

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051726.D
 Acq On : 8 Oct 2018 11:16
 Operator : MD\SY
 Sample : PB113584ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113584ZHE#01

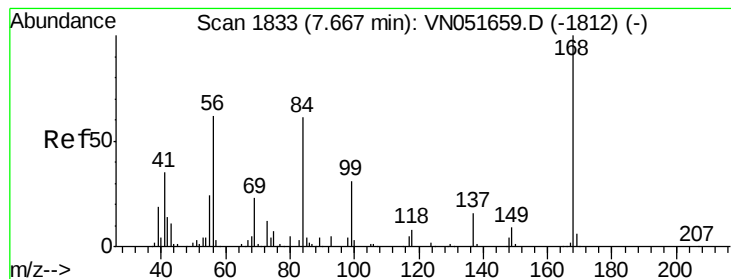
Quant Time: Oct 09 03:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1027352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321992	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	422687	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
35) Dibromofluoromethane	7.59	113	386405	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	1439170	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.40	95	395643	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.13	85	120	1.162	ug/l #	42
5) Bromomethane	2.57	94	2044	0.206	ug/l	86
7) Trichlorofluoromethane	2.96	101	64	Below Cal	#	21
13) Acrolein	3.61	56	96	0.239	ug/l #	1
16) Acetone	3.83	43	10931	Below Cal	#	89
18) Methyl Acetate	4.33	43	5471	1.047	ug/l	92
20) Methylene Chloride	4.56	84	3554	0.456	ug/l #	75
29) Tetrahydrofuran	7.21	42	910	0.542	ug/l #	49
31) Cyclohexane	7.67	56	14396	1.120	ug/l #	49
36) 1,1-Dichloropropene	7.67	75	46914	4.369	ug/l #	49
38) Carbon Tetrachloride	7.67	117	64491	5.005	ug/l #	16
41) Methacrylonitrile	7.19	41	528	Below Cal	#	13
43) Isopropyl Acetate	8.17	43	288564	24.713	ug/l	98
48) Methyl methacrylate	9.19	41	6489	1.216	ug/l #	7
51) 4-Methyl-2-Pentanone	9.99	43	1657	0.280	ug/l #	71
59) 2-Hexanone	10.77	43	19743	4.913	ug/l #	49
71) Bromoform	12.40	173	3318	0.515	ug/l #	1
74) N-amyl acetate	12.07	43	639	Below Cal	#	51
75) 1,1,2,2-Tetrachloroethane	12.40	83	439	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	213694	53.717	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6332	0.274	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	213694	121.994	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

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MSVOA_N

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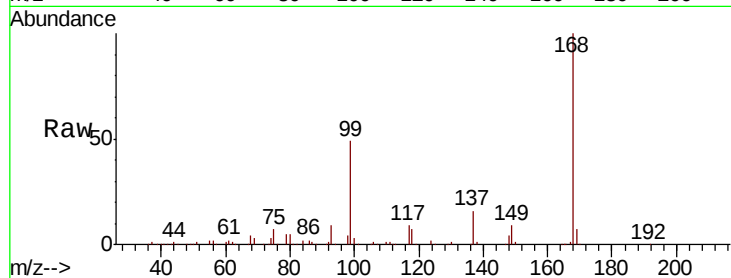
PB113584ZHE#01

Tot Ion:168 Resp: 716823

Ion Ratio Lower Upper

168 100

99 48.8 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

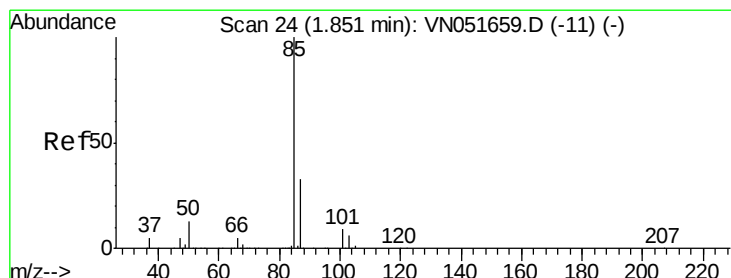
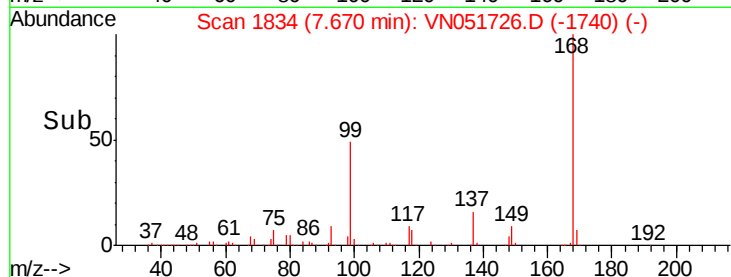
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.162 ug/l

RT: 2.13 min Scan# 112

Delta R.T. 0.28 min

Lab File: VN051726.D

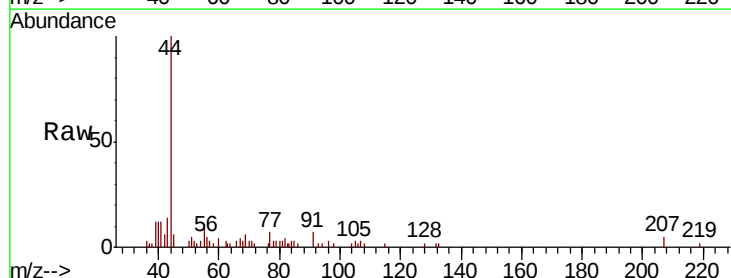
Acq: 8 Oct 2018 11:16

Tgt Ion: 85 Resp: 120

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

2.13

250

200

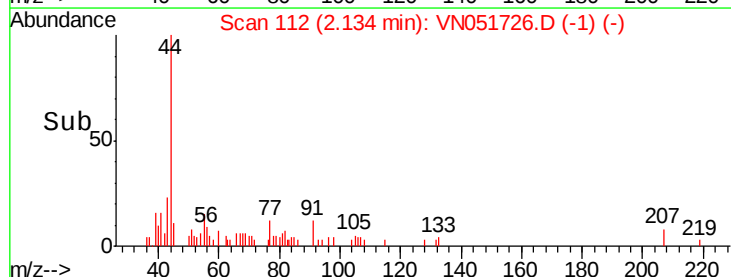
150

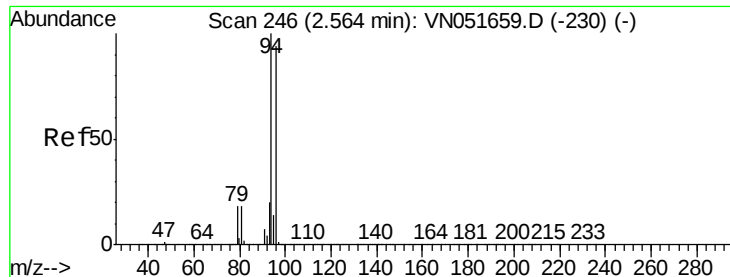
100

50

0

Time-->





#5

Bromomethane

Concen: 0.206 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

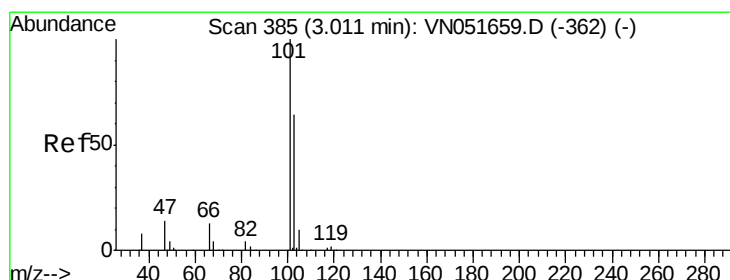
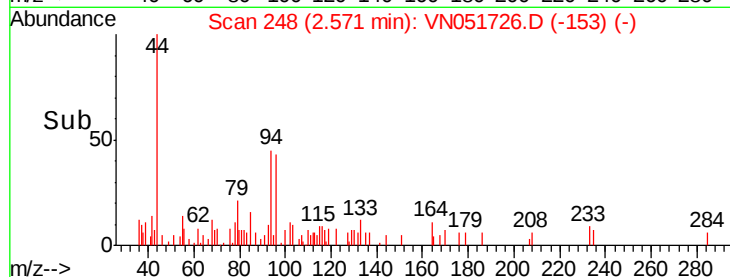
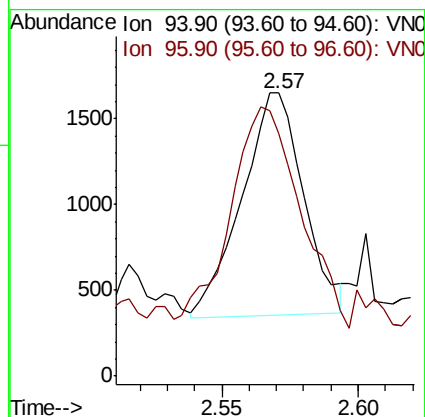
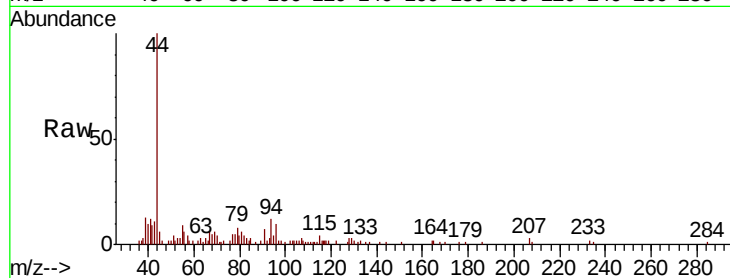
PB113584ZHE#01

Tot Ion: 94 Resp: 2044

Ion Ratio Lower Upper

94 100

96 80.1 75.2 112.8



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.96 min Scan# 369

Delta R.T. -0.05 min

Lab File: VN051726.D

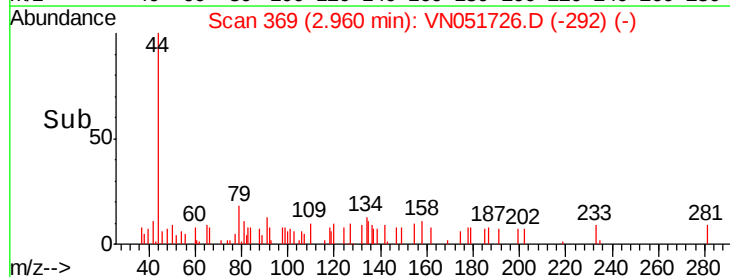
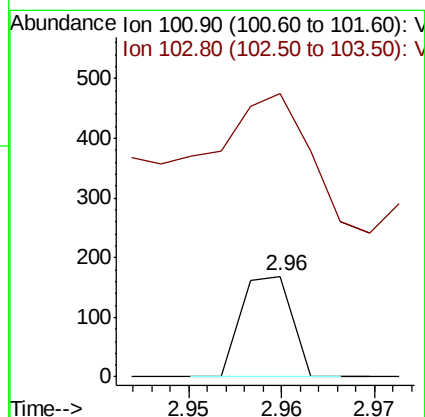
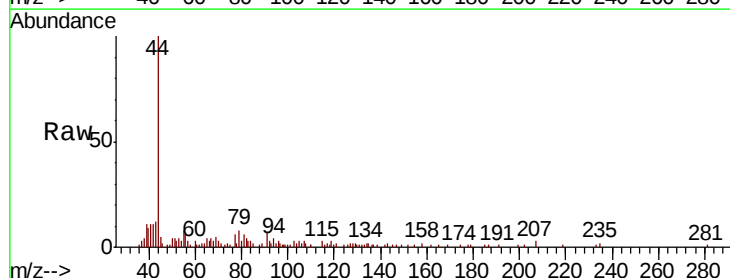
Acq: 8 Oct 2018 11:16

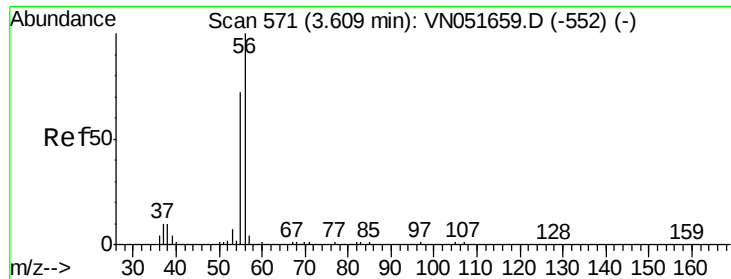
Tgt Ion: 101 Resp: 64

Ion Ratio Lower Upper

101 100

103 126.0 51.1 76.7#





#13

Acrolein

Concen: 0.239 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

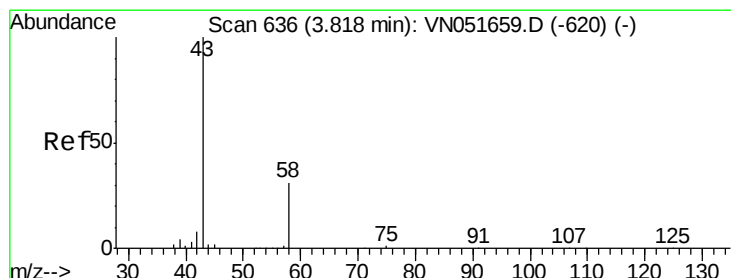
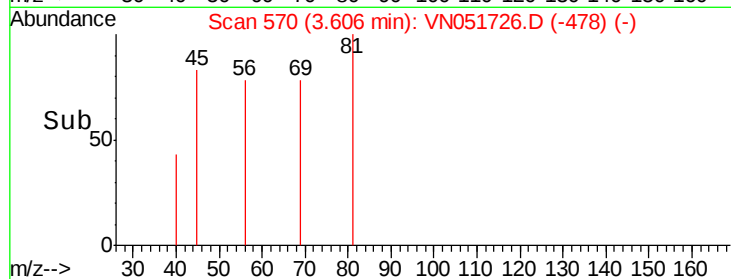
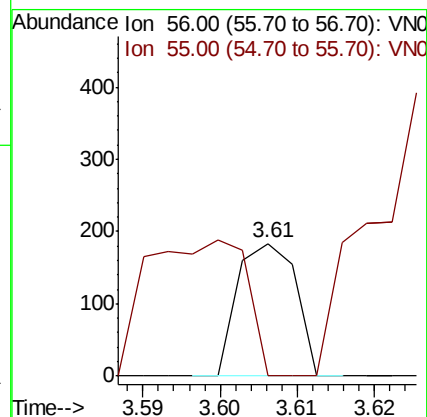
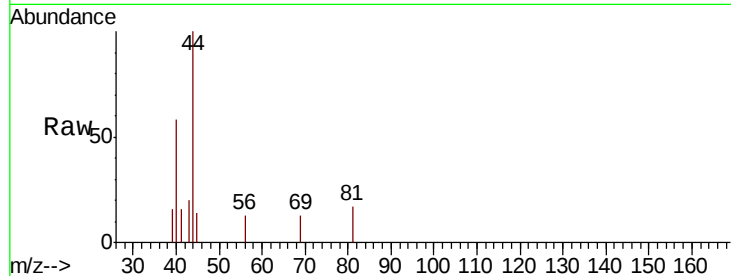
PB113584ZHE#01

Tot Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 175.0 57.5 86.3#



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051726.D

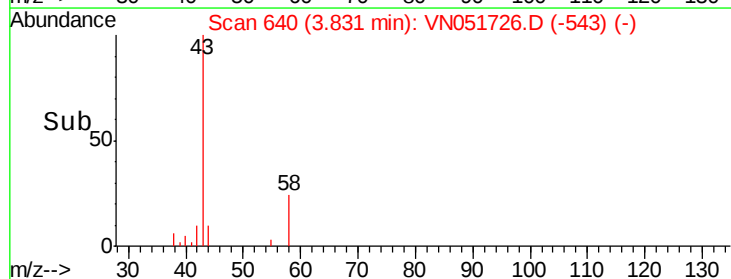
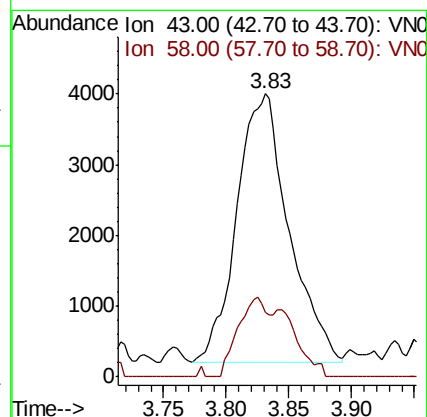
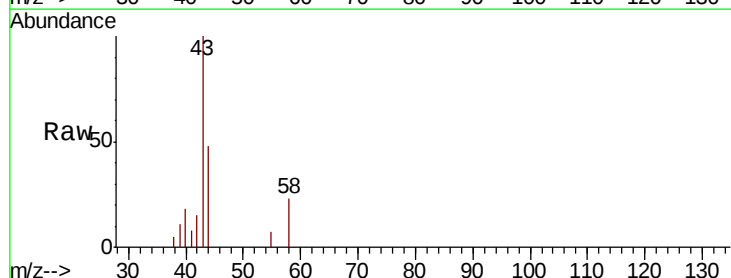
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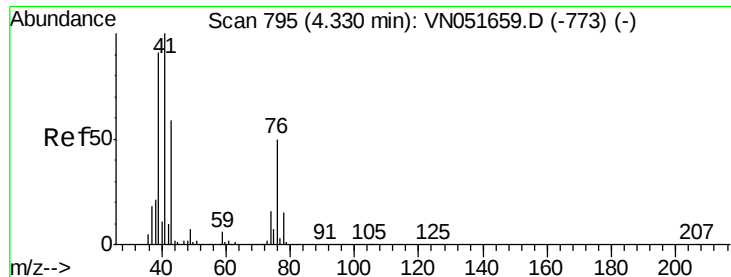
Tgt Ion: 43 Resp: 10931

Ion Ratio Lower Upper

43 100

58 24.3 24.3 36.5#

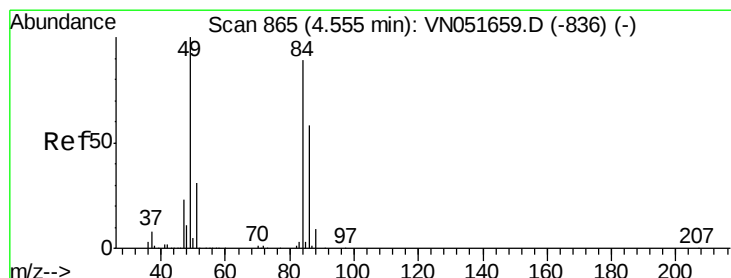
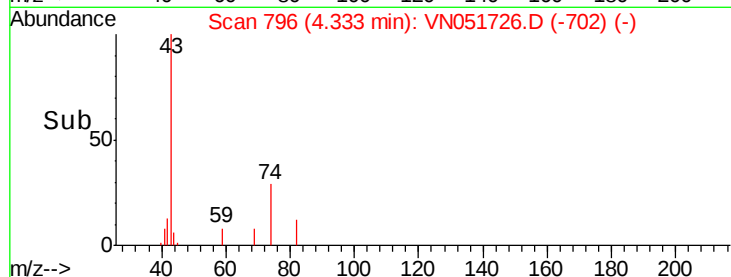
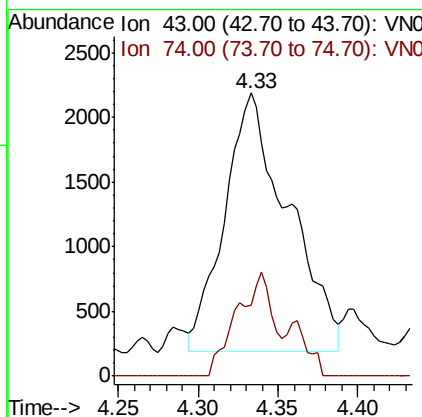
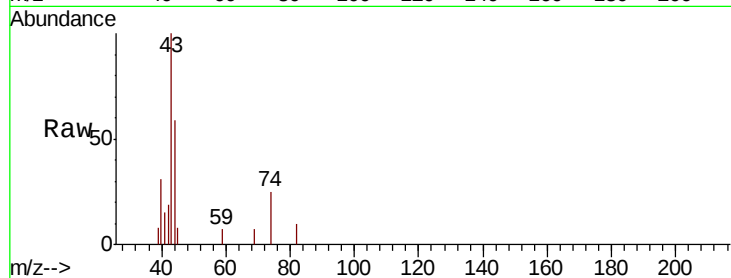




#18
Methvl Acetate
Concen: 1.047 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

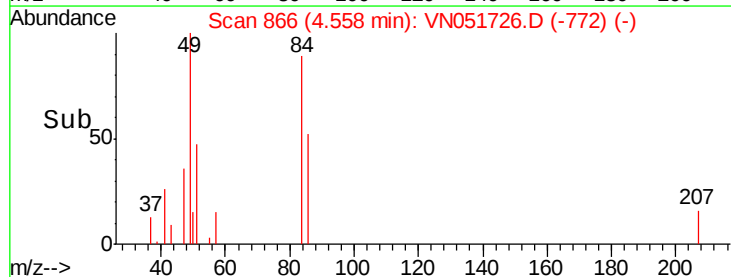
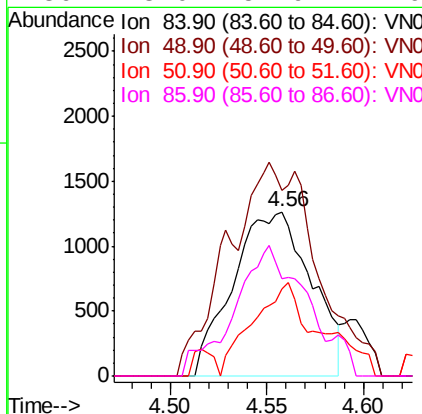
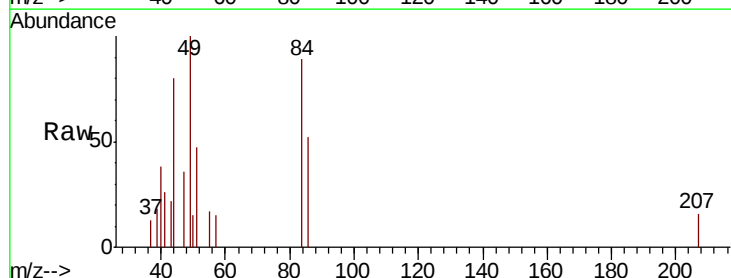
Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

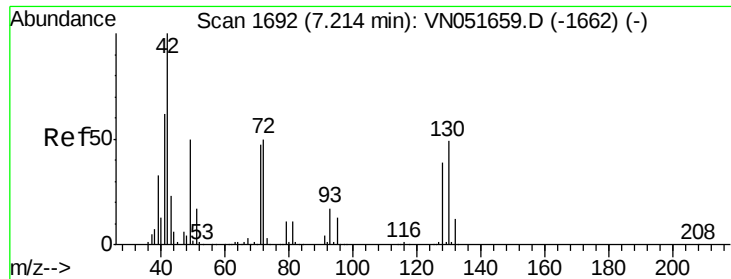
Tot Ion: 43 Resp: 5471
Ion Ratio Lower Upper
43 100
74 22.6 21.5 32.3



#20
Methylene Chloride
Concen: 0.456 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion: 84 Resp: 3554
Ion Ratio Lower Upper
84 100
49 90.6 89.5 134.3
51 53.4 27.4 41.0#
86 43.0 51.9 77.9#

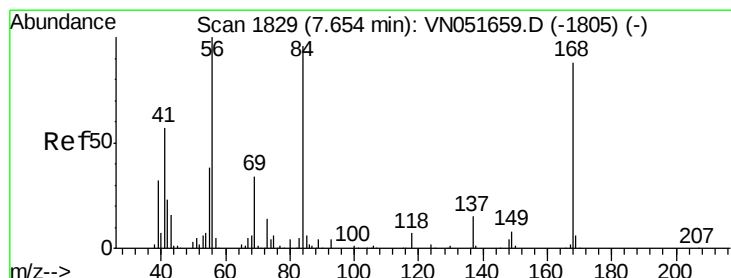
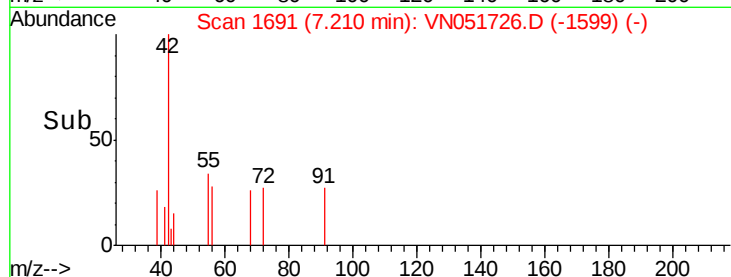
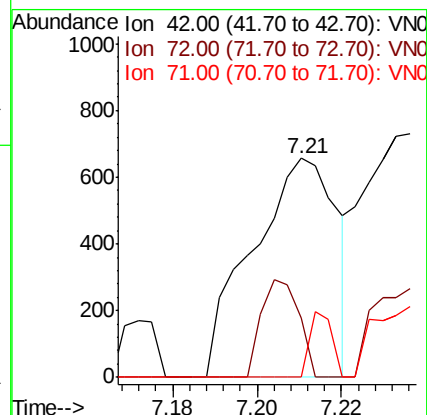
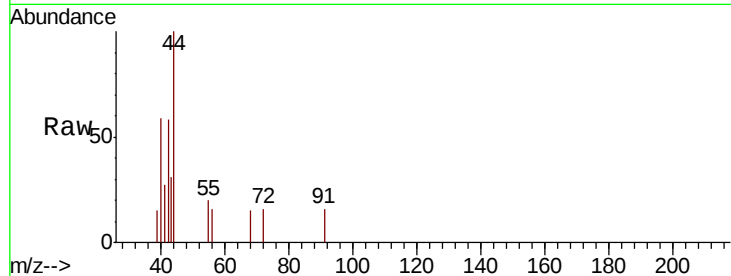




#29
Tetrahydrofuran
Concen: 0.542 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

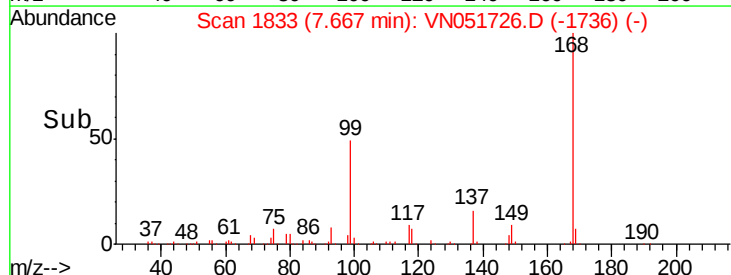
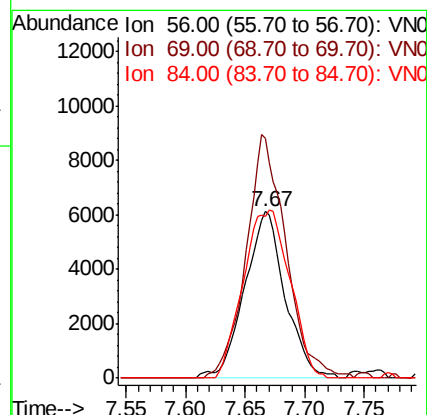
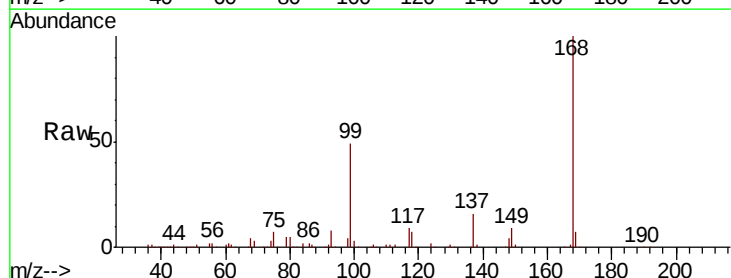
Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

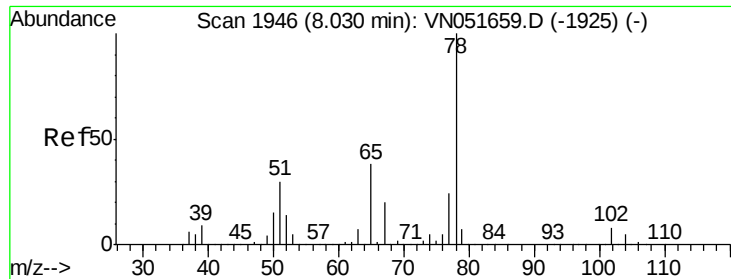
Tot Ion: 42 Resp: 910
Ion Ratio Lower Upper
42 100
72 19.8 40.1 60.1#
71 7.9 38.0 57.0#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion: 56 Resp: 14396
Ion Ratio Lower Upper
56 100
69 143.9 27.5 41.3#
84 97.3 76.7 115.1

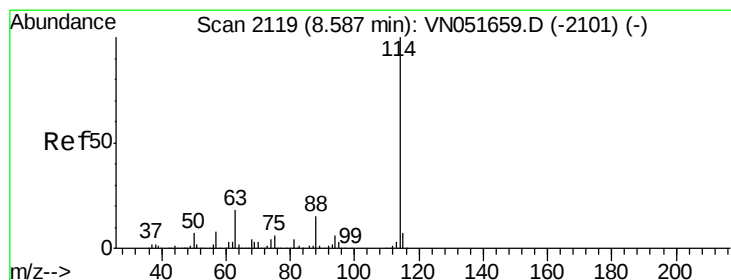
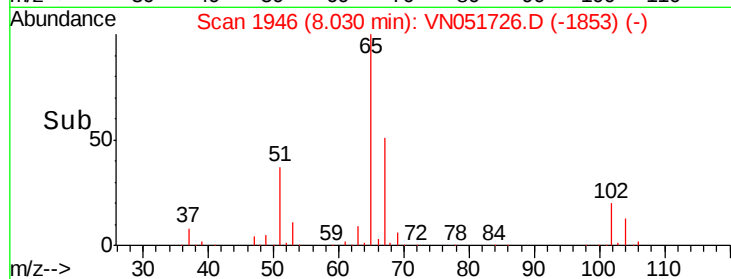
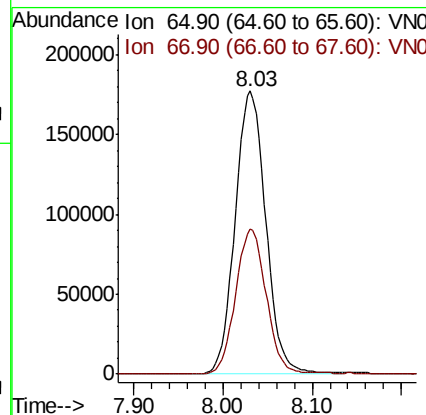
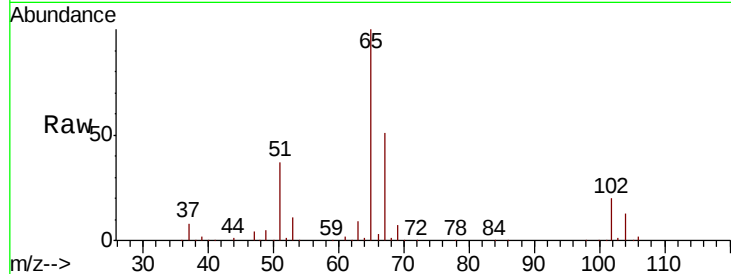




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051726.D
 Acq: 8 Oct 2018 11:16

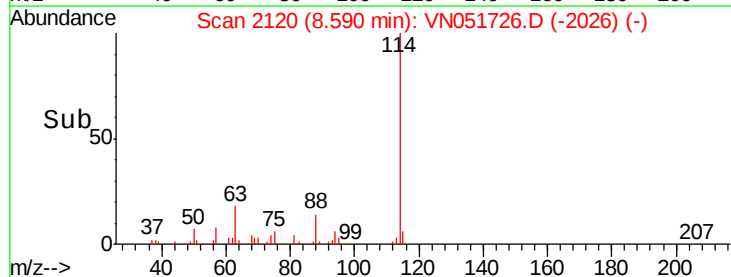
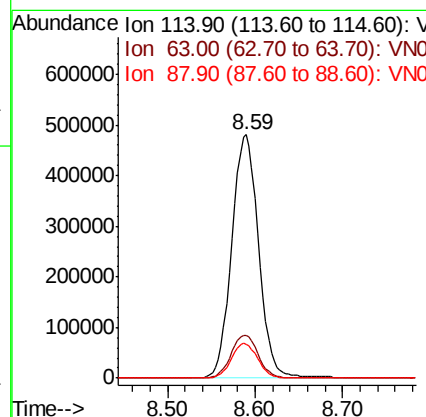
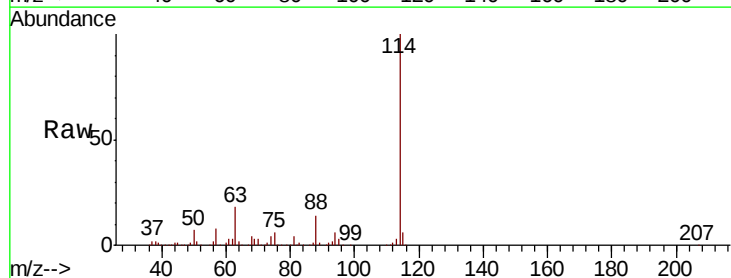
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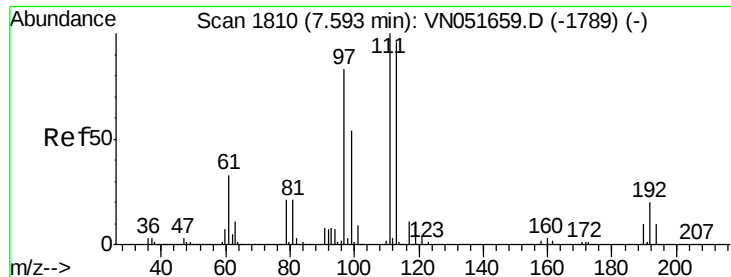
Tot Ion: 65 Resp: 422687
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051726.D
 Acq: 8 Oct 2018 11:16

Tgt Ion: 114 Resp: 1027352
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 14.0 0.0 30.2

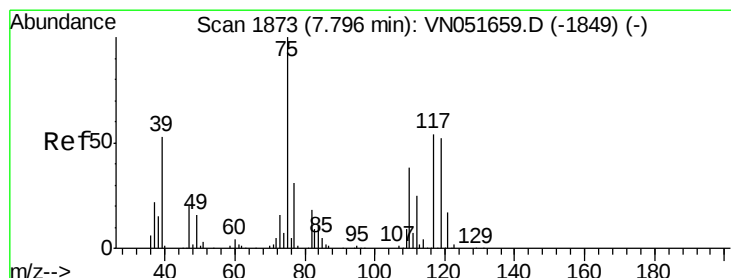
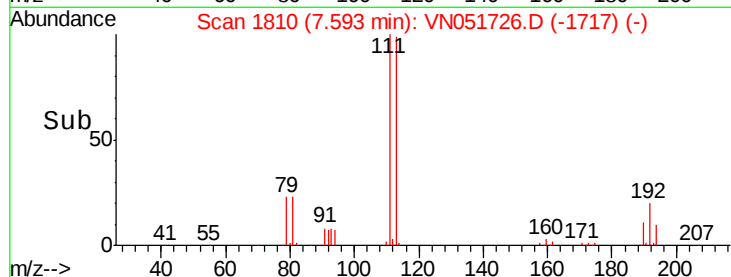
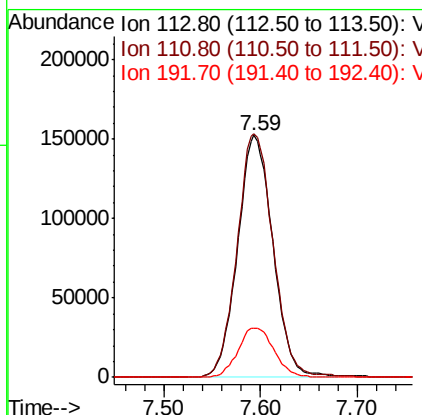
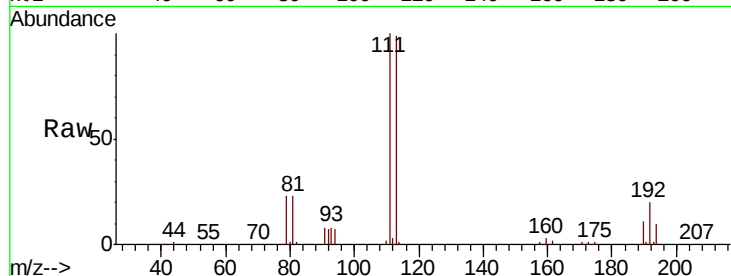




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

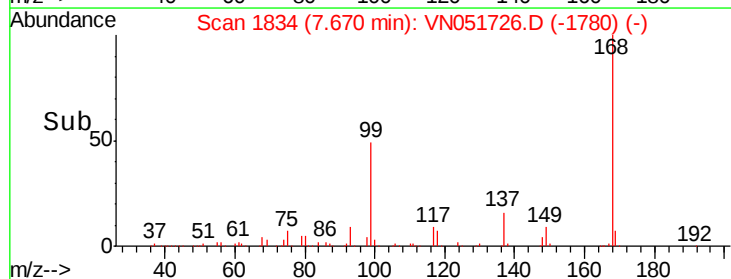
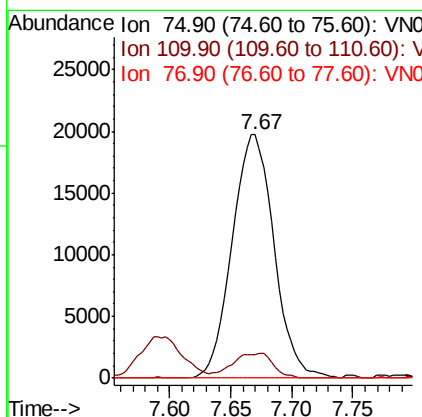
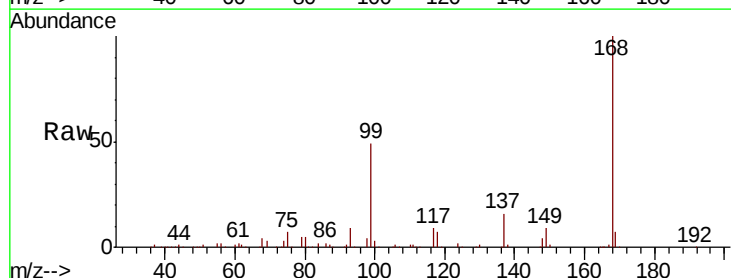
Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

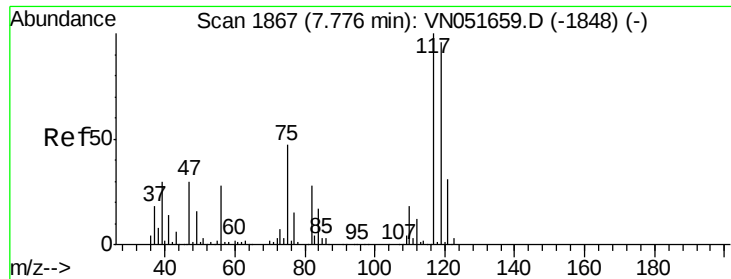
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	20.8	16.5	24.7



#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.13 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.3	57.8#
77	0.0	24.7	37.1#

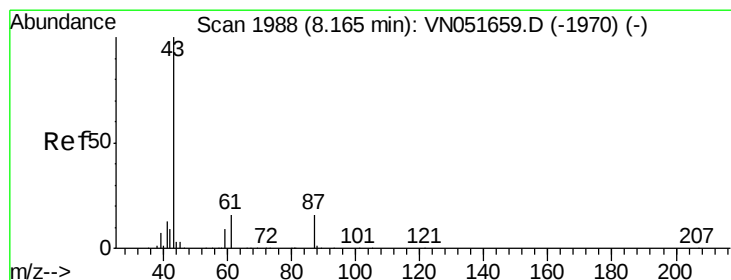
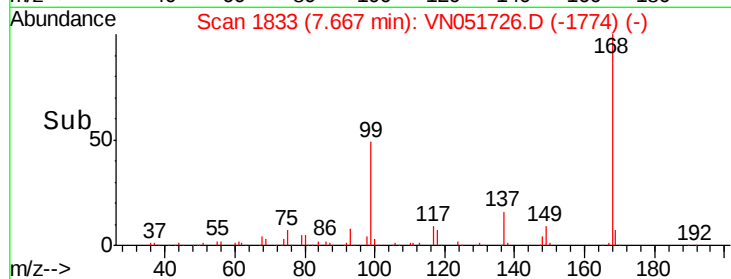
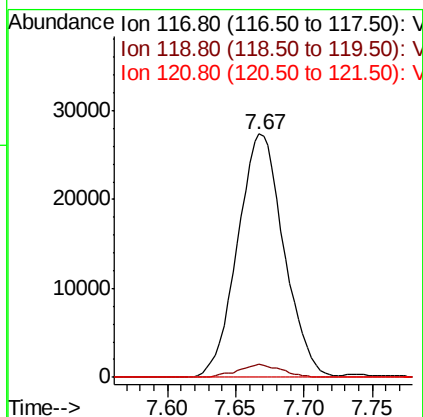
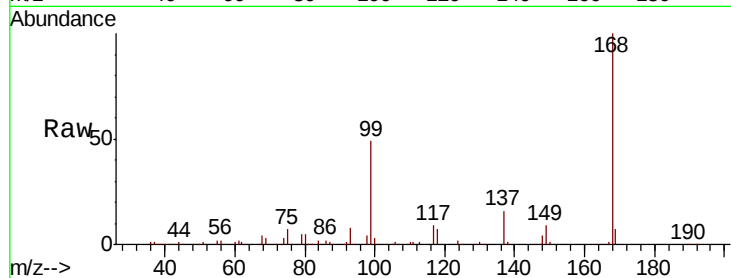




#38
Carbon Tetrachloride
Concen: 5.005 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

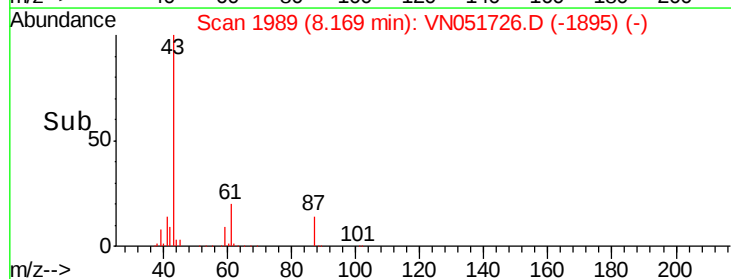
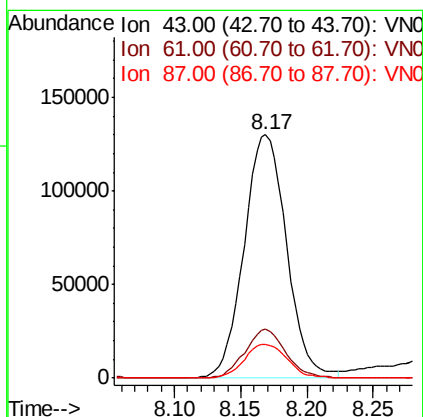
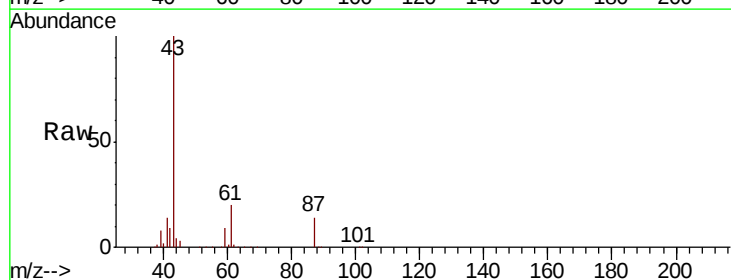
Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

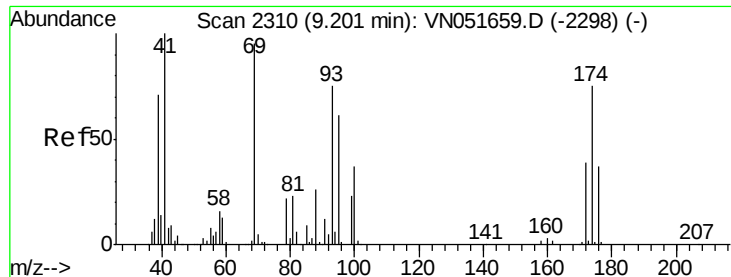
Tot Ion:117 Resp: 64491
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 24.713 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion: 43 Resp: 288564
Ion Ratio Lower Upper
43 100
61 19.4 15.8 23.6
87 14.3 12.6 19.0

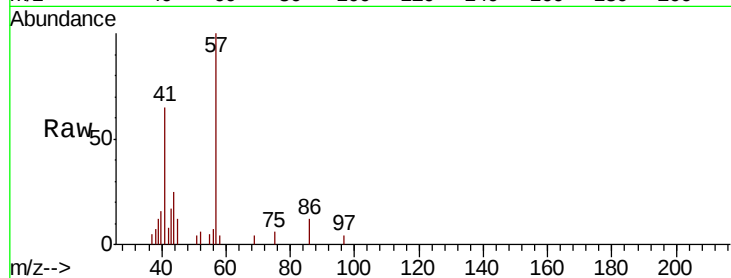




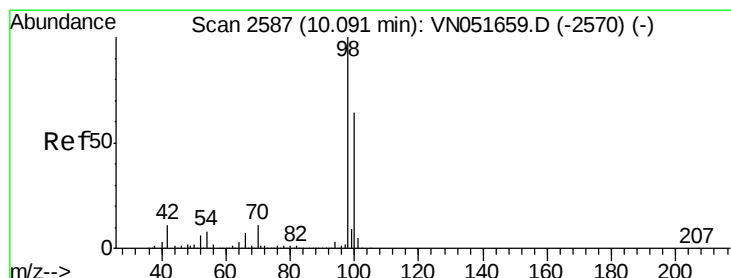
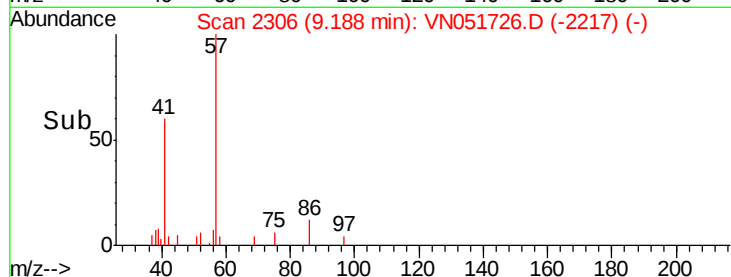
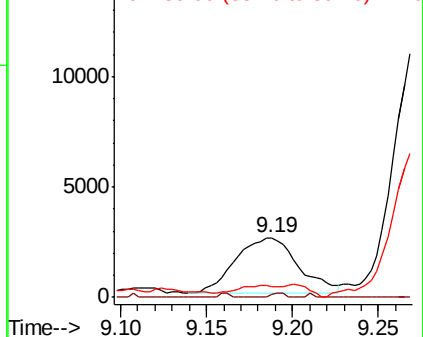
#48
Methvl methacrylate
Concen: 1.216 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

Tot Ion: 41 Resp: 6489
Ion Ratio Lower Upper
41 100
69 1.6 78.6 118.0#
39 0.0 59.2 88.8#

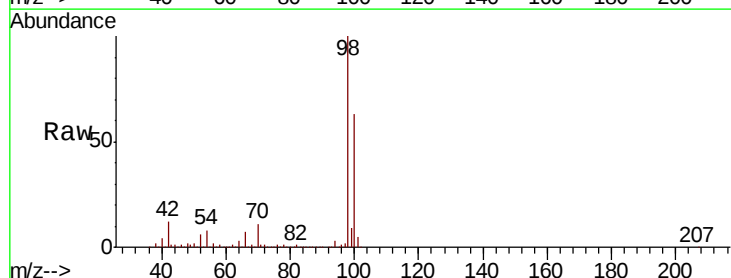


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

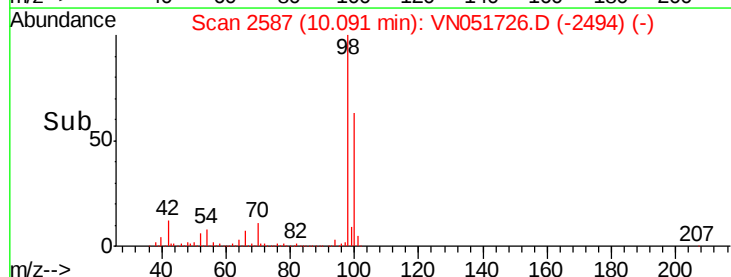
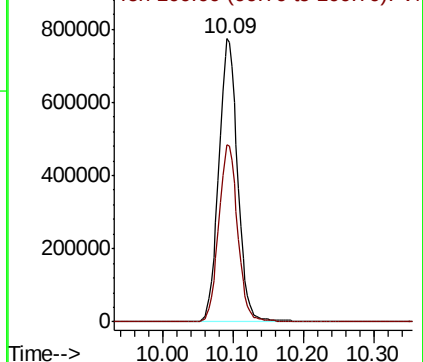


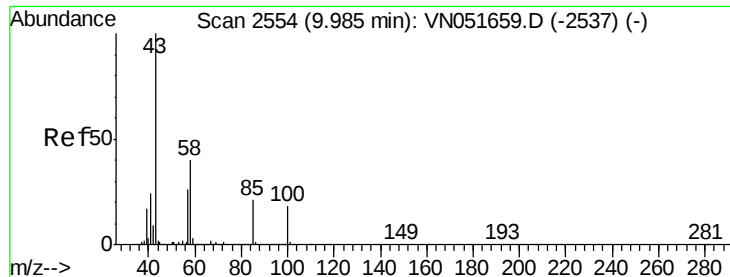
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion: 98 Resp: 1439170
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 0.280 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

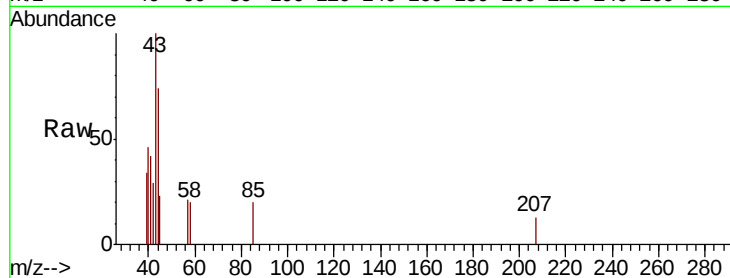
PB113584ZHE#01

Tot Ion: 43 Resp: 1657

Ion Ratio Lower Upper

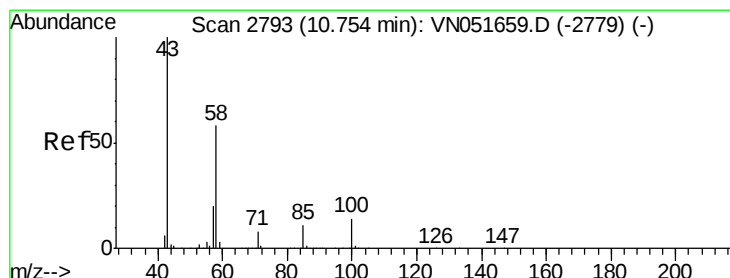
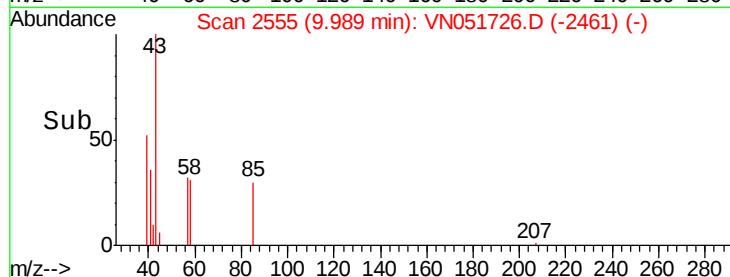
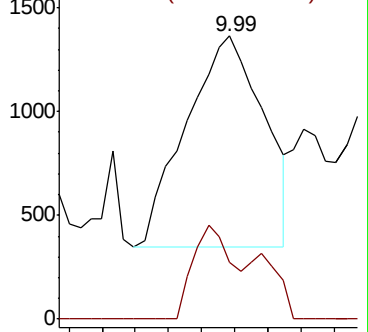
43 100

58 22.2 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 4.913 ug/l

RT: 10.77 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN051726.D

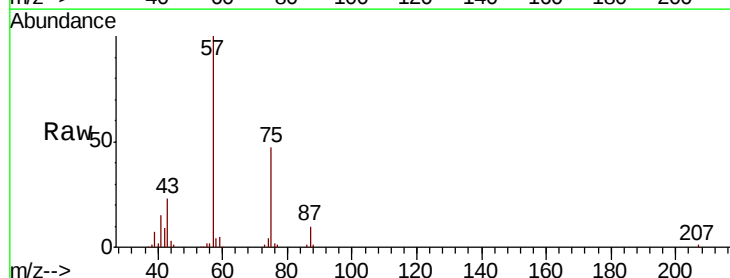
Acq: 8 Oct 2018 11:16

Tgt Ion: 43 Resp: 19743

Ion Ratio Lower Upper

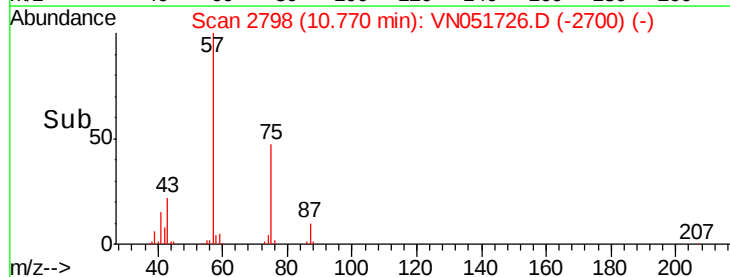
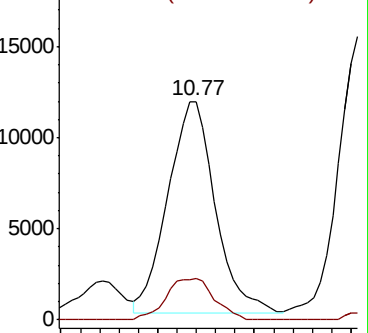
43 100

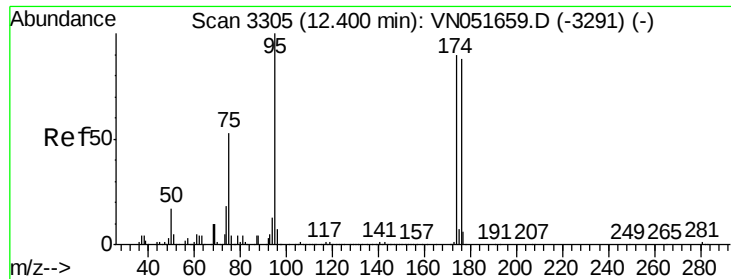
58 19.7 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

PB113584ZHE#01

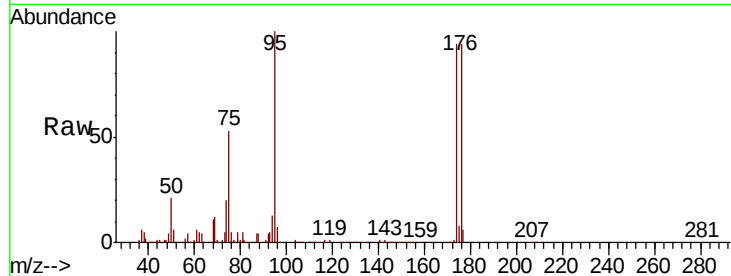
Tot Ion: 95 Resp: 395643

Ion Ratio Lower Upper

95 100

174 95.4 0.0 182.8

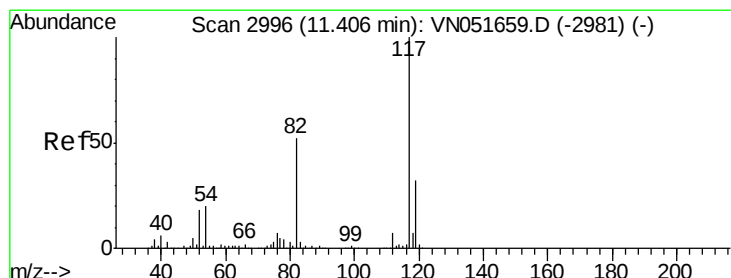
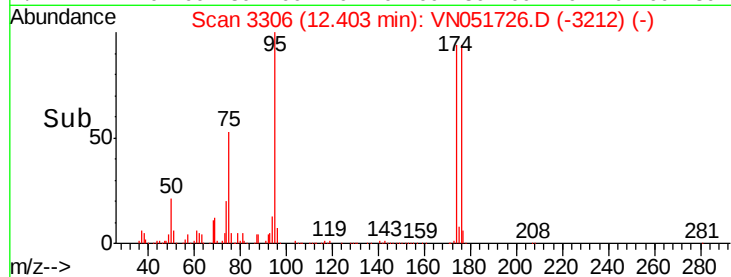
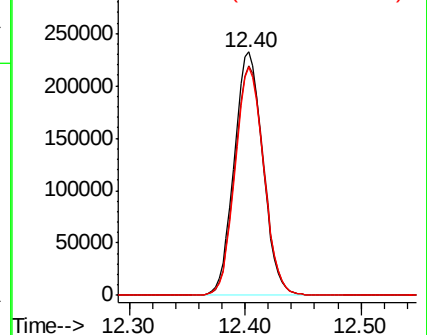
176 93.3 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

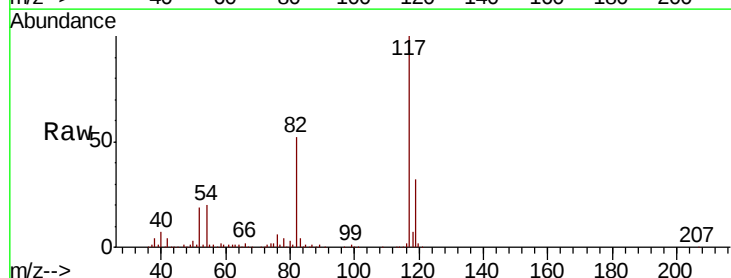
Tgt Ion: 117 Resp: 873020

Ion Ratio Lower Upper

117 100

82 52.1 41.3 61.9

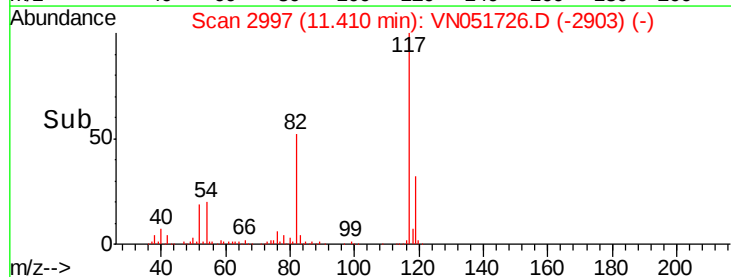
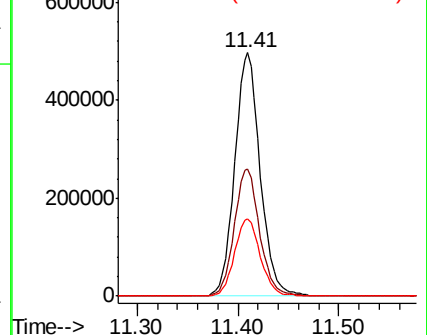
119 31.9 25.9 38.9

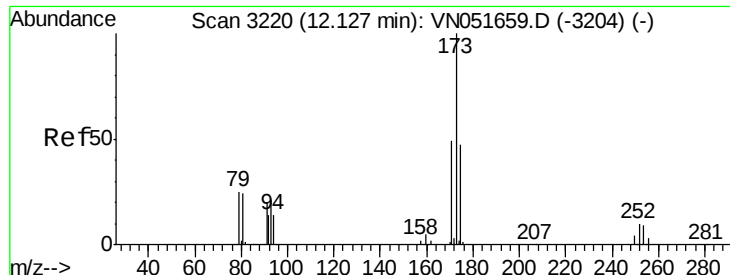


Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)

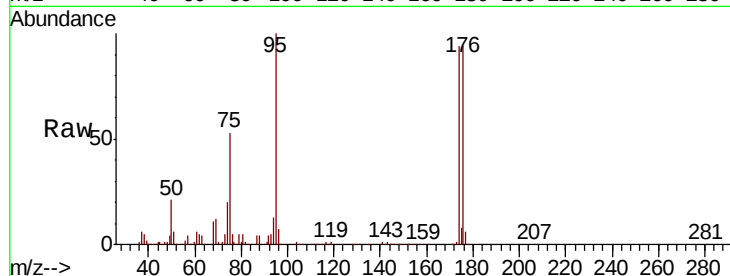




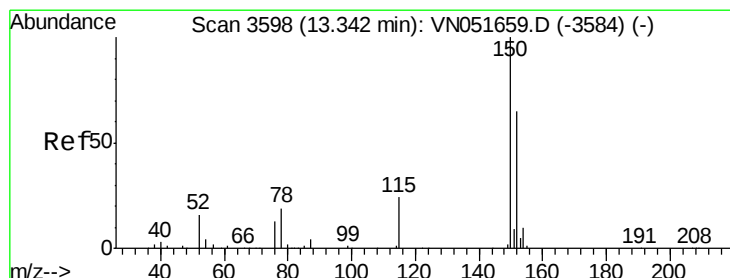
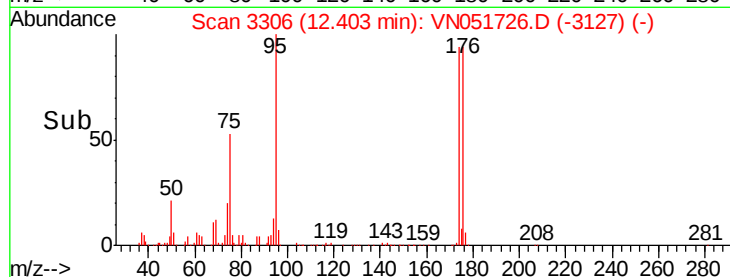
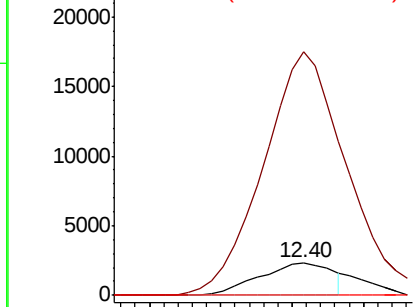
#71
Bromoform
Concen: 0.515 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

Tot Ion:173 Resp: 3318
Ion Ratio Lower Upper
173 100
175 700.6 24.0 72.0#
254 0.0 0.1 0.1#

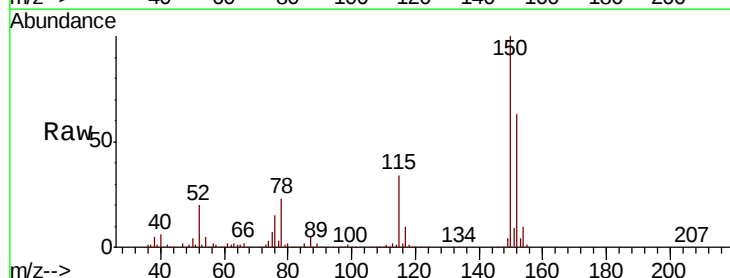


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

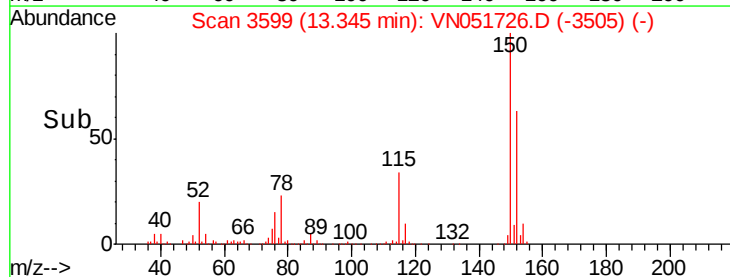
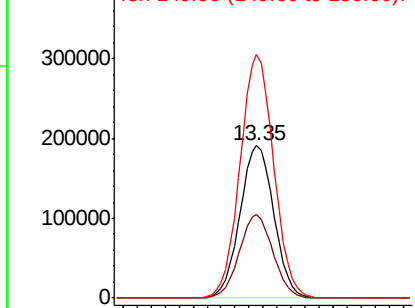


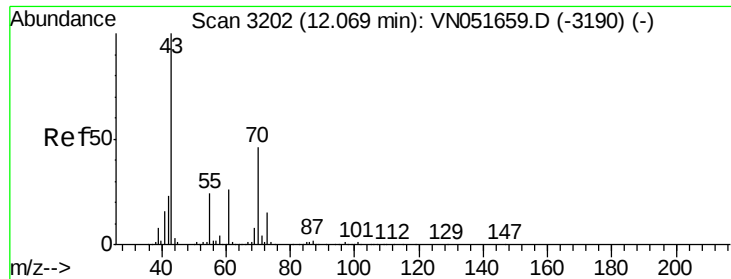
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion:152 Resp: 321992
Ion Ratio Lower Upper
152 100
115 54.2 28.6 85.8
150 158.5 0.0 352.4



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

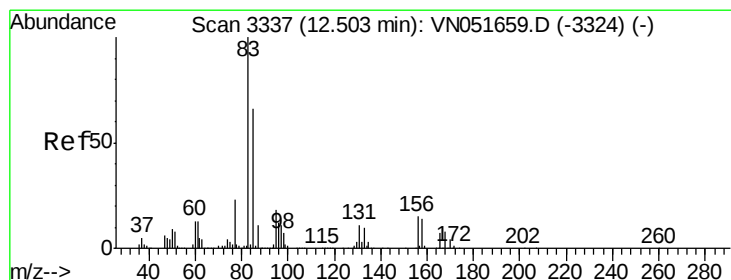
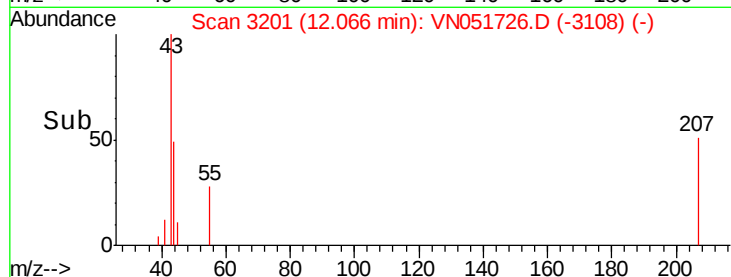
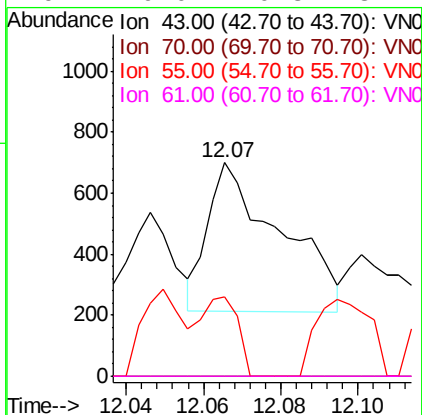
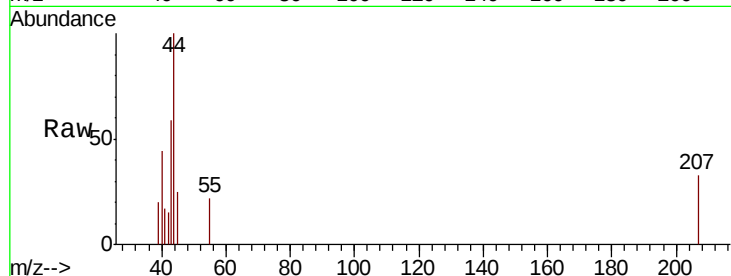




#74
N-amvl acetate
Concen: Below Cal
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

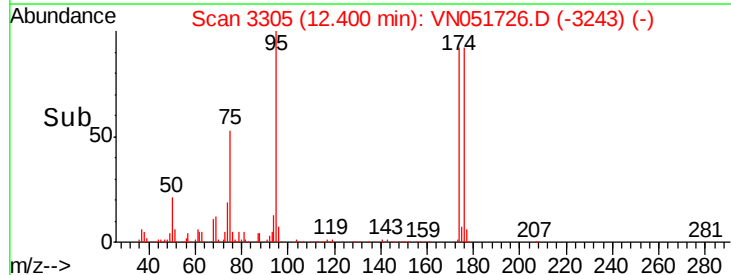
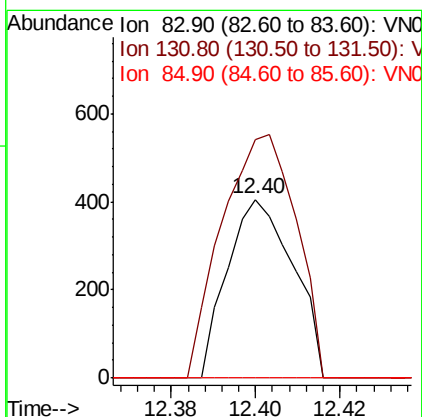
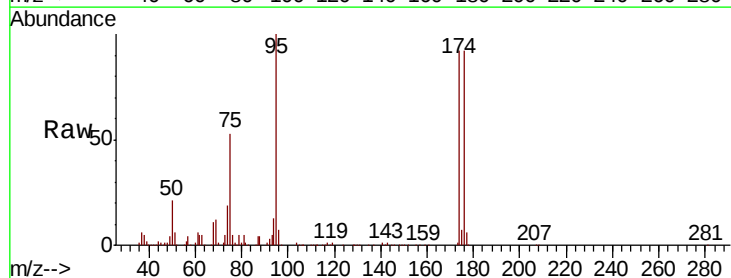
Instrument :
MSVOA_N
ClientSampleId :
PB113584ZHE#01

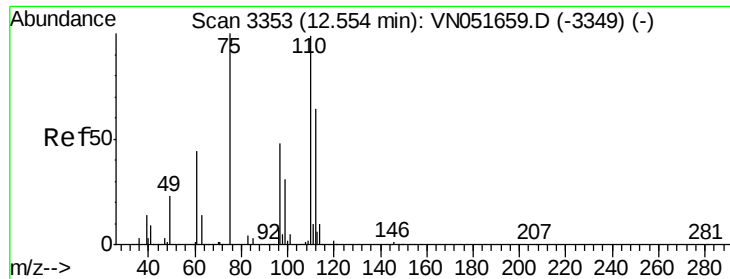
Tot Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
70 0.0 37.1 55.7#
55 27.1 19.1 28.7
61 0.0 20.8 31.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. -0.10 min
Lab File: VN051726.D
Acq: 8 Oct 2018 11:16

Tgt Ion: 83 Resp: 439
Ion Ratio Lower Upper
83 100
131 153.3 5.7 17.1#
85 0.0 33.0 98.9#





#76

1,2,3-Trichloropropane

Concen: 53.717 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

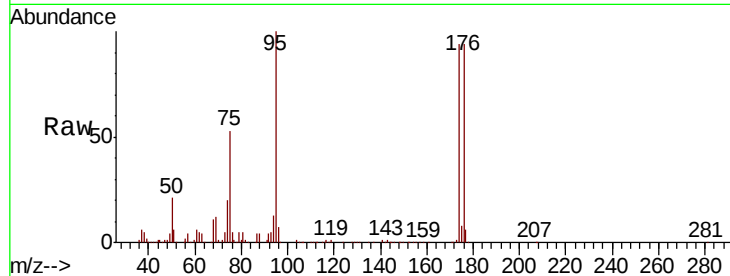
PB113584ZHE#01

Tot Ion: 75 Resp: 213694

Ion Ratio Lower Upper

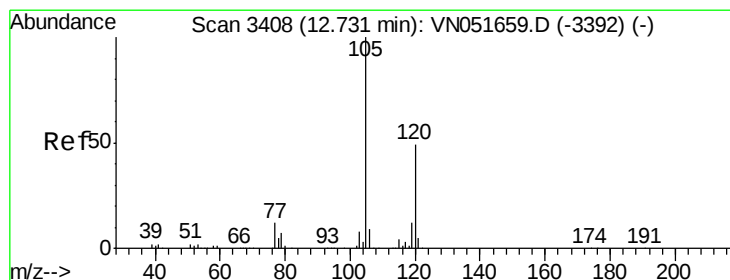
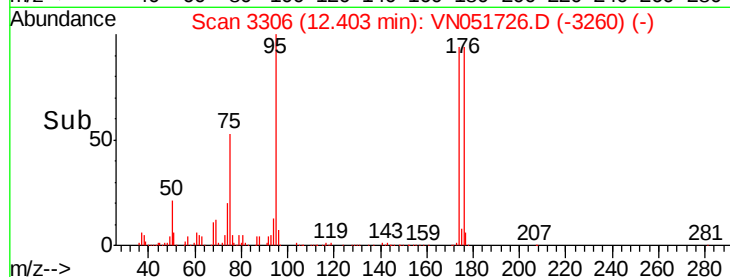
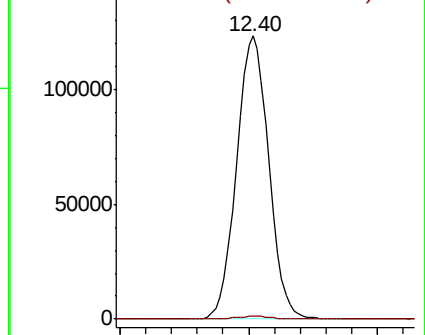
75 100

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: 0.274 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051726.D

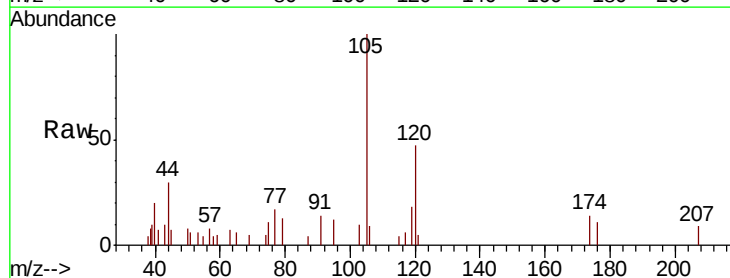
Acq: 8 Oct 2018 11:16

Tgt Ion: 105 Resp: 6332

Ion Ratio Lower Upper

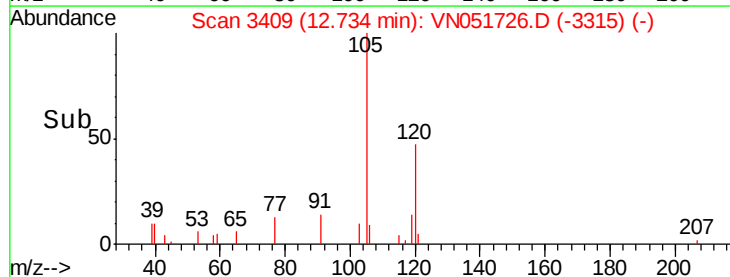
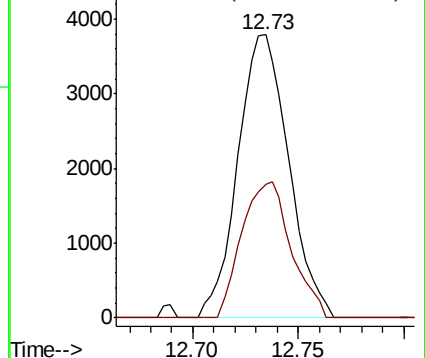
105 100

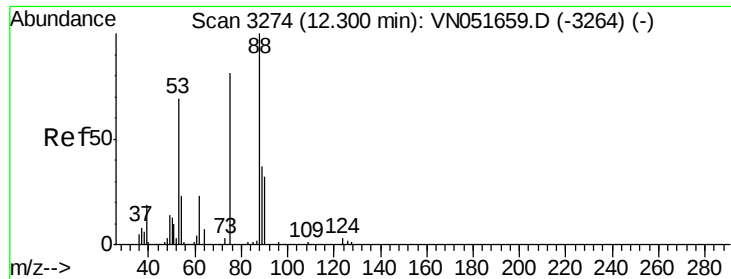
120 46.7 24.6 74.0



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: 121.994 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051726.D

Acq: 8 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

PB113584ZHE#01

Tot Ion: 75 Resp: 213694

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 39.4 59.2#

