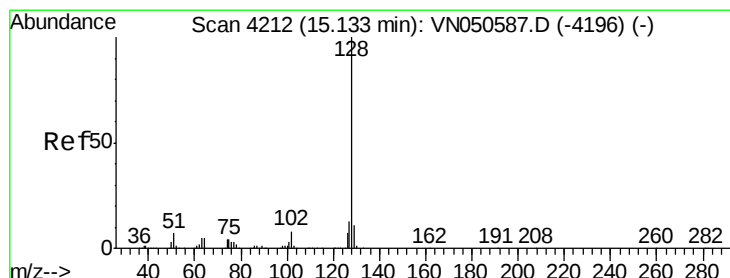
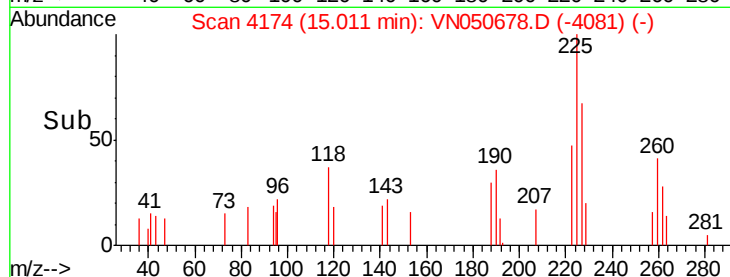
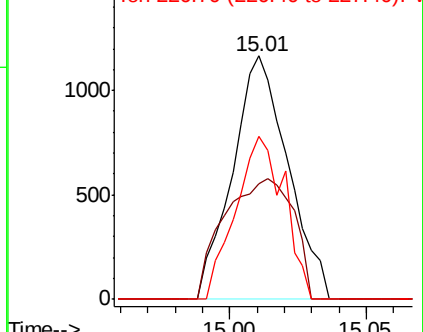


Abundance

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: 4.54 ug/l

RT: 15.14 min Scan# 4213

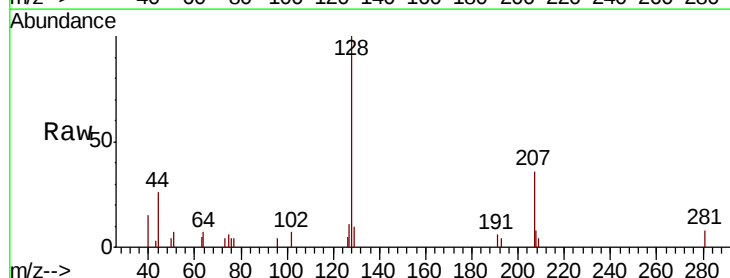
Delta R.T. 0.00 min

Lab File: VN050678.D

Acq: 16 Aug 2018 1:57

Tgt Ion:128 Resp: 8750

Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.3	15.5#
129	10.5	8.5	12.7

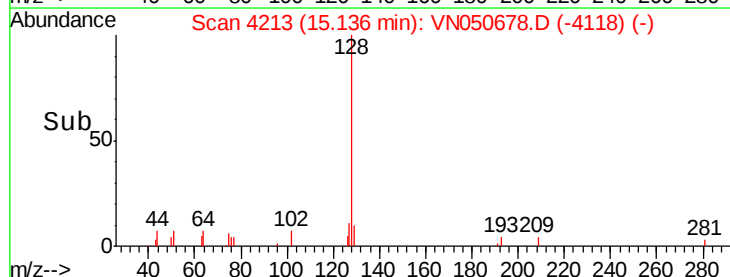
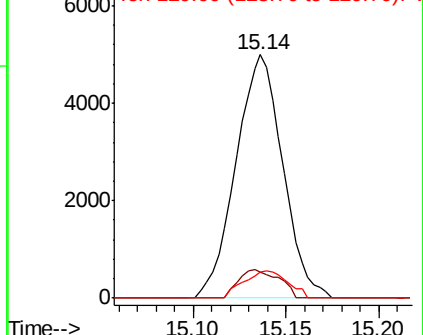


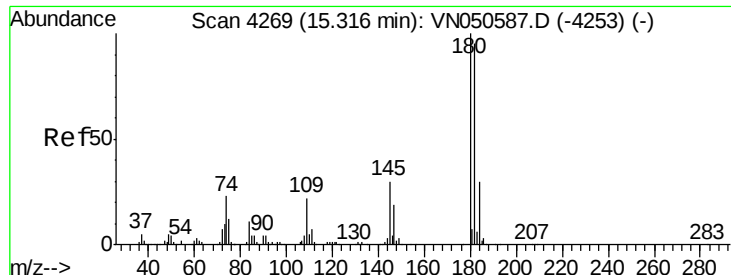
Abundance

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

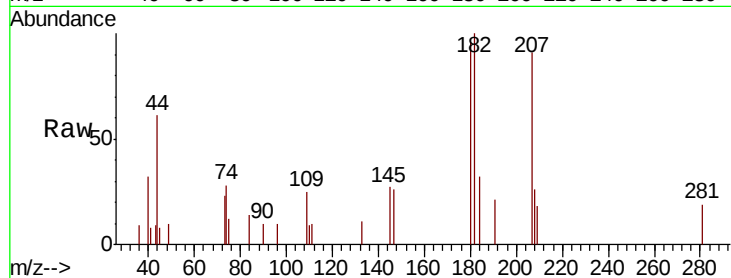




#96
 1,2,3-Trichlorobenzene
 Concen: 2.59 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050678.D
 Acq: 16 Aug 2018 1:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB1112055ZHE#06

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.3	141.8
145	26.4	14.6	44.0



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

