

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053267.D
 Acq On : 3 Jan 2019 17:24
 Operator : MD\SY
 Sample : PB116111ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#12

Quant Time: Jan 04 00:55:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

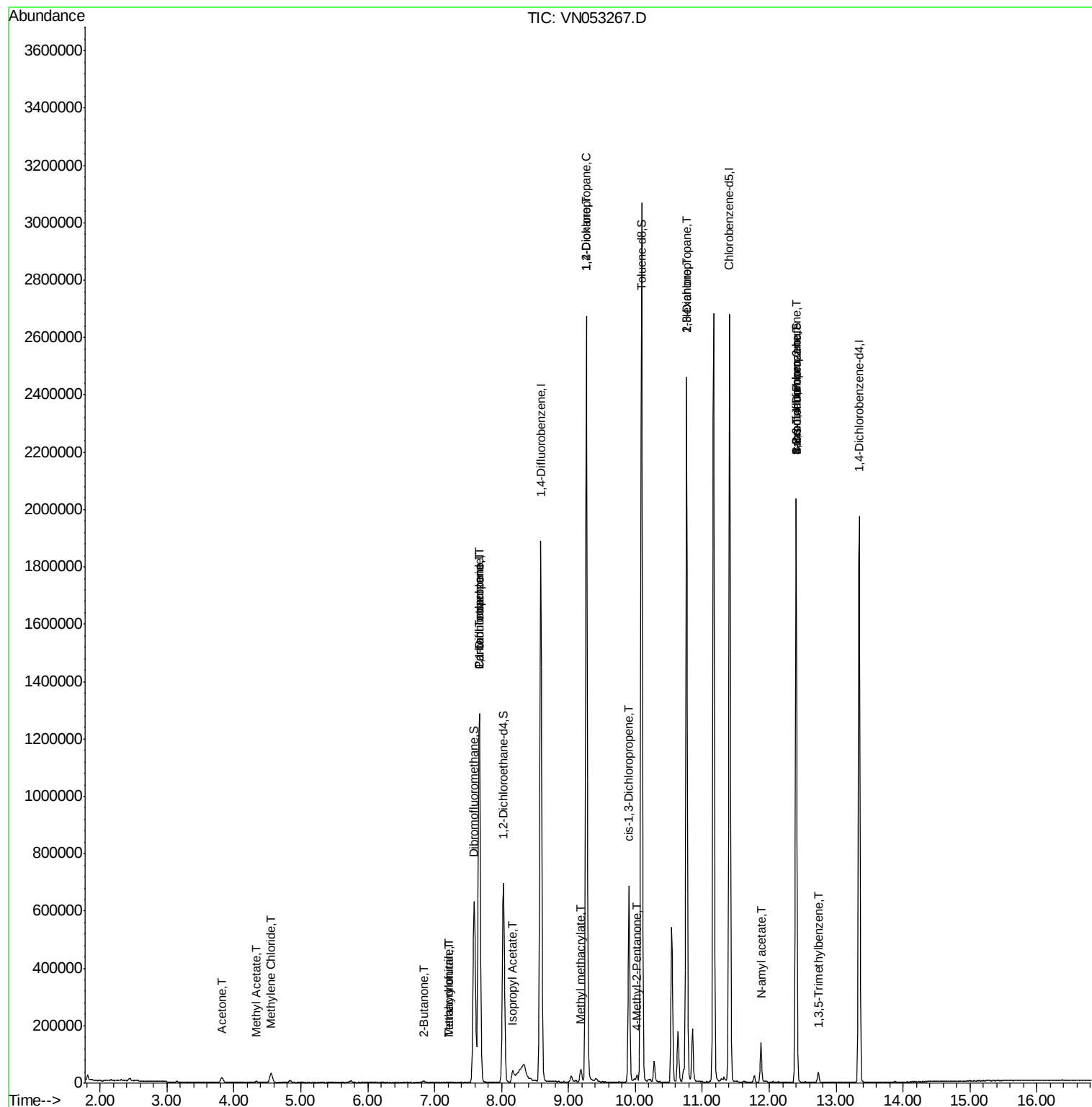
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1144477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1788032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1612309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	582843	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	570214	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
35) Dibromofluoromethane	7.59	113	490167	60.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.02%	
50) Toluene-d8	10.09	98	2201068	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	697094	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	31499	13.832	ug/l	93
18) Methyl Acetate	4.34	43	8814	1.828	ug/l #	67
20) Methylene Chloride	4.56	84	25562	2.058	ug/l	87
25) 2-Butanone	6.84	43	4436	1.161	ug/l	98
29) Tetrahydrofuran	7.21	42	1139	0.399	ug/l #	62
31) Cyclohexane	7.66	56	18201	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	73896	4.306	ug/l #	49
38) Carbon Tetrachloride	7.67	117	99183	6.305	ug/l #	16
41) Methacrylonitrile	7.21	41	1277	0.231	ug/l #	20
43) Isopropyl Acetate	8.17	43	58003	2.128	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3719	0.280	ug/l #	44
48) Methyl methacrylate	9.18	41	14106	1.517	ug/l #	12
49) 1,4-Dioxane	9.27	88	281	2.389	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	20083	2.165	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	129938	6.538	ug/l #	61
57) 1,3-Dichloropropane	10.77	76	26585	1.404	ug/l #	42
59) 2-Hexanone	10.76	43	342789	54.607	ug/l #	51
71) Bromoform	12.40	173	4368	0.486	ug/l #	1
74) N-amyl acetate	11.88	43	41167	3.252	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	323559	32.977	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	18325	0.493	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	323559	106.290	ug/l #	12

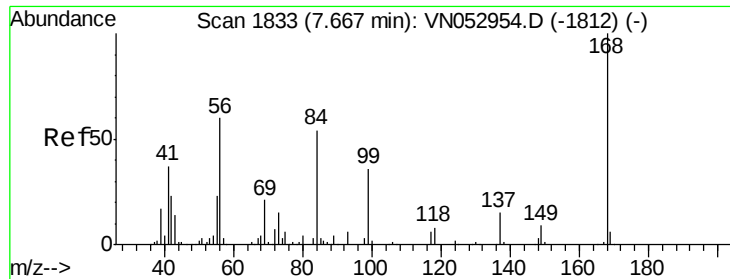
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

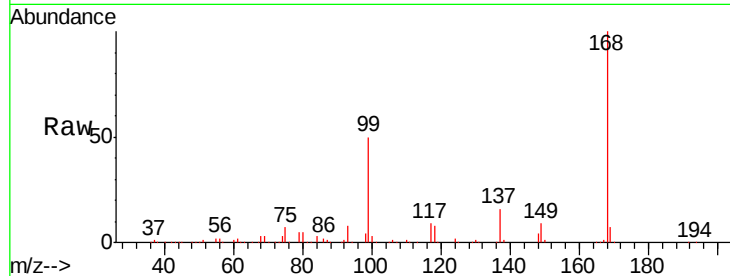
PB116111ZHE#12

Tgt Ion:168 Resp: 1144477

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

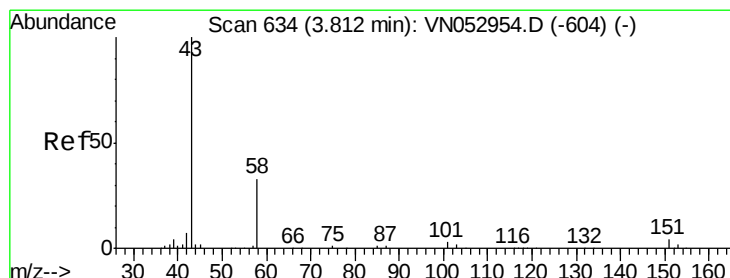
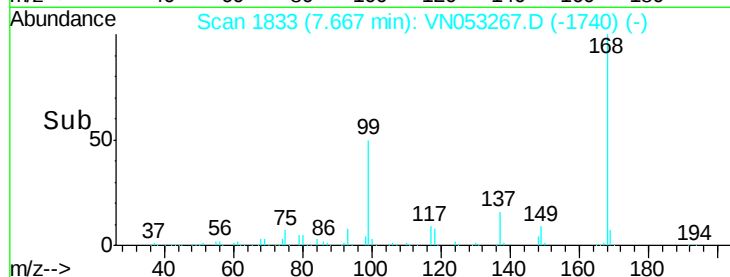
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 13.832 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053267.D

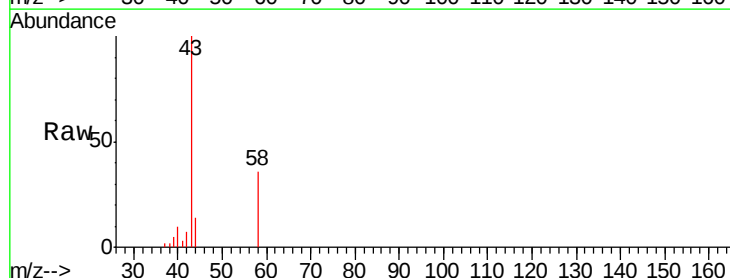
Acq: 3 Jan 2019 17:24

Tgt Ion: 43 Resp: 31499

Ion Ratio Lower Upper

43 100

58 35.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

12000

10000

8000

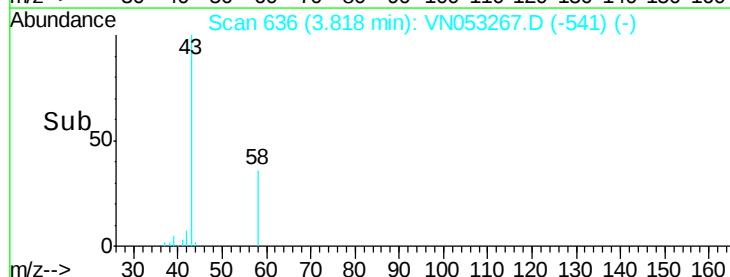
6000

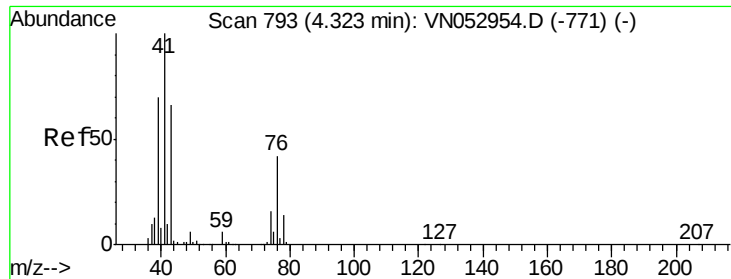
4000

2000

0

Time-->

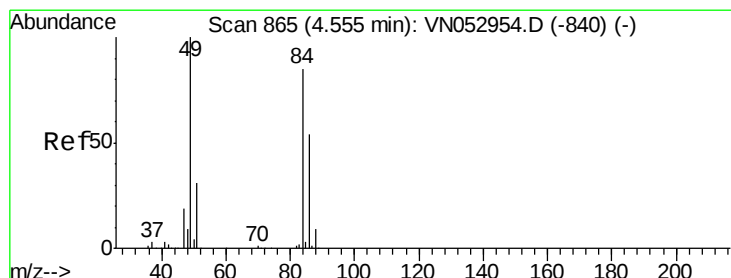
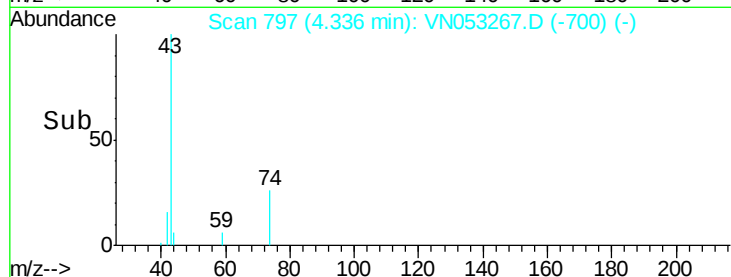
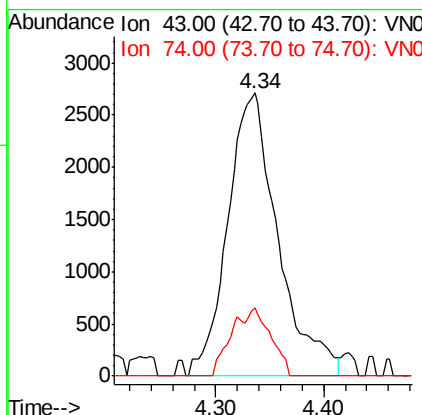
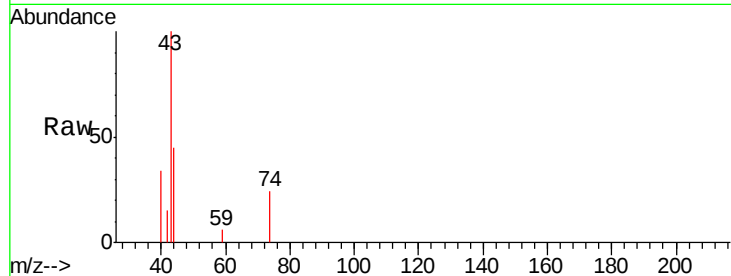




#18
Methyl Acetate
Concen: 1.828 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

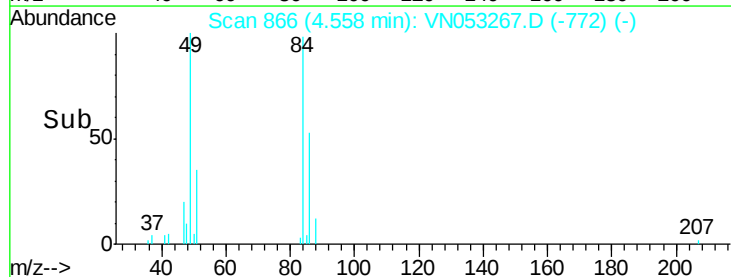
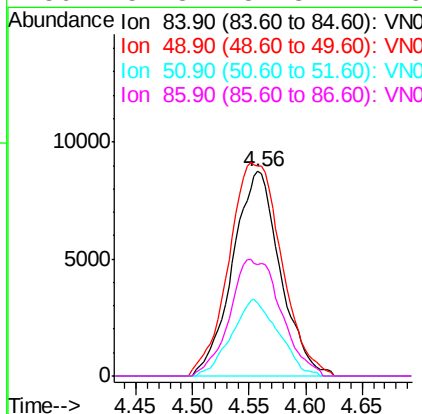
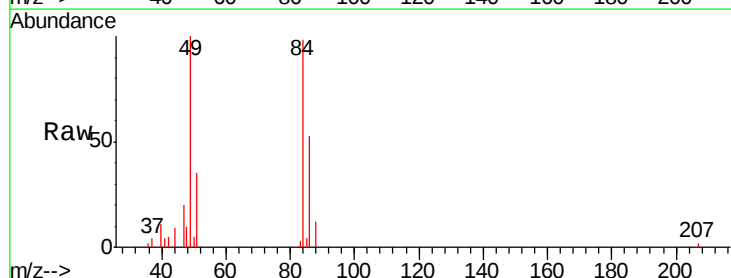
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#12

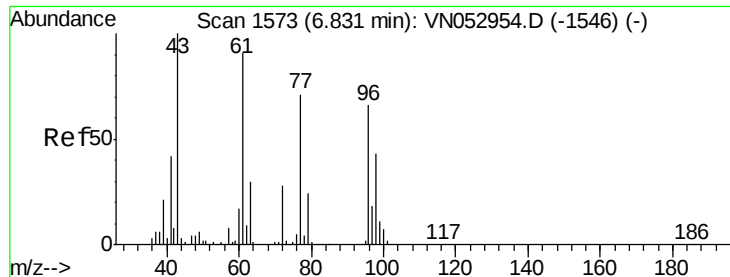
Tgt Ion: 43 Resp: 8814
Ion Ratio Lower Upper
43 100
74 7.5 19.2 28.8#



#20
Methylene Chloride
Concen: 2.058 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Tgt Ion: 84 Resp: 25562
Ion Ratio Lower Upper
84 100
49 102.5 96.8 145.2
51 35.9 29.9 44.9
86 54.3 51.8 77.6





#25

2-Butanone

Concen: 1.161 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

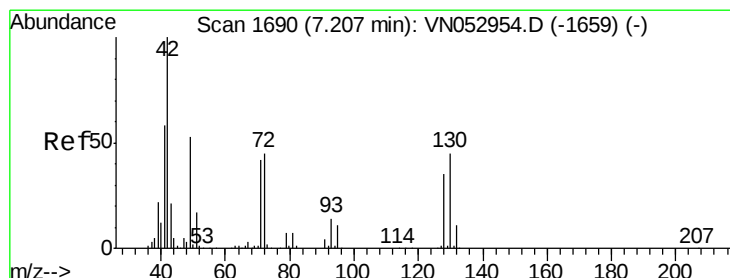
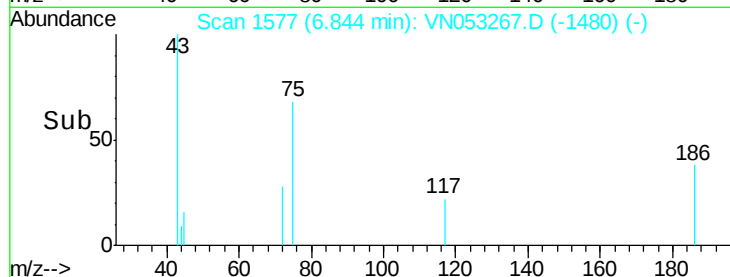
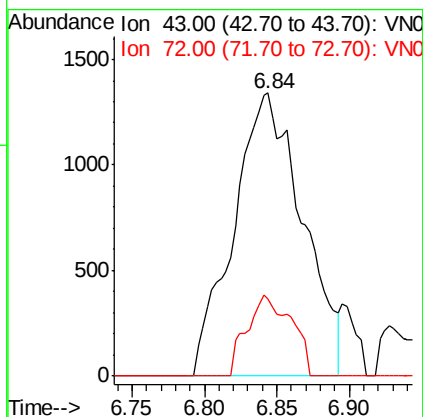
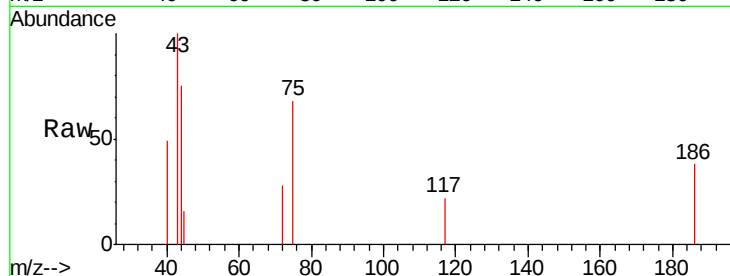
PB116111ZHE#12

Tgt Ion: 43 Resp: 4436

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.399 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

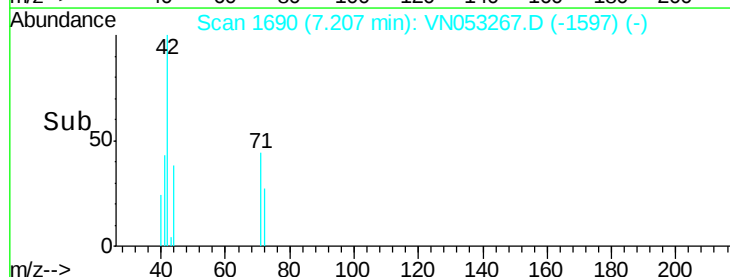
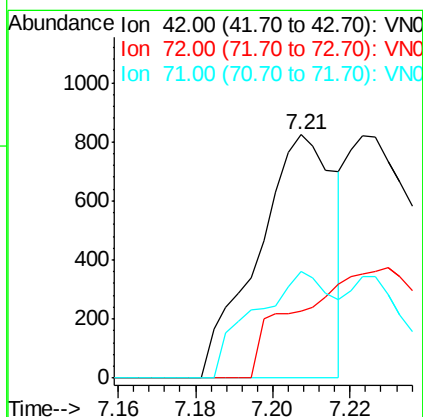
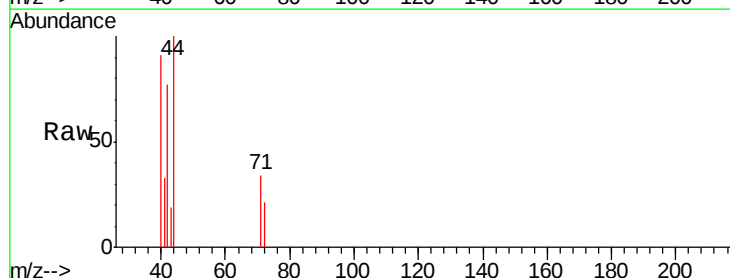
Tgt Ion: 42 Resp: 1139

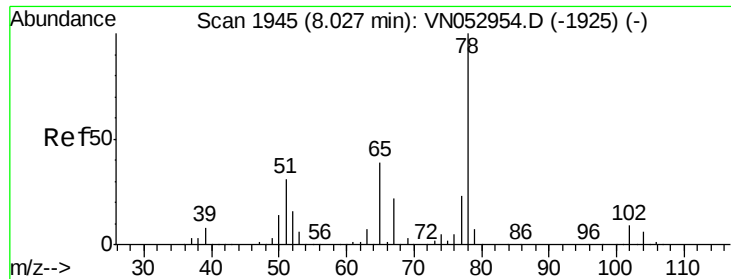
Ion Ratio Lower Upper

42 100

72 0.0 34.7 52.1#

71 44.3 32.3 48.5

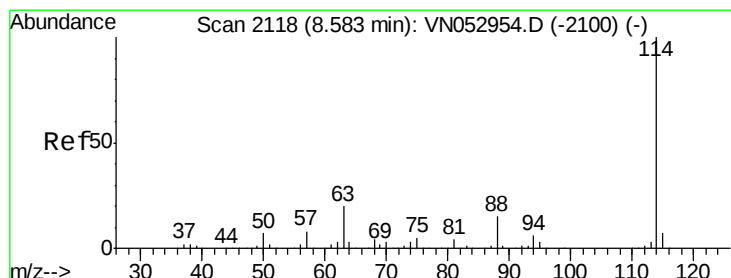
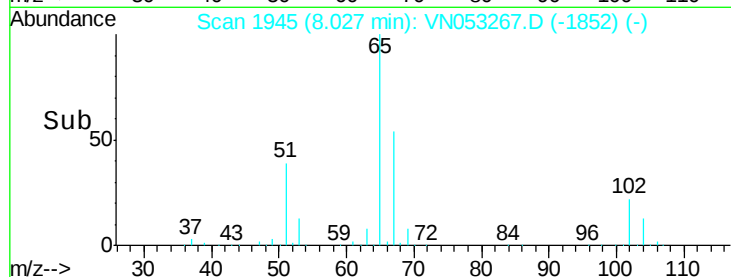
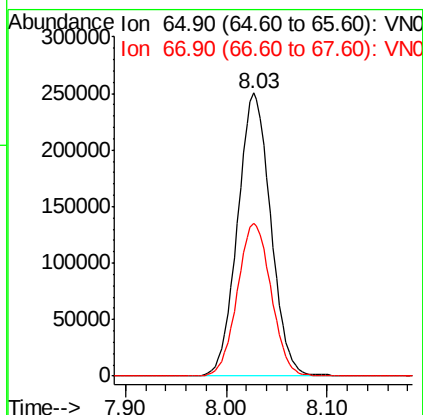
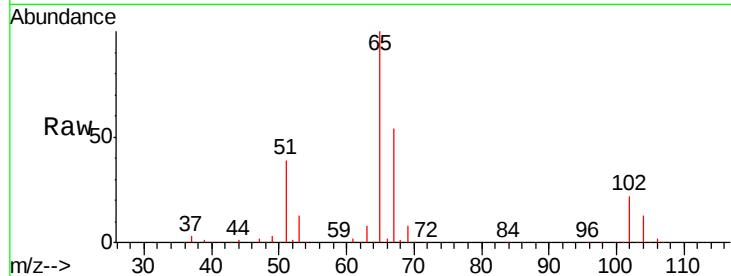




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053267.D
 Acq: 3 Jan 2019 17:24

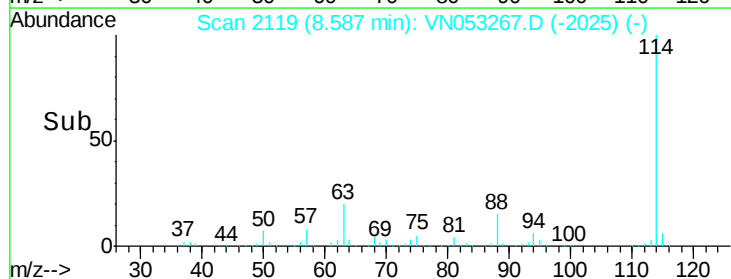
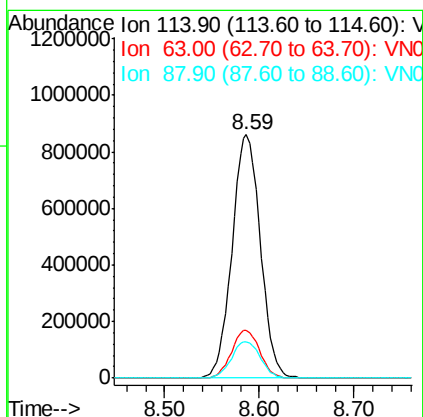
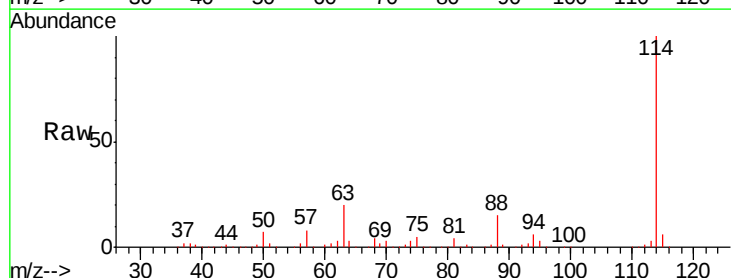
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#12

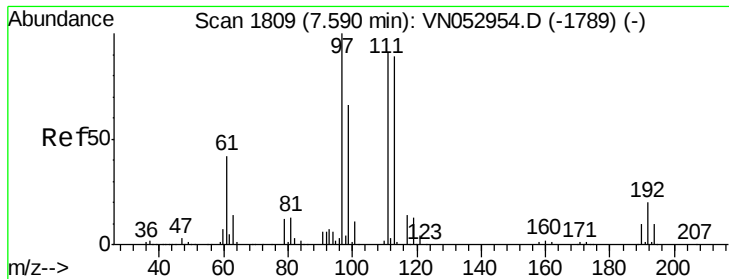
Tgt Ion: 65 Resp: 570214
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053267.D
 Acq: 3 Jan 2019 17:24

Tgt Ion: 114 Resp: 1788032
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

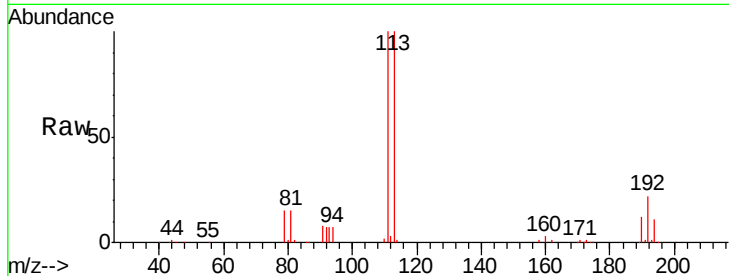
Delta R.T. -0.00 min

Lab File: VN053267.D

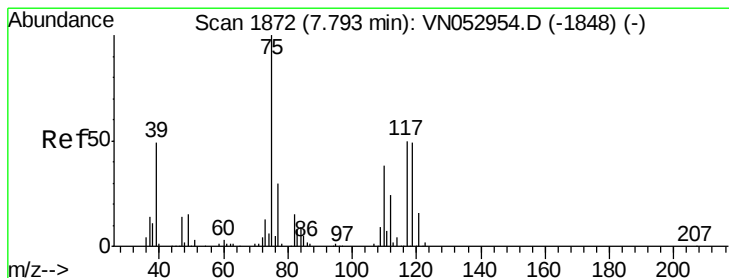
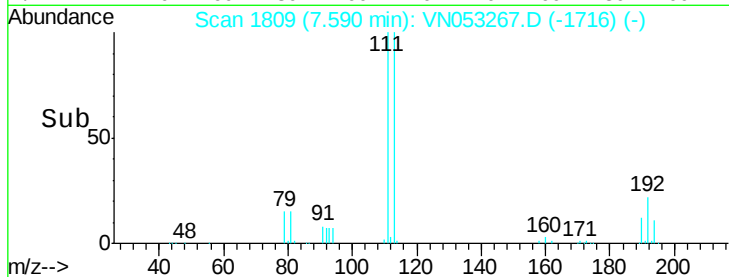
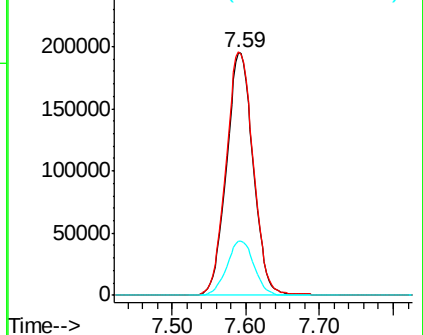
Acq: 3 Jan 2019 17:24

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MSVOA_N
ClientSampleId :
PB116111ZHE#12

Tgt Ion:	113	Resp:	490167
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	22.7	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: 4.306 ug/l

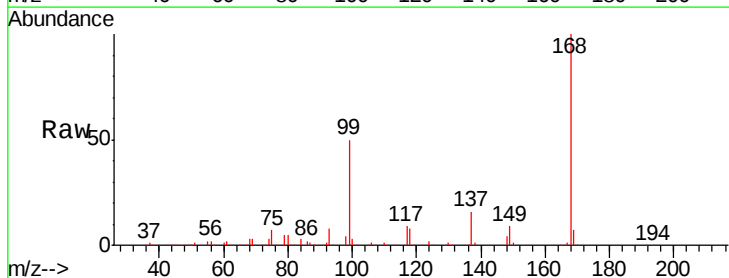
RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

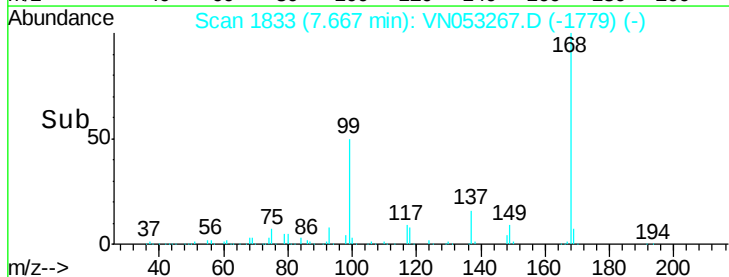
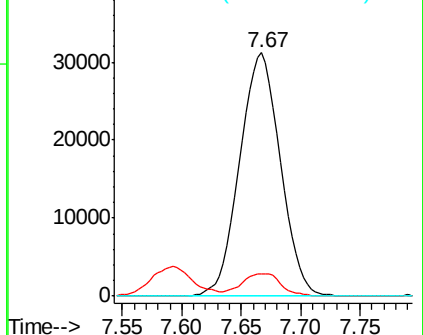
Lab File: VN053267.D

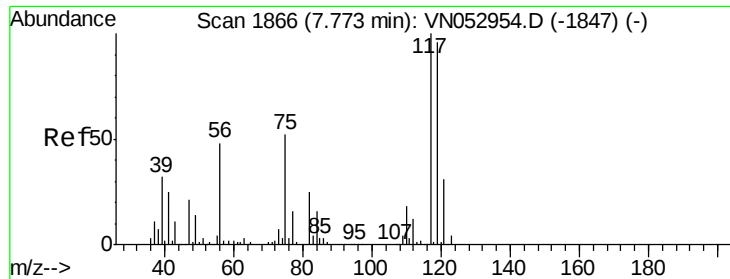
Acq: 3 Jan 2019 17:24

Tgt Ion:	75	Resp:	73896
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.2	54.6#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

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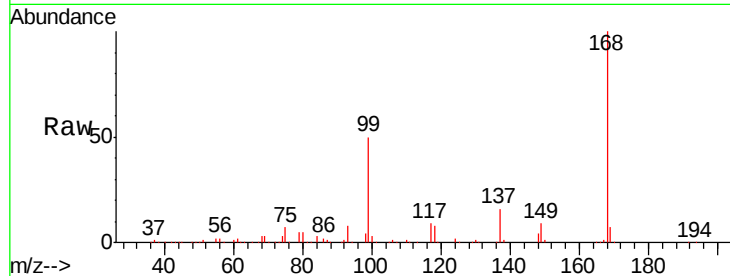
Tgt Ion:117 Resp: 99183

Ion Ratio Lower Upper

117 100

119 5.4 77.1 115.7#

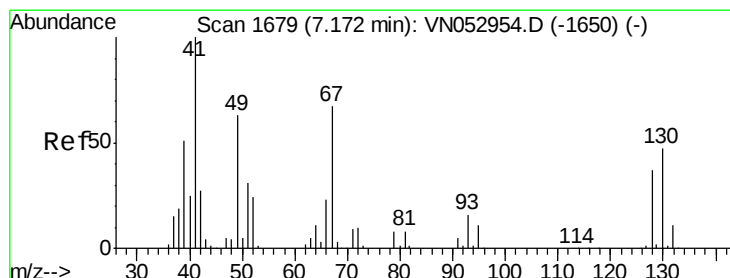
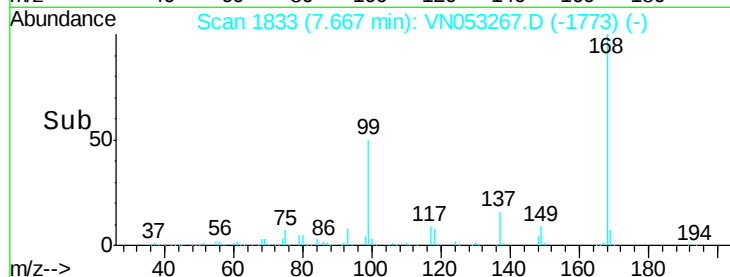
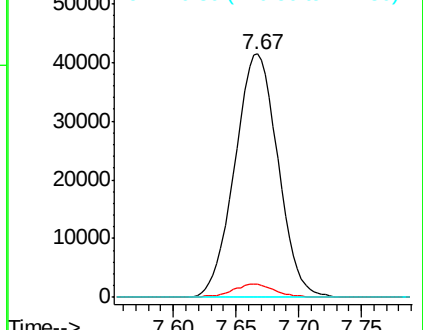
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.231 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Tgt Ion: 41 Resp: 1277

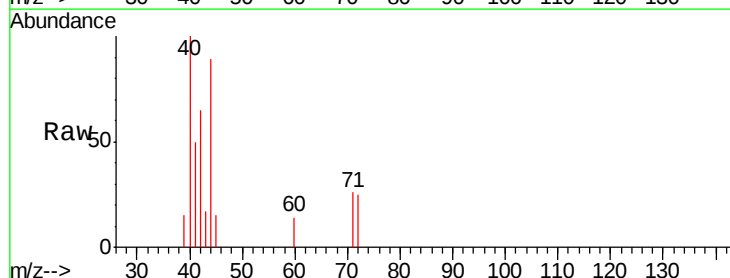
Ion Ratio Lower Upper

41 100

39 7.1 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

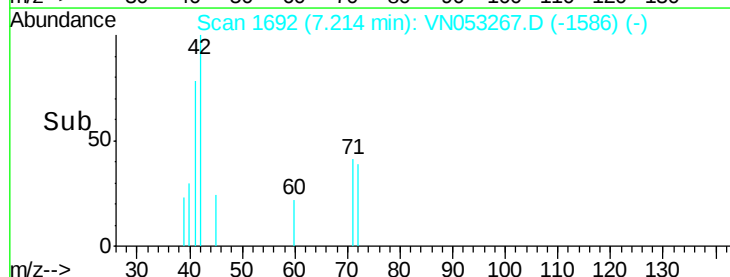
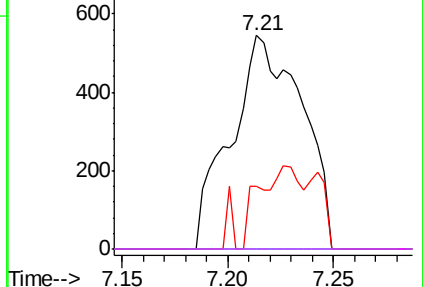


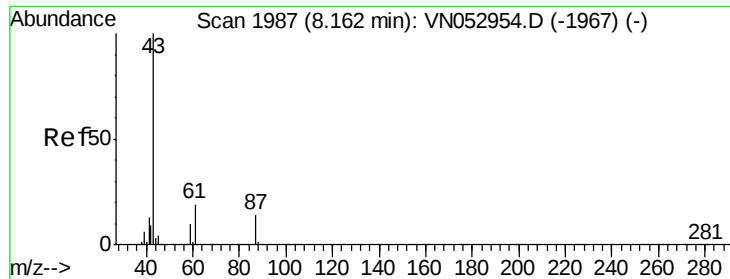
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.128 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

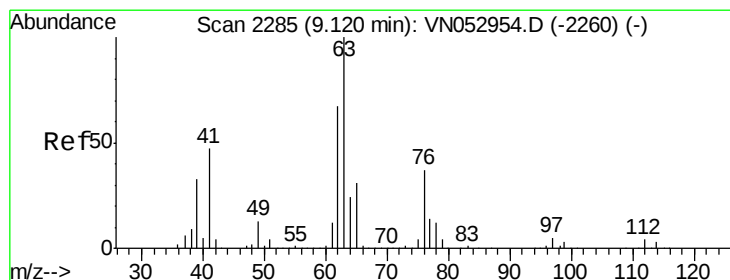
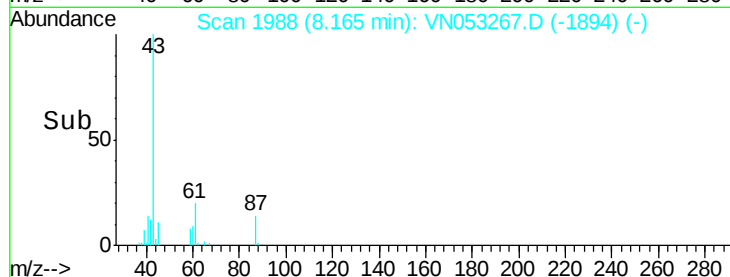
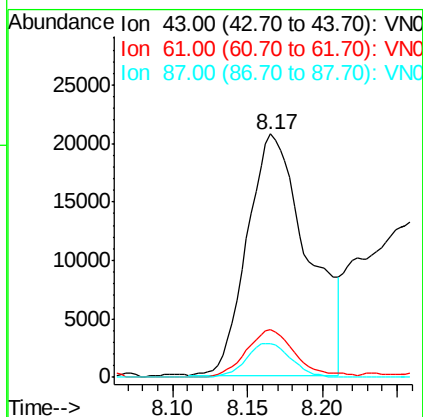
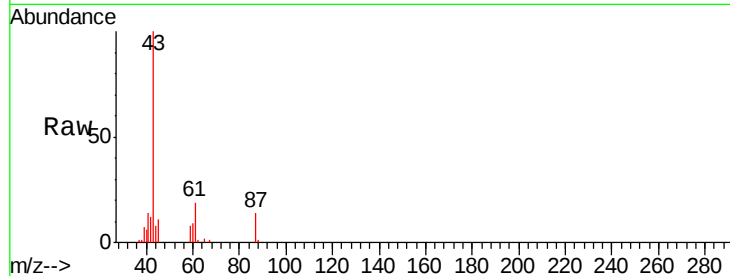
Tgt Ion: 43 Resp: 58003

Ion Ratio Lower Upper

43 100

61 16.1 22.9 34.3#

87 10.5 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.280 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053267.D

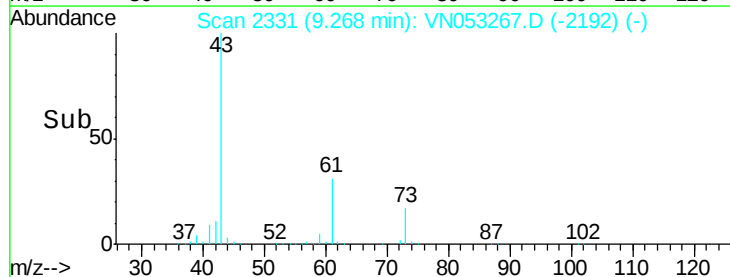
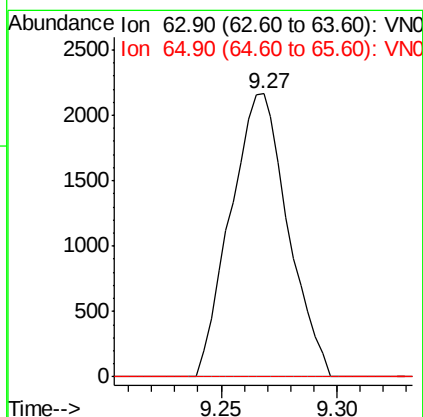
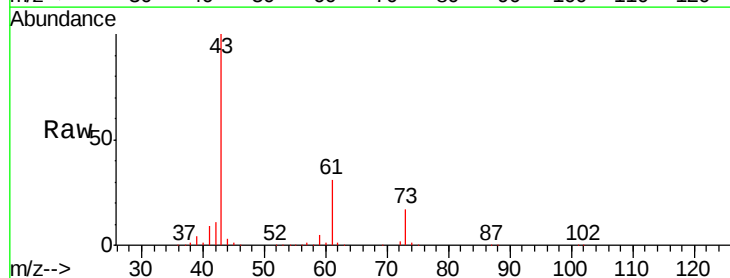
Acq: 3 Jan 2019 17:24

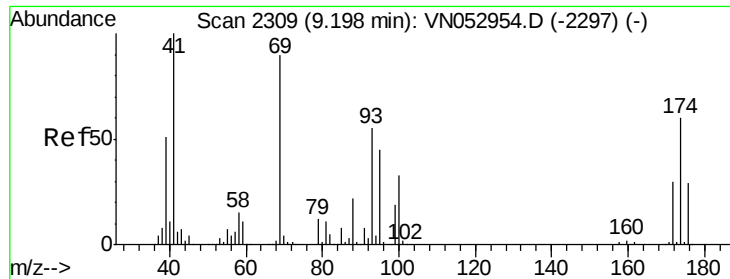
Tgt Ion: 63 Resp: 3719

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

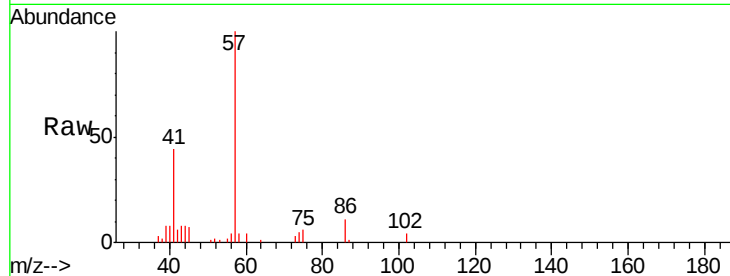




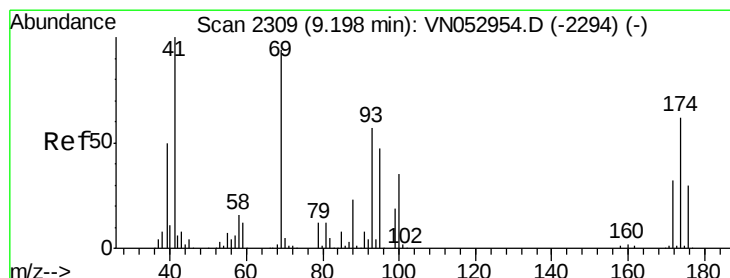
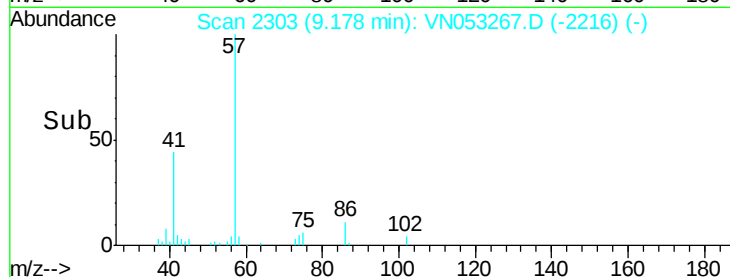
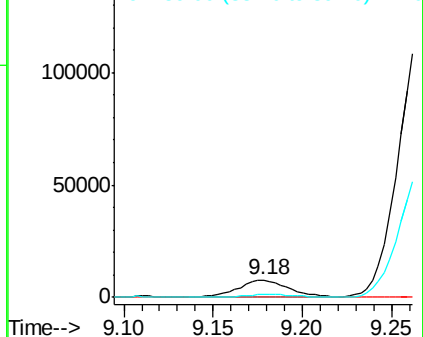
#48
Methyl methacrylate
Concen: 1.517 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#12

Tgt Ion: 41 Resp: 14106
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#

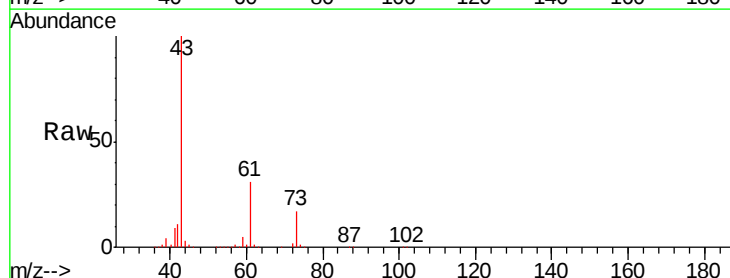


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

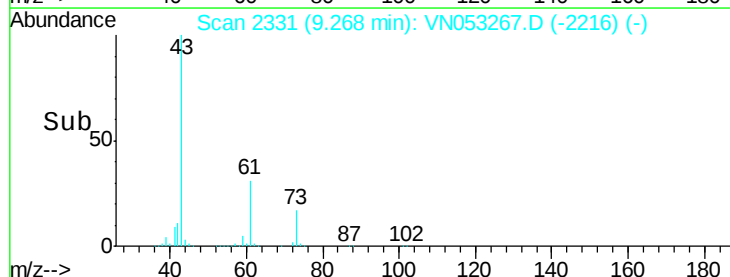
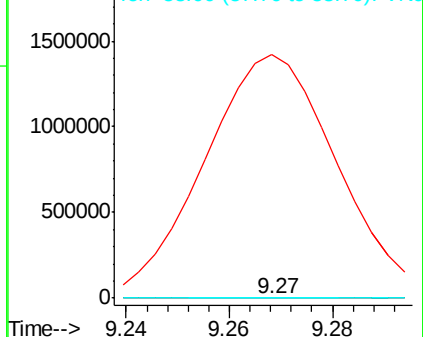


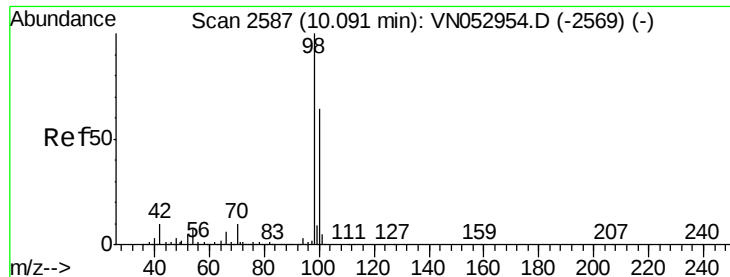
#49
1,4-Dioxane
Concen: 2.389 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Tgt Ion: 88 Resp: 281
Ion Ratio Lower Upper
88 100
43 919522.8 26.6 40.0#
58 3951.6 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 2.389 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

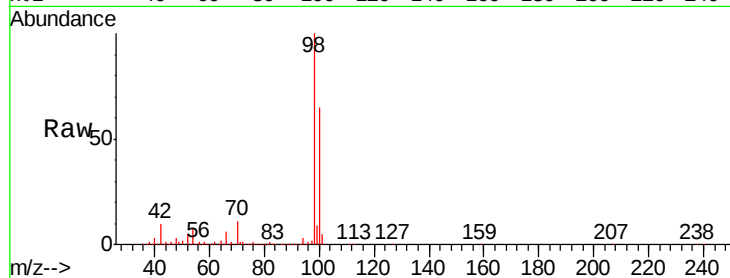
PB116111ZHE#12

Tgt Ion: 98 Resp: 2201068

Ion Ratio Lower Upper

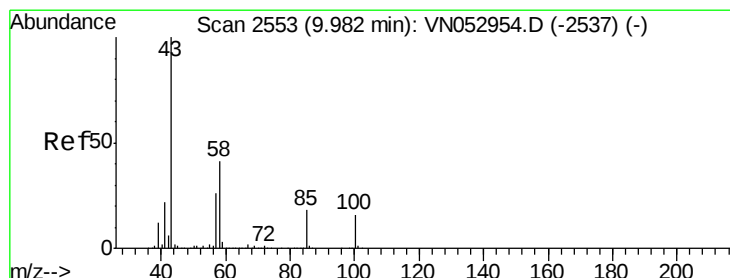
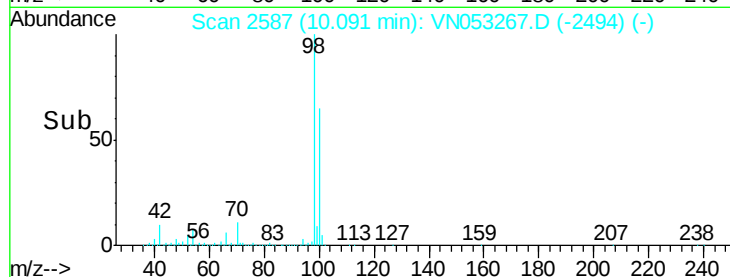
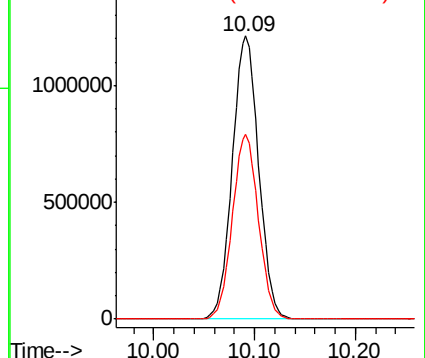
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053267.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053267.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.165 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053267.D

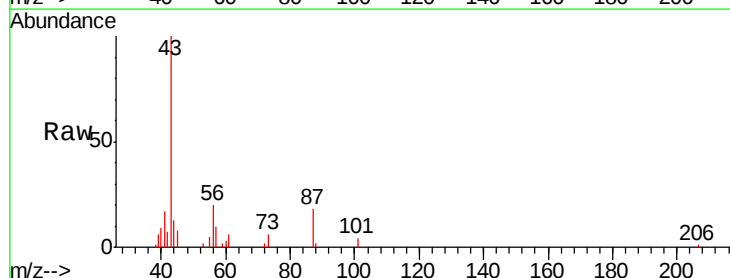
Acq: 3 Jan 2019 17:24

Tgt Ion: 43 Resp: 20083

Ion Ratio Lower Upper

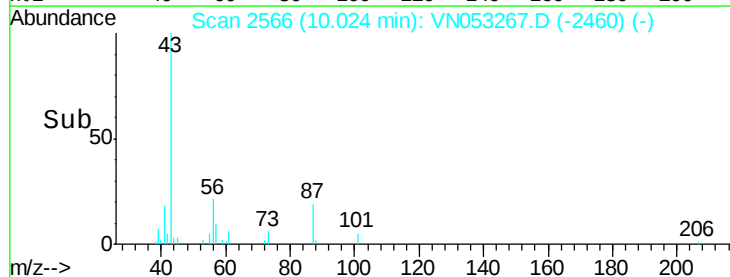
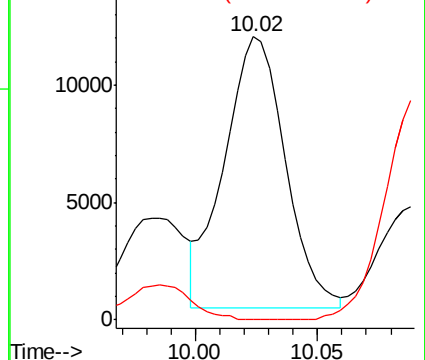
43 100

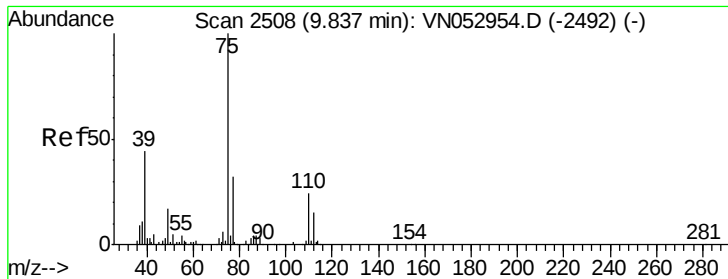
58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053267.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053267.D (-2460) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.538 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

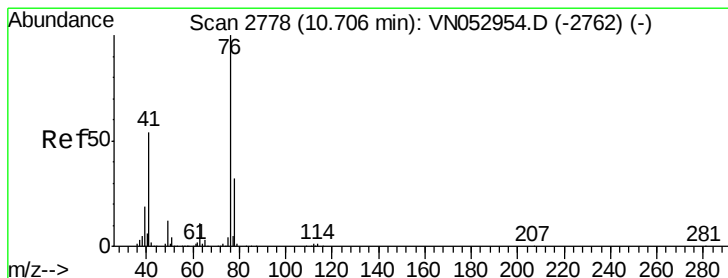
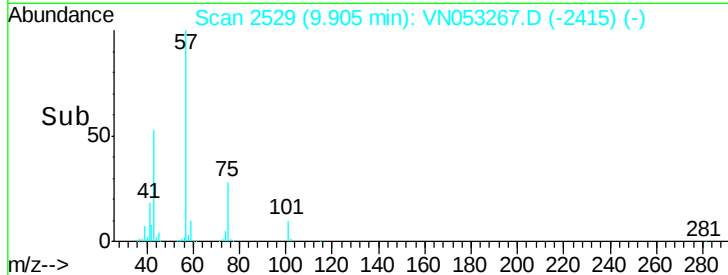
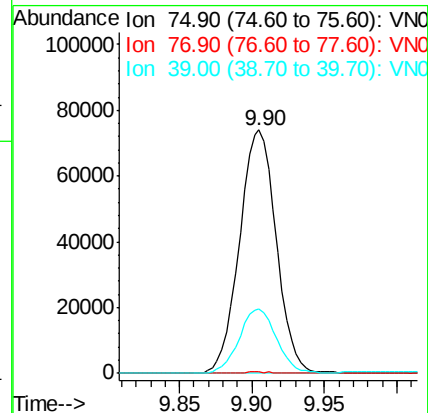
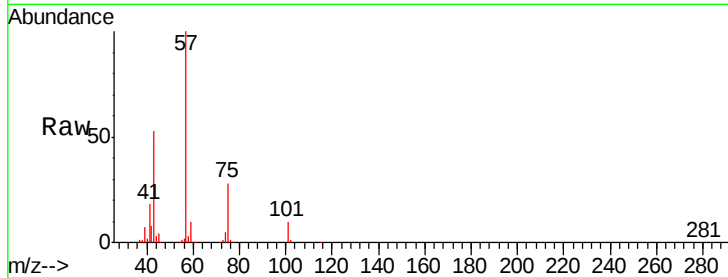
Tgt Ion: 75 Resp: 129938

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 26.4 34.8 52.2#



#57

1,3-Dichloropropane

Concen: 1.404 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053267.D

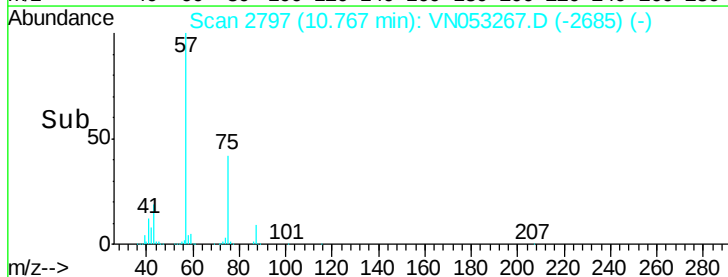
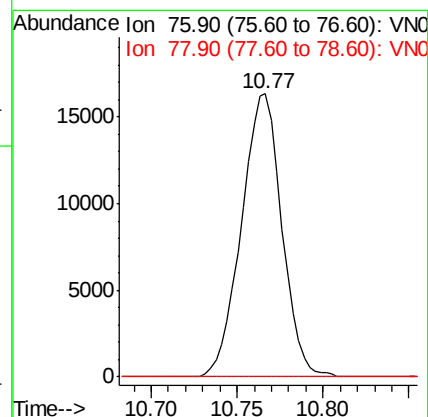
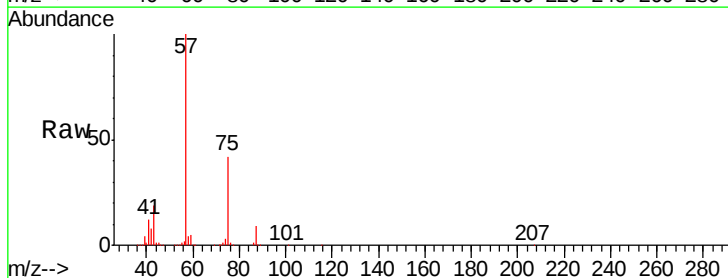
Acq: 3 Jan 2019 17:24

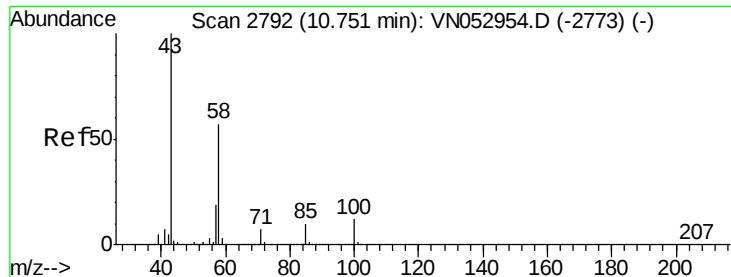
Tgt Ion: 76 Resp: 26585

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

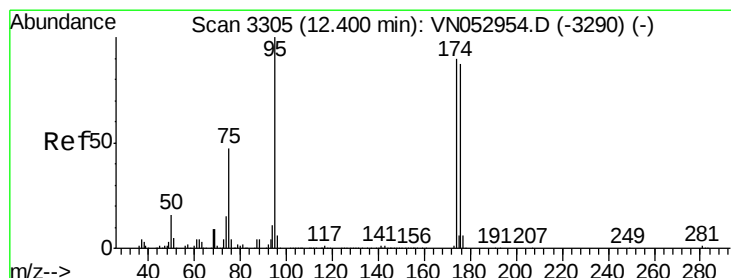
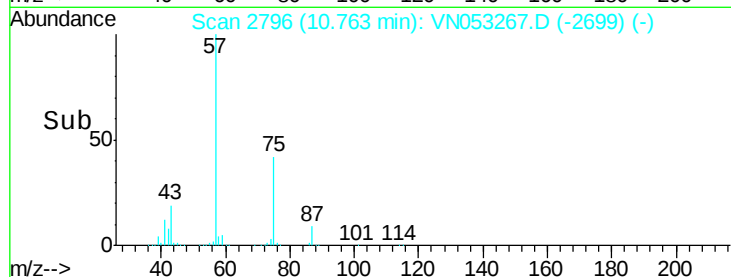
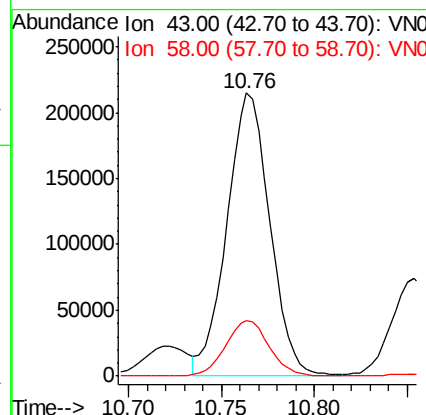
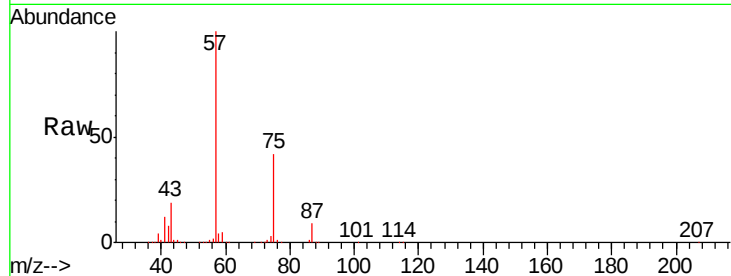




#59
2-Hexanone
Concen: 54.607 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

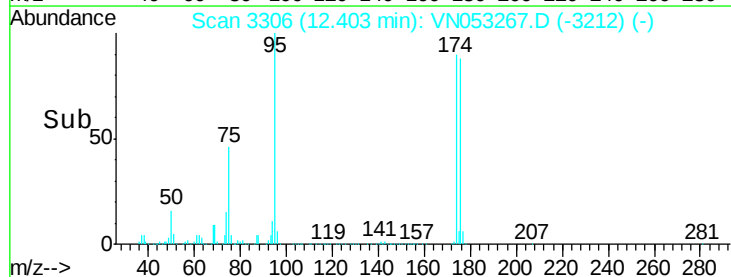
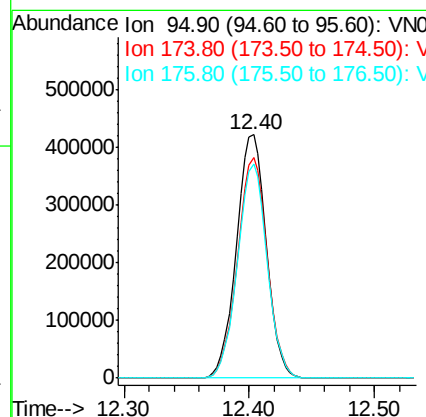
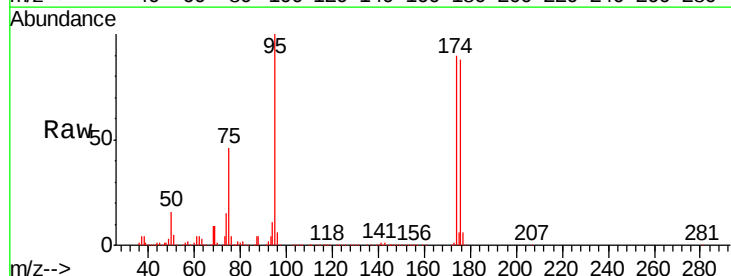
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#12

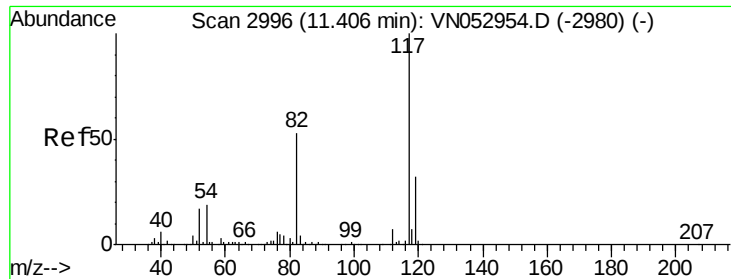
Tgt Ion: 43 Resp: 342789
Ion Ratio Lower Upper
43 100
58 20.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Tgt Ion: 95 Resp: 697094
Ion Ratio Lower Upper
95 100
174 90.2 0.0 178.8
176 87.1 0.0 173.8

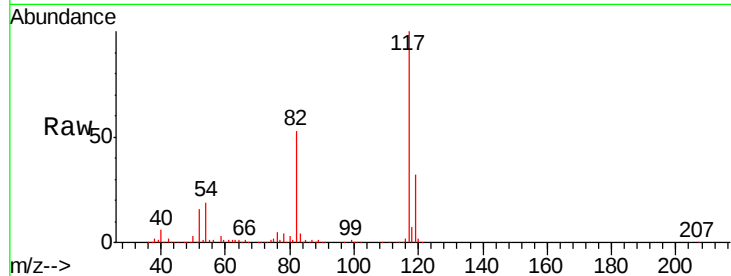




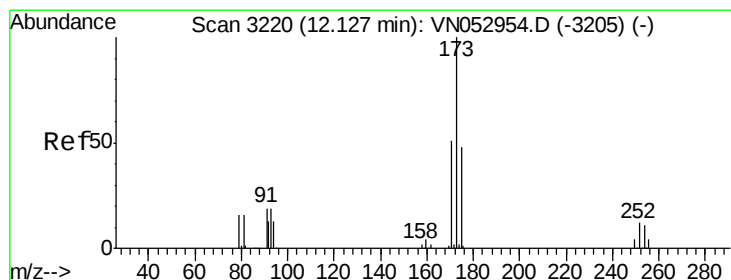
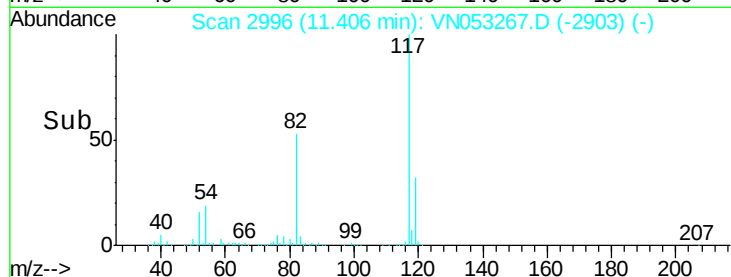
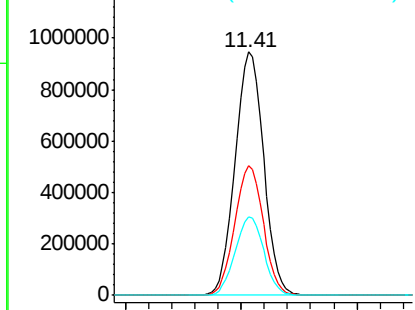
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#12

Tgt Ion:117 Resp: 1612309
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.0 25.5 38.3

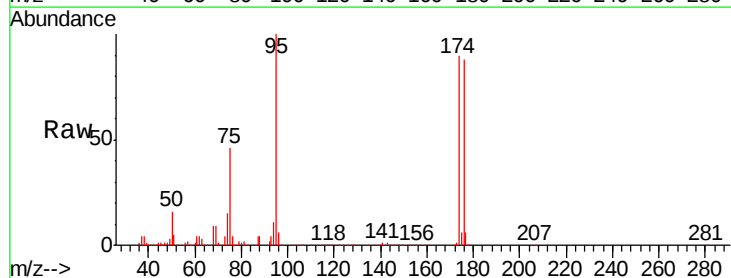


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

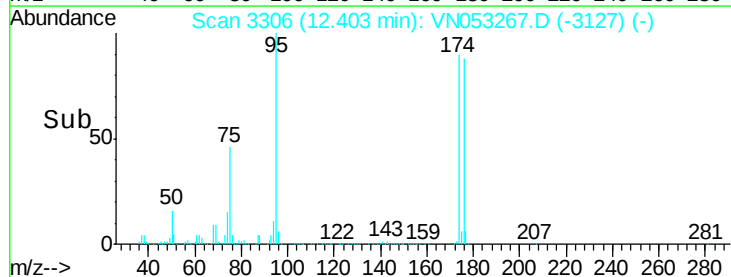
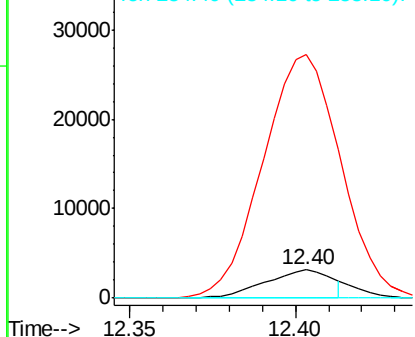


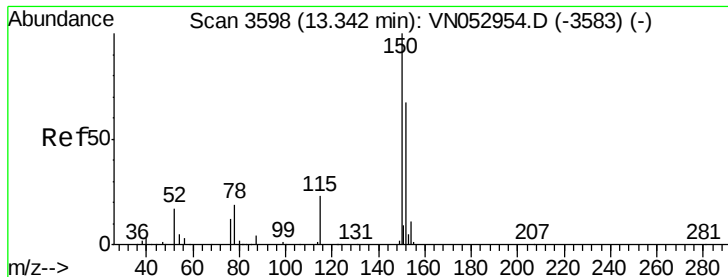
#71
Bromoform
Concen: 0.486 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053267.D
Acq: 3 Jan 2019 17:24

Tgt Ion:173 Resp: 4368
Ion Ratio Lower Upper
173 100
175 895.6 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: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

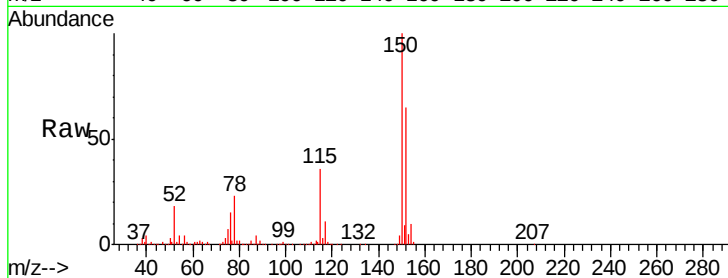
Tgt Ion:152 Resp: 582843

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

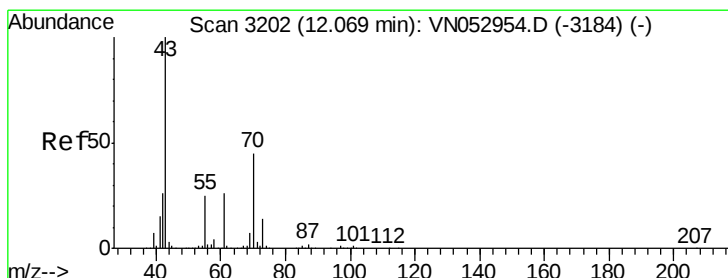
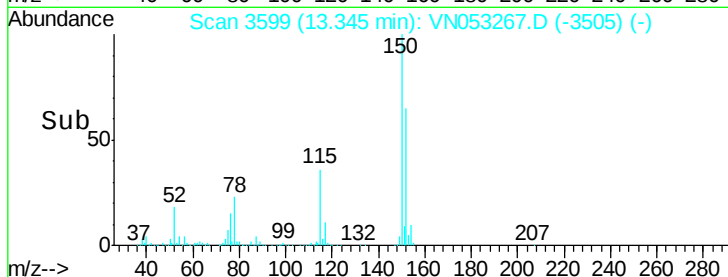
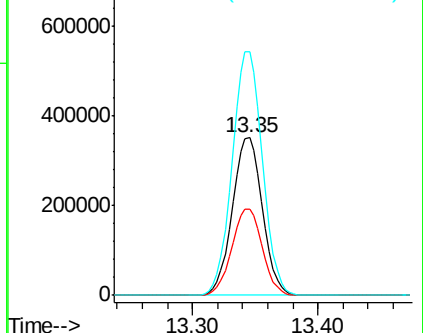
150 155.8 0.0 347.8



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: 3.252 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Tgt Ion: 43 Resp: 41167

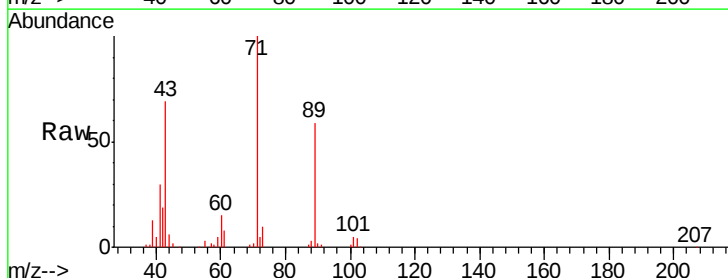
Ion Ratio Lower Upper

43 100

70 2.3 34.2 51.4#

55 4.3 20.3 30.5#

61 11.7 20.0 30.0#

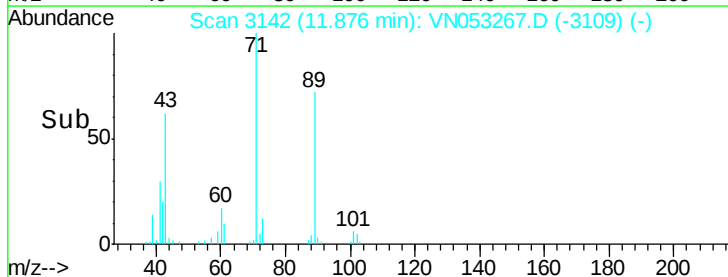
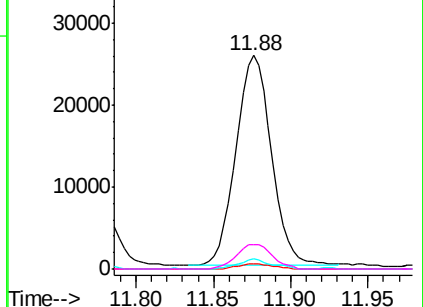


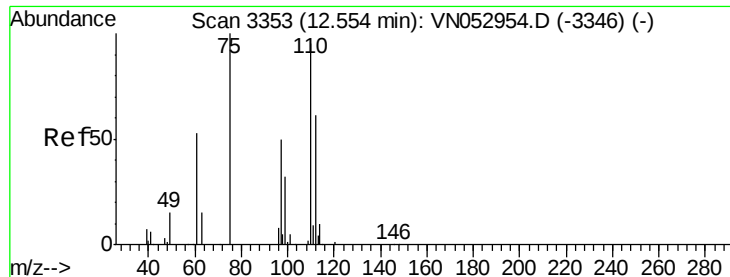
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#76

1,2,3-Trichloropropane

Concen: 32.977 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

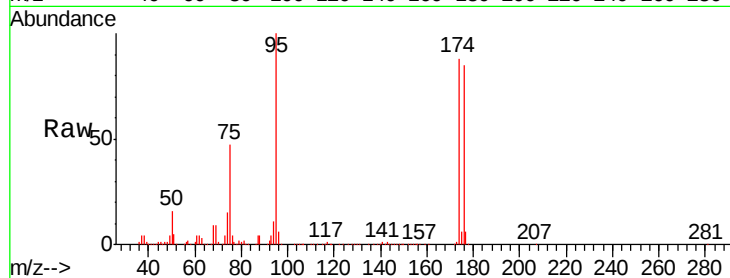
PB116111ZHE#12

Tgt Ion: 75 Resp: 323559

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053267.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN053267.D (-3305) (-)

12.40

200000

150000

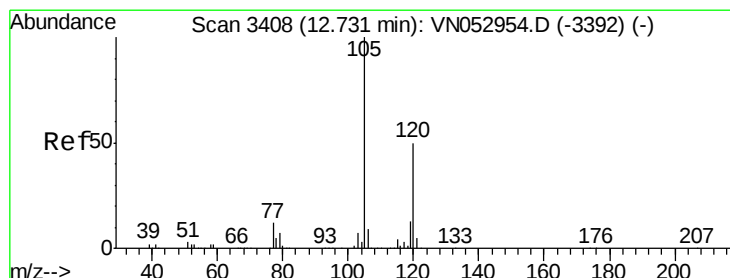
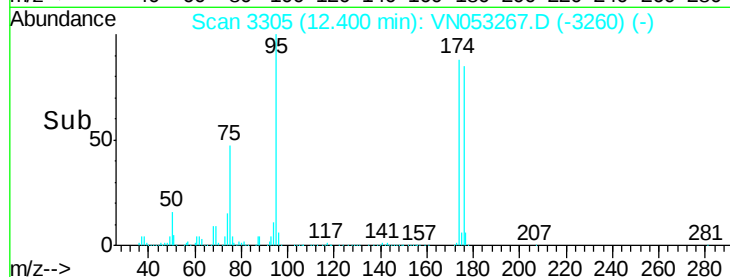
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.493 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053267.D

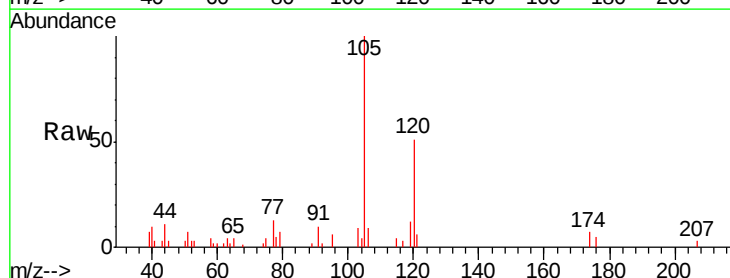
Acq: 3 Jan 2019 17:24

Tgt Ion: 105 Resp: 18325

Ion Ratio Lower Upper

105 100

120 51.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053267.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053267.D (-3315) (-)

12.73

12000

10000

8000

6000

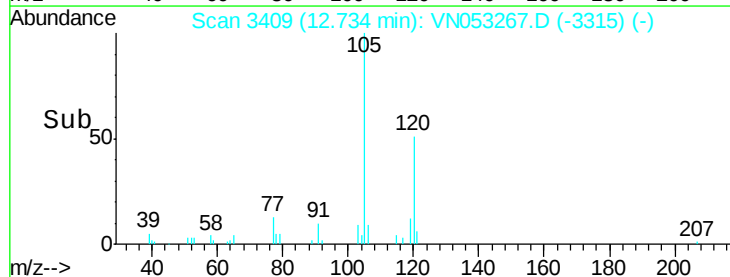
4000

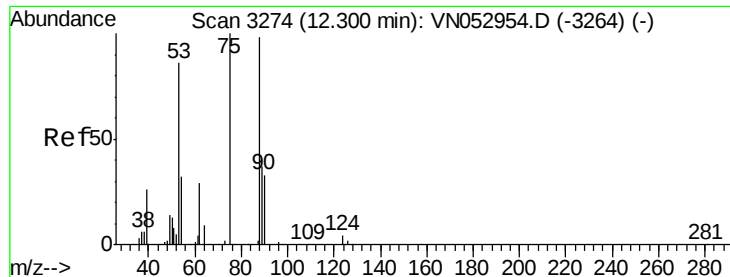
2000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.290 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053267.D

Acq: 3 Jan 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#12

Tgt Ion: 75 Resp: 323559

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

