

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052872.D
 Acq On : 13 Dec 2018 18:41
 Operator : MD\SY
 Sample : PB115614ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#03

Quant Time: Dec 14 01:42:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1277621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1963190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1723094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	673197	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	640061	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	7.59	113	557420	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.09	98	2384731	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	768834	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

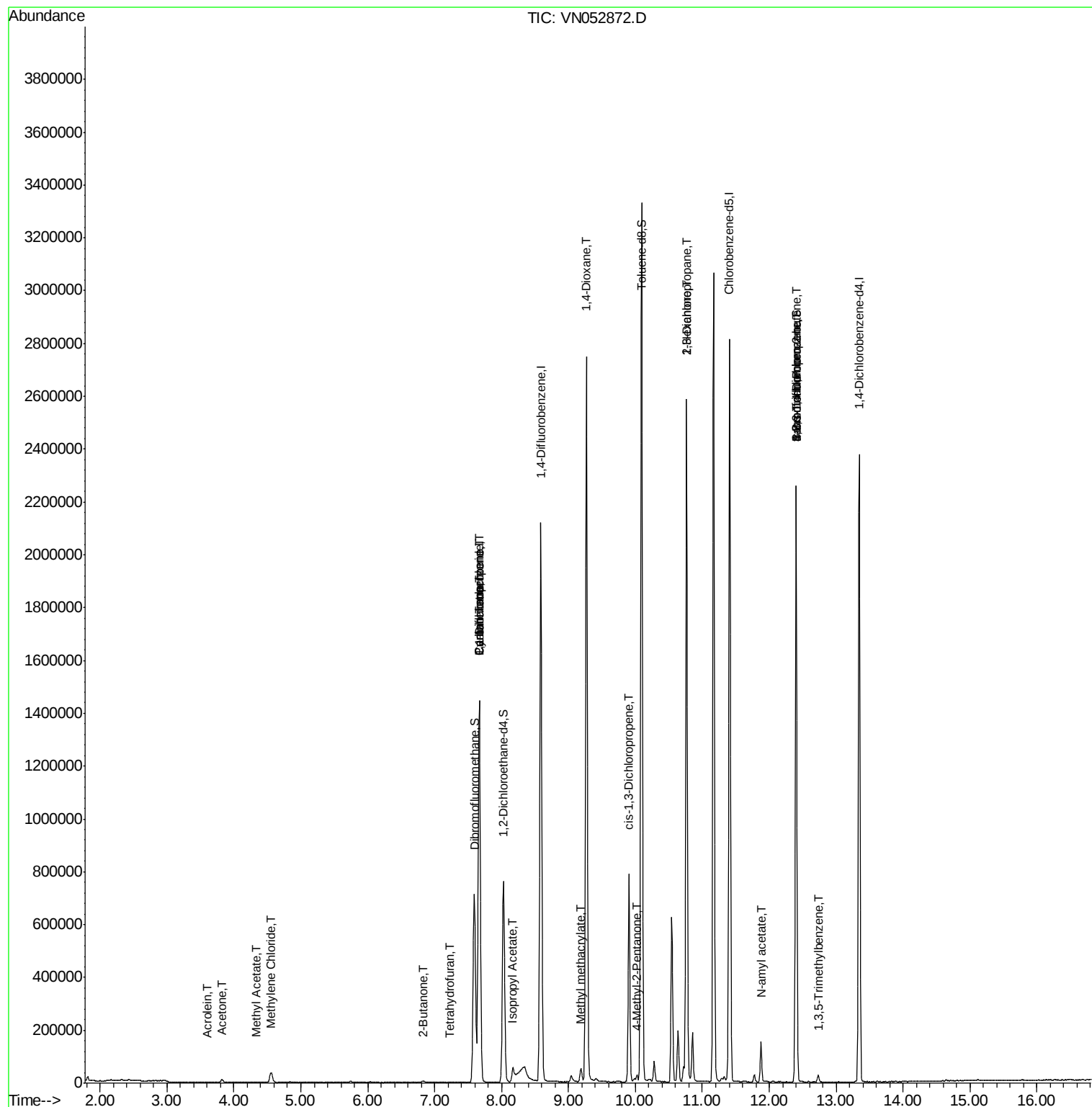
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	221	0.309	ug/l #	51
16) Acetone	3.82	43	18433	6.042	ug/l	95
18) Methyl Acetate	4.33	43	2455	0.219	ug/l #	57
20) Methylene Chloride	4.56	84	28844	2.101	ug/l	97
25) 2-Butanone	6.84	43	3122	0.659	ug/l #	82
29) Tetrahydrofuran	7.22	42	894	0.277	ug/l	94
31) Cyclohexane	7.66	56	21374	0.352	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	84541	4.676	ug/l #	48
38) Carbon Tetrachloride	7.67	117	111956	6.728	ug/l #	16
43) Isopropyl Acetate	8.17	43	70932	3.186	ug/l #	79
48) Methyl methacrylate	9.18	41	17172	1.759	ug/l #	12
49) 1,4-Dioxane	9.27	88	388	3.501	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	19090	1.870	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	144234	7.038	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	26461	1.315	ug/l #	43
59) 2-Hexanone	10.76	43	374822	53.567	ug/l #	50
71) Bromoform	12.40	173	4966	0.588	ug/l #	1
74) N-amyl acetate	11.88	43	47733	3.459	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	362270	36.474	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	12783	0.315	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	362270	117.172	ug/l #	12

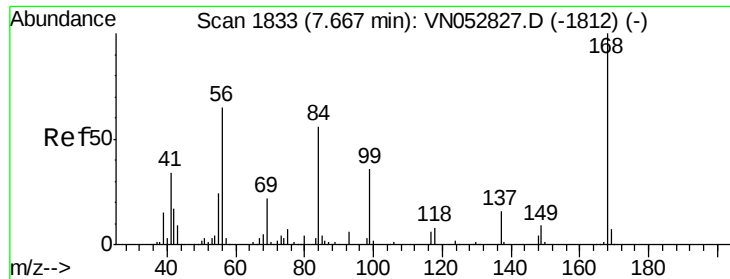
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 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: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

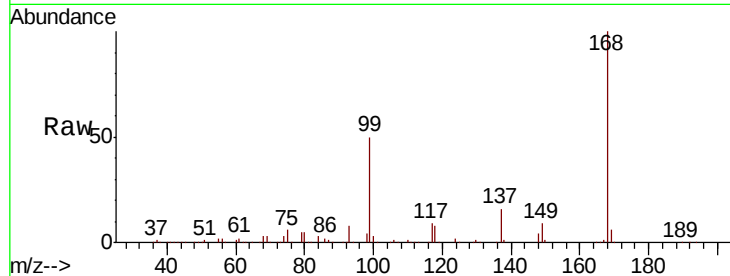
PB115614ZHE#03

Tot Ion:168 Resp: 1277621

Ion Ratio Lower Upper

168 100

99 50.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052872.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052872.D (-1740) (-)

7.67

600000

500000

400000

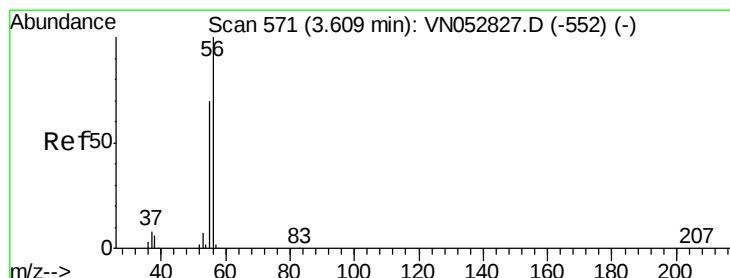
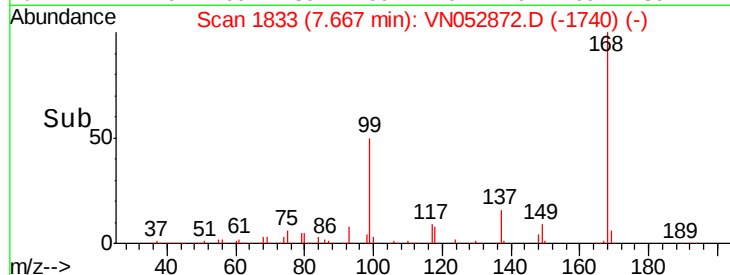
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.309 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052872.D

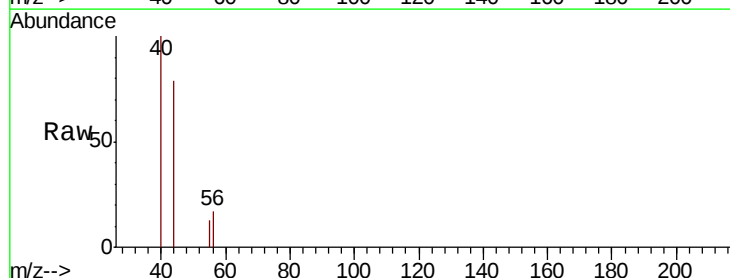
Acq: 13 Dec 2018 18:41

Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 30.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052872.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052872.D (-478) (-)

3.61

250

200

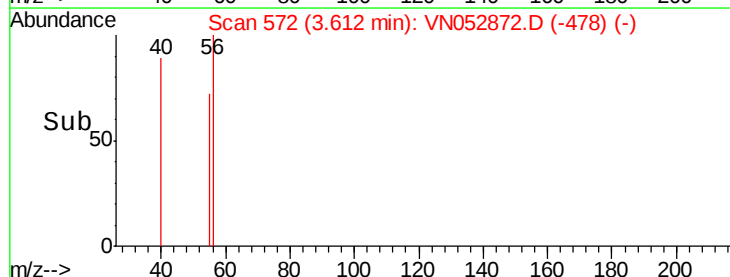
150

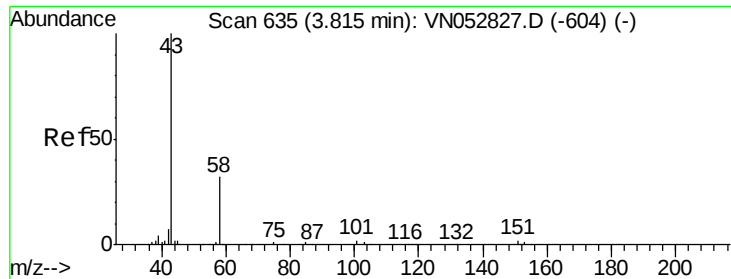
100

50

0

Time-->

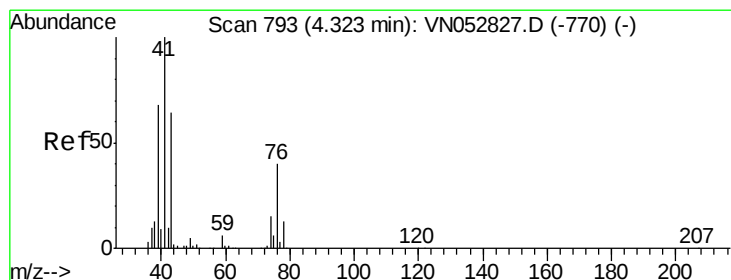
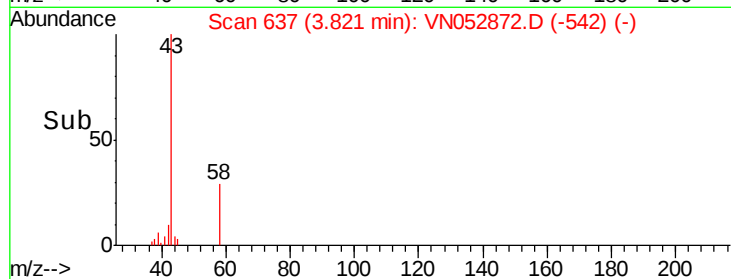
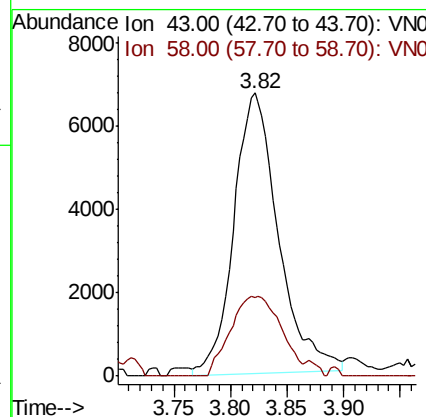
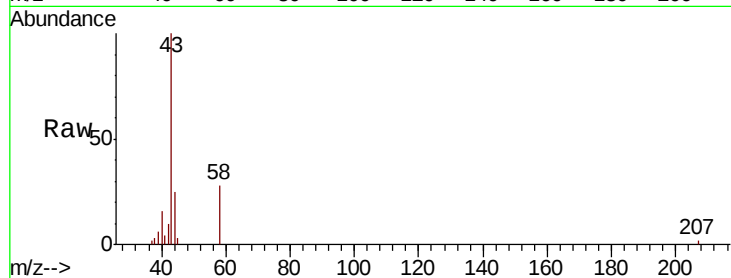




#16
Acetone
Concen: 6.042 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

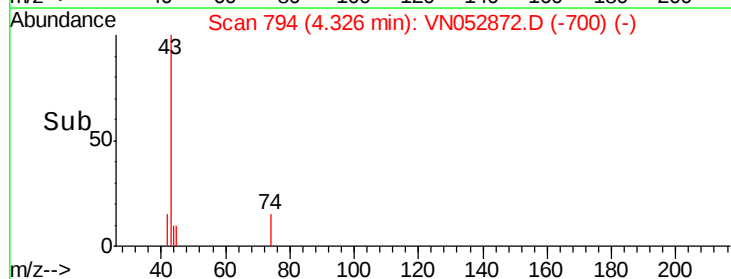
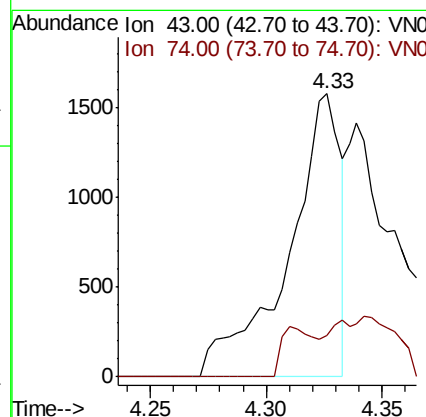
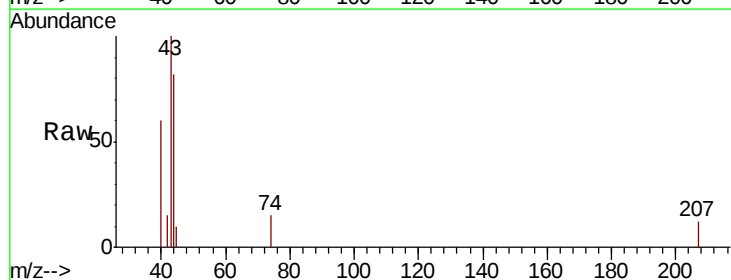
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#03

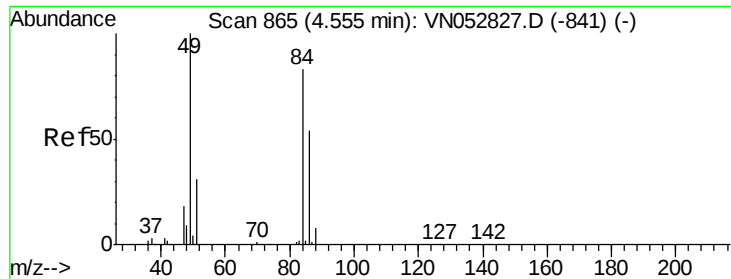
Tot Ion: 43 Resp: 18433
Ion Ratio Lower Upper
43 100
58 28.7 25.4 38.0



#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
74 2.7 19.2 28.8#

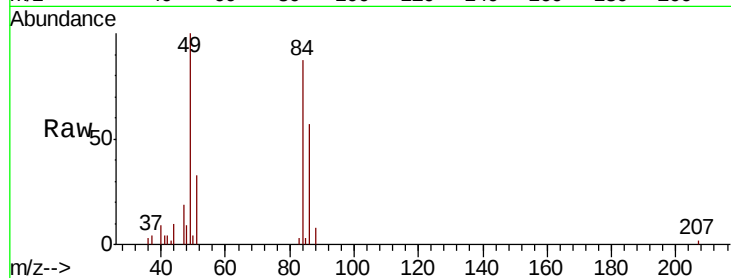




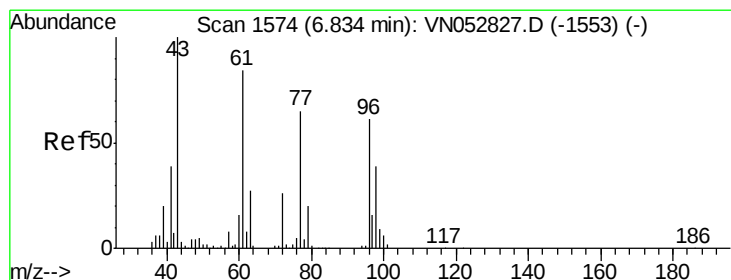
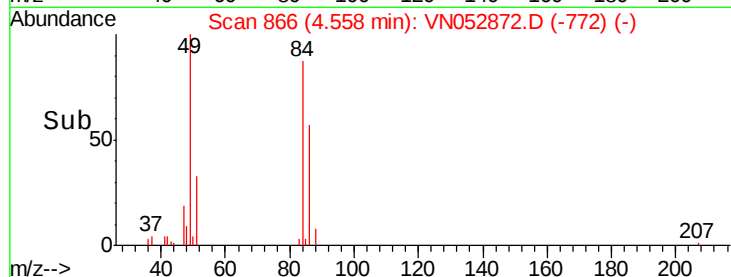
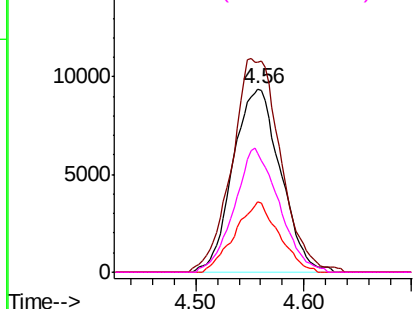
#20
Methvlene Chloride
Concen: 2.101 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#03

Tot Ion: 84 Resp: 28844
Ion Ratio Lower Upper
84 100
49 114.7 96.8 145.2
51 38.2 29.9 44.9
86 65.1 51.8 77.6

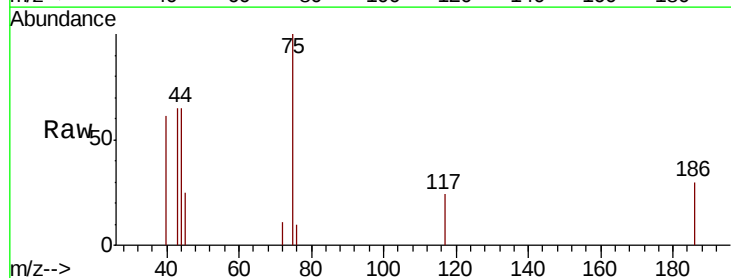


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

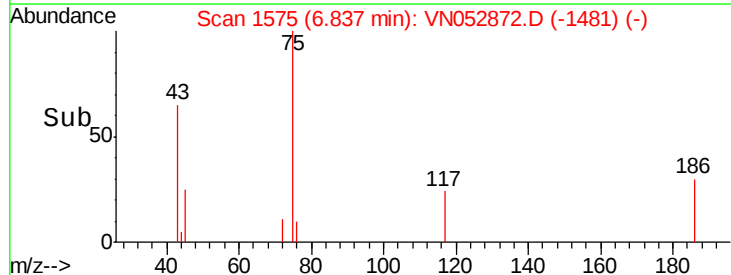
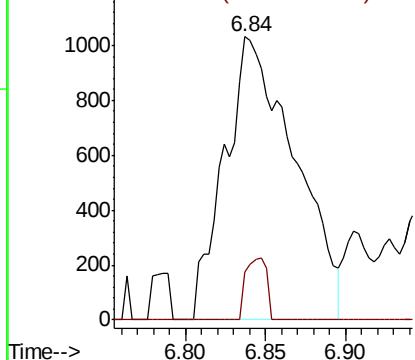


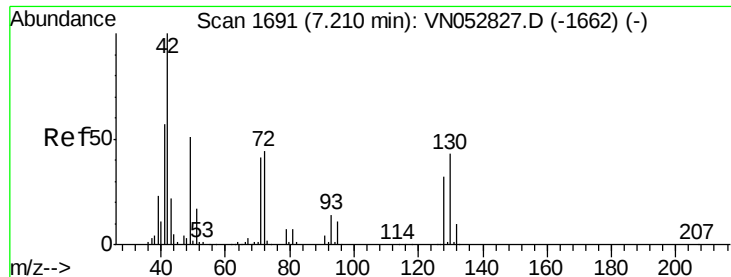
#25
2-Butanone
Concen: 0.659 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
72 17.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#03

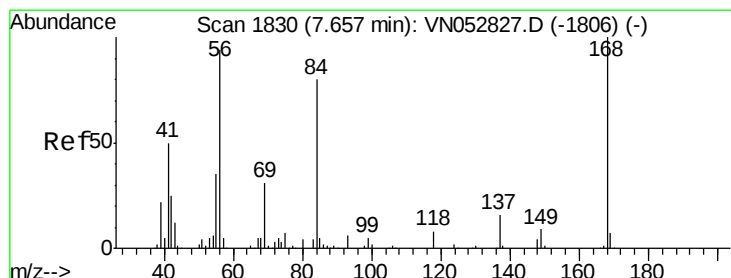
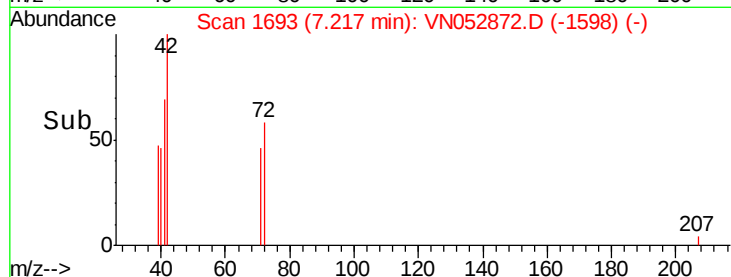
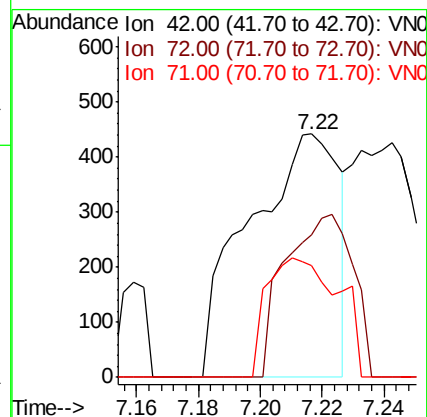
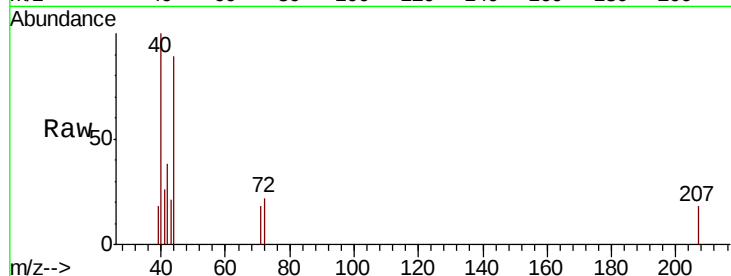
Tot Ion: 42 Resp: 894

Ion Ratio Lower Upper

42 100

72 50.2 34.7 52.1

71 39.3 32.3 48.5



#31

Cyclohexane

Concen: 0.352 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

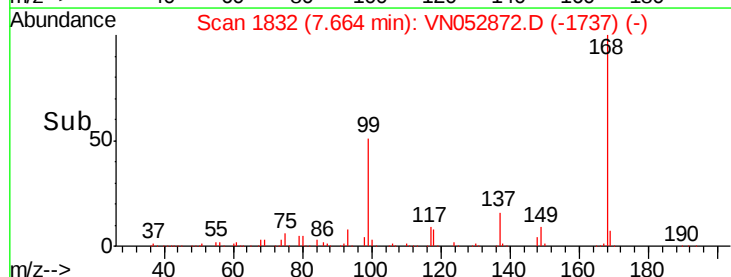
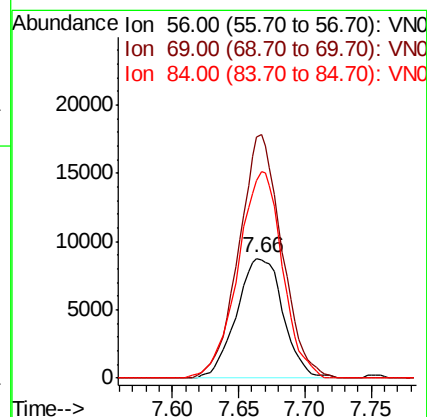
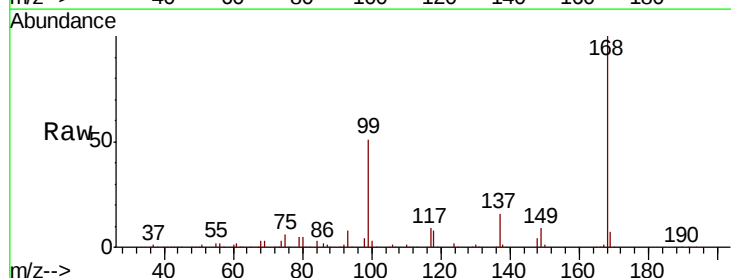
Tgt Ion: 56 Resp: 21374

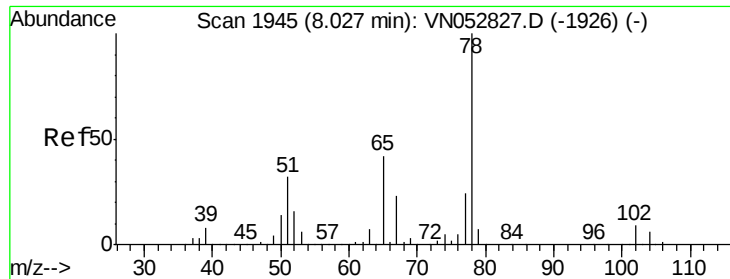
Ion Ratio Lower Upper

56 100

69 200.7 26.6 39.8#

84 164.4 68.4 102.6#

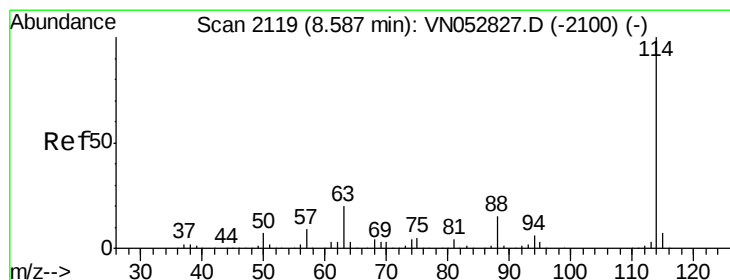
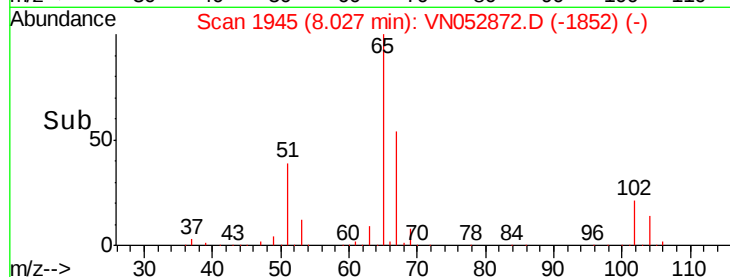
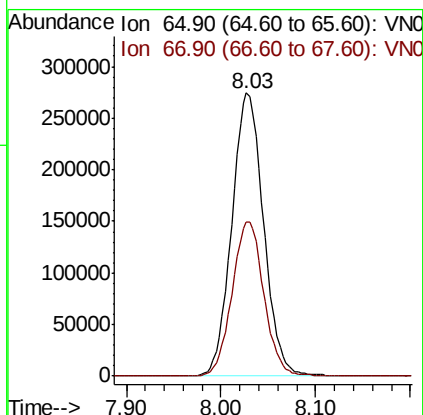
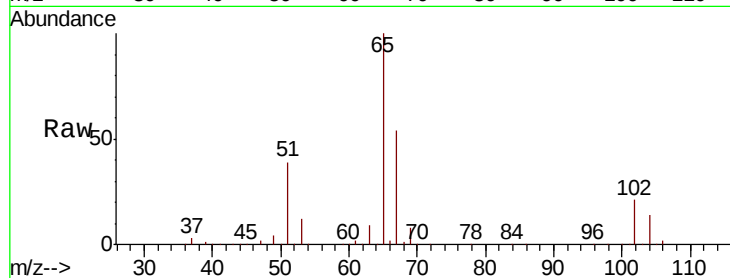




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052872.D
 Acq: 13 Dec 2018 18:41

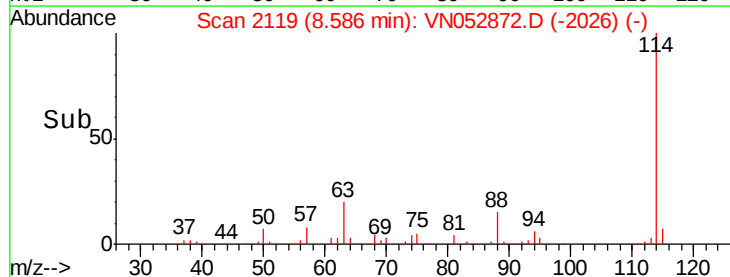
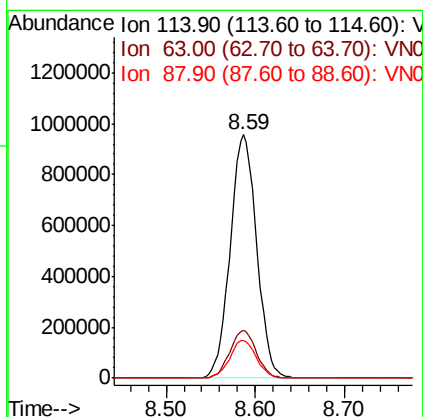
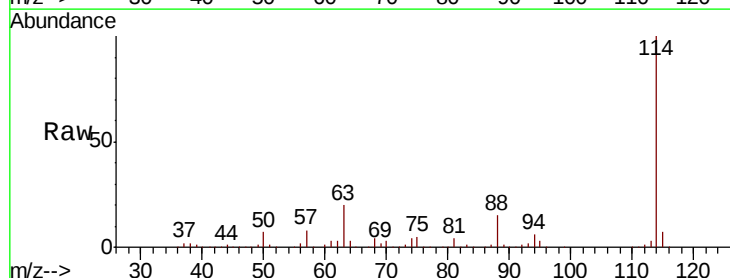
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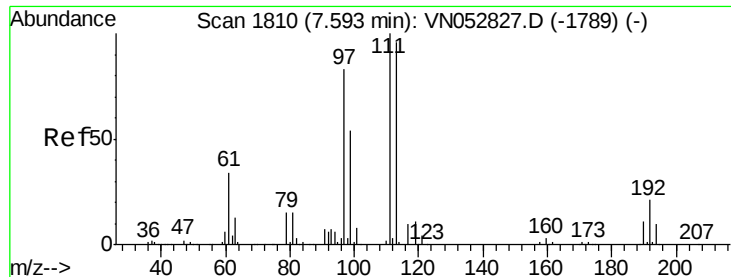
Tot Ion: 65 Resp: 640061
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052872.D
 Acq: 13 Dec 2018 18:41

Tgt Ion: 114 Resp: 1963190
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

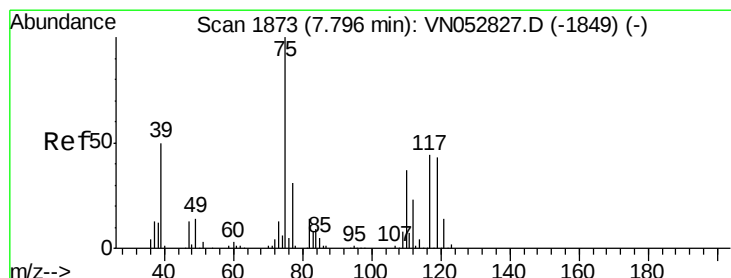
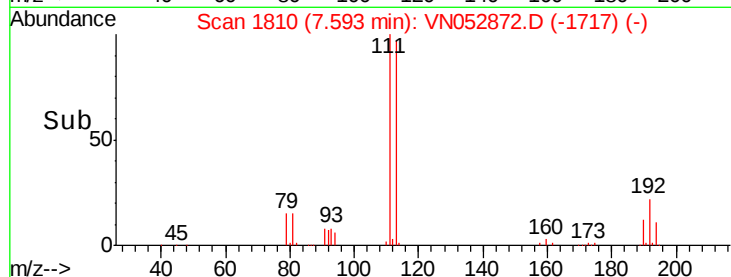
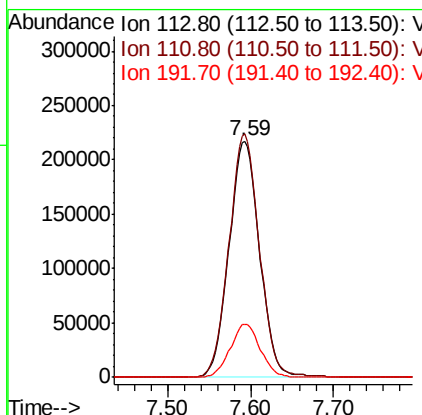
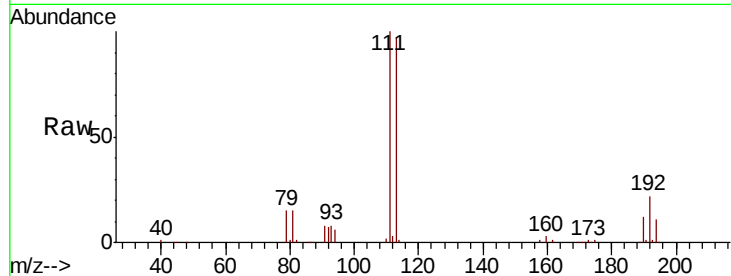




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052872.D
 Acq: 13 Dec 2018 18:41

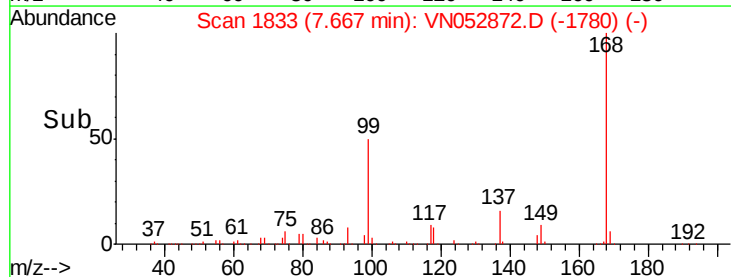
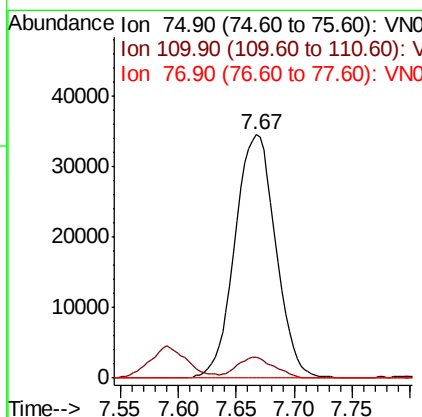
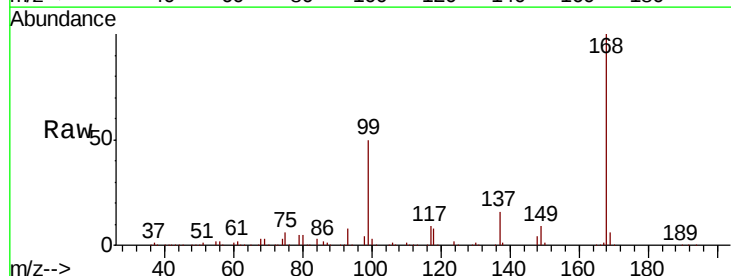
Instrument :
 MSVOA_N
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 PB115614ZHE#03

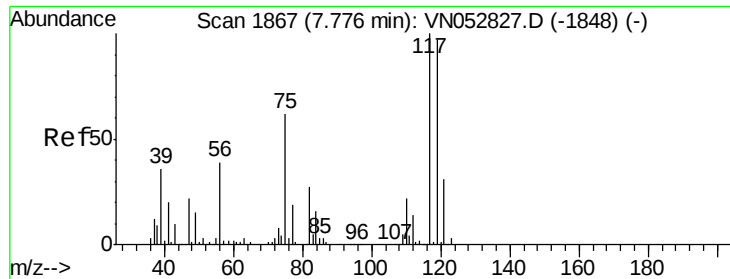
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.4
192	22.2	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052872.D
 Acq: 13 Dec 2018 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.728 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#03

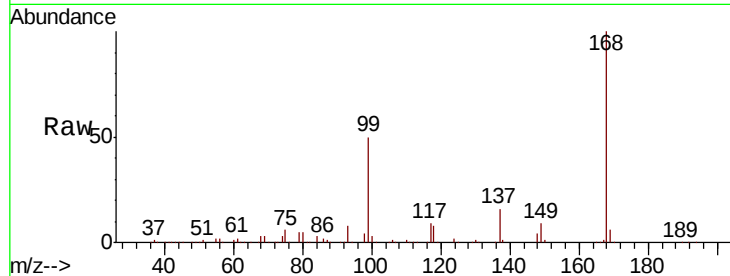
Tot Ion:117 Resp: 111956

Ion Ratio Lower Upper

117 100

119 5.4 77.1 115.7#

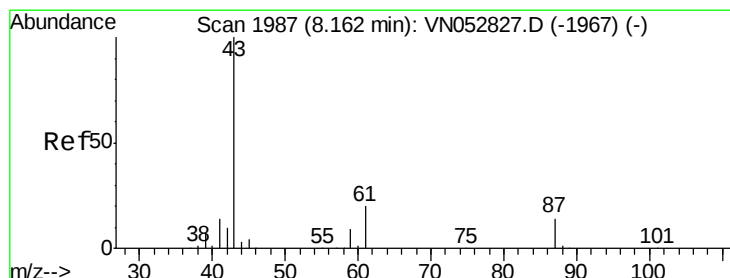
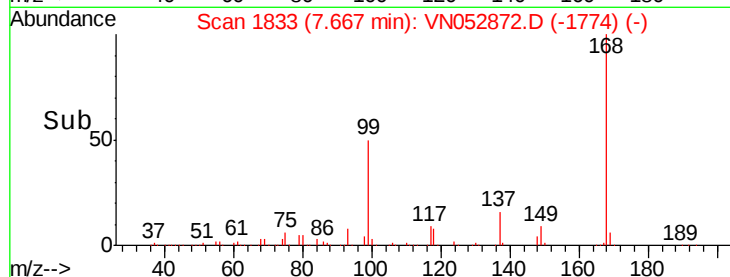
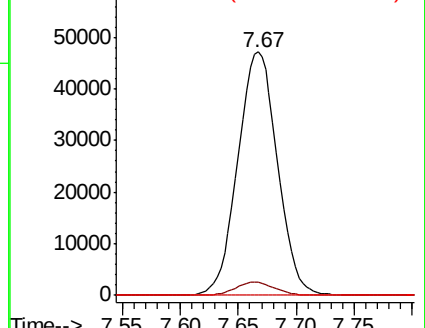
121 0.0 24.9 37.3#



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: 3.186 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

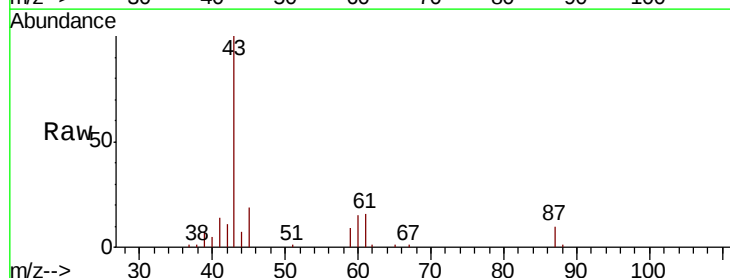
Tgt Ion: 43 Resp: 70932

Ion Ratio Lower Upper

43 100

61 14.6 22.9 34.3#

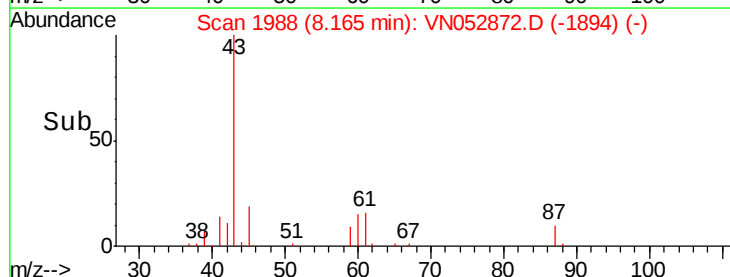
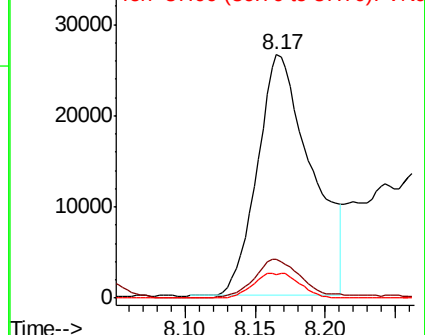
87 8.8 10.6 15.8#

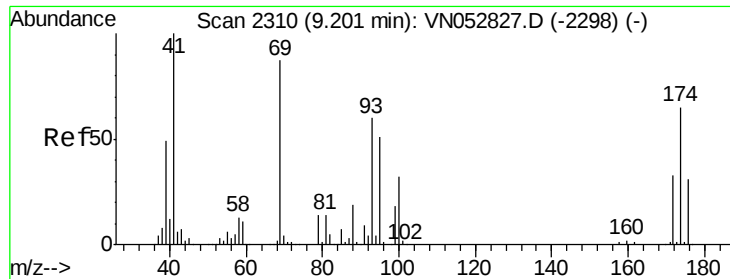


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

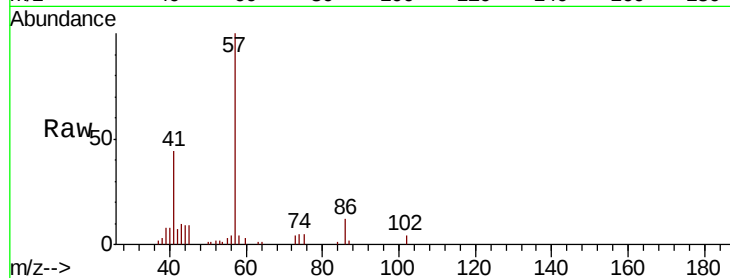




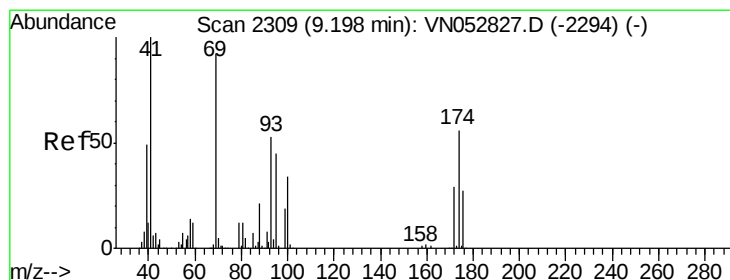
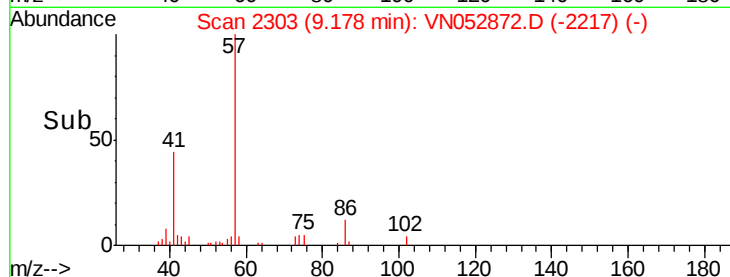
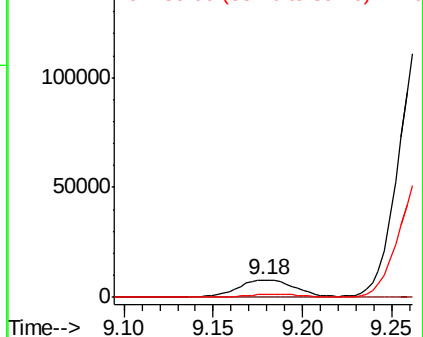
#48
Methyl methacrylate
Concen: 1.759 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#03

Tot Ion: 41 Resp: 17172
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#

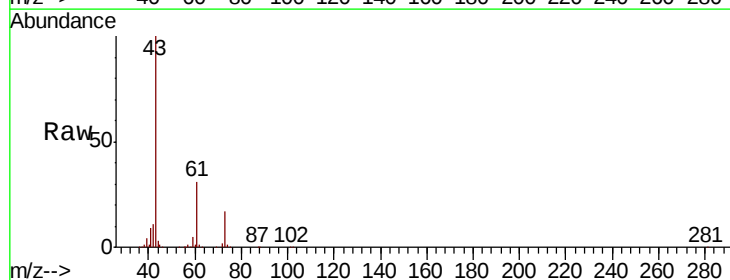


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

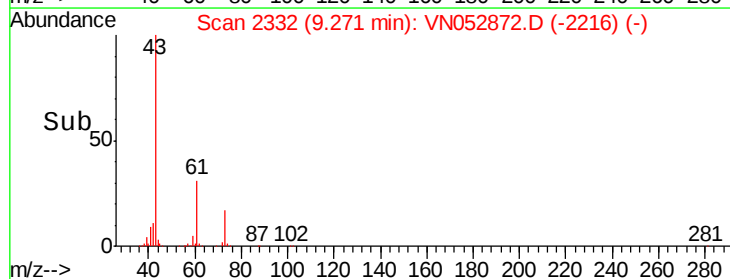
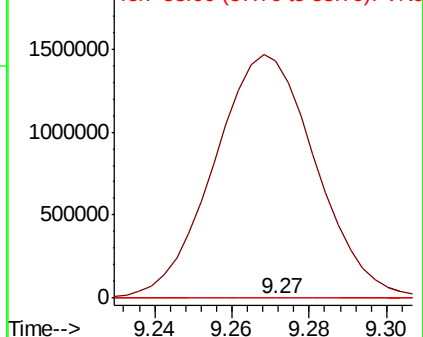


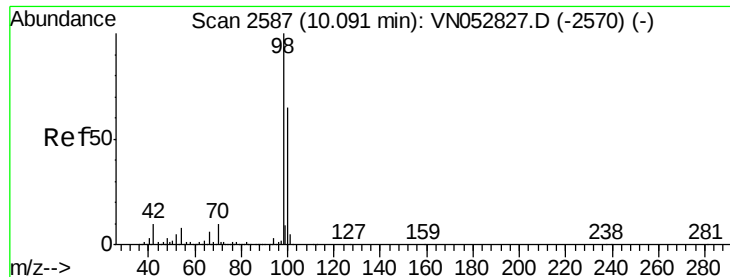
#49
1,4-Dioxane
Concen: 3.501 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Tgt Ion: 88 Resp: 388
Ion Ratio Lower Upper
88 100
43 698744.6 26.6 40.0#
58 2974.2 58.4 87.6#



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: 3.501 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

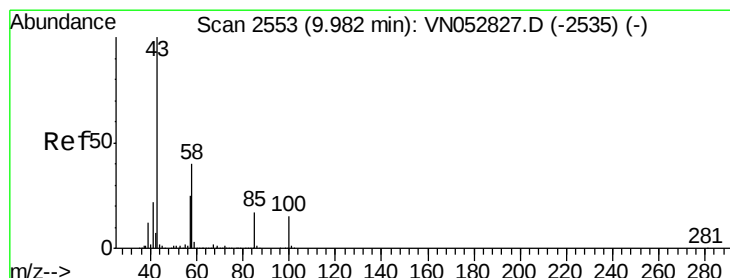
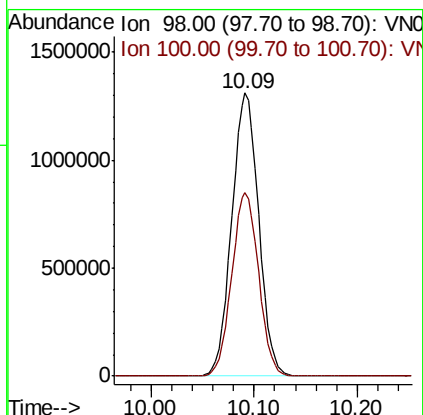
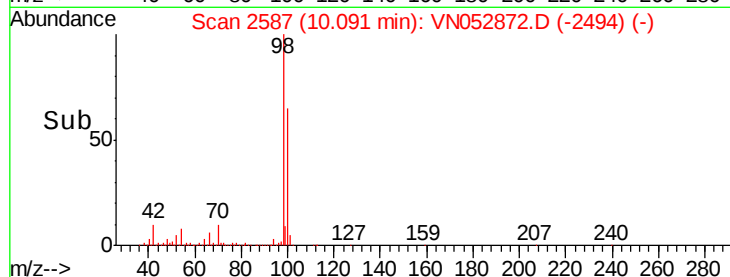
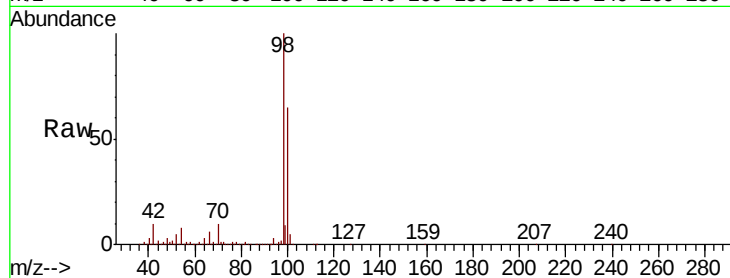
PB115614ZHE#03

Tot Ion: 98 Resp: 2384731

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.870 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052872.D

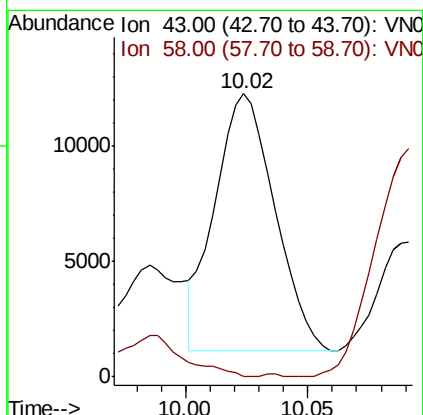
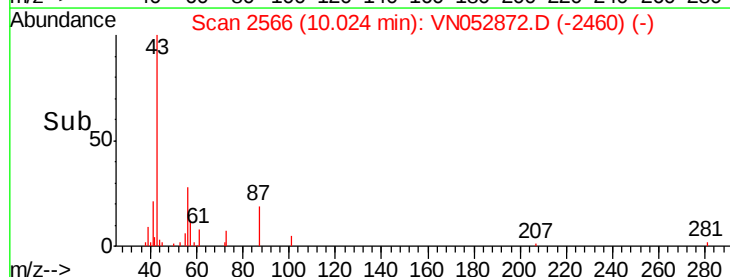
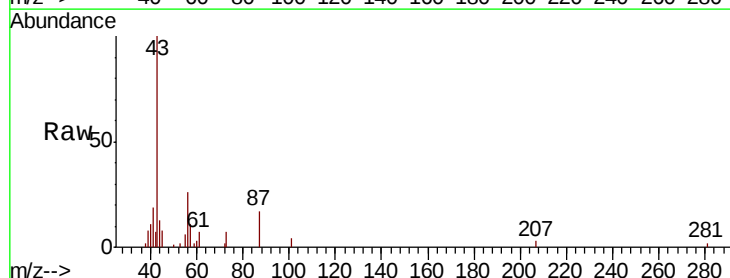
Acq: 13 Dec 2018 18:41

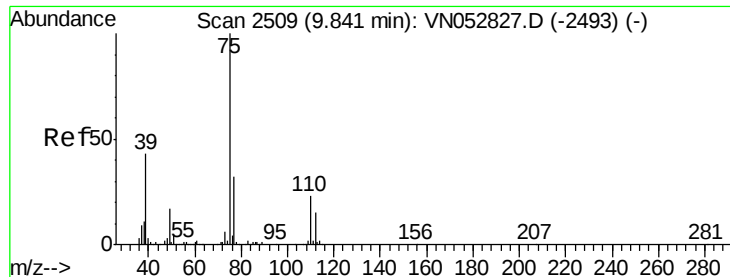
Tgt Ion: 43 Resp: 19090

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#





#54

cis-1,3-Dichloropropene

Concen: 7.038 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#03

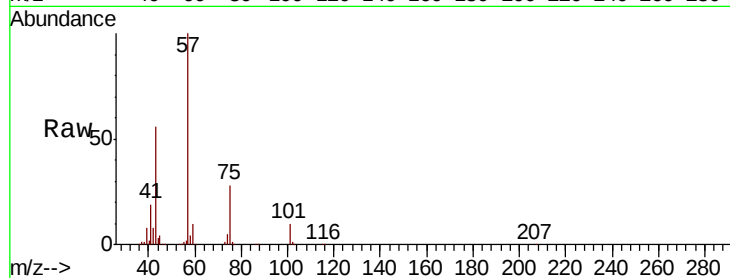
Tot Ion: 75 Resp: 144234

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.8#

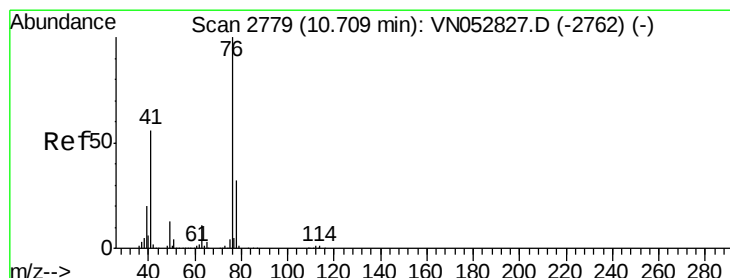
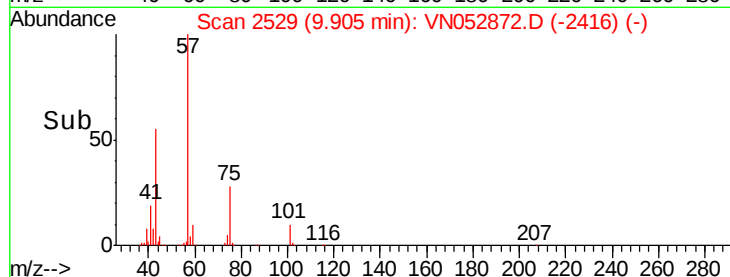
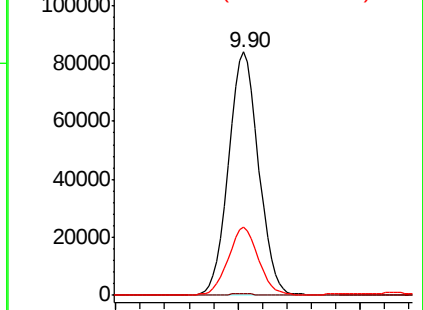
39 27.9 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC



#57

1,3-Dichloropropane

Concen: 1.315 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052872.D

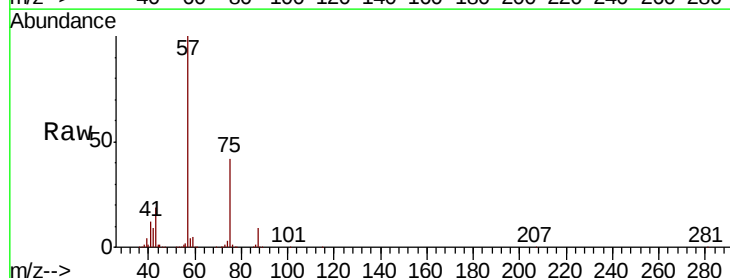
Acq: 13 Dec 2018 18:41

Tgt Ion: 76 Resp: 26461

Ion Ratio Lower Upper

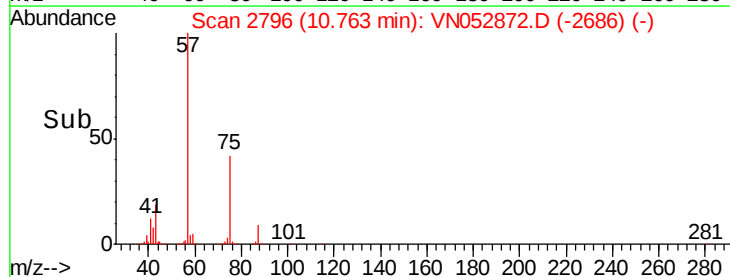
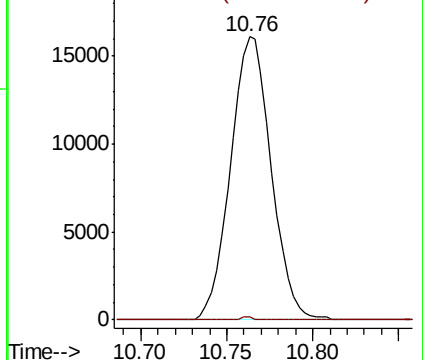
76 100

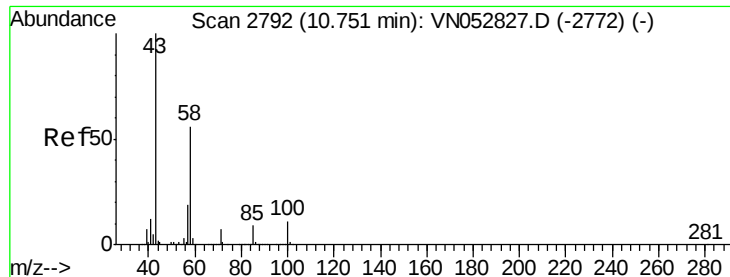
78 0.3 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

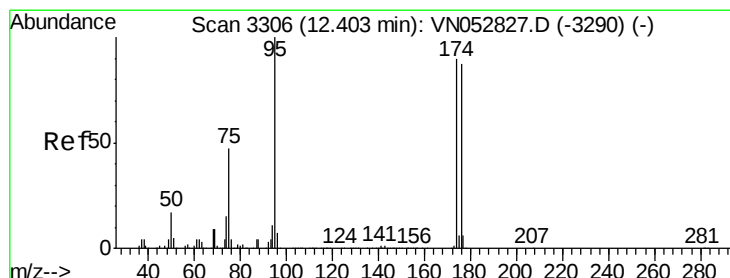
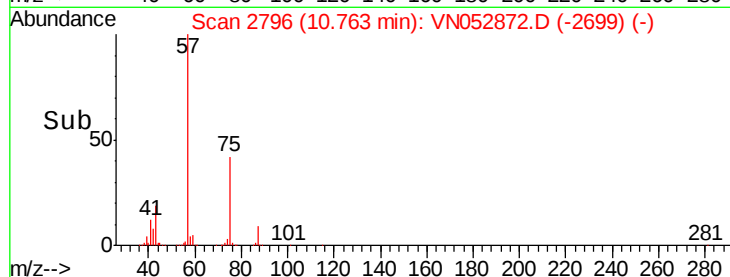
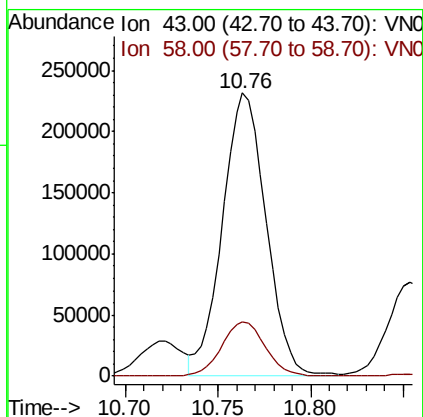
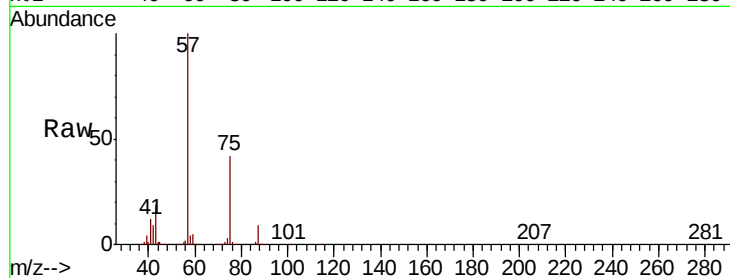




#59
2-Hexanone
Concen: 53.567 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

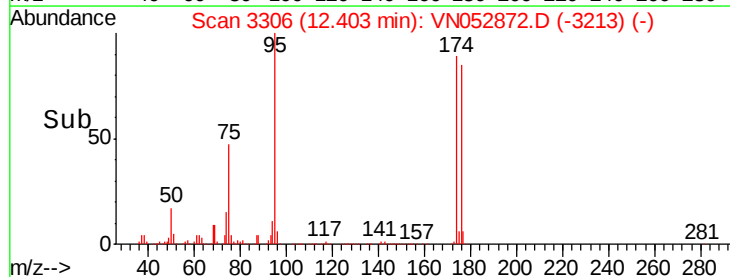
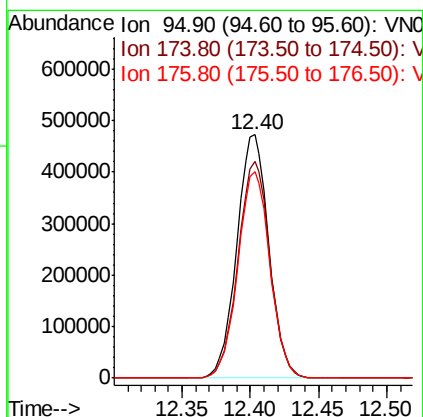
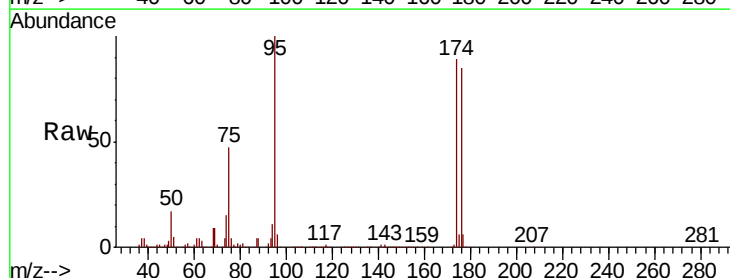
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#03

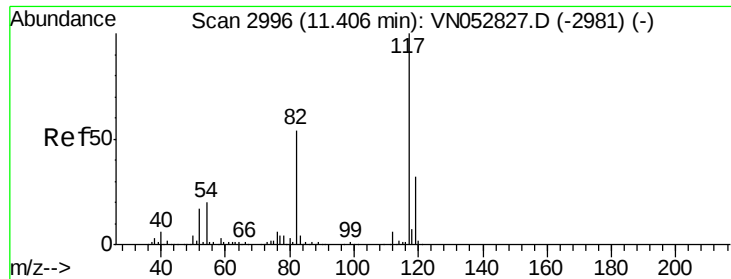
Tot Ion: 43 Resp: 374822
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Tgt Ion: 95 Resp: 768834
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.8
176 85.1 0.0 173.8

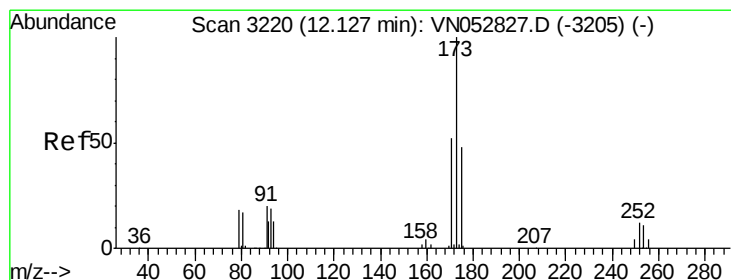
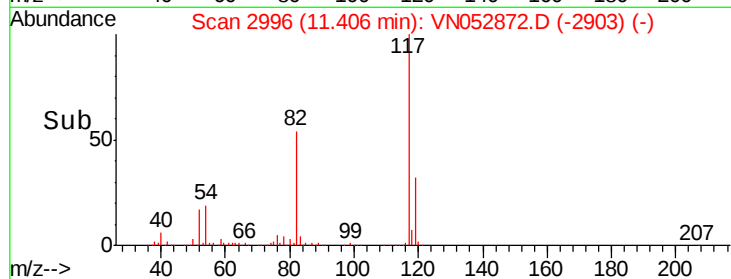
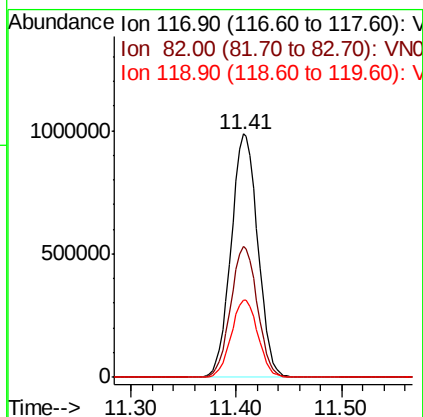
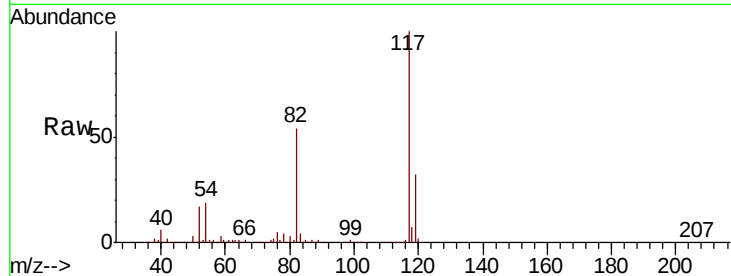




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

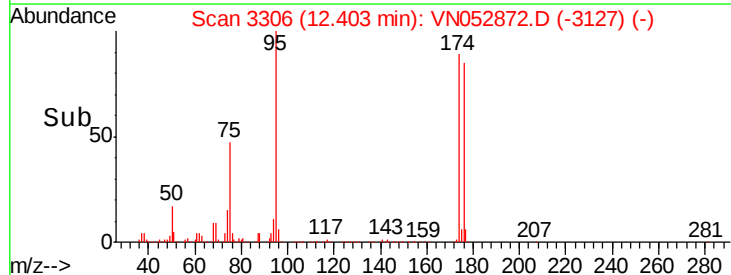
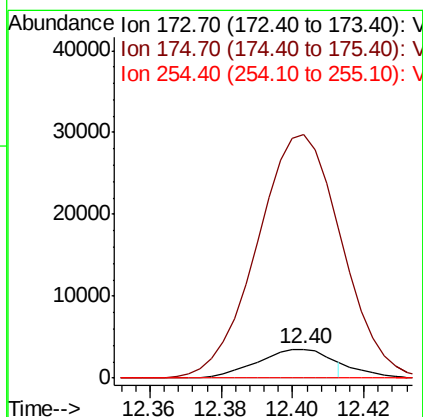
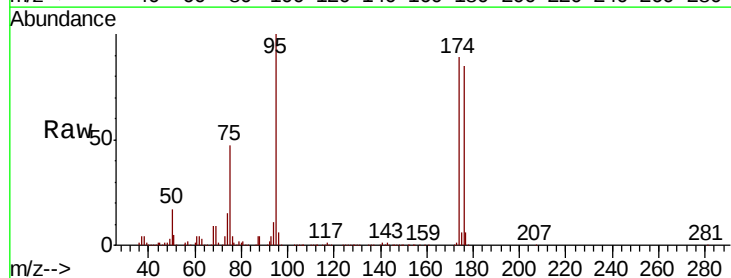
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#03

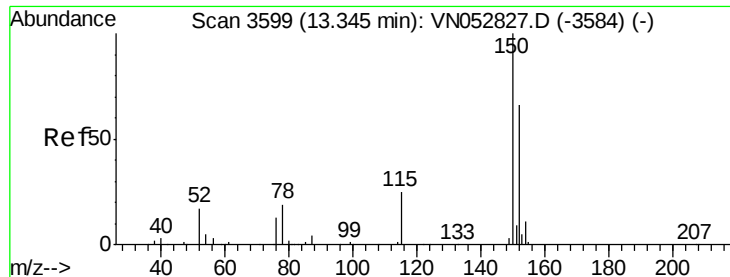
Tot Ion:117 Resp: 1723094
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.588 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052872.D
Acq: 13 Dec 2018 18:41

Tgt Ion:173 Resp: 4966
Ion Ratio Lower Upper
173 100
175 860.6 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#03

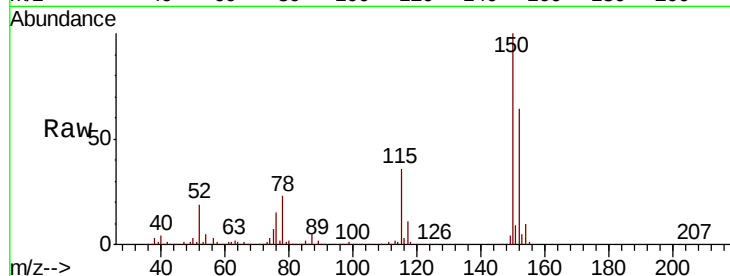
Tot Ion:152 Resp: 673197

Ion Ratio Lower Upper

152 100

115 56.8 28.3 85.0

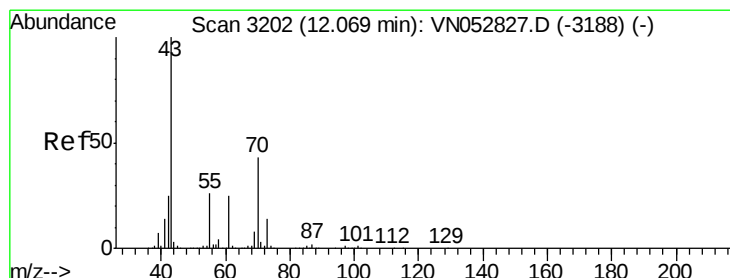
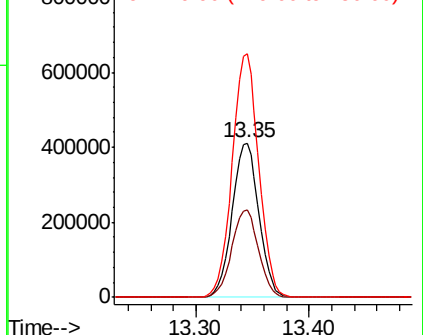
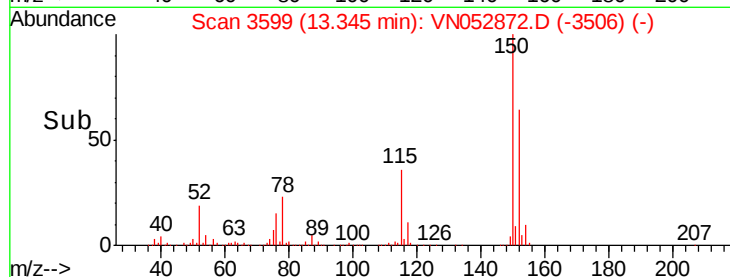
150 157.2 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.459 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Tgt Ion: 43 Resp: 47733

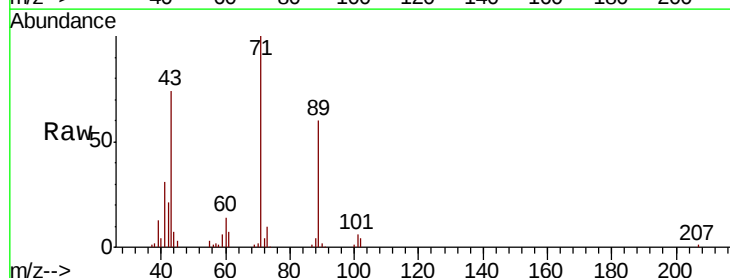
Ion Ratio Lower Upper

43 100

70 1.7 34.2 51.4#

55 4.5 20.3 30.5#

61 10.2 20.0 30.0#

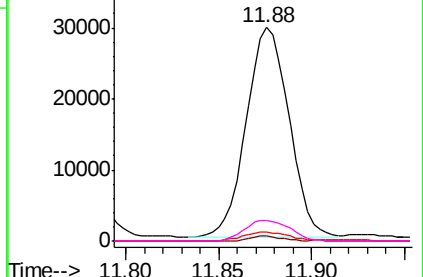
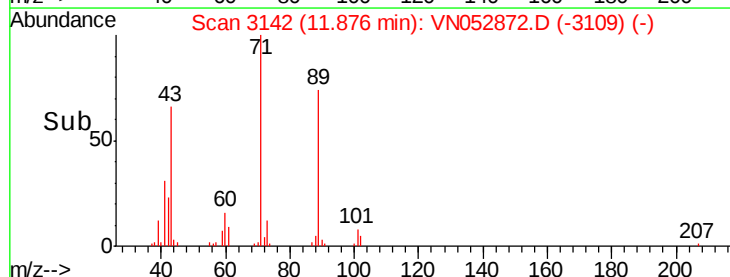


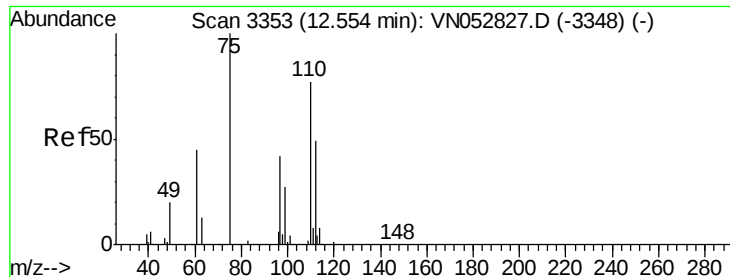
Abundance Ion 43.00 (42.70 to 43.70): V

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: 36.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

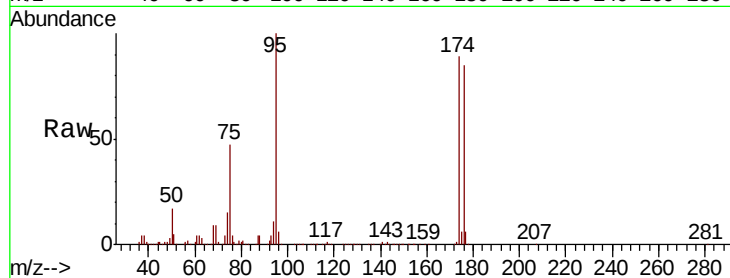
PB115614ZHE#03

Tot Ion: 75 Resp: 362270

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)

12.40

250000

200000

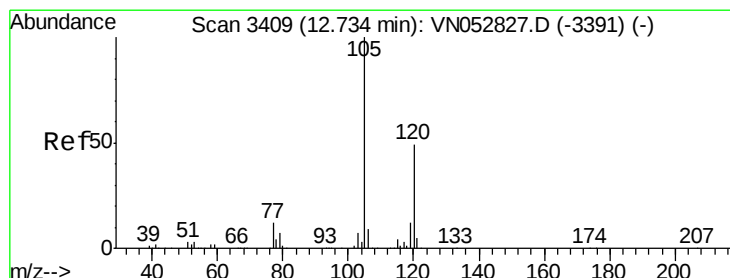
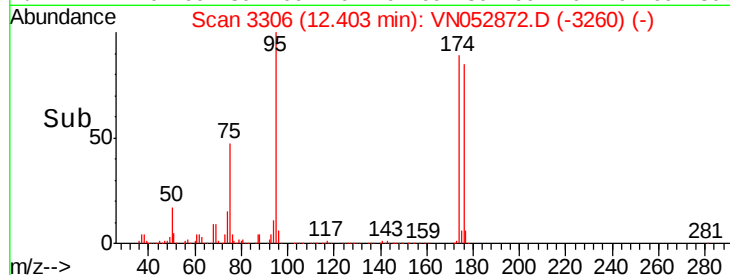
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#80

1,3,5-Trimethylbenzene

Concen: 0.315 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052872.D

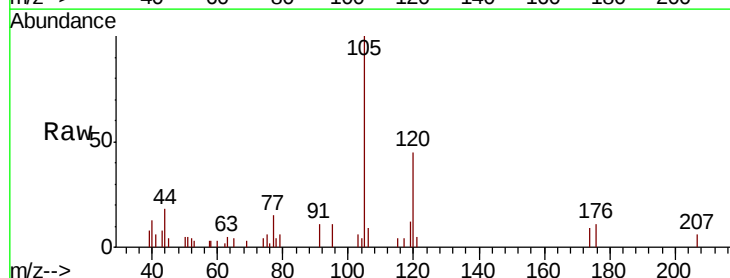
Acq: 13 Dec 2018 18:41

Tgt Ion: 105 Resp: 12783

Ion Ratio Lower Upper

105 100

120 46.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

12.73

8000

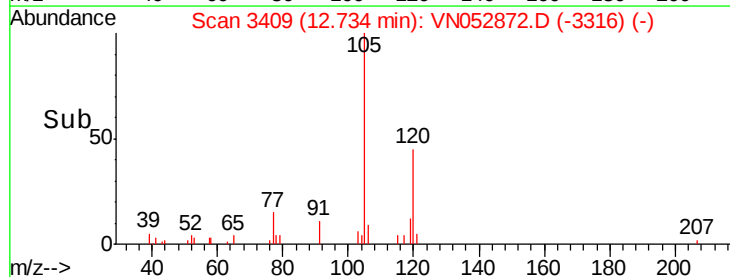
6000

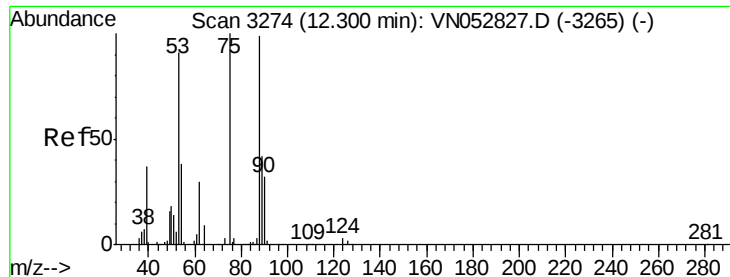
4000

2000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 117.172 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052872.D

Acq: 13 Dec 2018 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#03

Tot Ion: 75 Resp: 362270

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

