

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053851.D
 Acq On : 18 Feb 2019 18:49
 Operator : JC/SP
 Sample : PB117159ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#15

Quant Time: Feb 19 03:03:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	655871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1108136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	391406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	346434	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	349976	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	1404184	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.40	95	429342	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

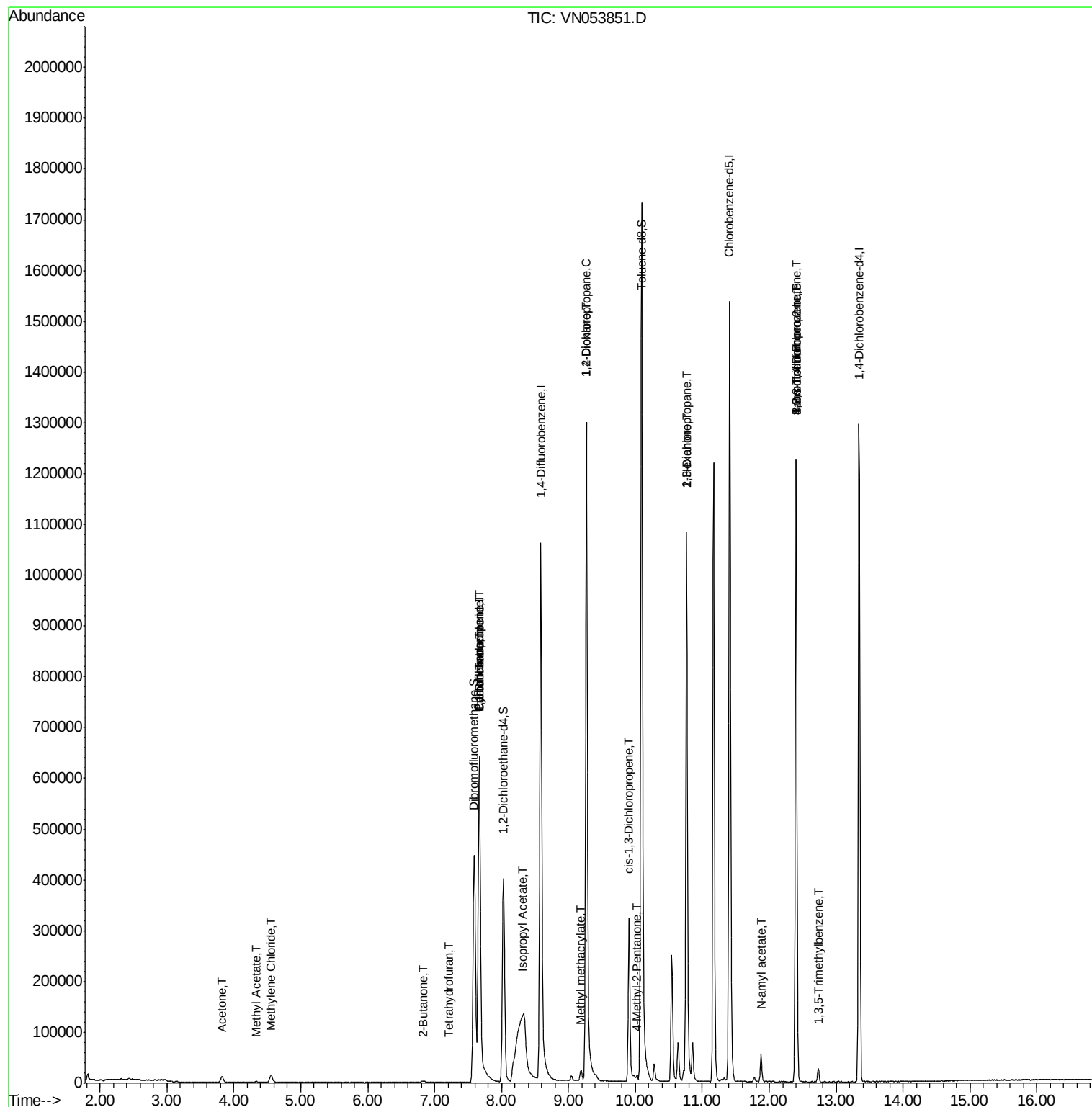
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	20332	12.047	ug/l	99
18) Methyl Acetate	4.33	43	2465	0.493	ug/l	91
20) Methylene Chloride	4.56	84	11502	1.624	ug/l	98
25) 2-Butanone	6.83	43	1101	0.457	ug/l #	83
29) Tetrahydrofuran	7.21	42	570	0.369	ug/l #	37
31) Cyclohexane	7.67	56	9332	0.672	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37505	3.755	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53336	5.300	ug/l #	16
43) Isopropyl Acetate	8.31	43	275233	25.546	ug/l #	52
45) 1,2-Dichloropropane	9.27	63	1781	0.226	ug/l #	43
48) Methyl methacrylate	9.18	41	8648	1.682	ug/l #	12
49) 1,4-Dioxane	9.27	88	143	40.942	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	8068	1.524	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	65683	5.605	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	11917	1.058	ug/l #	43
59) 2-Hexanone	10.76	43	159991	44.513	ug/l #	51
71) Bromoform	12.40	173	1826	0.346	ug/l #	1
74) N-amyl acetate	11.88	43	17153	2.592	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	200567	39.895	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	14638	0.642	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	200567	112.182	ug/l #	15

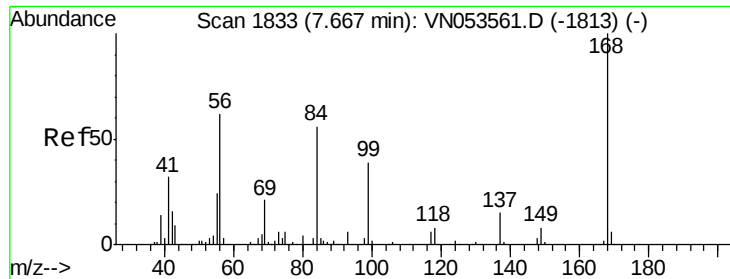
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

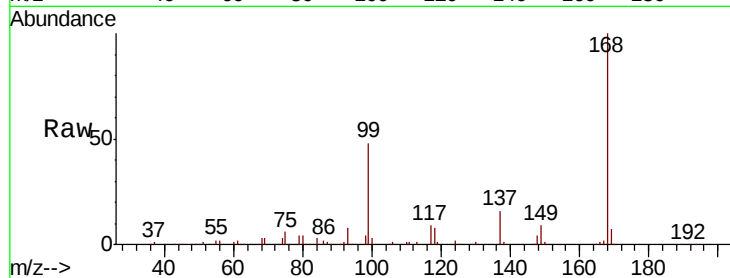
PB117159ZHE#15

Tgt Ion:168 Resp: 655871

Ion Ratio Lower Upper

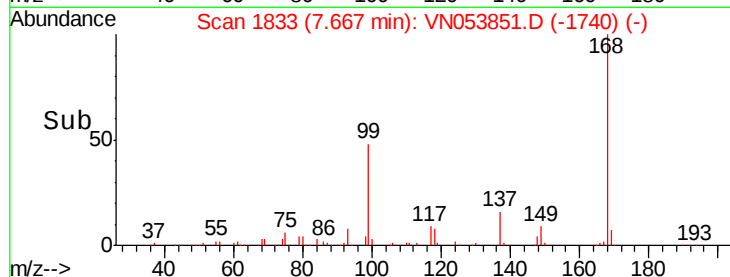
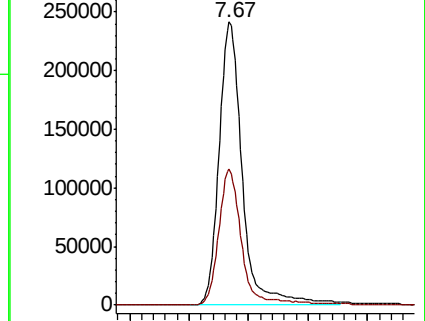
168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053851.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053851.D (-1740) (-)



#16

Acetone

Concen: 12.047 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053851.D

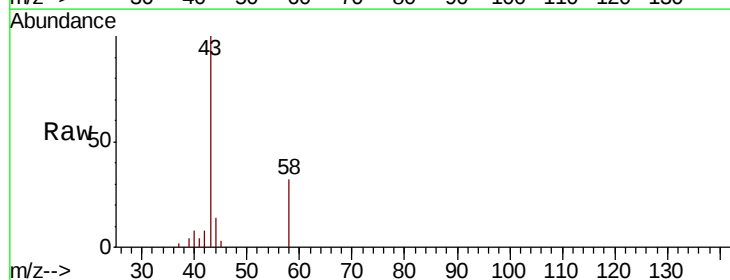
Acq: 18 Feb 2019 18:49

Tgt Ion: 43 Resp: 20332

Ion Ratio Lower Upper

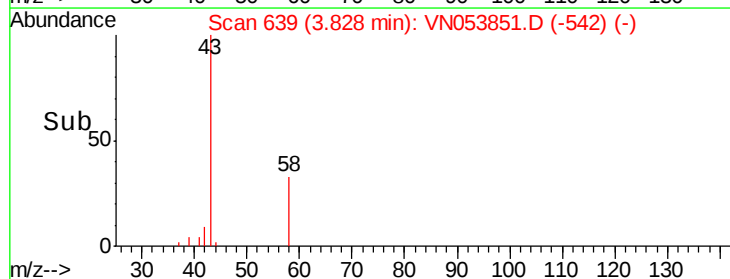
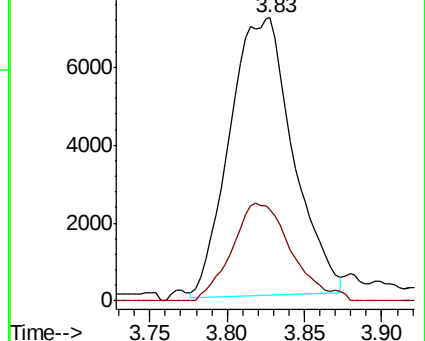
43 100

58 33.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053851.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053851.D (-542) (-)

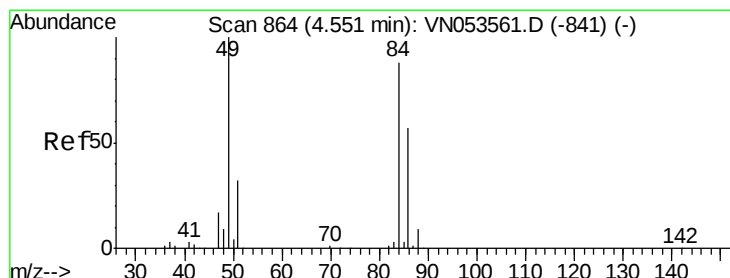
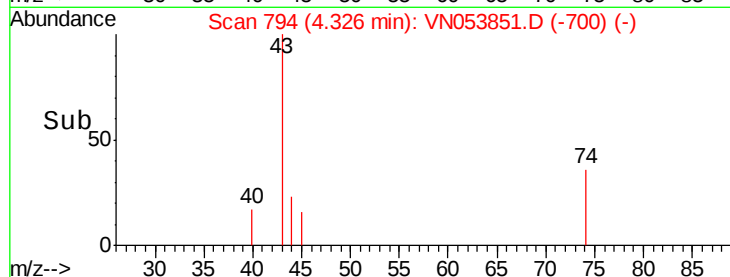
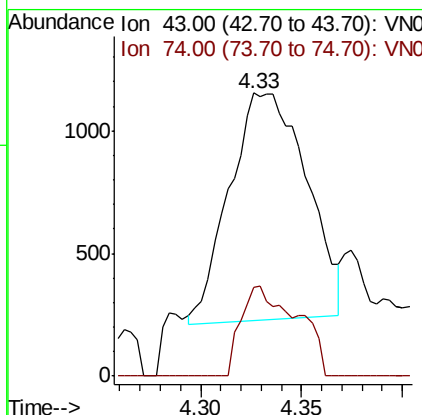
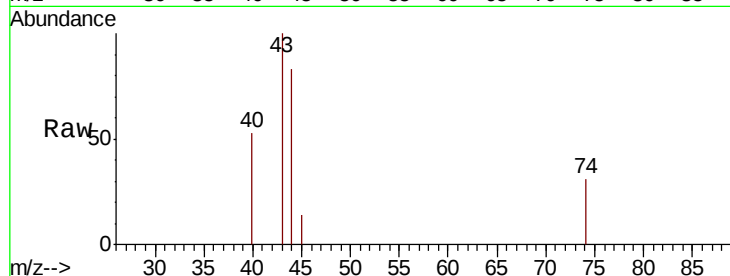




#18
Methyl Acetate
Concen: 0.493 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

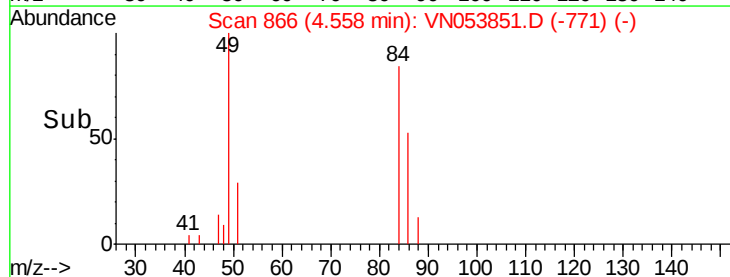
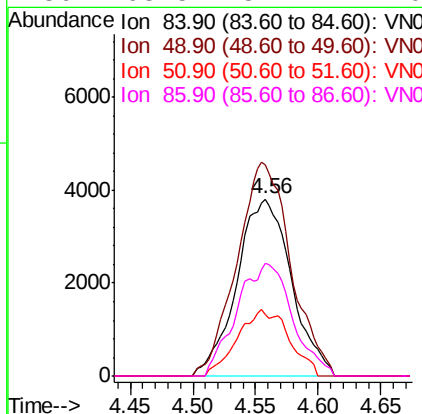
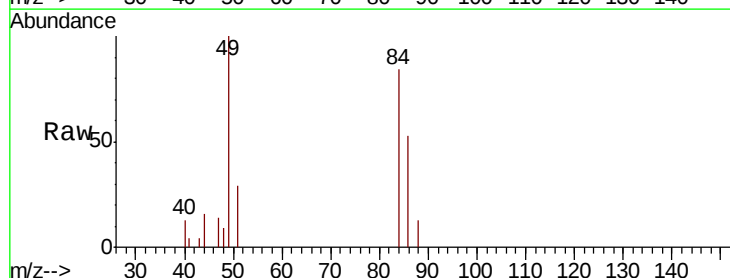
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#15

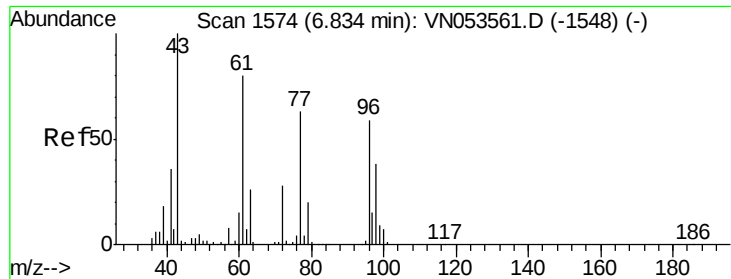
Tgt Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
74 28.7 19.4 29.2



#20
Methylene Chloride
Concen: 1.624 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

Tgt Ion: 84 Resp: 11502
Ion Ratio Lower Upper
84 100
49 119.6 94.3 141.5
51 34.9 29.4 44.2
86 63.5 51.4 77.0

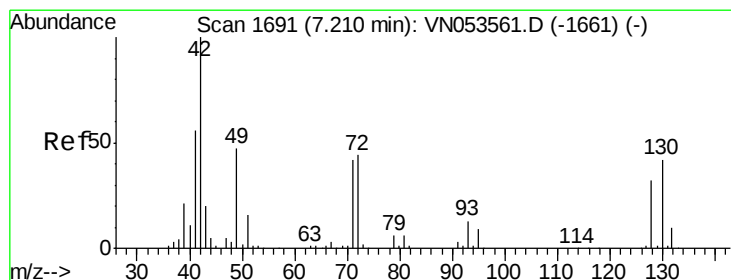
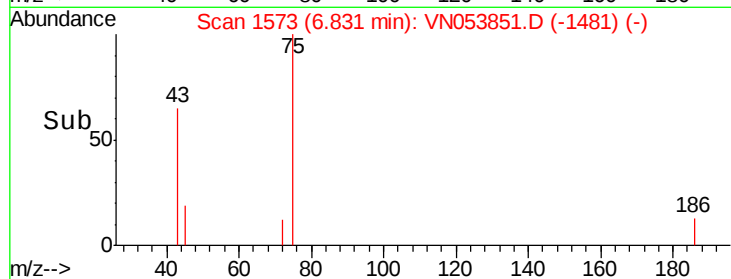
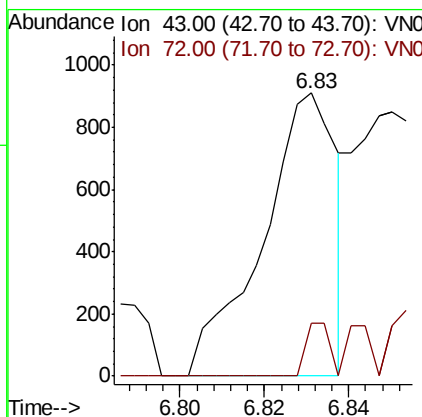
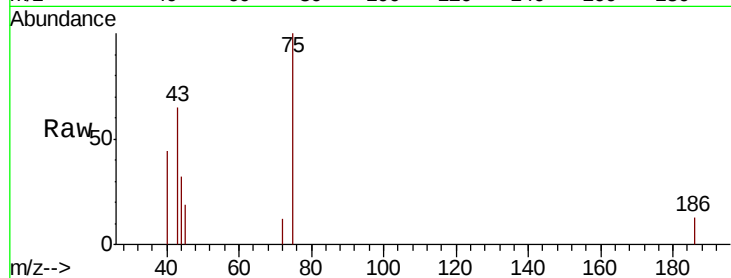




#25
 2-Butanone
 Concen: 0.457 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

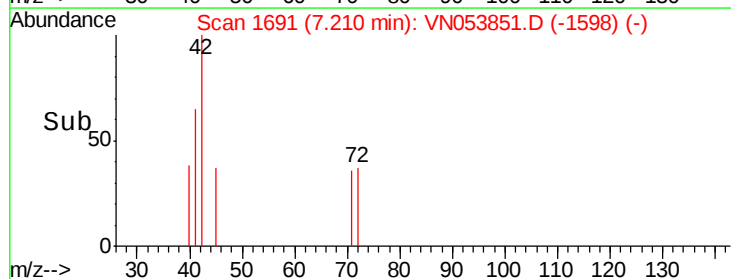
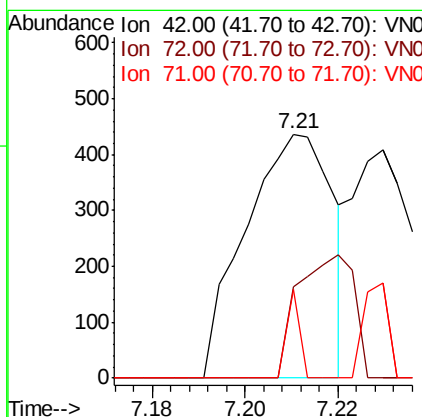
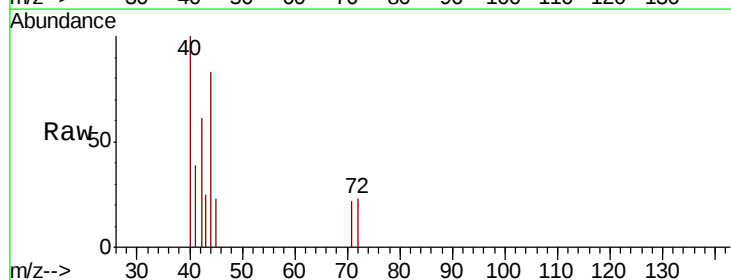
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#15

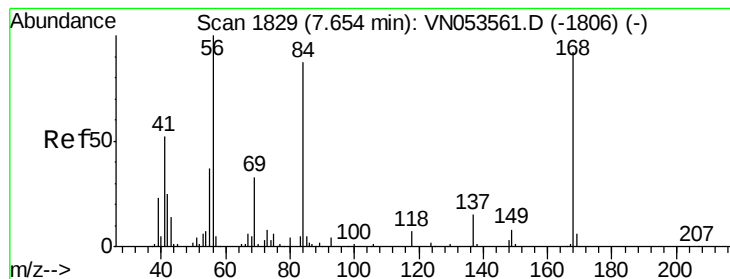
Tgt Ion: 43 Resp: 1101
 Ion Ratio Lower Upper
 43 100
 72 18.8 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.369 ug/l
 RT: 7.21 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

Tgt Ion: 42 Resp: 570
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.2 52.8#
 71 5.4 33.0 49.4#





#31

Cyclohexane

Concen: 0.672 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#15

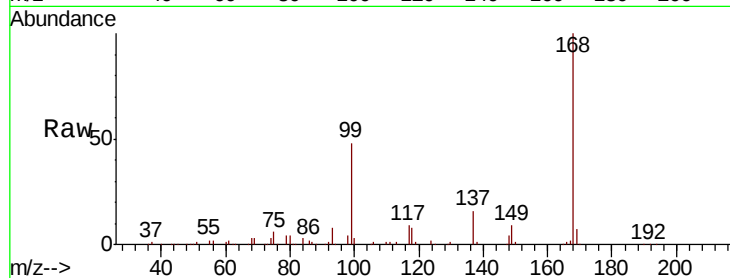
Tgt Ion: 56 Resp: 9332

Ion Ratio Lower Upper

56 100

69 190.5 26.4 39.6#

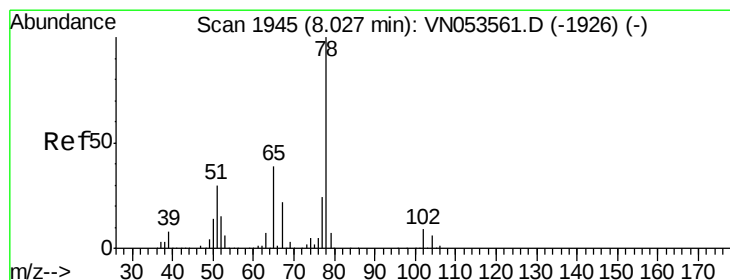
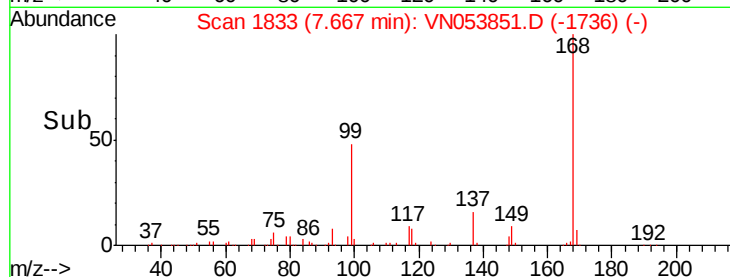
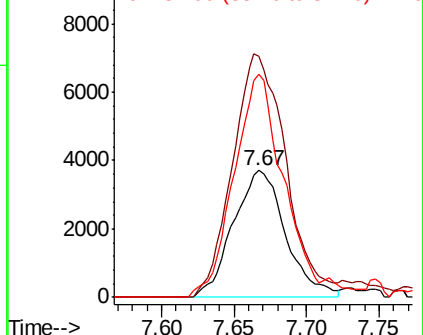
84 176.4 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.652 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053851.D

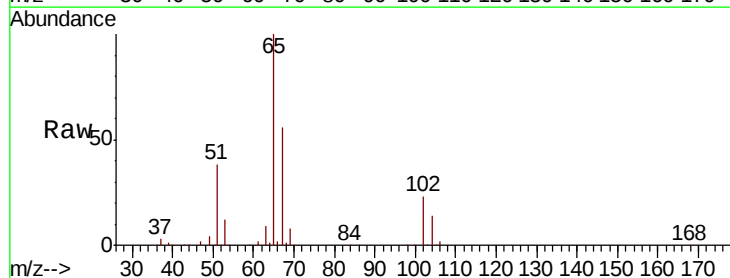
Acq: 18 Feb 2019 18:49

Tgt Ion: 65 Resp: 346434

Ion Ratio Lower Upper

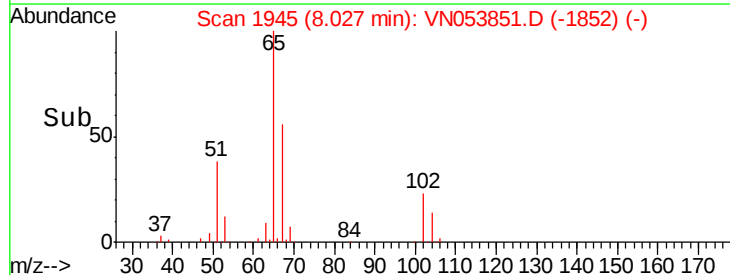
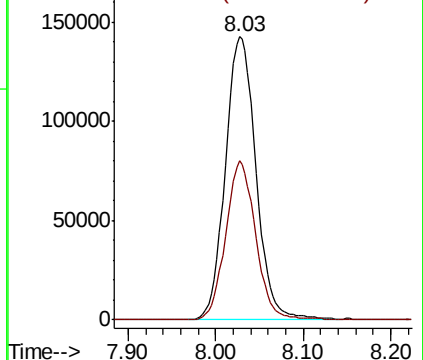
65 100

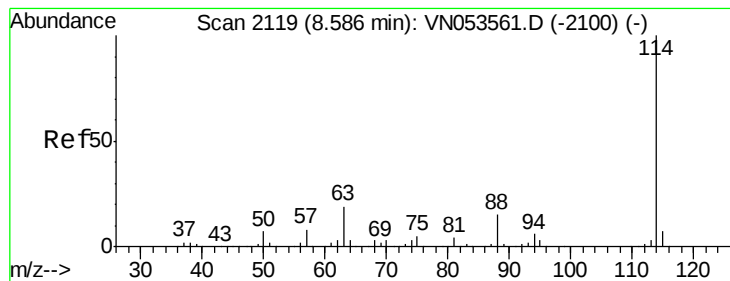
67 55.0 0.0 111.2



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: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

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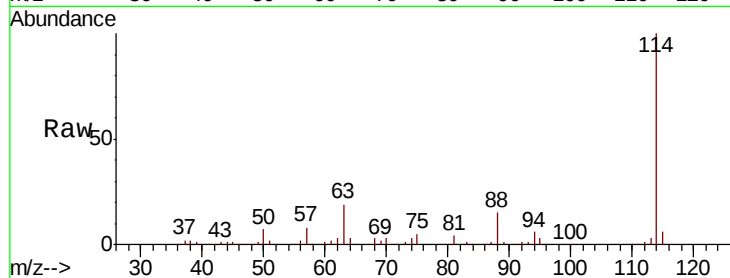
Tgt Ion:114 Resp: 1108136

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

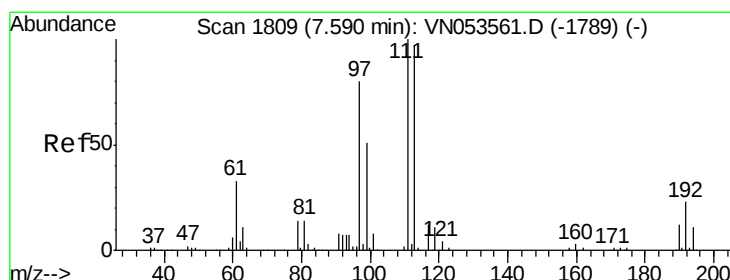
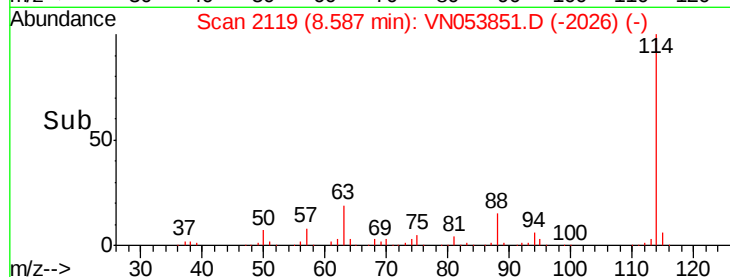
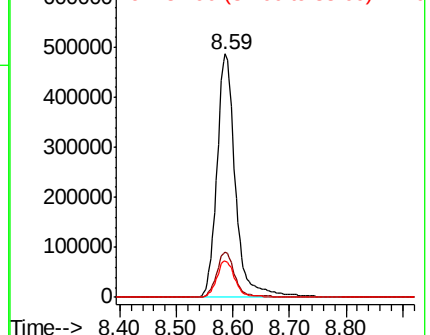
88 15.0 0.0 30.4



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: 49.982 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

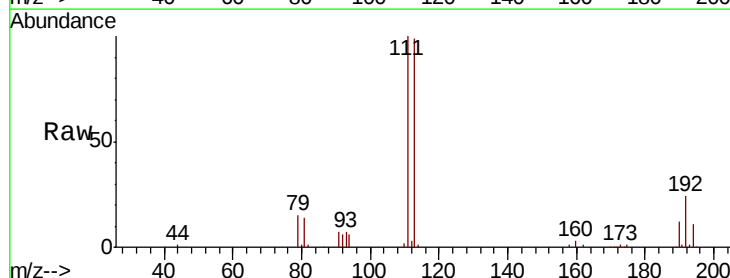
Tgt Ion:113 Resp: 349976

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

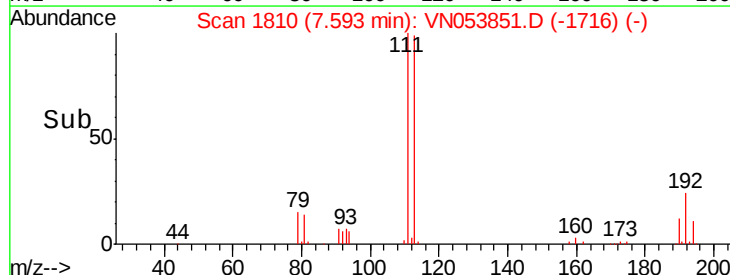
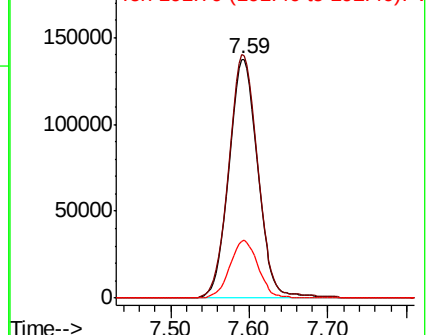
192 23.7 18.2 27.2

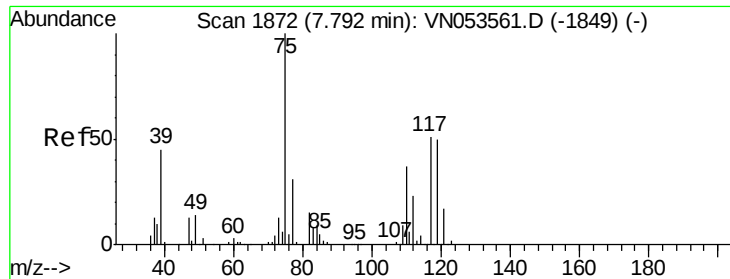


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

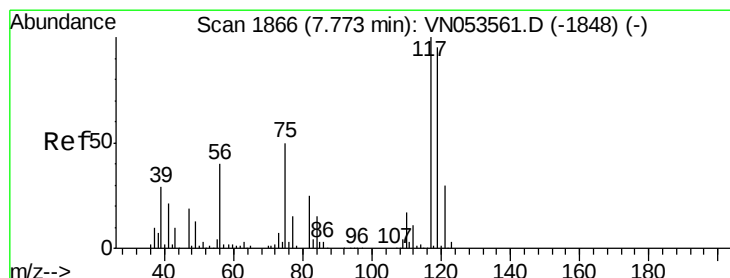
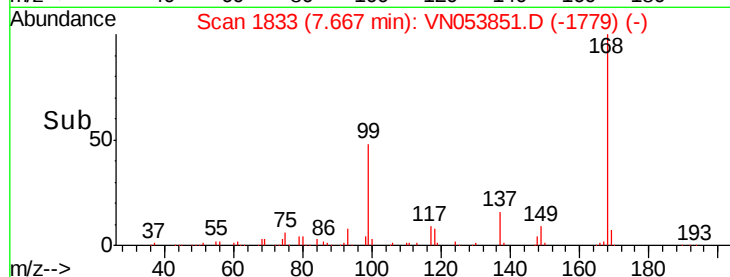
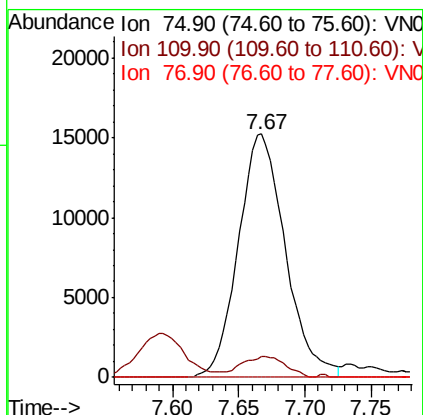
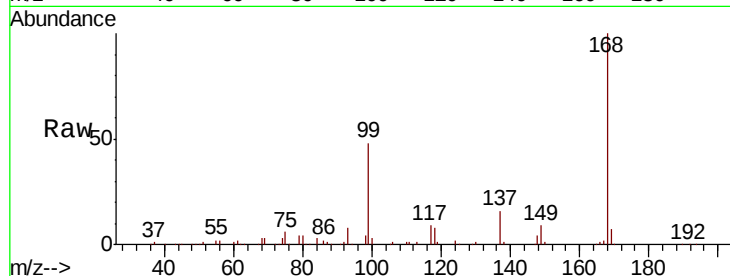




#36
 1,1-Dichloropropene
 Concen: 3.755 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

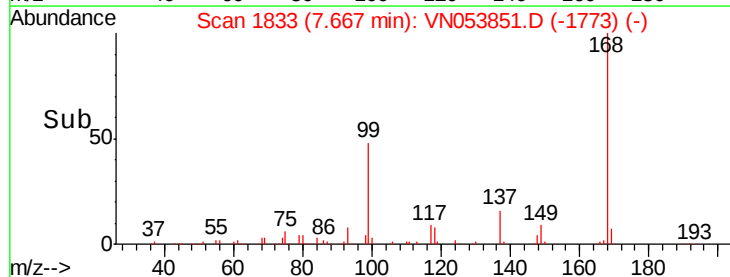
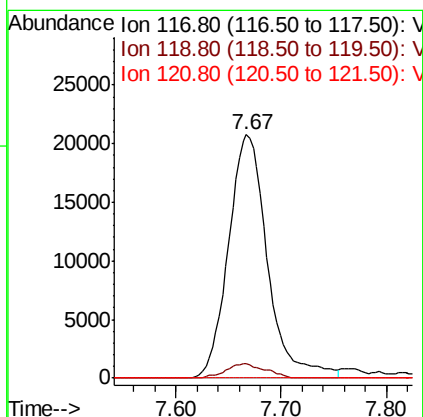
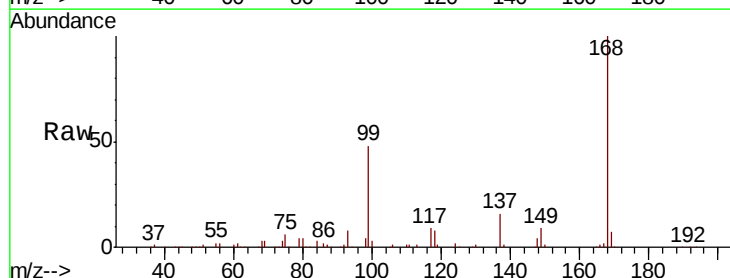
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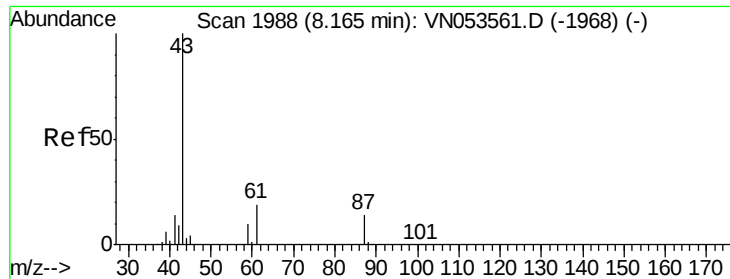
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.300 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.2	115.8#
121	0.0	24.6	37.0#



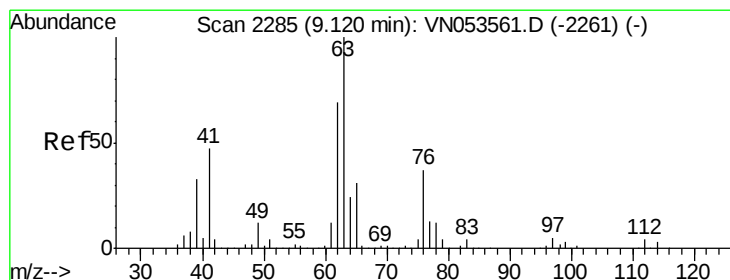
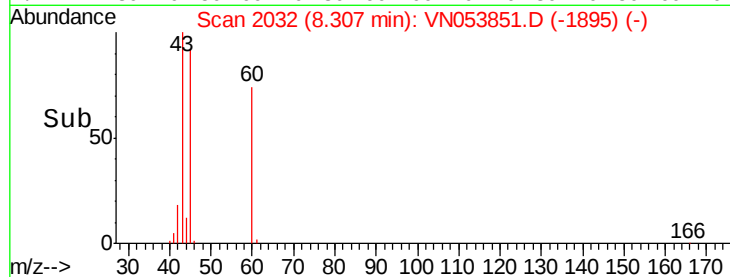
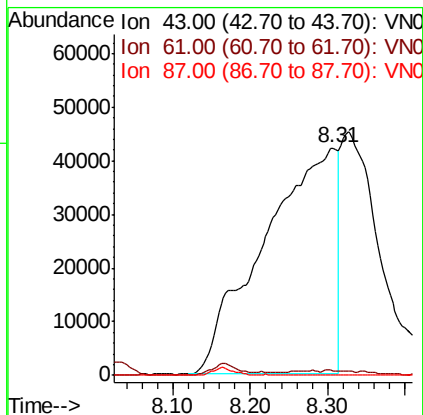
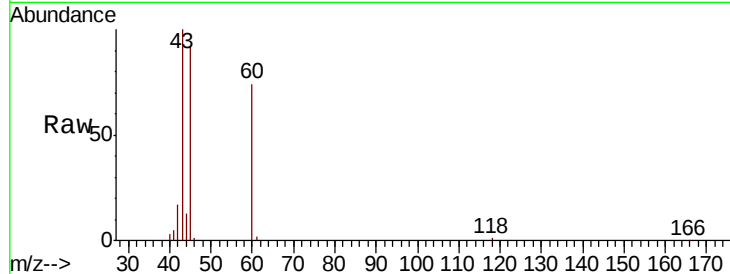


#43

Isopropyl Acetate
 Concen: 25.546 ug/l
 RT: 8.31 min Scan# 2032
 Delta R.T. 0.14 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

Instrument :
 MSVOA_N
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 PB117159ZHE#15

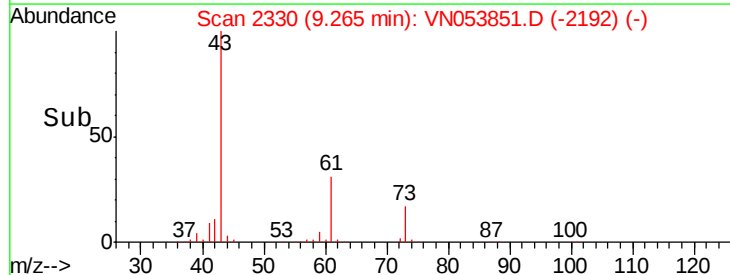
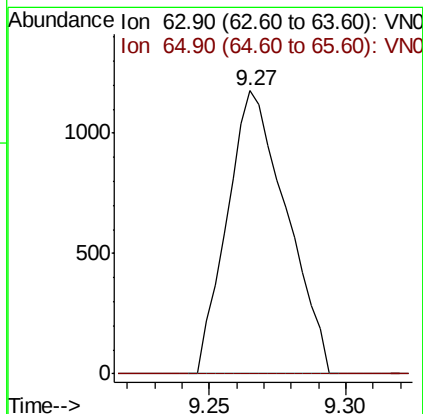
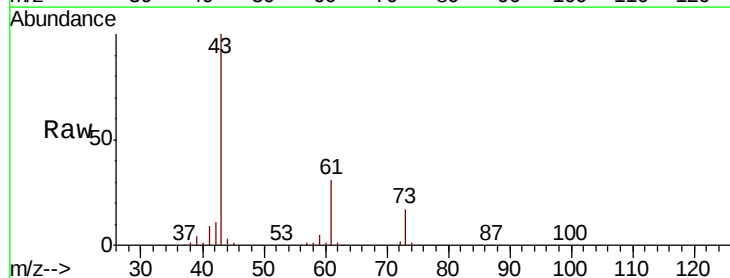
Tgt Ion: 43 Resp: 275233
 Ion Ratio Lower Upper
 43 100
 61 0.1 23.9 35.9#
 87 0.0 11.0 16.6#

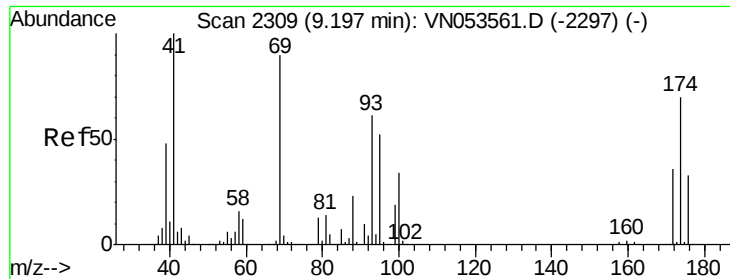


#45

1,2-Dichloropropane
 Concen: 0.226 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

Tgt Ion: 63 Resp: 1781
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#





#48

Methyl methacrylate

Concen: 1.682 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#15

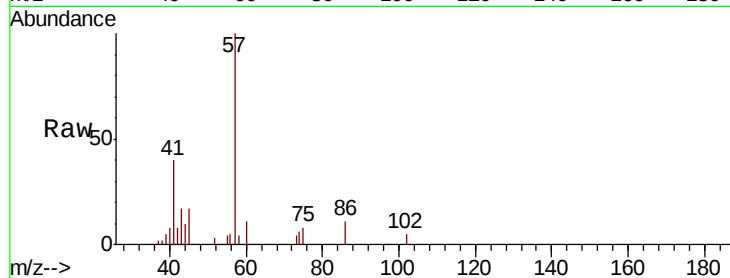
Tgt Ion: 41 Resp: 8648

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

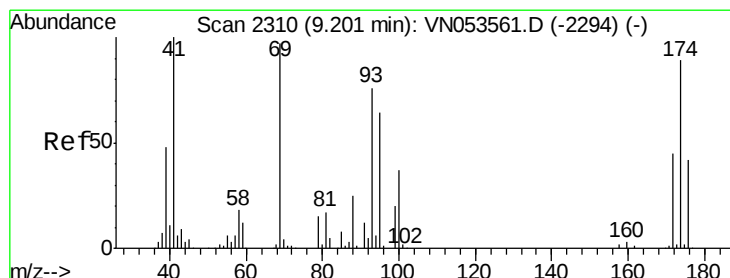
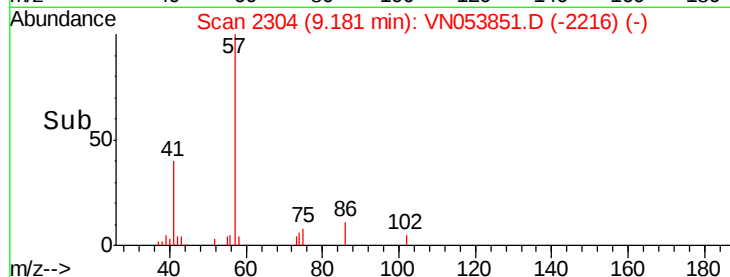
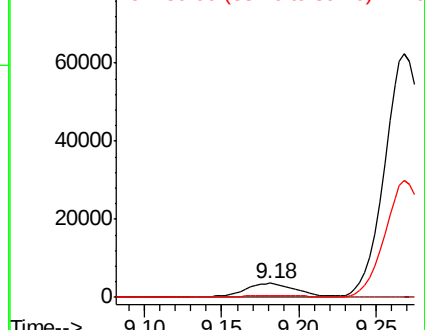
39 0.0 40.0 60.0#



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: 40.942 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

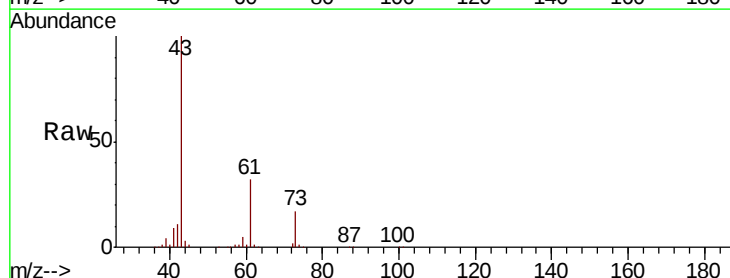
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 959769.2 27.8 41.6#

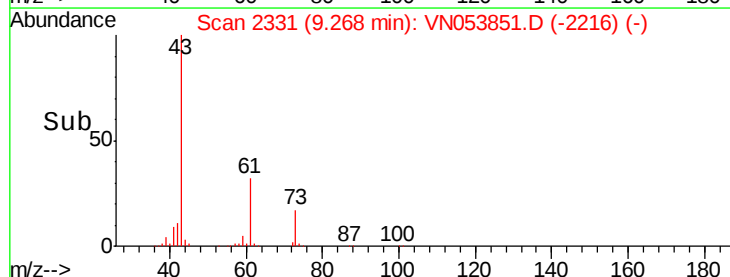
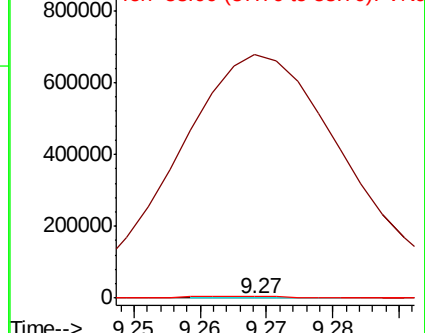
58 5207.0 56.5 84.7#

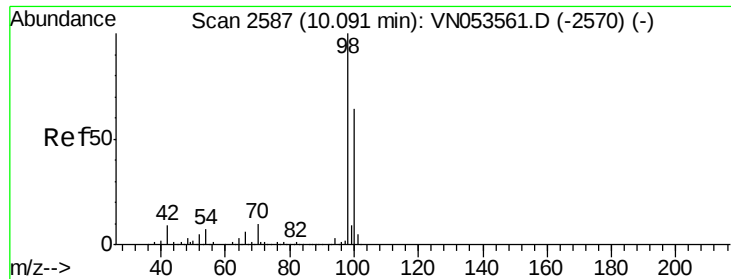


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

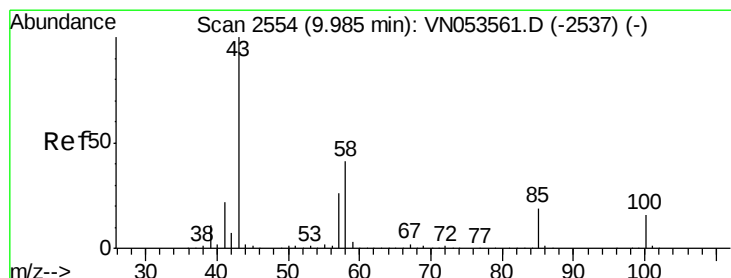
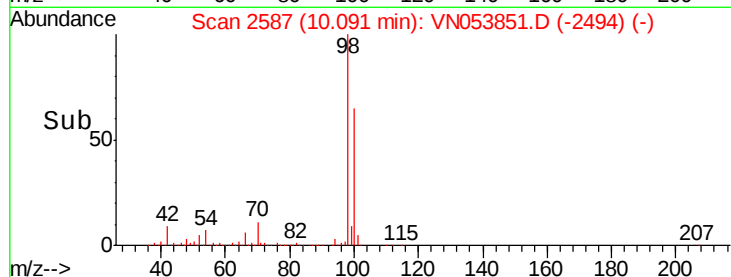
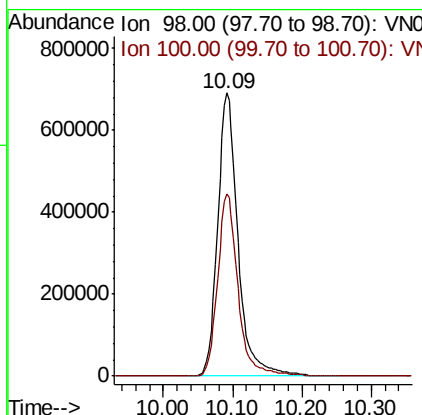
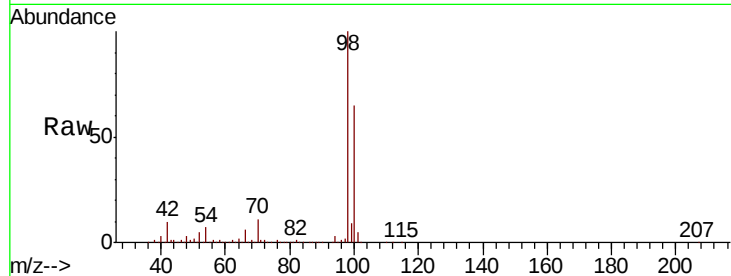




#50
Toluene-d8
Concen: 53.409 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

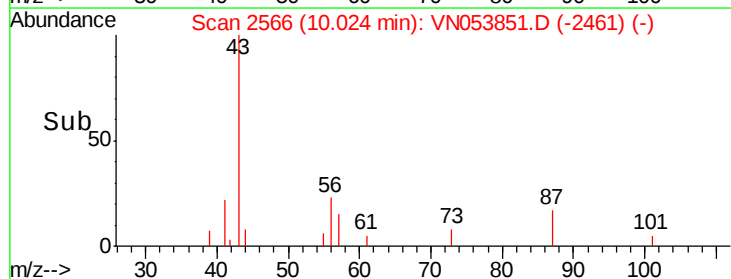
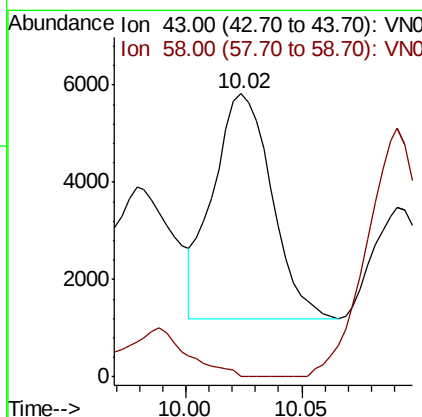
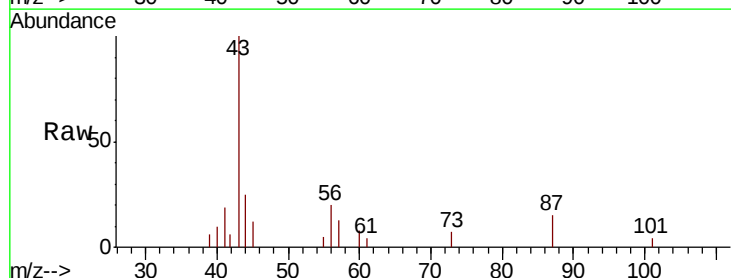
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#15

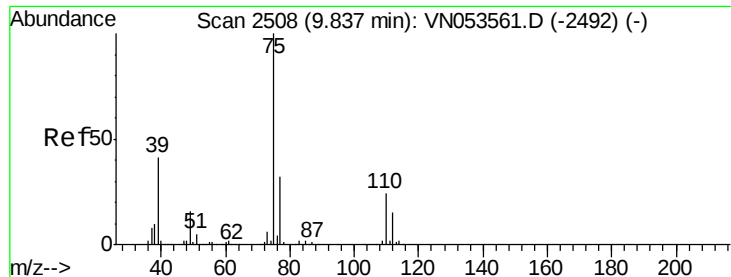
Tgt Ion: 98 Resp: 1404184
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.524 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

Tgt Ion: 43 Resp: 8068
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#

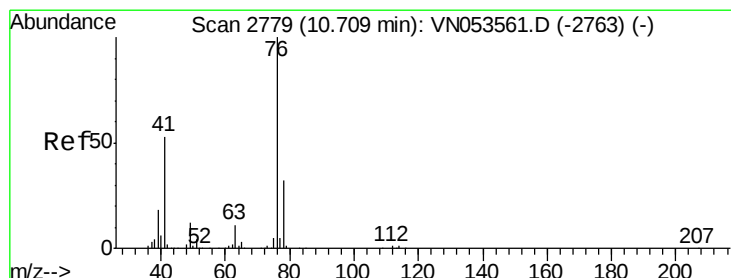
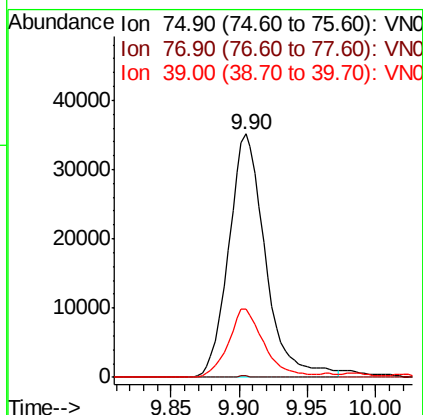
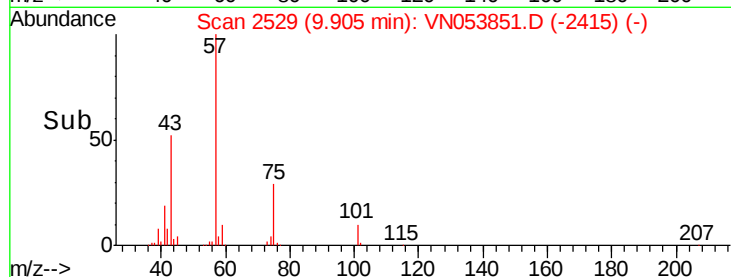
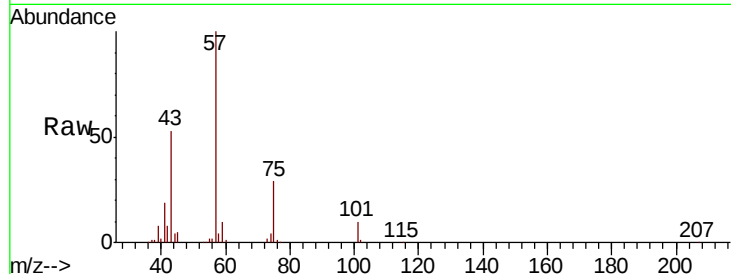




#54
 cis-1,3-Dichloropropene
 Concen: 5.605 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

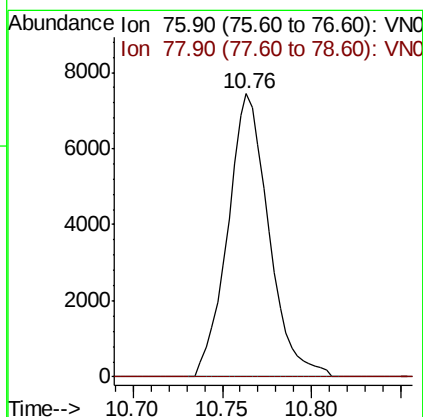
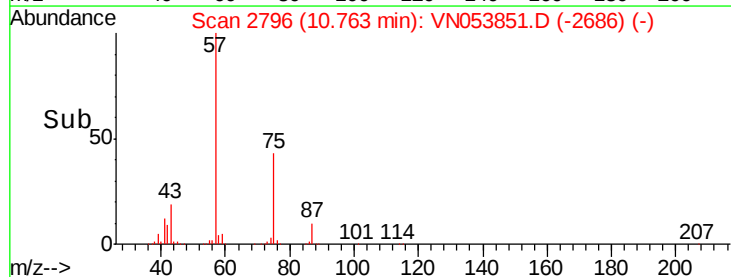
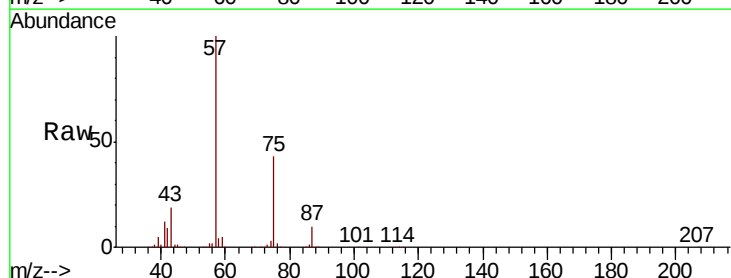
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#15

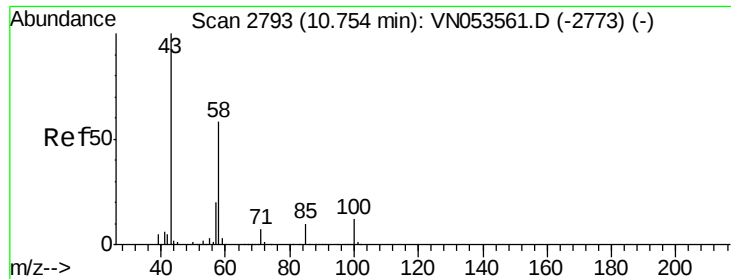
Tgt Ion: 75 Resp: 65683
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 28.2 33.4 50.0#



#57
 1,3-Dichloropropane
 Concen: 1.058 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053851.D
 Acq: 18 Feb 2019 18:49

Tgt Ion: 76 Resp: 11917
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

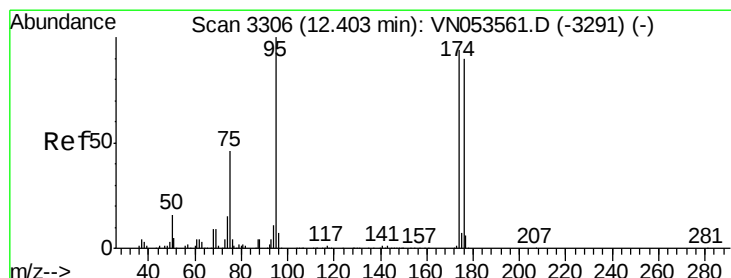
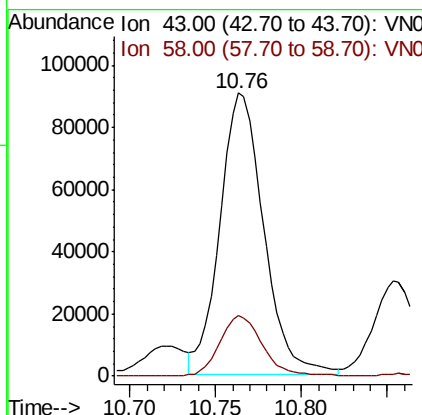
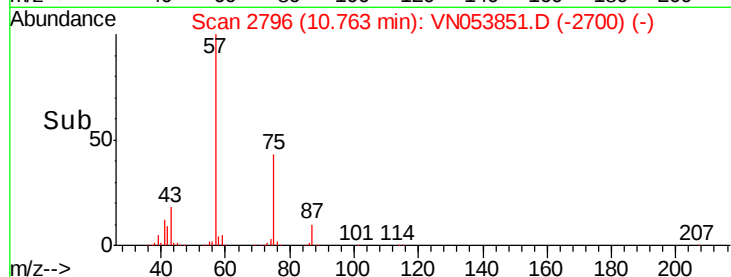
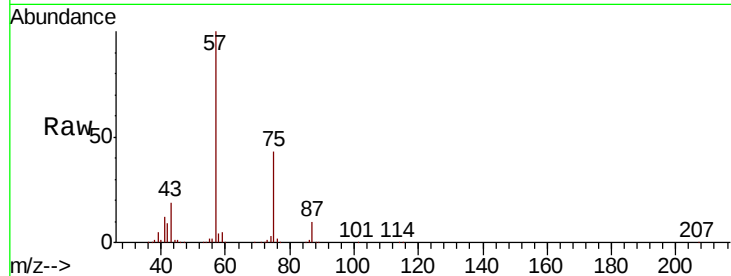




#59
2-Hexanone
Concen: 44.513 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

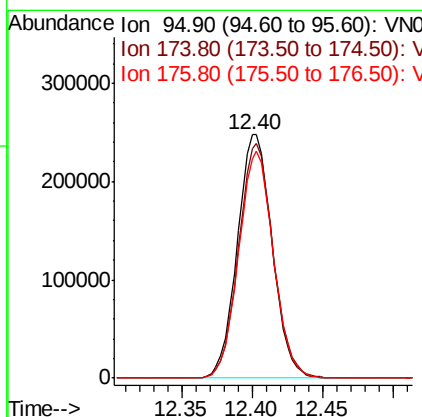
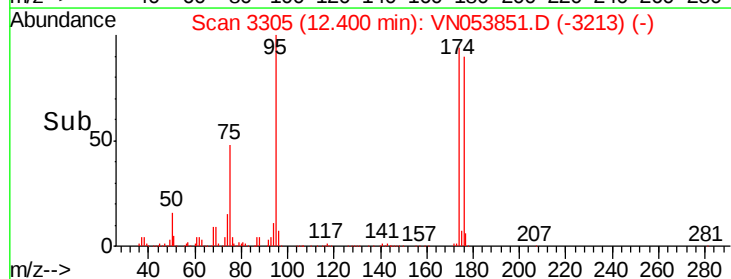
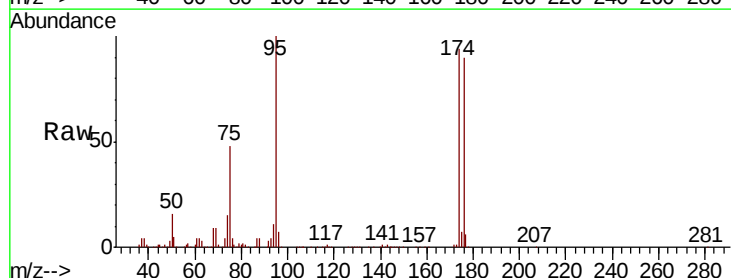
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#15

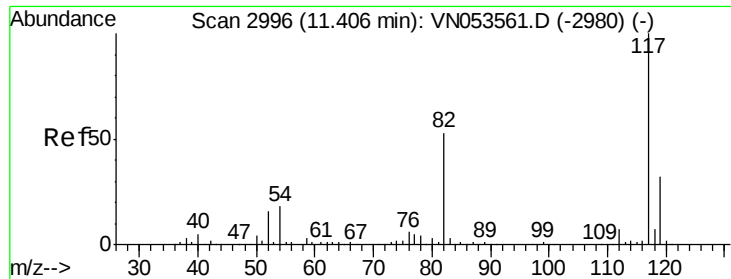
Tgt Ion: 43 Resp: 159991
Ion Ratio Lower Upper
43 100
58 21.2 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 48.964 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

Tgt Ion: 95 Resp: 429342
Ion Ratio Lower Upper
95 100
174 95.7 0.0 183.2
176 92.4 0.0 177.4

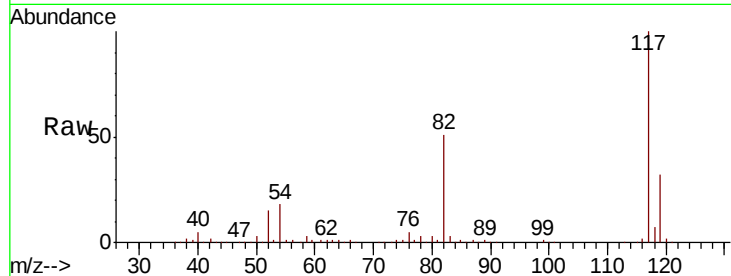




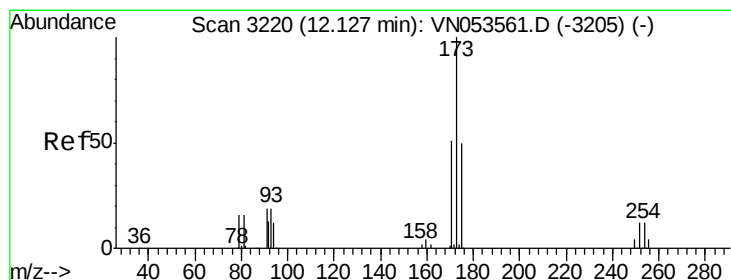
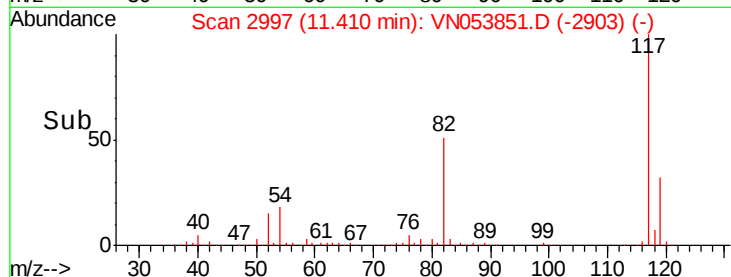
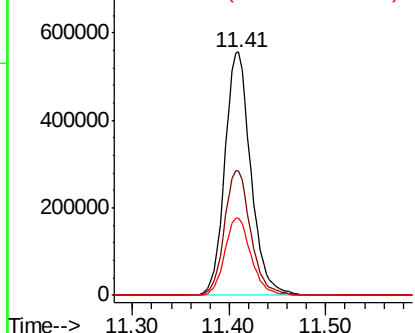
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#15

Tgt Ion:117 Resp: 1036642
Ion Ratio Lower Upper
117 100
82 51.2 42.9 64.3
119 31.8 26.0 39.0

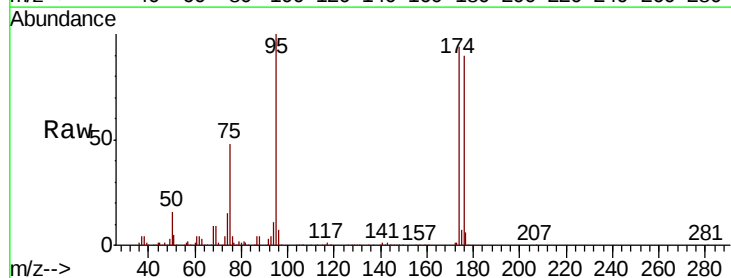


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

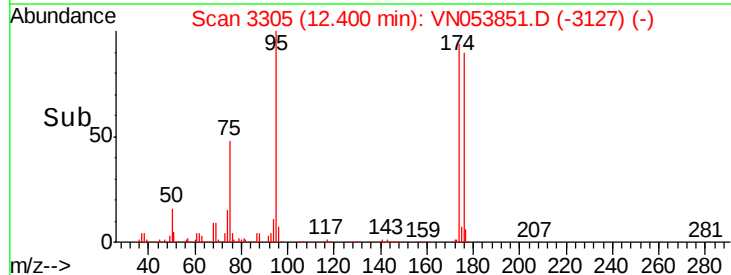
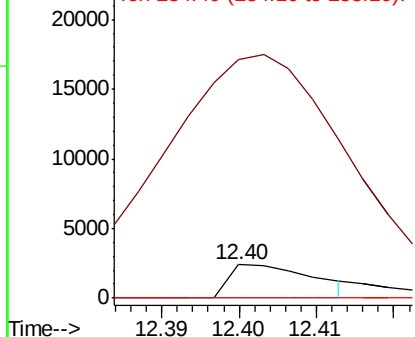


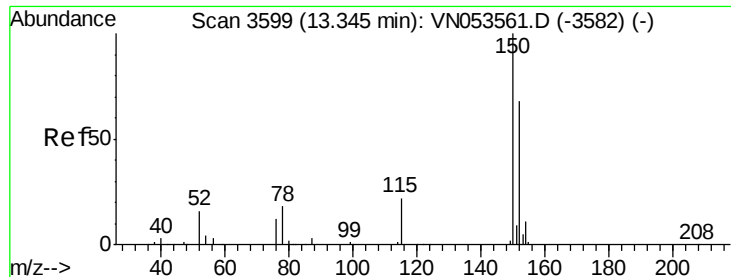
#71
Bromoform
Concen: 0.346 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053851.D
Acq: 18 Feb 2019 18:49

Tgt Ion:173 Resp: 1826
Ion Ratio Lower Upper
173 100
175 1423.3 24.6 74.0#
254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#15

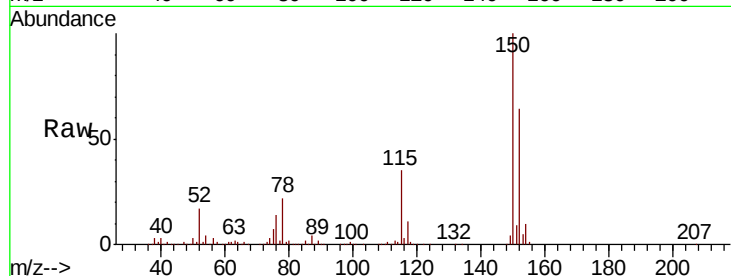
Tgt Ion:152 Resp: 391406

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

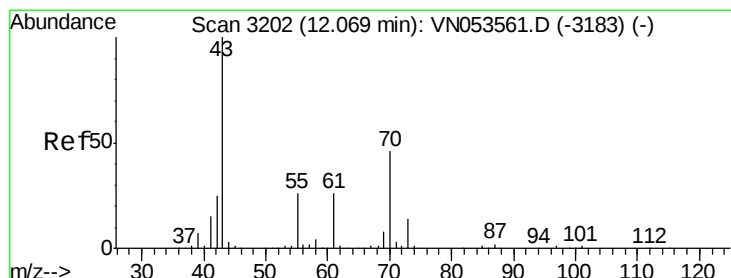
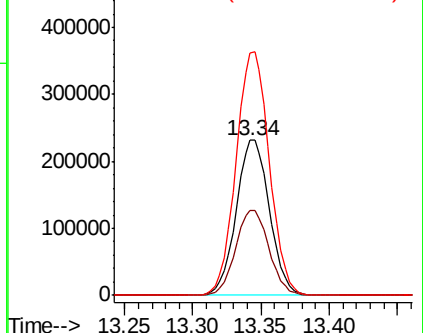
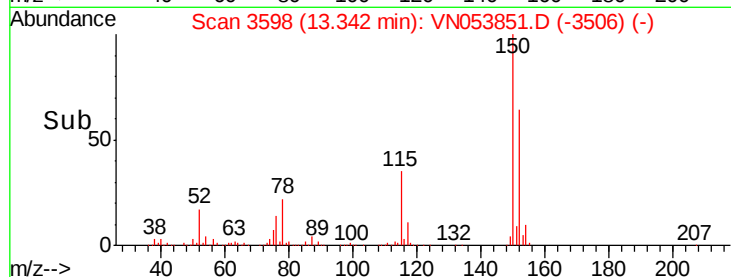
150 156.8 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.592 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Tgt Ion: 43 Resp: 17153

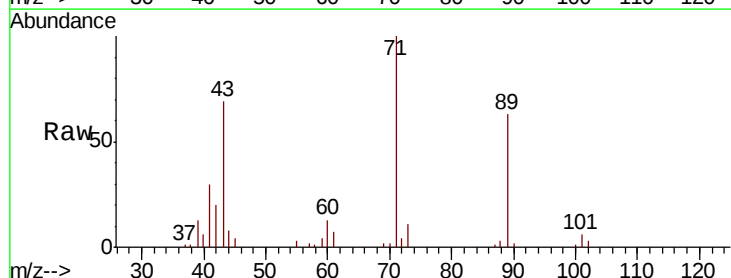
Ion Ratio Lower Upper

43 100

70 2.3 35.4 53.2#

55 5.0 20.9 31.3#

61 11.9 20.5 30.7#

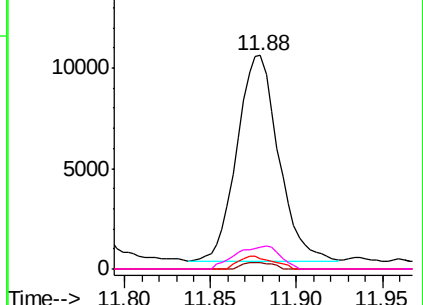
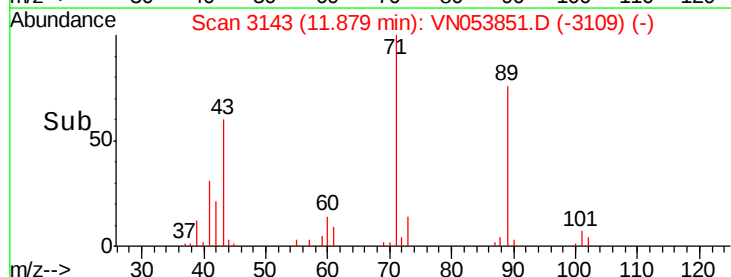


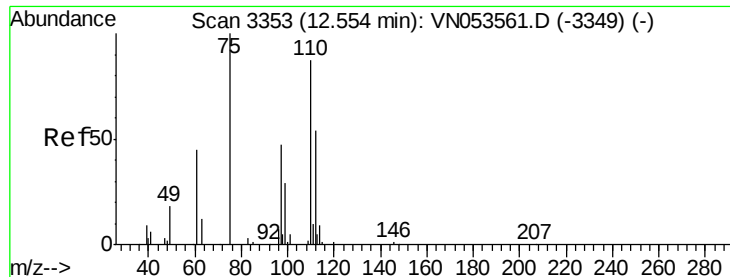
Abundance Ion 43.00 (42.70 to 43.70): V

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: 39.895 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

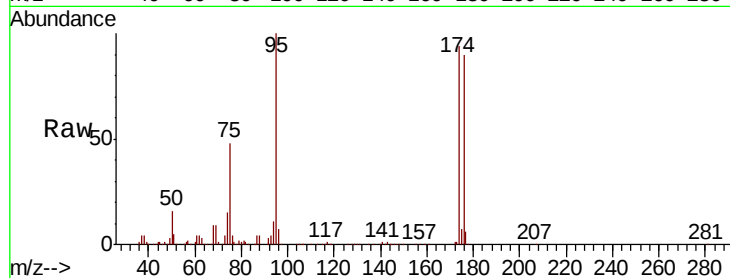
PB117159ZHE#15

Tgt Ion: 75 Resp: 200567

Ion Ratio Lower Upper

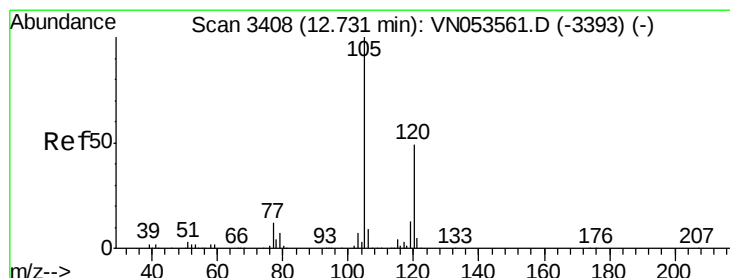
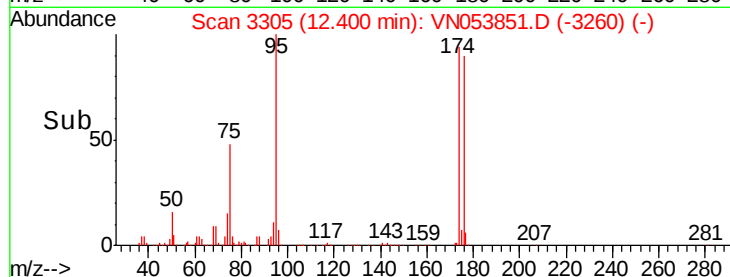
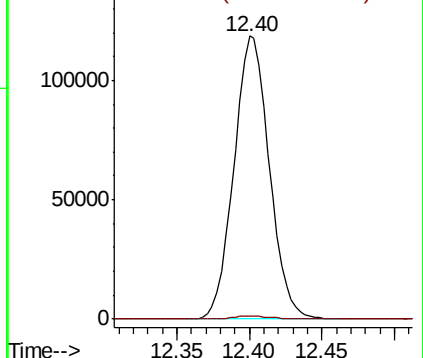
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053851.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN053851.D (-3305) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.642 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053851.D

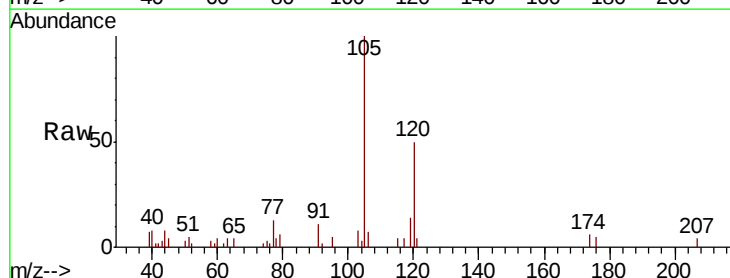
Acq: 18 Feb 2019 18:49

Tgt Ion: 105 Resp: 14638

Ion Ratio Lower Upper

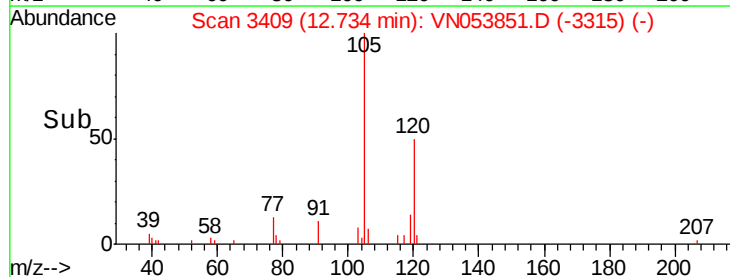
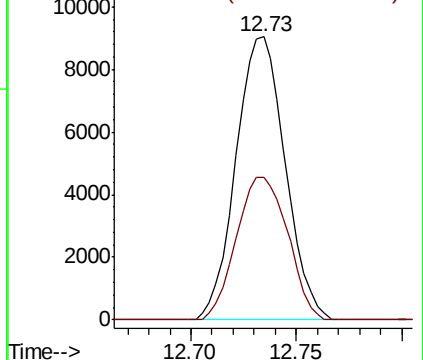
105 100

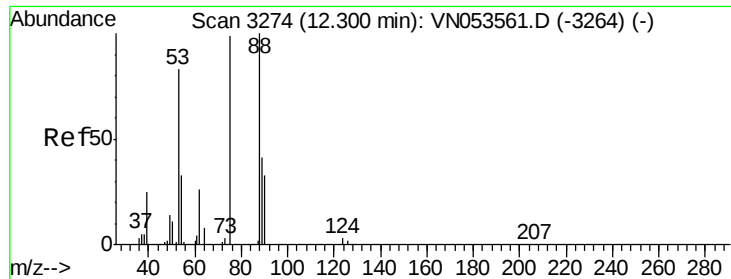
120 52.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053851.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053851.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.182 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053851.D

Acq: 18 Feb 2019 18:49

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#15

Tgt Ion: 75 Resp: 200567

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

89 0.0 35.6 53.4#

