

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052846.D
 Acq On : 12 Dec 2018 23:47
 Operator : MD\SY
 Sample : PB115564ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#10

Quant Time: Dec 13 04:15:50 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

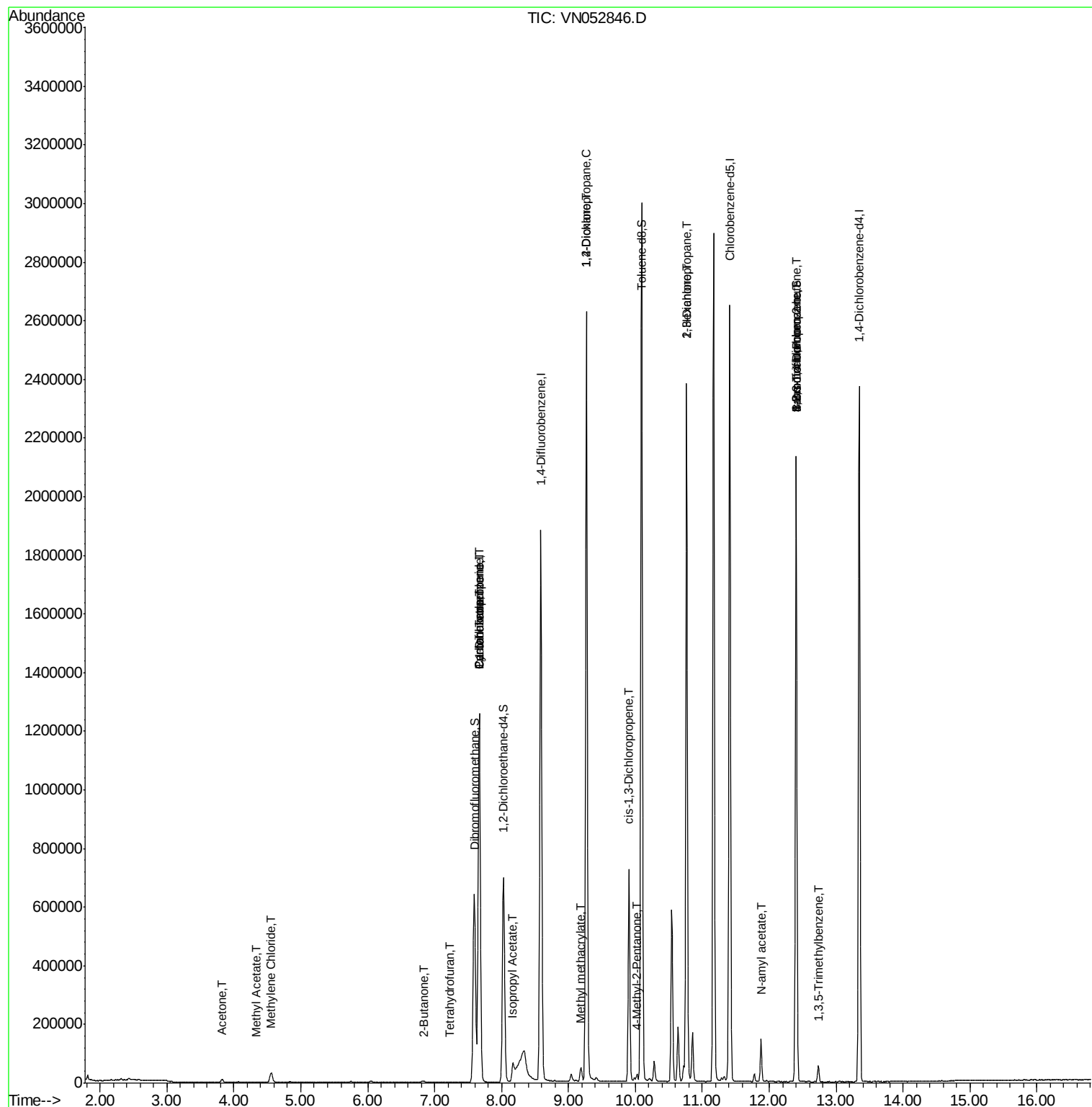
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1104399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1745558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1605398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	676864	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	590305	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
35) Dibromofluoromethane	7.59	113	501484	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
50) Toluene-d8	10.09	98	2142531	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	726253	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	18358	6.961	ug/l	91
18) Methyl Acetate	4.32	43	2722	0.281	ug/l	97
20) Methylene Chloride	4.56	84	24418	2.057	ug/l	93
25) 2-Butanone	6.84	43	2177	0.532	ug/l	98
29) Tetrahydrofuran	7.22	42	1655	0.592	ug/l #	58
31) Cyclohexane	7.66	56	19463	0.403	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	73687	4.584	ug/l #	49
38) Carbon Tetrachloride	7.67	117	95598	6.461	ug/l #	16
43) Isopropyl Acetate	8.17	43	81303	4.107	ug/l #	74
45) 1,2-Dichloropropane	9.27	63	3184	0.252	ug/l #	44
48) Methyl methacrylate	9.18	41	16016	1.845	ug/l #	12
49) 1,4-Dioxane	9.26	88	110	1.116	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	19255	2.121	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	134108	7.359	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	25332	1.416	ug/l #	42
59) 2-Hexanone	10.76	43	347504	55.855	ug/l #	50
71) Bromoform	12.40	173	4041	0.514	ug/l #	1
74) N-amyl acetate	11.88	43	44506	3.208	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	344376	34.485	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	28486	0.698	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	344376	110.781	ug/l #	12

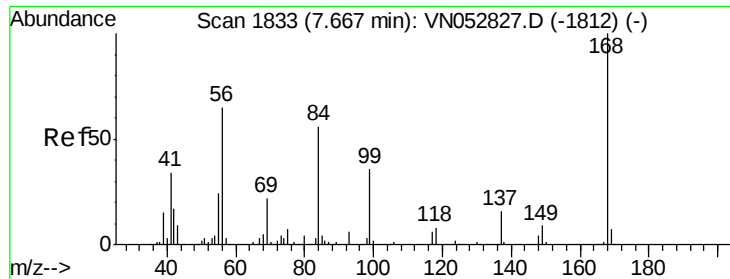
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
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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: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

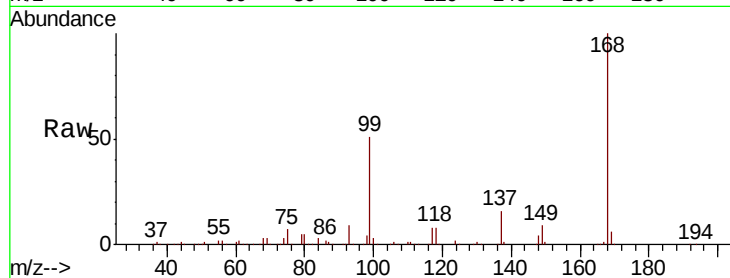
PB115564ZHE#10

Tot Ion:168 Resp: 1104399

Ion Ratio Lower Upper

168 100

99 50.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

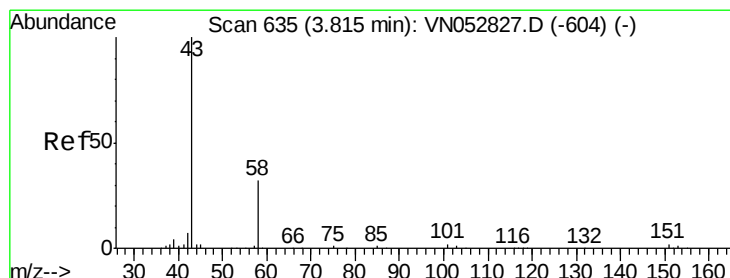
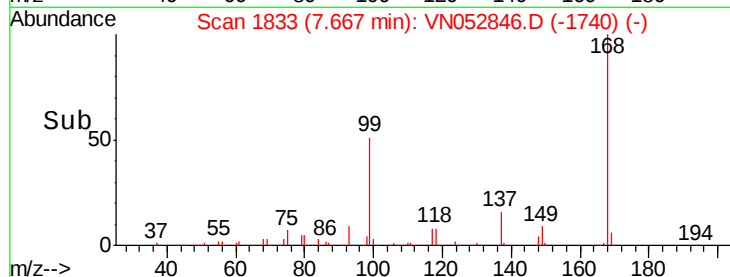
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.961 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052846.D

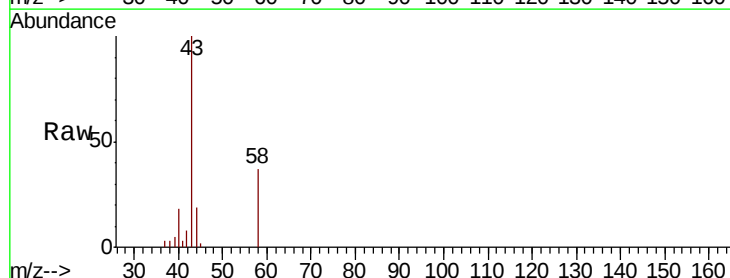
Acq: 12 Dec 2018 23:47

Tgt Ion: 43 Resp: 18358

Ion Ratio Lower Upper

43 100

58 36.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

3.82

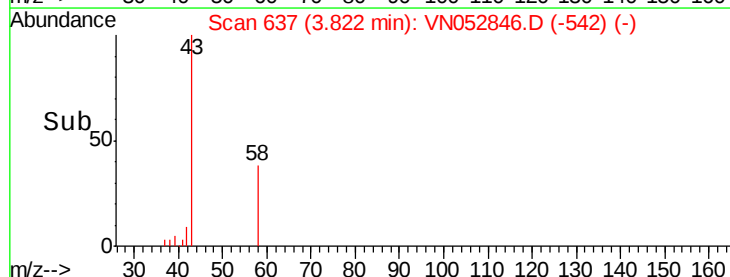
6000

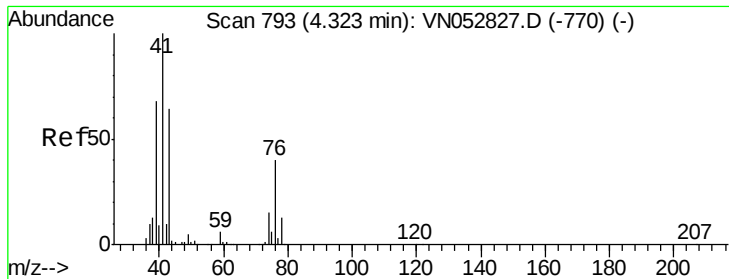
4000

2000

0

Time-->

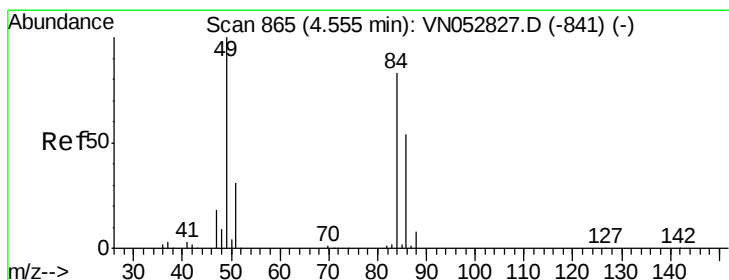
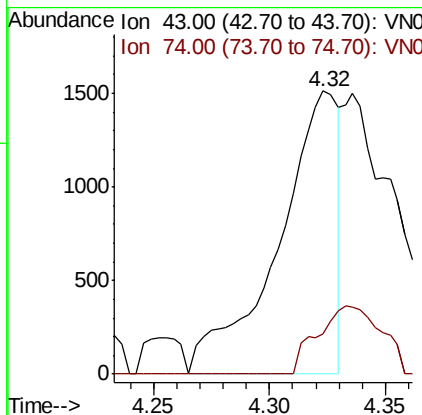
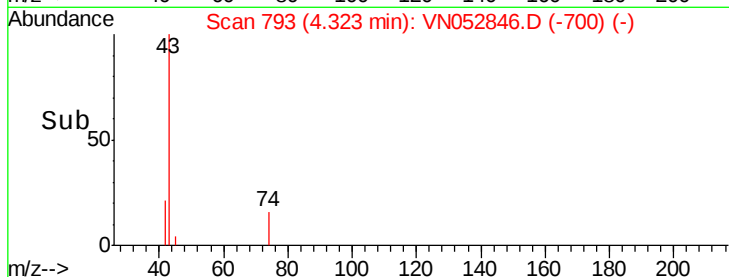
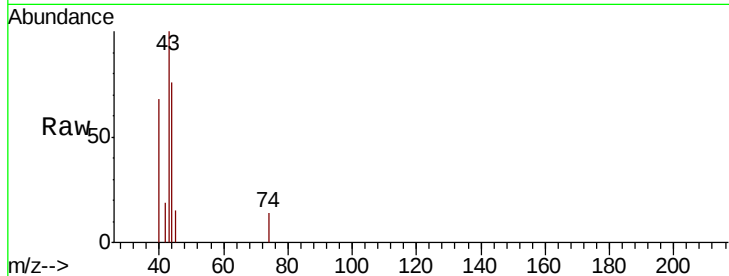




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

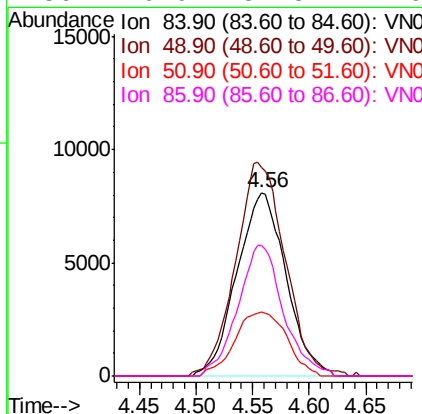
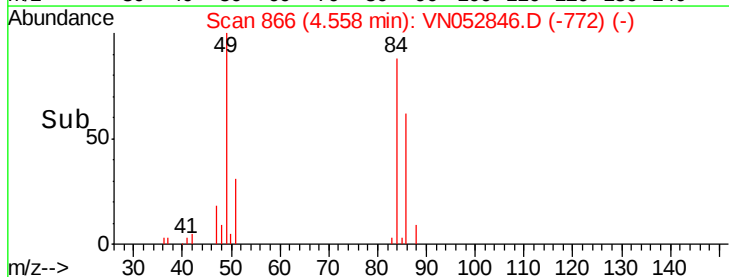
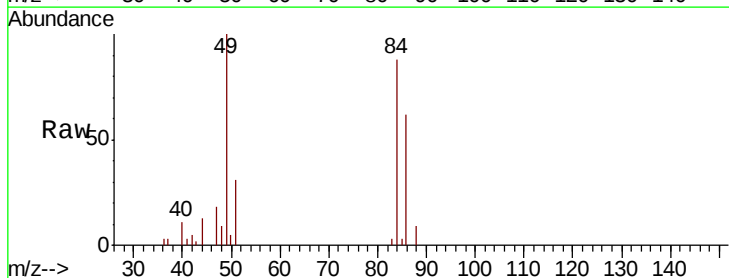
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#10

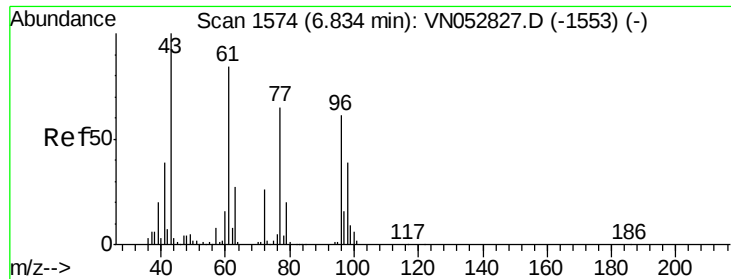
Tot Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#20
Methylene Chloride
Concen: 2.057 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion: 84 Resp: 24418
Ion Ratio Lower Upper
84 100
49 113.6 96.8 145.2
51 35.0 29.9 44.9
86 70.9 51.8 77.6

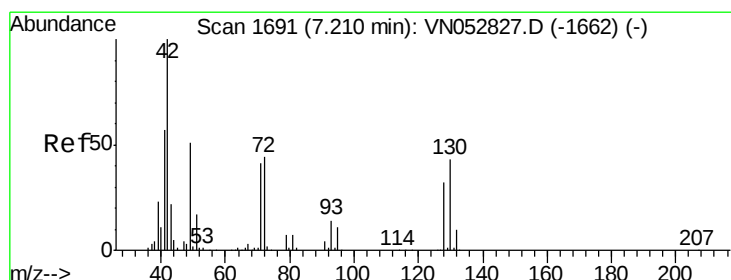
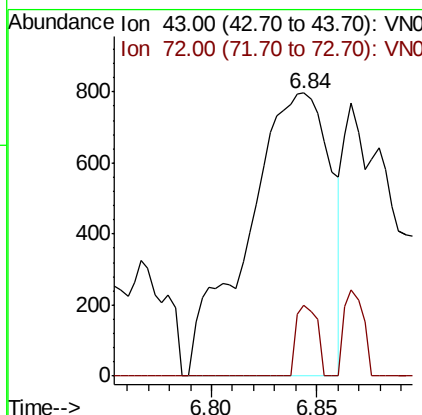
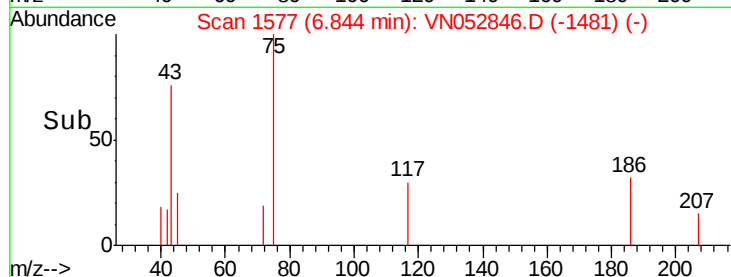
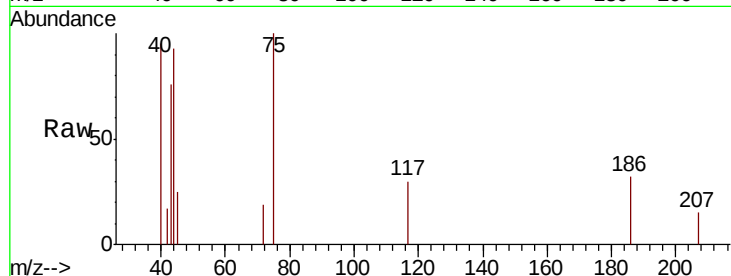




#25
2-Butanone
Concen: 0.532 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

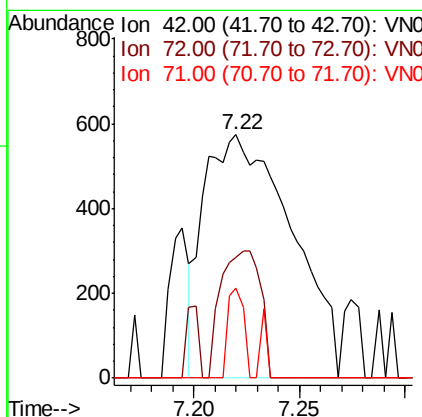
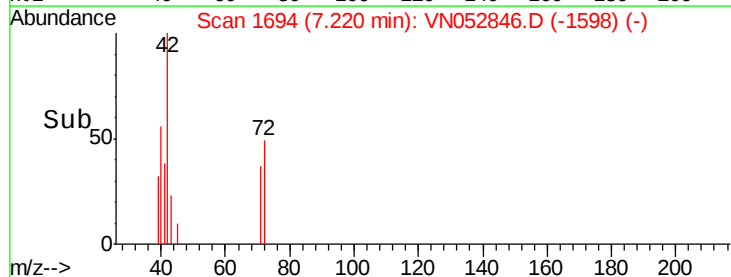
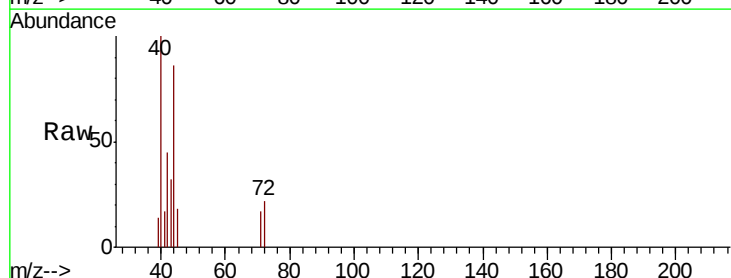
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#10

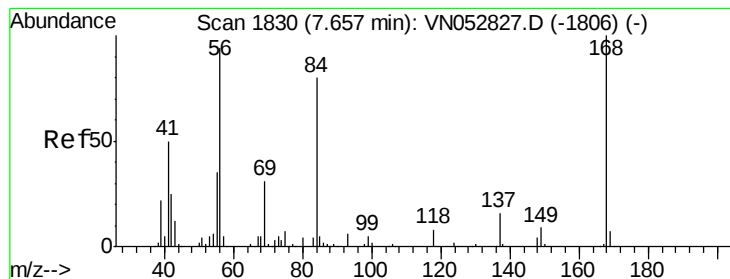
Tot Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
72 25.1 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.592 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion: 42 Resp: 1655
Ion Ratio Lower Upper
42 100
72 23.5 34.7 52.1#
71 6.6 32.3 48.5#





#31

Cyclohexane

Concen: 0.403 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#10

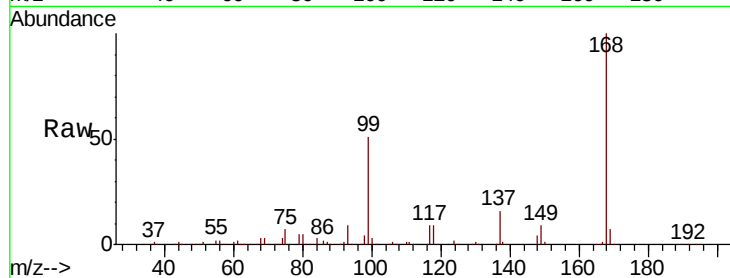
Tot Ion: 56 Resp: 19463

Ion Ratio Lower Upper

56 100

69 179.5 26.6 39.8#

84 146.6 68.4 102.6#

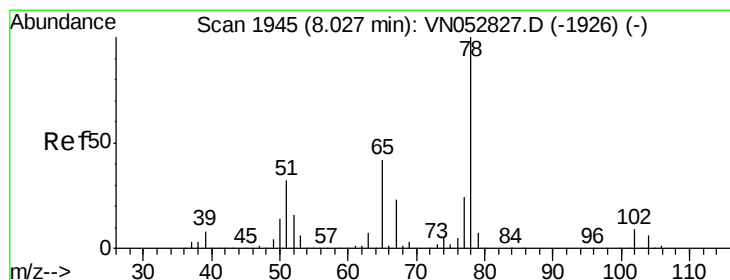
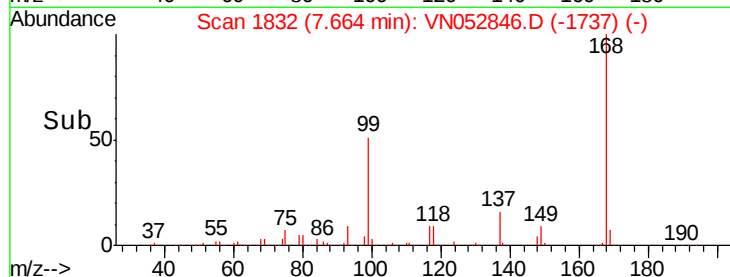
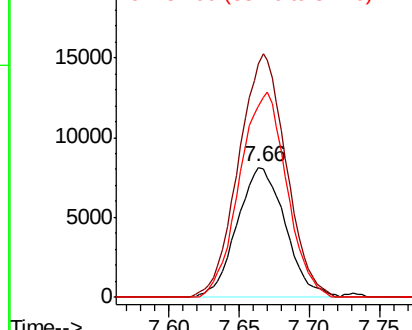


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052846.D

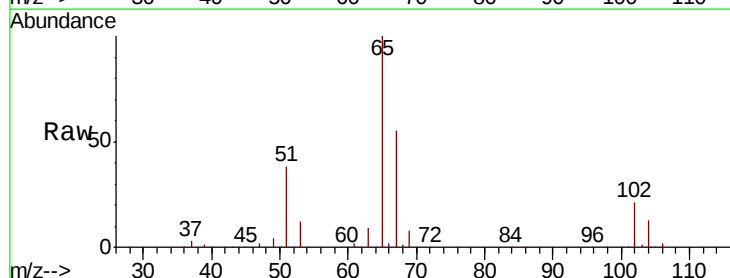
Acq: 12 Dec 2018 23:47

Tgt Ion: 65 Resp: 590305

Ion Ratio Lower Upper

65 100

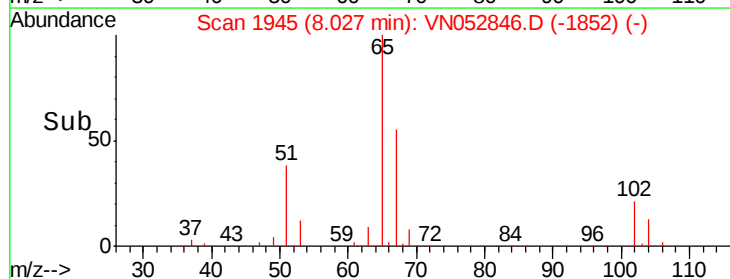
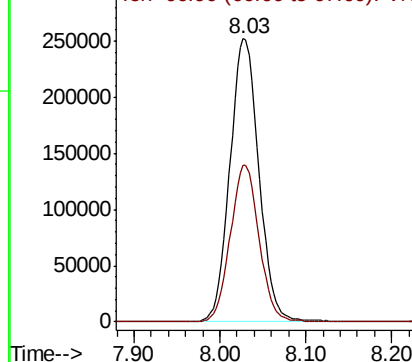
67 55.0 0.0 110.4

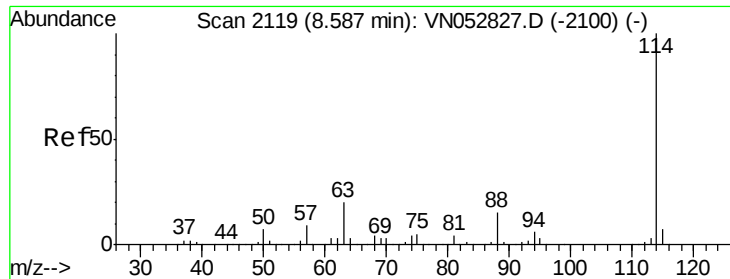


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

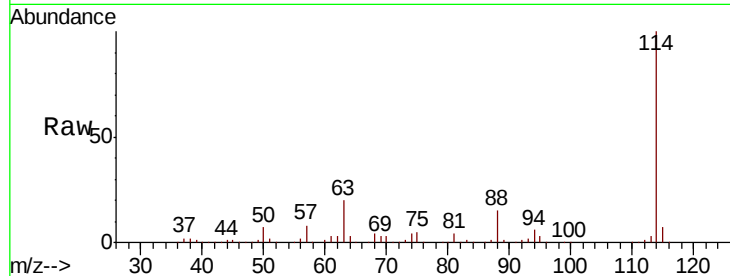




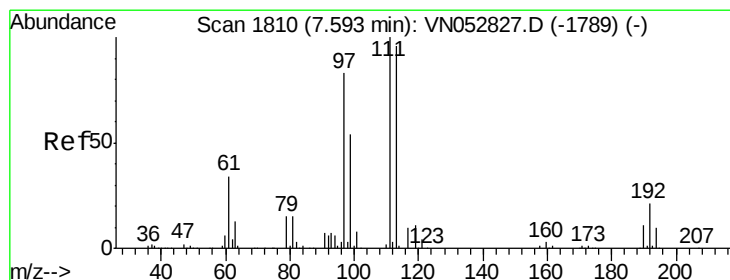
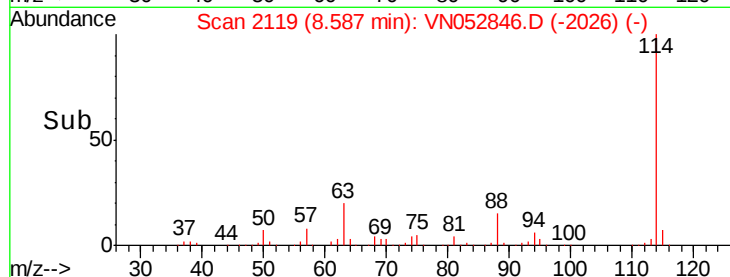
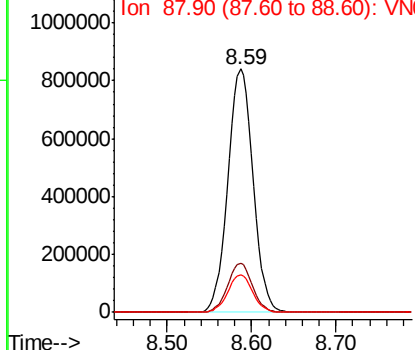
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Instrument :
MSVOA_N
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PB115564ZHE#10

Tot Ion:114 Resp: 1745558
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.8
88 15.3 0.0 31.0

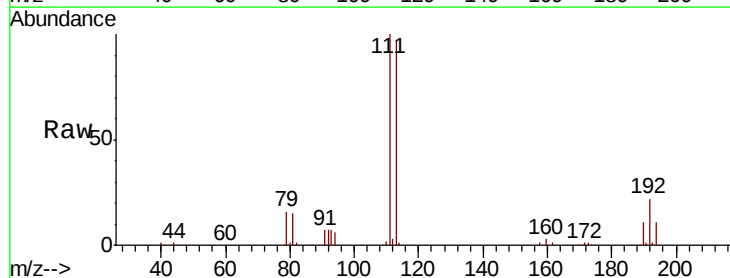


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

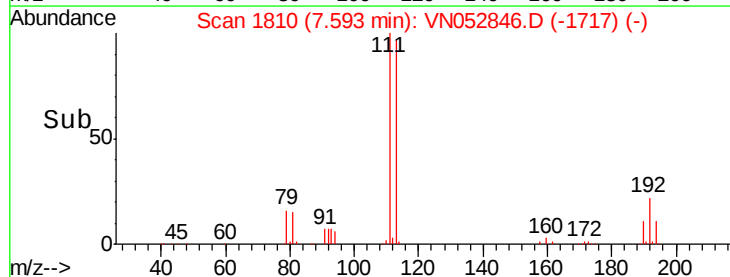
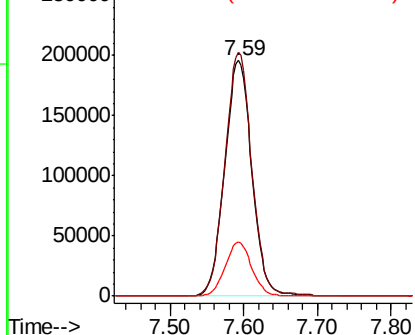


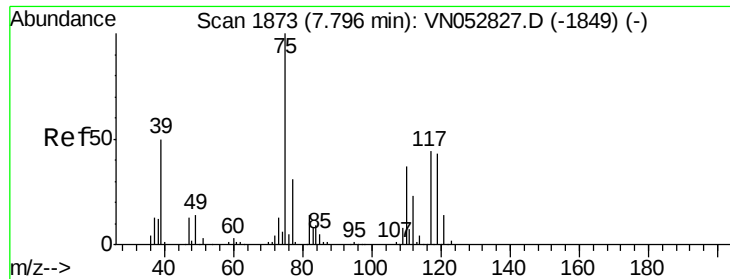
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion:113 Resp: 501484
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 22.4 17.5 26.3



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

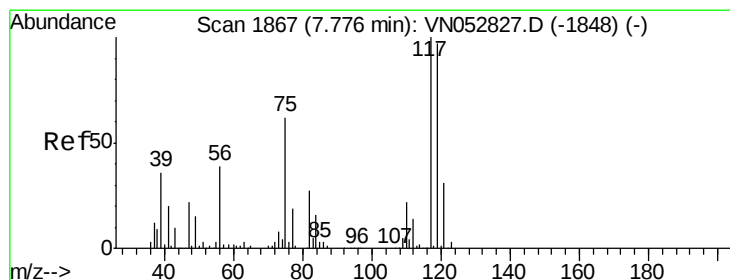
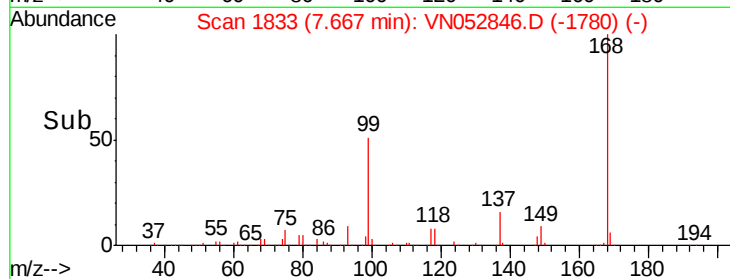
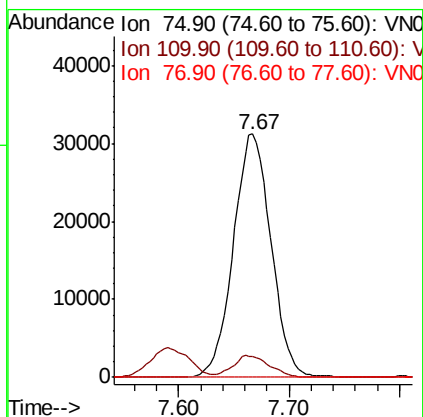
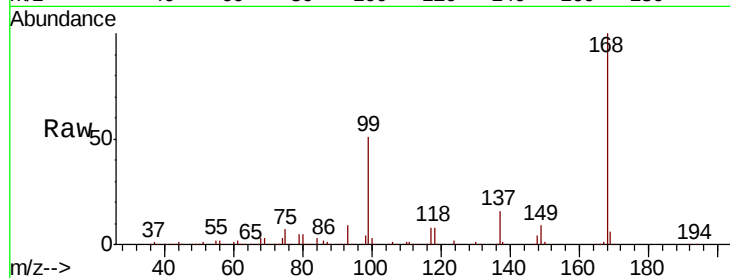




#36
 1,1-Dichloropropene
 Concen: 4.584 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052846.D
 Acq: 12 Dec 2018 23:47

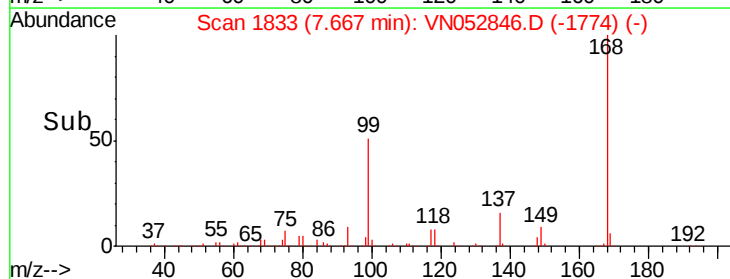
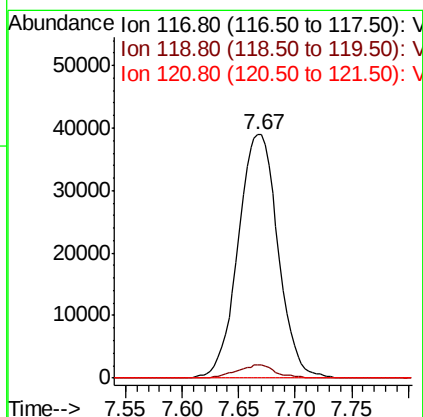
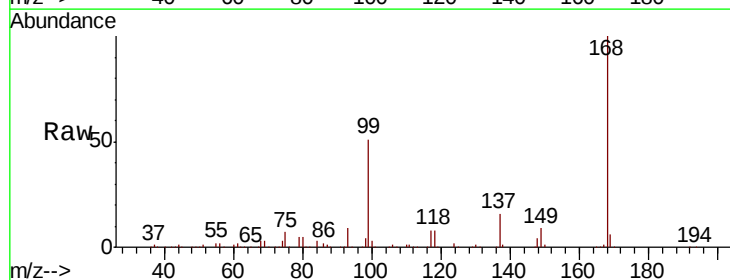
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#10

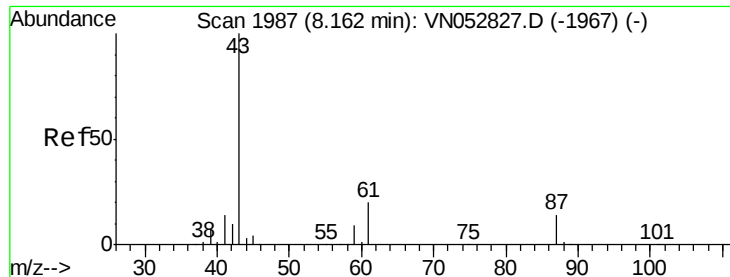
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.461 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052846.D
 Acq: 12 Dec 2018 23:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 4.107 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#10

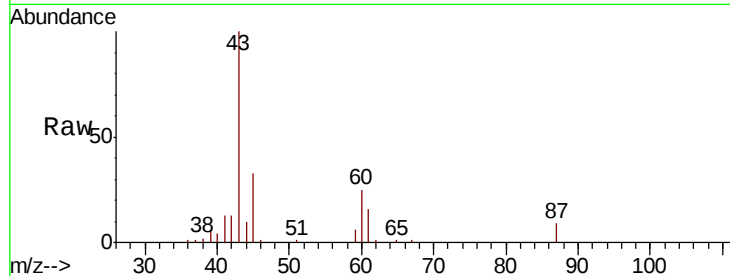
Tot Ion: 43 Resp: 81303

Ion Ratio Lower Upper

43 100

61 12.0 22.9 34.3#

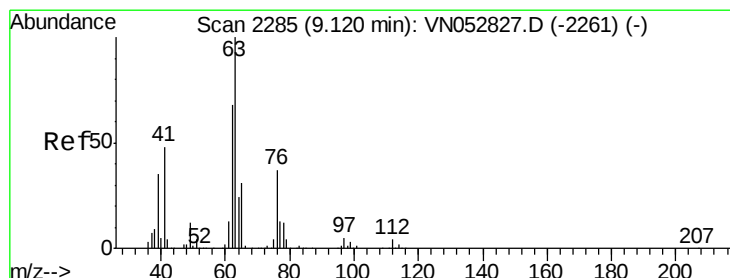
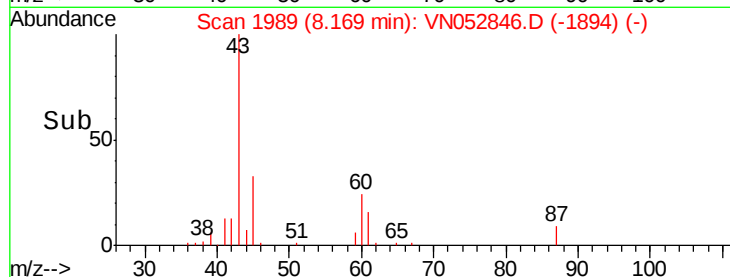
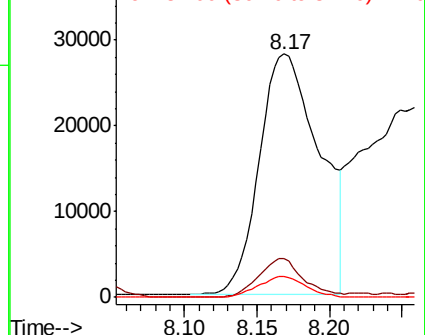
87 6.8 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.252 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052846.D

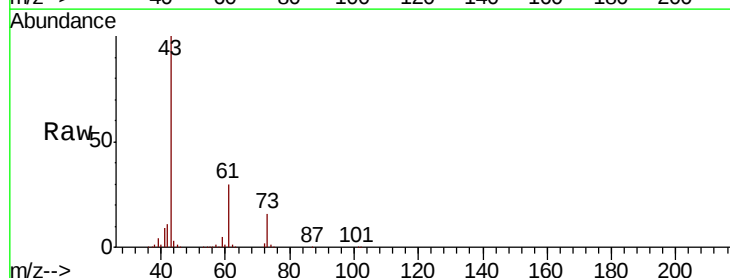
Acq: 12 Dec 2018 23:47

Tgt Ion: 63 Resp: 3184

Ion Ratio Lower Upper

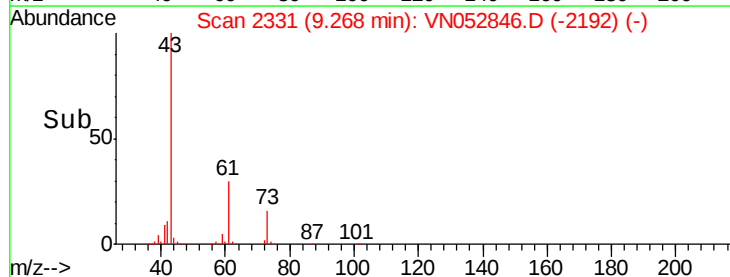
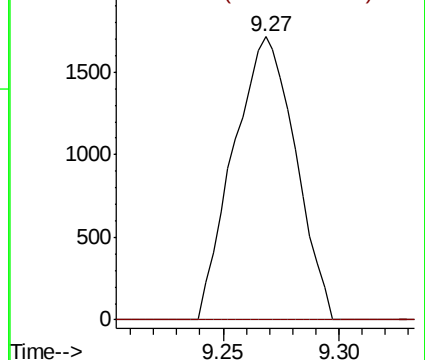
63 100

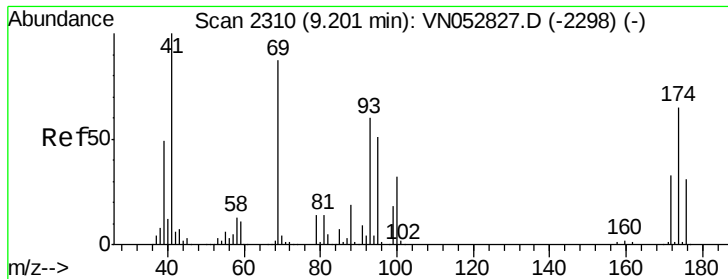
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

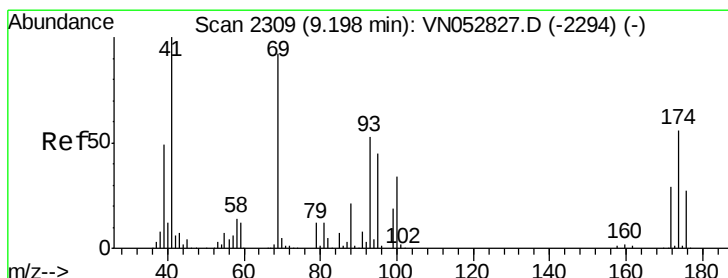
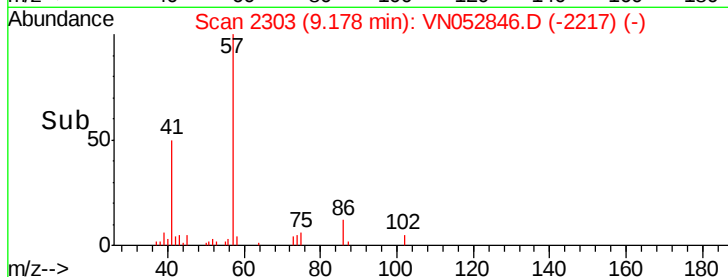
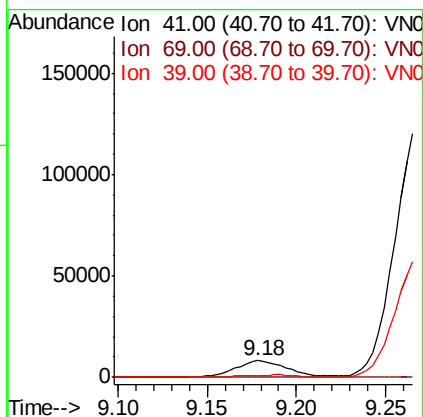
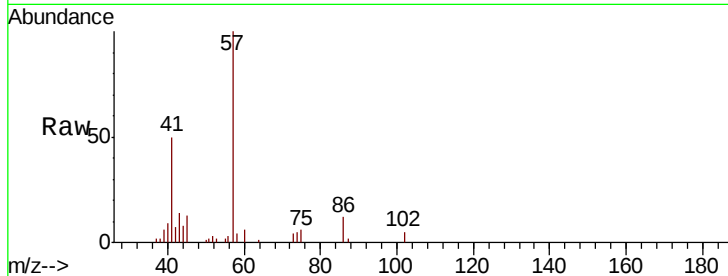




#48
Methvl methacrylate
Concen: 1.845 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

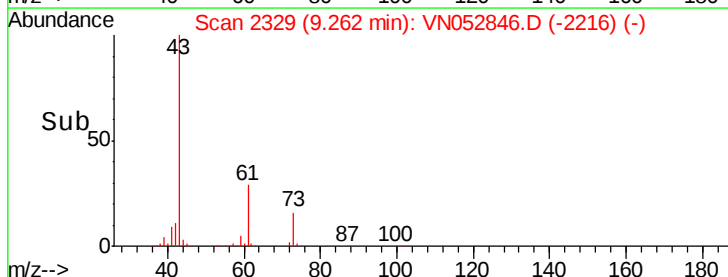
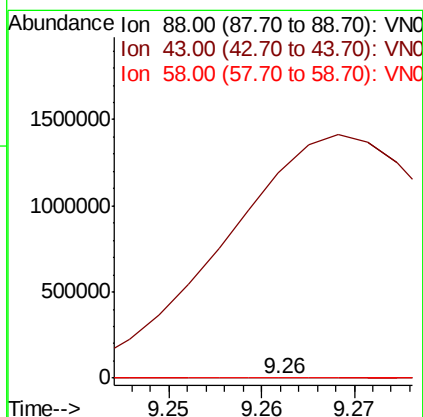
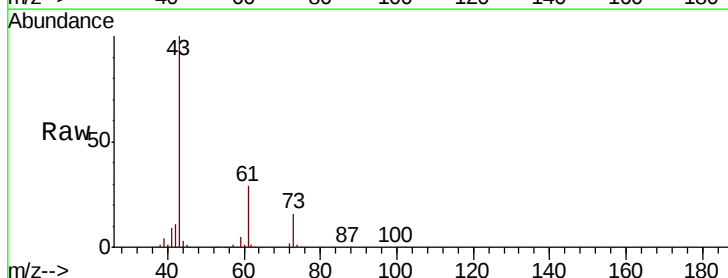
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#10

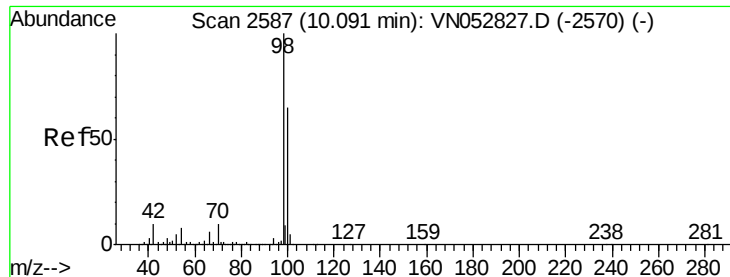
Tot Ion: 41 Resp: 16016
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 1.116 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 2354452.7 26.6 40.0#
58 9991.8 58.4 87.6#





#50

Toluene-d8

Concen: 1.116 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

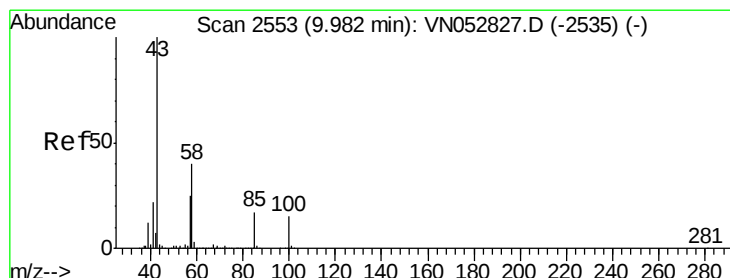
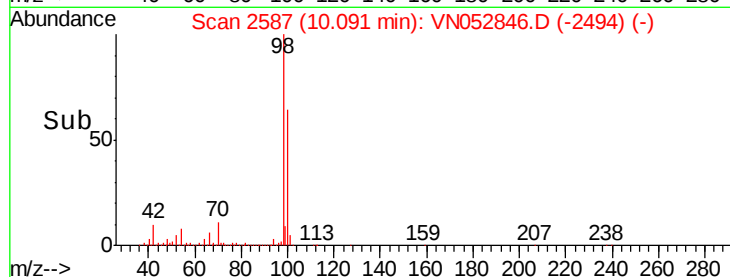
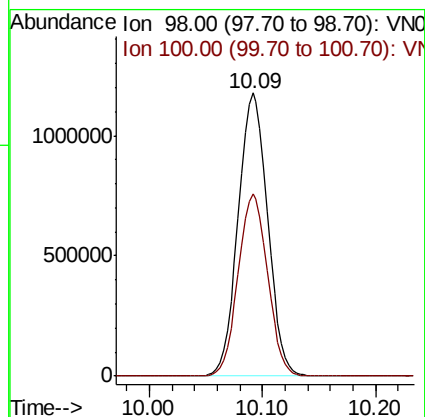
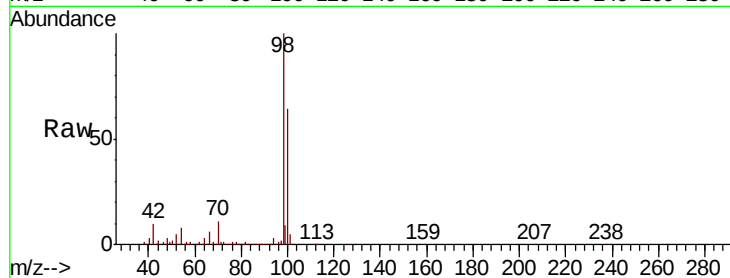
PB115564ZHE#10

Tot Ion: 98 Resp: 2142531

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 2.121 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052846.D

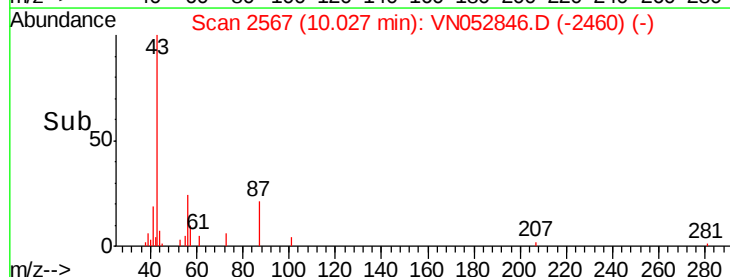
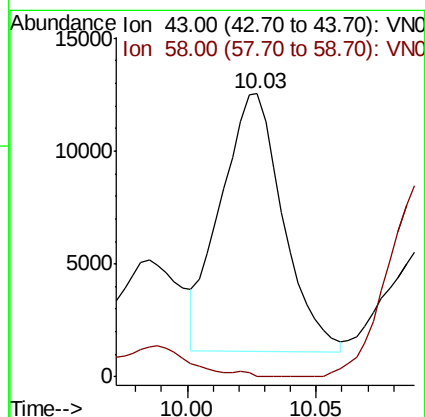
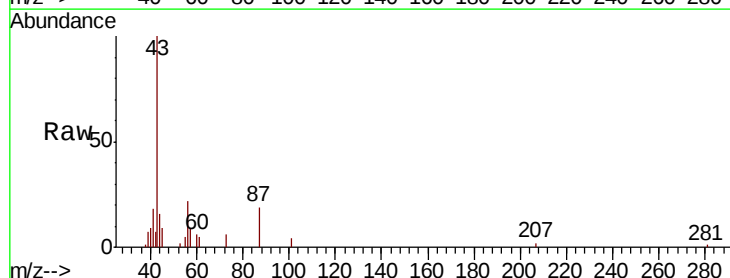
Acq: 12 Dec 2018 23:47

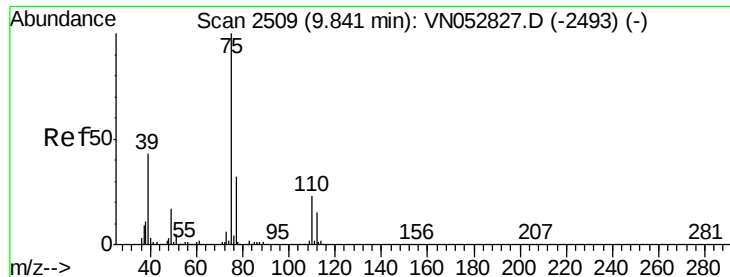
Tgt Ion: 43 Resp: 19255

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#





#54

cis-1,3-Dichloropropene

Concen: 7.359 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#10

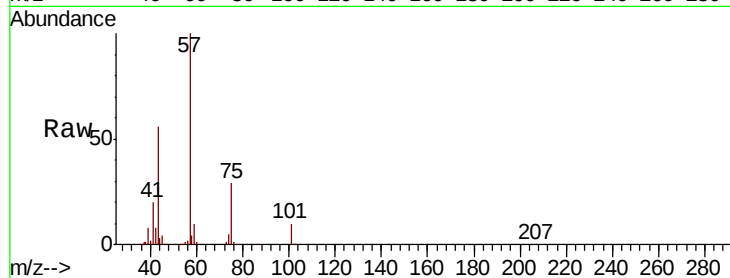
Tot Ion: 75 Resp: 134108

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

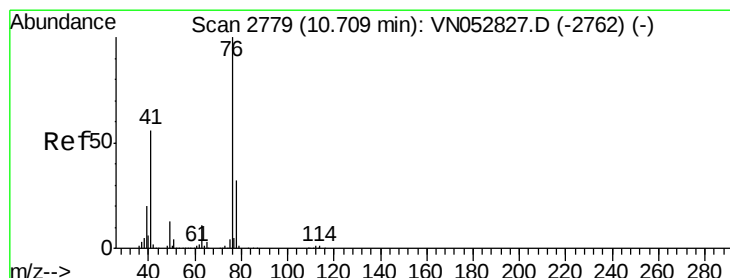
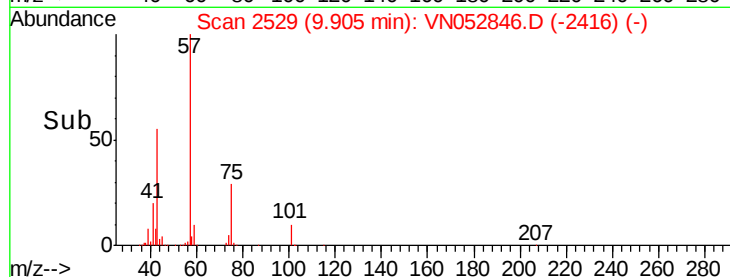
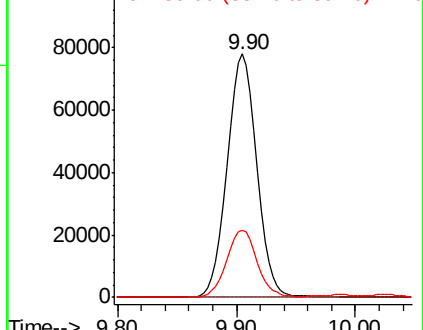
39 27.7 34.8 52.2#



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



#57

1,3-Dichloropropane

Concen: 1.416 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052846.D

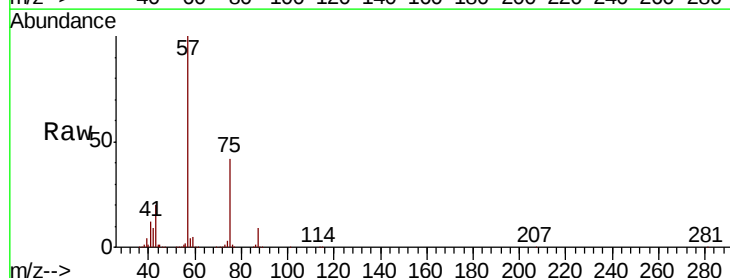
Acq: 12 Dec 2018 23:47

Tgt Ion: 76 Resp: 25332

Ion Ratio Lower Upper

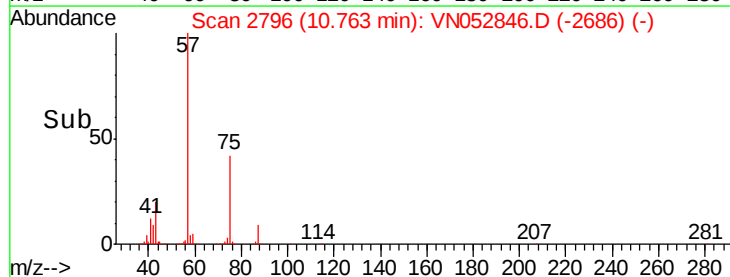
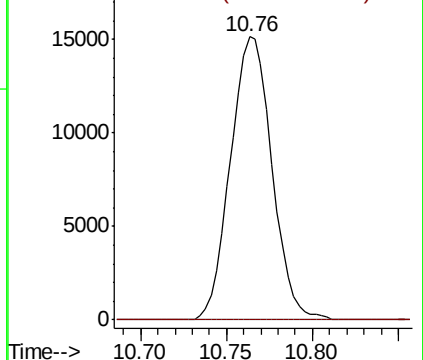
76 100

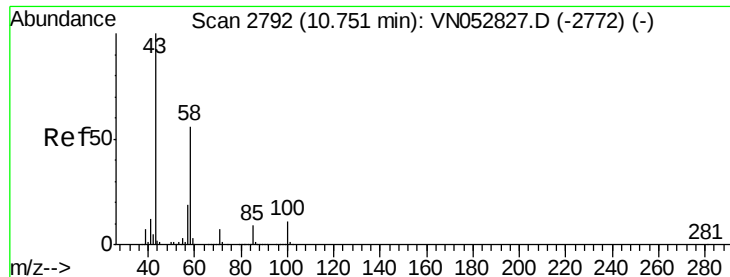
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

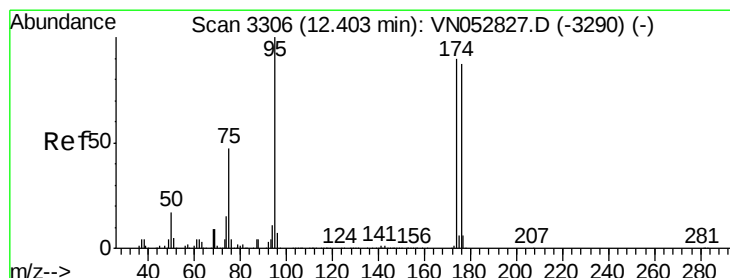
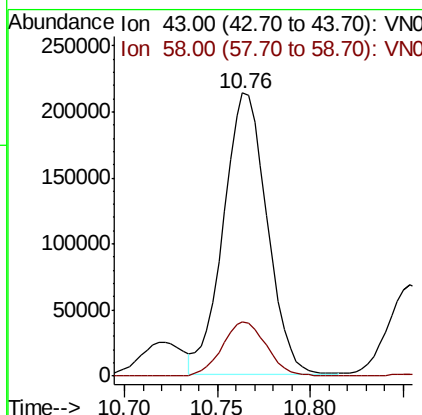
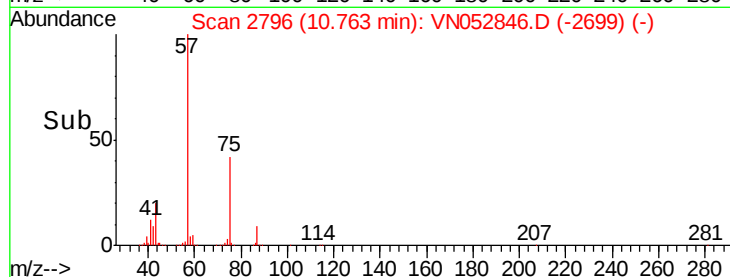
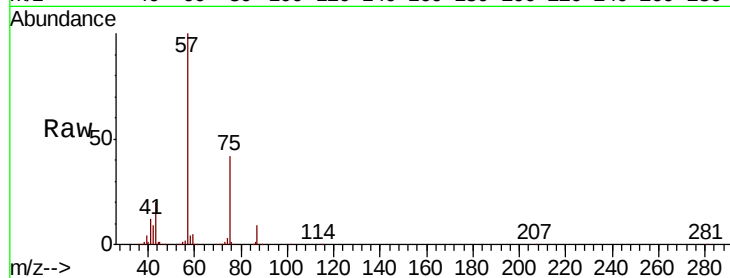




#59
2-Hexanone
Concen: 55.855 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

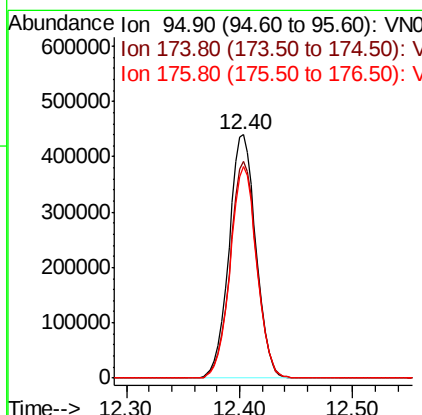
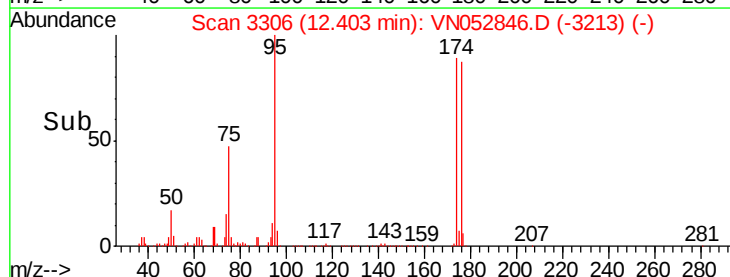
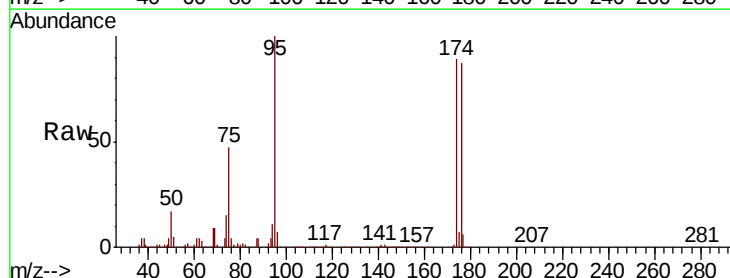
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#10

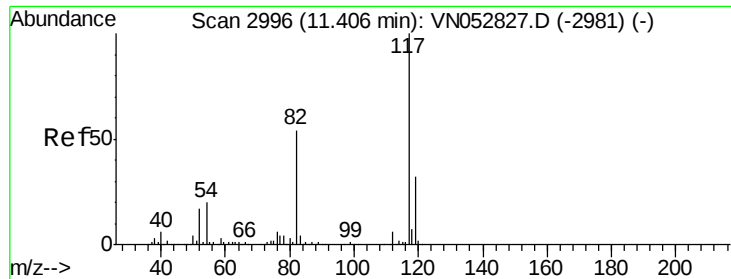
Tot Ion: 43 Resp: 347504
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion: 95 Resp: 726253
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.8
176 85.6 0.0 173.8

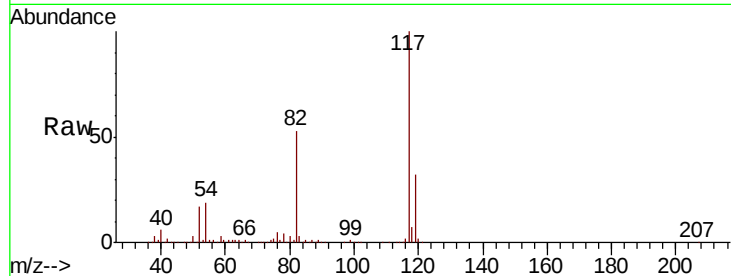




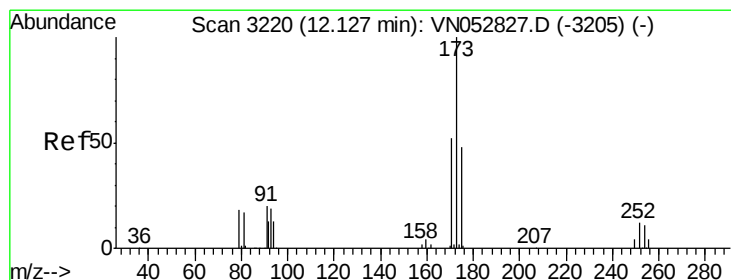
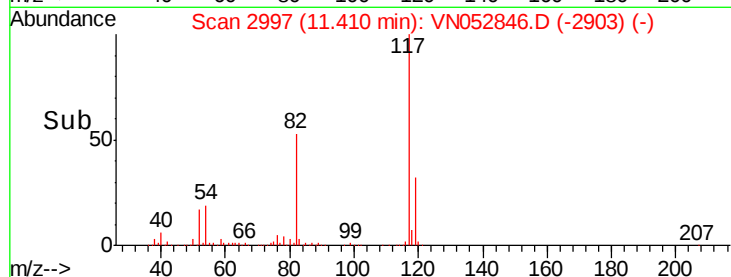
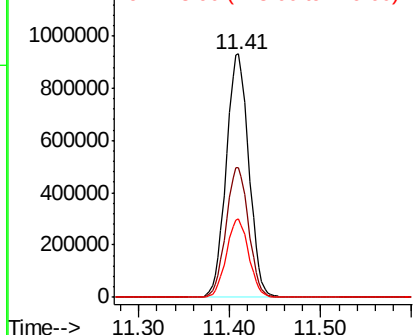
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#10

Tot Ion:117 Resp: 1605398
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.1 25.5 38.3

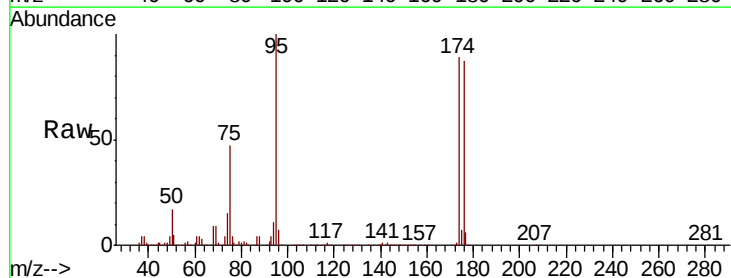


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

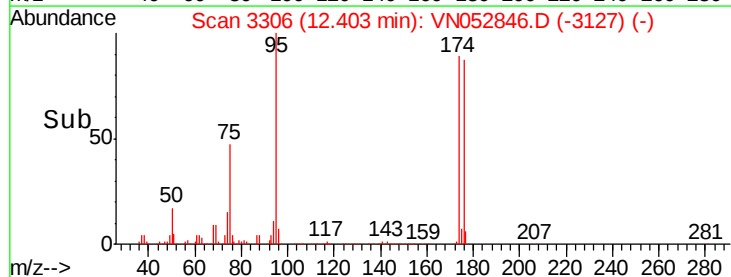
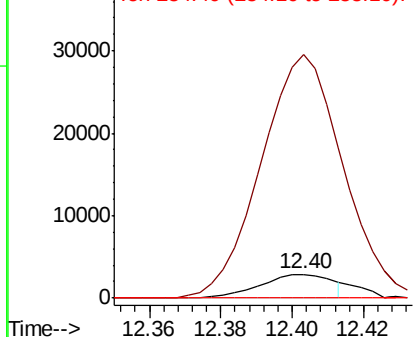


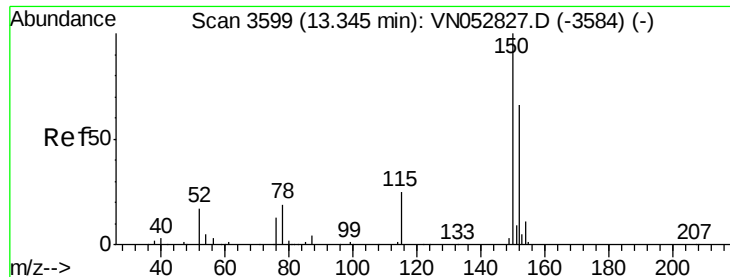
#71
Bromoform
Concen: 0.514 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052846.D
Acq: 12 Dec 2018 23:47

Tgt Ion:173 Resp: 4041
Ion Ratio Lower Upper
173 100
175 1000.3 24.3 72.9#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#10

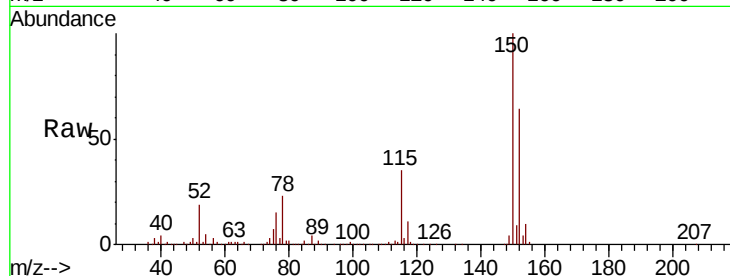
Tot Ion:152 Resp: 676864

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

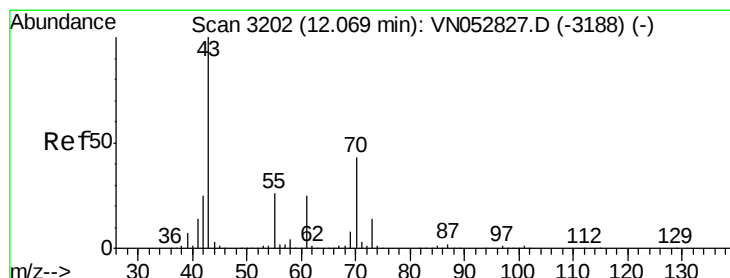
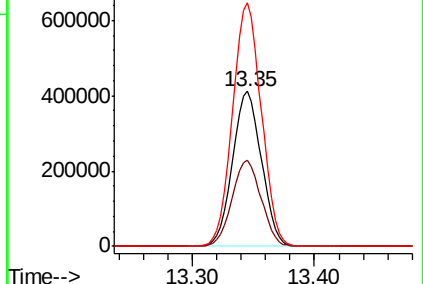
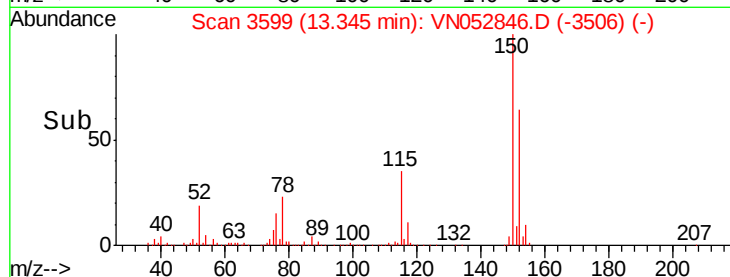
150 156.6 0.0 347.8



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: 3.208 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Tgt Ion: 43 Resp: 44506

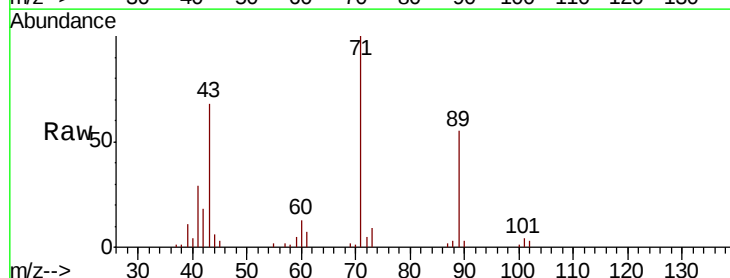
Ion Ratio Lower Upper

43 100

70 2.3 34.2 51.4#

55 4.0 20.3 30.5#

61 10.1 20.0 30.0#

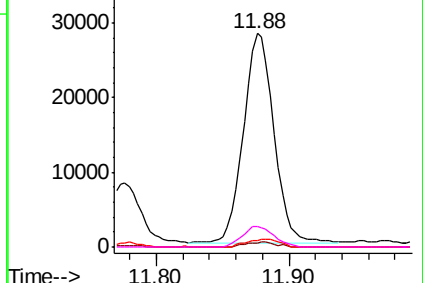
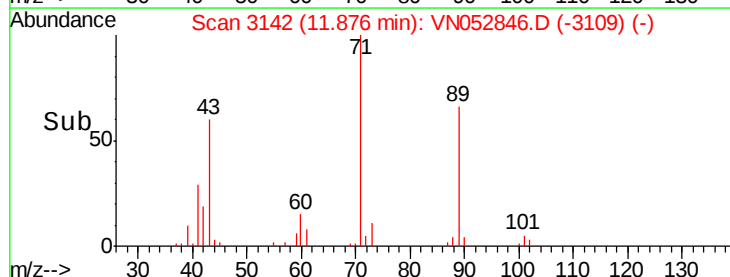


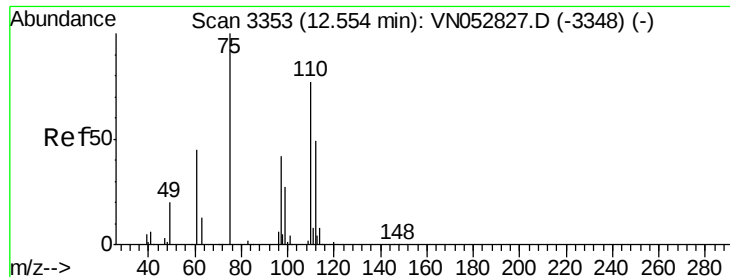
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.485 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

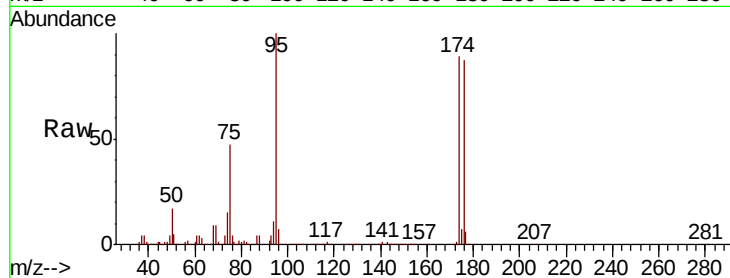
PB115564ZHE#10

Tot Ion: 75 Resp: 344376

Ion Ratio Lower Upper

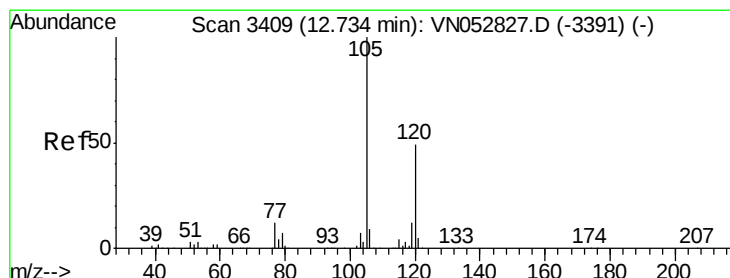
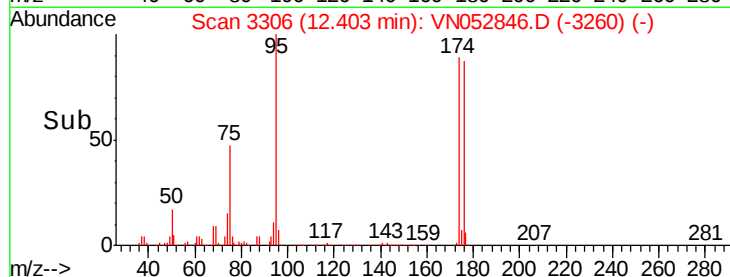
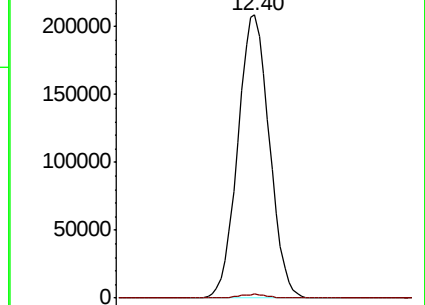
75 100

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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.698 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052846.D

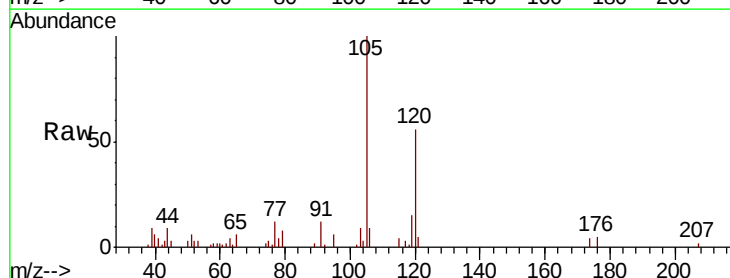
Acq: 12 Dec 2018 23:47

Tgt Ion: 105 Resp: 28486

Ion Ratio Lower Upper

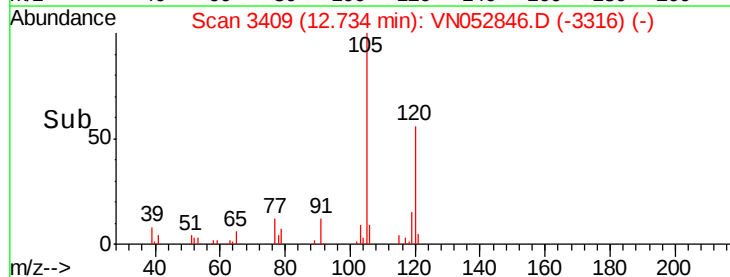
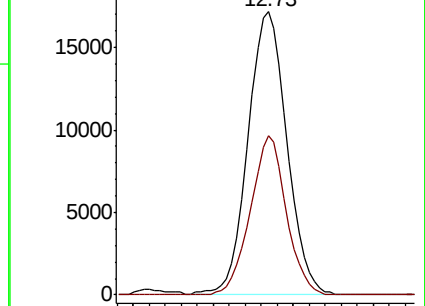
105 100

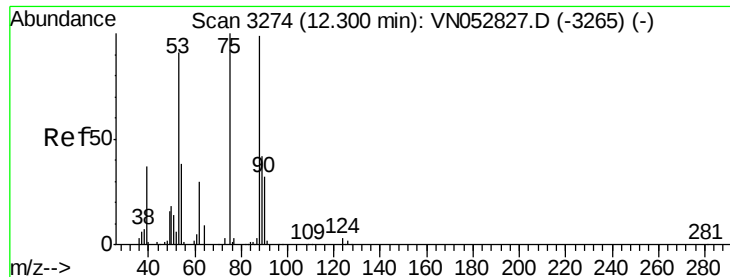
120 51.8 24.4 73.2



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 110.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052846.D

Acq: 12 Dec 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#10

Tot Ion: 75 Resp: 344376

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

