

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053262.D
 Acq On : 3 Jan 2019 15:10
 Operator : MD\SY
 Sample : PB116111ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#07

Quant Time: Jan 04 00:54:31 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	1078073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1680886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1549323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	627723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	538059	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	470191	61.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.48%	
50) Toluene-d8	10.09	98	2071924	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	698779	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

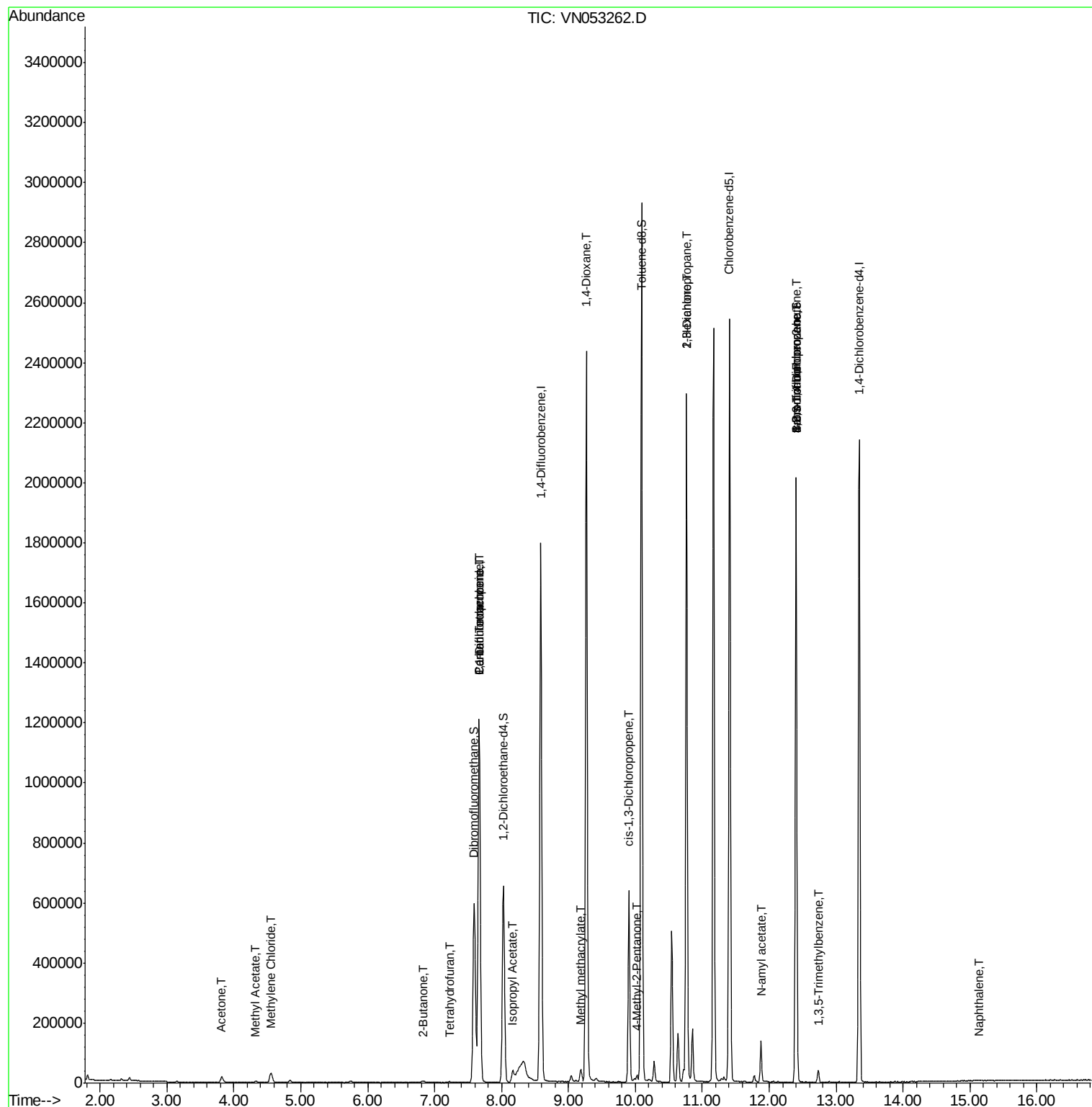
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	33515	15.624	ug/l	95
18) Methyl Acetate	4.32	43	8394	1.837	ug/l #	71
20) Methylene Chloride	4.56	84	24044	2.055	ug/l	94
25) 2-Butanone	6.83	43	1676	0.466	ug/l #	77
29) Tetrahydrofuran	7.22	42	2049	0.762	ug/l #	67
31) Cyclohexane	7.66	56	17706	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	69756	4.324	ug/l #	49
38) Carbon Tetrachloride	7.67	117	91557	6.191	ug/l #	16
43) Isopropyl Acetate	8.17	43	55738	2.199	ug/l #	81
48) Methyl methacrylate	9.18	41	13566	1.552	ug/l #	12
49) 1,4-Dioxane	9.27	88	347	3.139	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	17536	2.011	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	121928	6.526	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	24611	1.383	ug/l #	42
59) 2-Hexanone	10.76	43	324238	54.944	ug/l #	50
71) Bromoform	12.40	173	4270	0.495	ug/l #	1
74) N-amyl acetate	11.88	43	40078	2.939	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	327543	30.997	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	20947	0.523	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	327543	99.906	ug/l #	12
95) Naphthalene	15.14	128	146	1.152	ug/l #	69

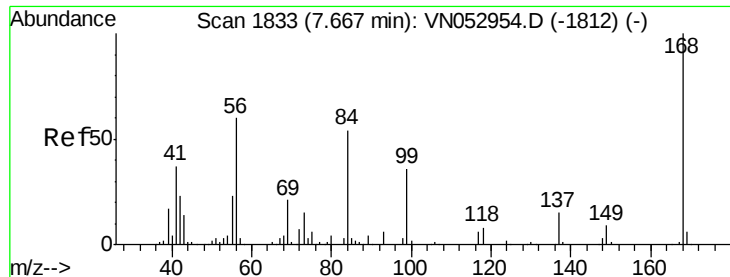
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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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: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

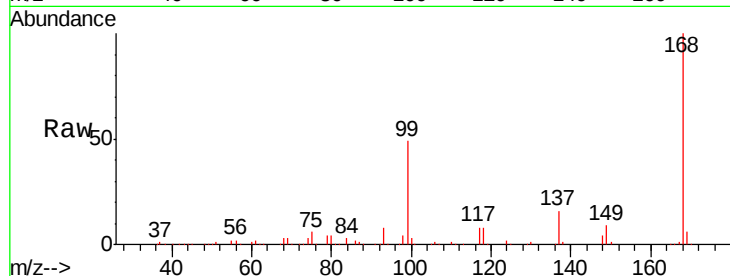
PB116111ZHE#07

Tgt Ion:168 Resp: 1078073

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053262.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053262.D (-1740) (-)

7.67

500000

400000

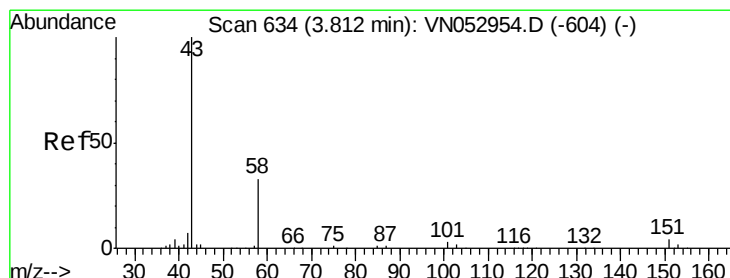
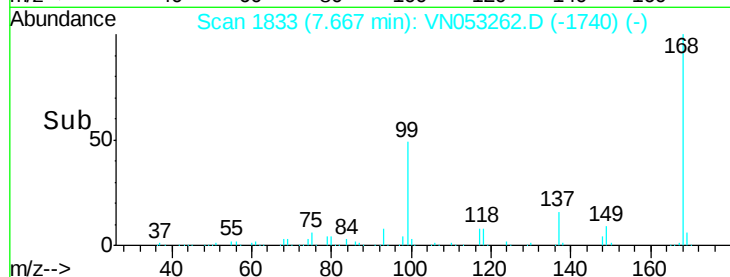
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 15.624 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053262.D

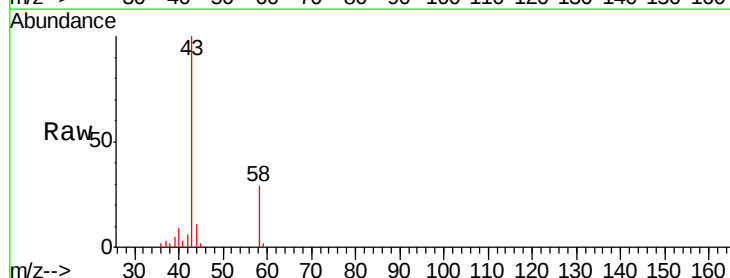
Acq: 3 Jan 2019 15:10

Tgt Ion: 43 Resp: 33515

Ion Ratio Lower Upper

43 100

58 29.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053262.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053262.D (-541) (-)

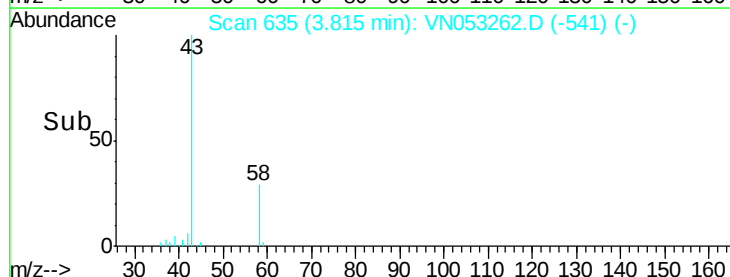
3.82

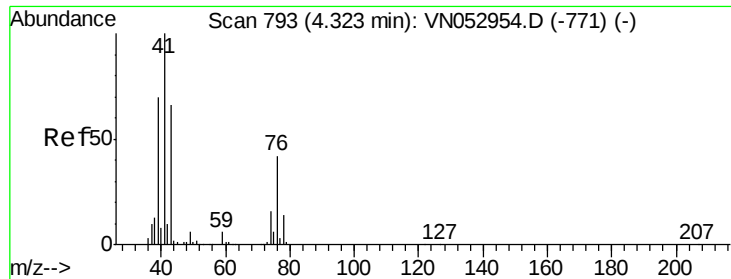
10000

5000

0

Time-->

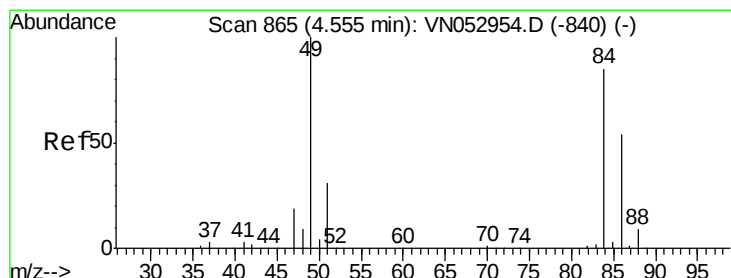
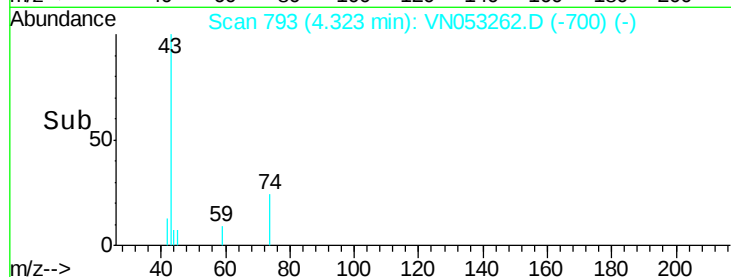
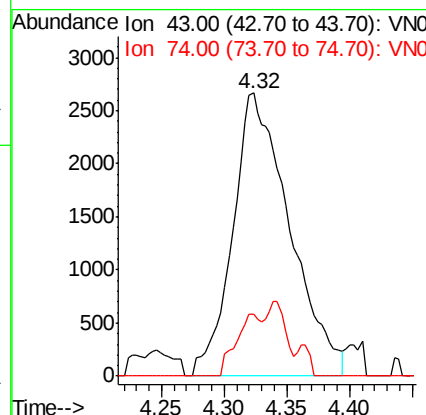
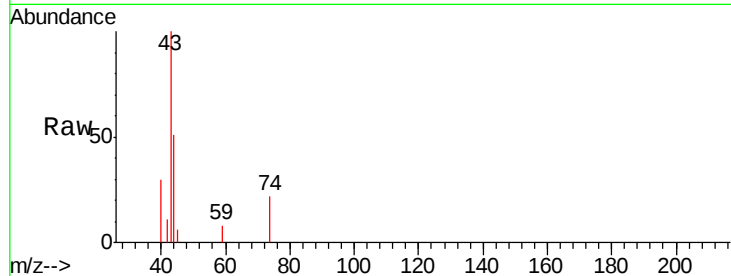




#18
Methyl Acetate
Concen: 1.837 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

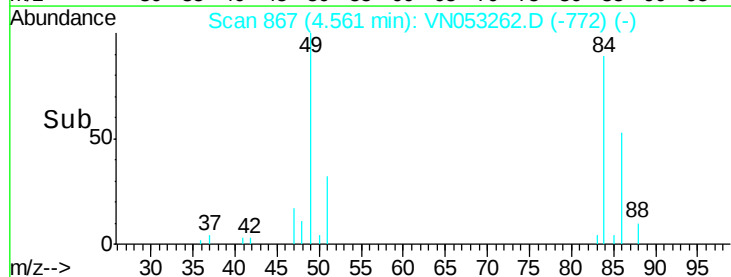
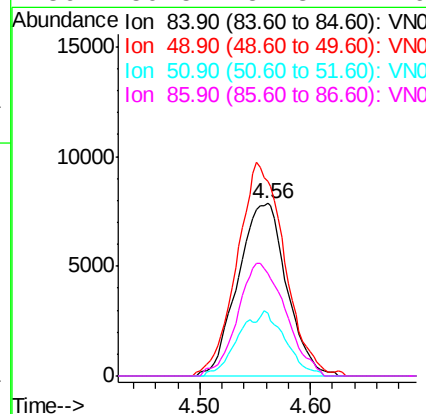
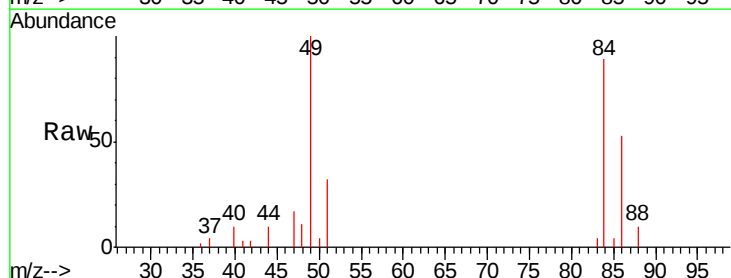
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#07

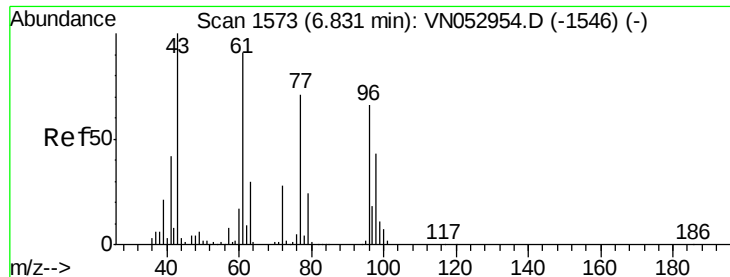
Tgt Ion: 43 Resp: 8394
Ion Ratio Lower Upper
43 100
74 9.6 19.2 28.8#



#20
Methylene Chloride
Concen: 2.055 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

Tgt Ion: 84 Resp: 24044
Ion Ratio Lower Upper
84 100
49 113.0 96.8 145.2
51 36.5 29.9 44.9
86 59.5 51.8 77.6





#25

2-Butanone

Concen: 0.466 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

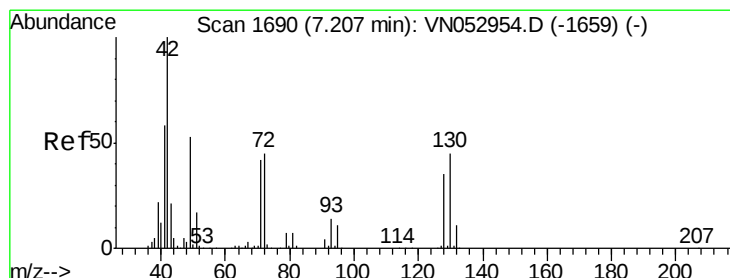
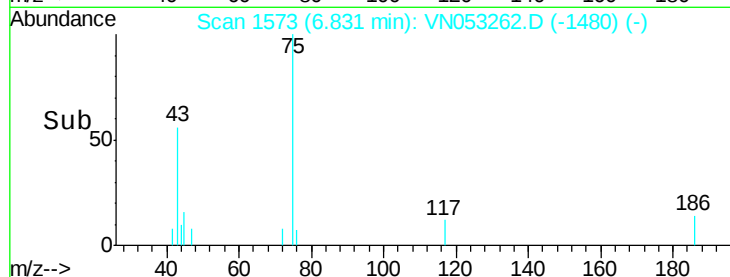
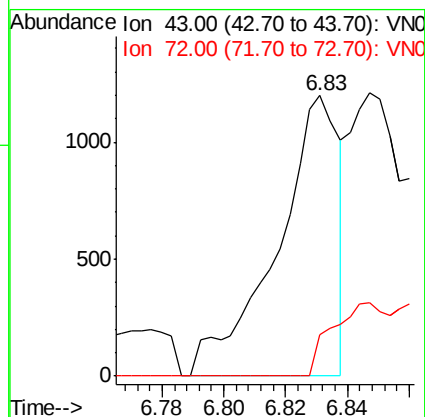
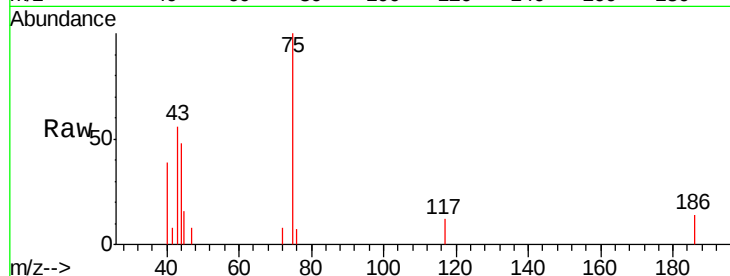
PB116111ZHE#07

Tgt Ion: 43 Resp: 1676

Ion Ratio Lower Upper

43 100

72 14.6 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.762 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

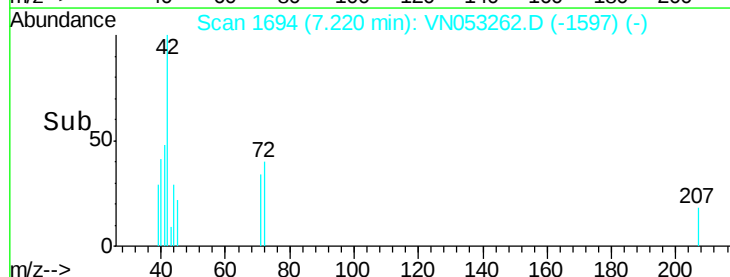
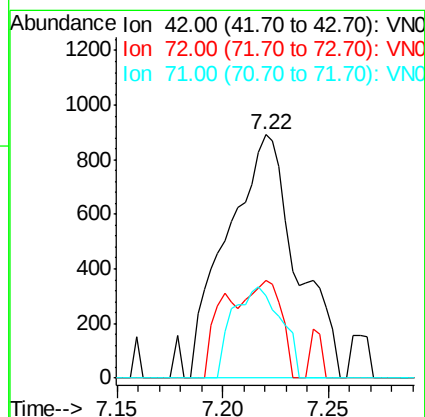
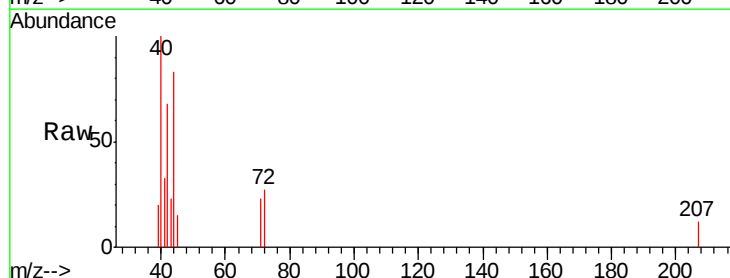
Tgt Ion: 42 Resp: 2049

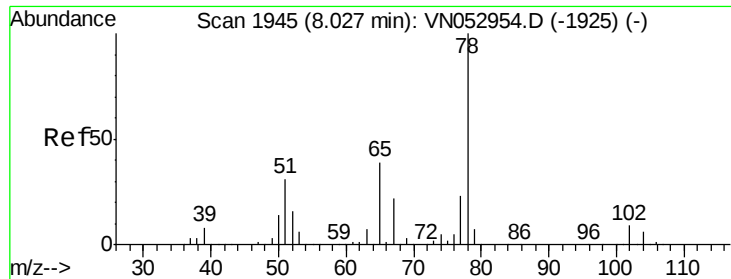
Ion Ratio Lower Upper

42 100

72 17.0 34.7 52.1#

71 25.9 32.3 48.5#

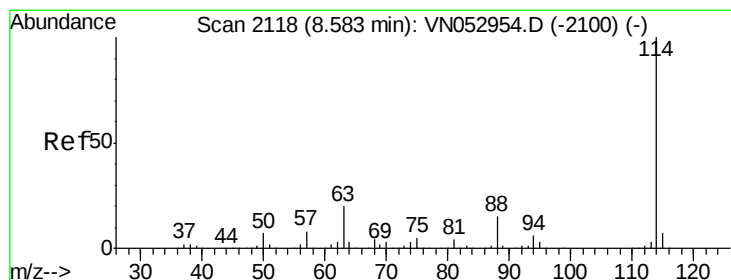
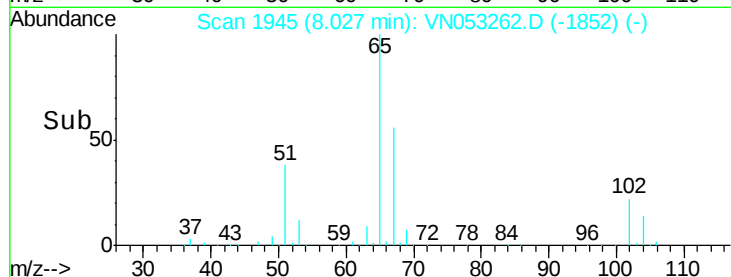
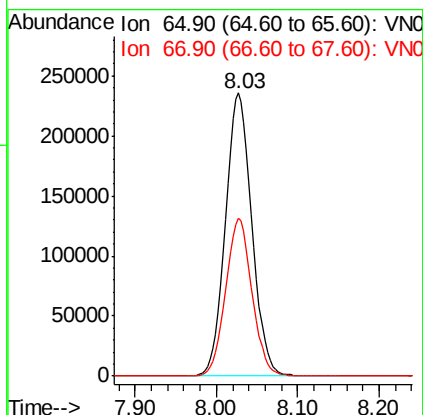
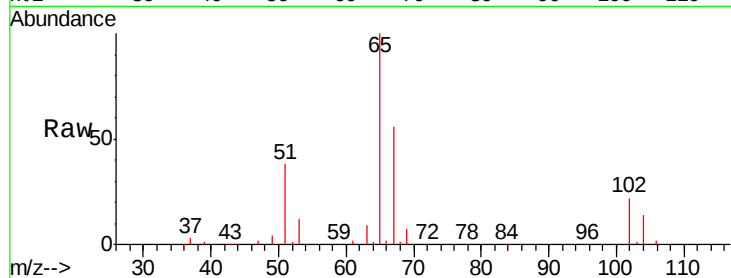




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053262.D
 Acq: 3 Jan 2019 15:10

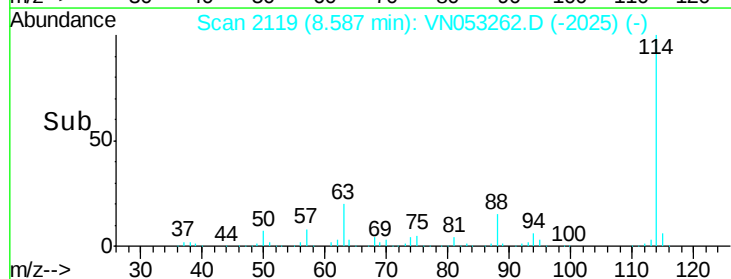
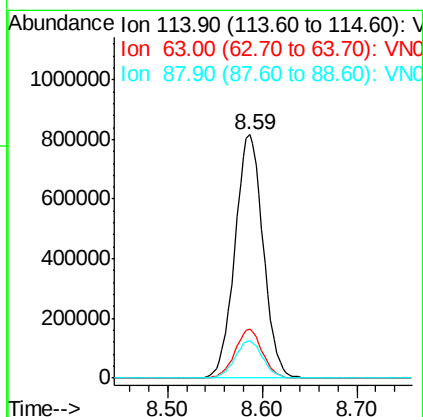
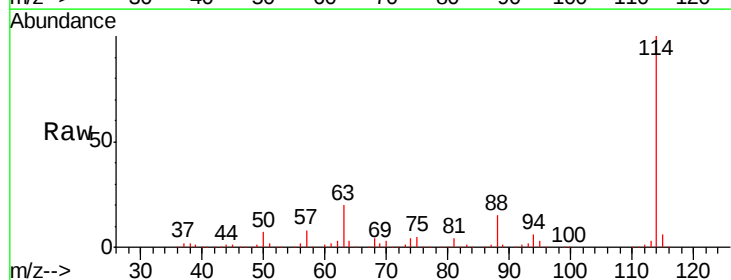
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#07

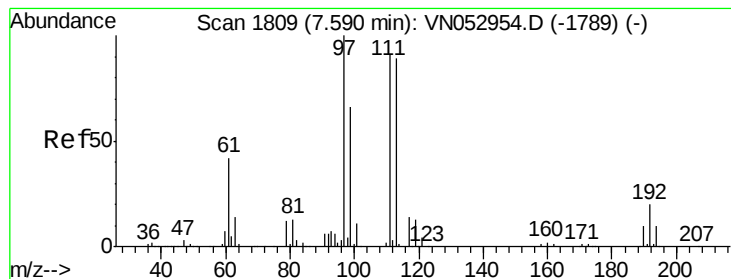
Tgt Ion: 65 Resp: 538059
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053262.D
 Acq: 3 Jan 2019 15:10

Tgt Ion: 114 Resp: 1680886
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.2 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: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#07

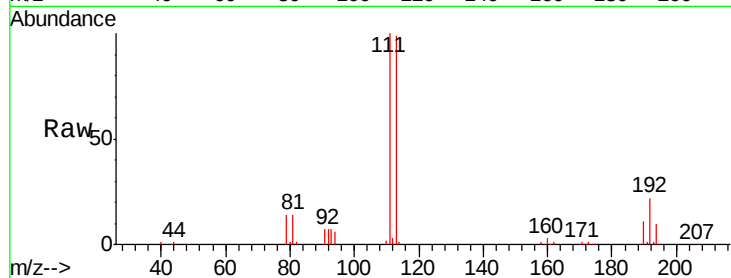
Tgt Ion:113 Resp: 470191

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

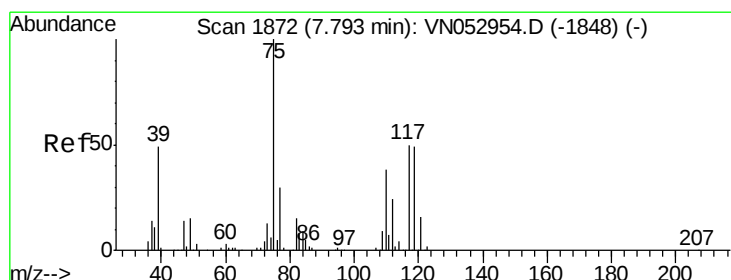
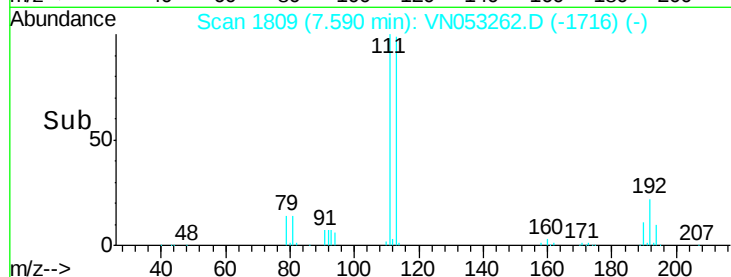
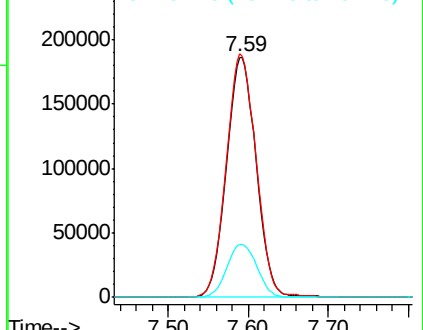
192 22.5 17.5 26.3



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: 4.324 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

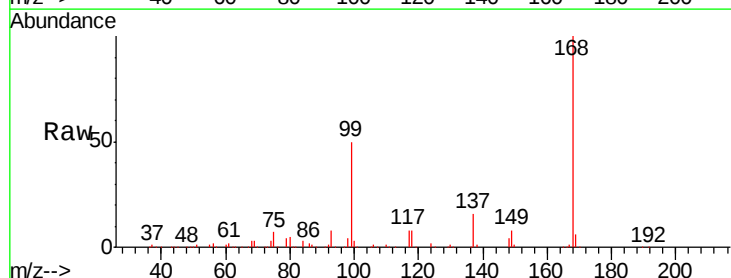
Tgt Ion: 75 Resp: 69756

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

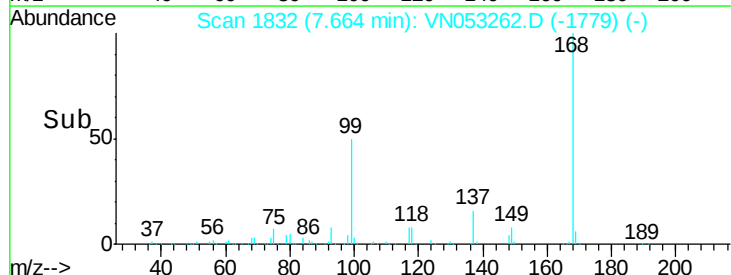
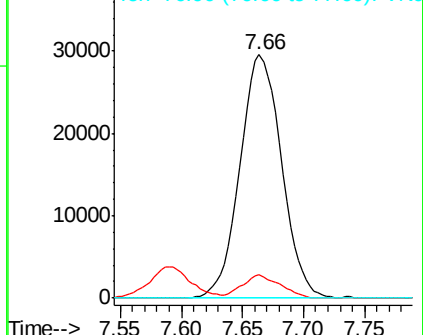
77 0.0 24.9 37.3#

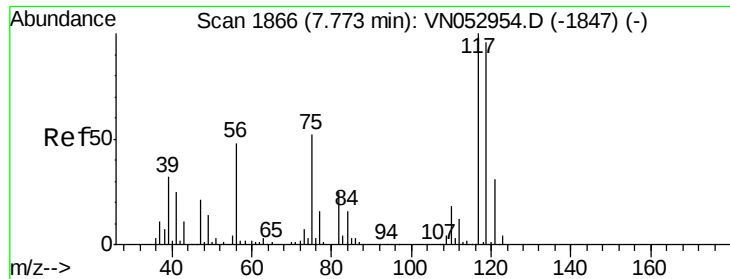


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

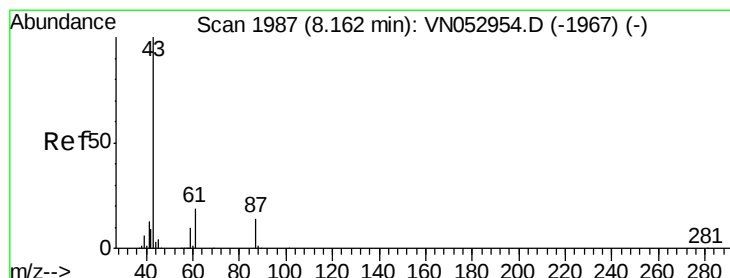
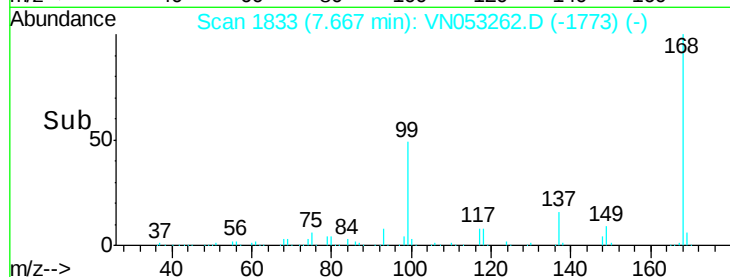
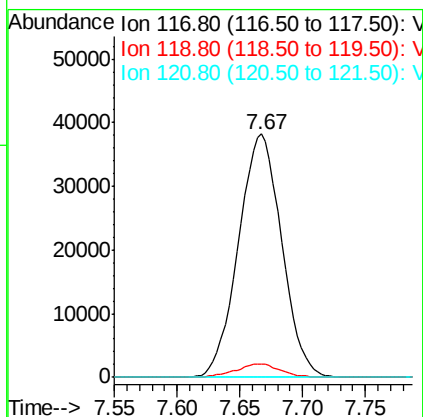
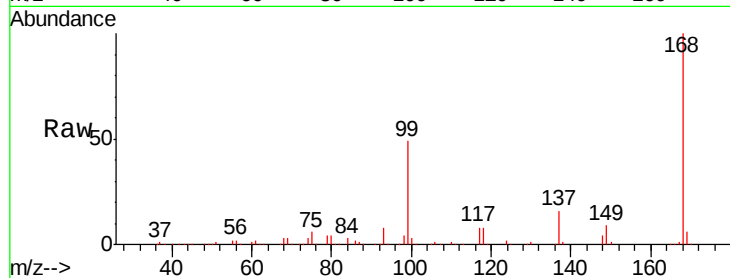




#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

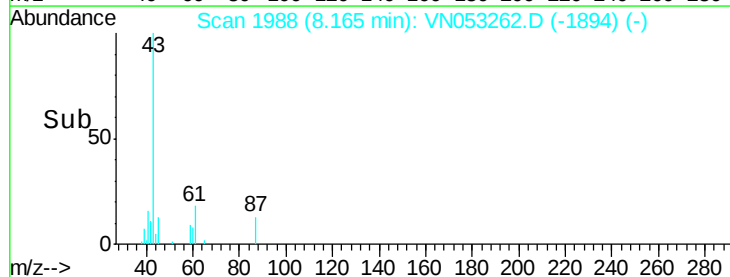
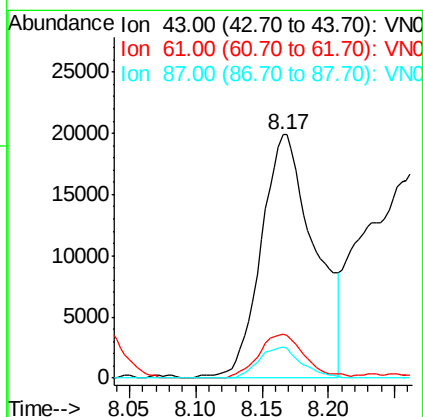
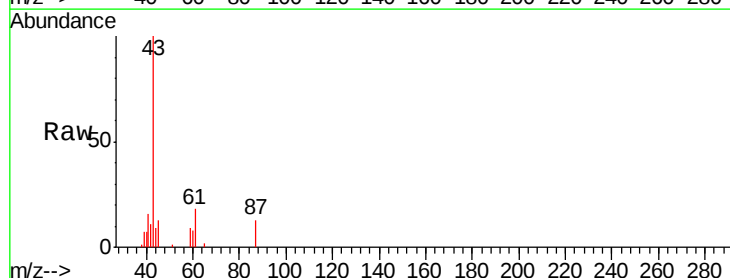
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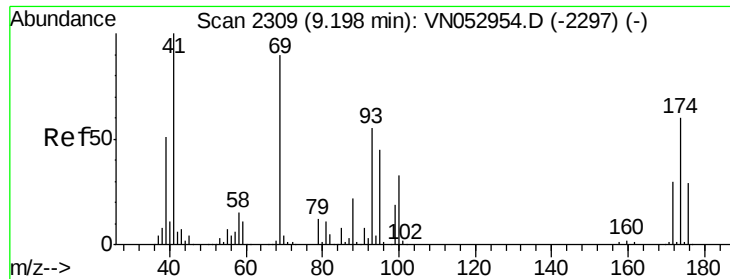
Tgt Ion: 117 Resp: 91557
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.199 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

Tgt Ion: 43 Resp: 55738
Ion Ratio Lower Upper
43 100
61 15.6 22.9 34.3#
87 10.1 10.6 15.8#

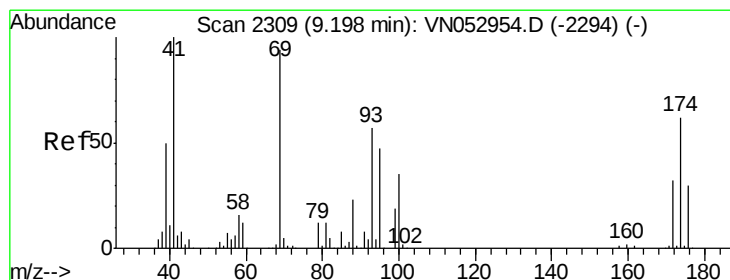
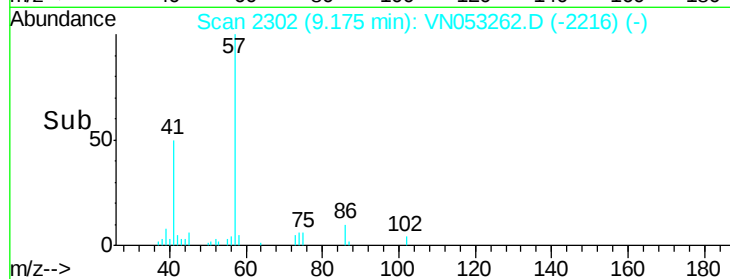
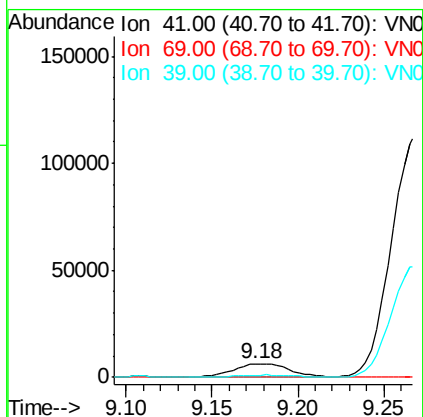
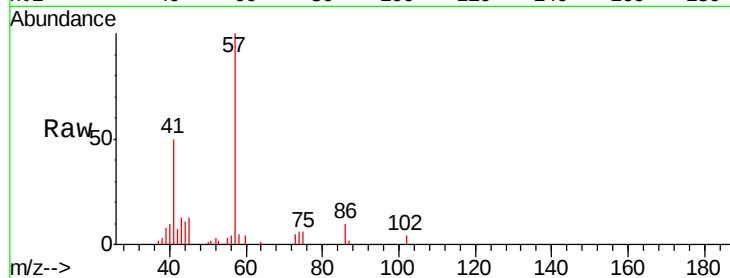




#48
Methyl methacrylate
Concen: 1.552 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

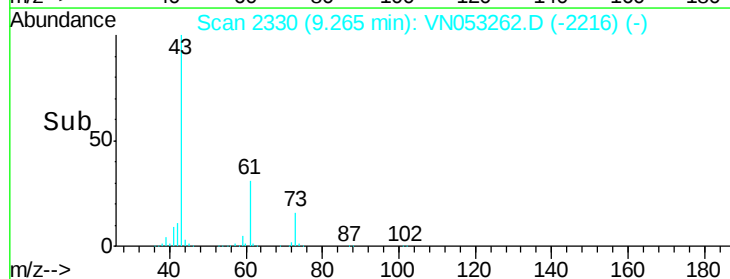
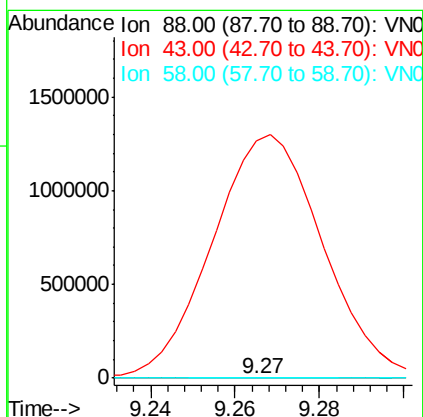
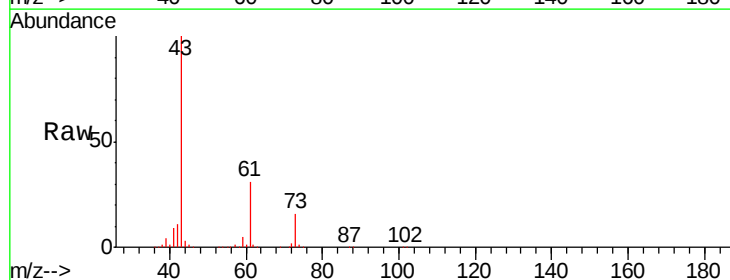
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#07

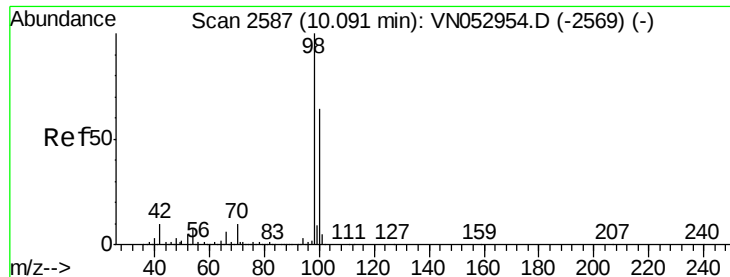
Tgt Ion: 41 Resp: 13566
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 3.139 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

Tgt Ion: 88 Resp: 347
Ion Ratio Lower Upper
88 100
43 691638.3 26.6 40.0#
58 3097.4 58.4 87.6#





#50

Toluene-d8

Concen: 3.139 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

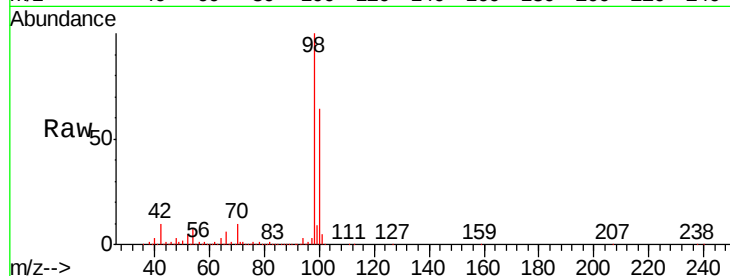
PB116111ZHE#07

Tgt Ion: 98 Resp: 2071924

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053262.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053262.D (-2494) (-)

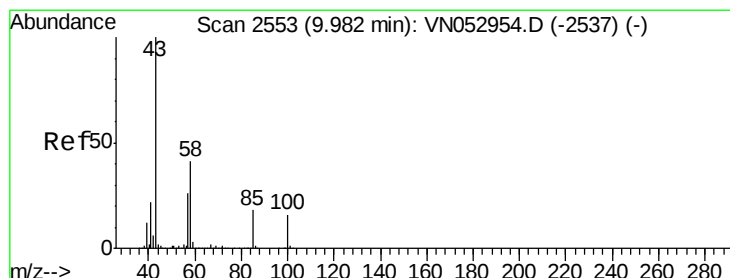
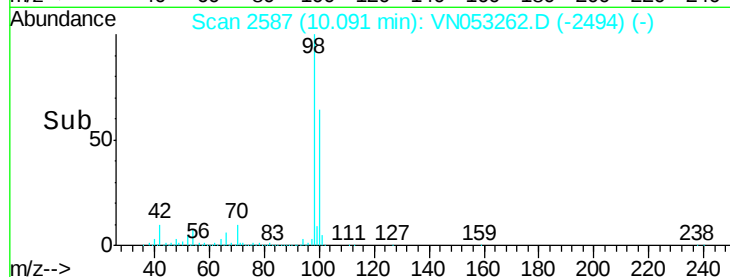
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.011 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053262.D

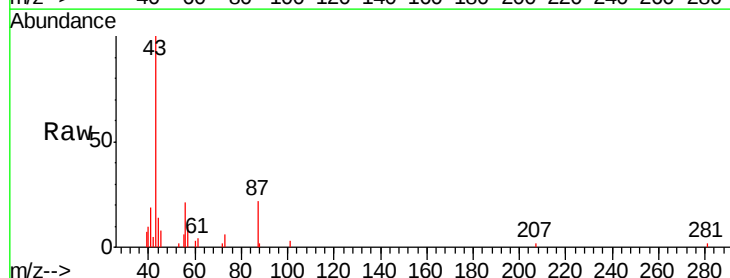
Acq: 3 Jan 2019 15:10

Tgt Ion: 43 Resp: 17536

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053262.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053262.D (-2460) (-)

10.02

12000

10000

8000

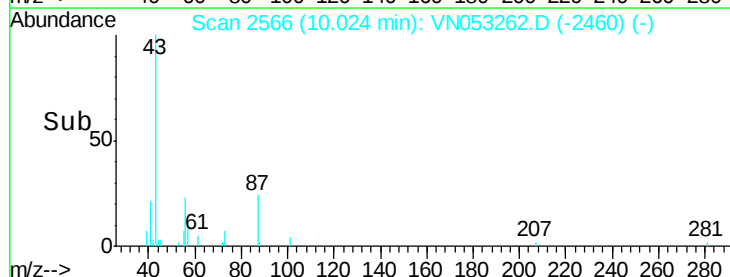
6000

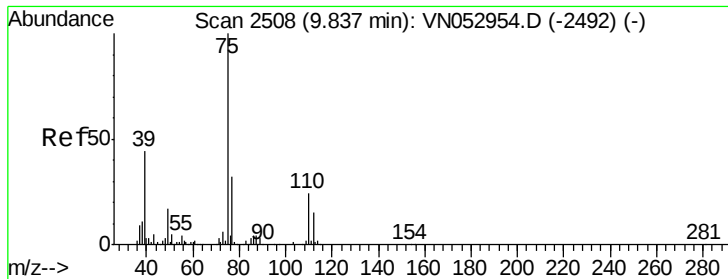
4000

2000

0

Time-->



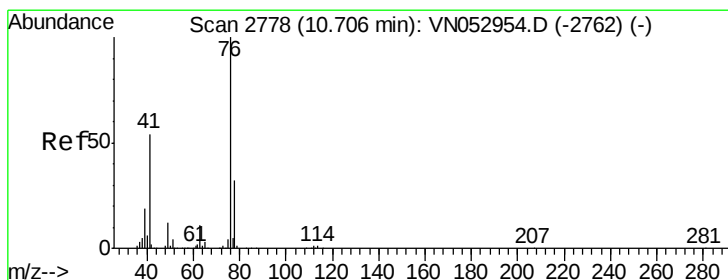
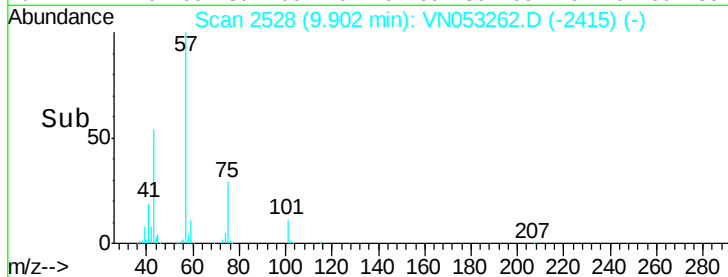
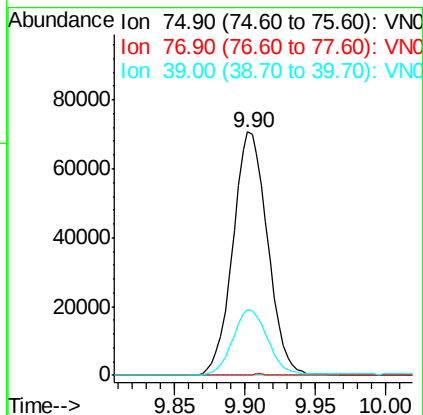
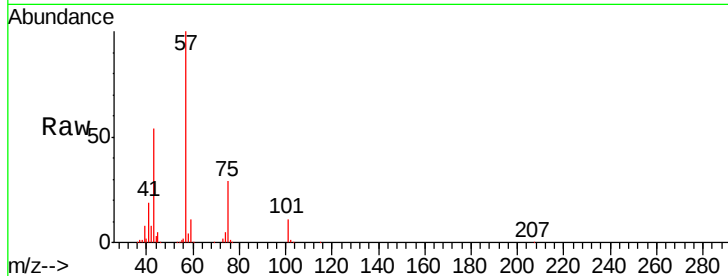


#54

cis-1,3-Dichloropropene
 Concen: 6.526 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.06 min
 Lab File: VN053262.D
 Acq: 3 Jan 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#07

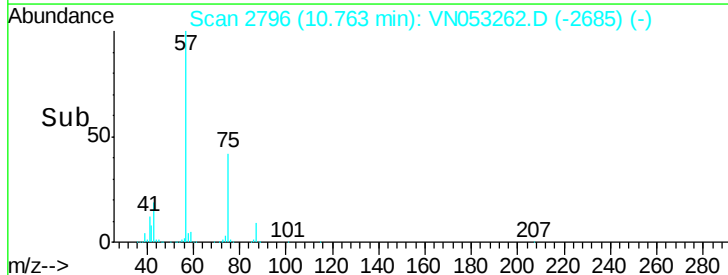
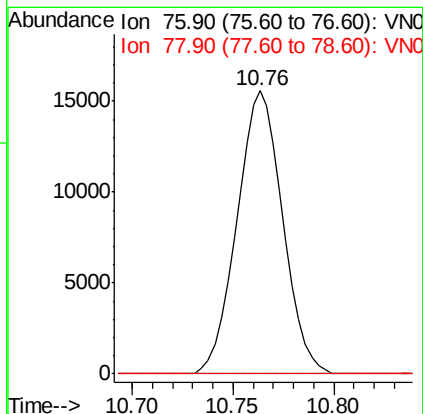
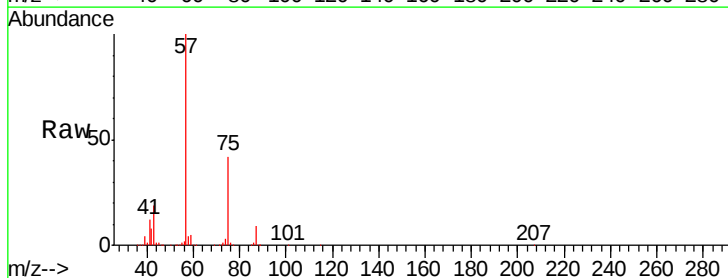
Tgt Ion: 75 Resp: 121928
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.8#
 39 27.1 34.8 52.2#

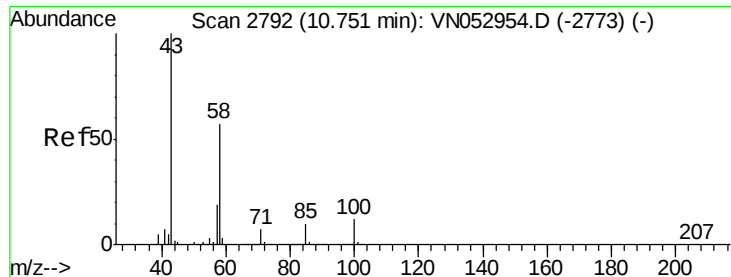


#57

1,3-Dichloropropane
 Concen: 1.383 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053262.D
 Acq: 3 Jan 2019 15:10

Tgt Ion: 76 Resp: 24611
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

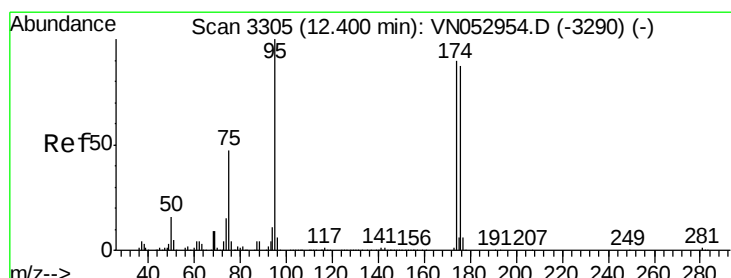
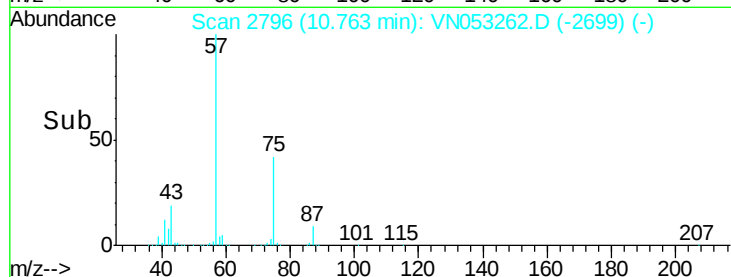
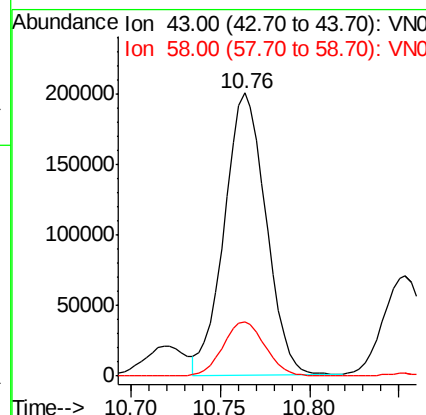
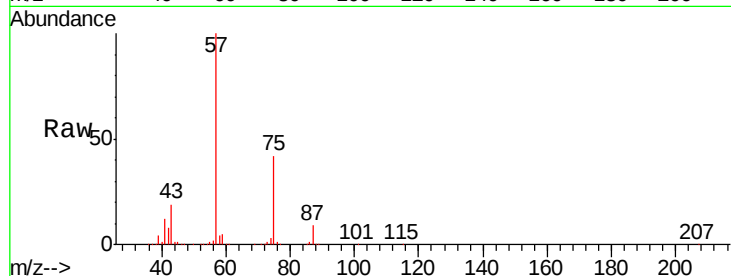




#59
2-Hexanone
Concen: 54.944 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

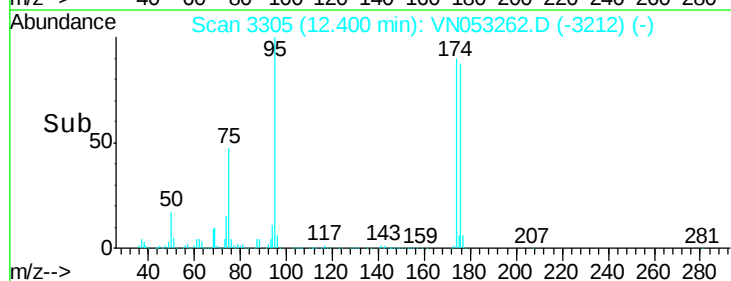
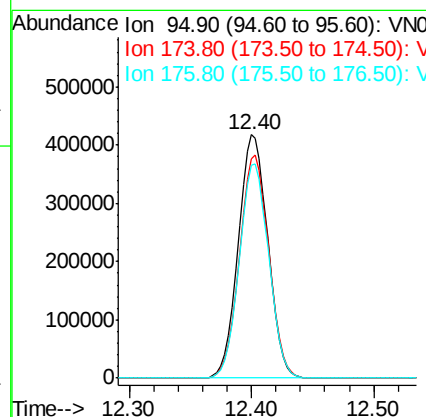
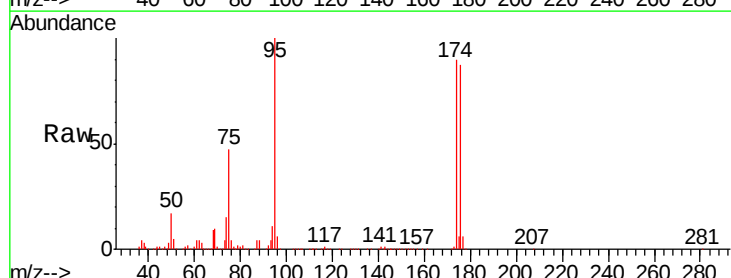
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#07

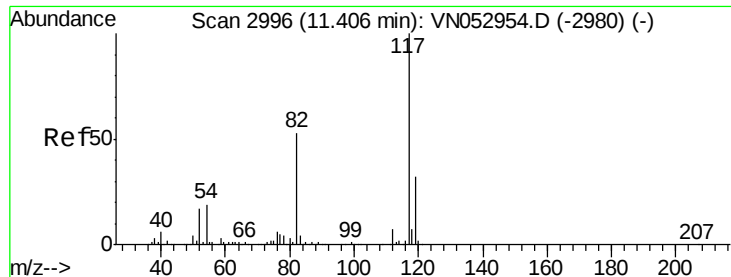
Tgt Ion: 43 Resp: 324238
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

Tgt Ion: 95 Resp: 698779
Ion Ratio Lower Upper
95 100
174 90.8 0.0 178.8
176 87.6 0.0 173.8

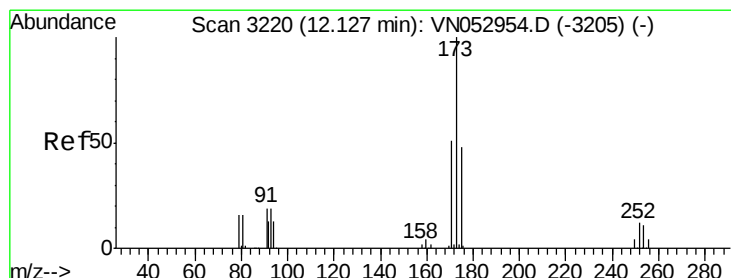
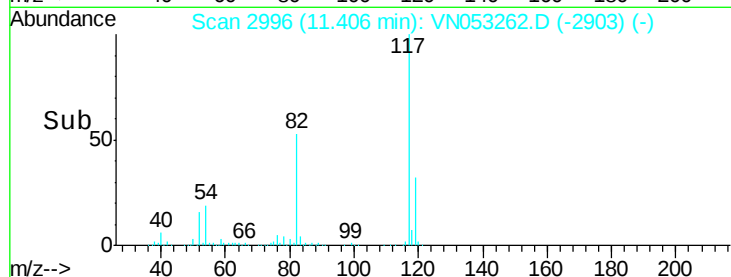
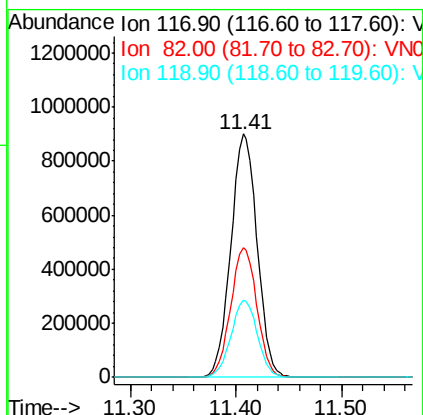
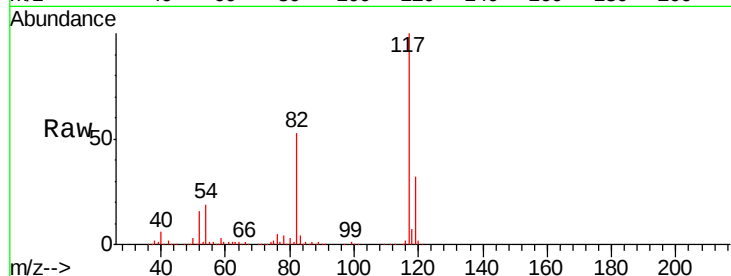




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

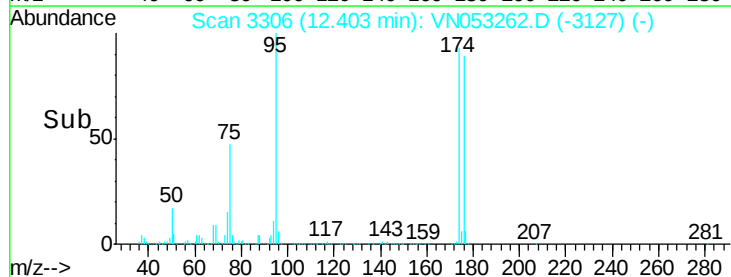
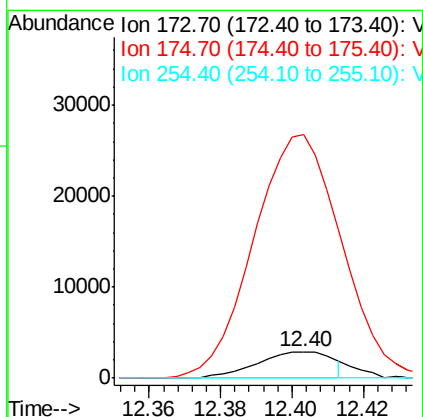
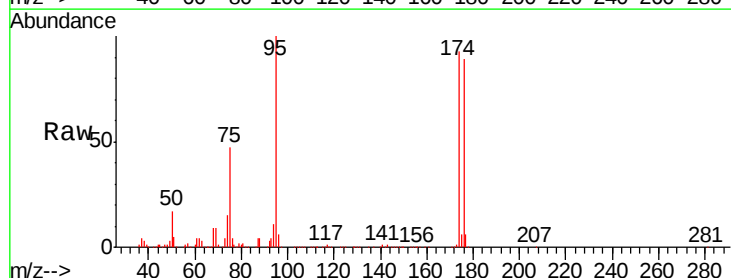
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#07

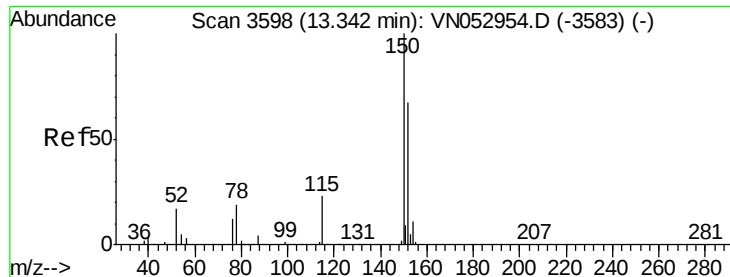
Tgt Ion:117 Resp: 1549323
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.495 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053262.D
Acq: 3 Jan 2019 15:10

Tgt Ion:173 Resp: 4270
Ion Ratio Lower Upper
173 100
175 930.9 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#07

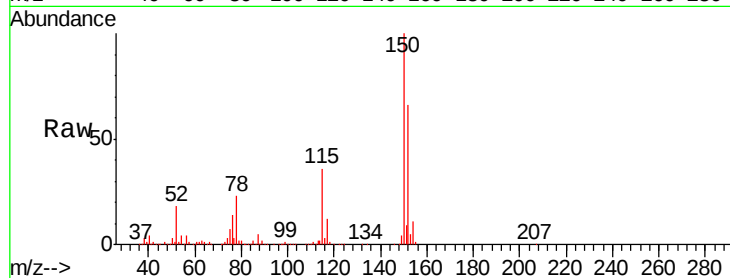
Tgt Ion:152 Resp: 627723

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

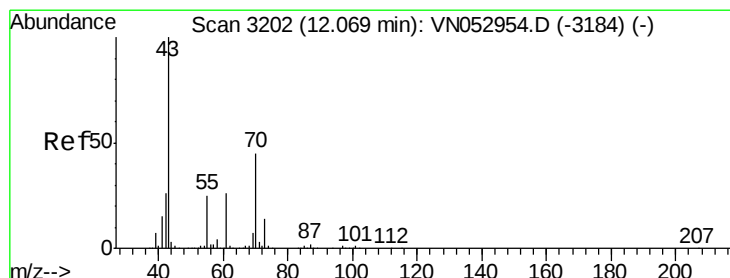
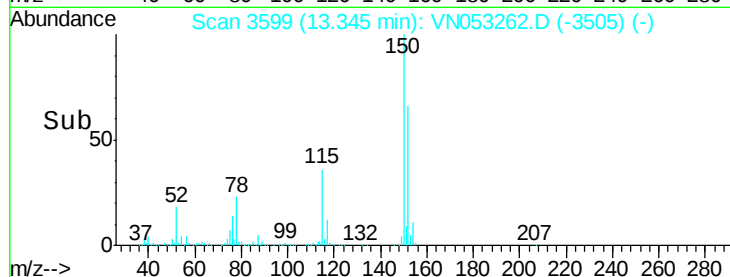
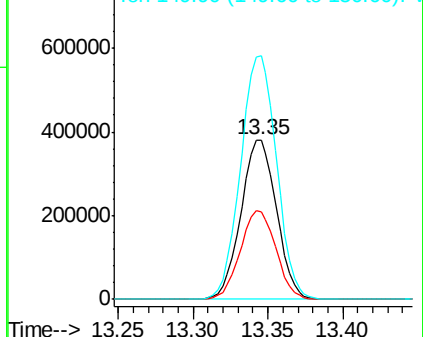
150 155.2 0.0 347.8



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: 2.939 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Tgt Ion: 43 Resp: 40078

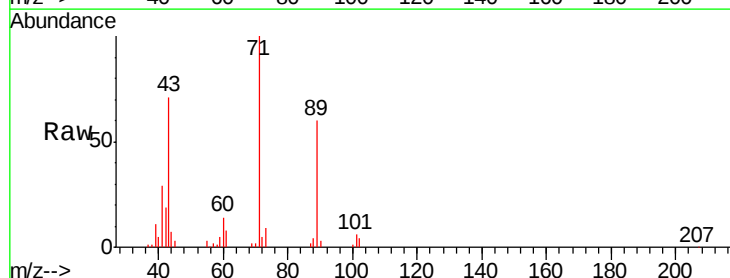
Ion Ratio Lower Upper

43 100

70 2.2 34.2 51.4#

55 4.8 20.3 30.5#

61 11.1 20.0 30.0#

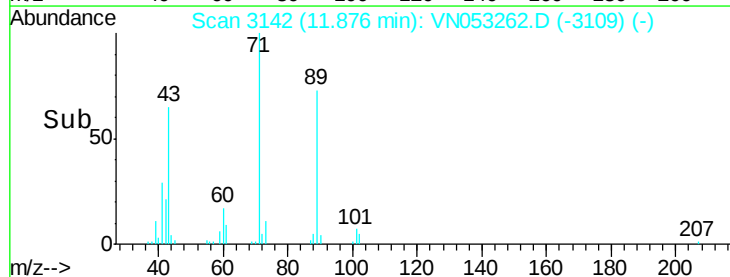
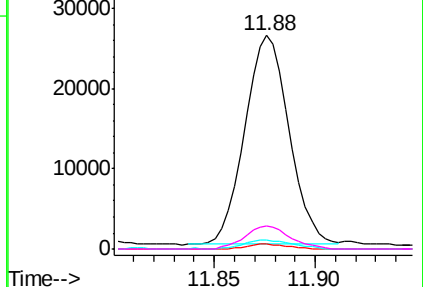


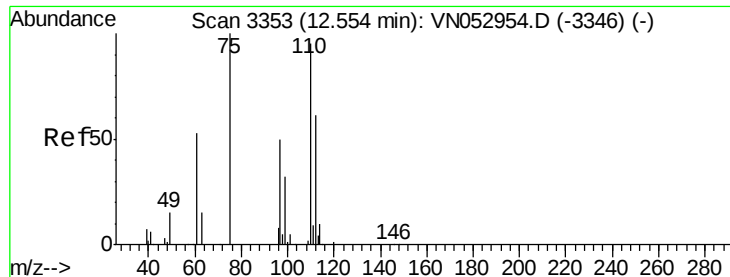
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.997 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

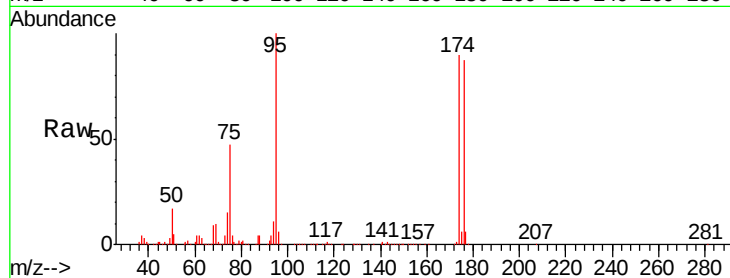
PB116111ZHE#07

Tgt Ion: 75 Resp: 327543

Ion Ratio Lower Upper

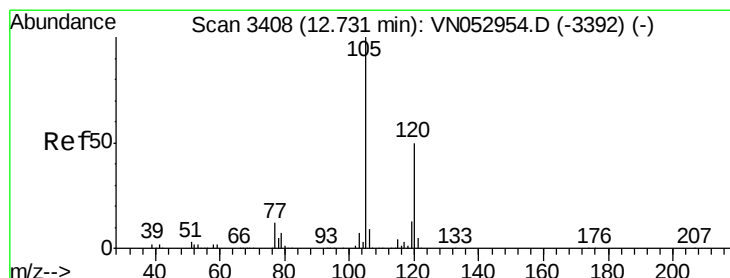
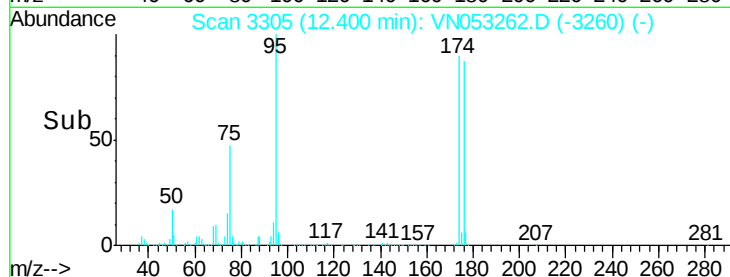
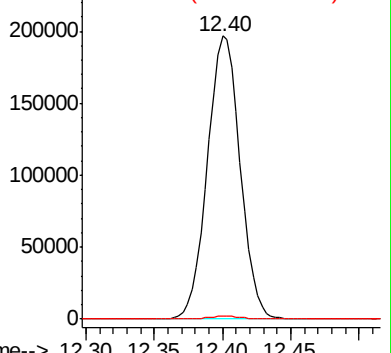
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.523 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053262.D

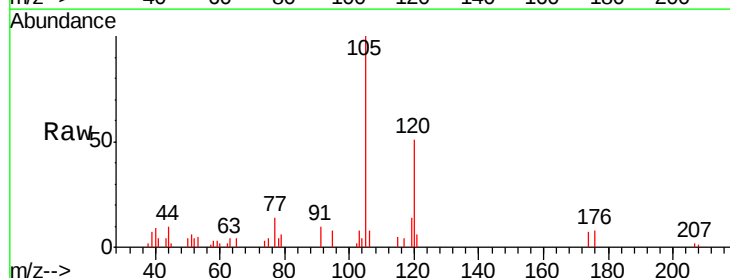
Acq: 3 Jan 2019 15:10

Tgt Ion: 105 Resp: 20947

Ion Ratio Lower Upper

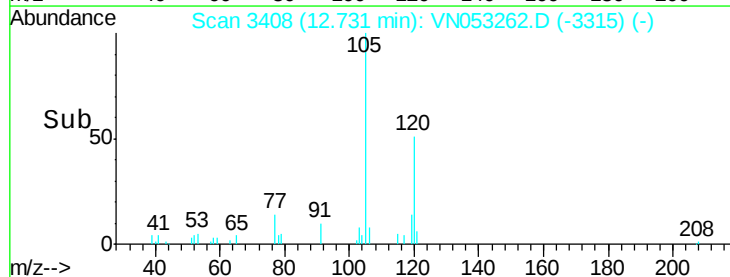
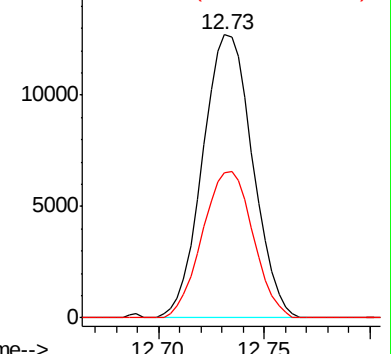
105 100

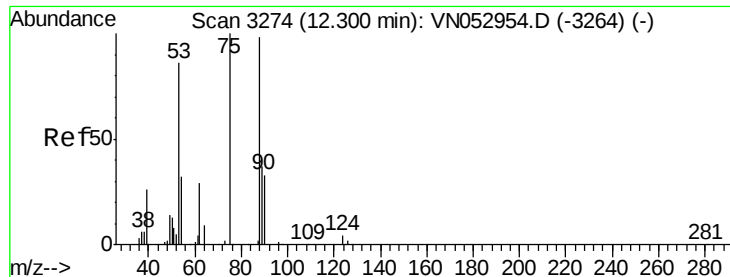
120 52.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#07

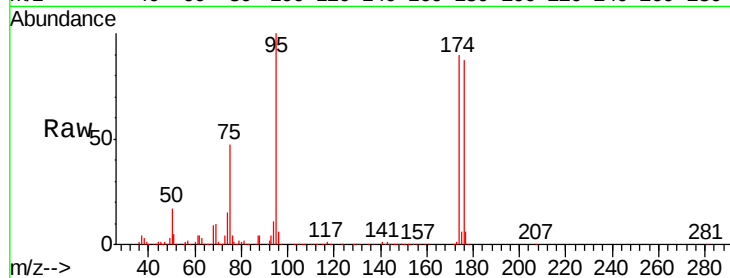
Tgt Ion: 75 Resp: 327543

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

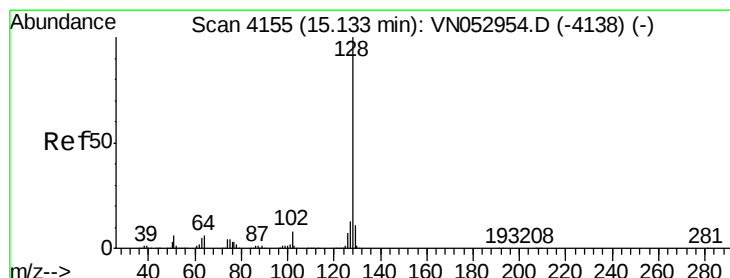
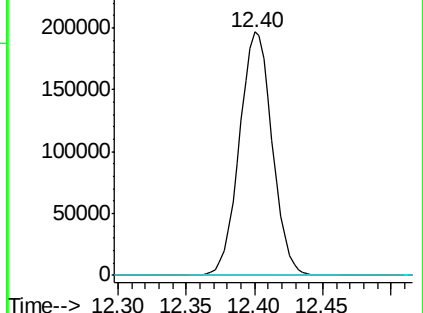
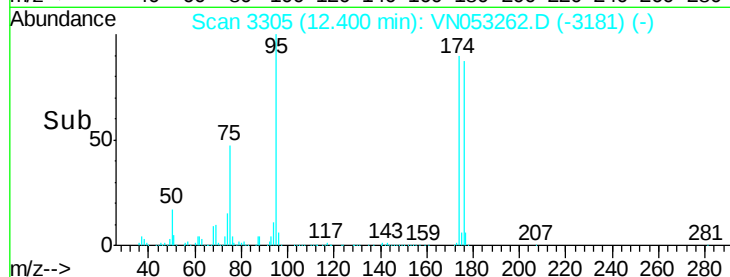
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053262.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053262.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053262.D (-3181) (-)



#95

Naphthalene

Concen: 1.152 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053262.D

Acq: 3 Jan 2019 15:10

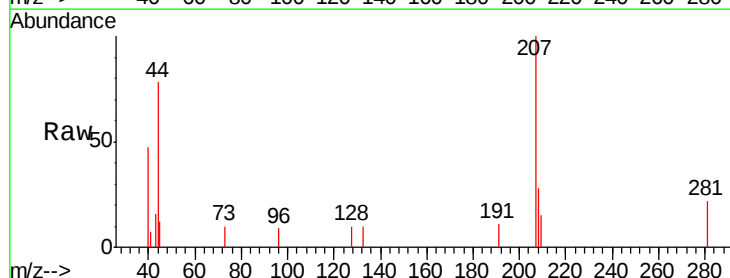
Tgt Ion: 128 Resp: 146

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN053262.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN053262.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN053262.D (-4062) (-)

