

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052673.D
 Acq On : 5 Dec 2018 13:46
 Operator : MD\SY
 Sample : PB115330ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#04

Quant Time: Dec 06 04:27:34 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	1170550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1812801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1611625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599886	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	616133	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	7.59	113	558223	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.09	98	2227721	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	695318	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

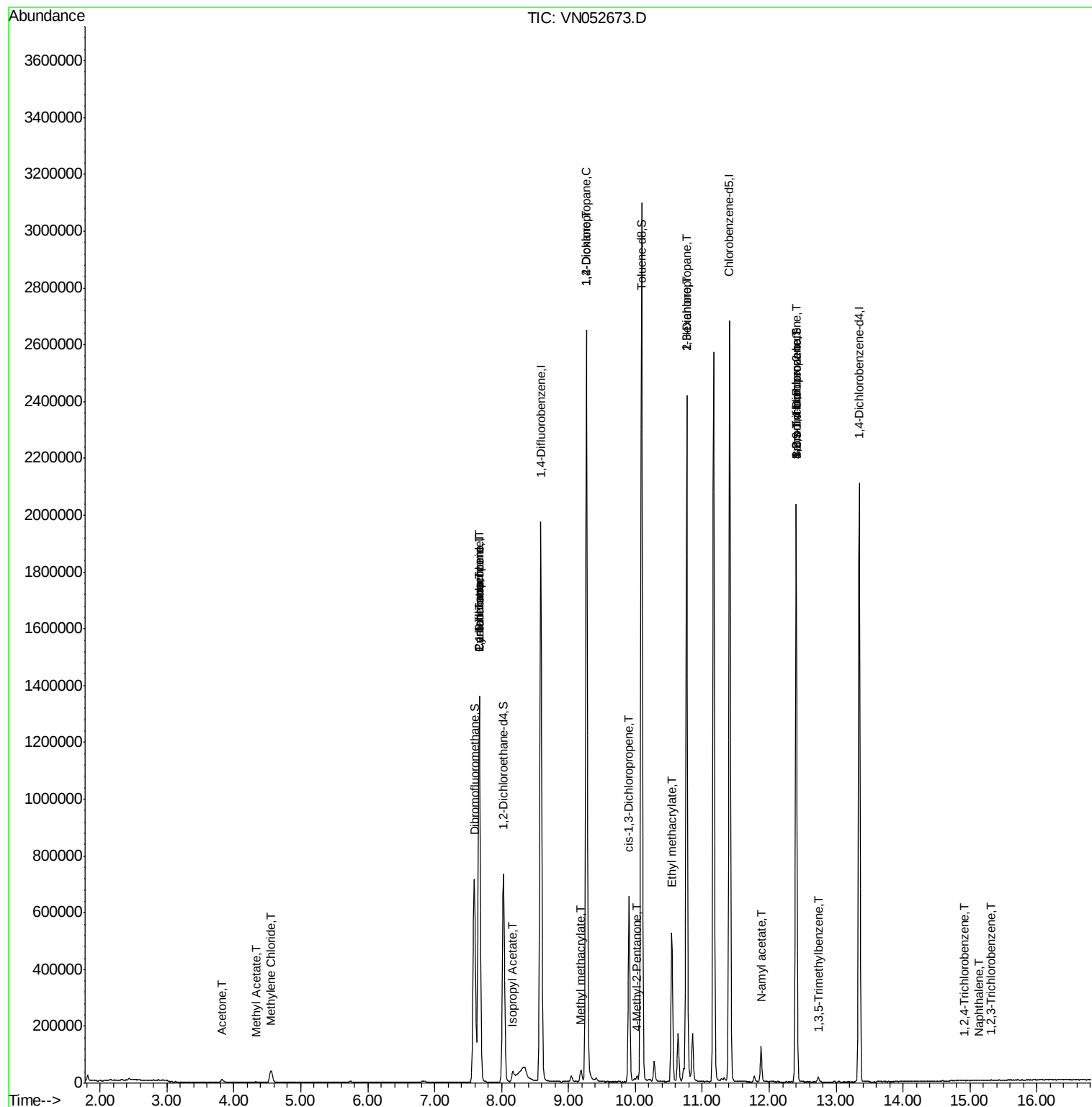
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	18339	5.455	ug/l	98
18) Methyl Acetate	4.34	43	5398	0.560	ug/l #	75
20) Methylene Chloride	4.55	84	32064	2.437	ug/l	98
31) Cyclohexane	7.66	56	20493	0.573	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78908	4.609	ug/l #	50
38) Carbon Tetrachloride	7.67	117	102278	6.600	ug/l #	15
43) Isopropyl Acetate	8.17	43	53266	3.013	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	3180	0.234	ug/l #	43
48) Methyl methacrylate	9.18	41	14797	1.605	ug/l #	13
49) 1,4-Dioxane	9.26	88	230	2.404	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	17065	1.720	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	123569	6.566	ug/l #	63
56) Ethyl methacrylate	10.55	69	1769	2.806	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	24667	1.310	ug/l #	43
59) 2-Hexanone	10.76	43	350039	52.576	ug/l #	51
71) Bromoform	12.40	173	4592	0.600	ug/l #	1
74) N-amyl acetate	11.88	43	39969	3.361	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	336261	36.350	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7892	0.210	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	336261	121.393	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	179	2.845	ug/l #	87
95) Naphthalene	15.14	128	835	3.463	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	274	2.753	ug/l #	78

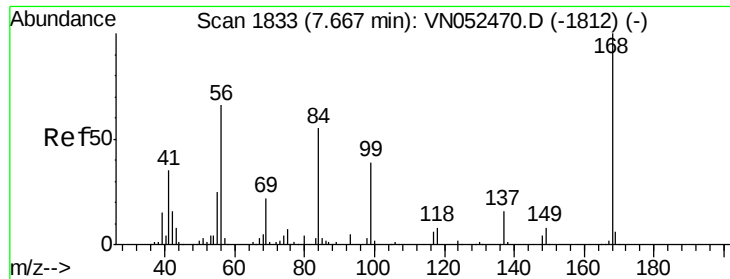
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120518\
Data File : VN052673.D
Acq On : 5 Dec 2018 13:46
Operator : MD\SY
Sample : PB115330ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#04

Quant Time: Dec 06 04:27:34 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: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

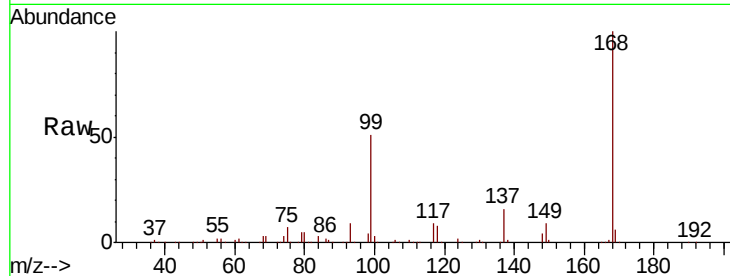
PB115330ZHE#04

Tot Ion:168 Resp: 1170550

Ion Ratio Lower Upper

168 100

99 50.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

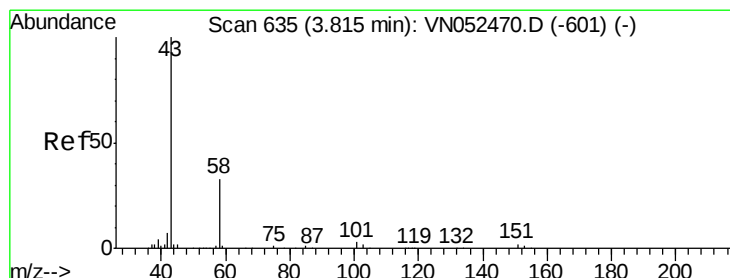
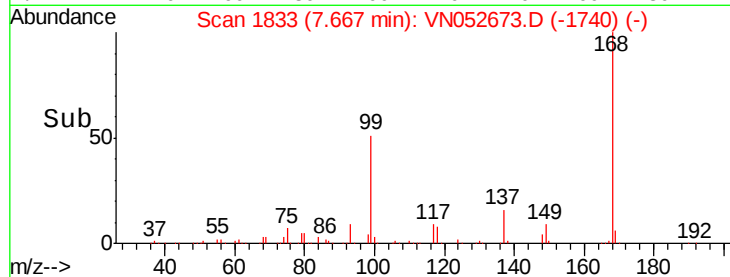
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.455 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052673.D

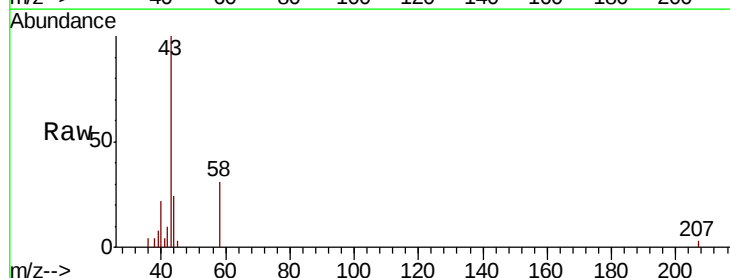
Acq: 5 Dec 2018 13:46

Tgt Ion: 43 Resp: 18339

Ion Ratio Lower Upper

43 100

58 31.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

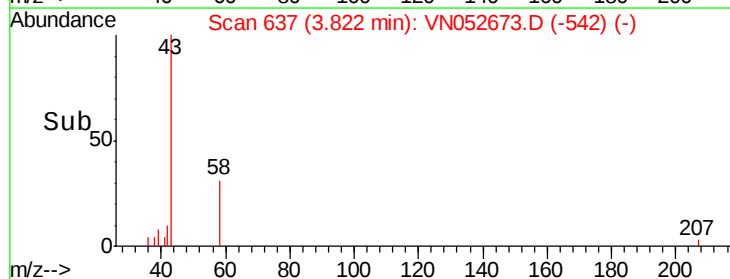
6000

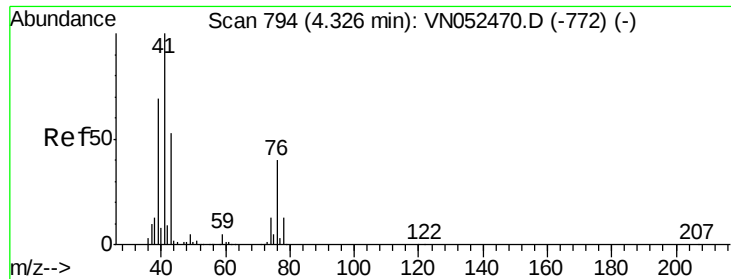
4000

2000

0

Time-->

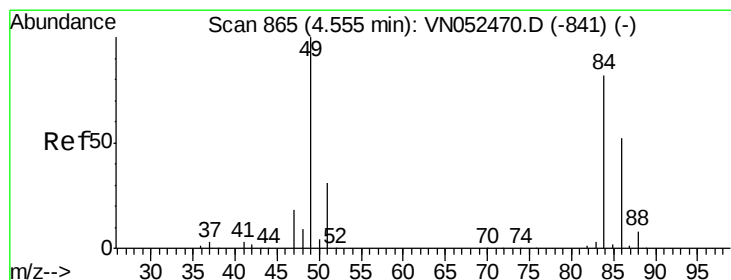
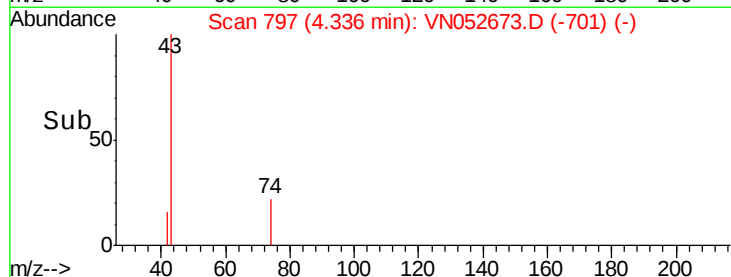
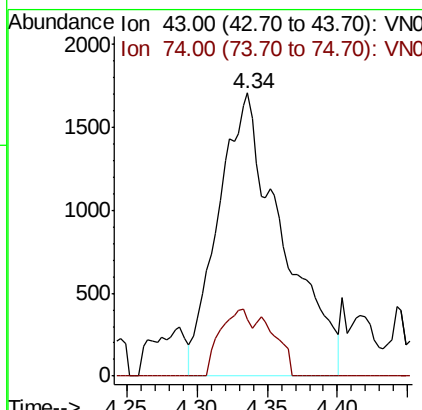
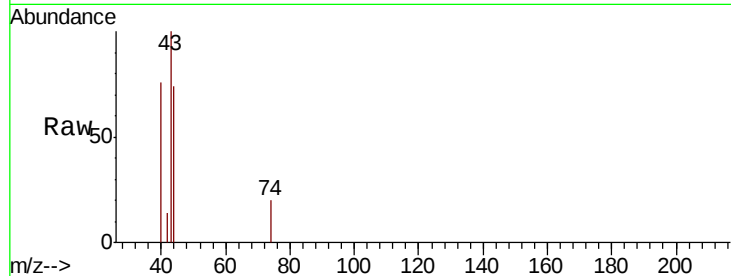




#18
Methvl Acetate
Concen: 0.560 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

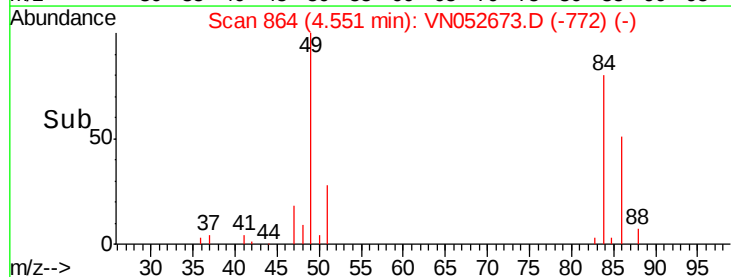
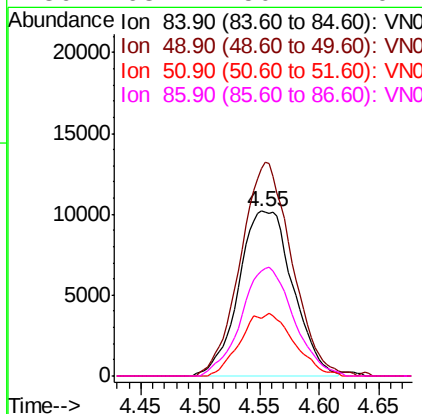
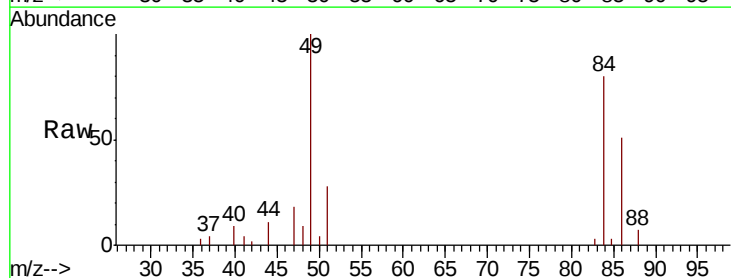
Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#04

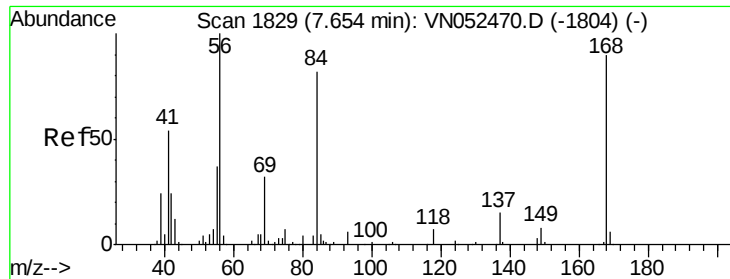
Tot Ion: 43 Resp: 5398
Ion Ratio Lower Upper
43 100
74 11.1 18.6 27.8#



#20
Methylene Chloride
Concen: 2.437 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

Tgt Ion: 84 Resp: 32064
Ion Ratio Lower Upper
84 100
49 125.5 98.0 147.0
51 35.1 30.1 45.1
86 63.7 50.7 76.1





#31

Cyclohexane

Concen: 0.573 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

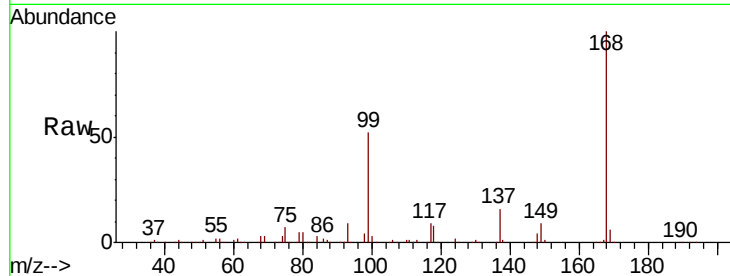
Tot Ion: 56 Resp: 20493

Ion Ratio Lower Upper

56 100

69 200.6 25.8 38.6#

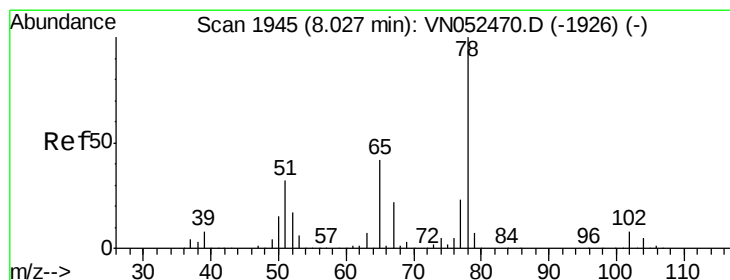
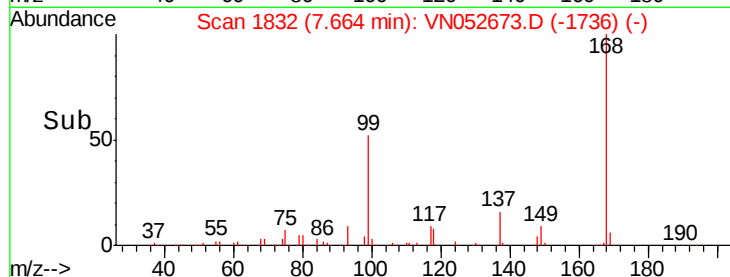
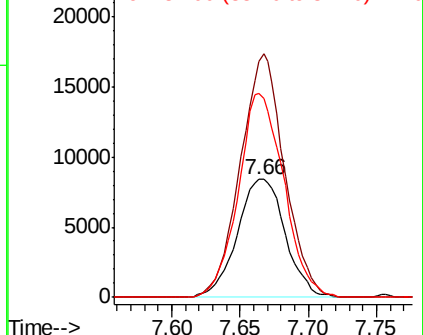
84 173.3 65.3 97.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052673.D

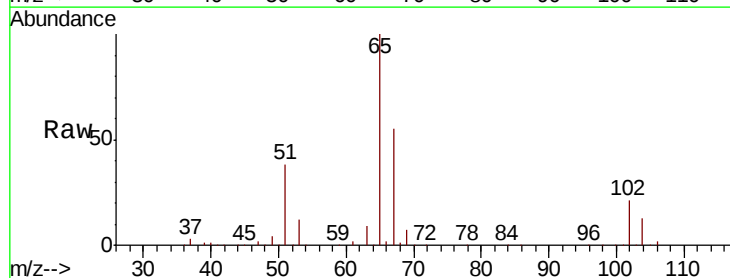
Acq: 5 Dec 2018 13:46

Tgt Ion: 65 Resp: 616133

Ion Ratio Lower Upper

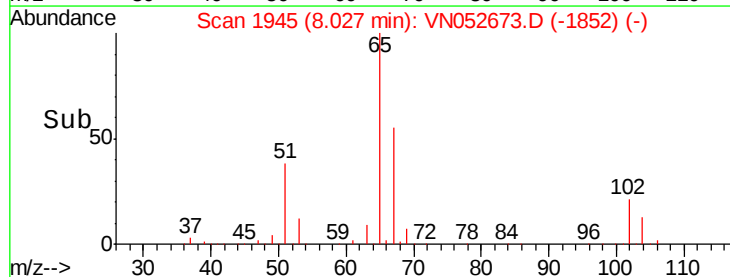
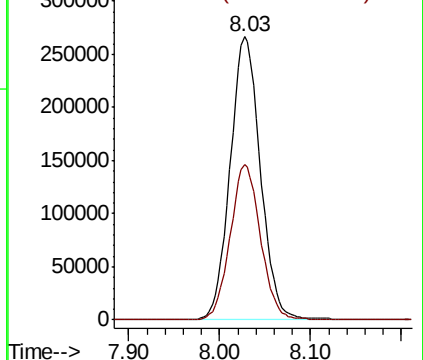
65 100

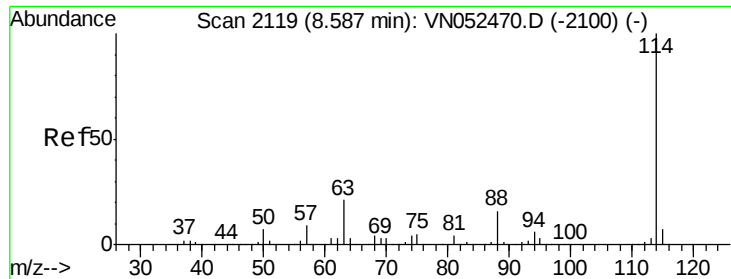
67 55.0 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

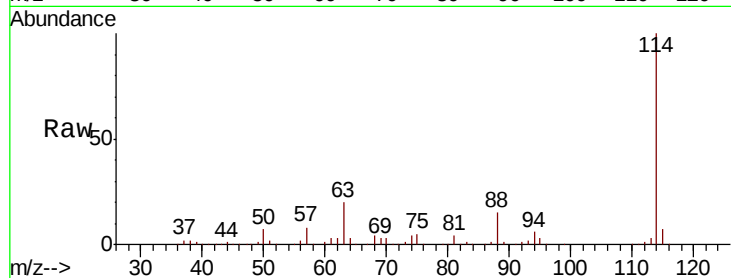




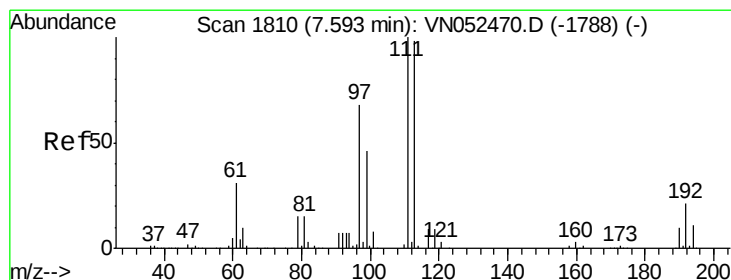
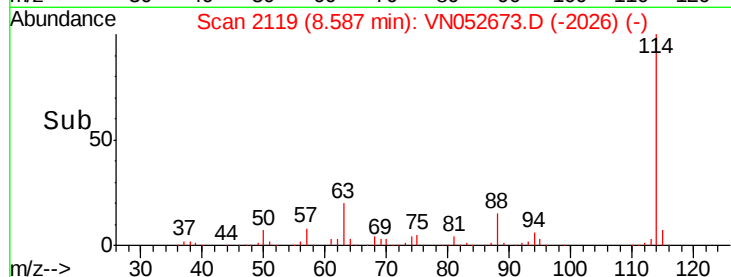
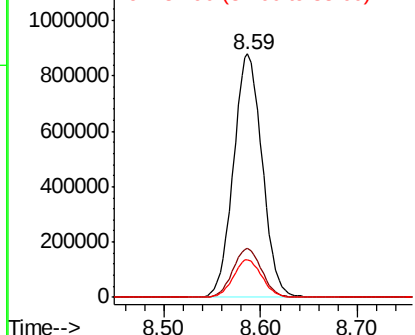
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#04

Tot Ion:114 Resp: 1812801
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.4 0.0 31.6

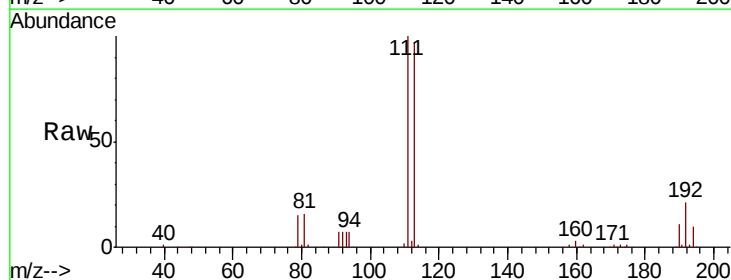


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

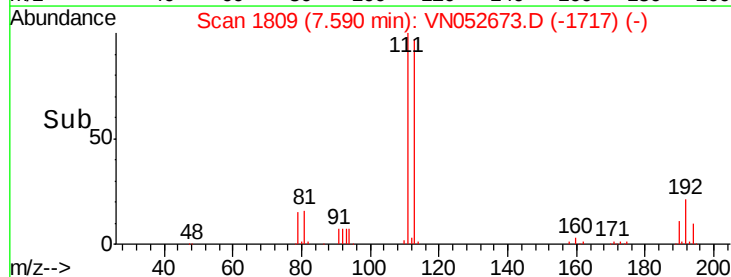
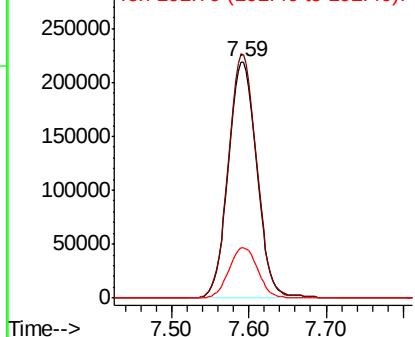


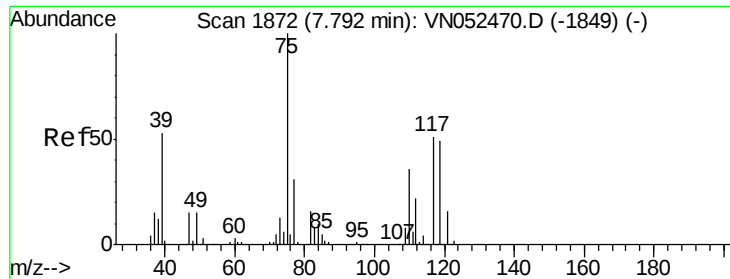
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

Tgt Ion:113 Resp: 558223
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 21.6 17.0 25.6



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

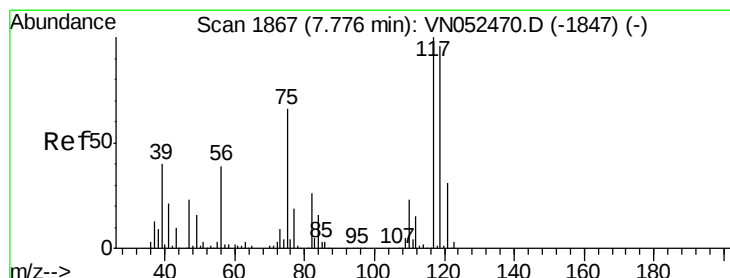
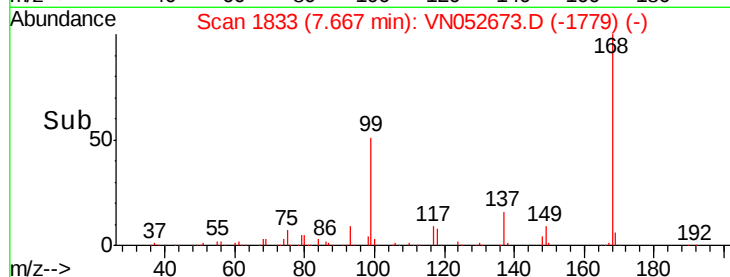
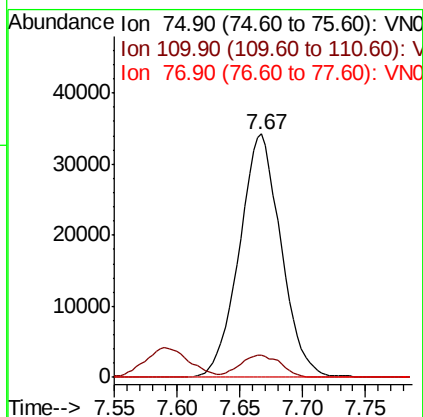
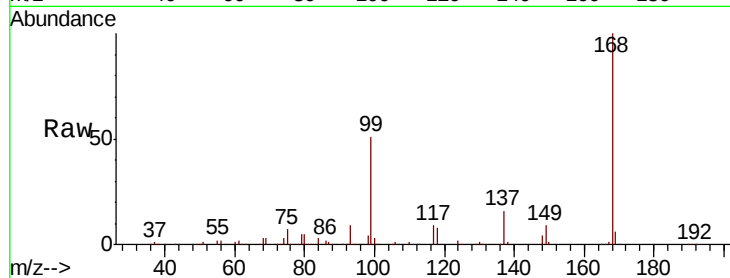




#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

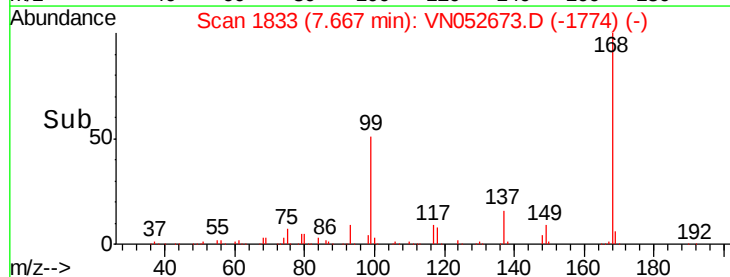
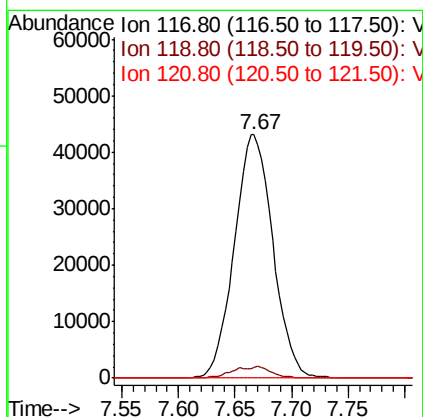
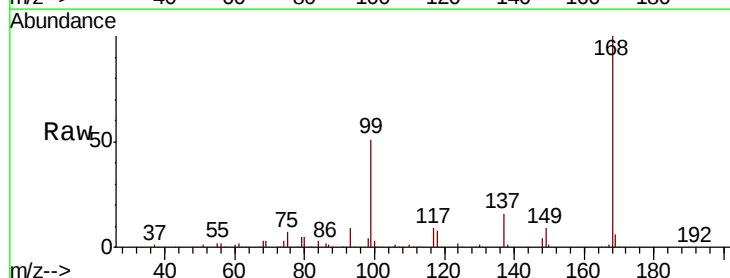
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#04

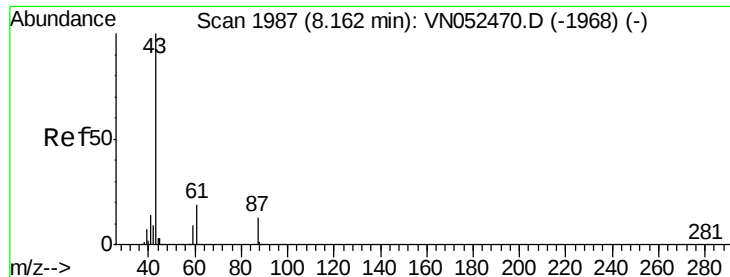
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.600 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 3.013 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

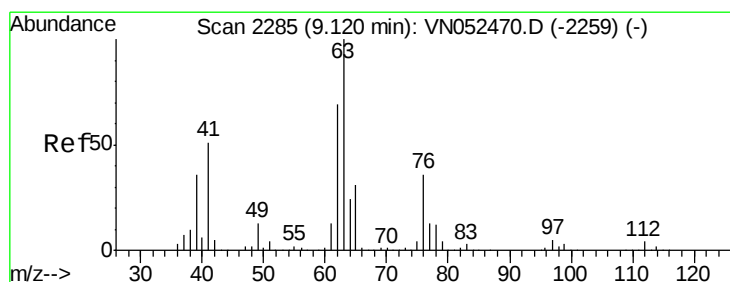
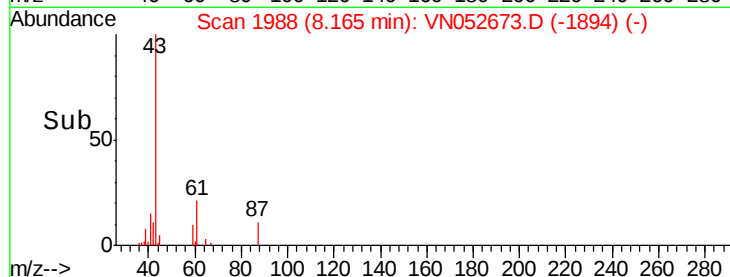
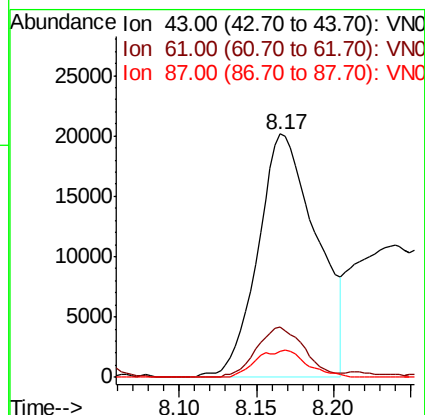
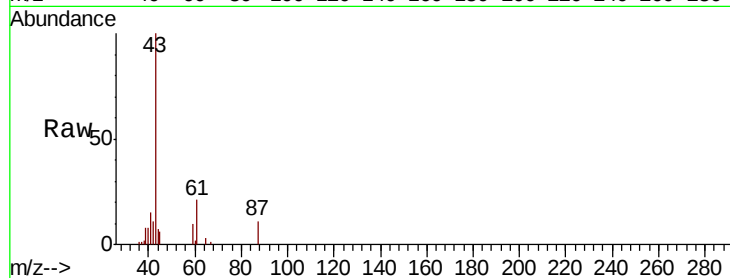
Tot Ion: 43 Resp: 53266

Ion Ratio Lower Upper

43 100

61 16.9 24.1 36.1#

87 9.6 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.234 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052673.D

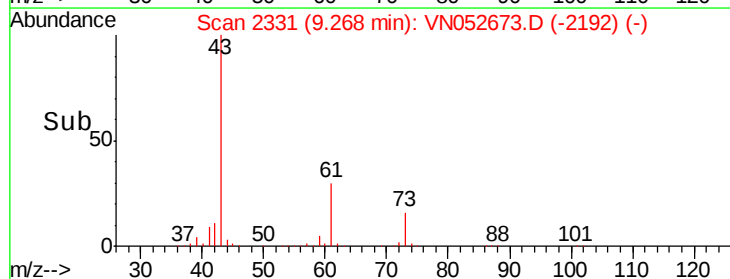
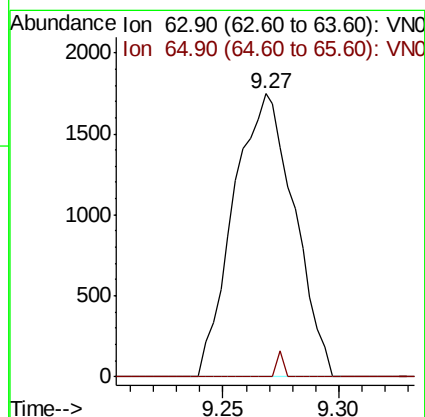
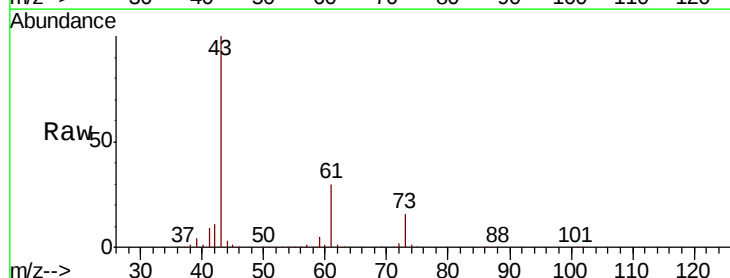
Acq: 5 Dec 2018 13:46

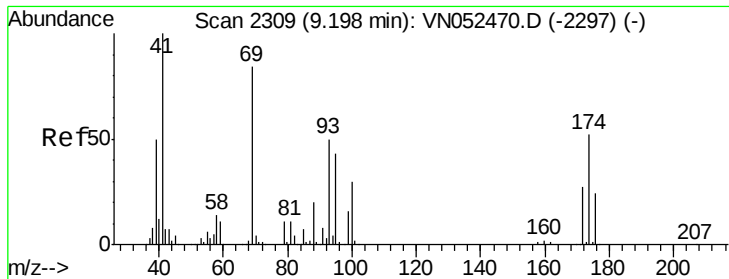
Tgt Ion: 63 Resp: 3180

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#

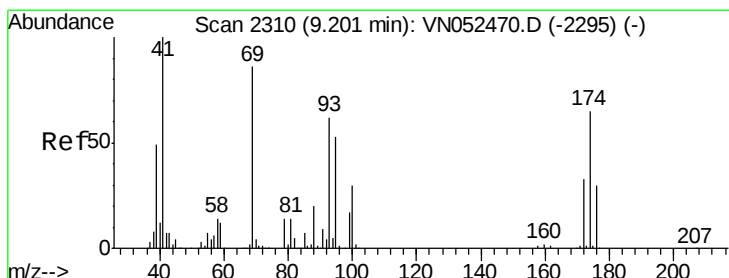
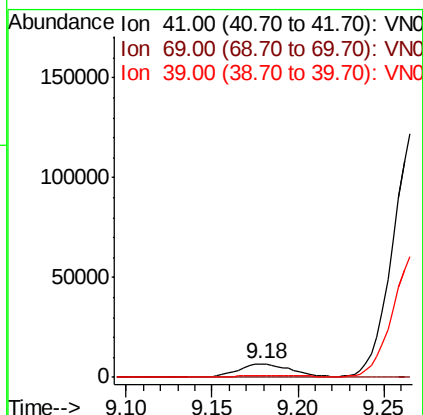
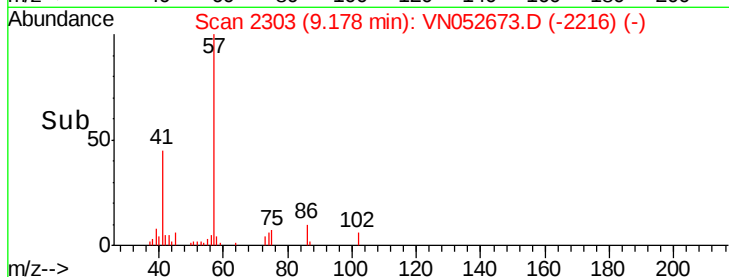
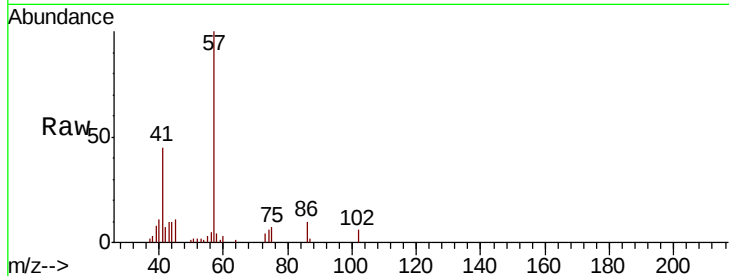




#48
Methvl methacrylate
Concen: 1.605 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

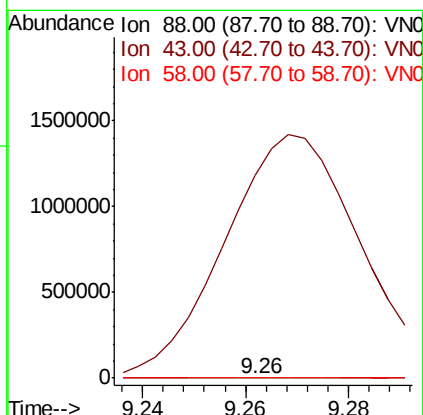
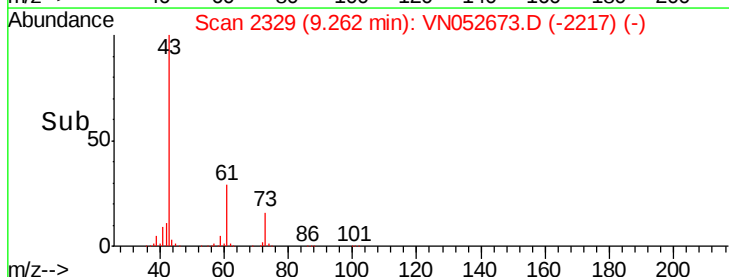
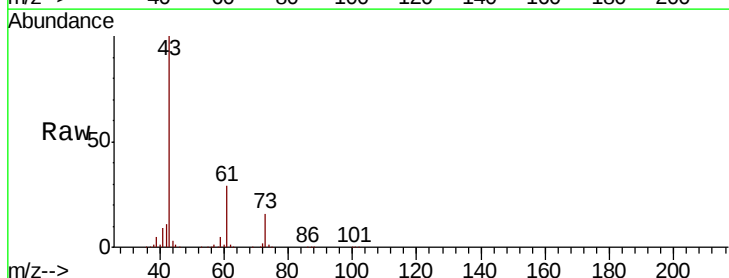
Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#04

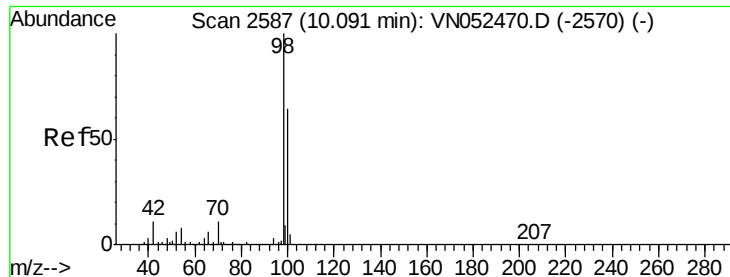
Tot Ion: 41 Resp: 14797
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 2.404 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 1154984.3 26.4 39.6#
58 5336.1 55.4 83.0#





#50

Toluene-d8

Concen: 2.404 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

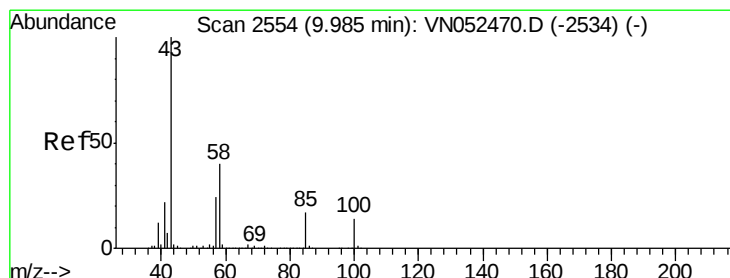
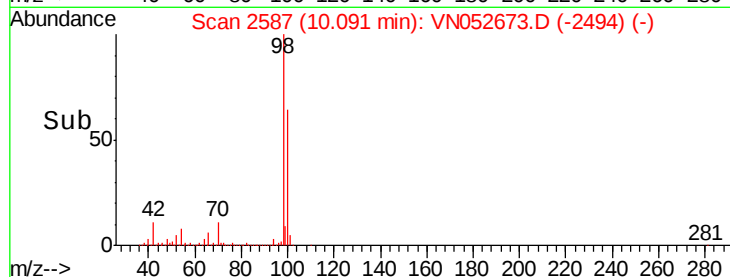
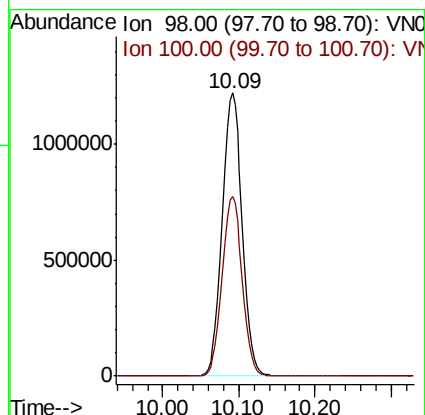
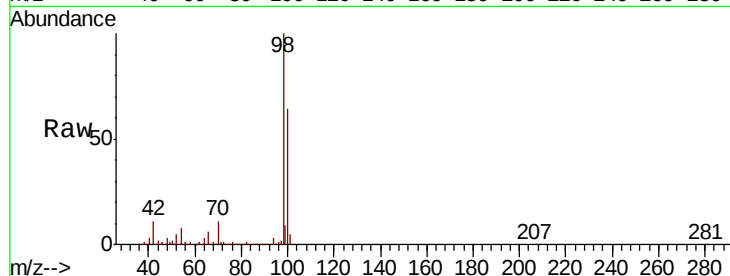
PB115330ZHE#04

Tot Ion: 98 Resp: 2227721

Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.720 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052673.D

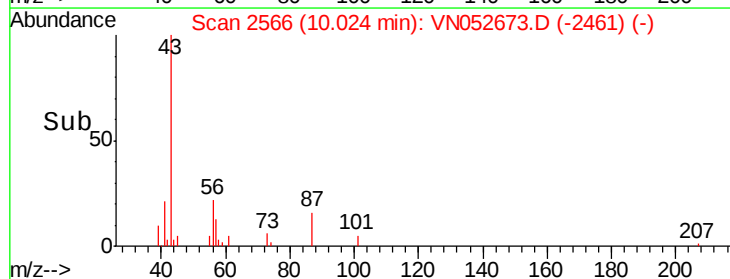
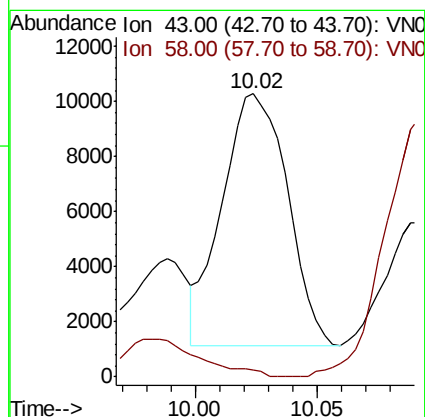
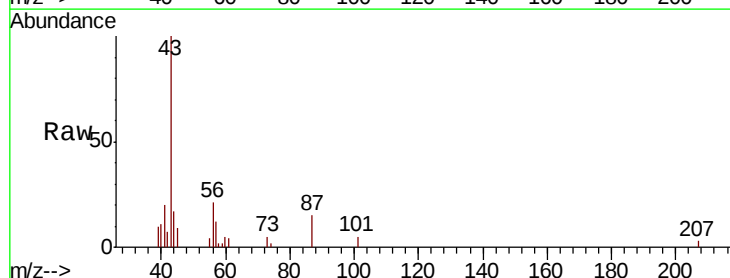
Acq: 5 Dec 2018 13:46

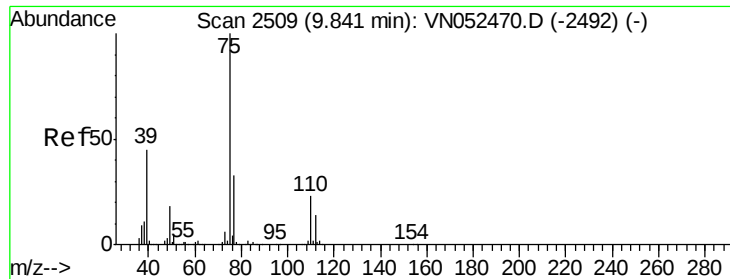
Tgt Ion: 43 Resp: 17065

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.566 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

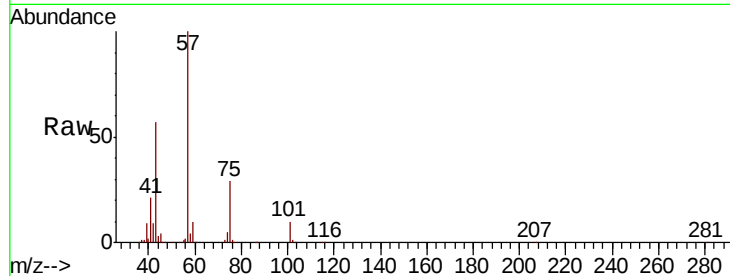
Tot Ion: 75 Resp: 123569

Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

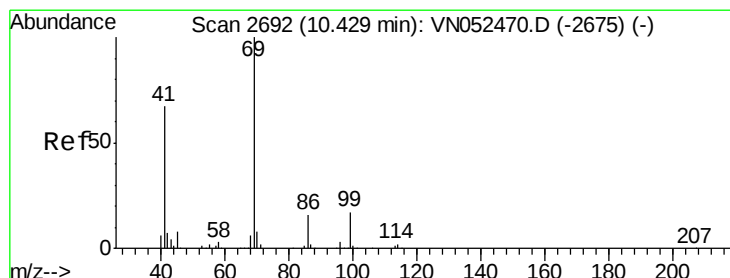
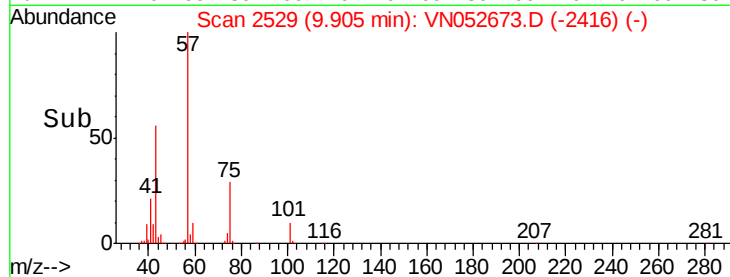
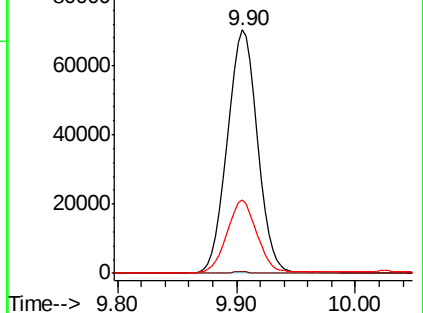
39 30.4 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.806 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

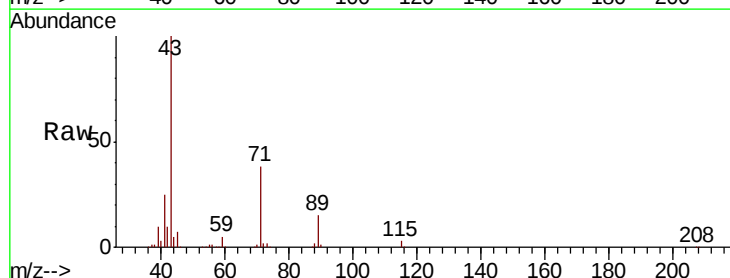
Tgt Ion: 69 Resp: 1769

Ion Ratio Lower Upper

69 100

41 5550.7 52.6 79.0#

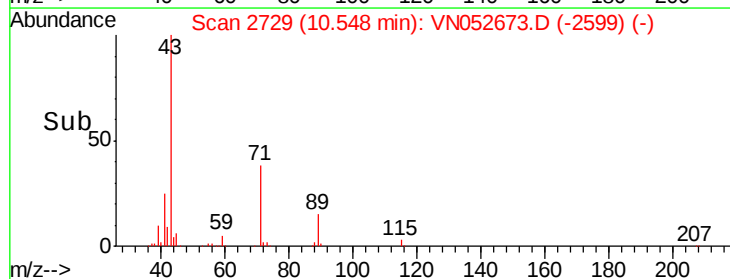
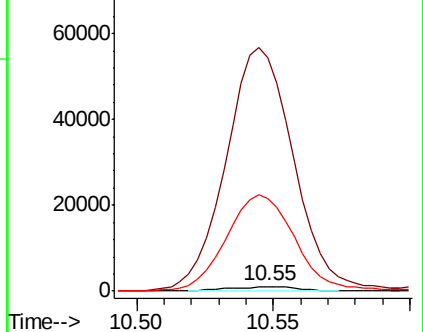
39 2171.1 25.9 38.9#

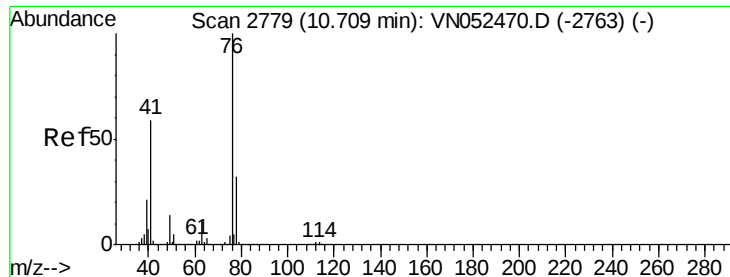


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

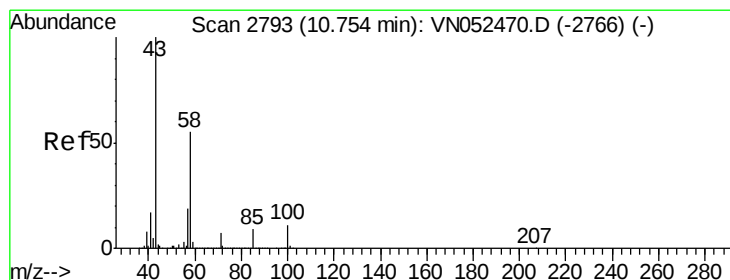
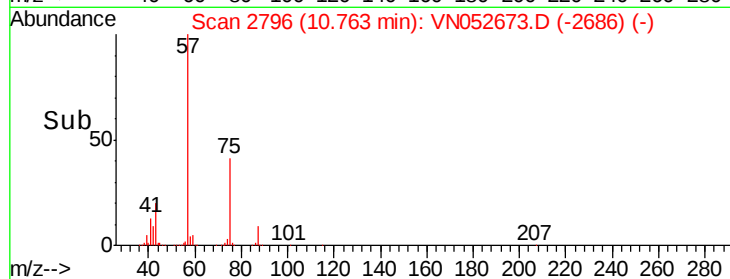
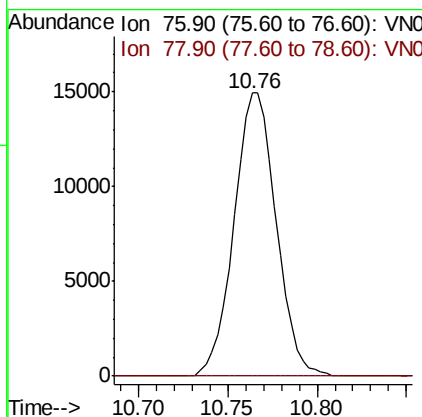
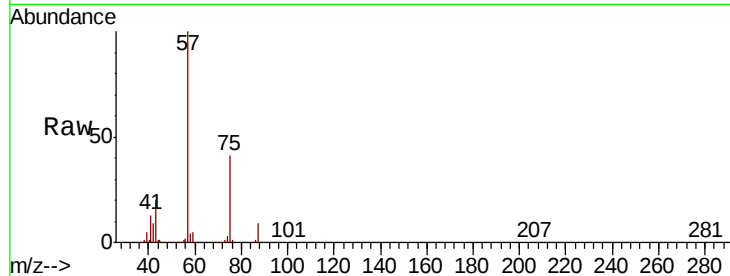




#57
 1,3-Dichloropropane
 Concen: 1.310 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

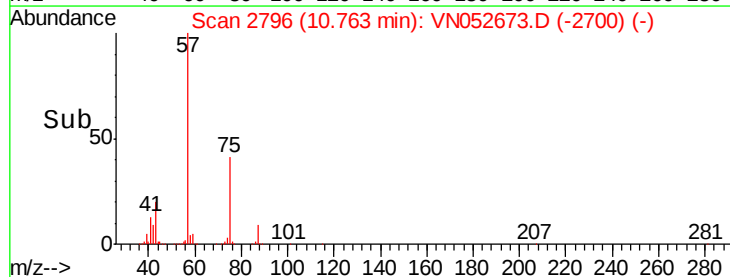
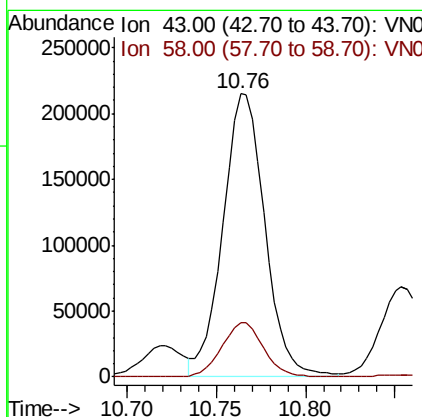
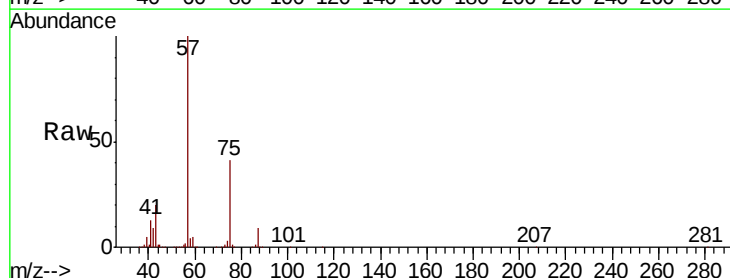
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#04

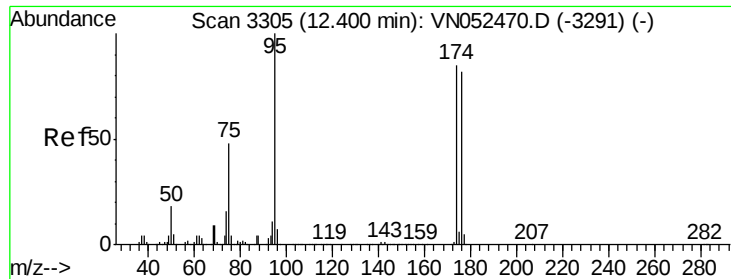
Tot Ion: 76 Resp: 24667
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 52.576 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

Tgt Ion: 43 Resp: 350039
 Ion Ratio Lower Upper
 43 100
 58 19.3 27.4 82.0#

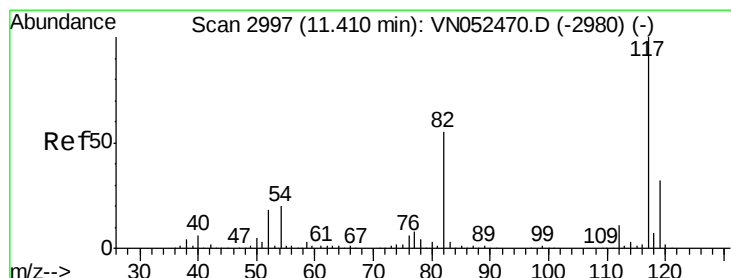
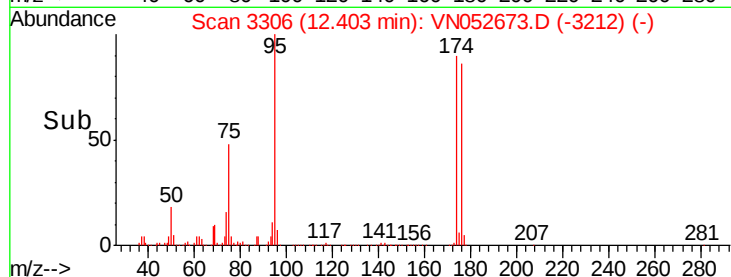
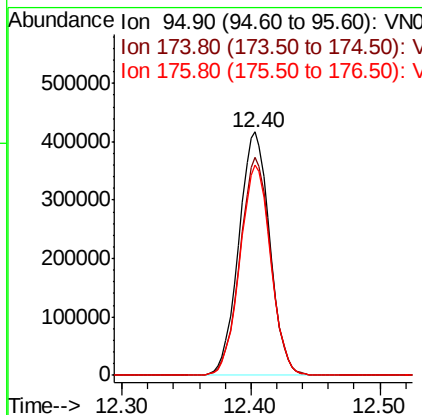
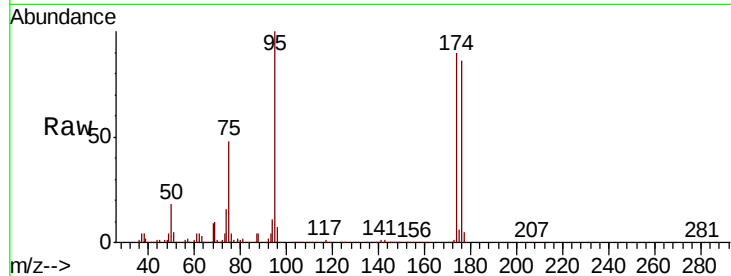




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

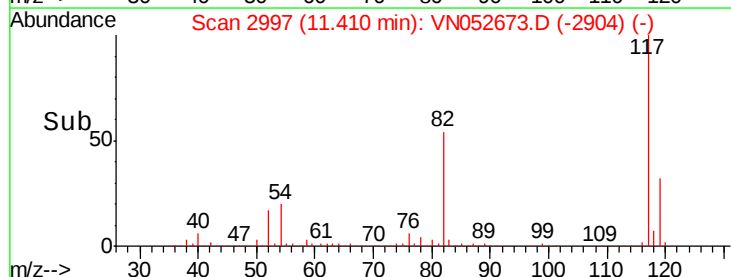
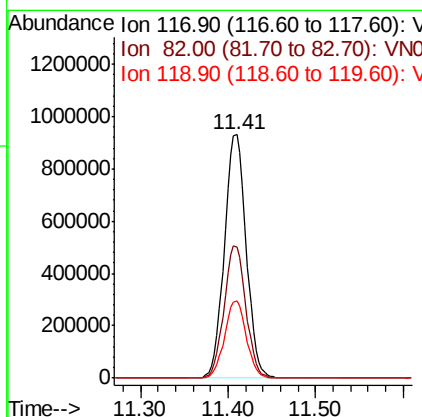
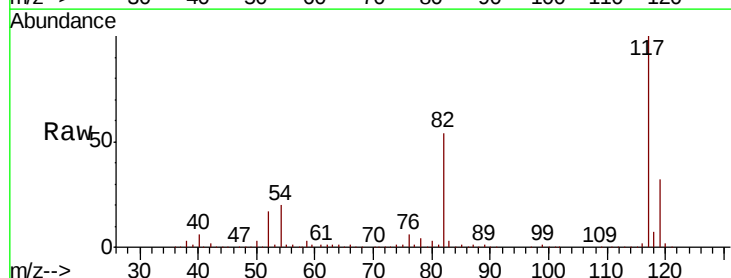
Instrument :
MSVOA_N
ClientSampleId :
PB115330ZHE#04

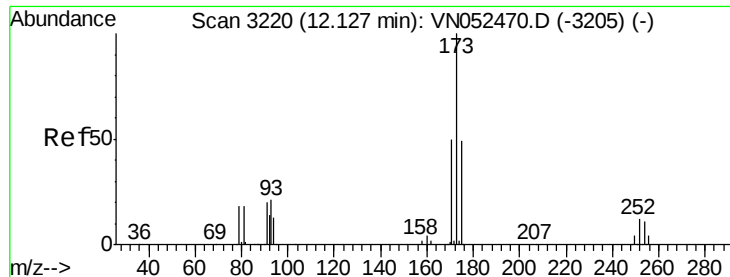
Tot Ion: 95 Resp: 695318
Ion Ratio Lower Upper
95 100
174 88.6 0.0 173.0
176 85.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052673.D
Acq: 5 Dec 2018 13:46

Tgt Ion: 117 Resp: 1611625
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 31.6 25.4 38.2





#71

Bromoform

Concen: 0.600 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

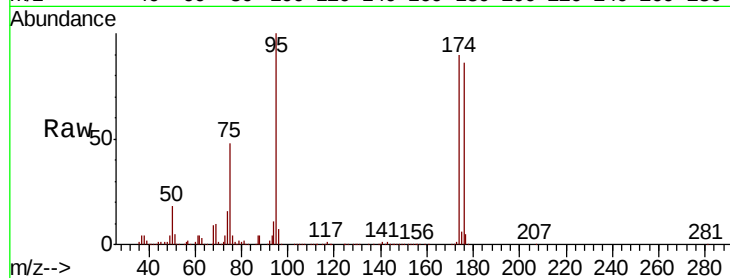
Tot Ion:173 Resp: 4592

Ion Ratio Lower Upper

173 100

175 816.6 24.4 73.2#

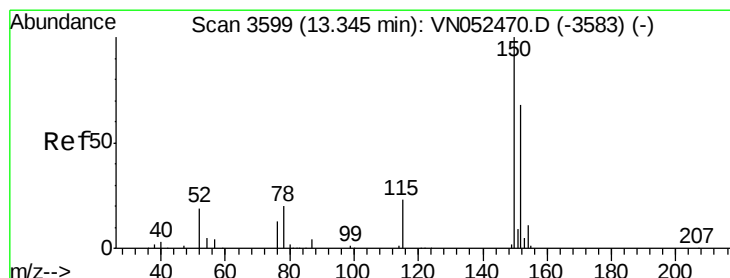
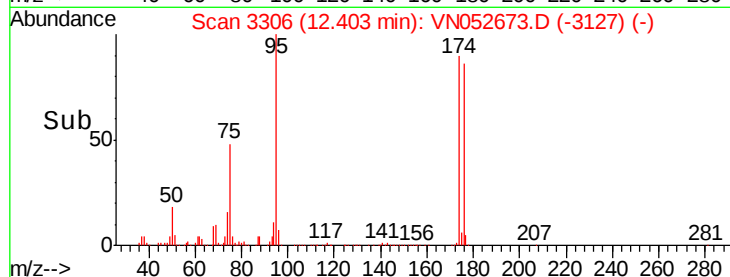
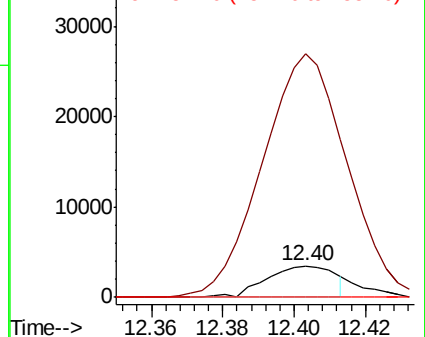
254 0.0 0.1 0.1#



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: VN052673.D

Acq: 5 Dec 2018 13:46

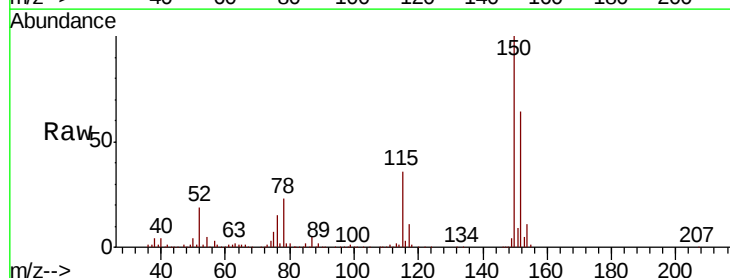
Tgt Ion:152 Resp: 599886

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

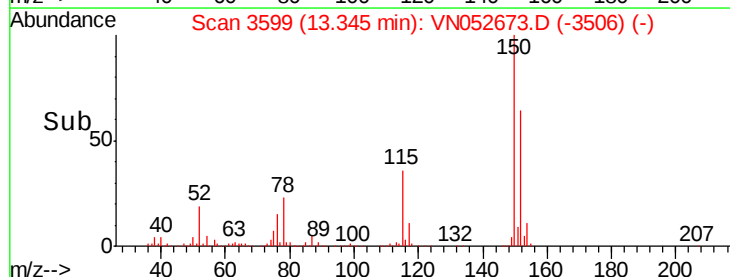
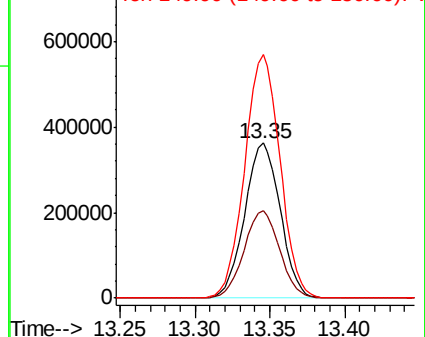
150 156.4 0.0 346.0

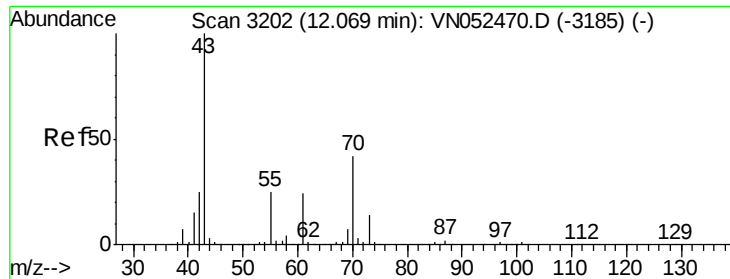


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 3.361 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

Tot Ion: 43 Resp: 39969

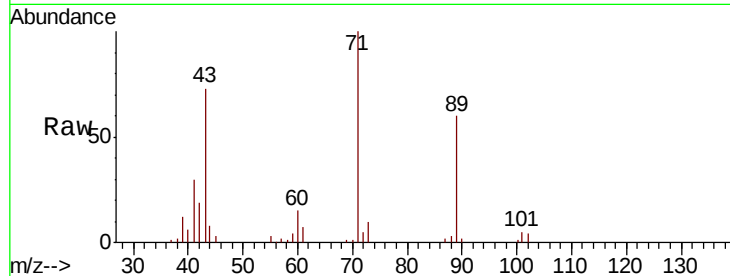
Ion Ratio Lower Upper

43 100

70 1.6 33.8 50.8#

55 3.9 20.0 30.0#

61 10.0 19.7 29.5#

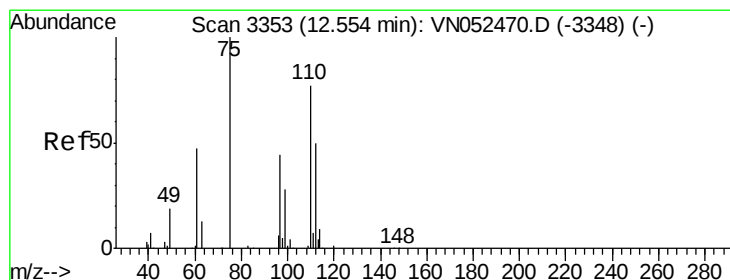
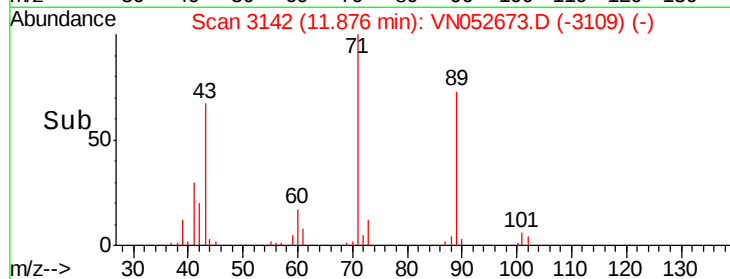
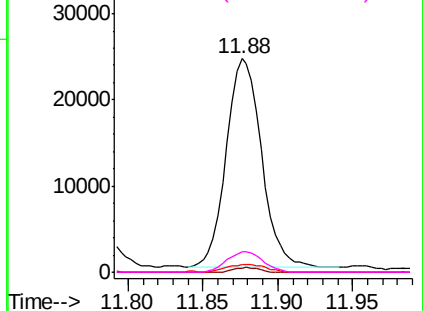


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 36.350 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052673.D

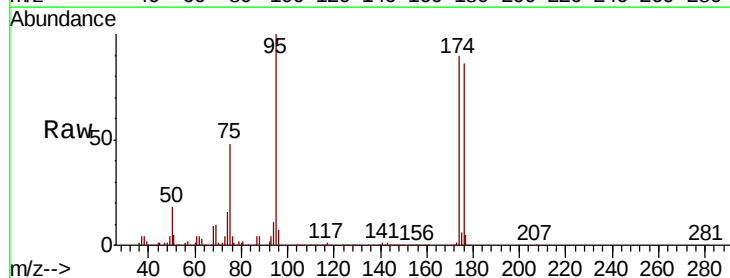
Acq: 5 Dec 2018 13:46

Tgt Ion: 75 Resp: 336261

Ion Ratio Lower Upper

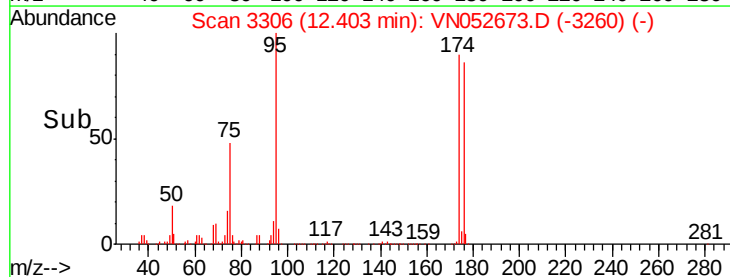
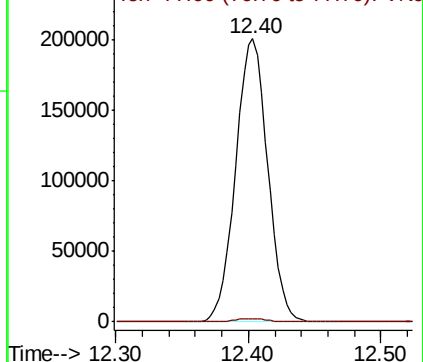
75 100

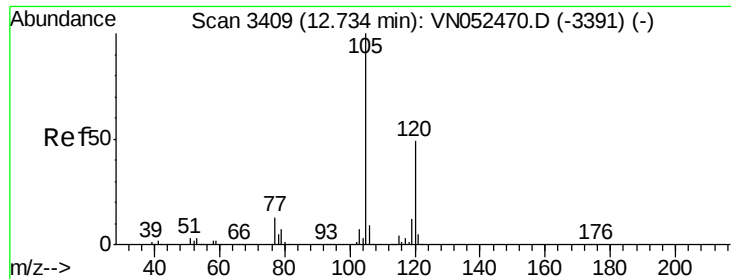
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.210 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

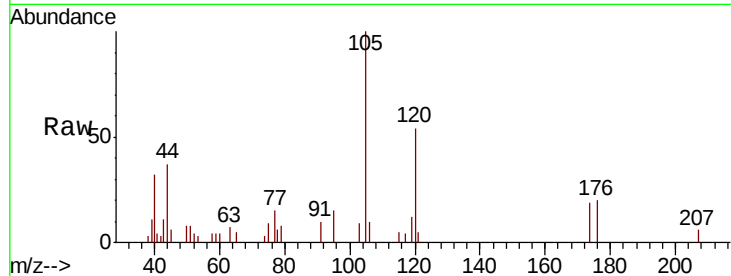
PB115330ZHE#04

Tot Ion:105 Resp: 7892

Ion Ratio Lower Upper

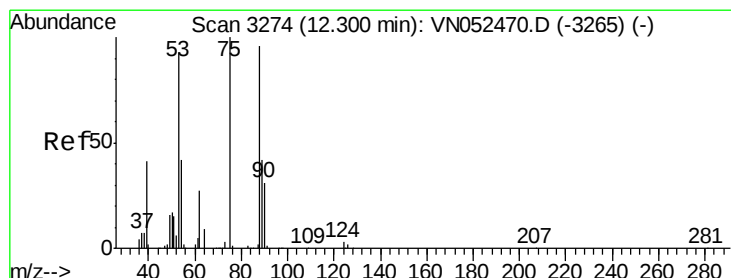
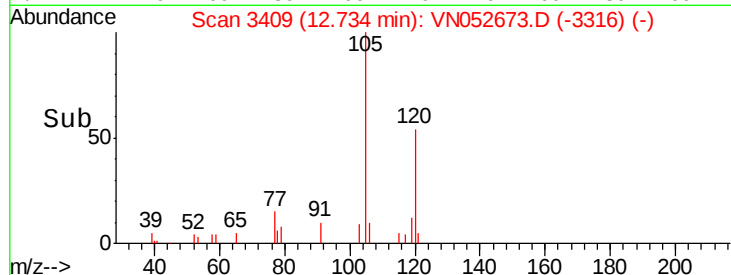
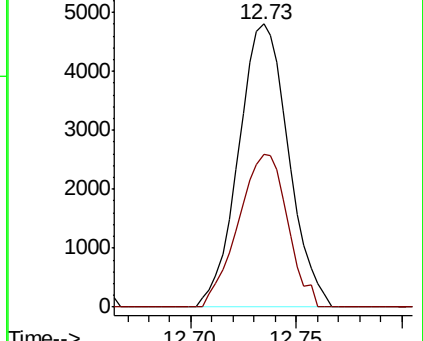
105 100

120 53.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 121.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

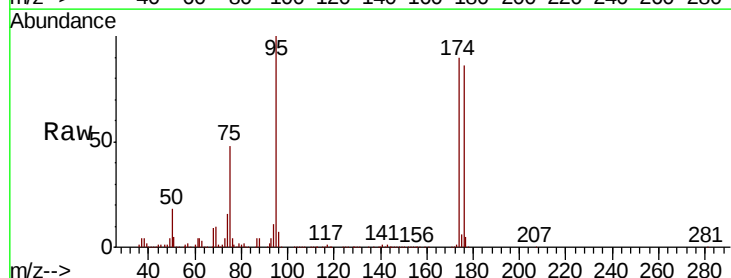
Tgt Ion: 75 Resp: 336261

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

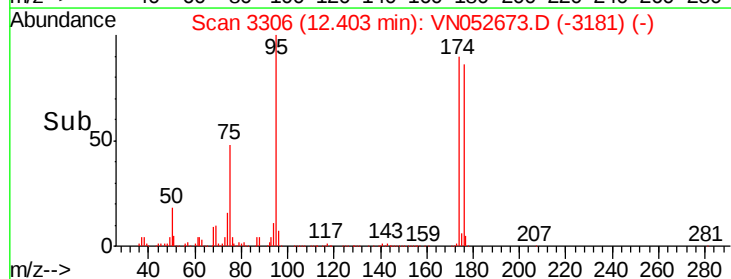
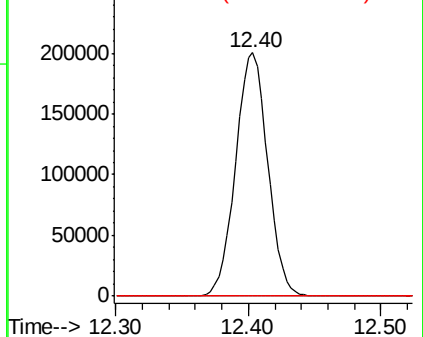
89 0.0 35.4 53.2#

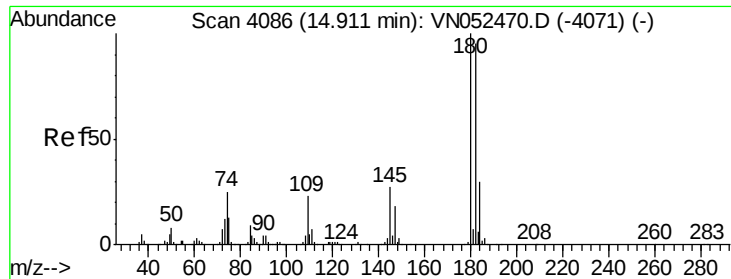


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2,4-Trichlorobenzene

Concen: 2.845 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB115330ZHE#04

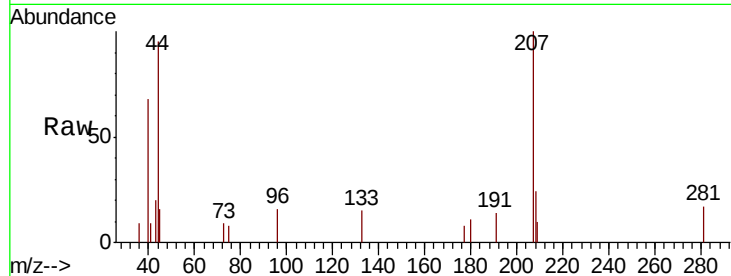
Tot Ion:180 Resp: 179

Ion Ratio Lower Upper

180 100

182 96.6 47.8 143.4

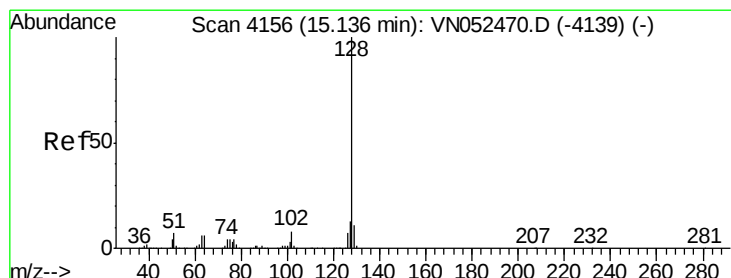
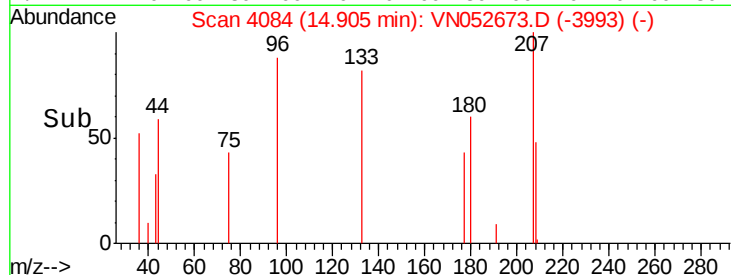
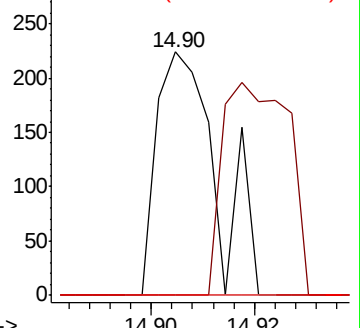
145 0.0 14.1 42.3#



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



#95

Naphthalene

Concen: 3.463 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052673.D

Acq: 5 Dec 2018 13:46

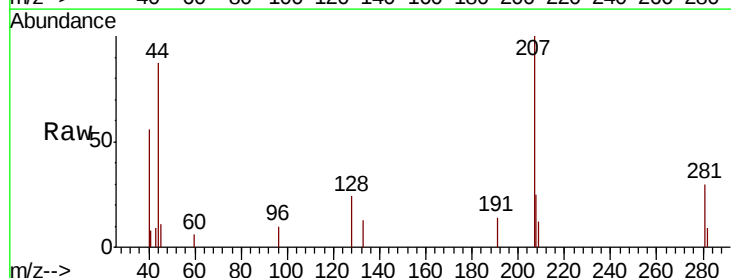
Tgt Ion:128 Resp: 835

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

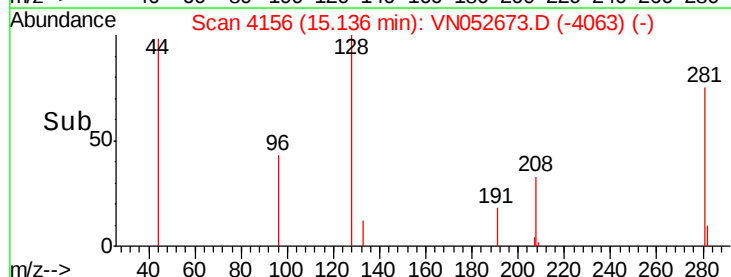
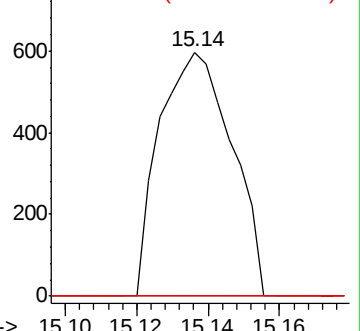
129 0.0 8.7 13.1#

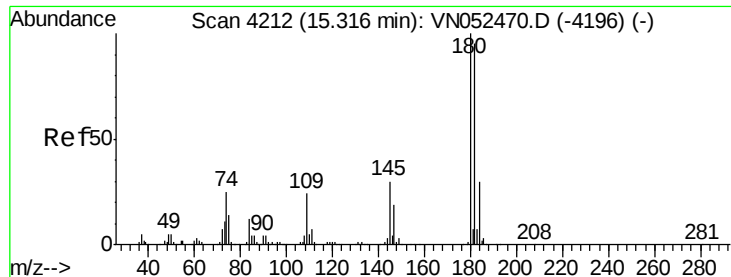


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.753 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052673.D
 Acq: 5 Dec 2018 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115330ZHE#04

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.6	47.8	143.3
145	0.0	15.2	45.5

