

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053849.D
 Acq On : 18 Feb 2019 17:55
 Operator : JC/SP
 Sample : PB117159ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#13

Quant Time: Feb 19 03:03:13 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	690593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1168765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1059252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	414092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	362383	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.59	113	372925	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1363498	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	448448	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

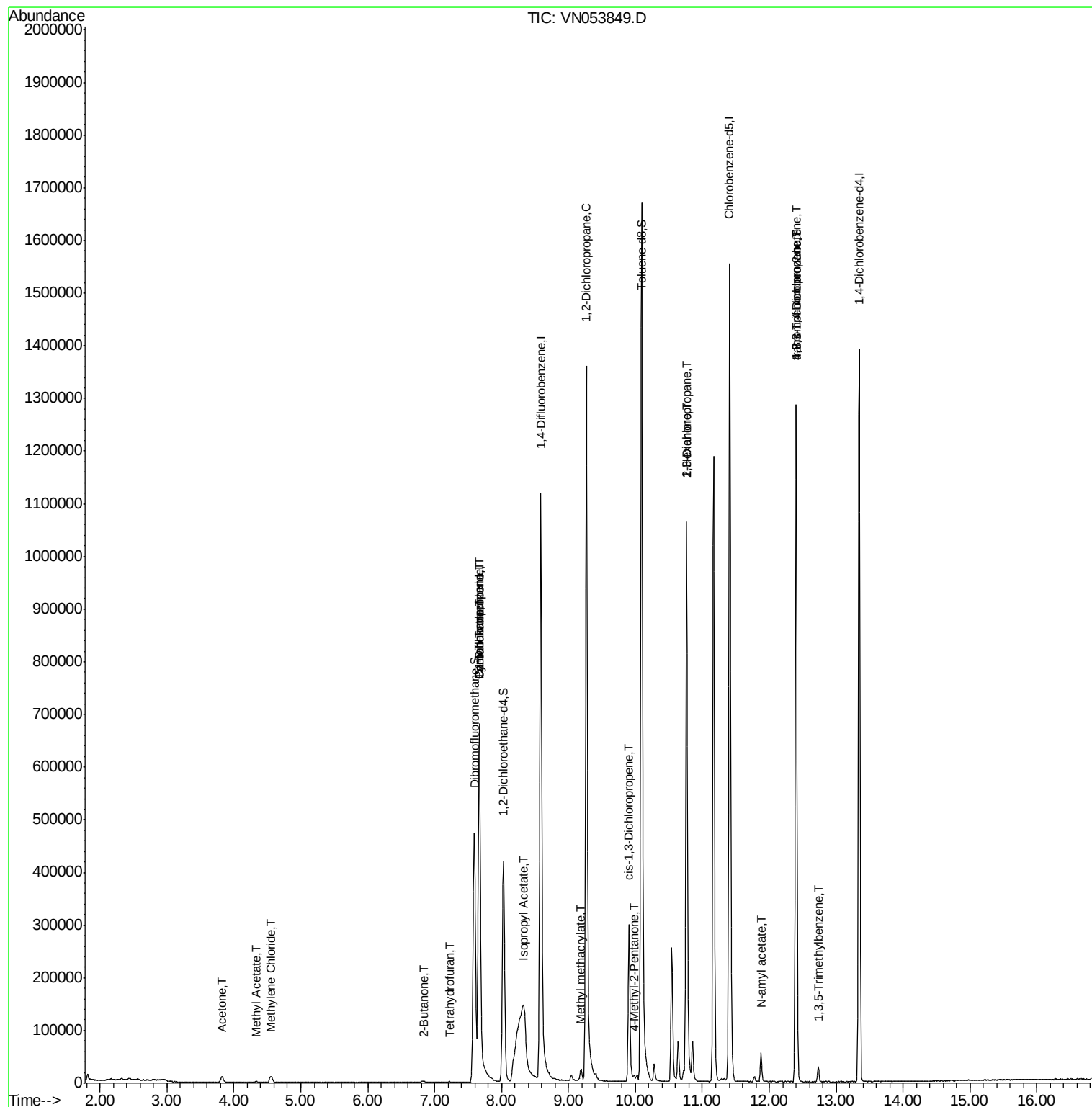
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	20340	11.446	ug/l	99
18) Methyl Acetate	4.33	43	3764	0.715	ug/l #	73
20) Methylene Chloride	4.55	84	9768	1.310	ug/l	90
25) 2-Butanone	6.85	43	1678	0.662	ug/l	98
29) Tetrahydrofuran	7.21	42	794	0.488	ug/l #	74
31) Cyclohexane	7.66	56	9440	0.638	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40403	3.835	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55341	5.214	ug/l #	16
43) Isopropyl Acetate	8.31	43	463129	40.755	ug/l #	51
45) 1,2-Dichloropropane	9.27	63	1777	0.214	ug/l #	43
48) Methyl methacrylate	9.18	41	8717	1.607	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	6486	1.162	ug/l #	61
54) cis-1,3-Dichloropropene	9.90	75	64348	5.207	ug/l #	61
57) 1,3-Dichloropropane	10.77	76	12877	1.084	ug/l #	43
59) 2-Hexanone	10.76	43	156373	41.249	ug/l #	50
74) N-amyl acetate	11.88	43	16696	2.385	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	209628	39.413	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	15864	0.657	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	209628	110.826	ug/l #	15

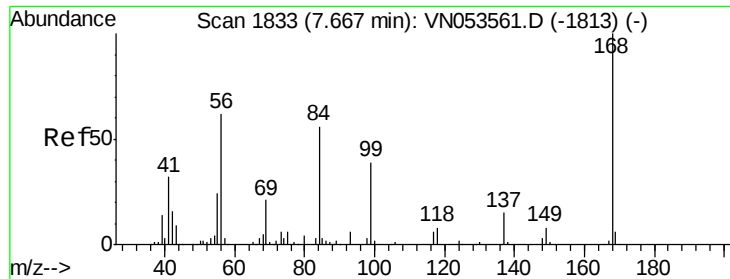
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

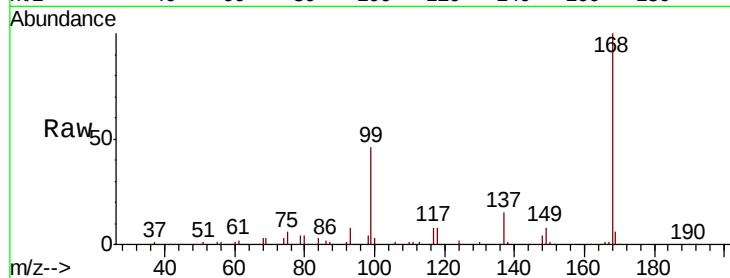
PB117159ZHE#13

Tgt Ion:168 Resp: 690593

Ion Ratio Lower Upper

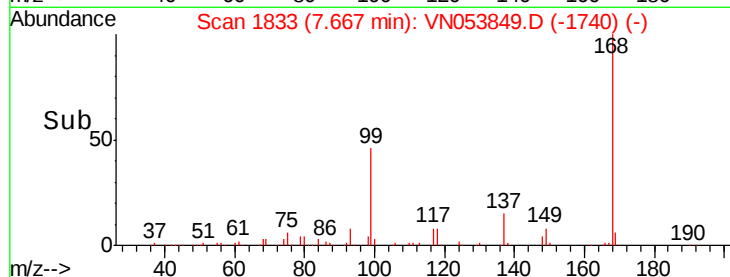
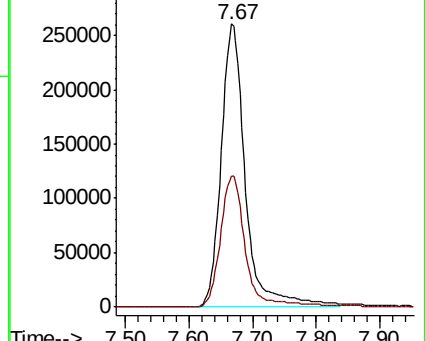
168 100

99 46.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053561.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053561.D (-1813) (-)



#16

Acetone

Concen: 11.446 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053849.D

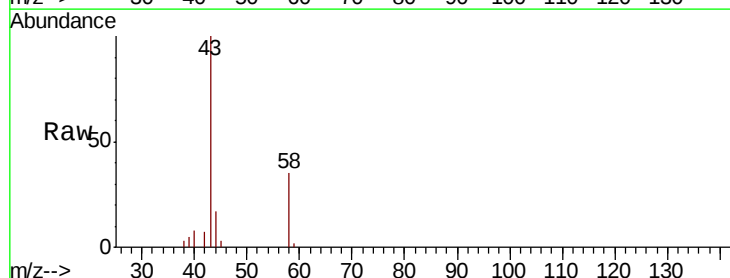
Acq: 18 Feb 2019 17:55

Tgt Ion: 43 Resp: 20340

Ion Ratio Lower Upper

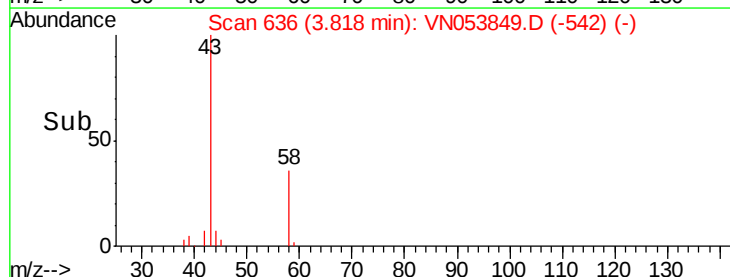
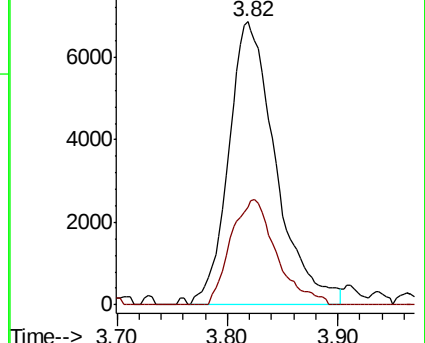
43 100

58 34.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

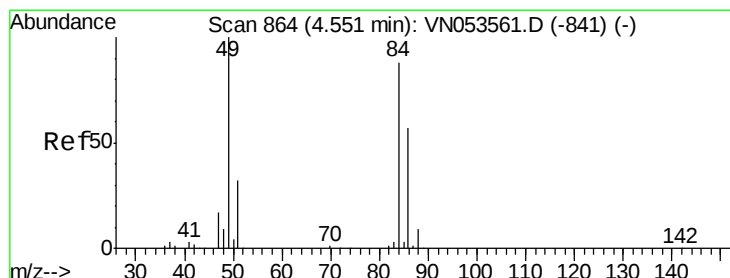
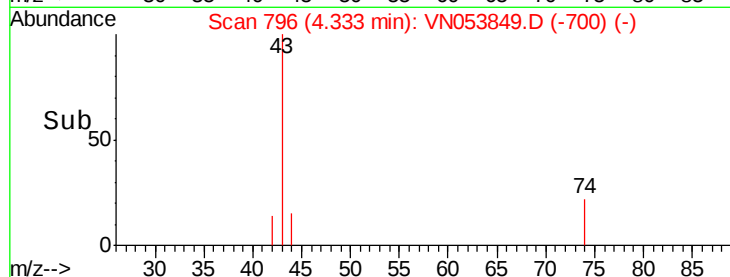
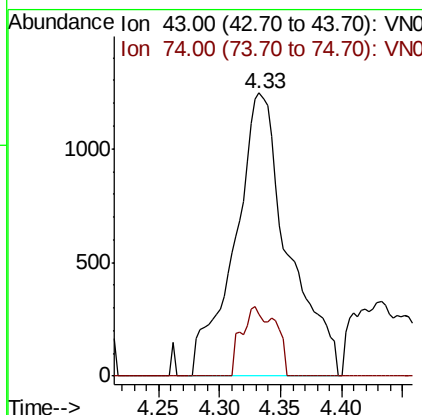
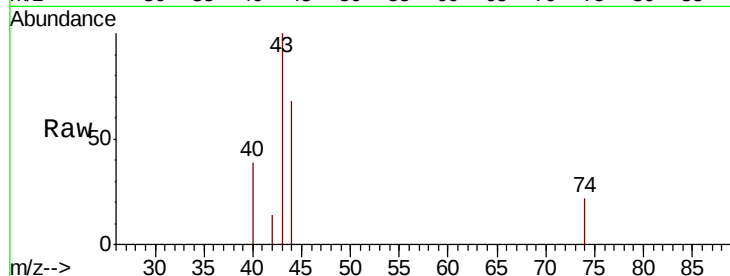




#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053849.D
Acq: 18 Feb 2019 17:55

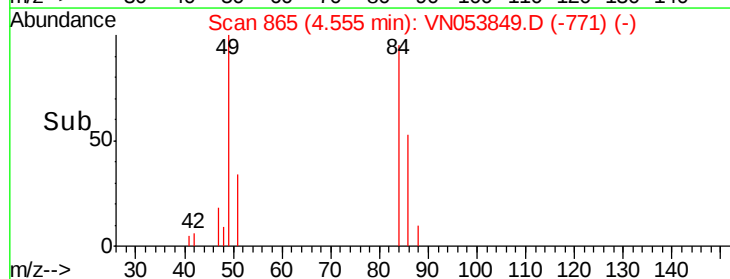
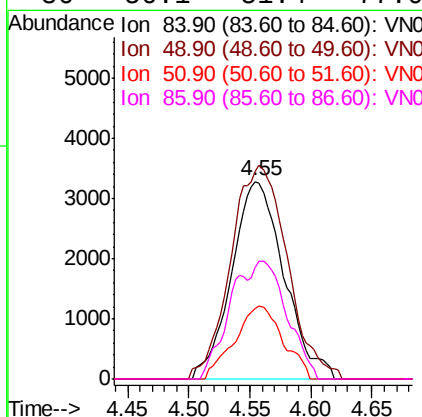
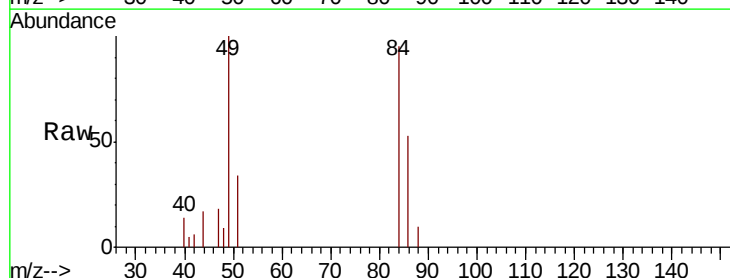
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#13

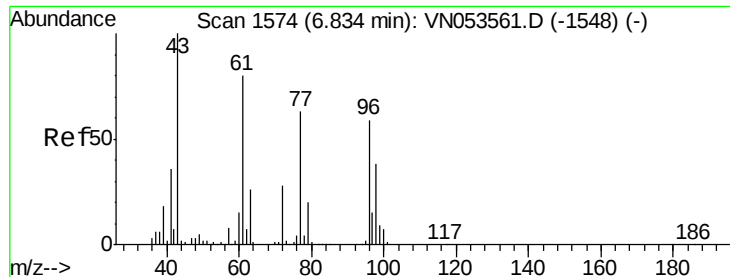
Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
74 10.9 19.4 29.2#



#20
Methylene Chloride
Concen: 1.310 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053849.D
Acq: 18 Feb 2019 17:55

Tgt Ion: 84 Resp: 9768
Ion Ratio Lower Upper
84 100
49 105.1 94.3 141.5
51 35.4 29.4 44.2
86 56.1 51.4 77.0

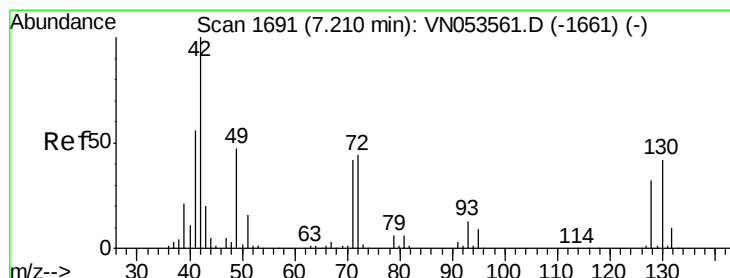
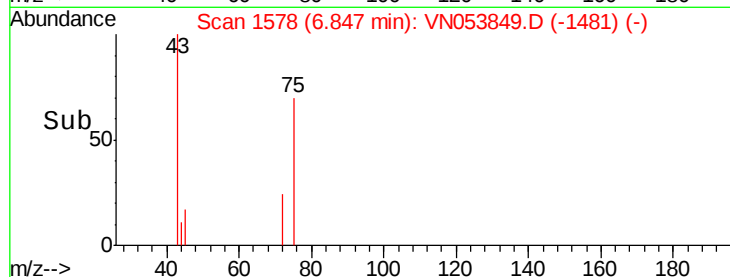
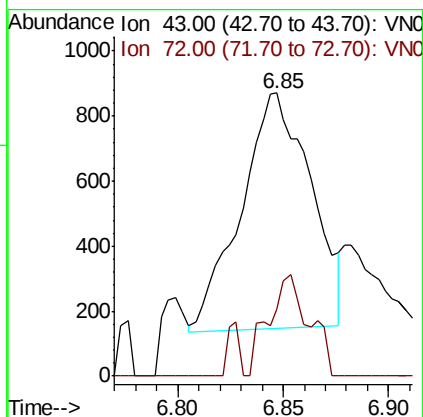
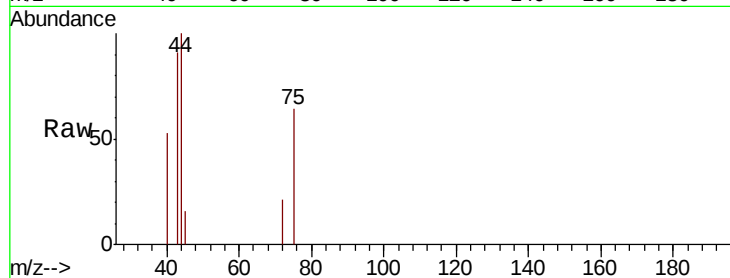




#25
 2-Butanone
 Concen: 0.662 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

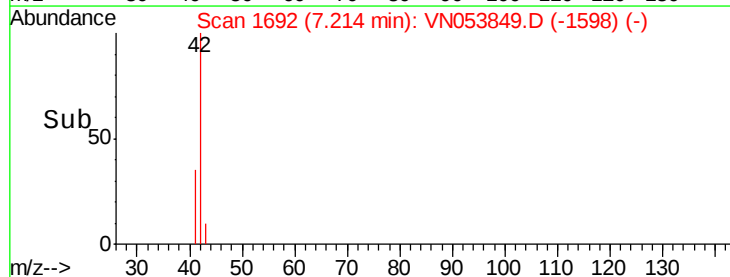
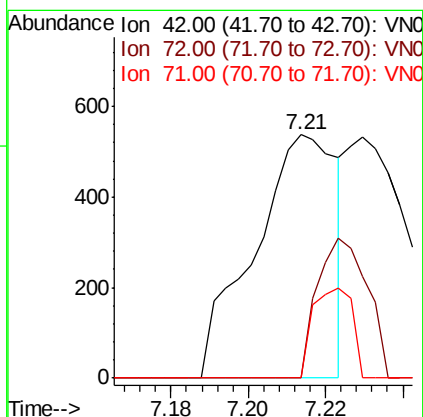
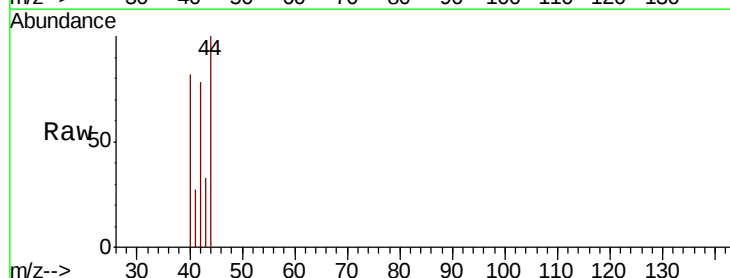
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#13

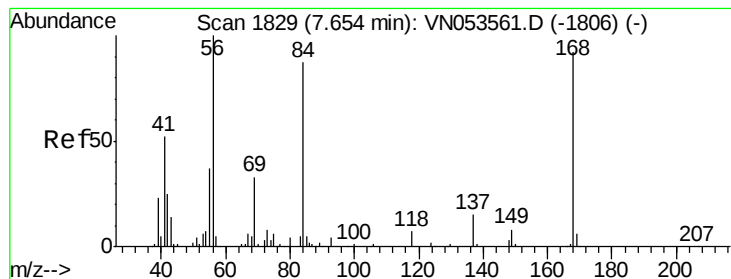
Tgt Ion: 43 Resp: 1678
 Ion Ratio Lower Upper
 43 100
 72 28.8 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.488 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

Tgt Ion: 42 Resp: 794
 Ion Ratio Lower Upper
 42 100
 72 34.5 35.2 52.8#
 71 17.6 33.0 49.4#





#31

Cyclohexane

Concen: 0.638 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

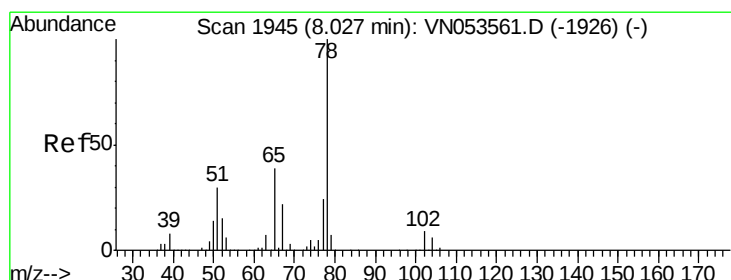
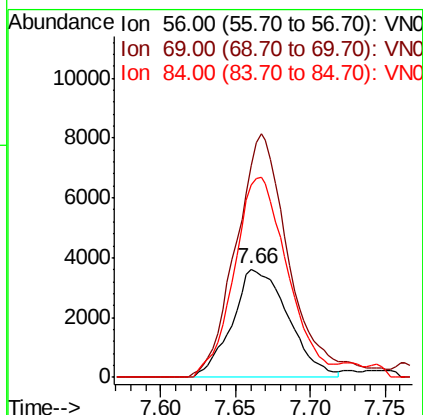
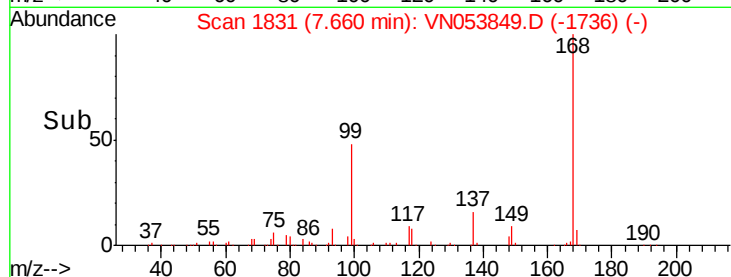
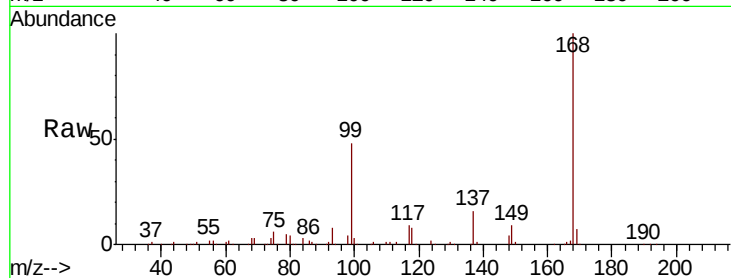
Tgt Ion: 56 Resp: 9440

Ion Ratio Lower Upper

56 100

69 195.5 26.4 39.6#

84 178.2 67.9 101.9#



#33

1,2-Dichloroethane-d4

Concen: 52.307 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053849.D

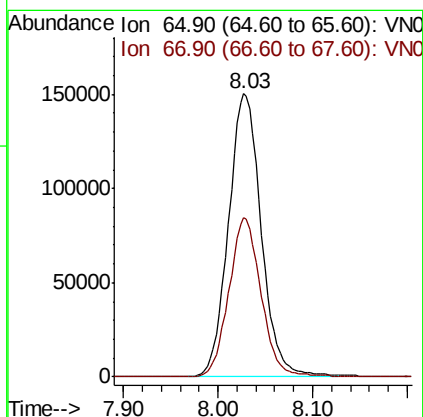
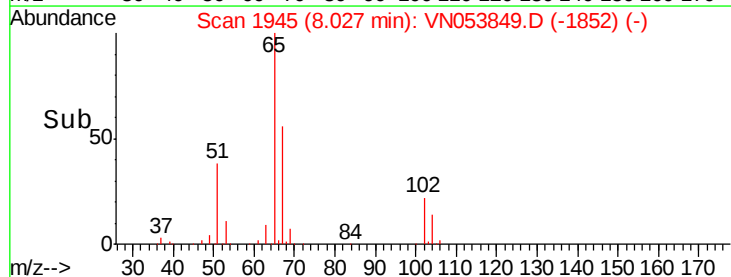
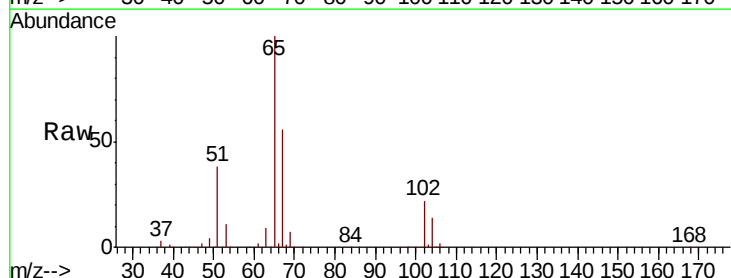
Acq: 18 Feb 2019 17:55

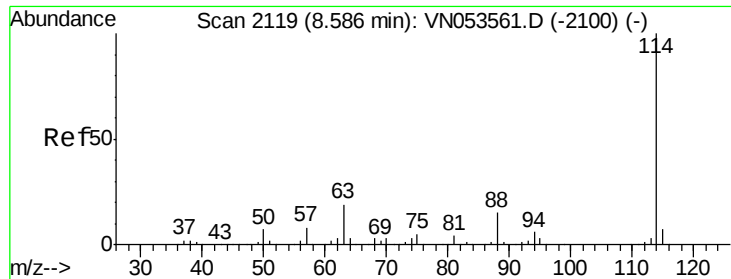
Tgt Ion: 65 Resp: 362383

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.2

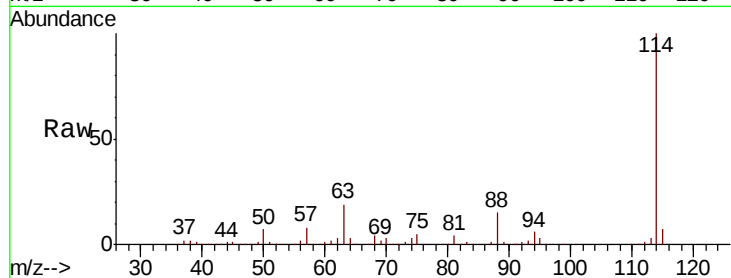




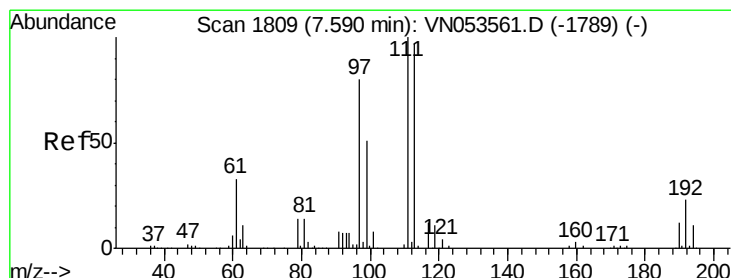
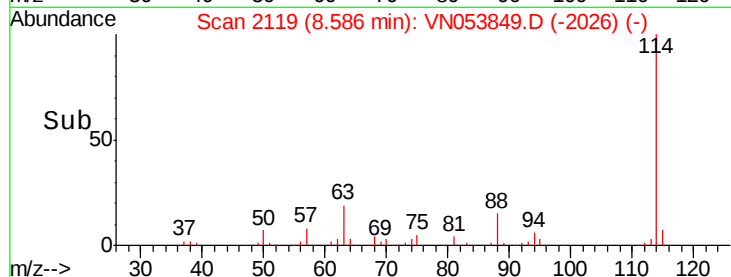
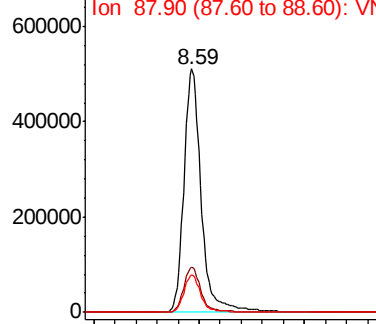
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053849.D
Acq: 18 Feb 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#13

Tgt Ion:114 Resp: 1168765
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.6
88 15.4 0.0 30.4

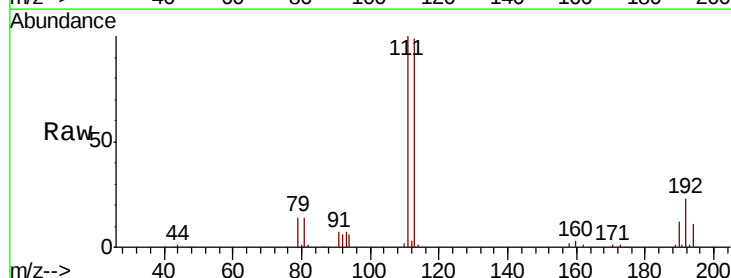


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

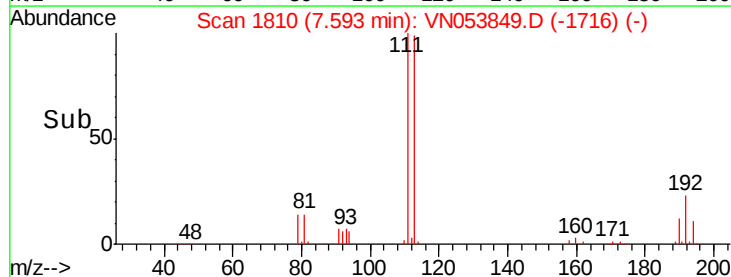
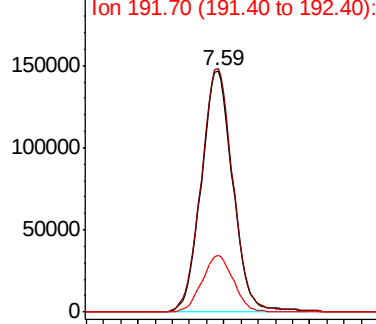


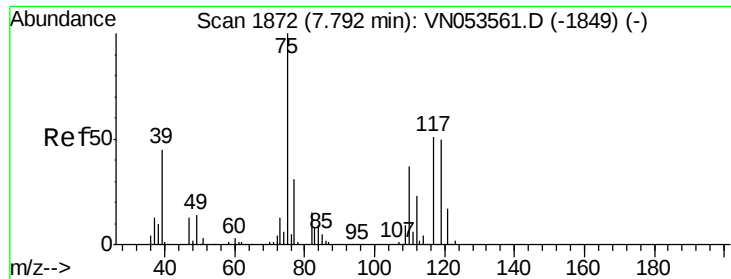
#35
Dibromofluoromethane
Concen: 50.497 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053849.D
Acq: 18 Feb 2019 17:55

Tgt Ion:113 Resp: 372925
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 23.3 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

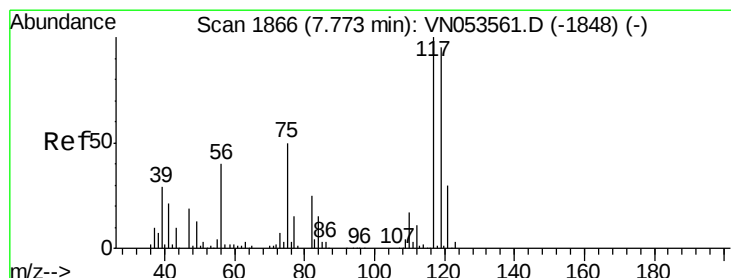
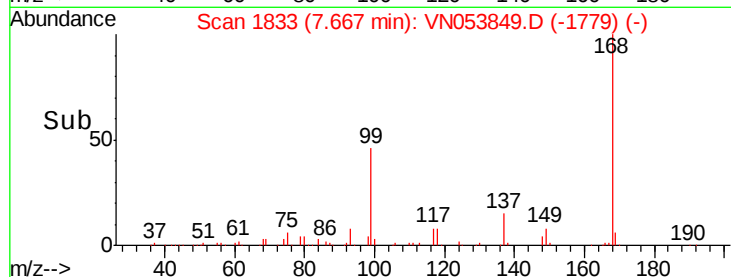
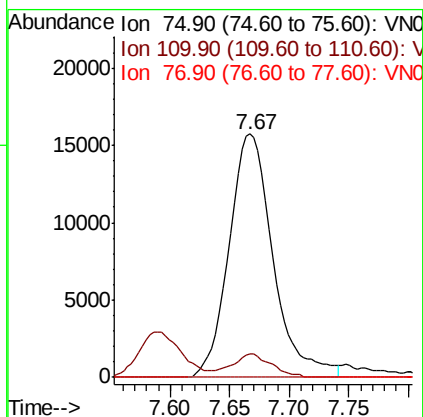
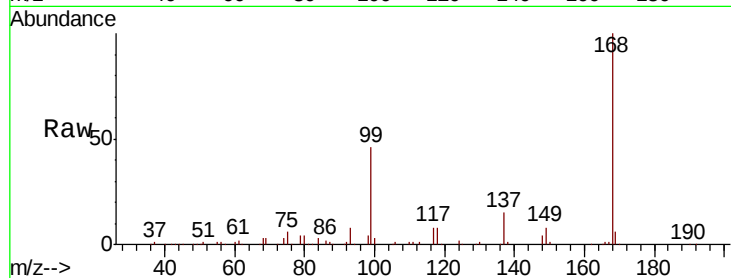




#36
 1,1-Dichloropropene
 Concen: 3.835 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

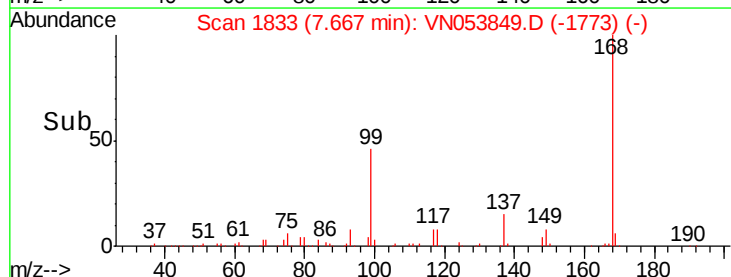
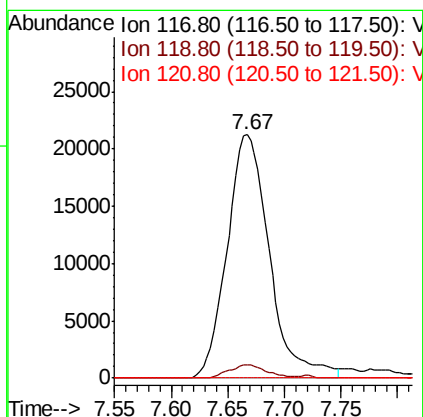
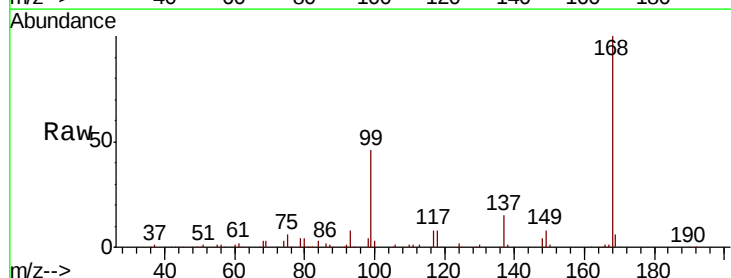
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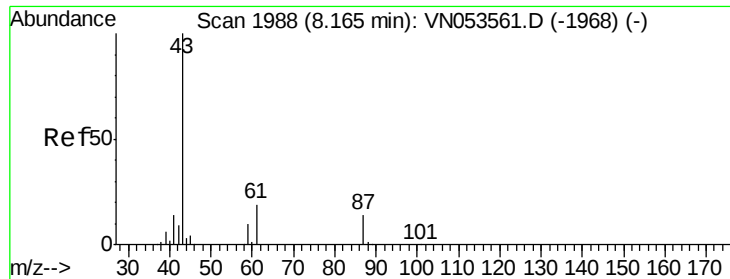
Tgt Ion: 75 Resp: 40403
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.214 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

Tgt Ion: 117 Resp: 55341
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 40.755 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

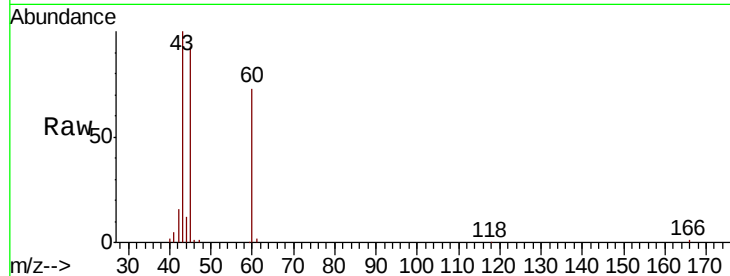
Tgt Ion: 43 Resp: 463129

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

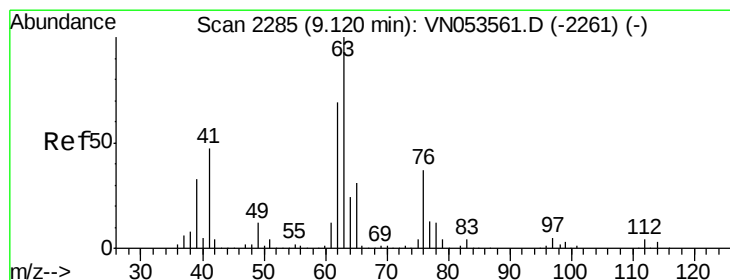
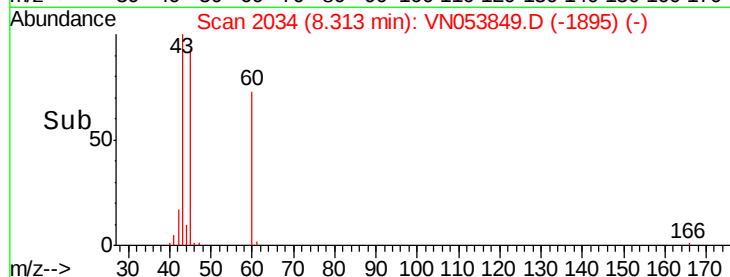
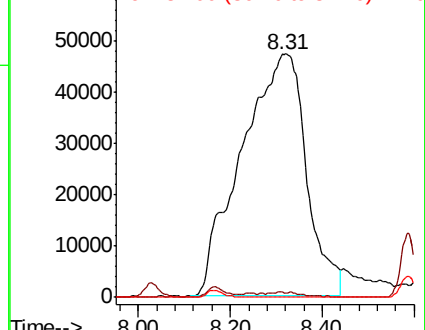
87 0.0 11.0 16.6#



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: 0.214 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053849.D

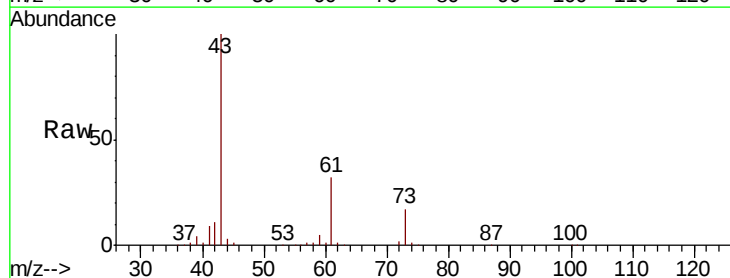
Acq: 18 Feb 2019 17:55

Tgt Ion: 63 Resp: 1777

Ion Ratio Lower Upper

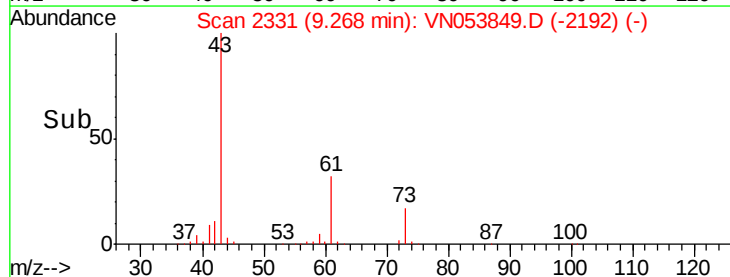
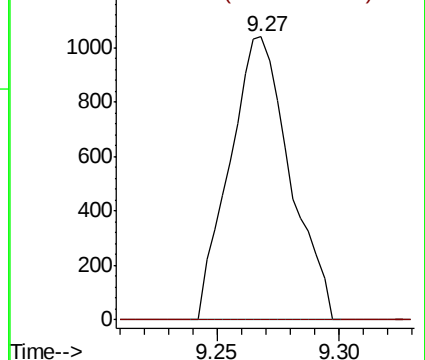
63 100

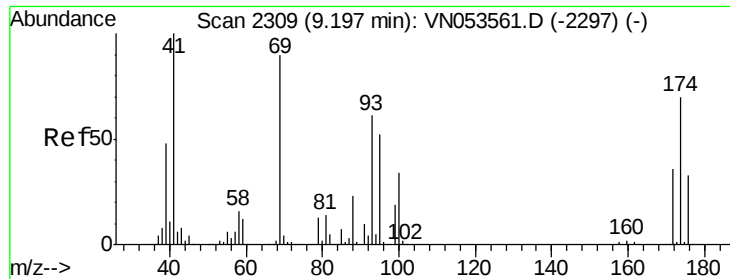
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methyl methacrylate

Concen: 1.607 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

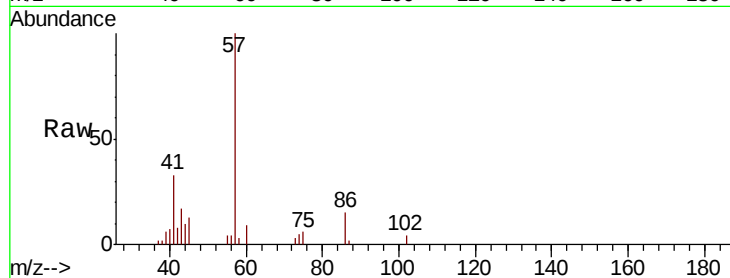
Tgt Ion: 41 Resp: 8717

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

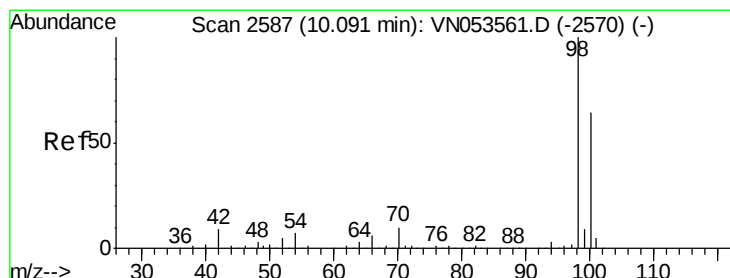
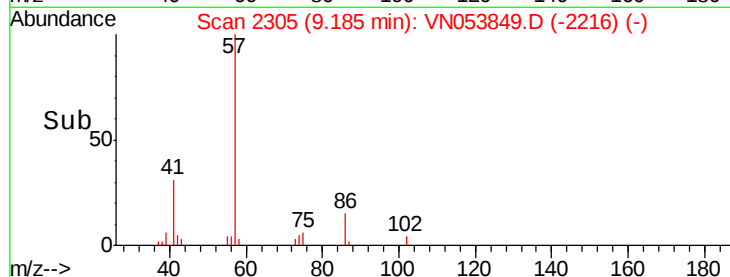
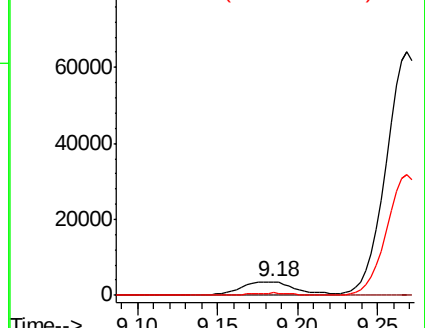
39 0.0 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053561.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-2297) (-)



#50

Toluene-d8

Concen: 49.171 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053849.D

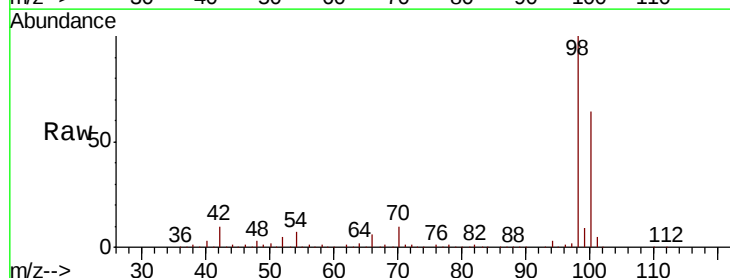
Acq: 18 Feb 2019 17:55

Tgt Ion: 98 Resp: 1363498

Ion Ratio Lower Upper

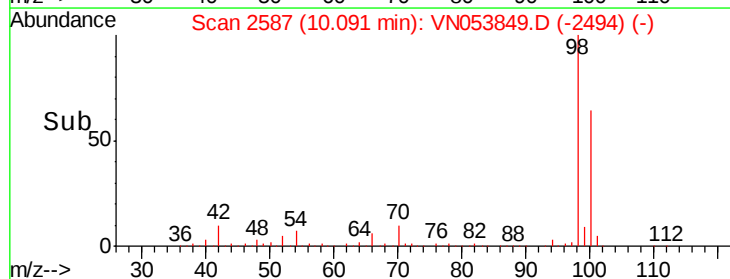
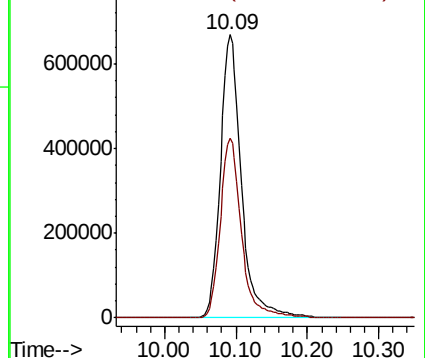
98 100

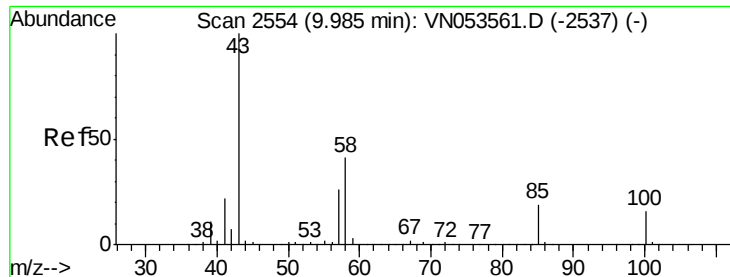
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 1.162 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

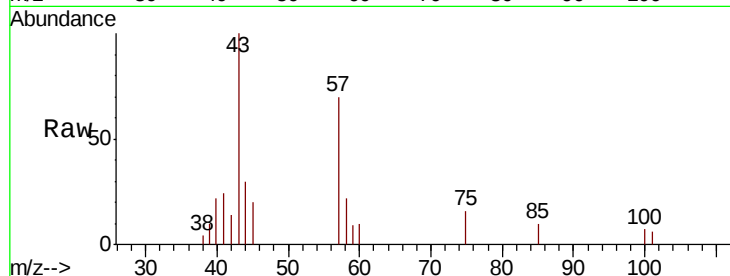
PB117159ZHE#13

Tgt Ion: 43 Resp: 6486

Ion Ratio Lower Upper

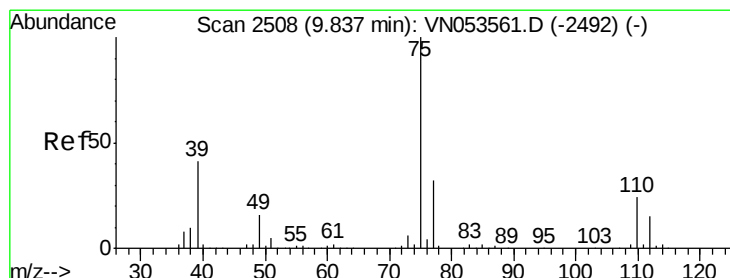
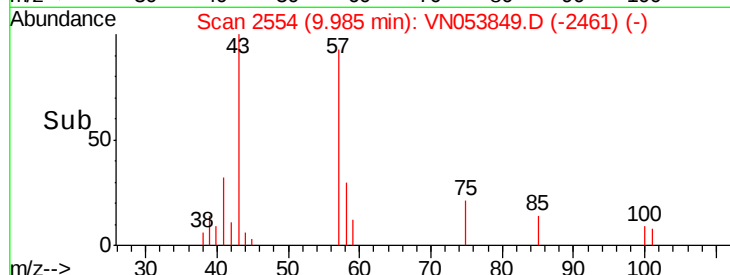
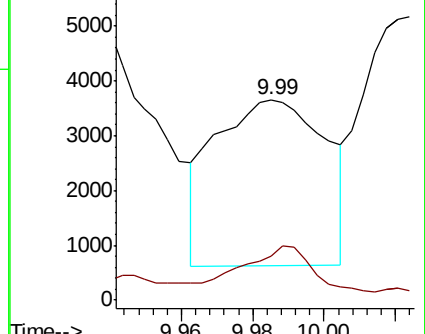
43 100

58 16.7 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.207 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

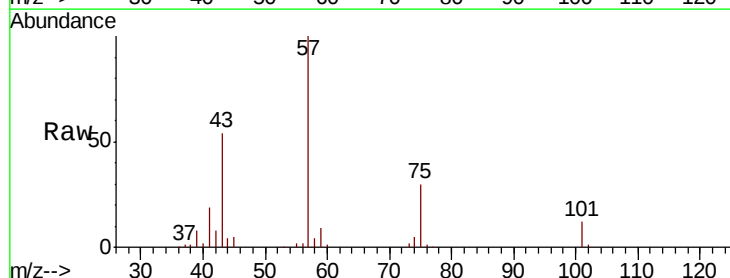
Tgt Ion: 75 Resp: 64348

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

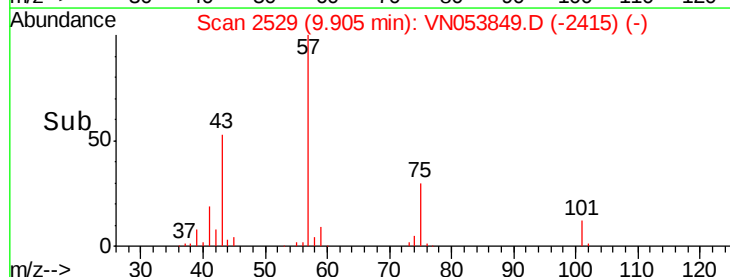
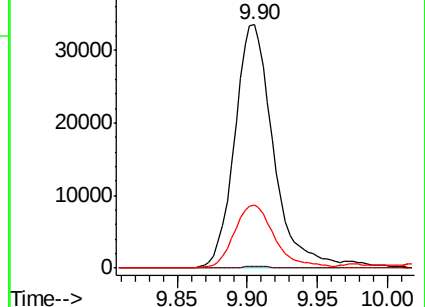
39 25.9 33.4 50.0#

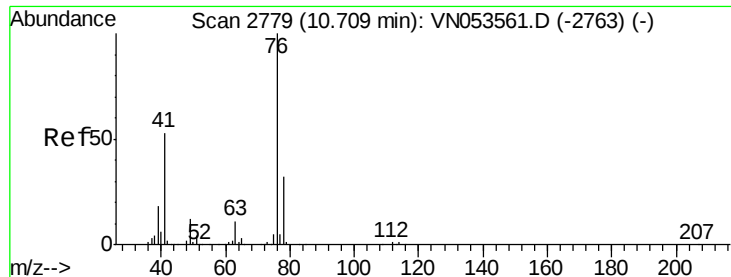


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

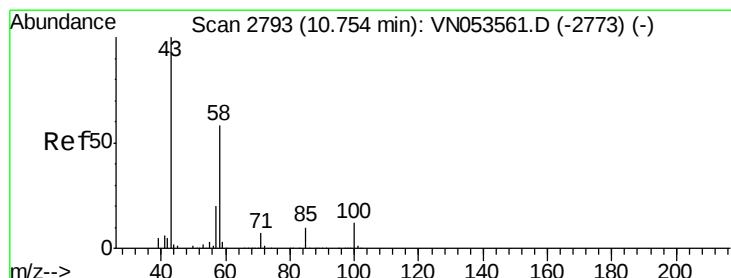
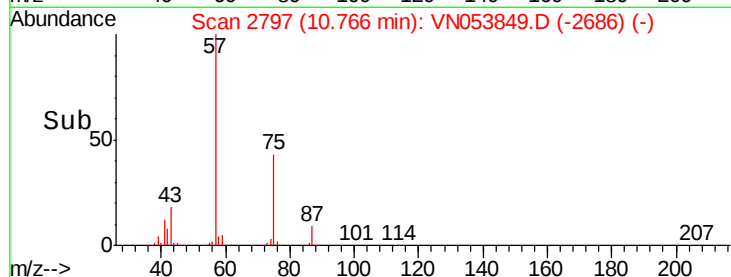
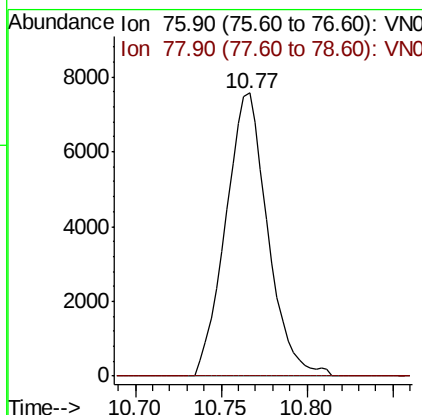
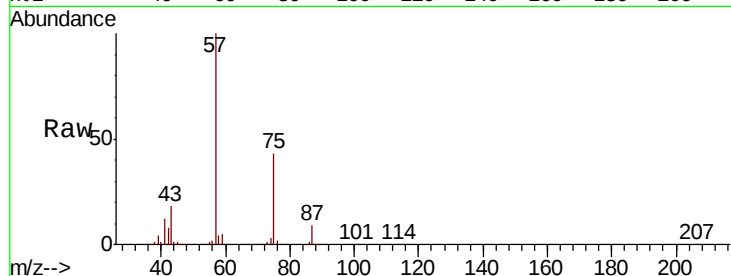




#57
 1,3-Dichloropropane
 Concen: 1.084 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

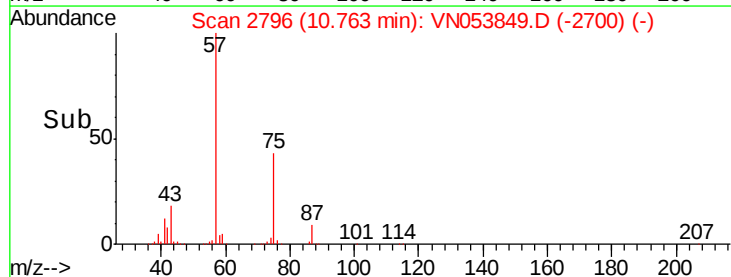
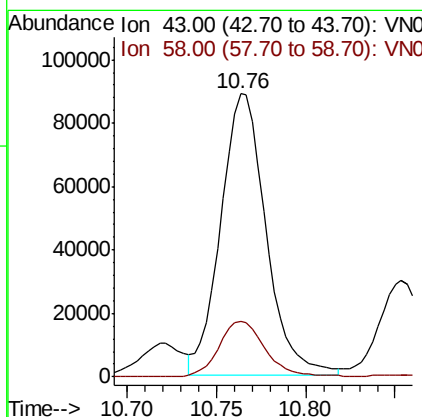
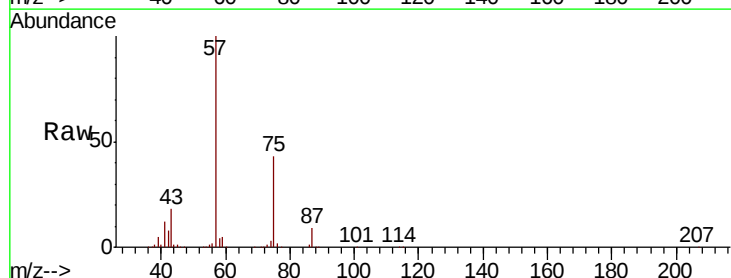
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#13

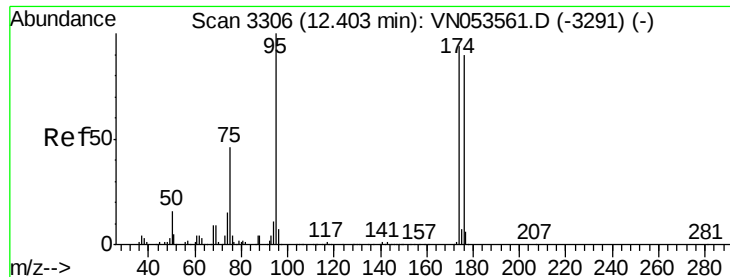
Tgt Ion: 76 Resp: 12877
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 41.249 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053849.D
 Acq: 18 Feb 2019 17:55

Tgt Ion: 43 Resp: 156373
 Ion Ratio Lower Upper
 43 100
 58 20.5 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 48.490 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

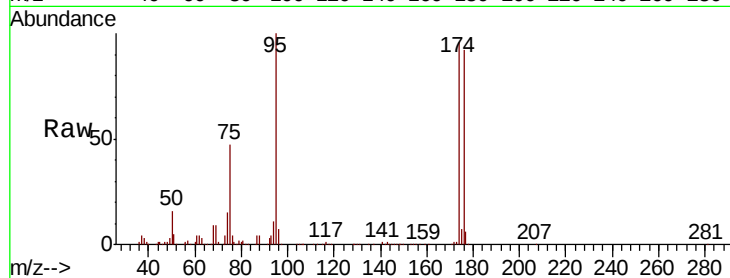
Tgt Ion: 95 Resp: 448448

Ion Ratio Lower Upper

95 100

174 95.6 0.0 183.2

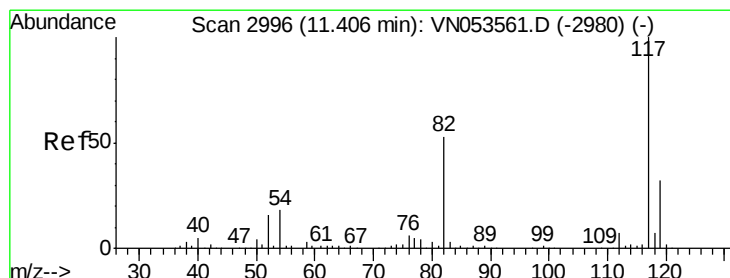
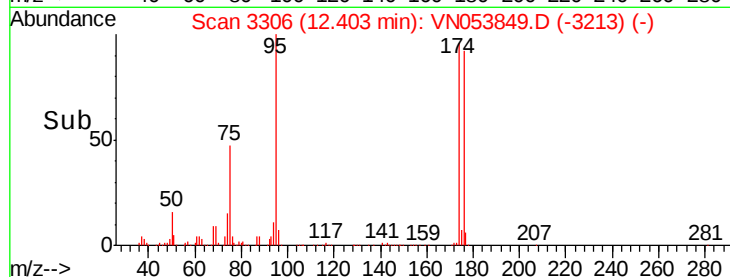
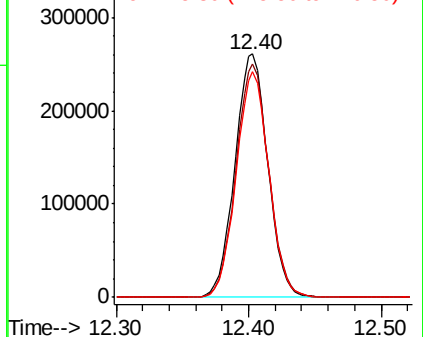
176 92.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053849.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN053849.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN053849.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

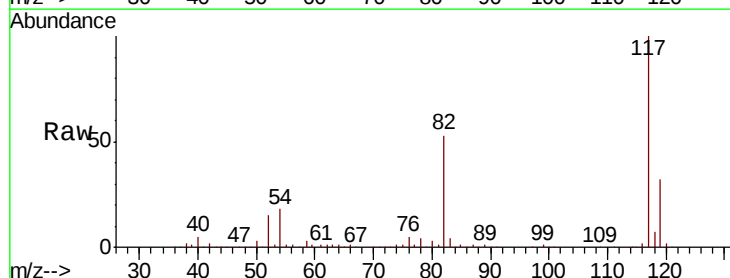
Tgt Ion: 117 Resp: 1059252

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

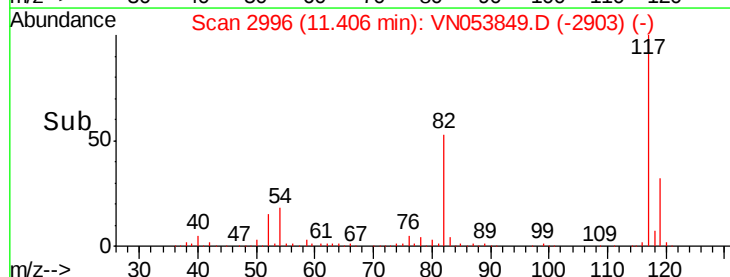
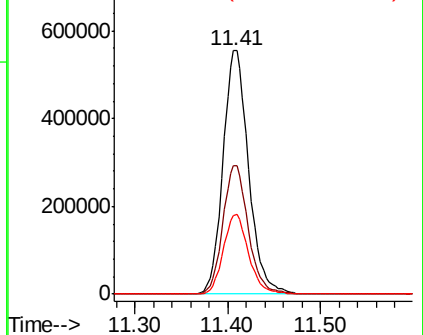
119 32.5 26.0 39.0

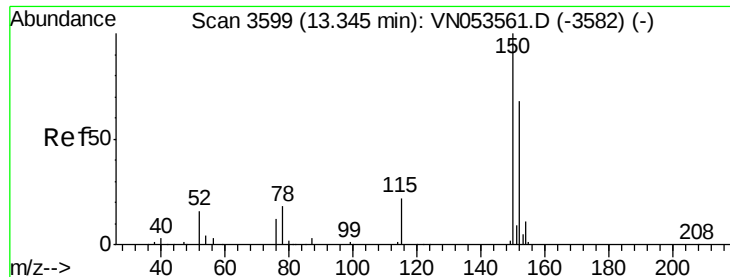


Abundance Ion 116.90 (116.60 to 117.60): VN053849.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053849.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053849.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

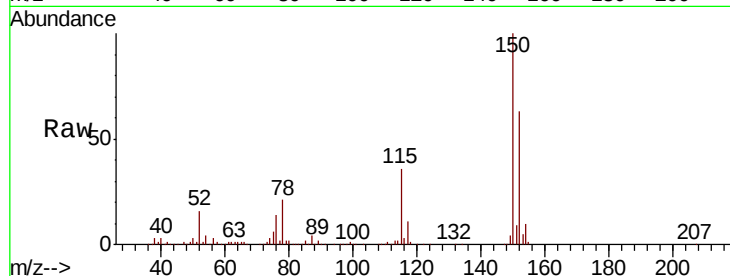
Tgt Ion:152 Resp: 414092

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

150 157.5 0.0 349.0

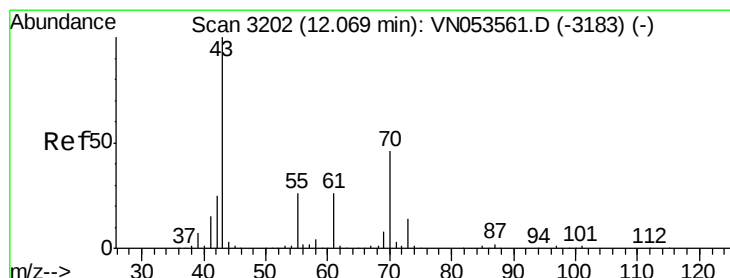
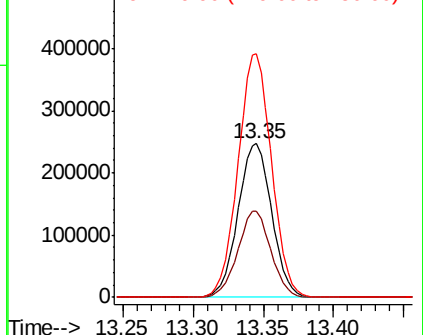
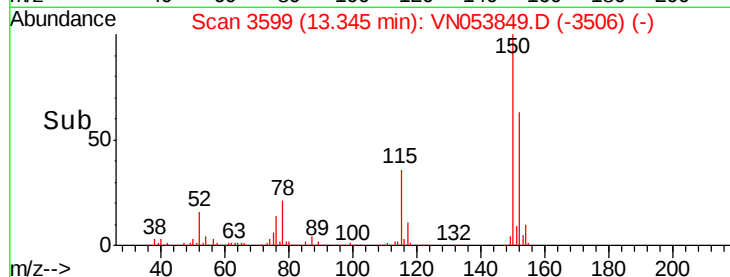


Abundance

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: 2.385 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Tgt Ion: 43 Resp: 16696

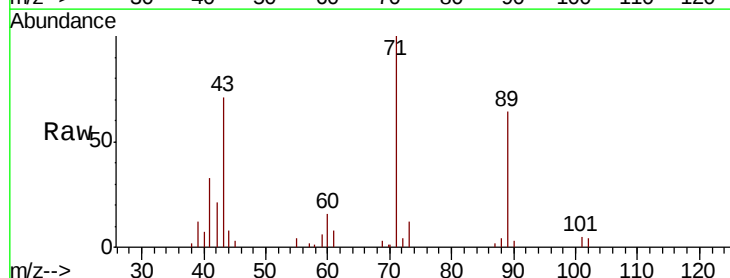
Ion Ratio Lower Upper

43 100

70 2.2 35.4 53.2#

55 4.4 20.9 31.3#

61 11.5 20.5 30.7#



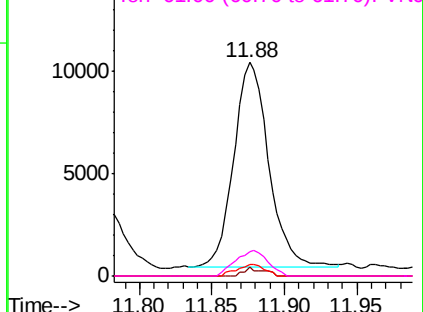
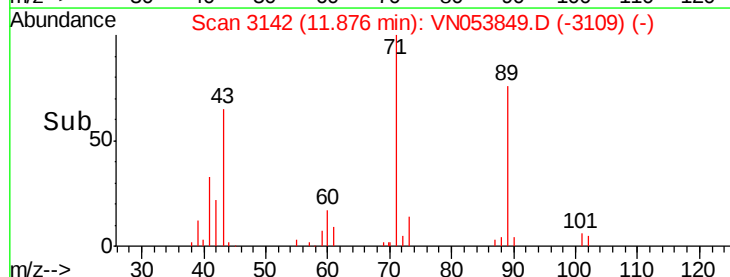
Abundance

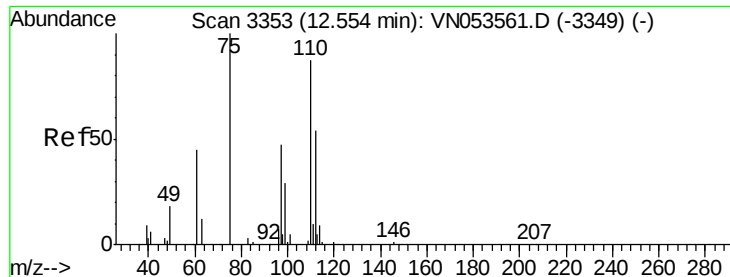
Ion 43.00 (42.70 to 43.70): V

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: 39.413 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

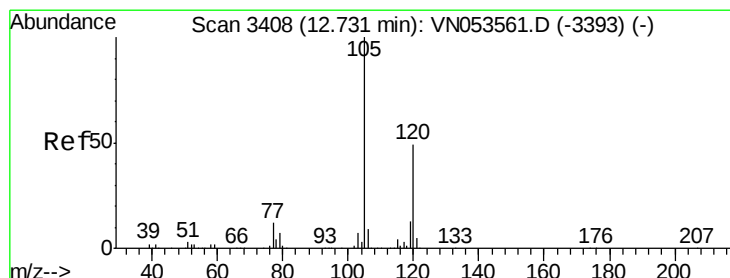
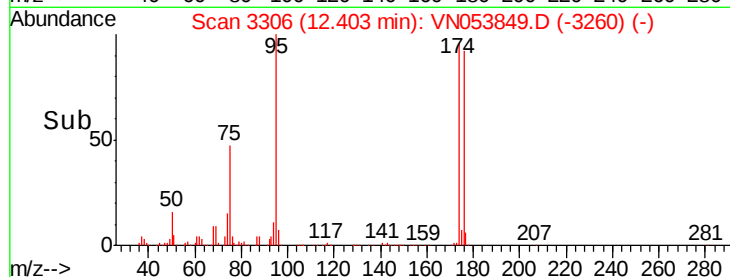
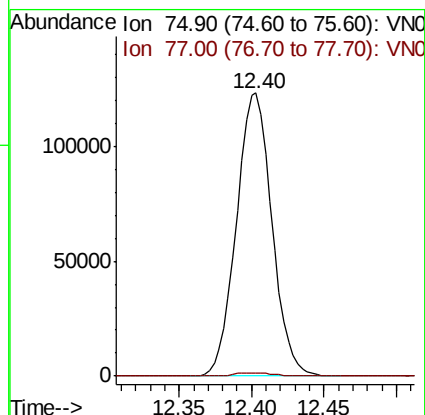
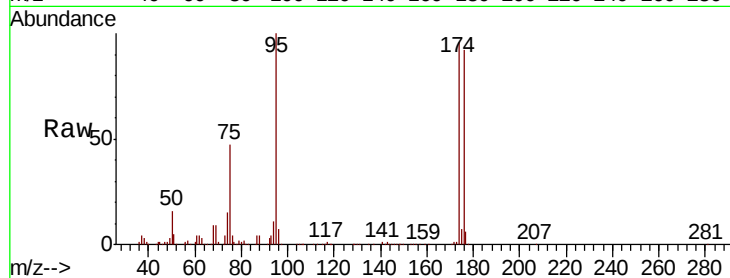
PB117159ZHE#13

Tgt Ion: 75 Resp: 209628

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.657 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053849.D

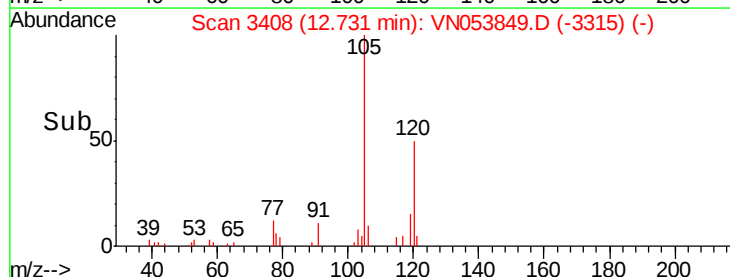
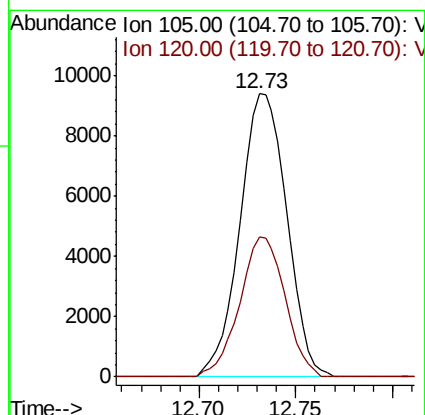
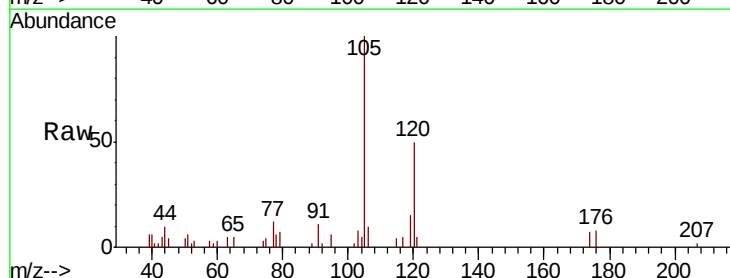
Acq: 18 Feb 2019 17:55

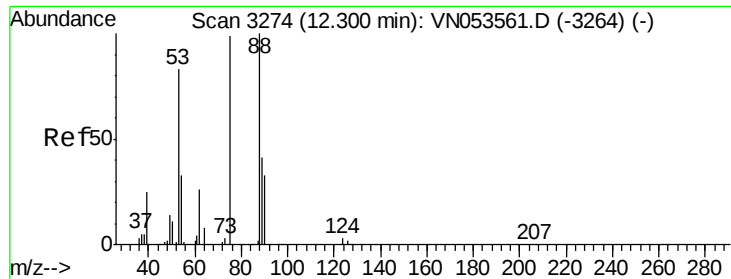
Tgt Ion: 105 Resp: 15864

Ion Ratio Lower Upper

105 100

120 47.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 110.826 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053849.D

Acq: 18 Feb 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#13

Tgt Ion: 75 Resp: 209628

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

