

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052848.D
 Acq On : 13 Dec 2018 00:40
 Operator : MD\SY
 Sample : PB115564ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#12

Quant Time: Dec 13 04:16:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1150378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1797978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1623762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	659845	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	604918	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	7.59	113	514588	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	10.09	98	2197195	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	724080	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

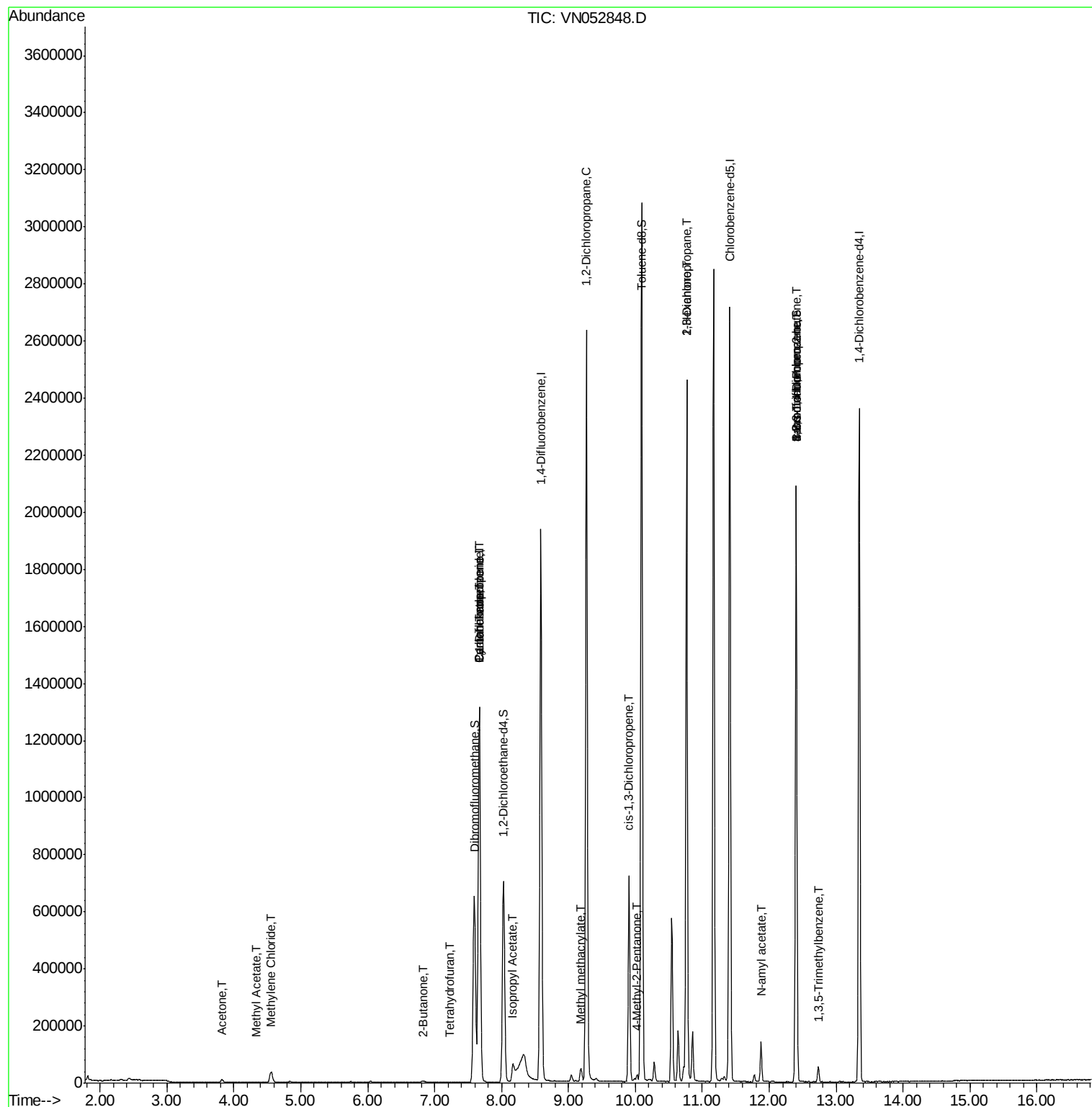
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	18233	6.637	ug/l	98
18) Methyl Acetate	4.33	43	2748	0.273	ug/l #	75
20) Methylene Chloride	4.56	84	28601	2.313	ug/l	97
25) 2-Butanone	6.84	43	1319	0.309	ug/l #	82
29) Tetrahydrofuran	7.22	42	1538	0.529	ug/l #	56
31) Cyclohexane	7.67	56	19756	0.377	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78774	4.758	ug/l #	48
38) Carbon Tetrachloride	7.67	117	99430	6.524	ug/l #	16
43) Isopropyl Acetate	8.17	43	82722	4.056	ug/l #	75
45) 1,2-Dichloropropane	9.27	63	3305	0.254	ug/l #	44
48) Methyl methacrylate	9.18	41	16875	1.887	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	18427	1.971	ug/l #	35
54) cis-1,3-Dichloropropene	9.91	75	134111	7.145	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	25309	1.374	ug/l #	42
59) 2-Hexanone	10.77	43	346182	54.020	ug/l #	50
71) Bromoform	12.40	173	4633	0.582	ug/l #	1
74) N-amyl acetate	11.88	43	42120	3.114	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	341947	35.125	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	26554	0.668	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	341947	112.837	ug/l #	12

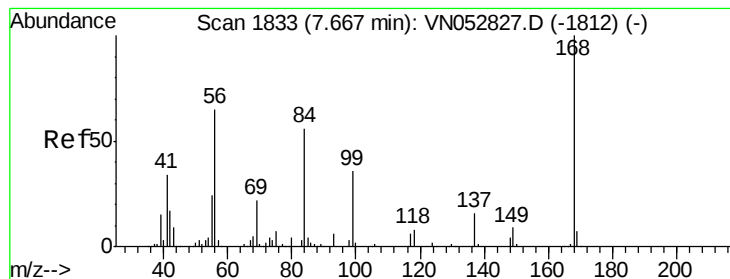
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

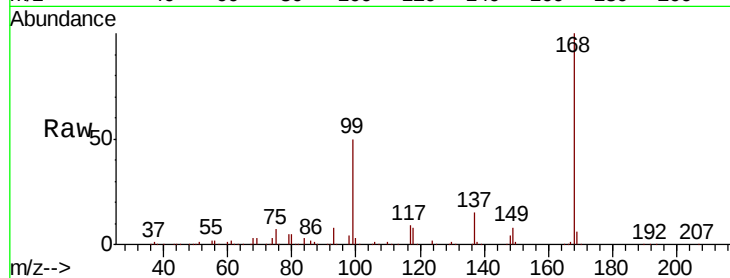
PB115564ZHE#12

Tot Ion:168 Resp: 1150378

Ion Ratio Lower Upper

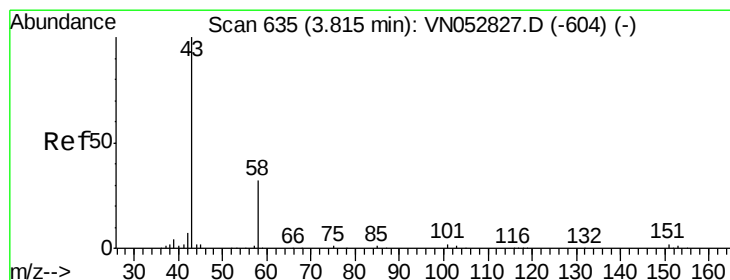
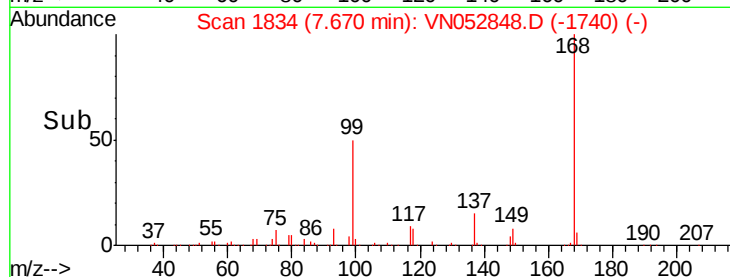
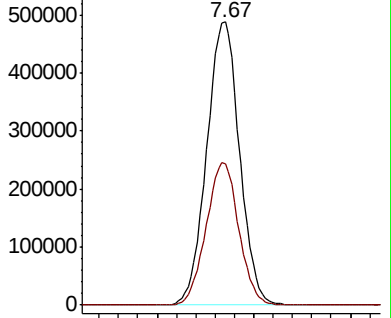
168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.637 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052848.D

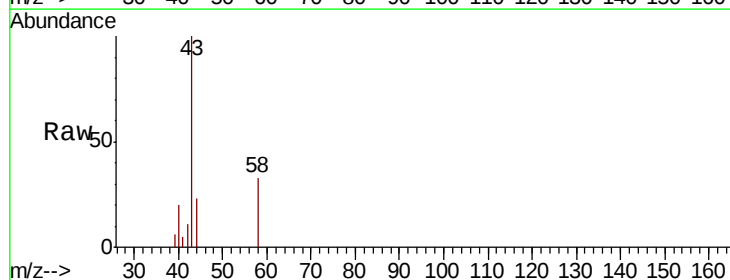
Acq: 13 Dec 2018 00:40

Tgt Ion: 43 Resp: 18233

Ion Ratio Lower Upper

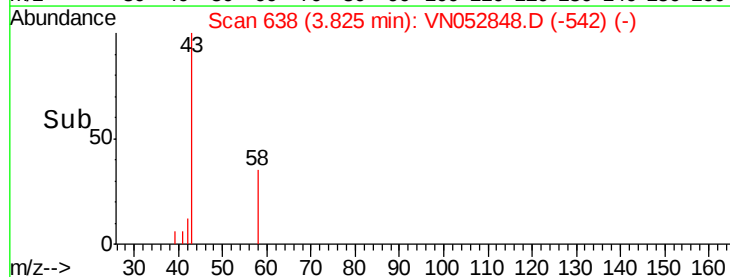
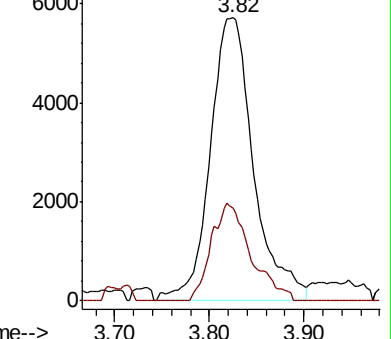
43 100

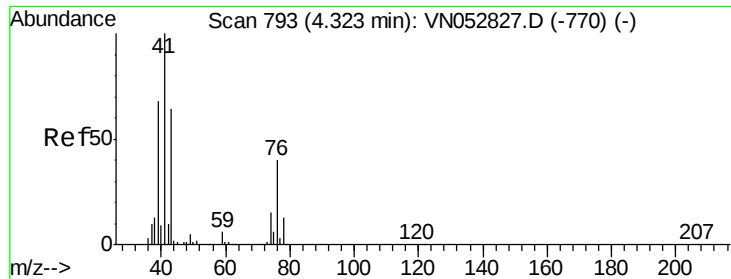
58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

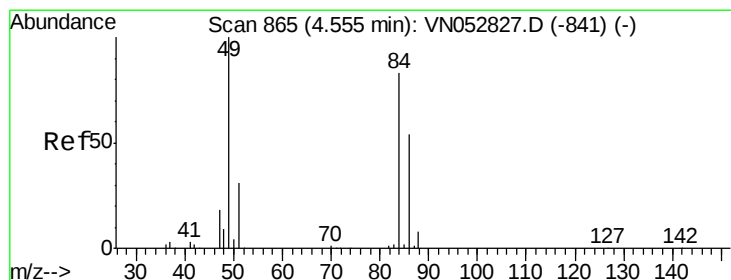
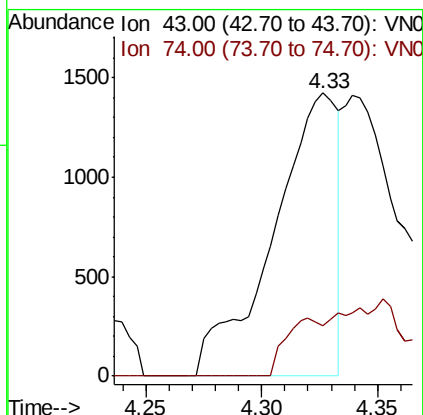
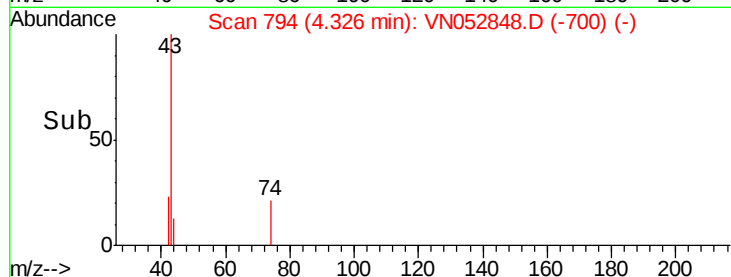
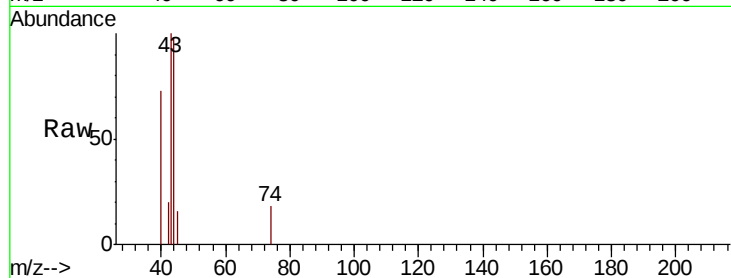




#18
Methyl Acetate
Concen: 0.273 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

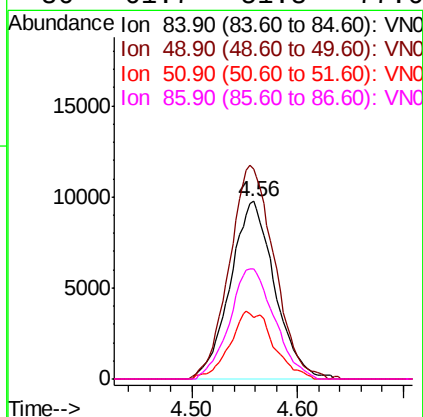
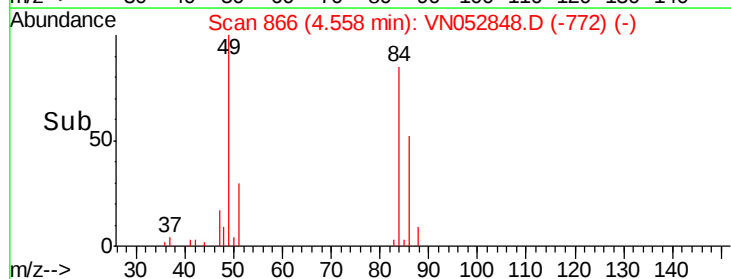
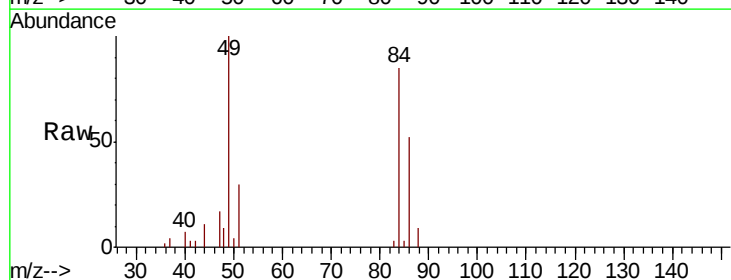
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#12

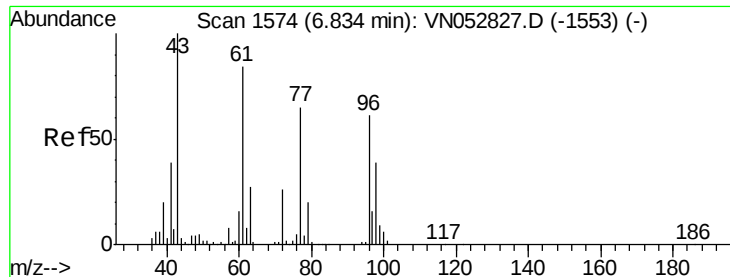
Tot Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
74 11.8 19.2 28.8#



#20
Methylene Chloride
Concen: 2.313 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

Tgt Ion: 84 Resp: 28601
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 34.9 29.9 44.9
86 61.7 51.8 77.6





#25

2-Butanone

Concen: 0.309 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

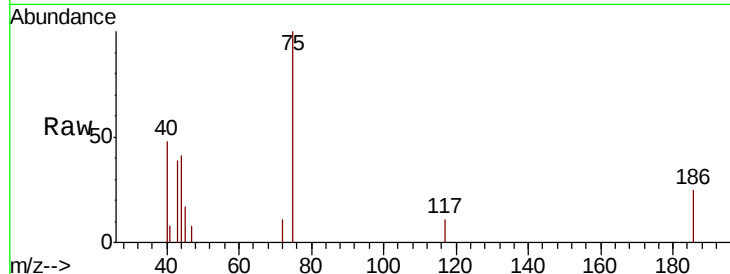
PB115564ZHE#12

Tot Ion: 43 Resp: 1319

Ion Ratio Lower Upper

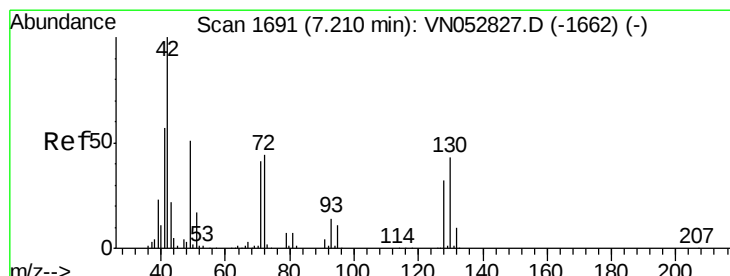
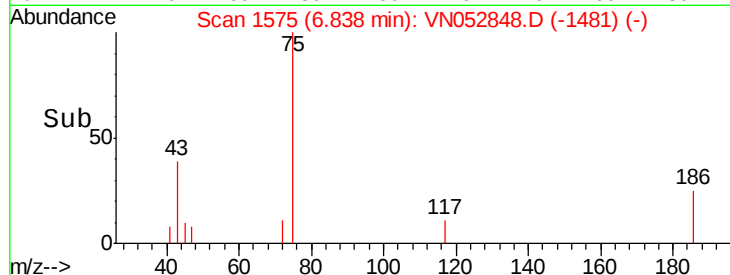
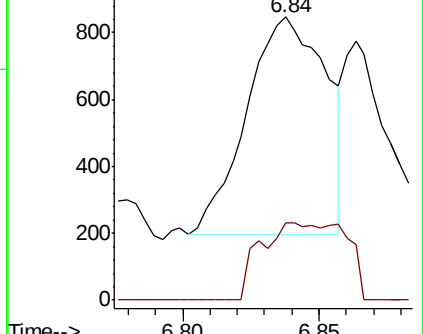
43 100

72 35.6 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.529 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

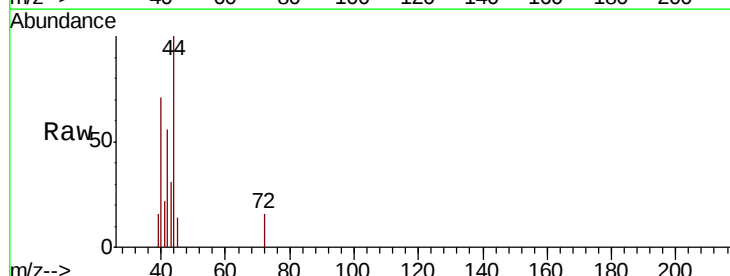
Tgt Ion: 42 Resp: 1538

Ion Ratio Lower Upper

42 100

72 20.0 34.7 52.1#

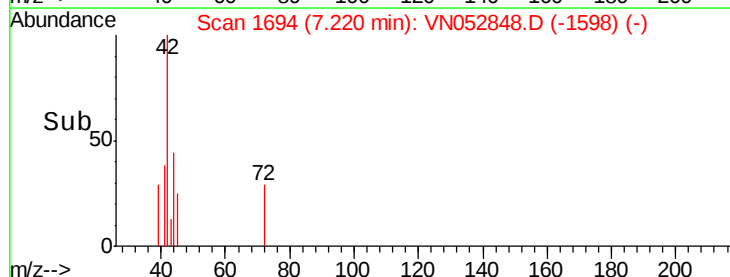
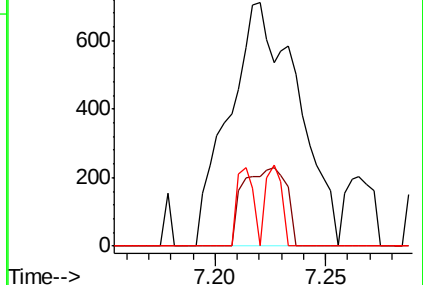
71 7.8 32.3 48.5#

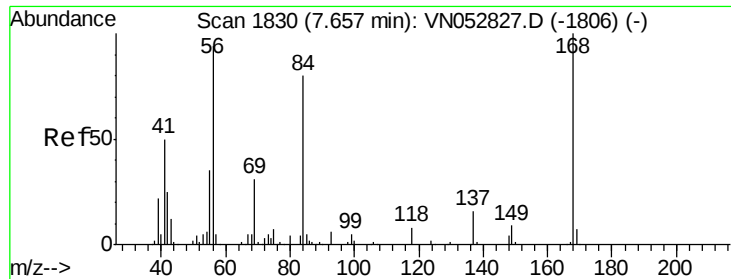


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.377 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#12

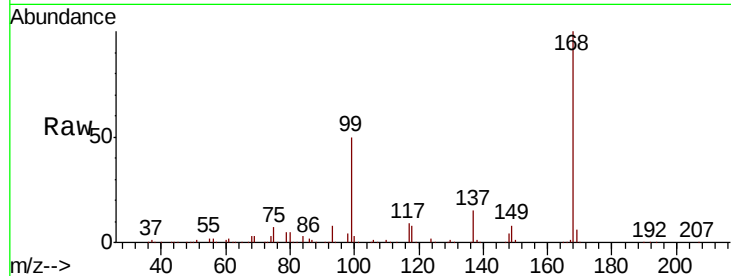
Tot Ion: 56 Resp: 19756

Ion Ratio Lower Upper

56 100

69 167.8 26.6 39.8#

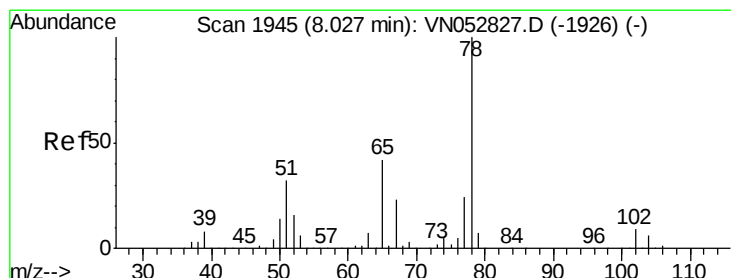
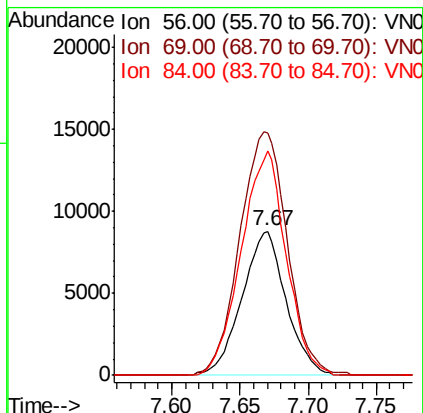
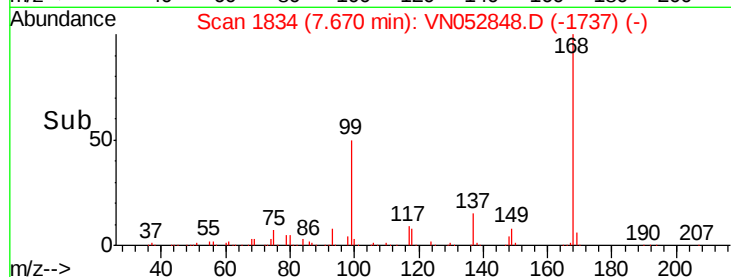
84 155.2 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052848.D

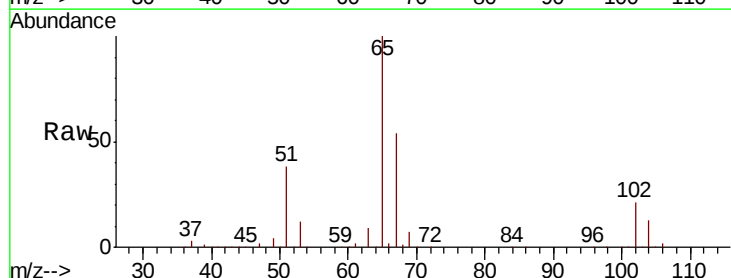
Acq: 13 Dec 2018 00:40

Tgt Ion: 65 Resp: 604918

Ion Ratio Lower Upper

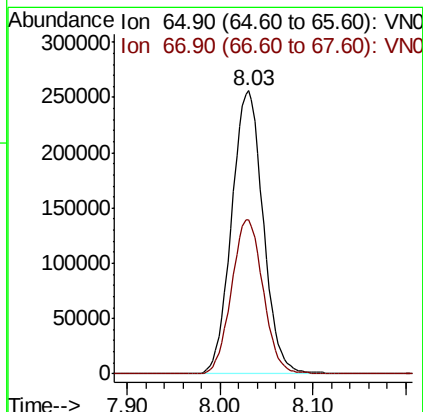
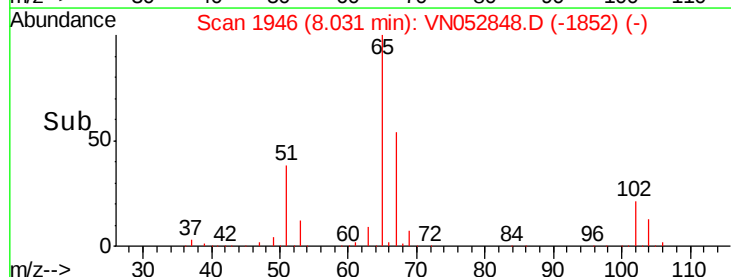
65 100

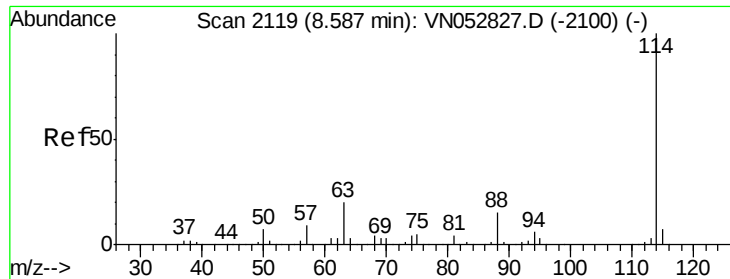
67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052827.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052827.D (-1926) (-)

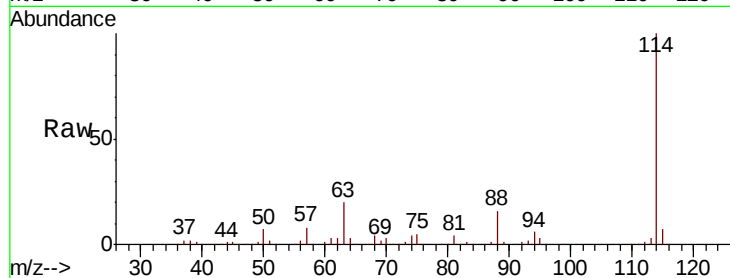




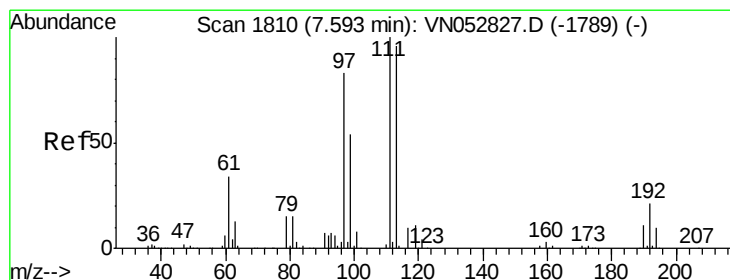
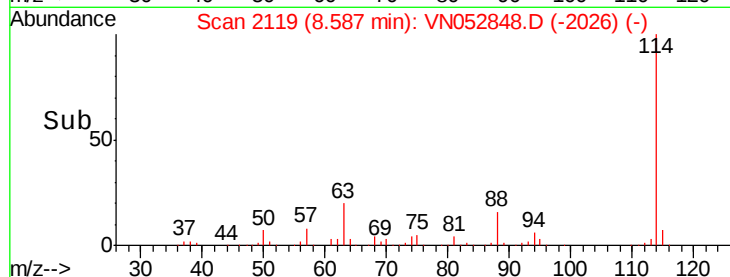
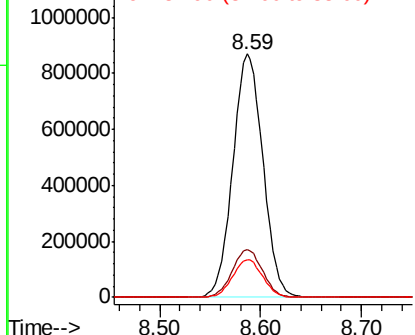
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Instrument :
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 PB115564ZHE#12

Tot Ion:114 Resp: 1797978
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0

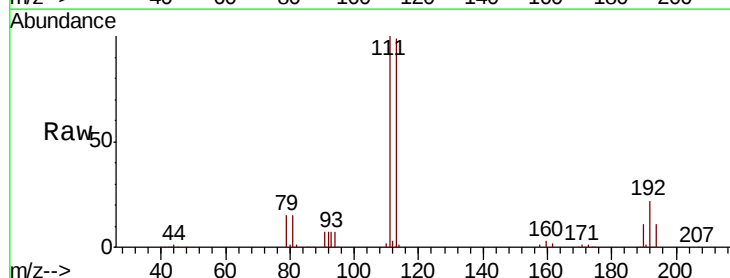


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

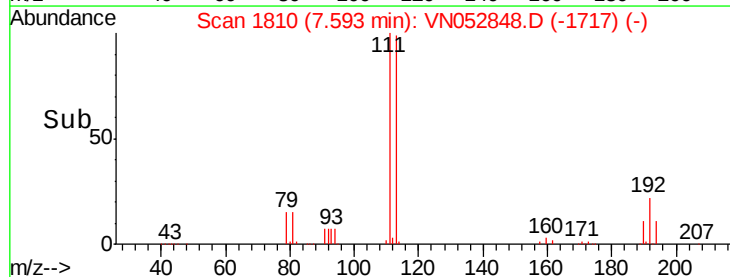
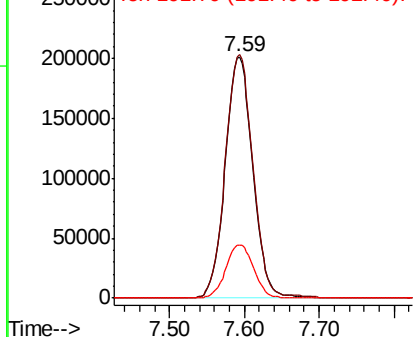


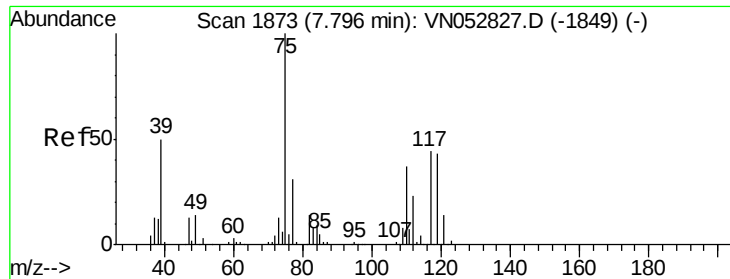
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Tgt Ion:113 Resp: 514588
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.0 124.4
 192 22.2 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

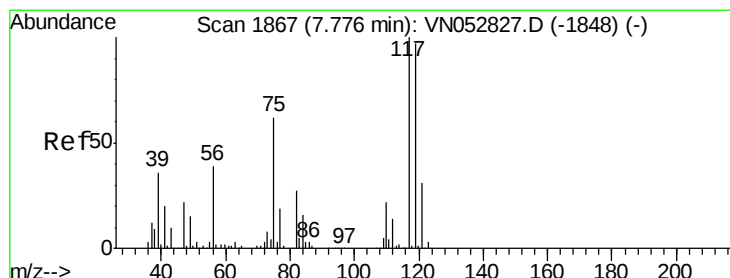
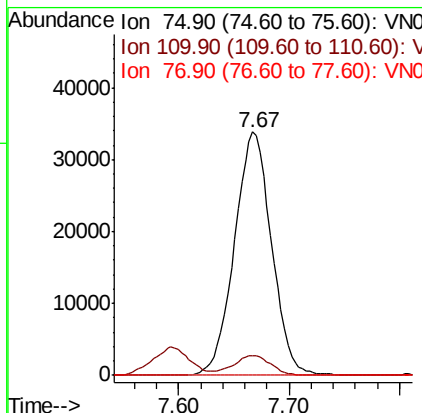
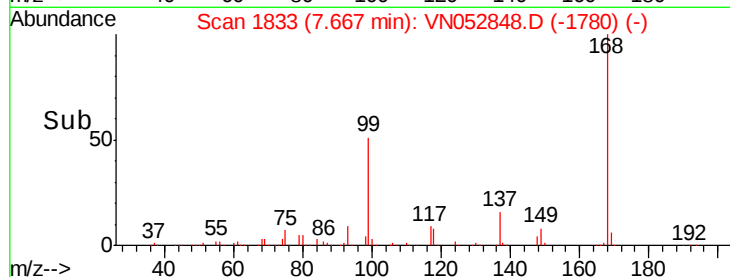
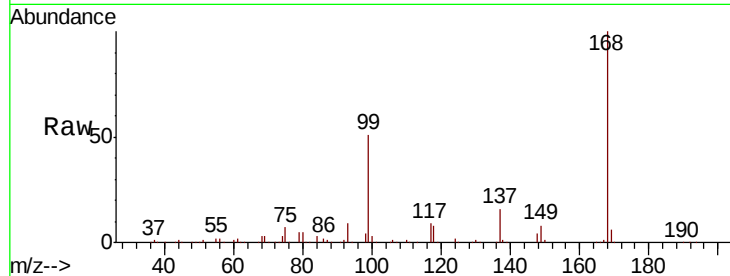




#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

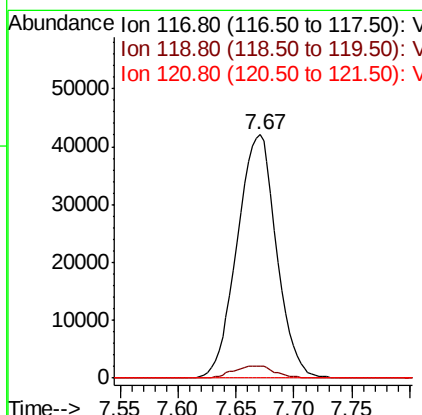
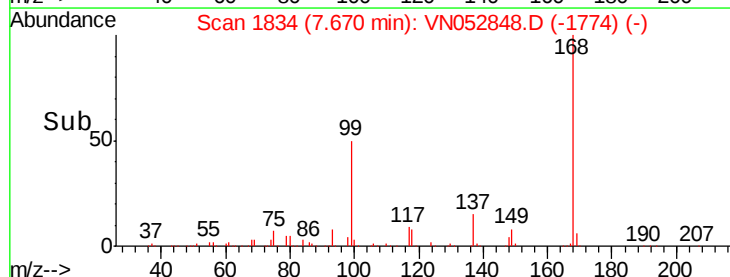
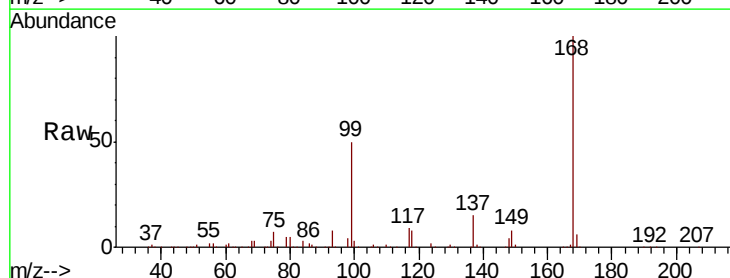
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#12

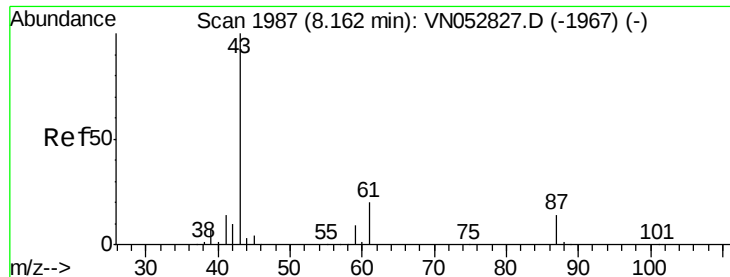
Tot Ion: 75 Resp: 78774
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.524 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Tgt Ion: 117 Resp: 99430
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.1 115.7#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 4.056 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#12

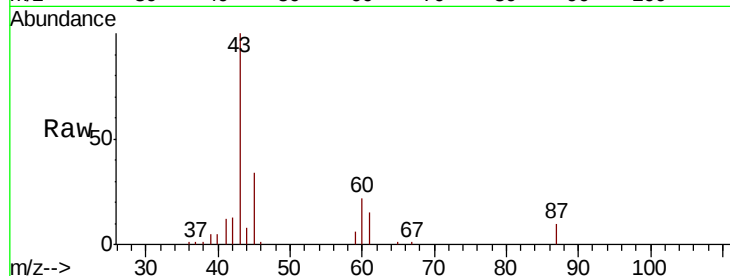
Tot Ion: 43 Resp: 82722

Ion Ratio Lower Upper

43 100

61 12.3 22.9 34.3#

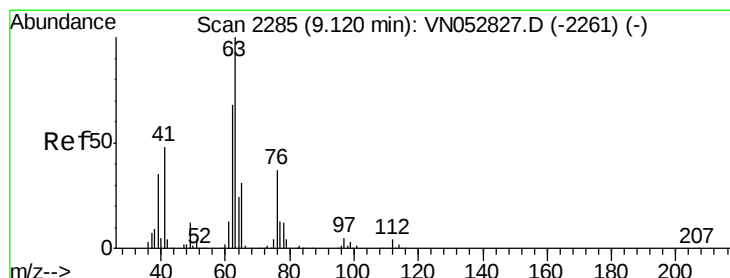
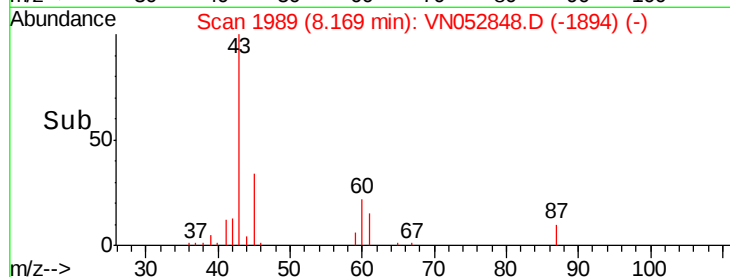
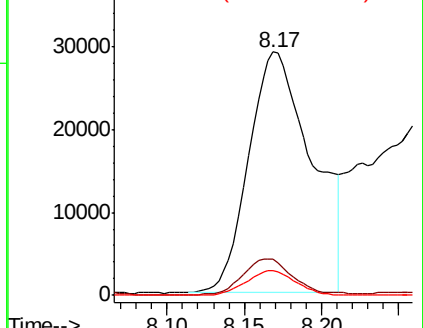
87 7.9 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#45

1,2-Dichloropropane

Concen: 0.254 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052848.D

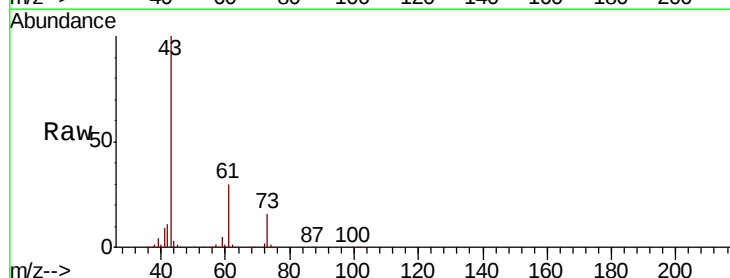
Acq: 13 Dec 2018 00:40

Tgt Ion: 63 Resp: 3305

Ion Ratio Lower Upper

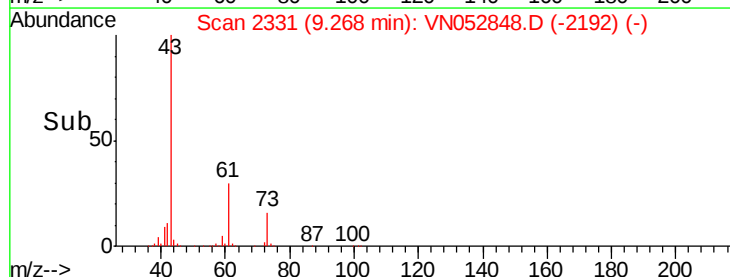
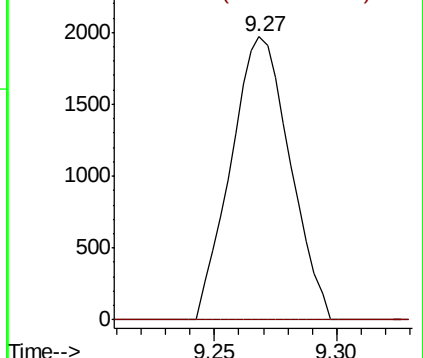
63 100

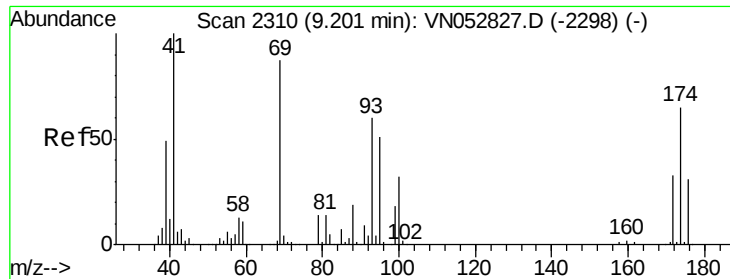
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN052827.D (-2261) (-)

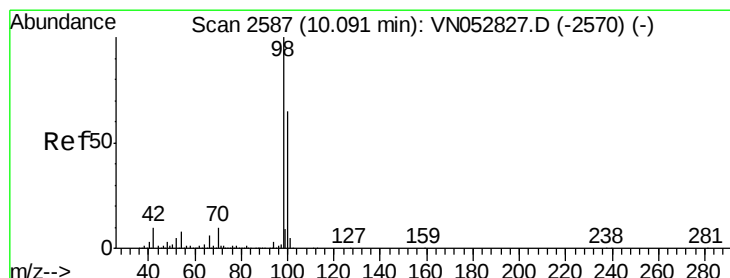
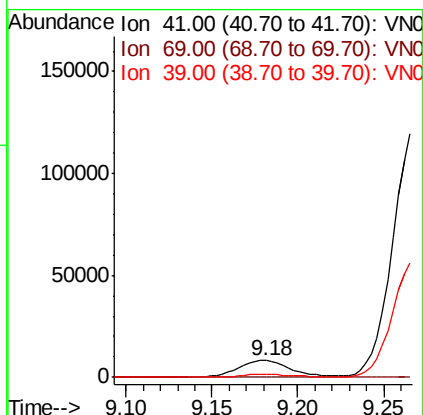
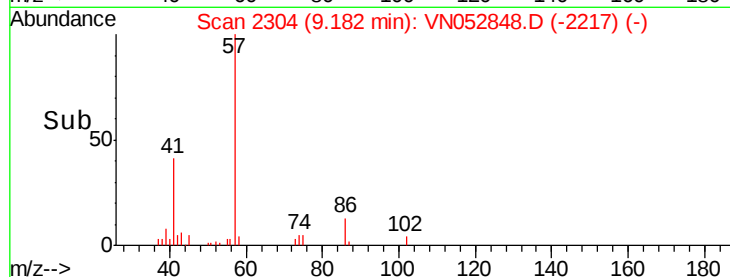
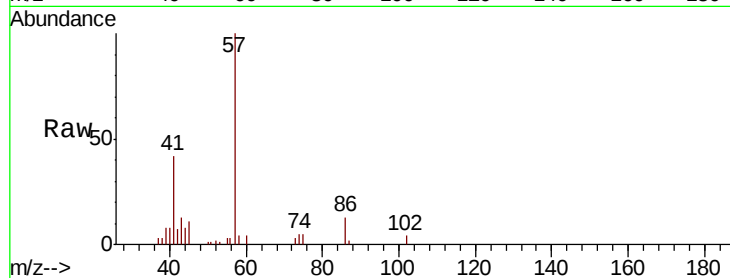




#48
Methvl methacrylate
Concen: 1.887 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

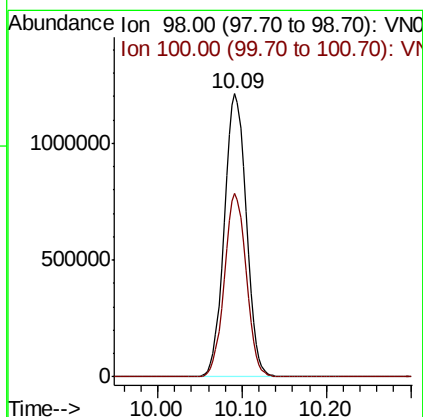
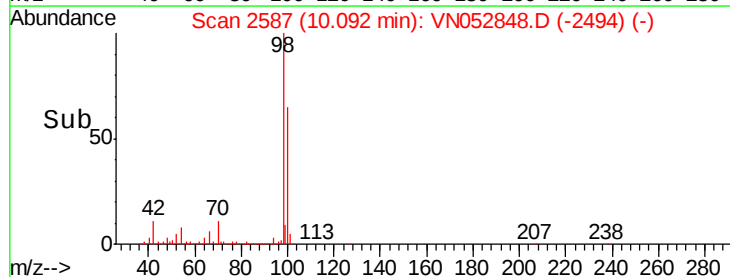
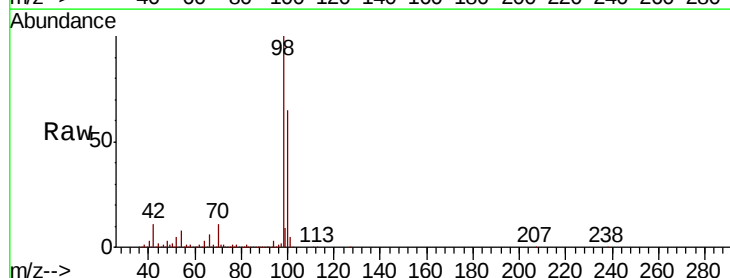
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#12

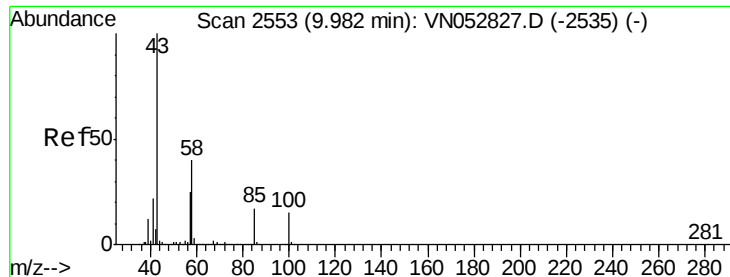
Tot Ion: 41 Resp: 16875
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

Tgt Ion: 98 Resp: 2197195
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.971 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

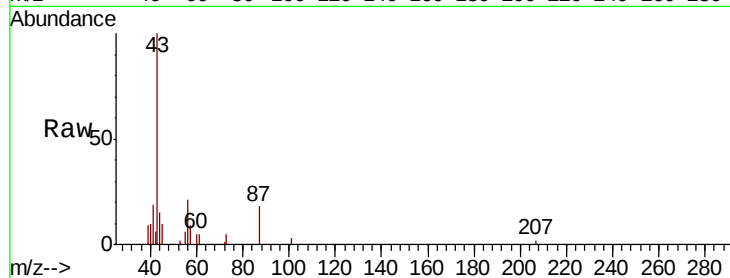
PB115564ZHE#12

Tot Ion: 43 Resp: 18427

Ion Ratio Lower Upper

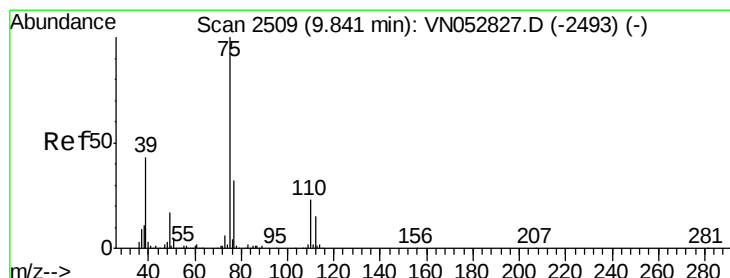
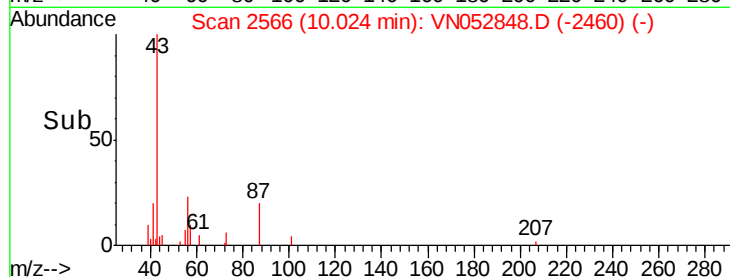
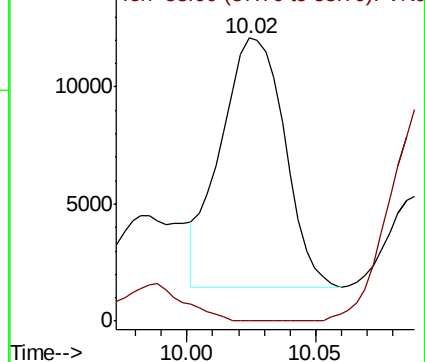
43 100

58 0.0 32.2 48.4#



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: 7.145 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

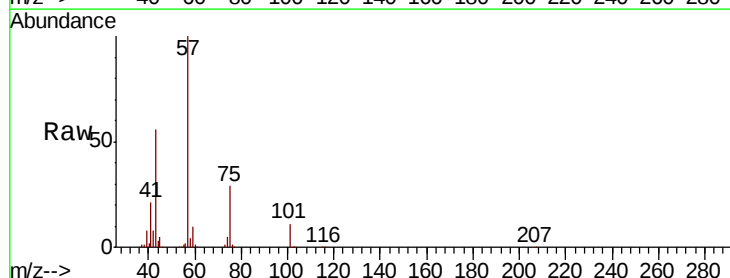
Tgt Ion: 75 Resp: 134111

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

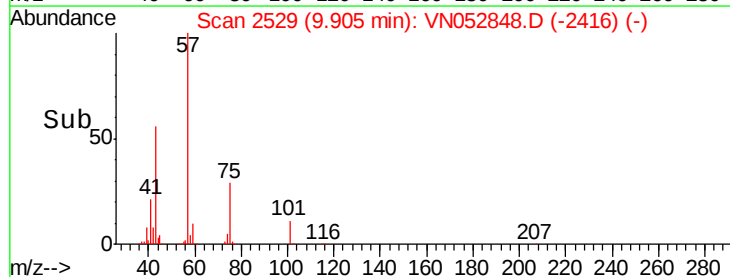
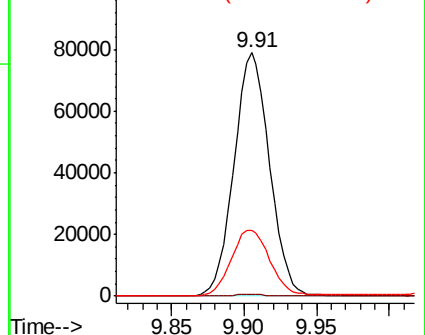
39 26.9 34.8 52.2#

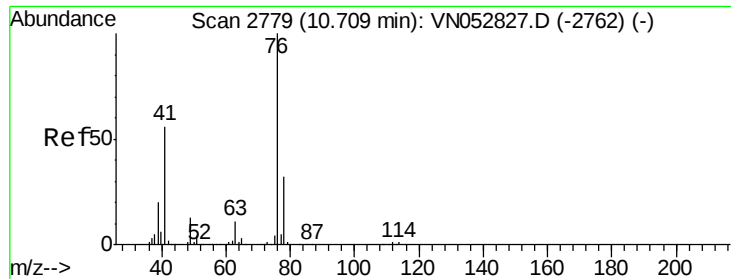


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

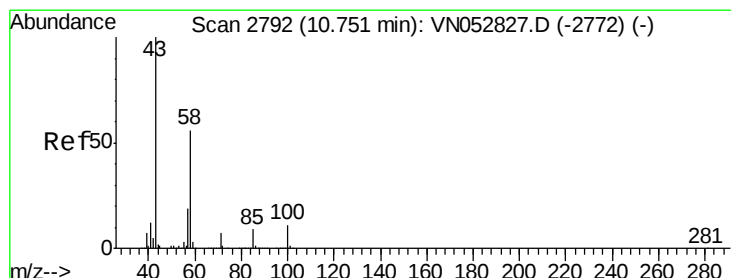
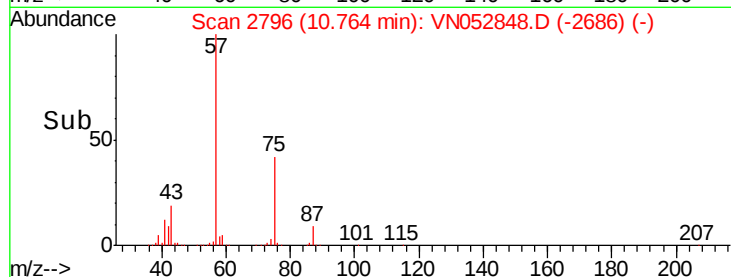
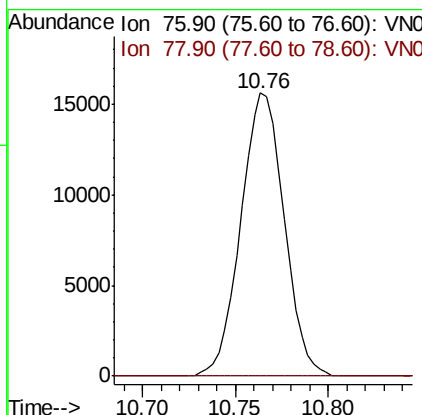
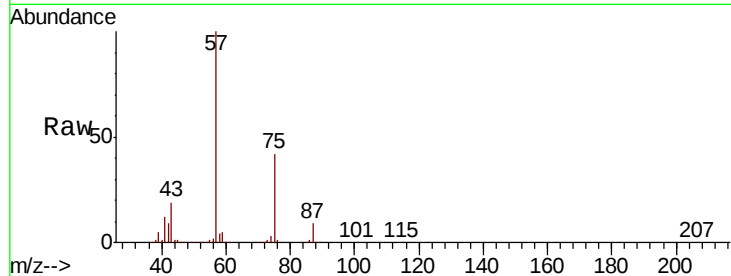




#57
 1,3-Dichloropropane
 Concen: 1.374 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

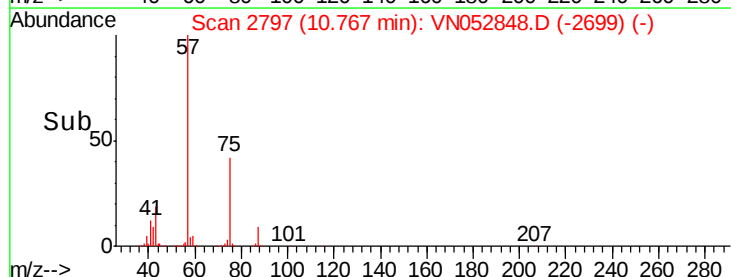
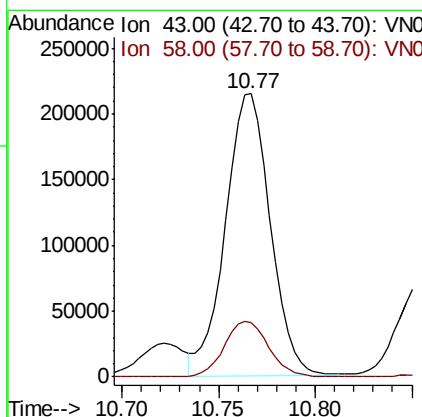
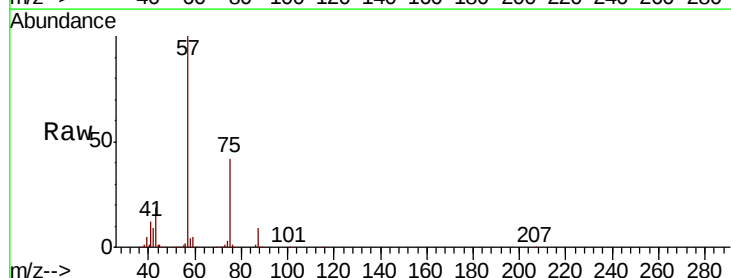
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#12

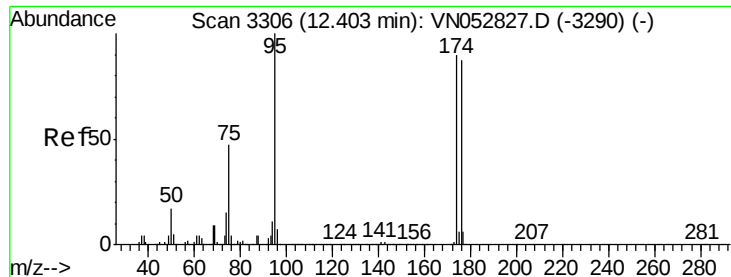
Tot Ion: 76 Resp: 25309
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 54.020 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.02 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Tgt Ion: 43 Resp: 346182
 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# 3306

Delta R.T. 0.00 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#12

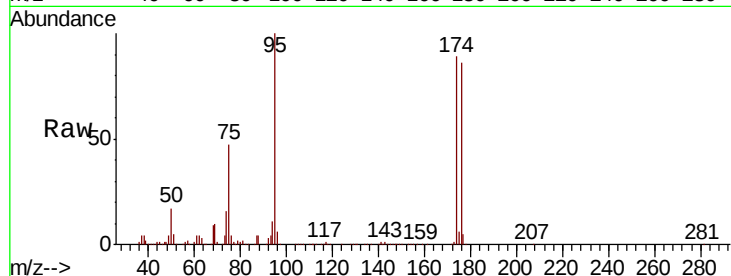
Tot Ion: 95 Resp: 724080

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.8

176 86.0 0.0 173.8



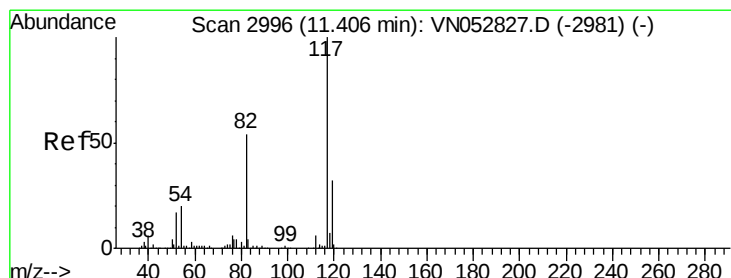
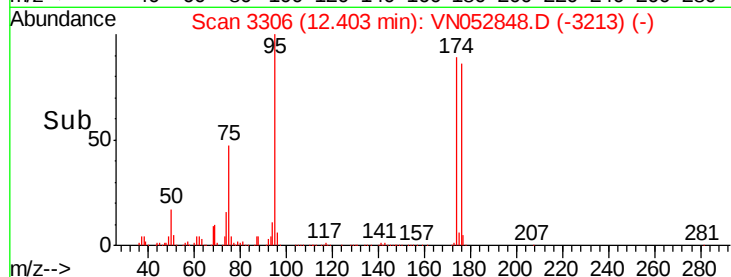
Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

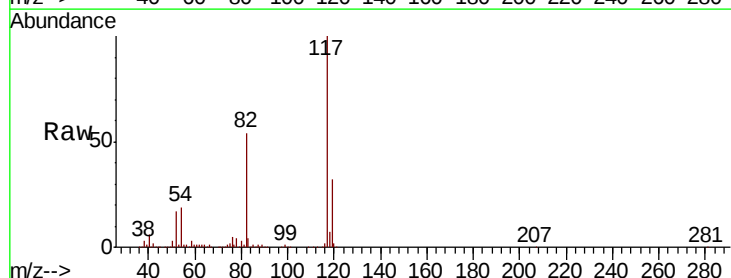
Tgt Ion: 117 Resp: 1623762

Ion Ratio Lower Upper

117 100

82 53.8 42.8 64.2

119 32.4 25.5 38.3



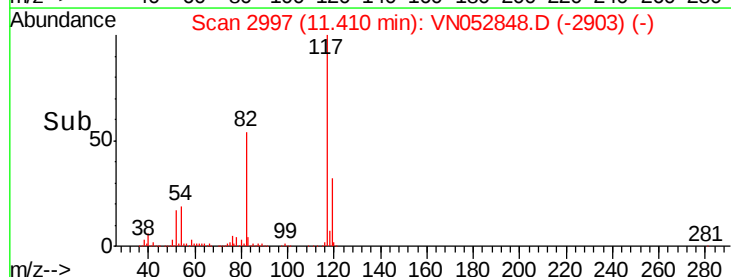
Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

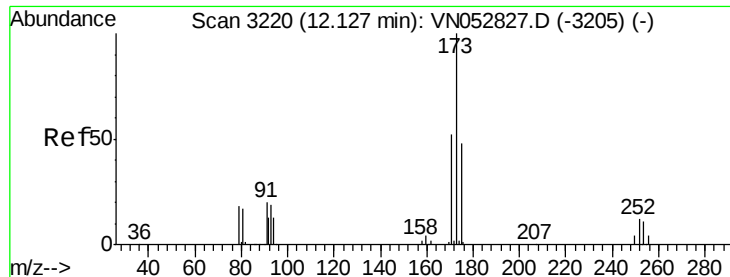
Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)

11.41

Time-->

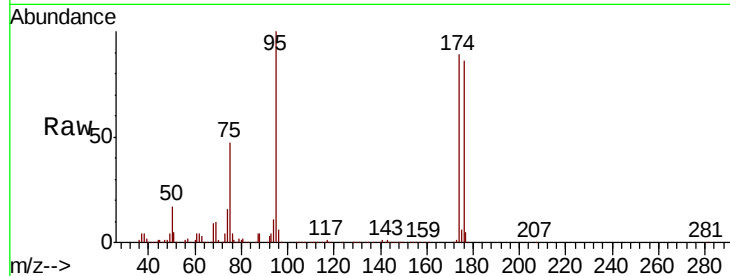




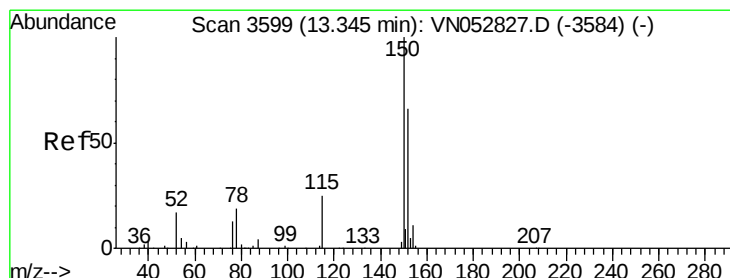
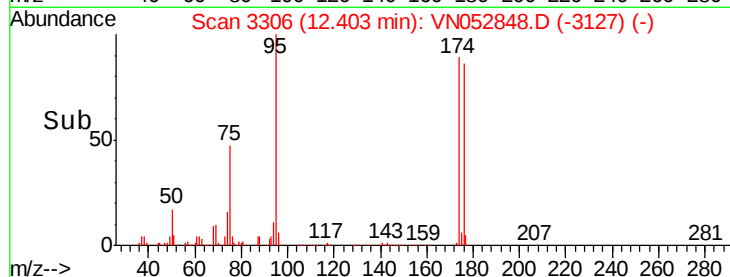
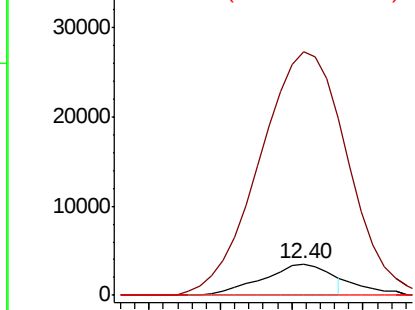
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#12

Tot Ion:173 Resp: 4633
Ion Ratio Lower Upper
173 100
175 853.1 24.3 72.9#
254 0.0 0.1 0.1#

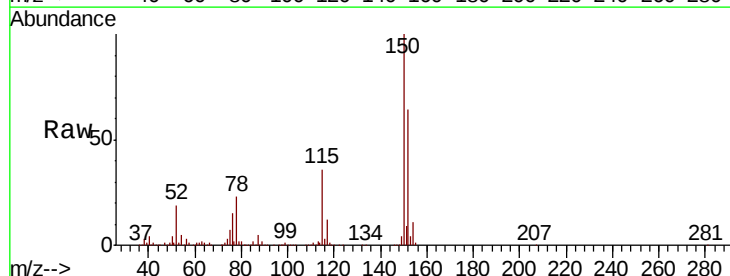


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

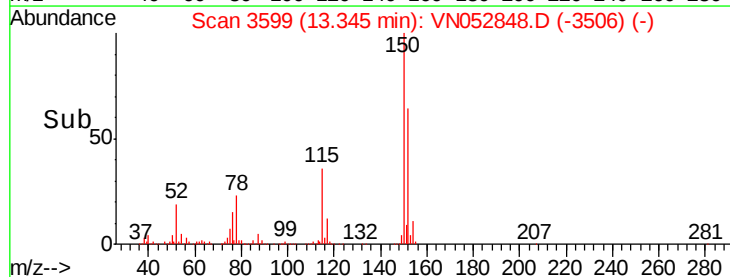
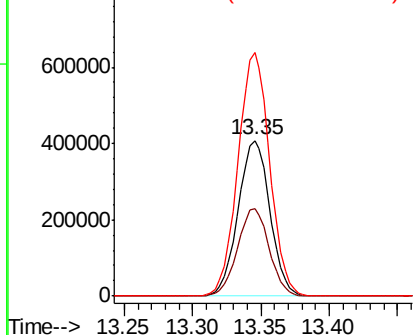


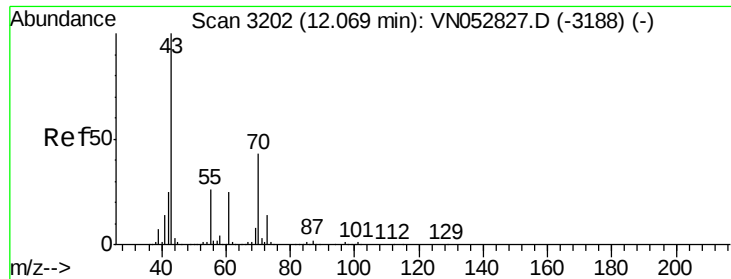
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052848.D
Acq: 13 Dec 2018 00:40

Tgt Ion:152 Resp: 659845
Ion Ratio Lower Upper
152 100
115 56.0 28.3 85.0
150 155.9 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-amvl acetate

Concen: 3.114 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052848.D

Acq: 13 Dec 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#12

Tot Ion: 43 Resp: 42120

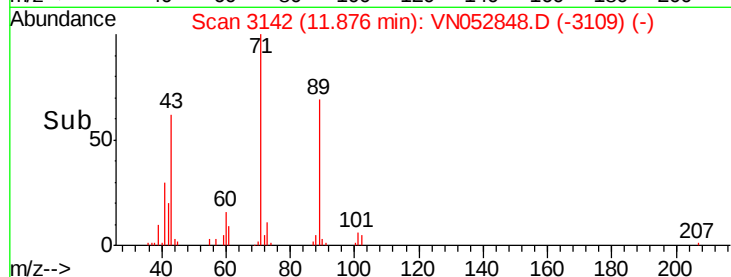
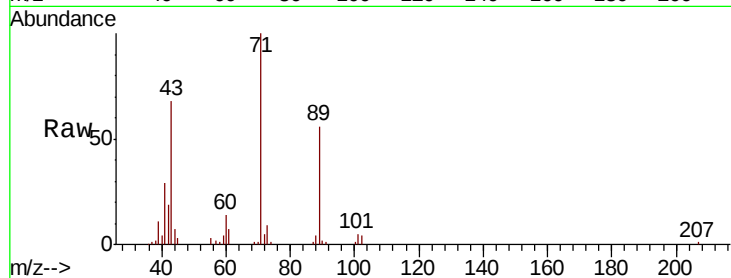
Ion Ratio Lower Upper

43 100

70 1.8 34.2 51.4#

55 5.0 20.3 30.5#

61 10.6 20.0 30.0#



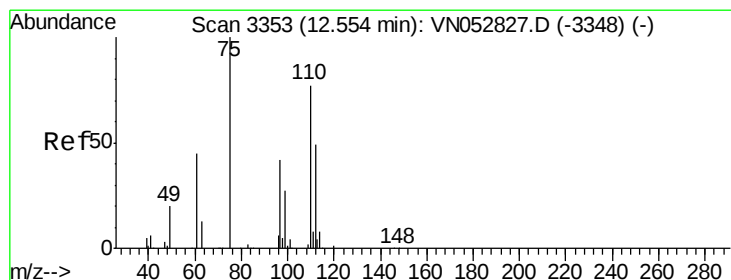
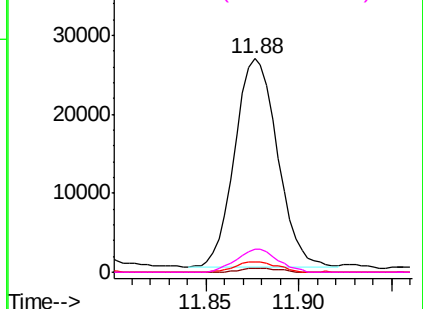
Abundance

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: 35.125 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052848.D

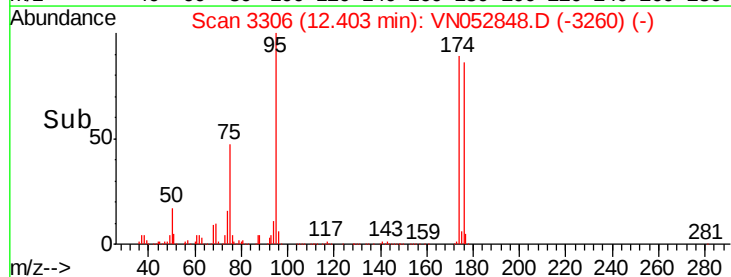
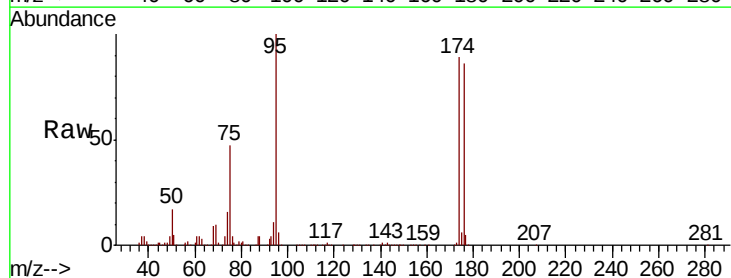
Acq: 13 Dec 2018 00:40

Tgt Ion: 75 Resp: 341947

Ion Ratio Lower Upper

75 100

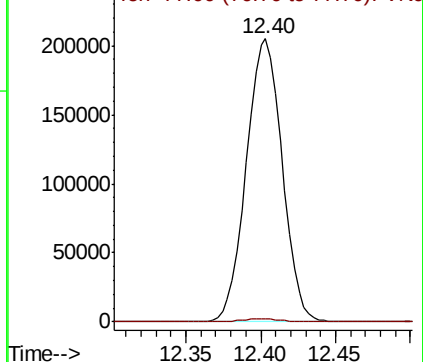
77 1.2 0.0 0.0#

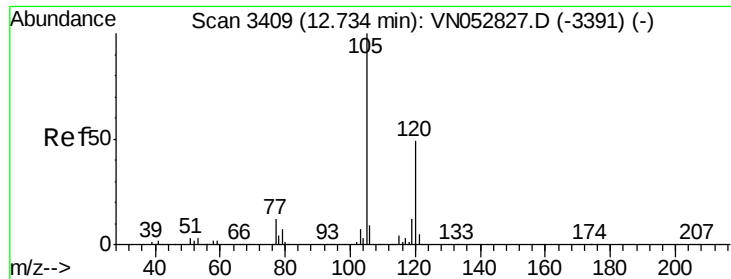


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

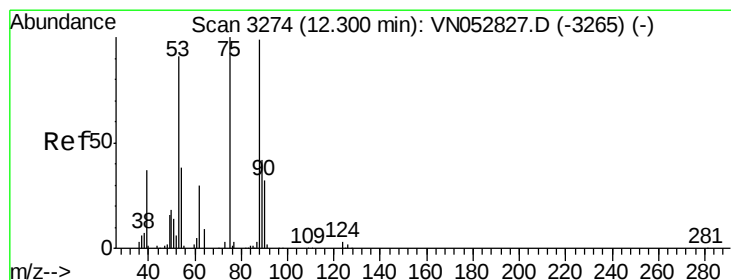
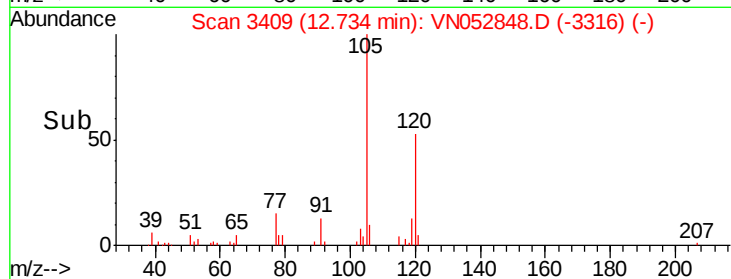
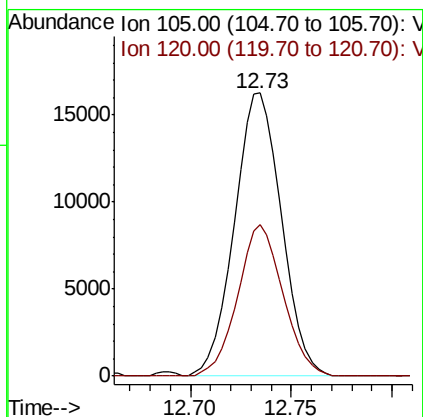
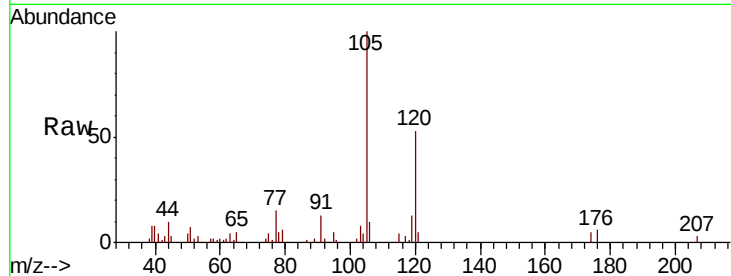




#80
 1,3,5-Trimethylbenzene
 Concen: 0.668 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#12

Tot Ion:105 Resp: 26554
 Ion Ratio Lower Upper
 105 100
 120 51.5 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.837 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052848.D
 Acq: 13 Dec 2018 00:40

Tgt Ion: 75 Resp: 341947
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#

