

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053833.D
 Acq On : 18 Feb 2019 10:44
 Operator : JC/SP
 Sample : PB117124ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#15

Quant Time: Feb 19 02:58:38 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	652469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1095231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	434574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	351142	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
35) Dibromofluoromethane	7.59	113	345919	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1338059	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	450091	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

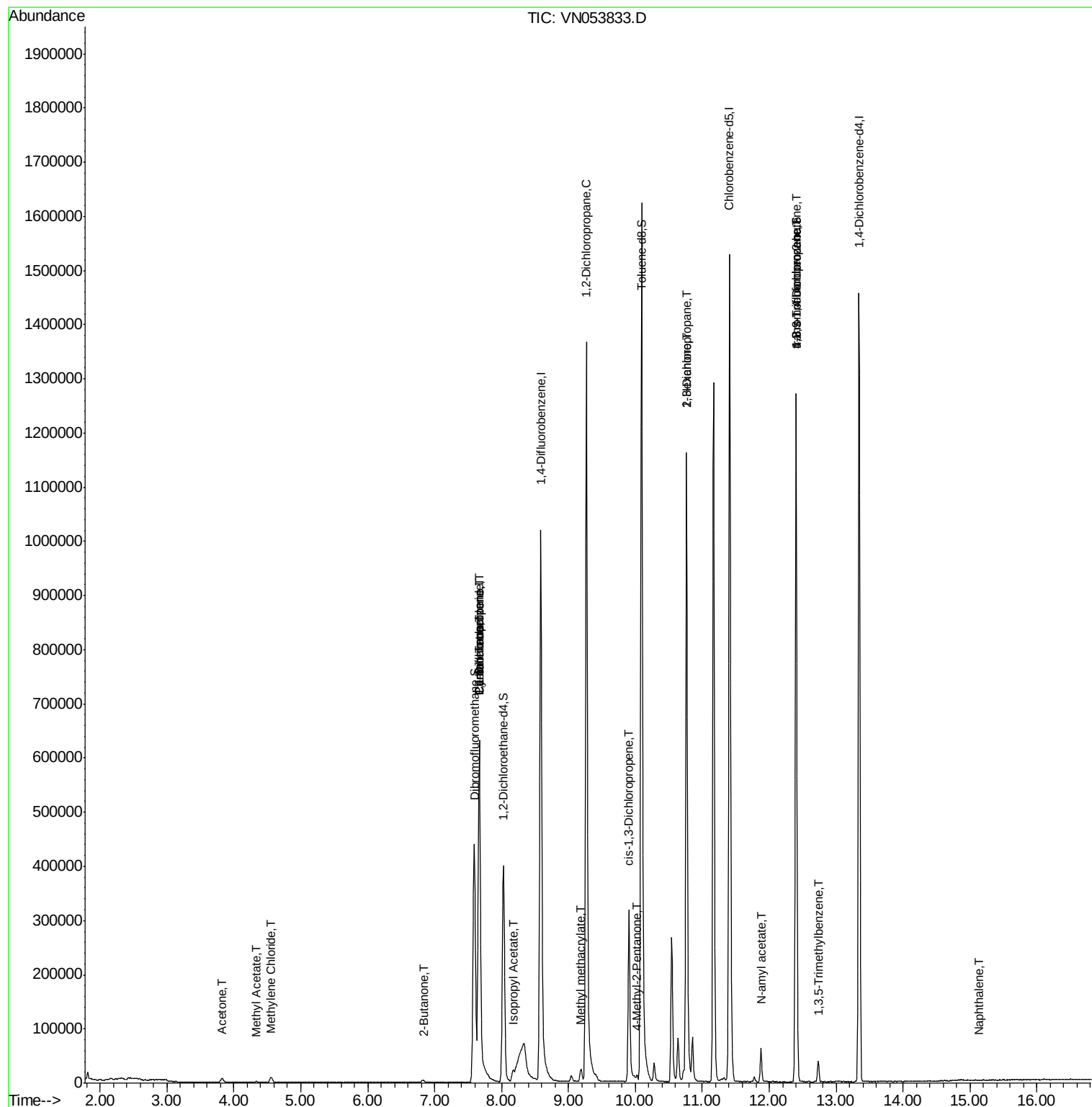
						Qvalue
16) Acetone	3.82	43	13480	8.029	ug/l	94
18) Methyl Acetate	4.33	43	1656	0.333	ug/l #	75
20) Methylene Chloride	4.56	84	7316	1.039	ug/l	93
25) 2-Butanone	6.84	43	2729	1.140	ug/l #	76
31) Cyclohexane	7.66	56	9166	0.661	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	36724	3.720	ug/l #	50
38) Carbon Tetrachloride	7.67	117	49629	4.990	ug/l #	16
43) Isopropyl Acetate	8.17	43	28127	2.641	ug/l #	84
45) 1,2-Dichloropropane	9.27	63	1871	0.240	ug/l #	43
48) Methyl methacrylate	9.18	41	9053	1.781	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	8090	1.546	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	68820	5.942	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	13999	1.258	ug/l #	43
59) 2-Hexanone	10.76	43	170366	47.958	ug/l #	50
74) N-amyl acetate	11.88	43	18042	2.456	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	207419	37.160	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	21469	0.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	207419	104.490	ug/l #	15
95) Naphthalene	15.13	128	459	1.760	ug/l #	69

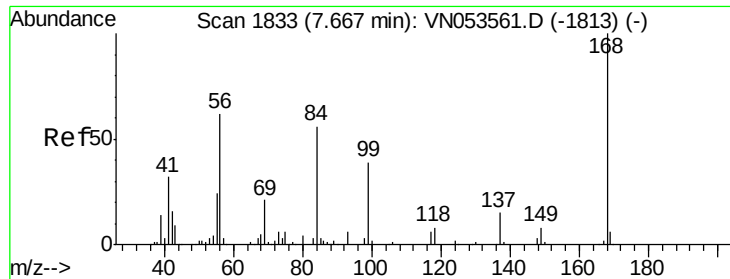
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053833.D

Acq: 18 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

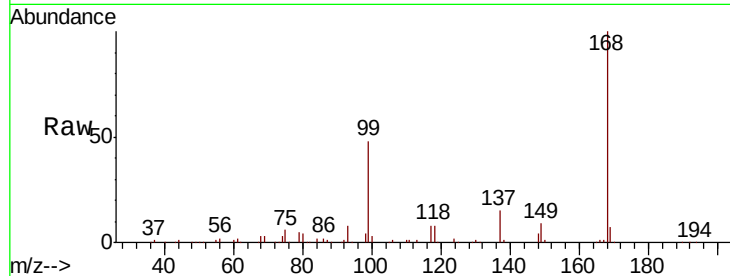
PB117124ZHE#15

Tgt Ion:168 Resp: 652469

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053833.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053833.D (-1740) (-)

7.67

250000

200000

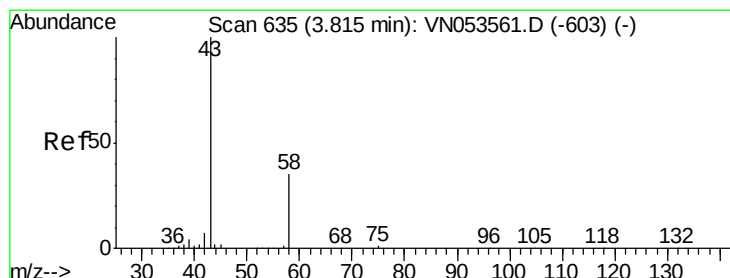
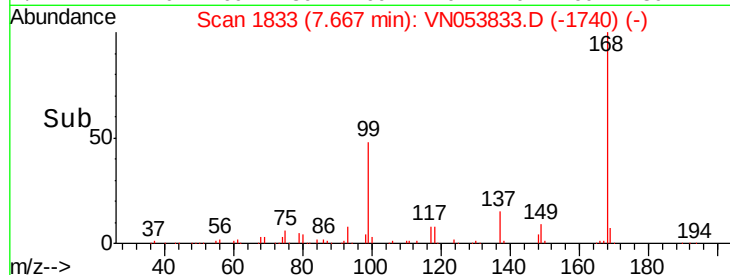
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 8.029 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053833.D

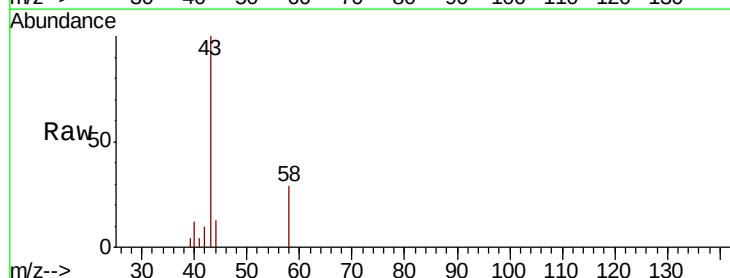
Acq: 18 Feb 2019 10:44

Tgt Ion: 43 Resp: 13480

Ion Ratio Lower Upper

43 100

58 30.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053833.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053833.D (-542) (-)

3.82

5000

4000

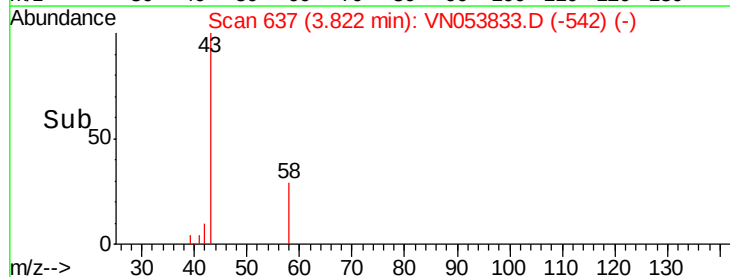
3000

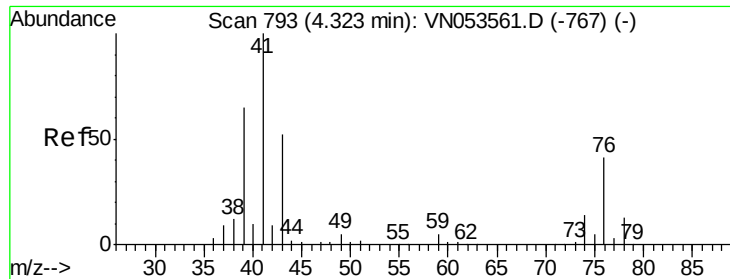
2000

1000

0

Time--> 3.75 3.80 3.85 3.90

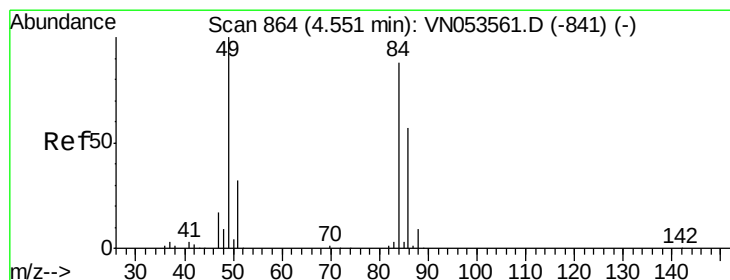
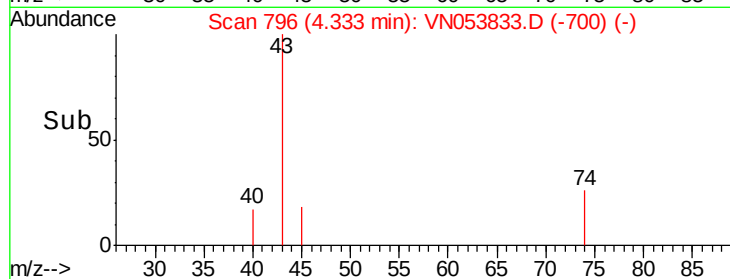
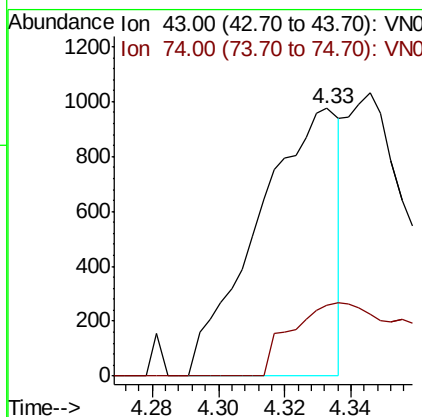
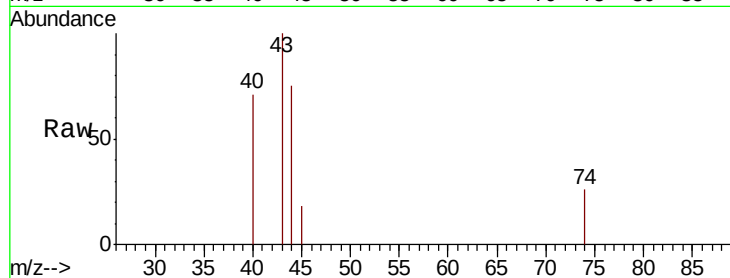




#18
Methyl Acetate
Concen: 0.333 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

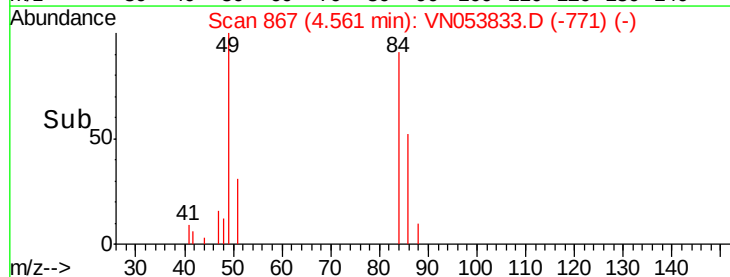
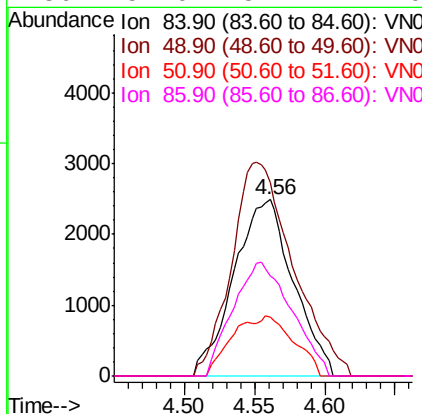
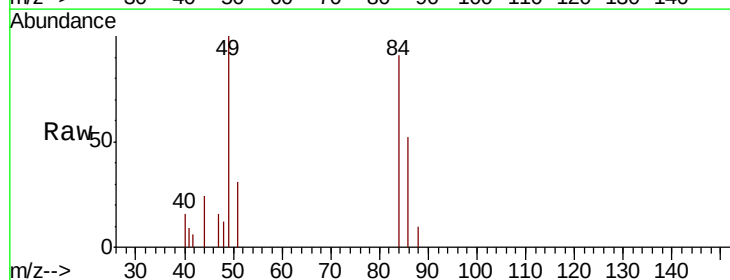
Instrument :
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PB117124ZHE#15

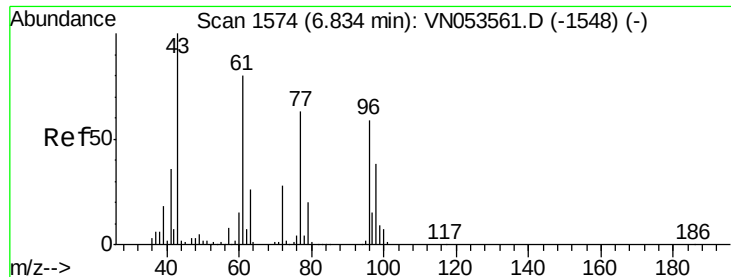
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
74 36.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.039 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion: 84 Resp: 7316
Ion Ratio Lower Upper
84 100
49 110.0 94.3 141.5
51 33.7 29.4 44.2
86 57.0 51.4 77.0

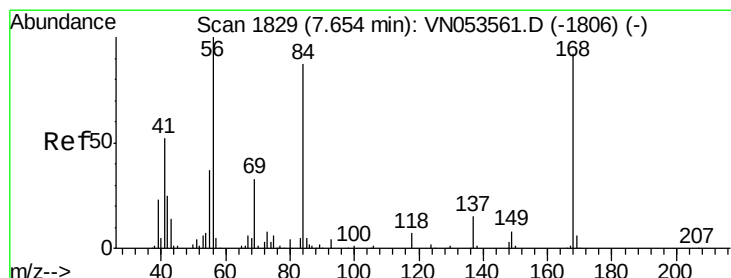
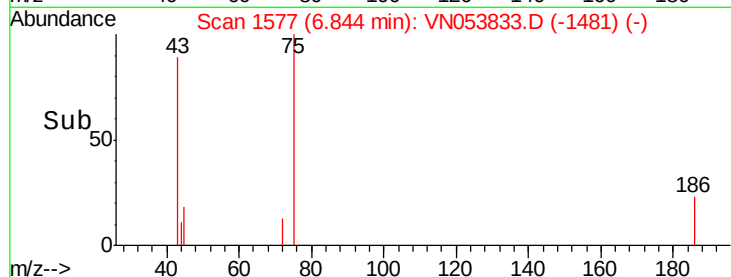
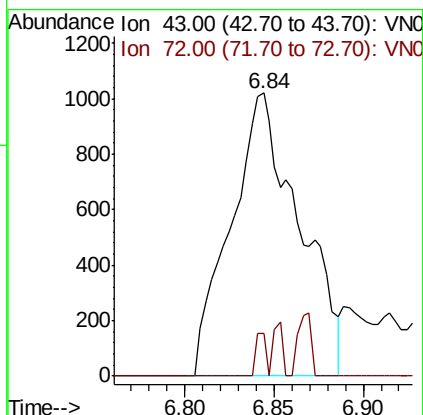
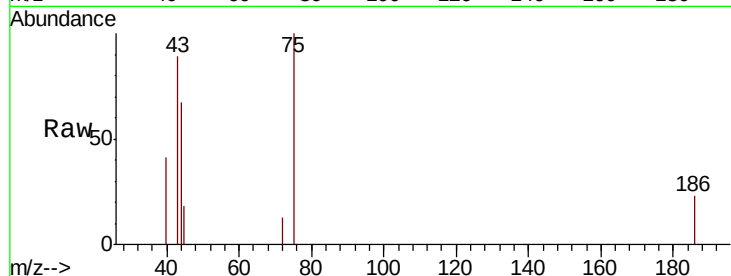




#25
2-Butanone
Concen: 1.140 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

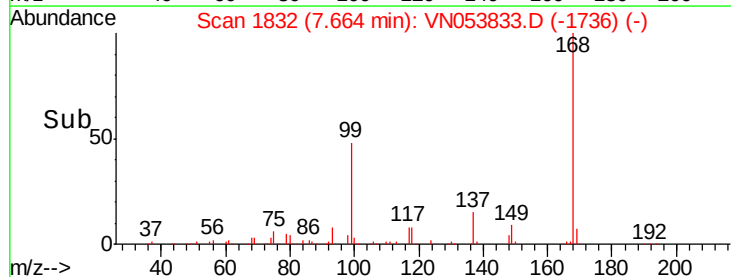
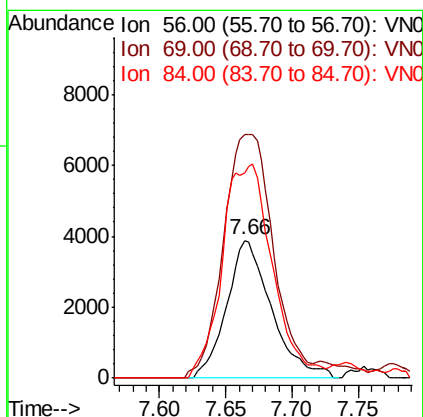
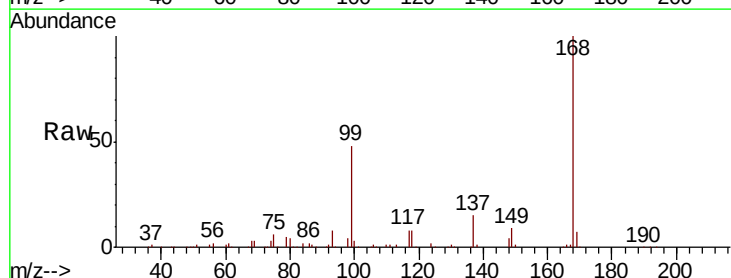
Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#15

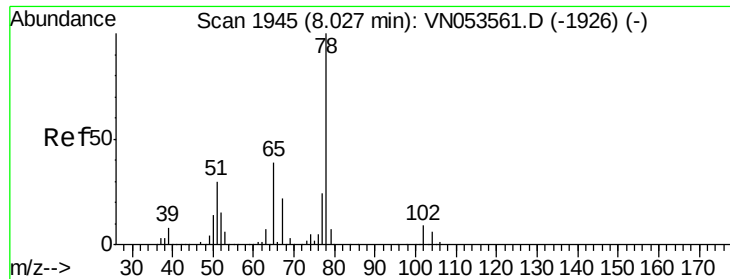
Tgt Ion: 43 Resp: 2729
Ion Ratio Lower Upper
43 100
72 15.1 22.0 33.0#



#31
Cyclohexane
Concen: 0.661 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion: 56 Resp: 9166
Ion Ratio Lower Upper
56 100
69 171.1 26.4 39.6#
84 148.4 67.9 101.9#

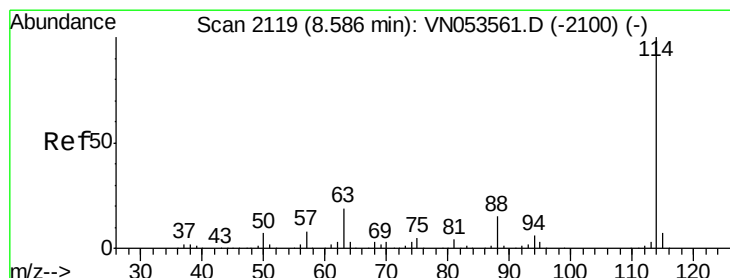
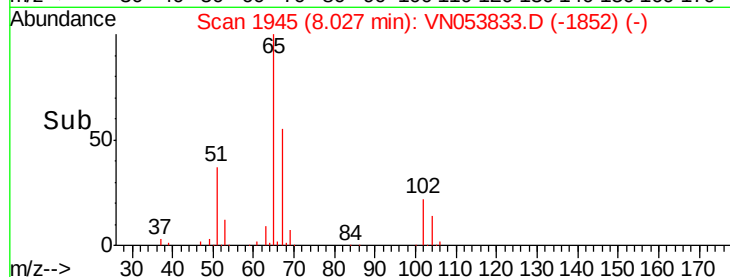
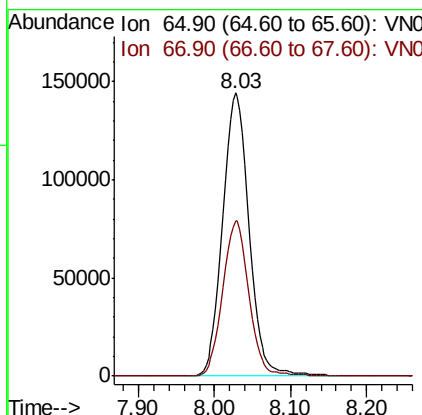
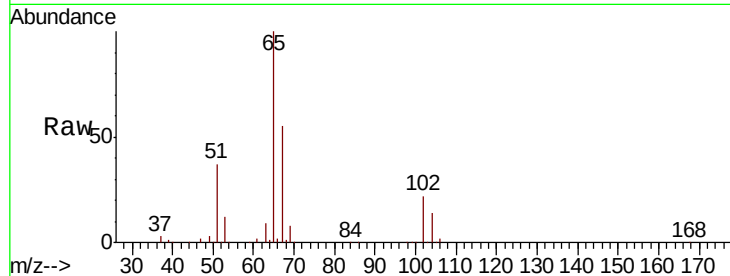




#33
 1,2-Dichloroethane-d4
 Concen: 53.646 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

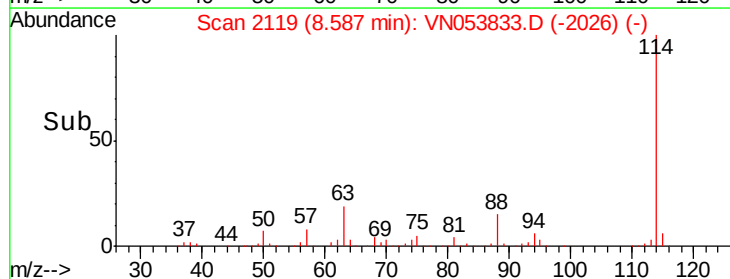
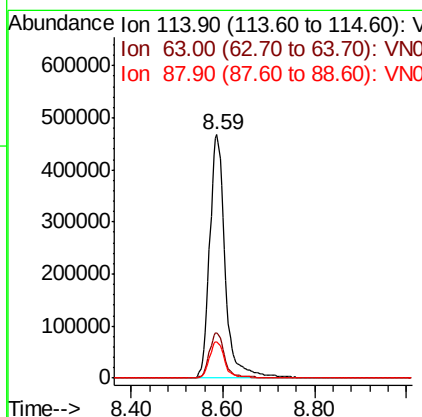
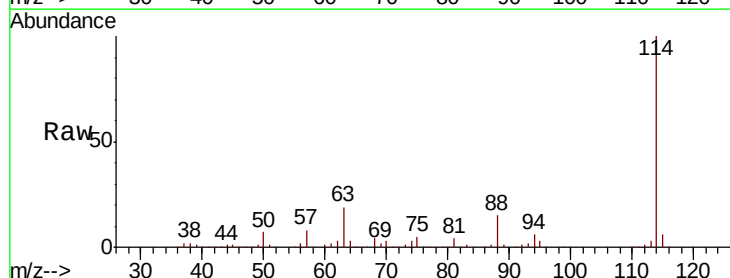
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#15

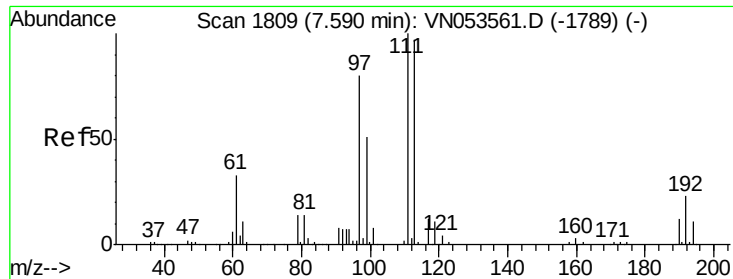
Tgt Ion: 65 Resp: 351142
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

Tgt Ion: 114 Resp: 1095231
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.1 0.0 30.4

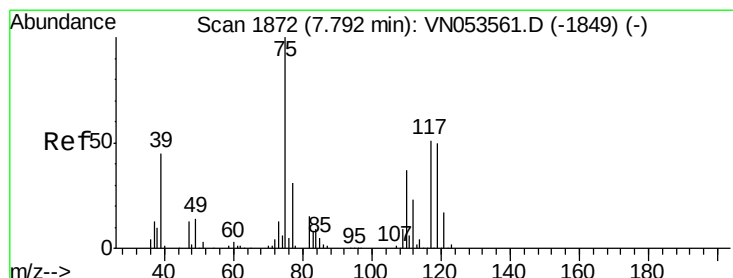
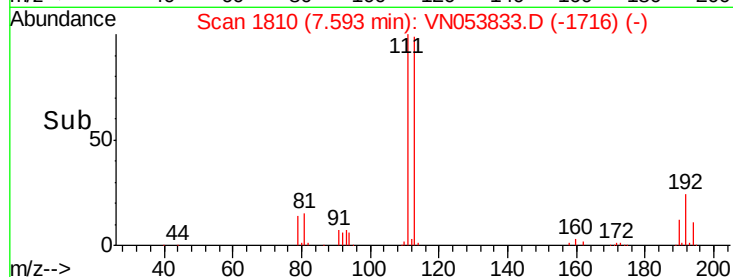
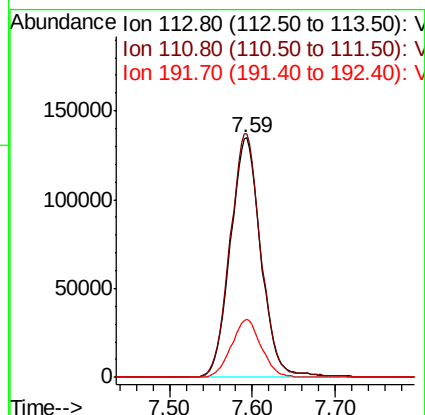
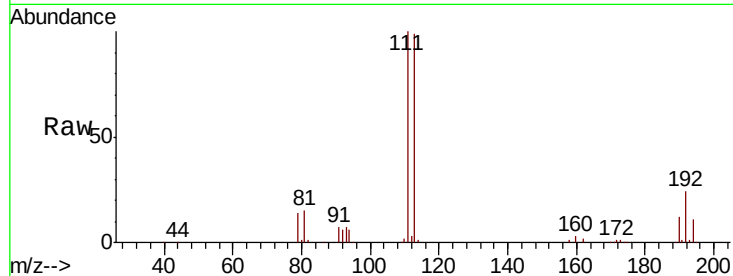




#35
 Dibromofluoromethane
 Concen: 49.985 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

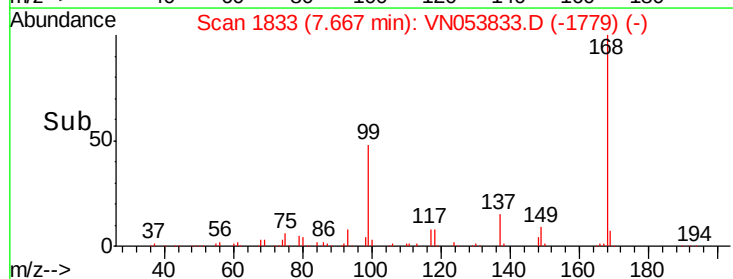
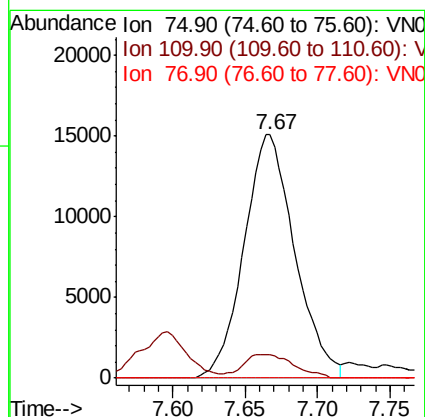
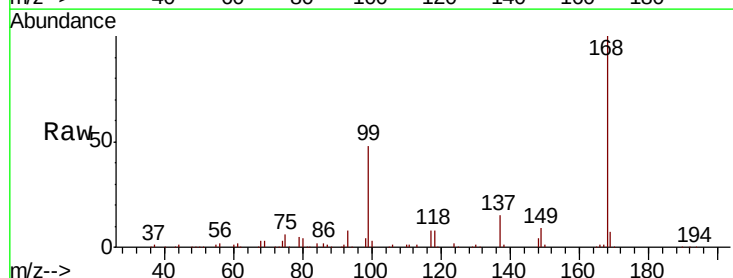
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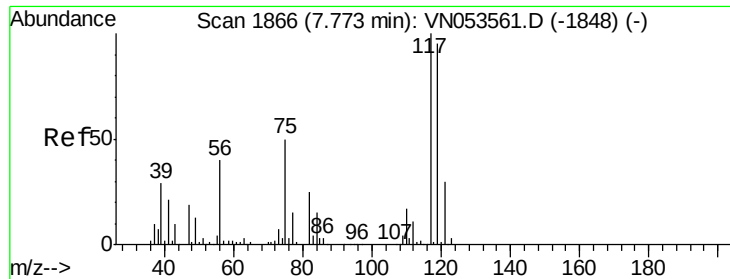
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	23.6	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 3.720 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.3#
77	0.0	25.1	37.7#

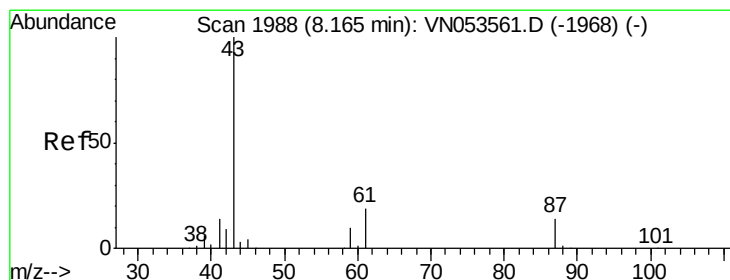
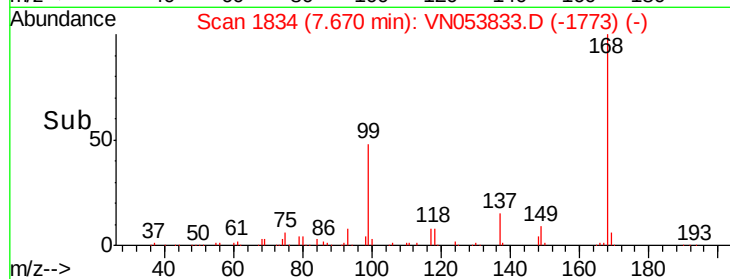
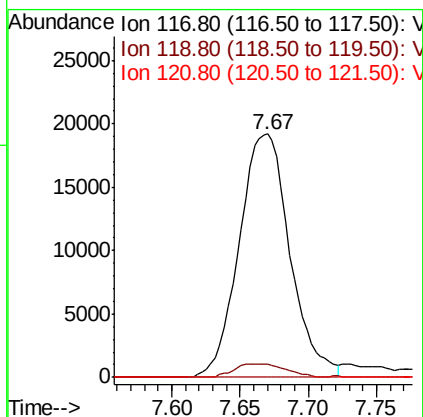
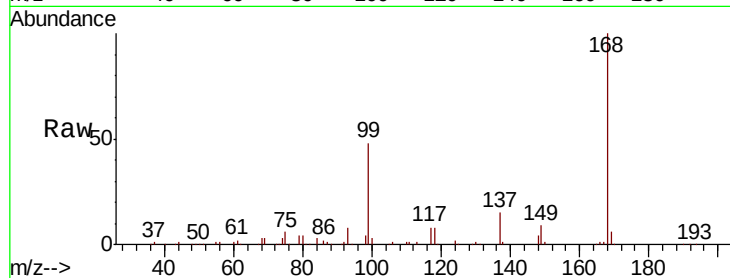




#38
Carbon Tetrachloride
Concen: 4.990 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

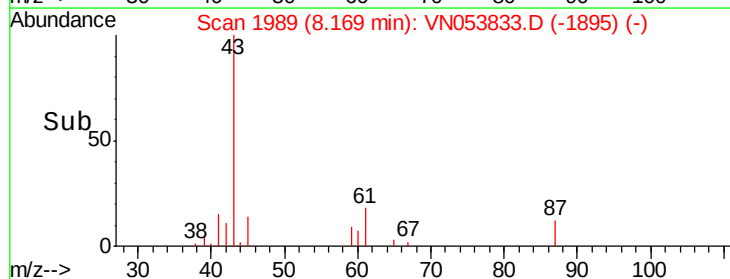
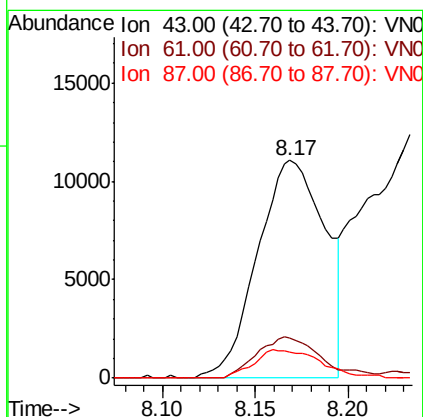
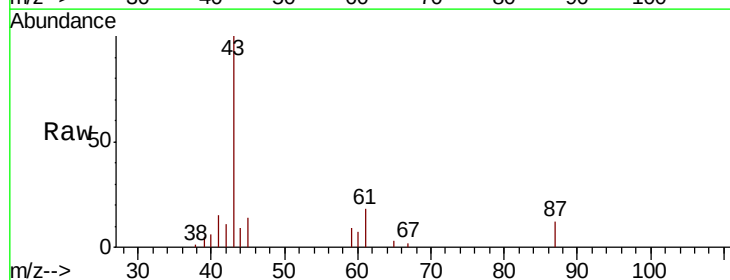
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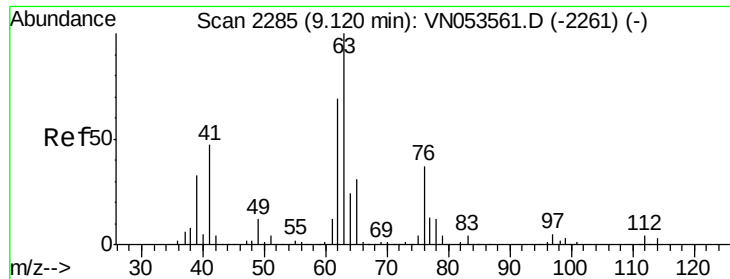
Tgt Ion: 117 Resp: 49629
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 2.641 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion: 43 Resp: 28127
Ion Ratio Lower Upper
43 100
61 17.8 23.9 35.9#
87 12.5 11.0 16.6

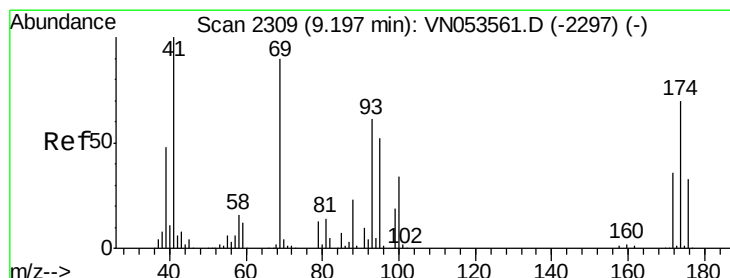
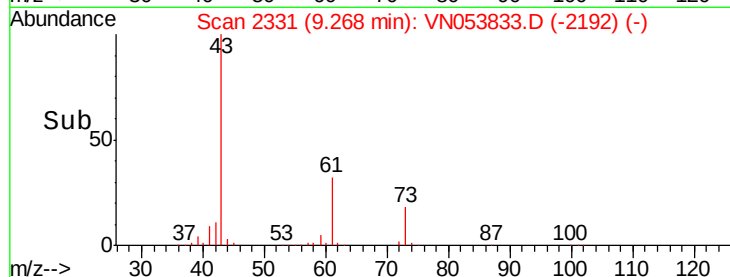
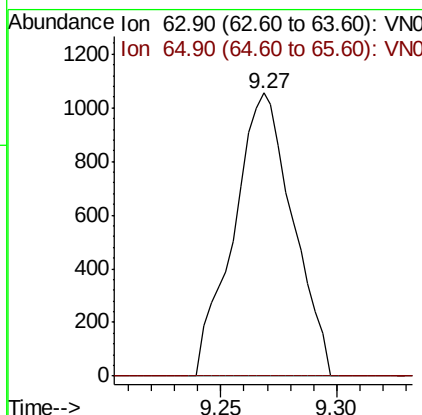
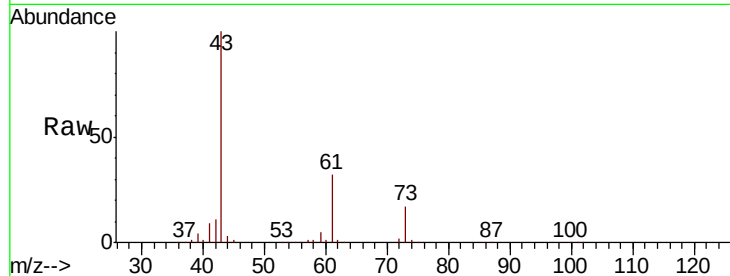




#45
 1,2-Dichloropropane
 Concen: 0.240 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

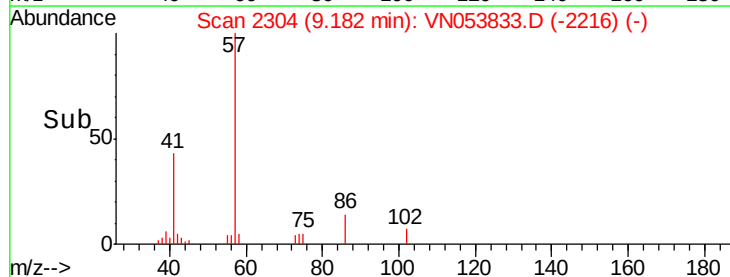
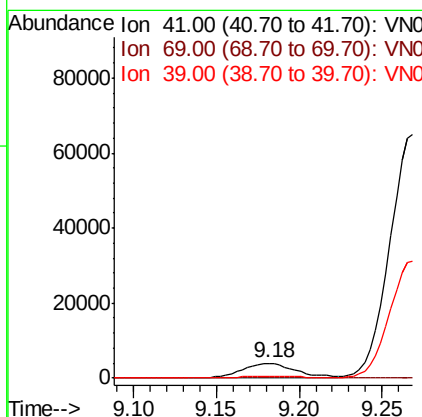
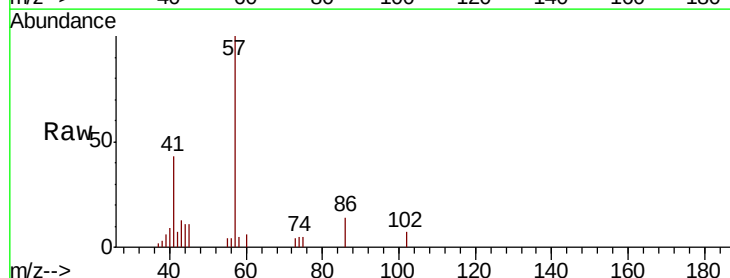
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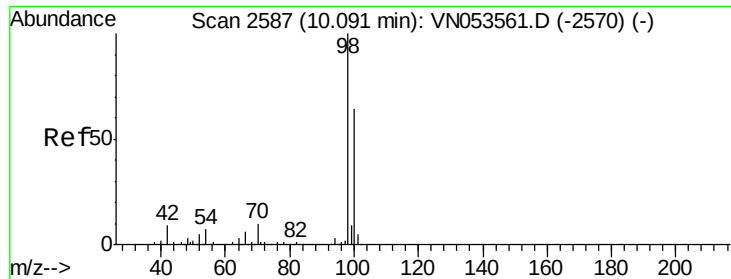
Tgt Ion: 63 Resp: 1871
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.781 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

Tgt Ion: 41 Resp: 9053
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.8 110.6#
 39 0.0 40.0 60.0#

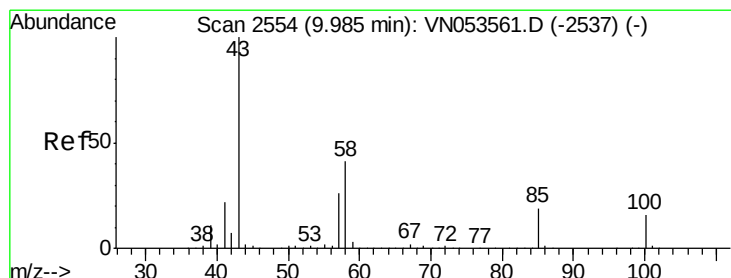
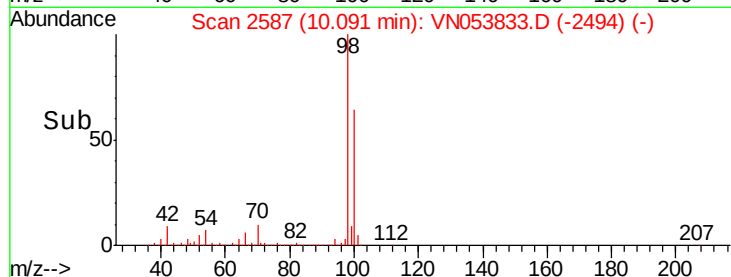
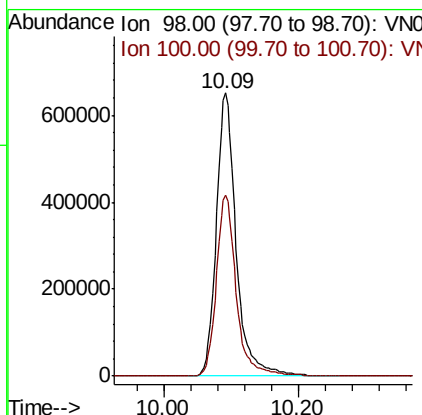
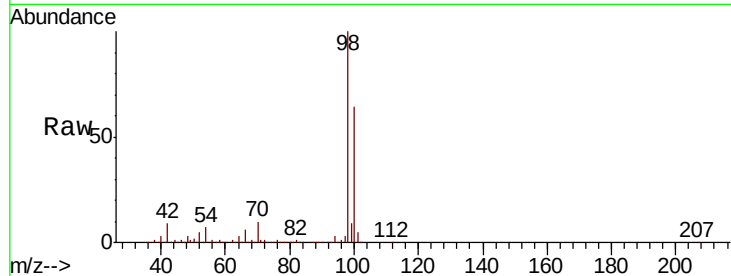




#50
Toluene-d8
Concen: 51.494 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

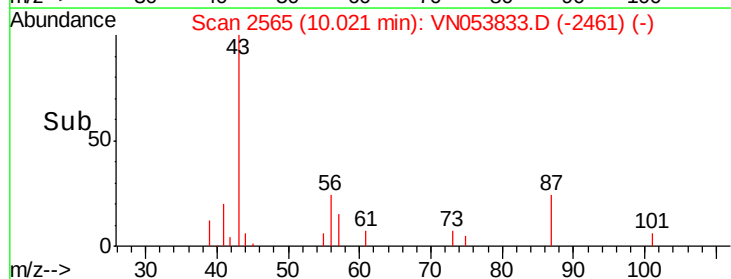
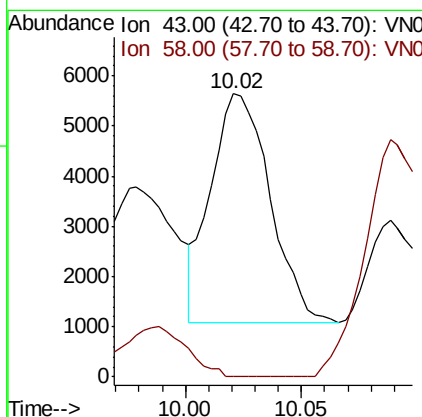
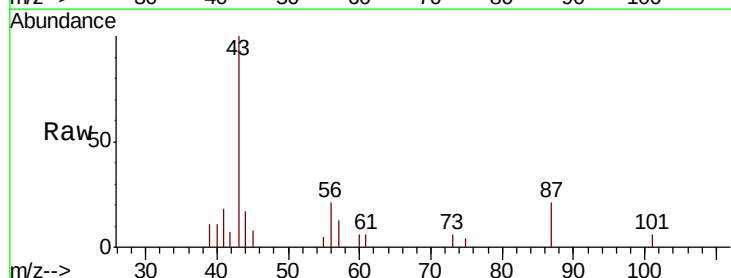
Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#15

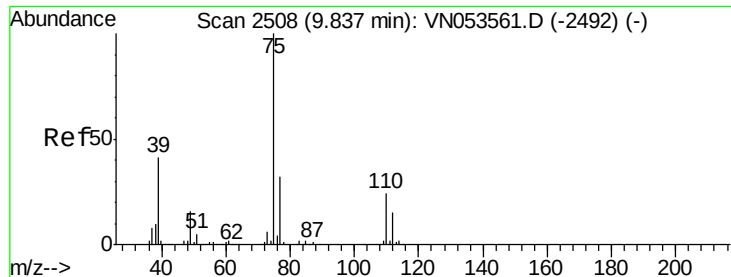
Tgt Ion: 98 Resp: 1338059
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 10.02 min Scan# 2565
Delta R.T. 0.04 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion: 43 Resp: 8090
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 5.942 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053833.D

Acq: 18 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#15

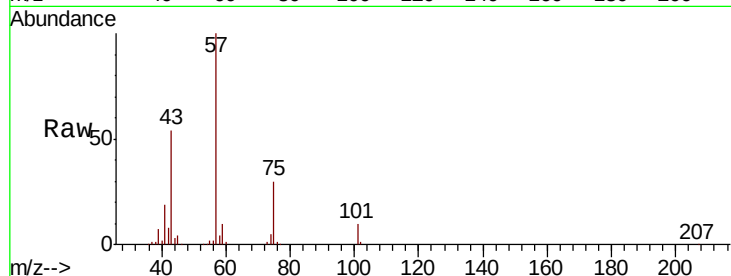
Tgt Ion: 75 Resp: 68820

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

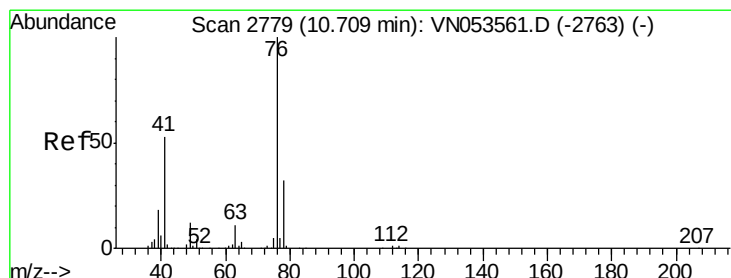
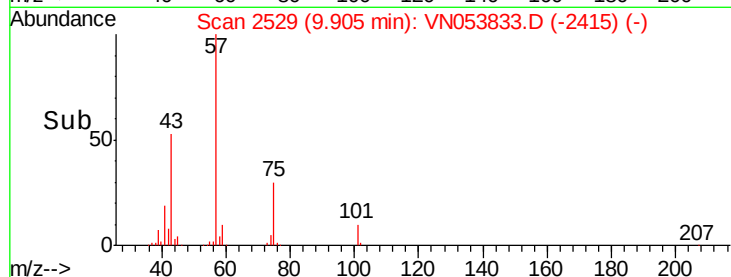
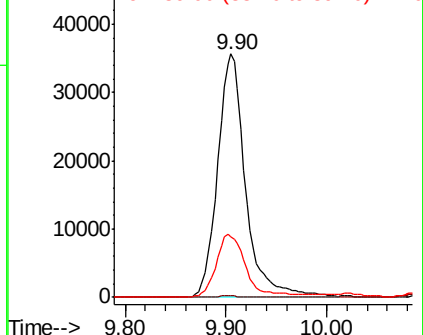
39 25.0 33.4 50.0#



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: 1.258 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053833.D

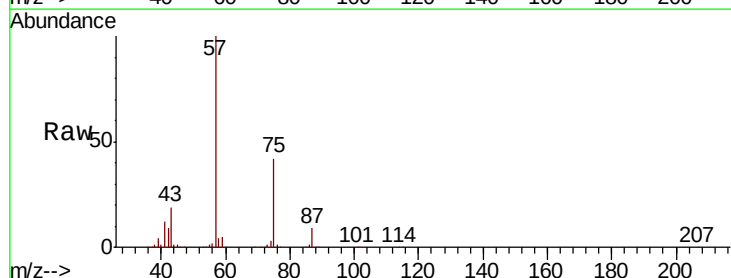
Acq: 18 Feb 2019 10:44

Tgt Ion: 76 Resp: 13999

Ion Ratio Lower Upper

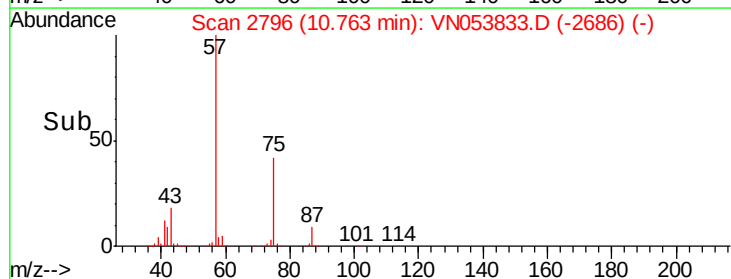
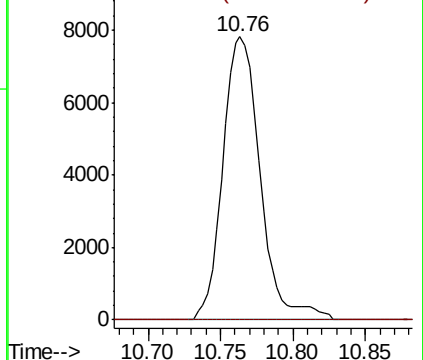
76 100

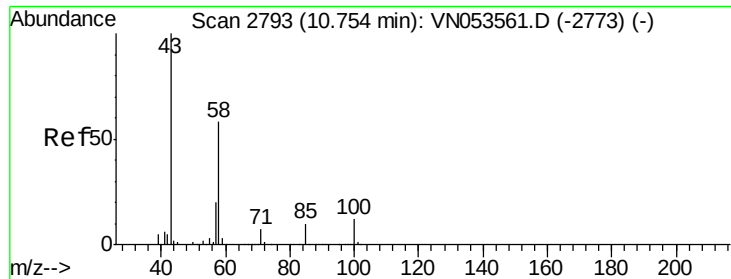
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

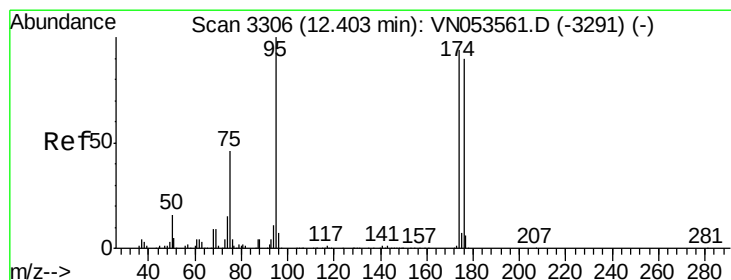
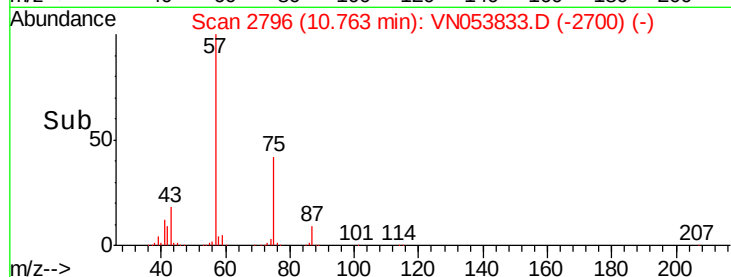
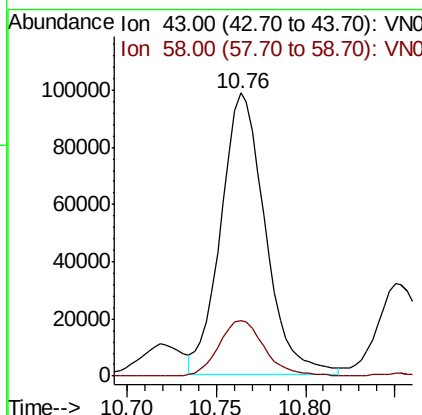
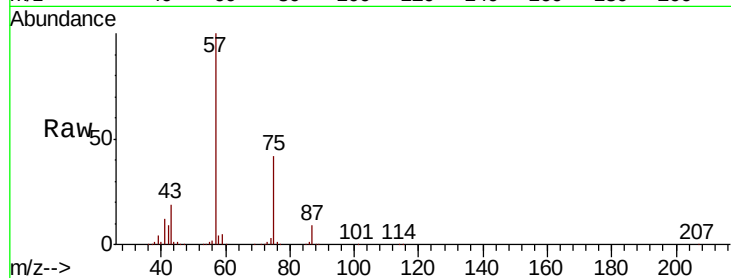




#59
2-Hexanone
Concen: 47.958 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

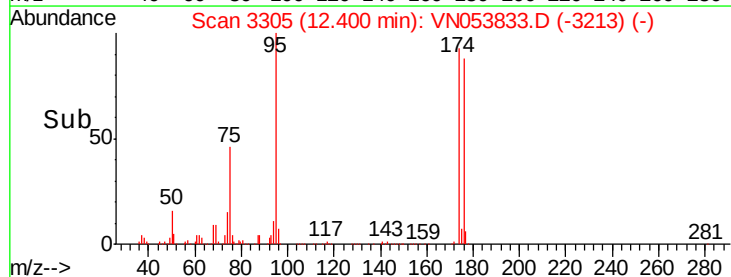
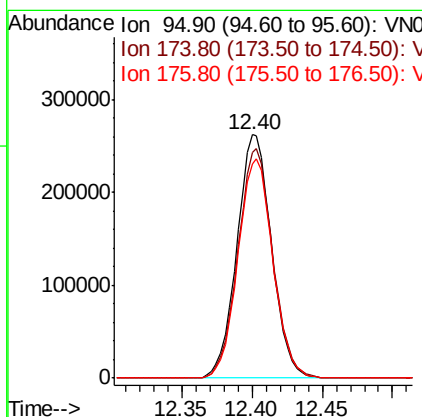
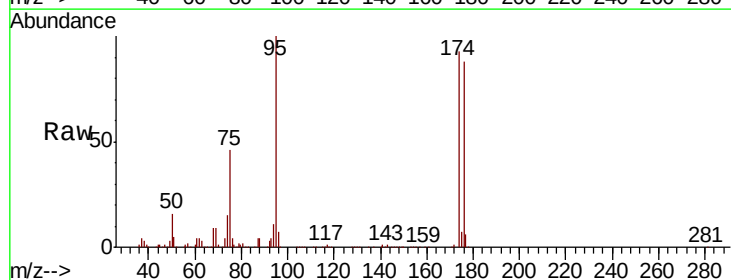
Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#15

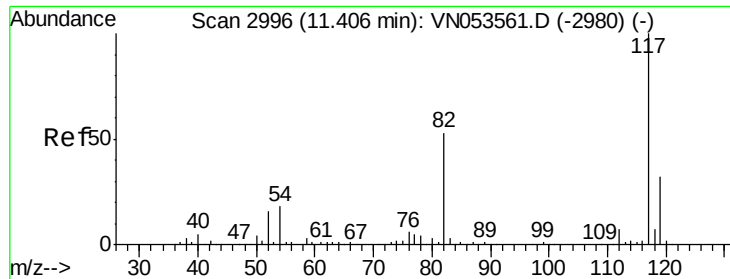
Tgt Ion: 43 Resp: 170366
Ion Ratio Lower Upper
43 100
58 20.6 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 51.935 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion: 95 Resp: 450091
Ion Ratio Lower Upper
95 100
174 94.9 0.0 183.2
176 91.2 0.0 177.4

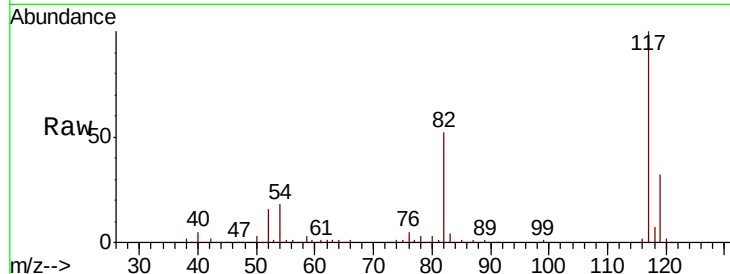




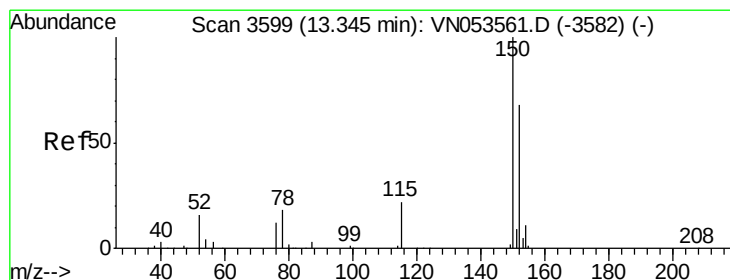
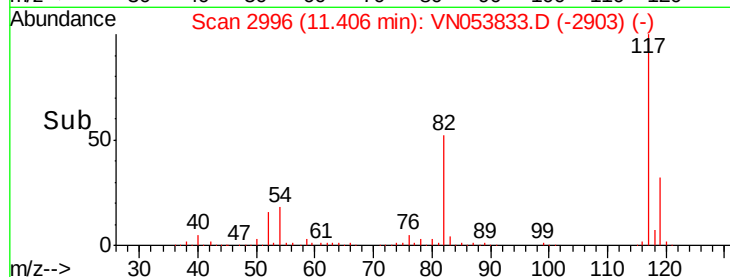
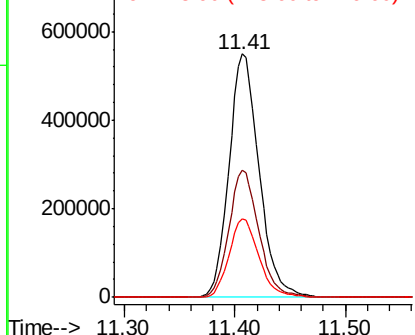
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#15

Tgt Ion:117 Resp: 1039807
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.1 26.0 39.0

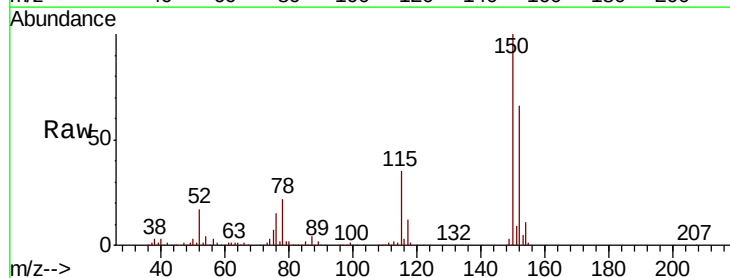


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

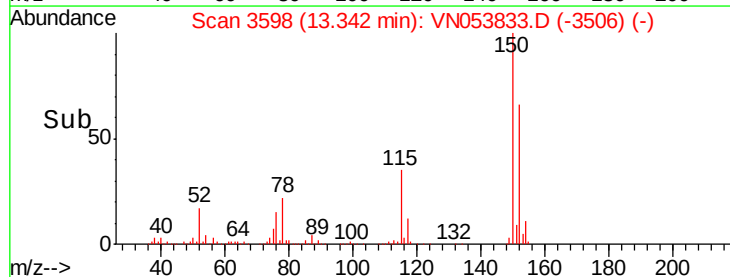
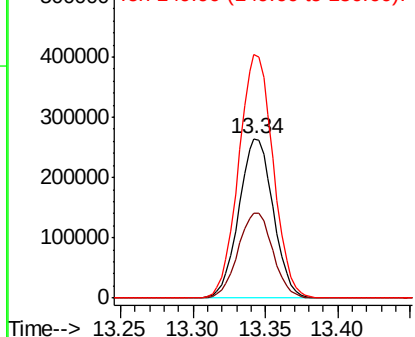


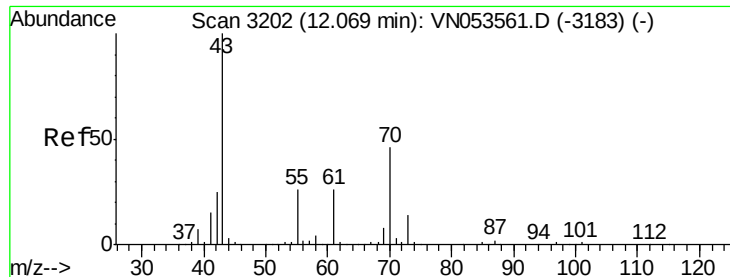
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053833.D
Acq: 18 Feb 2019 10:44

Tgt Ion:152 Resp: 434574
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 153.5 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-amyI acetate

Concen: 2.456 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053833.D

Acq: 18 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#15

Tgt Ion: 43 Resp: 18042

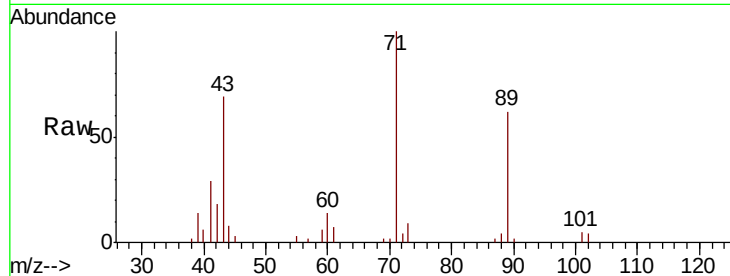
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.2#

55 5.4 20.9 31.3#

61 11.2 20.5 30.7#

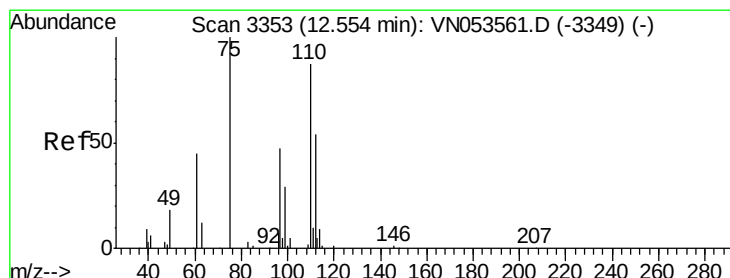
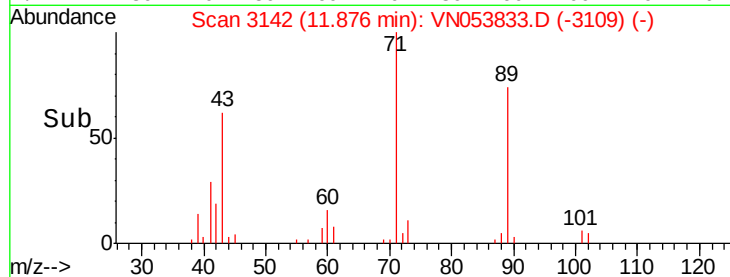
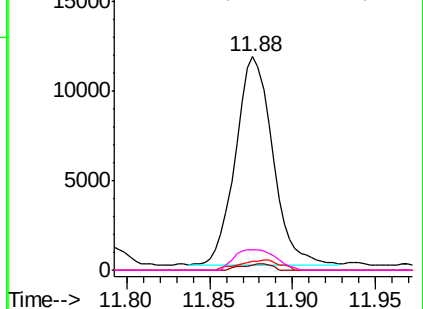


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 37.160 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053833.D

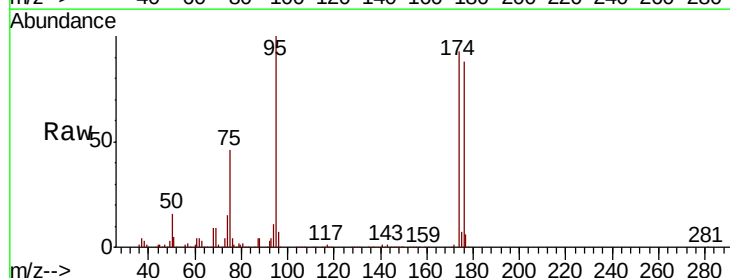
Acq: 18 Feb 2019 10:44

Tgt Ion: 75 Resp: 207419

Ion Ratio Lower Upper

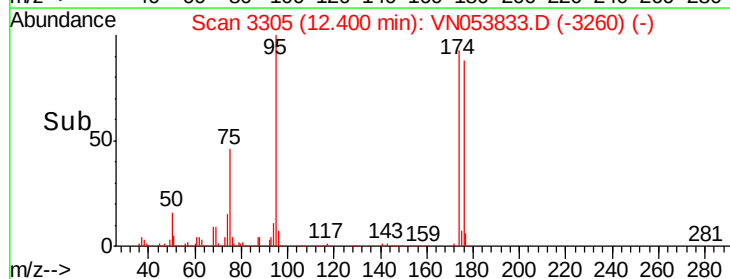
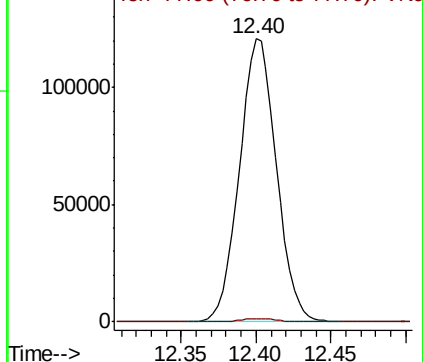
75 100

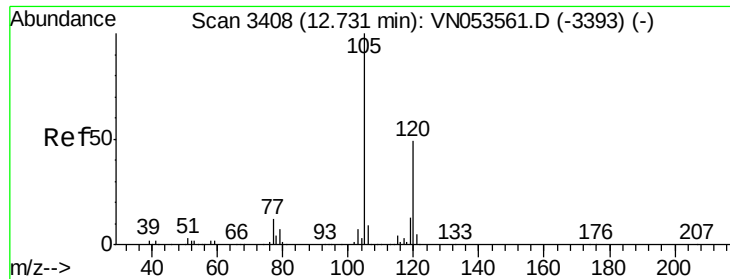
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

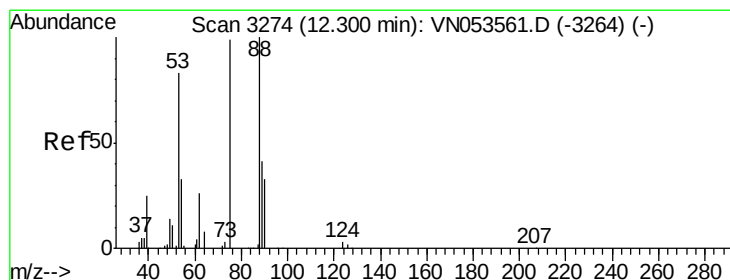
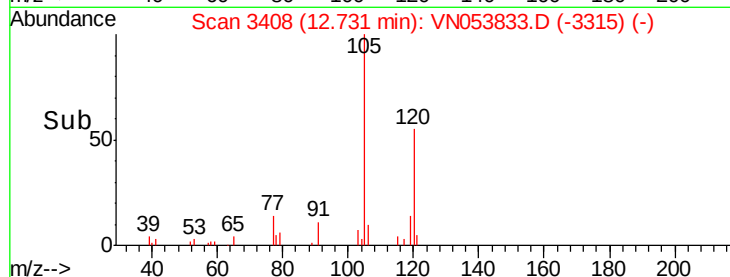
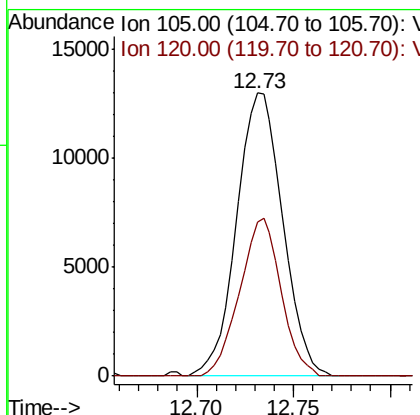
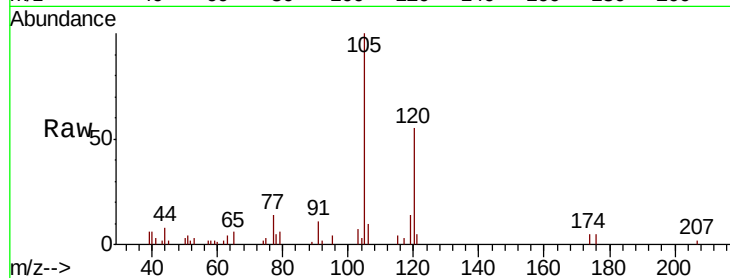




#80
 1,3,5-Trimethylbenzene
 Concen: 0.847 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

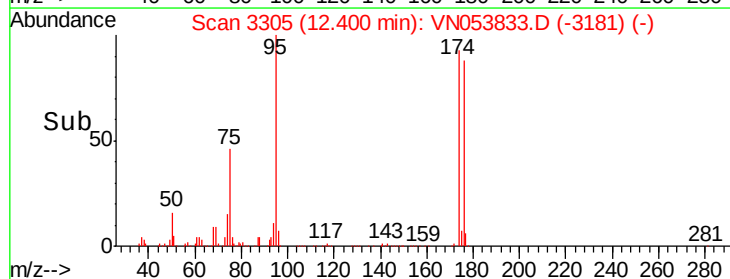
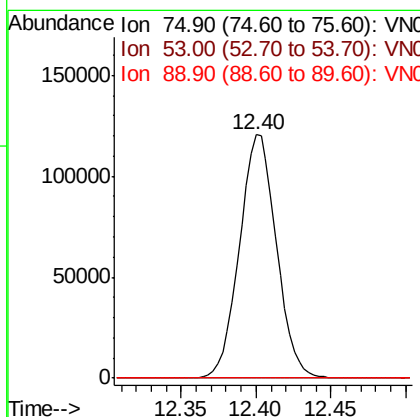
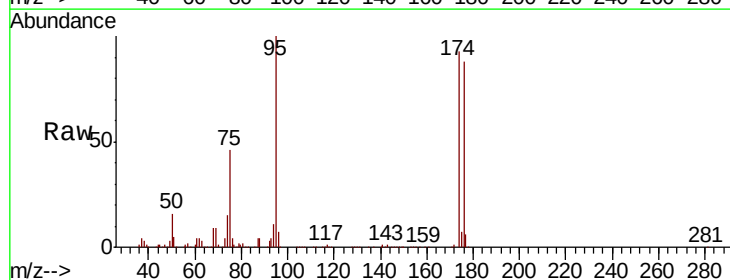
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#15

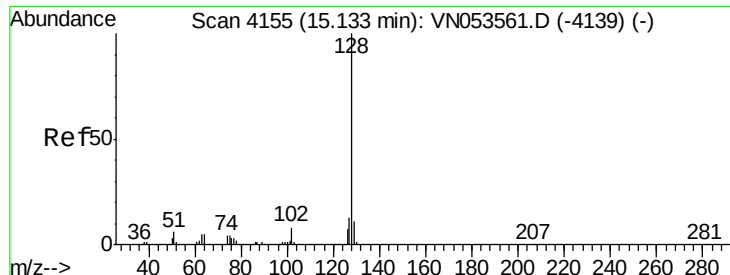
Tgt Ion:105 Resp: 21469
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.490 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053833.D
 Acq: 18 Feb 2019 10:44

Tgt Ion: 75 Resp: 207419
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#





#95

Naphthalene

Concen: 1.760 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053833.D

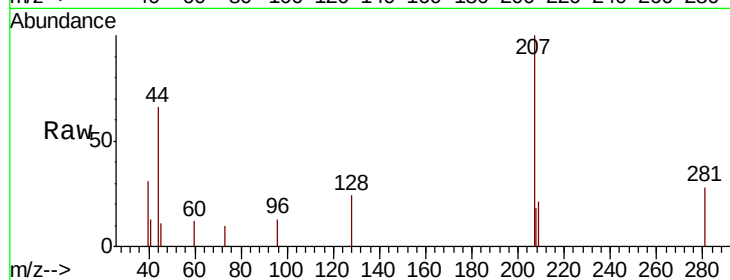
Acq: 18 Feb 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#15



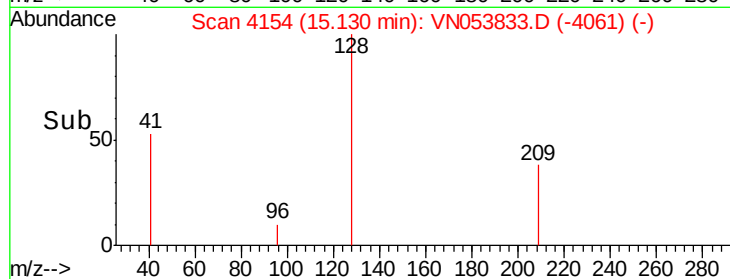
Tgt Ion:128 Resp: 459

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

