

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052675.D
 Acq On : 5 Dec 2018 14:40
 Operator : MD\SY
 Sample : PB115330ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#06

Quant Time: Dec 06 04:28:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1148129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1788640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1545605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	548094	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	607282	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.59	113	548527	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.09	98	2166684	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	653554	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

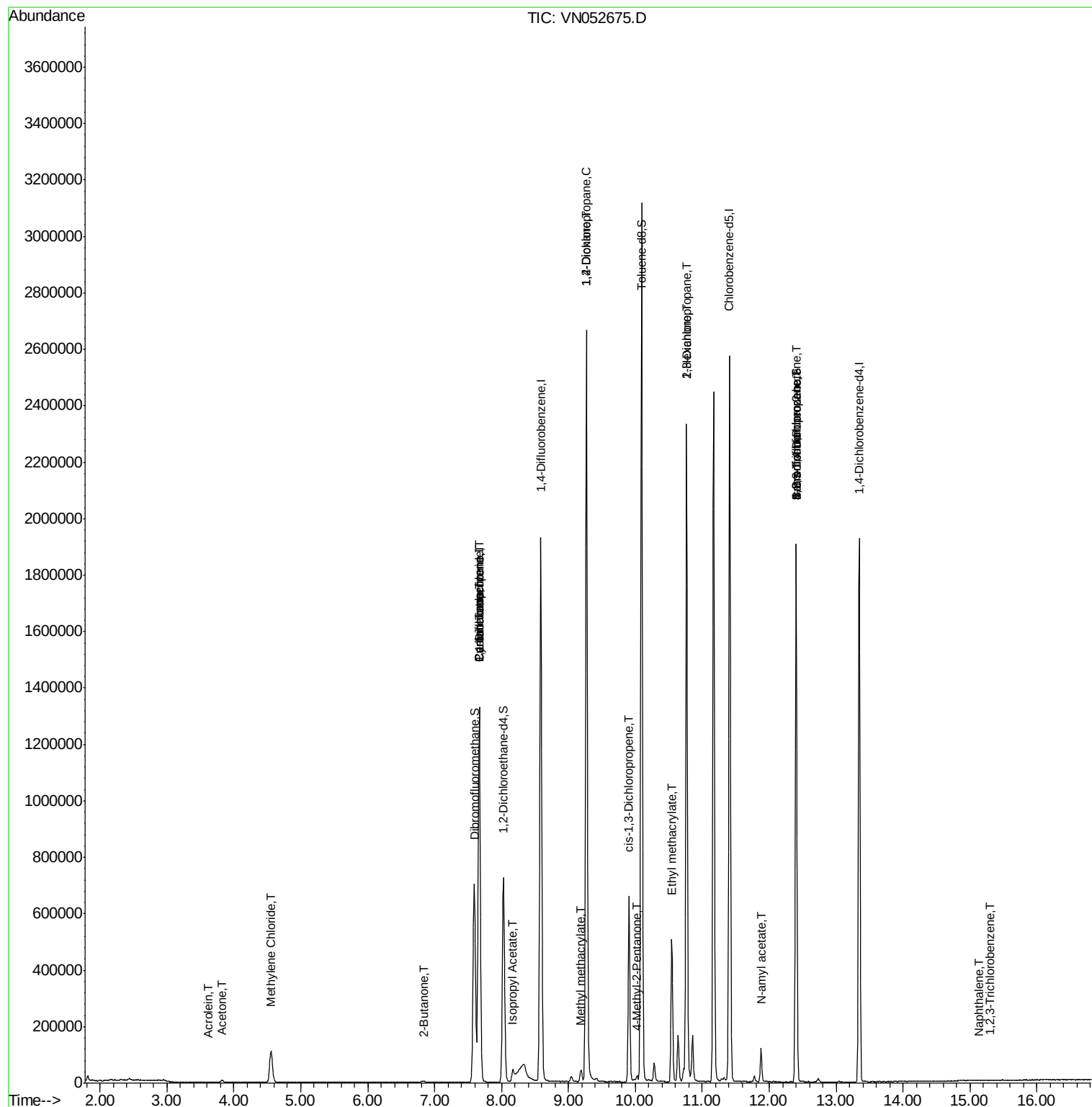
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	260	0.239	ug/l #	14
16) Acetone	3.82	43	13501	4.095	ug/l	94
20) Methylene Chloride	4.56	84	87348	6.770	ug/l	94
25) 2-Butanone	6.84	43	1173	0.251	ug/l #	50
31) Cyclohexane	7.66	56	19876	0.562	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79422	4.702	ug/l #	49
38) Carbon Tetrachloride	7.67	117	103750	6.785	ug/l #	15
43) Isopropyl Acetate	8.17	43	54963	3.151	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	3404	0.254	ug/l #	43
48) Methyl methacrylate	9.18	41	14736	1.620	ug/l #	13
49) 1,4-Dioxane	9.27	88	281	2.977	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16441	1.680	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	121368	6.536	ug/l #	62
56) Ethyl methacrylate	10.55	69	1826	2.811	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	24282	1.307	ug/l #	43
59) 2-Hexanone	10.76	43	340542	51.841	ug/l #	51
71) Bromoform	12.40	173	4267	0.582	ug/l #	1
74) N-amyl acetate	11.88	43	37401	3.443	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	310374	36.722	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	310374	122.635	ug/l #	11
95) Naphthalene	15.14	128	561	3.454	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	69	2.734	ug/l #	78

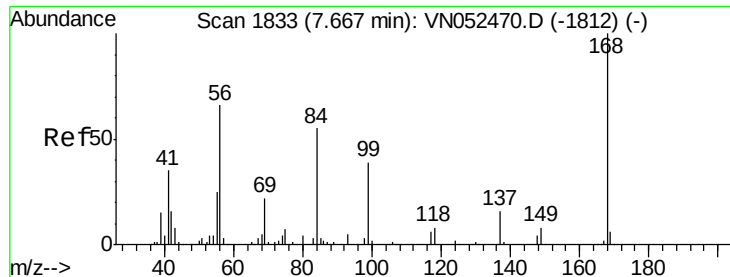
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120518\
Data File : VN052675.D
Acq On : 5 Dec 2018 14:40
Operator : MD\SY
Sample : PB115330ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#06

Quant Time: Dec 06 04:28:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 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: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

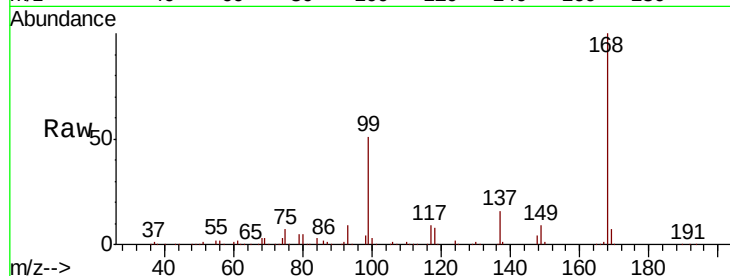
PB115330ZHE#06

Tot Ion:168 Resp: 1148129

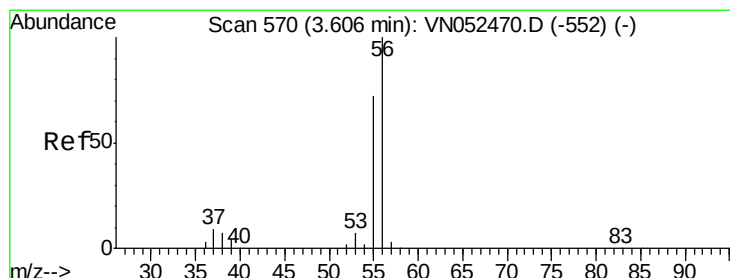
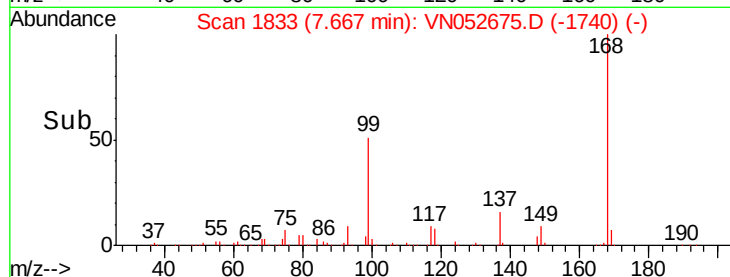
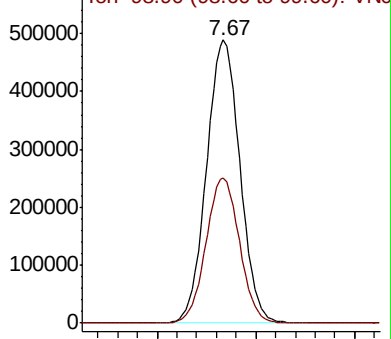
Ion Ratio Lower Upper

168 100

99 51.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)



#13

Acrolein

Concen: 0.239 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052675.D

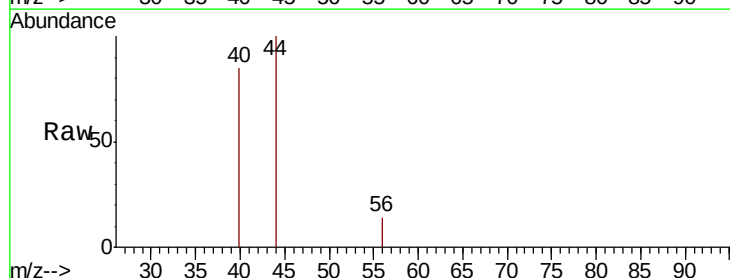
Acq: 5 Dec 2018 14:40

Tgt Ion: 56 Resp: 260

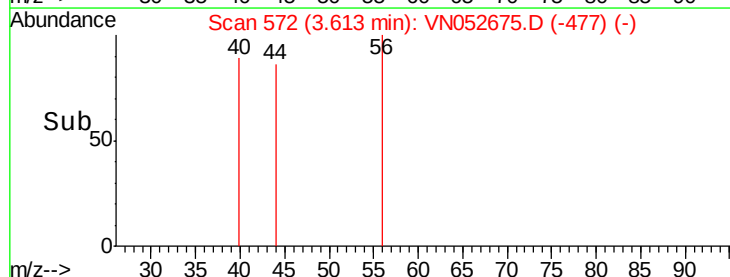
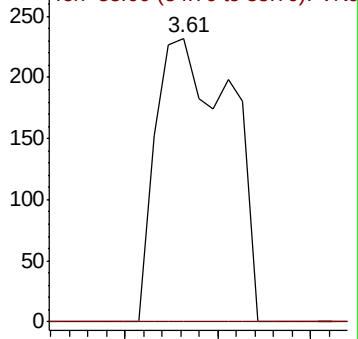
Ion Ratio Lower Upper

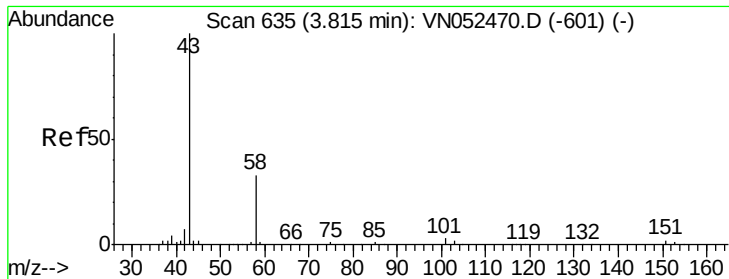
56 100

55 0.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)





#16

Acetone

Concen: 4.095 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

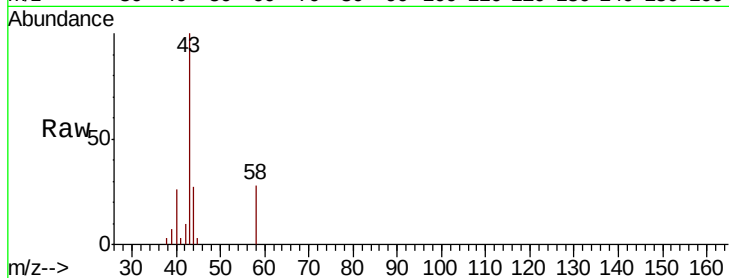
PB115330ZHE#06

Tot Ion: 43 Resp: 13501

Ion Ratio Lower Upper

43 100

58 29.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

6000

5000

4000

3000

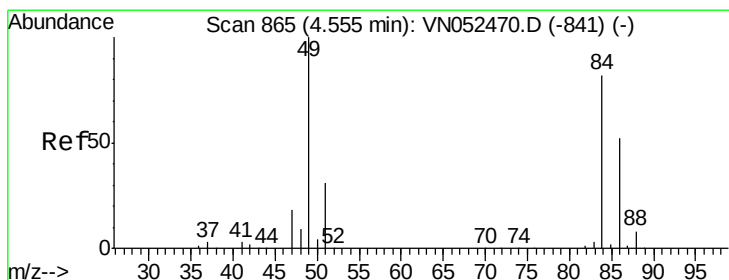
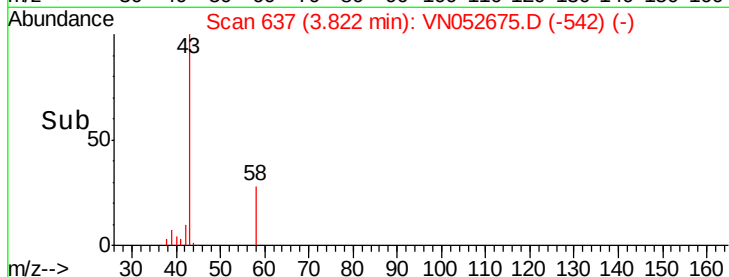
2000

1000

0

Time-->

3.70 3.75 3.80 3.85 3.90



#20

Methylene Chloride

Concen: 6.770 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Tgt Ion: 84 Resp: 87348

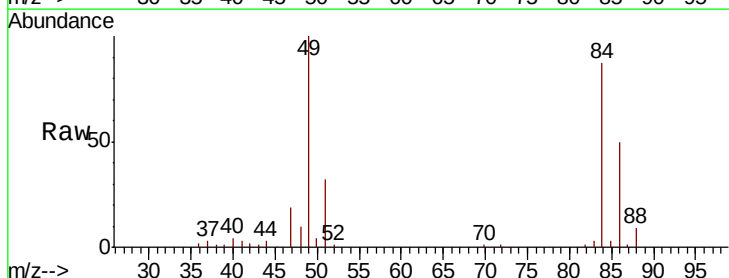
Ion Ratio Lower Upper

84 100

49 115.5 98.0 147.0

51 36.8 30.1 45.1

86 57.7 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

50000

40000

30000

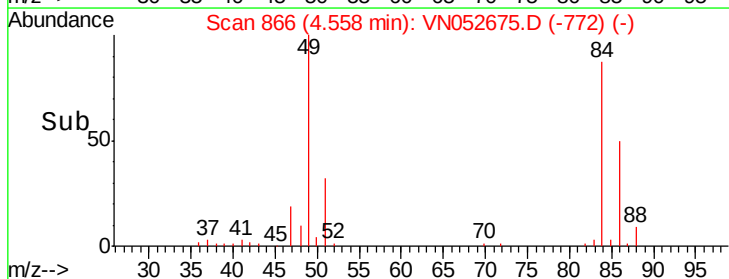
20000

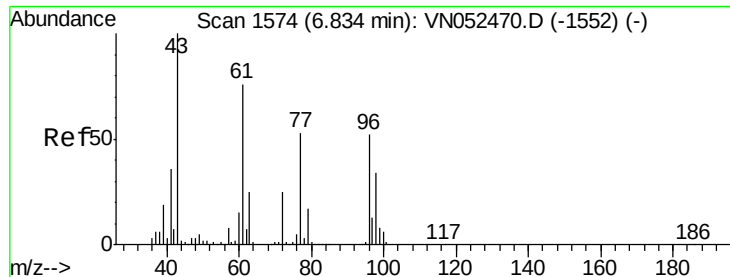
10000

0

Time-->

4.40 4.50 4.60 4.70

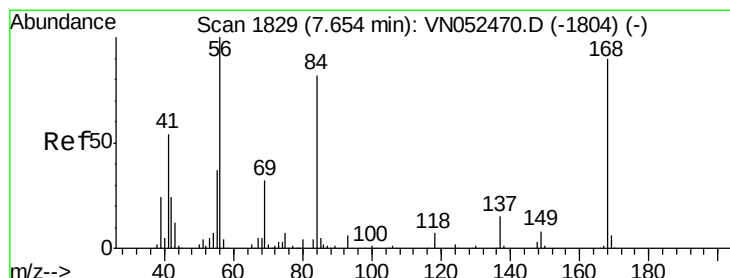
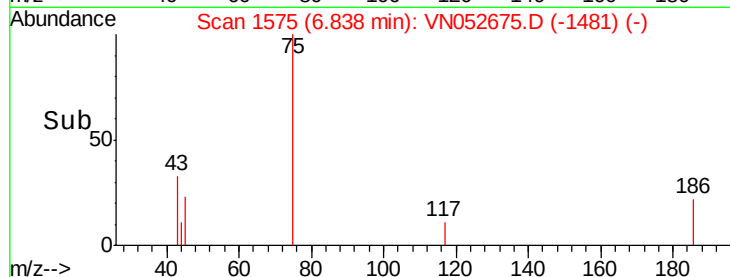
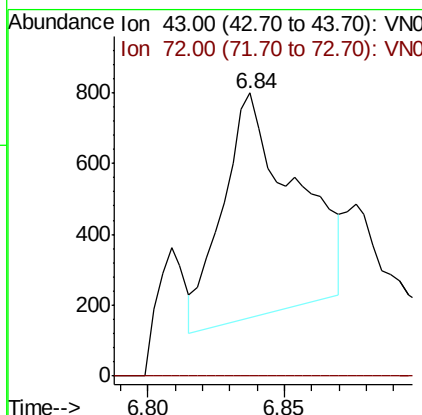
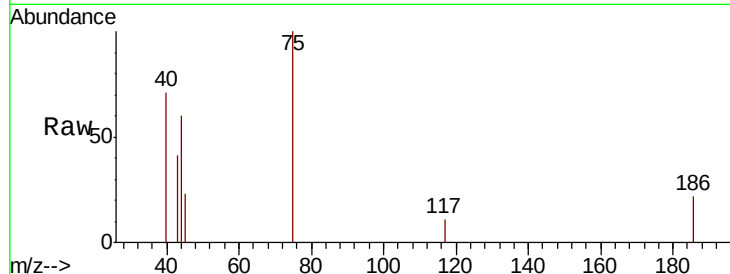




#25
2-Butanone
Concen: 0.251 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

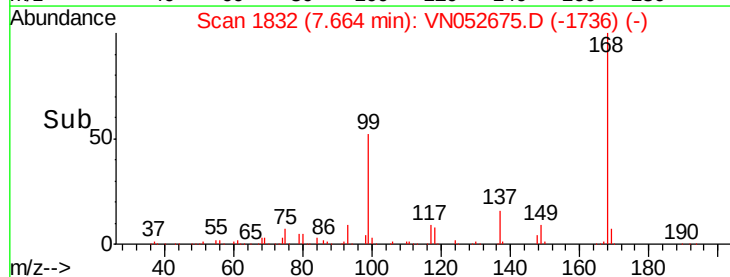
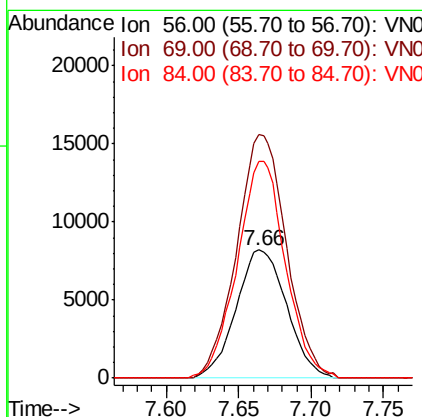
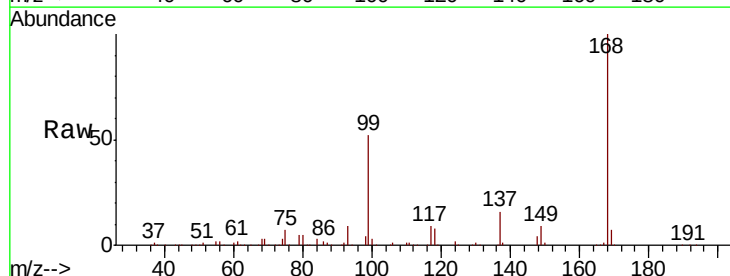
Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#06

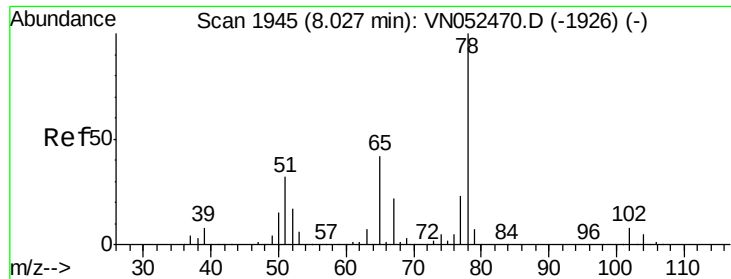
Tot Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 0.562 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

Tgt Ion: 56 Resp: 19876
Ion Ratio Lower Upper
56 100
69 189.8 25.8 38.6#
84 168.7 65.3 97.9#

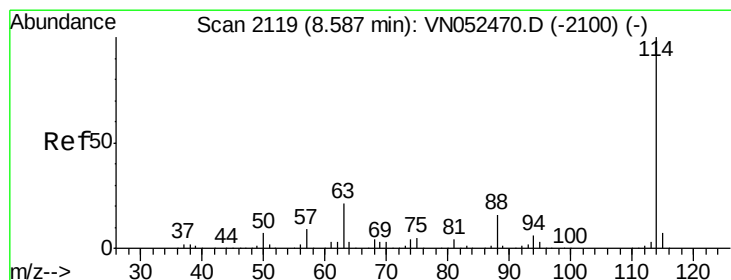
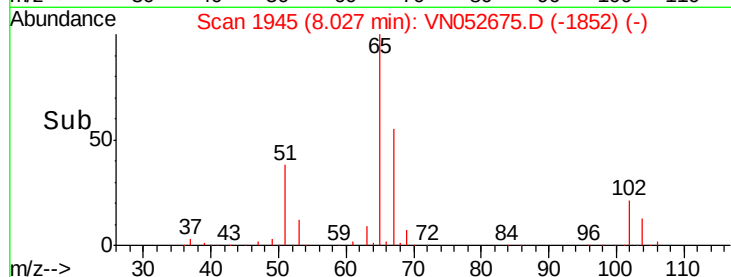
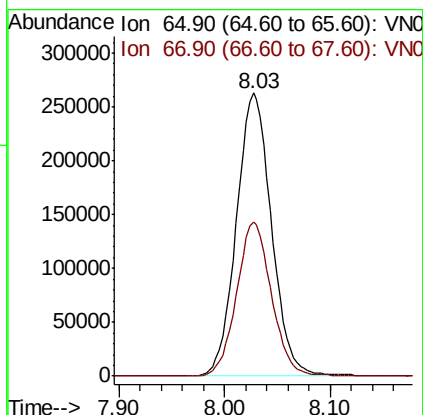
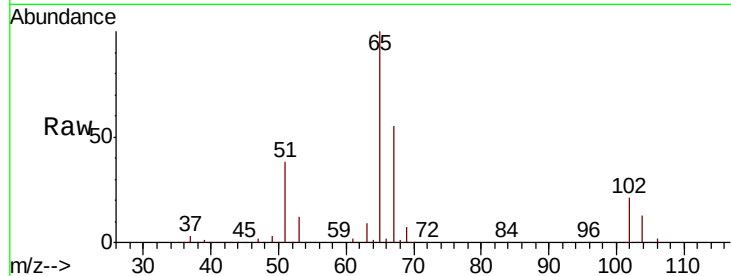




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

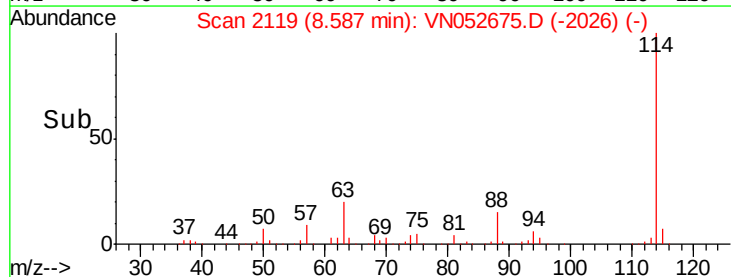
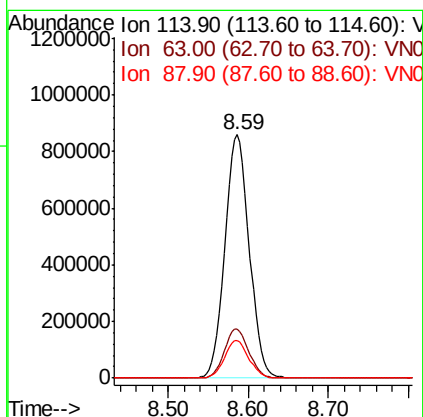
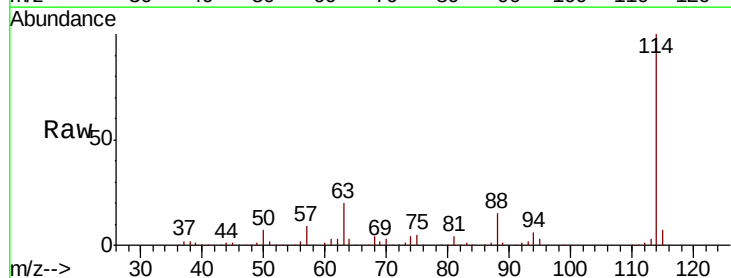
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#06

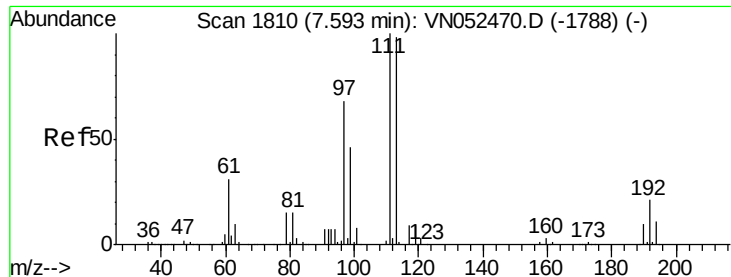
Tot Ion: 65 Resp: 607282
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

Tgt Ion: 114 Resp: 1788640
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.4 0.0 31.6

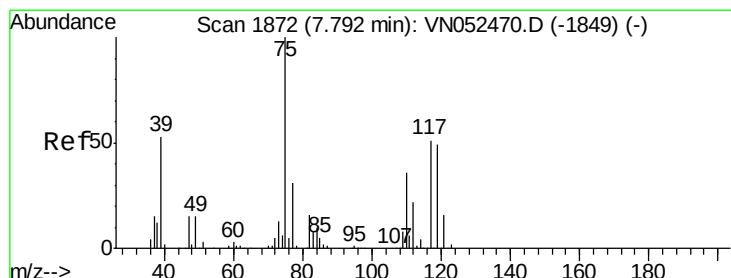
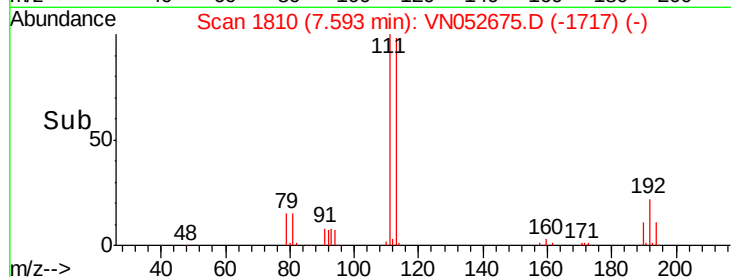
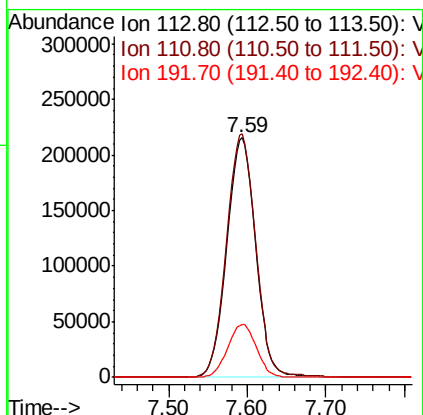
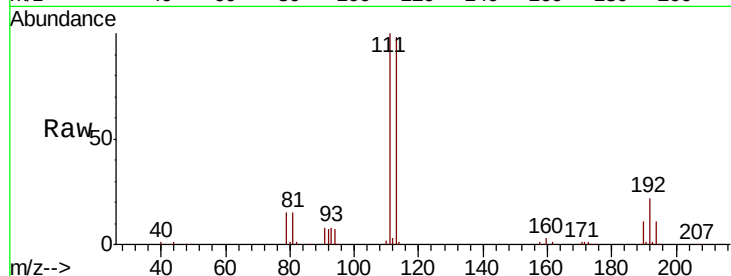




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

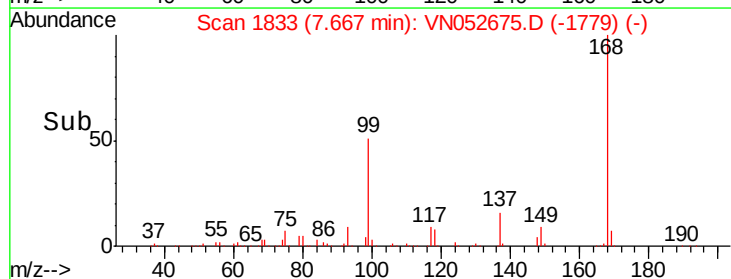
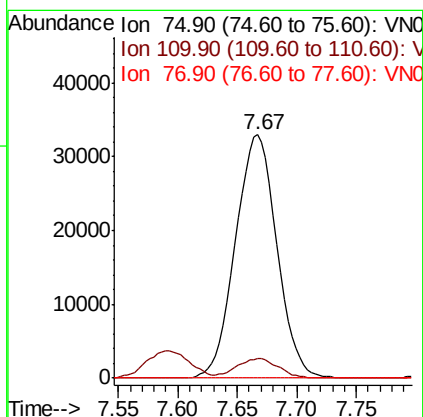
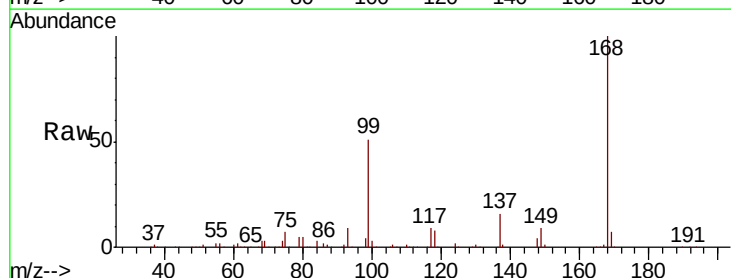
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#06

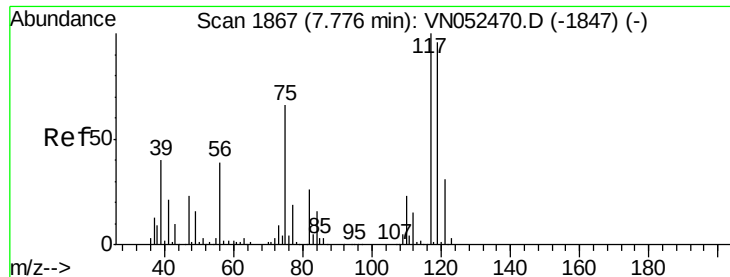
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	22.2	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#06

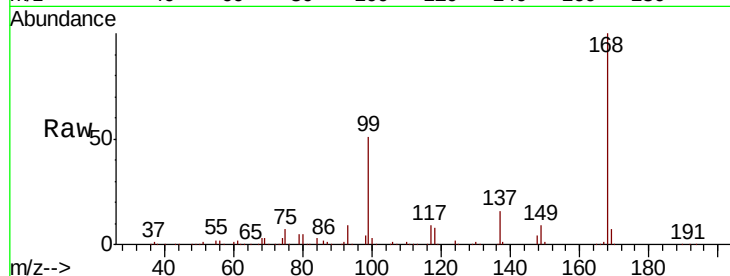
Tot Ion:117 Resp: 103750

Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

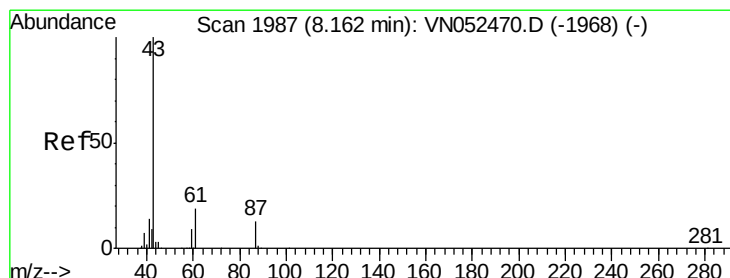
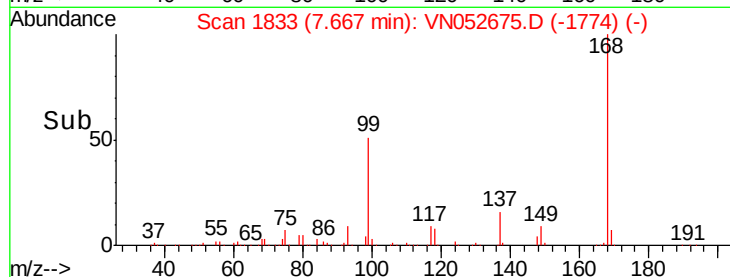
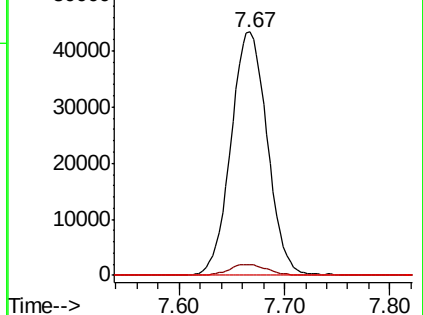
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.151 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

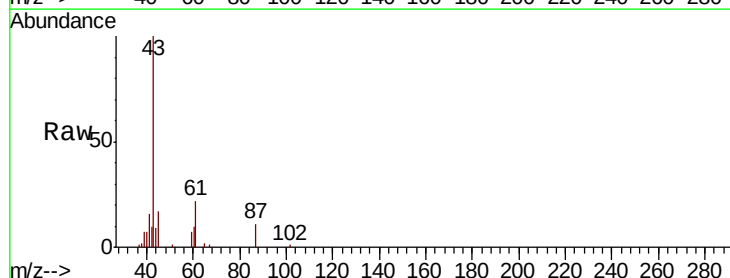
Tgt Ion: 43 Resp: 54963

Ion Ratio Lower Upper

43 100

61 17.3 24.1 36.1#

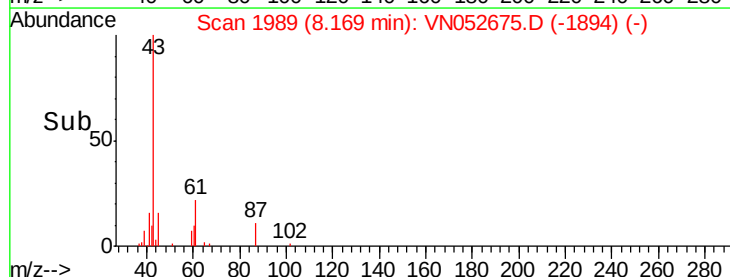
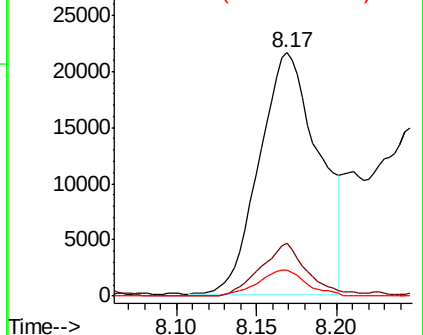
87 8.7 10.6 15.8#

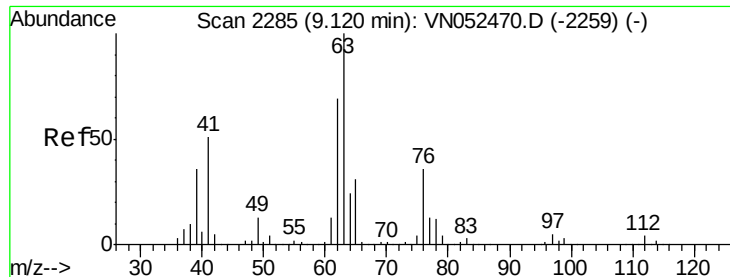


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

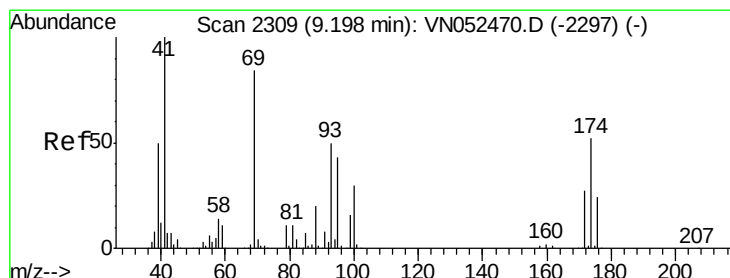
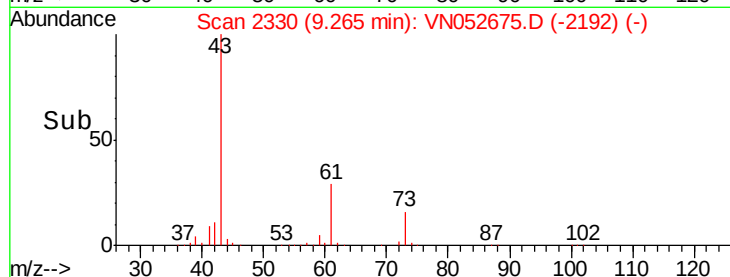
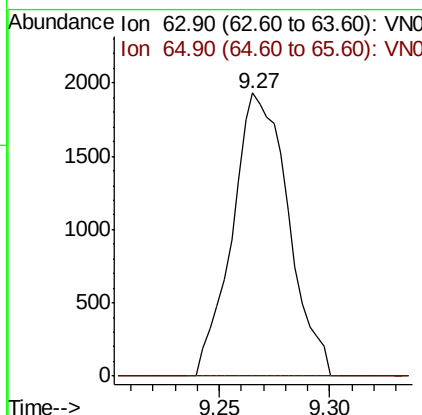
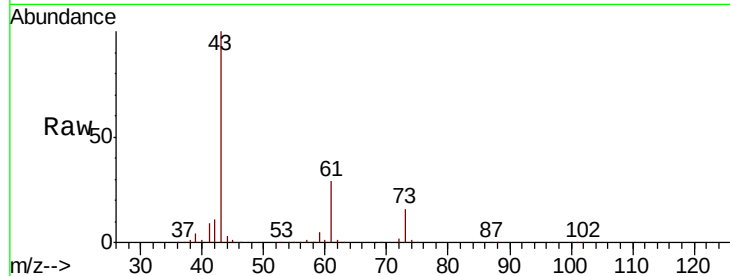




#45
 1,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

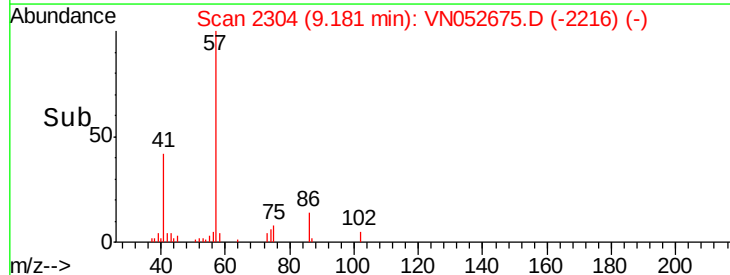
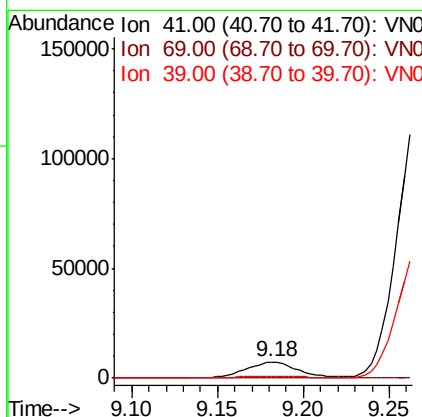
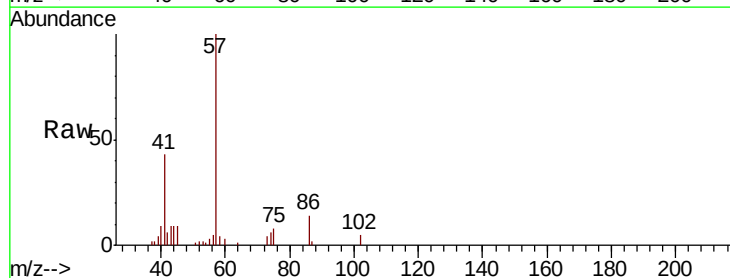
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#06

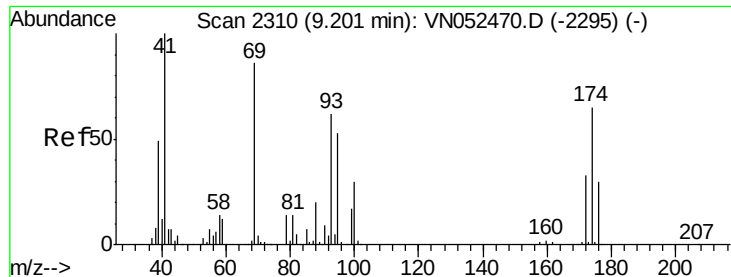
Tot Ion: 63 Resp: 3404
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.620 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052675.D
 Acq: 5 Dec 2018 14:40

Tgt Ion: 41 Resp: 14736
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.0 105.0#
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 2.977 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#06

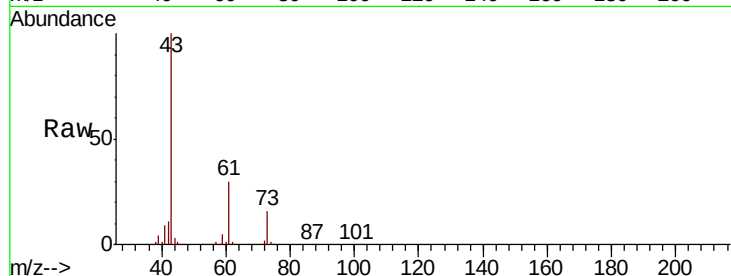
Tot Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

43 940598.9 26.4 39.6#

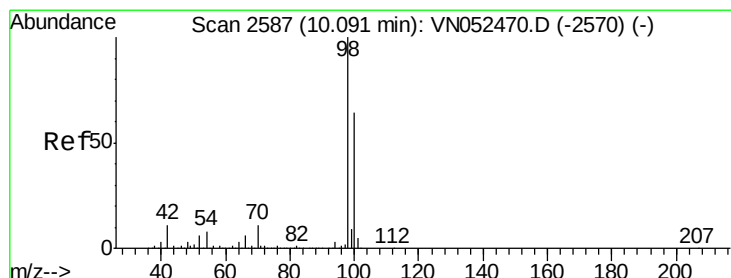
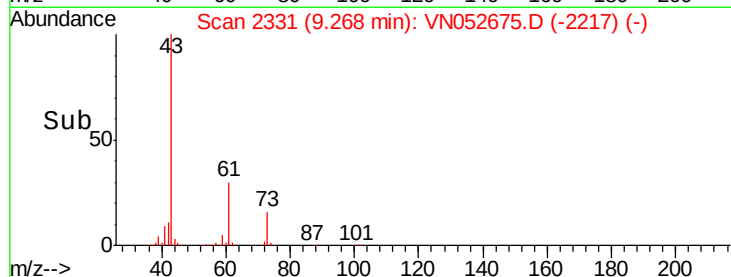
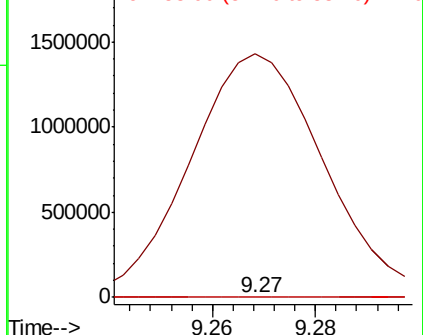
58 4220.6 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 2.977 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052675.D

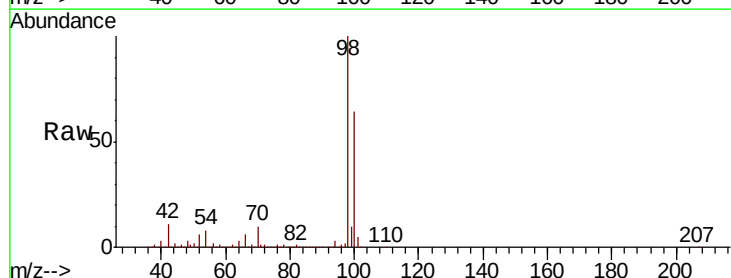
Acq: 5 Dec 2018 14:40

Tgt Ion: 98 Resp: 2166684

Ion Ratio Lower Upper

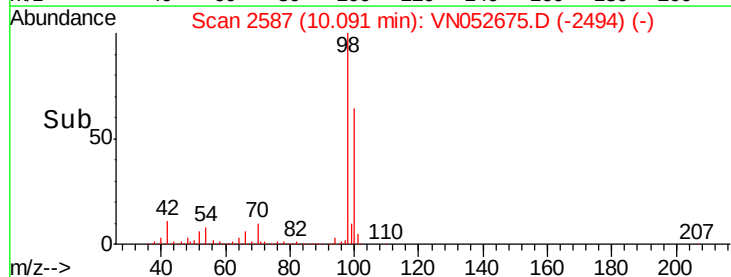
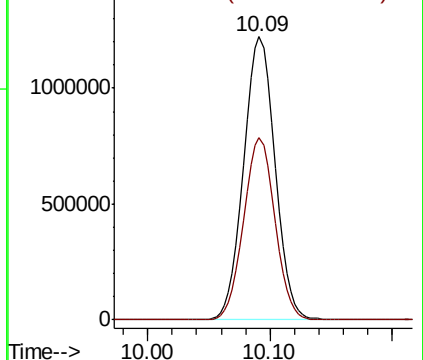
98 100

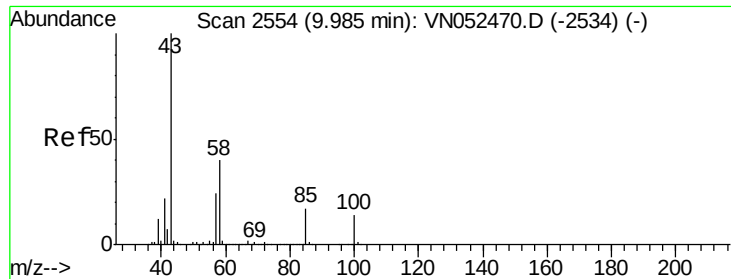
100 64.1 51.3 76.9



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: 1.680 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

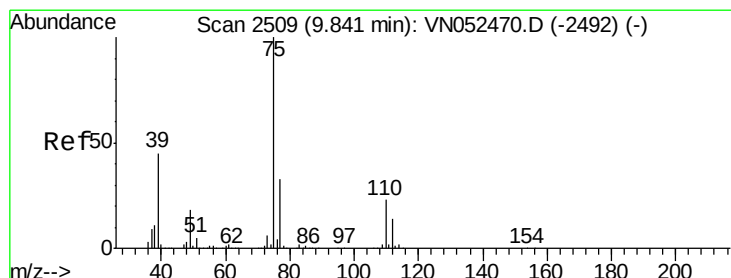
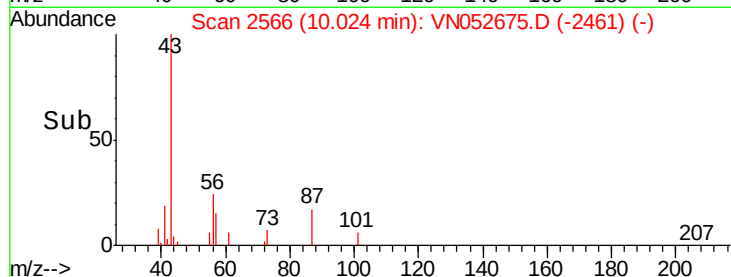
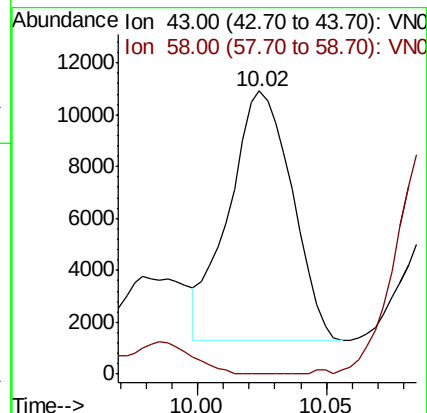
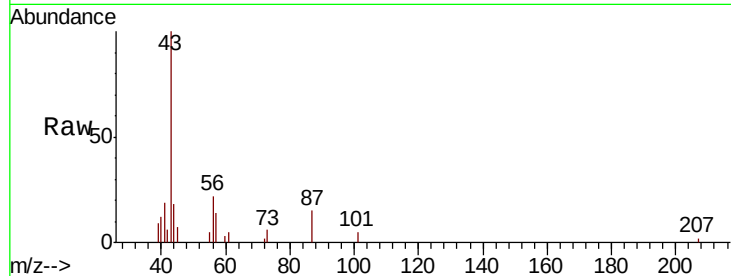
PB115330ZHE#06

Tot Ion: 43 Resp: 16441

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#54

cis-1,3-Dichloropropene

Concen: 6.536 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

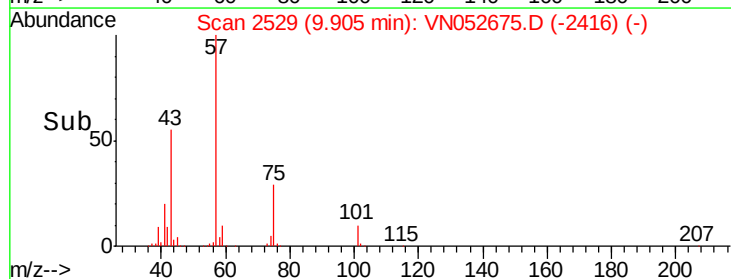
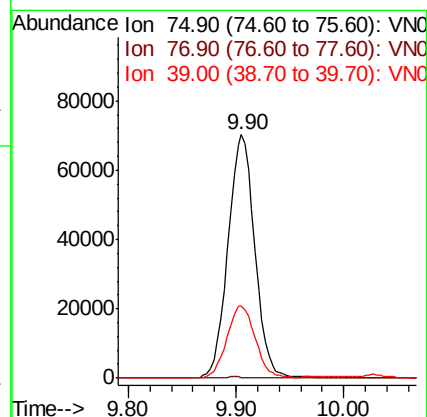
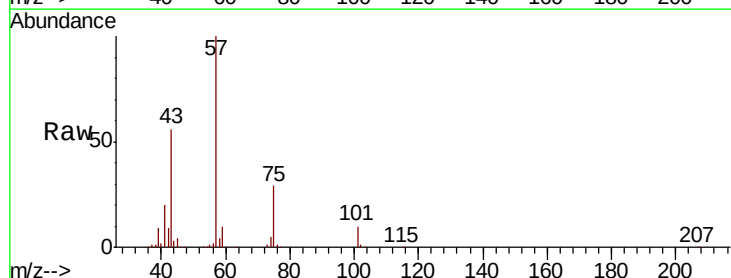
Tgt Ion: 75 Resp: 121368

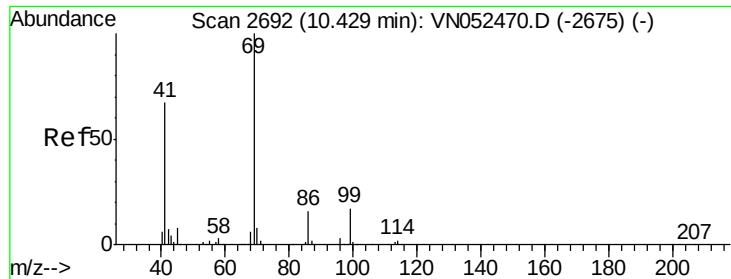
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 29.8 36.0 54.0#





#56

Ethyl methacrylate

Concen: 2.811 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#06

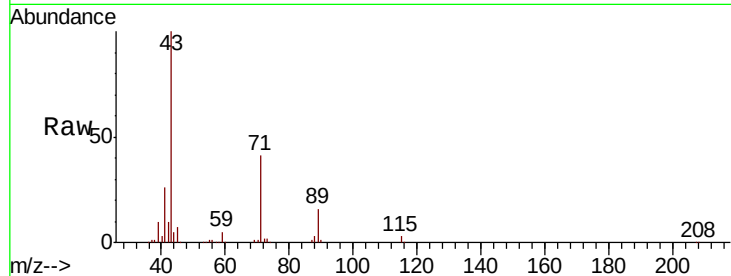
Tot Ion: 69 Resp: 1826

Ion Ratio Lower Upper

69 100

41 5236.0 52.6 79.0#

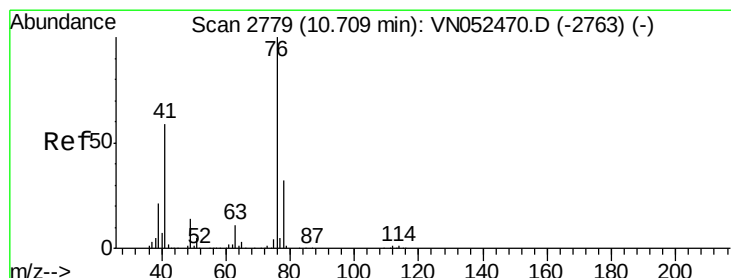
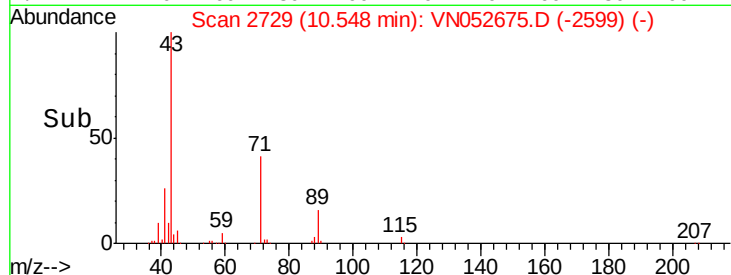
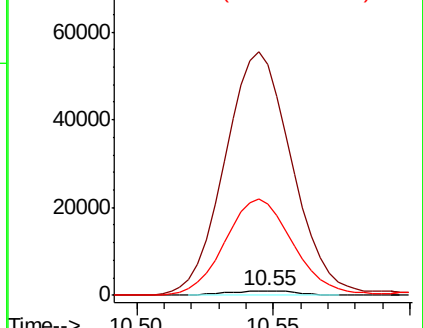
39 2097.6 25.9 38.9#



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



#57

1,3-Dichloropropane

Concen: 1.307 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052675.D

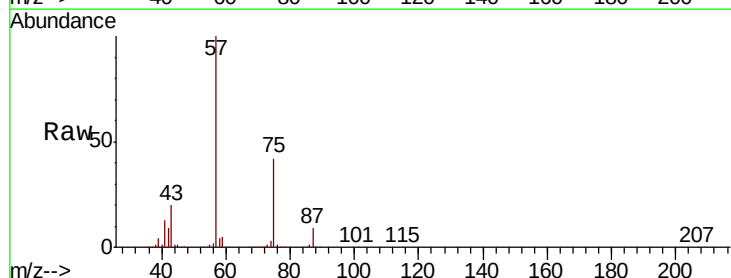
Acq: 5 Dec 2018 14:40

Tgt Ion: 76 Resp: 24282

Ion Ratio Lower Upper

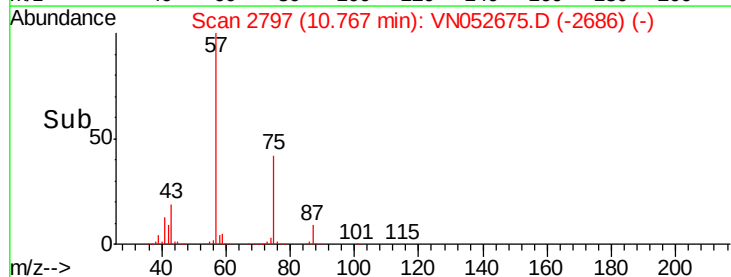
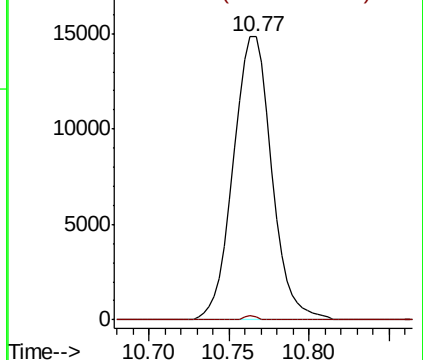
76 100

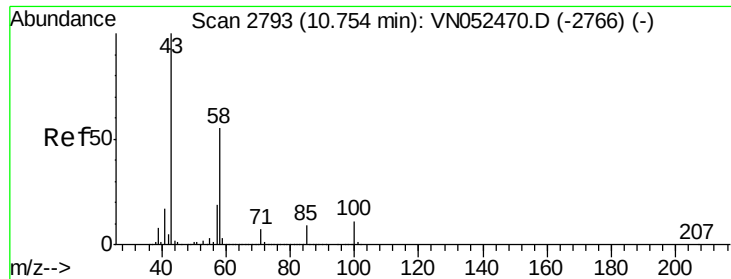
78 0.4 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

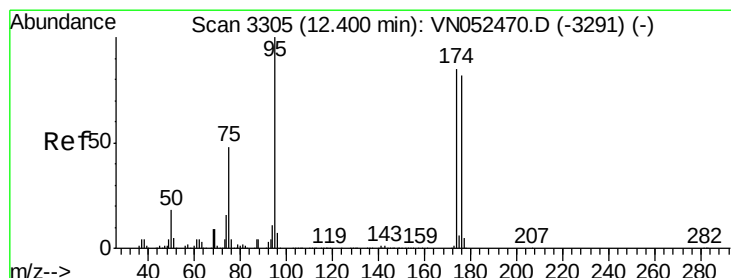
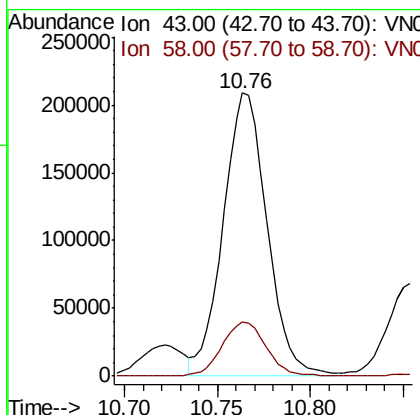
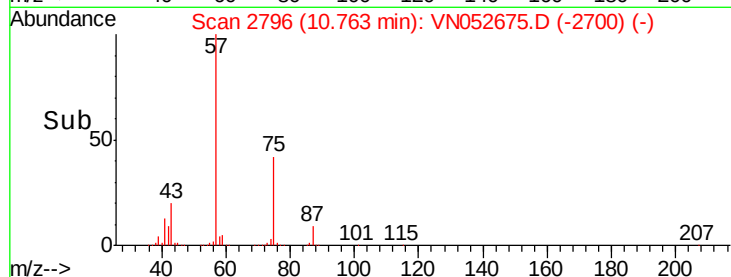
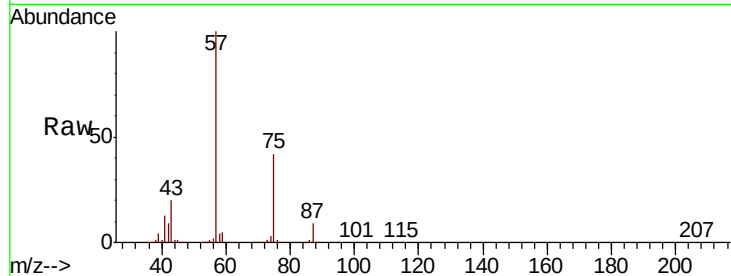




#59
2-Hexanone
Concen: 51.841 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

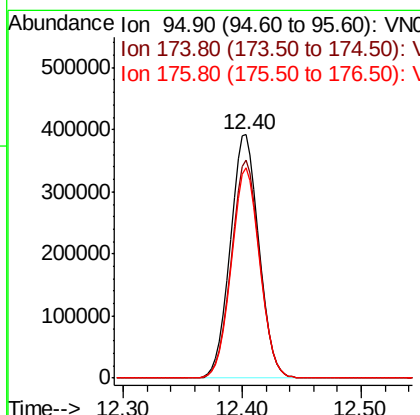
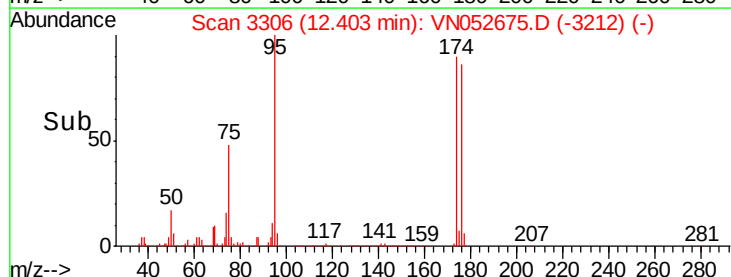
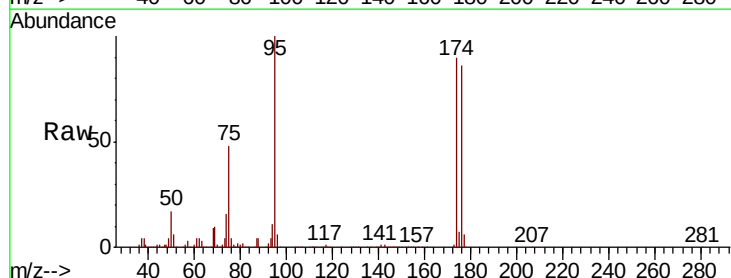
Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#06

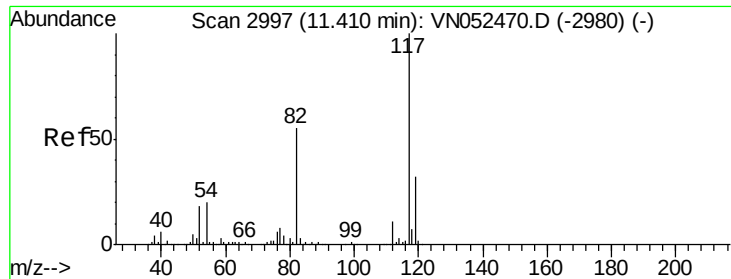
Tot Ion: 43 Resp: 340542
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

Tgt Ion: 95 Resp: 653554
Ion Ratio Lower Upper
95 100
174 88.5 0.0 173.0
176 85.4 0.0 166.2

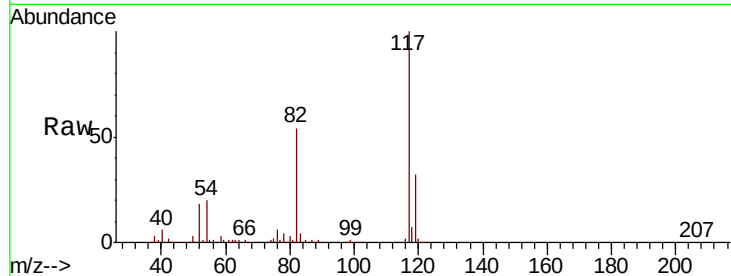




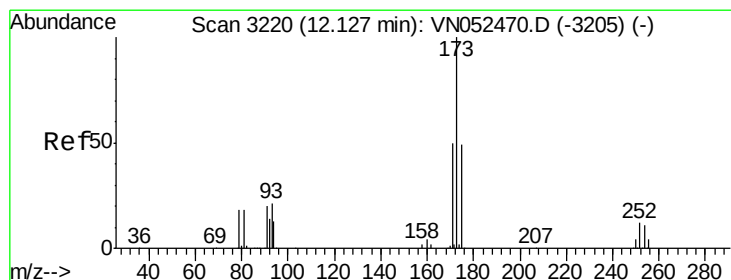
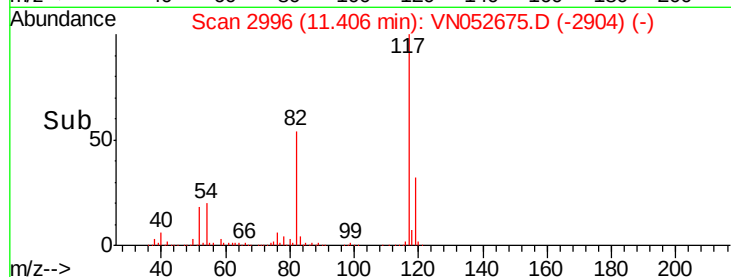
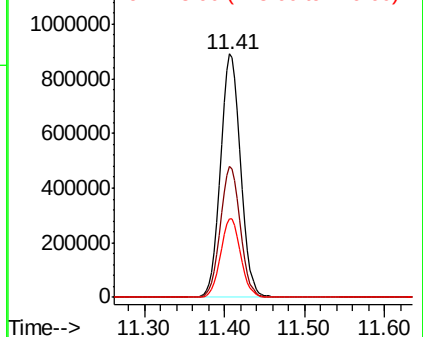
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#06

Tot Ion:117 Resp: 1545605
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.3 25.4 38.2

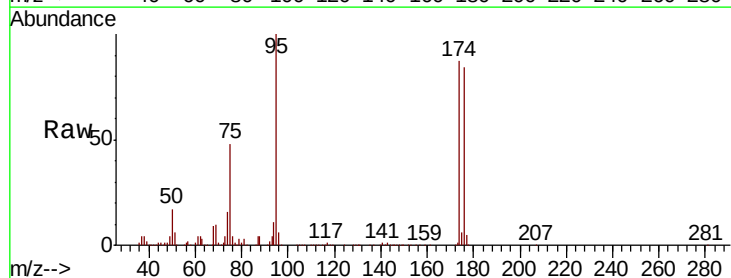


Abundance Ion 116.90 (116.60 to 117.60): V
1200000
Ion 82.00 (81.70 to 82.70): V
1000000
Ion 118.90 (118.60 to 119.60): V

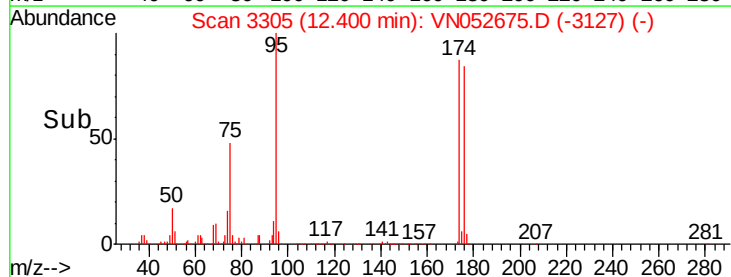
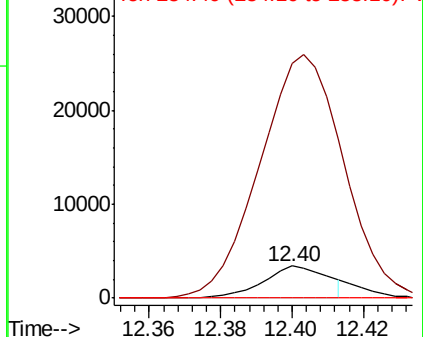


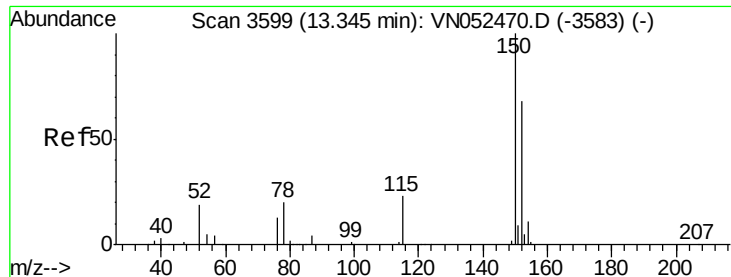
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052675.D
Acq: 5 Dec 2018 14:40

Tgt Ion:173 Resp: 4267
Ion Ratio Lower Upper
173 100
175 855.1 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
30000
Ion 174.70 (174.40 to 175.40): V
20000
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: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#06

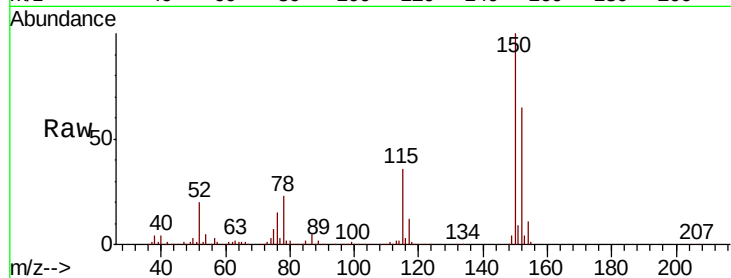
Tot Ion:152 Resp: 548094

Ion Ratio Lower Upper

152 100

115 56.2 28.4 85.2

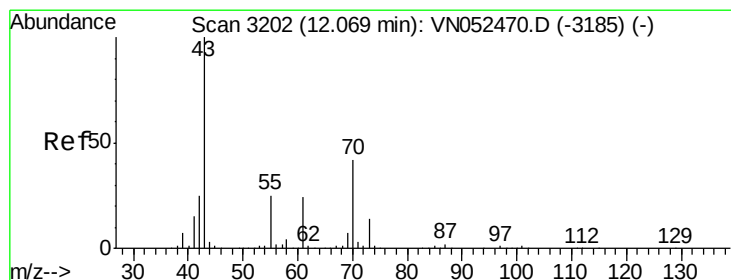
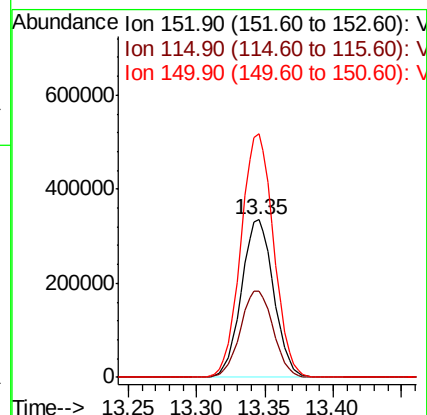
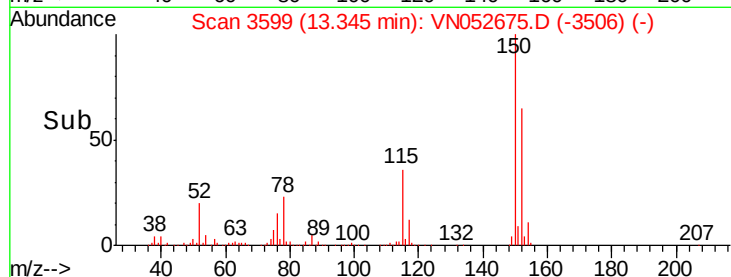
150 157.2 0.0 346.0



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-ethyl acetate

Concen: 3.443 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Tgt Ion: 43 Resp: 37401

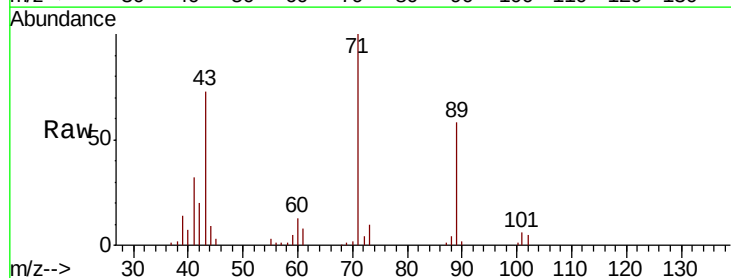
Ion Ratio Lower Upper

43 100

70 2.0 33.8 50.8#

55 3.7 20.0 30.0#

61 11.0 19.7 29.5#

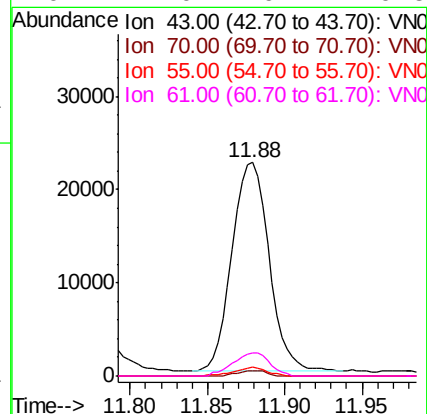
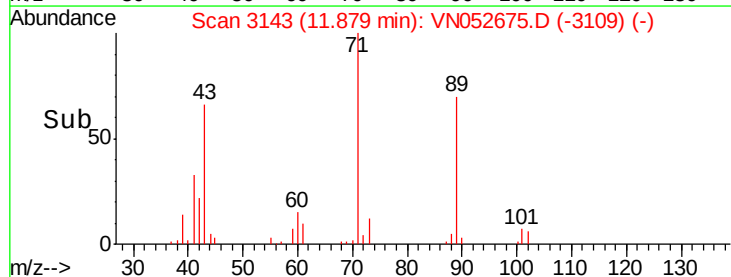


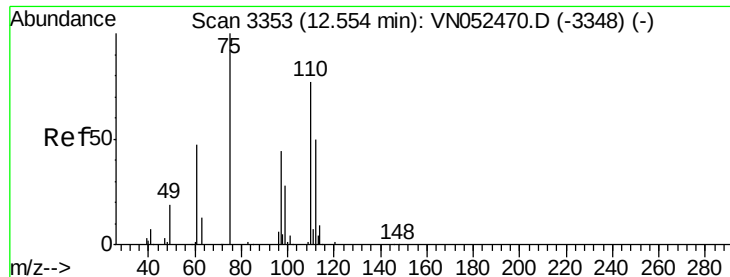
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.722 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

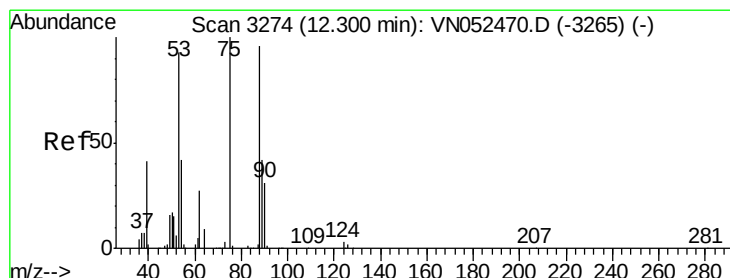
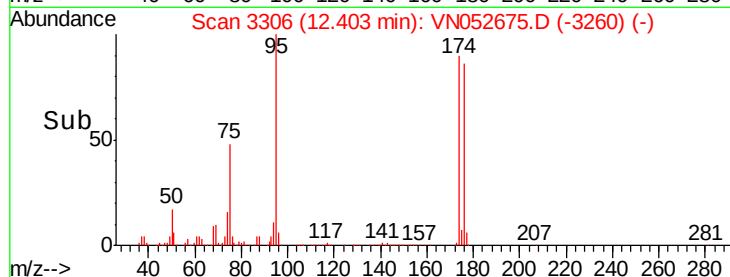
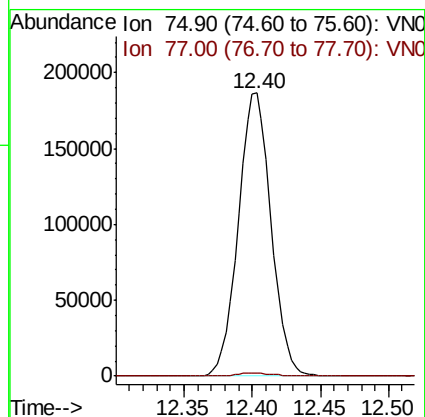
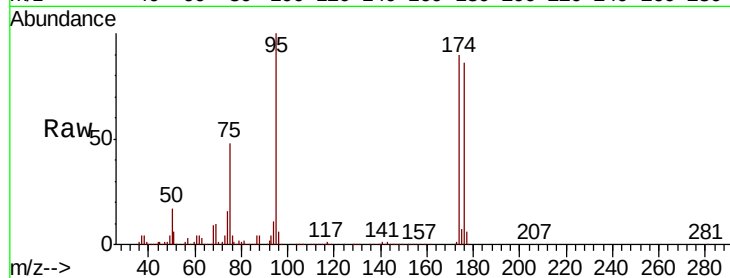
PB115330ZHE#06

Tot Ion: 75 Resp: 310374

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.635 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

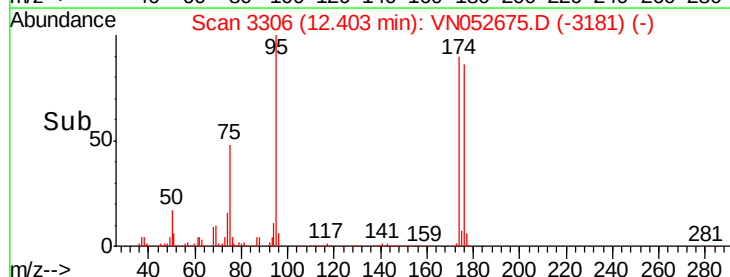
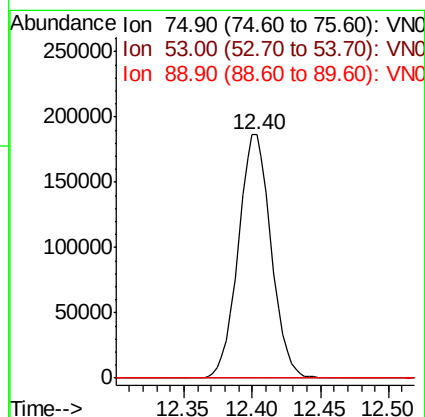
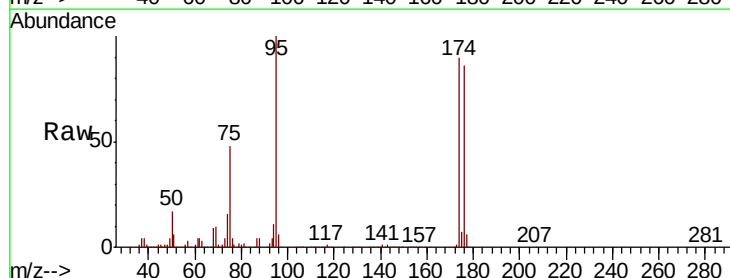
Tgt Ion: 75 Resp: 310374

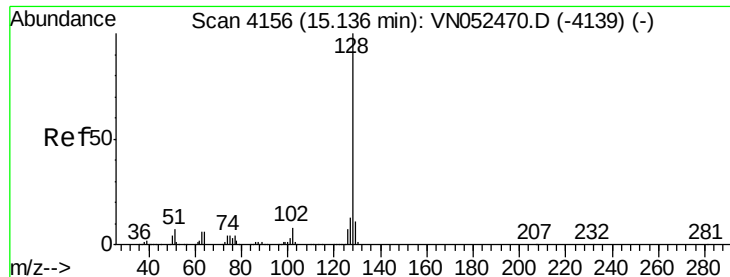
Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 3.454 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#06

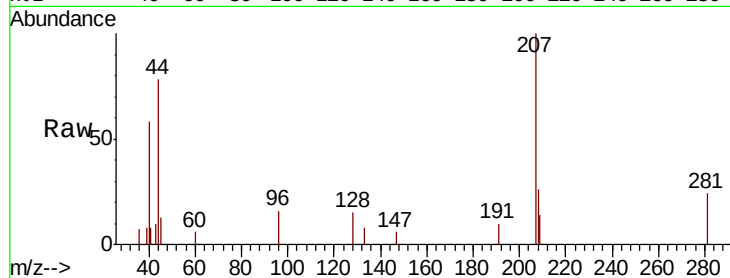
Tot Ion:128 Resp: 561

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

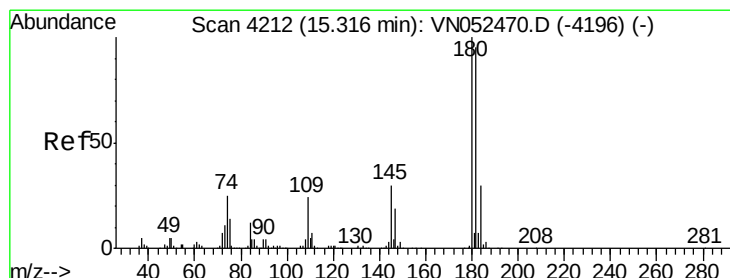
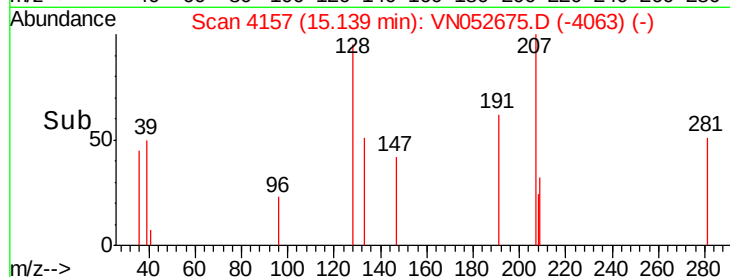
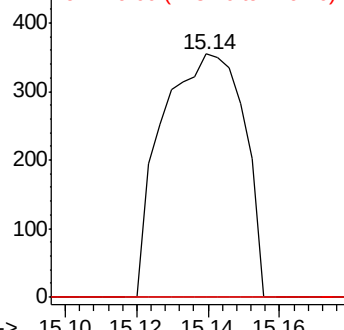
129 0.0 8.7 13.1#



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: 2.734 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052675.D

Acq: 5 Dec 2018 14:40

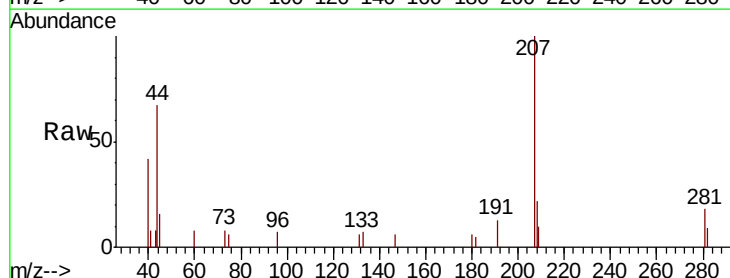
Tgt Ion:180 Resp: 69

Ion Ratio Lower Upper

180 100

182 84.1 47.8 143.3

145 0.0 15.2 45.5#



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

