

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056768.D
 Acq On : 16 Jul 2019 14:59
 Operator : JC/SP
 Sample : PB121398ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121398ZHE#08

Quant Time: Jul 17 01:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	274878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	491360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	524925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193538	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	161974	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.59	113	144508	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.09	98	626263	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.40	95	227699	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	

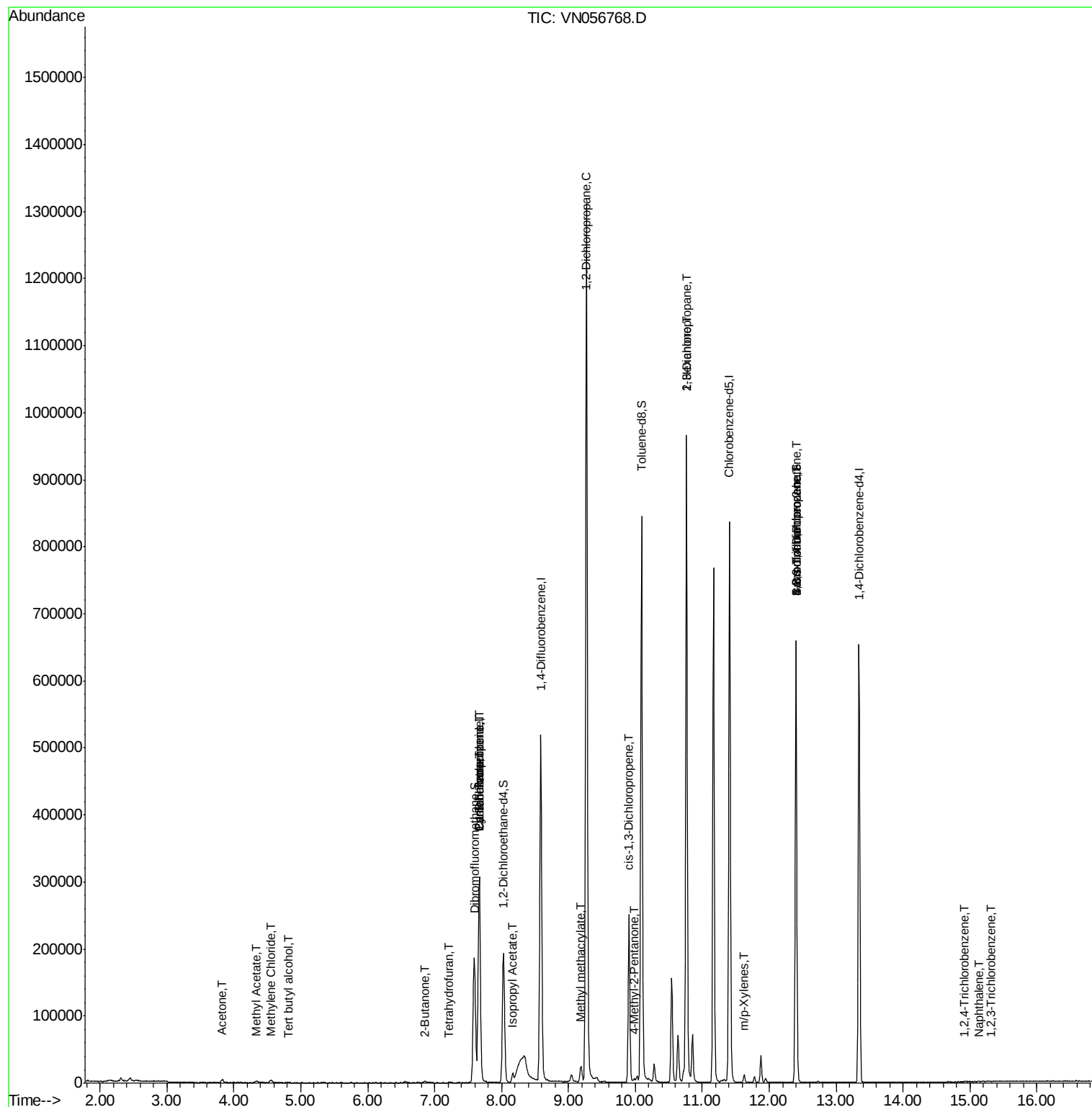
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	384	0.759	ug/l #	73
16) Acetone	3.82	43	8425	6.013	ug/l	90
18) Methyl Acetate	4.34	43	6190	1.013	ug/l #	82
20) Methylene Chloride	4.55	84	1921	0.627	ug/l #	91
25) 2-Butanone	6.85	43	2149	1.049	ug/l	96
29) Tetrahydrofuran	7.21	42	361	0.270	ug/l #	35
31) Cyclohexane	7.66	56	4288	0.882	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	18128	3.987	ug/l #	49
38) Carbon Tetrachloride	7.67	117	23861	5.596	ug/l #	16
43) Isopropyl Acetate	8.17	43	16925	2.402	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1595	0.431	ug/l #	45
48) Methyl methacrylate	9.18	41	8649	2.539	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	3492	0.765	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	47572	9.014	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	9990	1.763	ug/l #	42
59) 2-Hexanone	10.76	43	138135	42.190	ug/l #	52
68) m/p-Xylenes	11.63	106	3705	0.526	ug/l	99
71) Bromoform	12.40	173	1684	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	105676	24.965	ug/l #	100
79) 2-Chlorotoluene	12.58	91	134	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	105676	77.100	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	30	3.699	ug/l #	1
95) Naphthalene	15.13	128	548	4.574	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	92	3.346	ug/l #	68

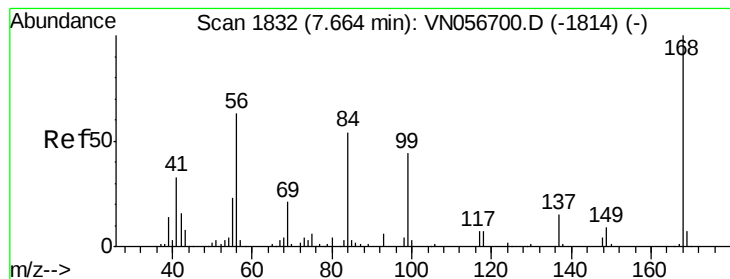
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

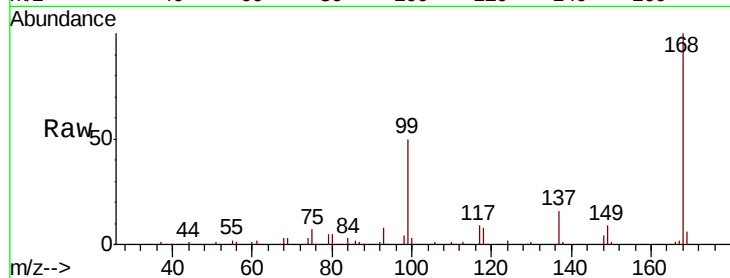
PB121398ZHE#08

Tot Ion:168 Resp: 274878

Ion Ratio Lower Upper

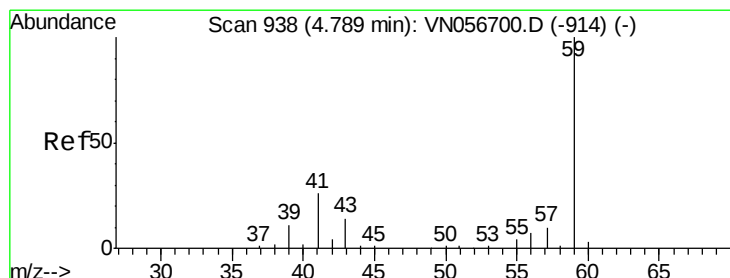
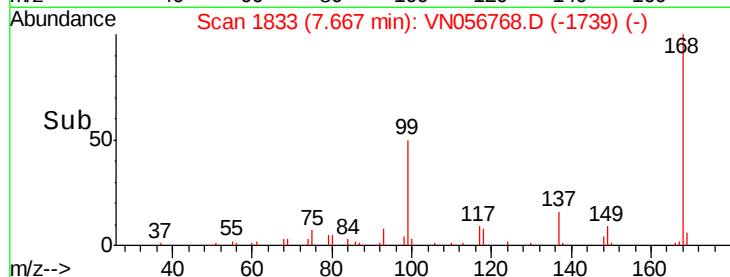
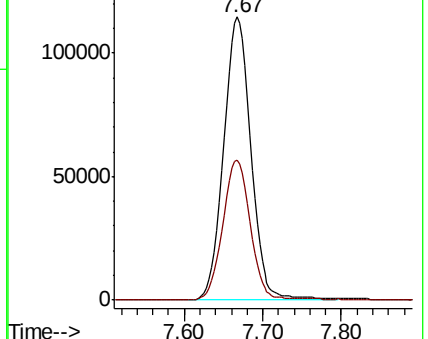
168 100

99 49.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.759 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.02 min

Lab File: VN056768.D

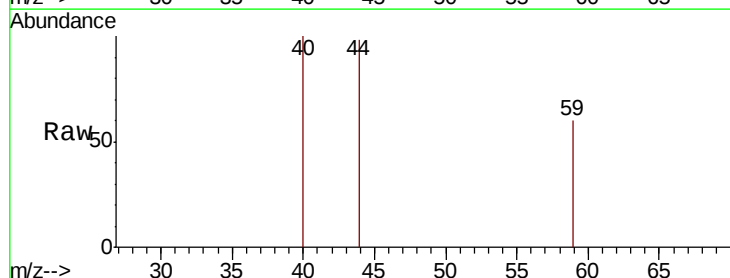
Acq: 16 Jul 2019 14:59

Tgt Ion: 59 Resp: 384

Ion Ratio Lower Upper

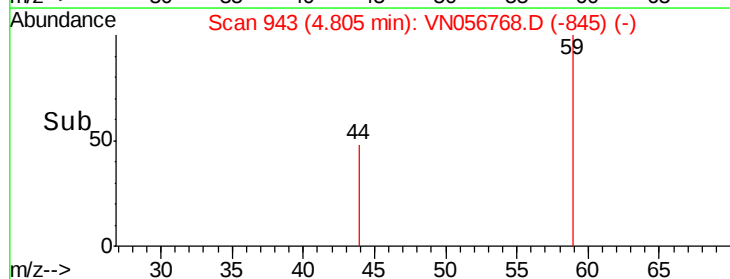
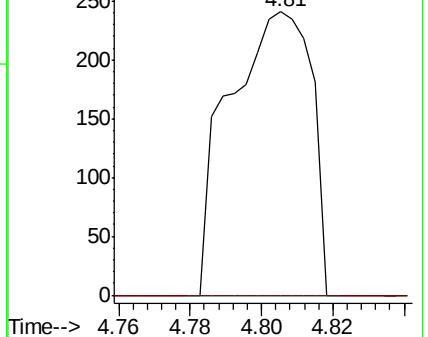
59 100

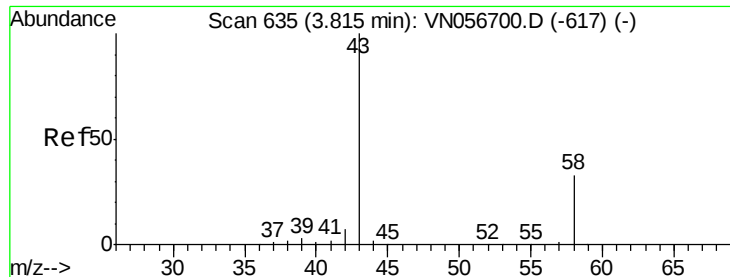
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 6.013 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

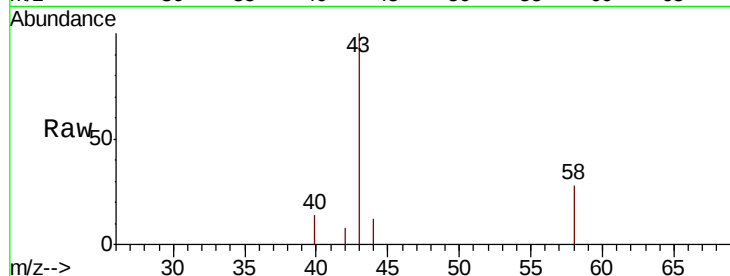
PB121398ZHE#08

Tot Ion: 43 Resp: 8425

Ion Ratio Lower Upper

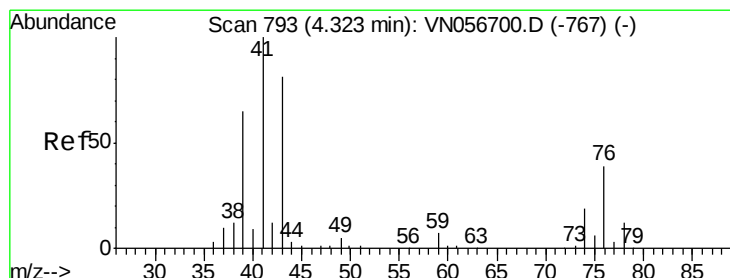
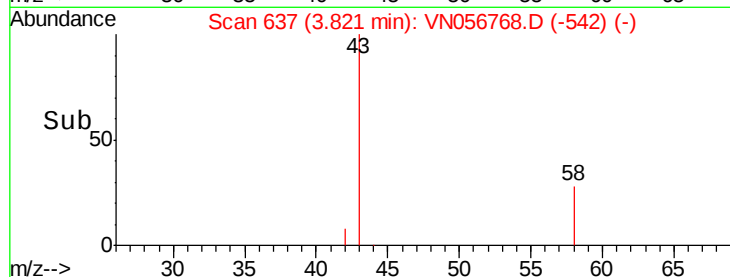
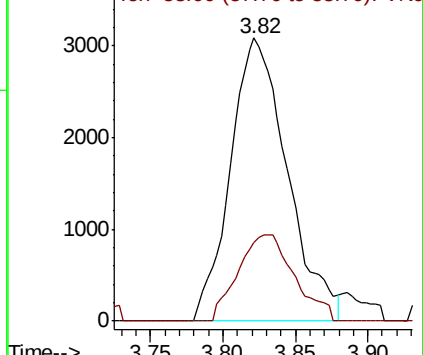
43 100

58 27.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.013 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056768.D

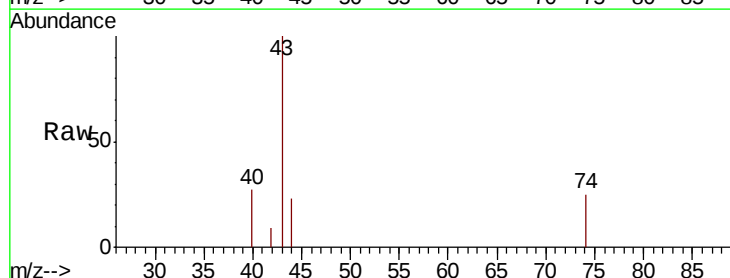
Acq: 16 Jul 2019 14:59

Tgt Ion: 43 Resp: 6190

Ion Ratio Lower Upper

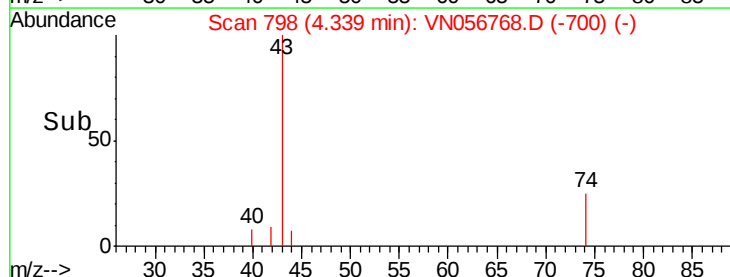
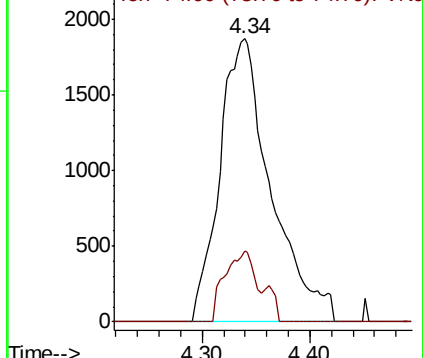
43 100

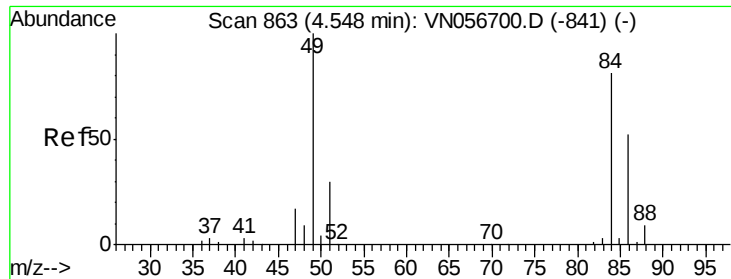
74 14.8 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

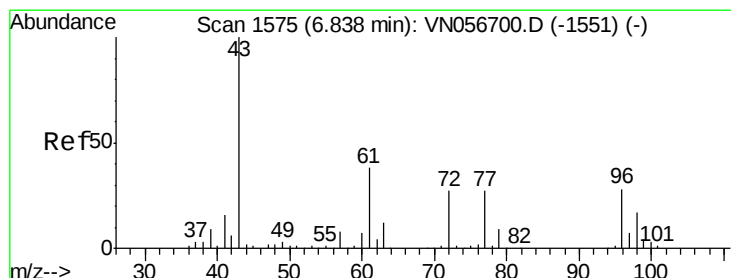
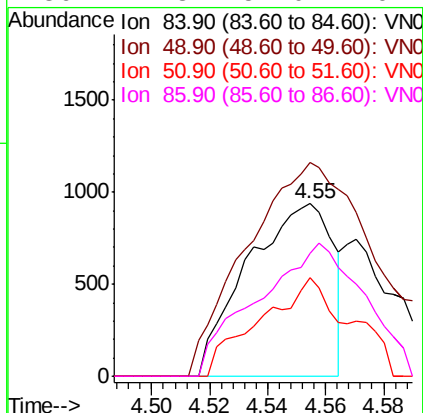
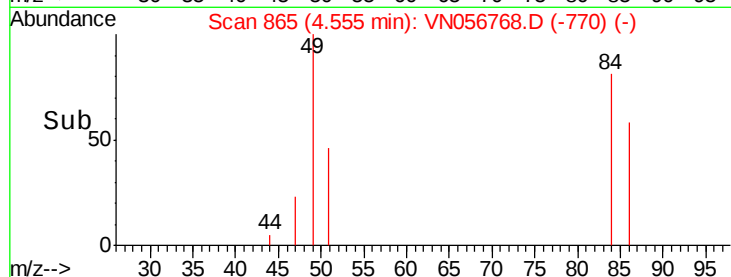
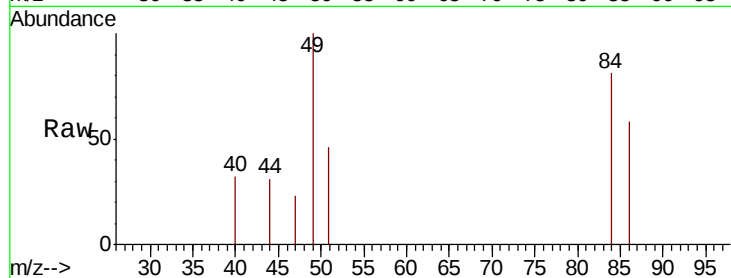




#20
Methvlene Chloride
Concen: 0.627 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

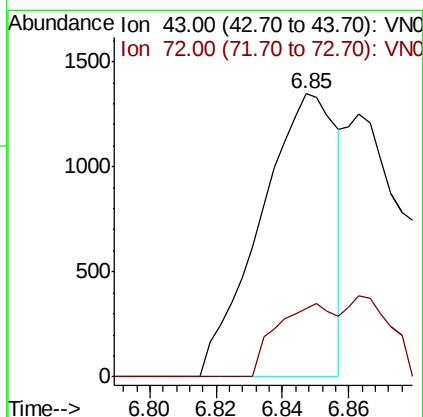
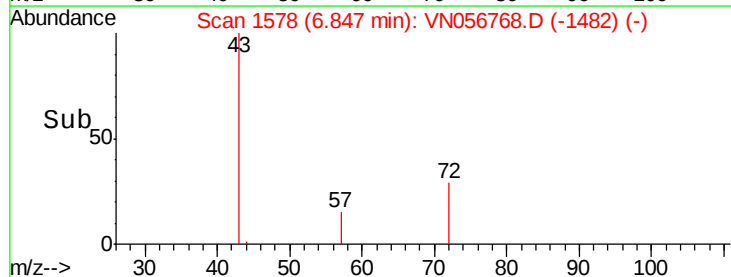
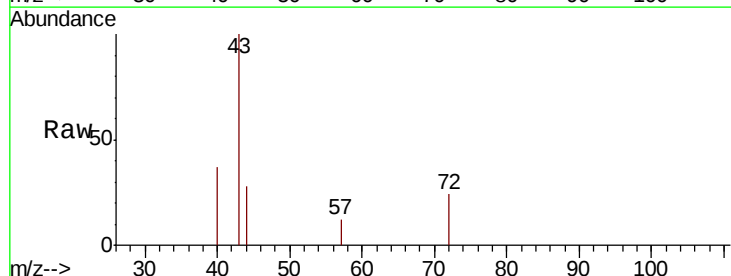
Instrument :
MSVOA_N
ClientSampleId :
PB121398ZHE#08

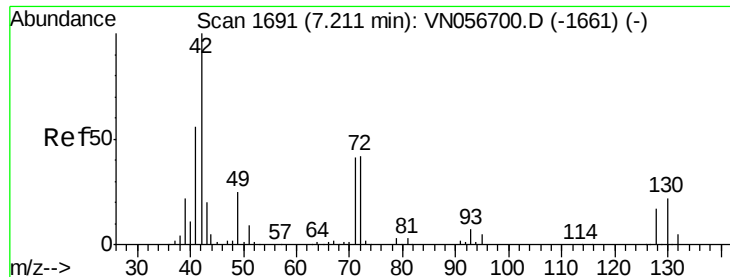
Tot Ion: 84 Resp: 1921
Ion Ratio Lower Upper
84 100
49 123.9 98.2 147.4
51 57.5 29.6 44.4#
86 71.3 51.0 76.4



#25
2-Butanone
Concen: 1.049 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
72 24.2 21.2 31.8

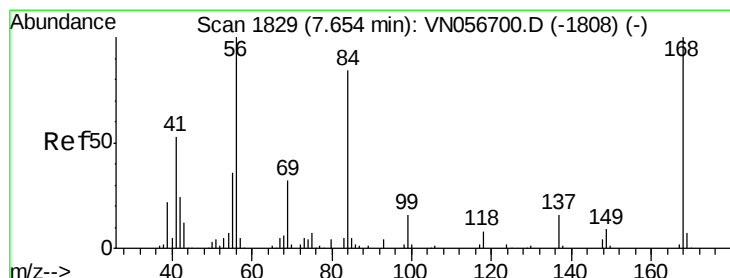
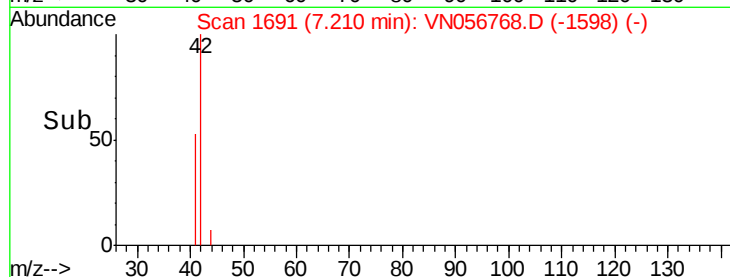
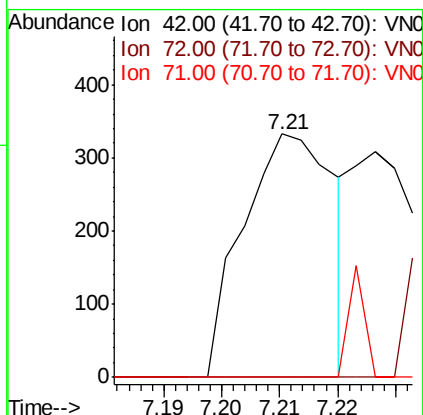
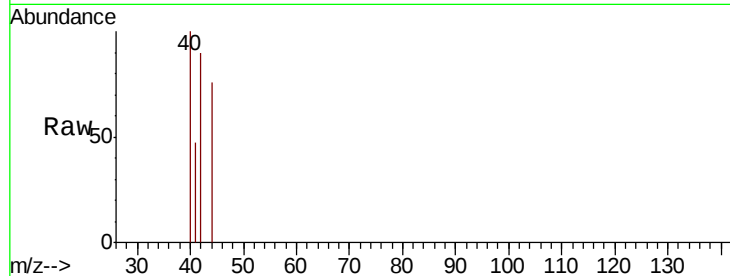




#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

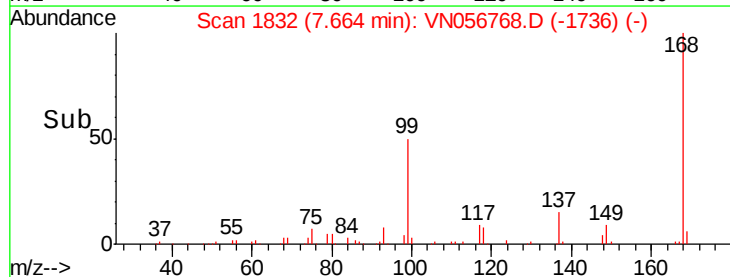
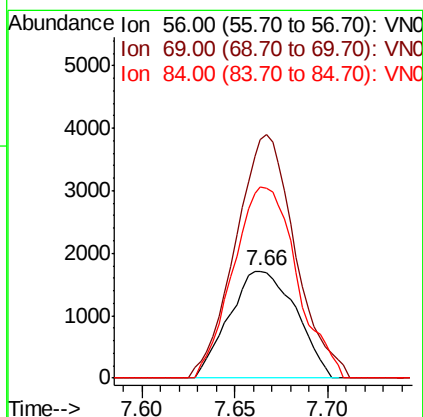
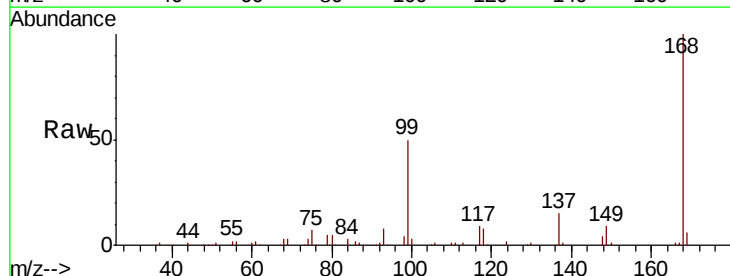
Instrument :
MSVOA_N
ClientSampleId :
PB121398ZHE#08

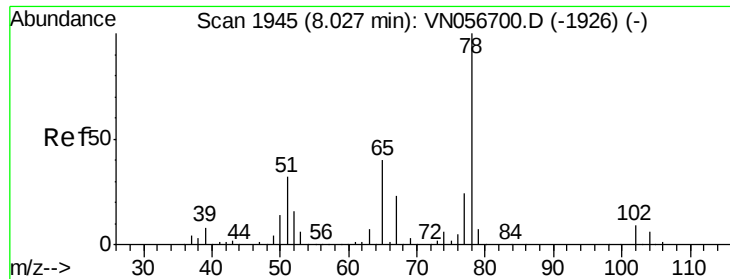
Tot Ion: 42 Resp: 361
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 0.0 31.8 47.8#



#31
Cyclohexane
Concen: 0.882 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 223.2 25.8 38.8#
84 178.0 67.4 101.0#

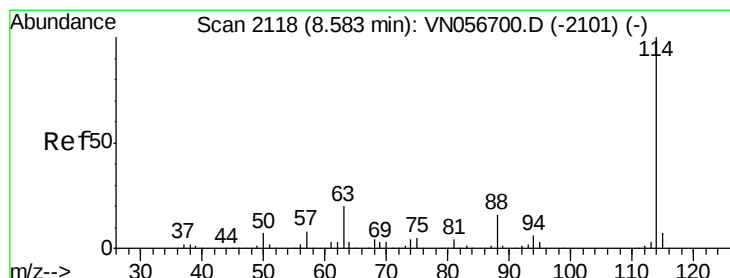
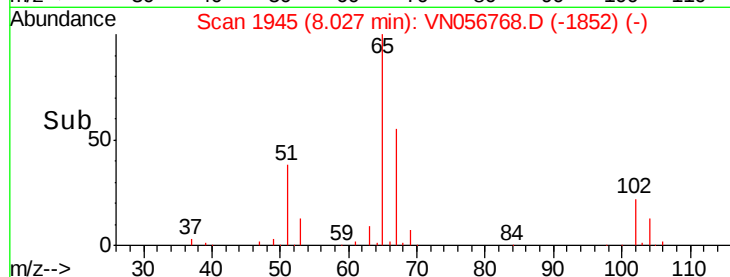
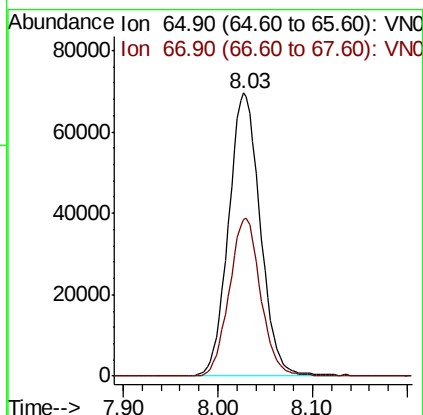
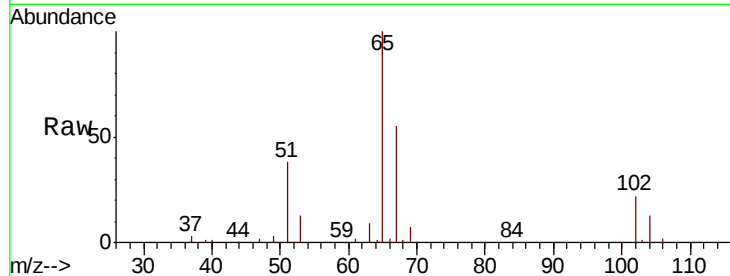




#33
 1,2-Dichloroethane-d4
 Concen: 53.272 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056768.D
 Acq: 16 Jul 2019 14:59

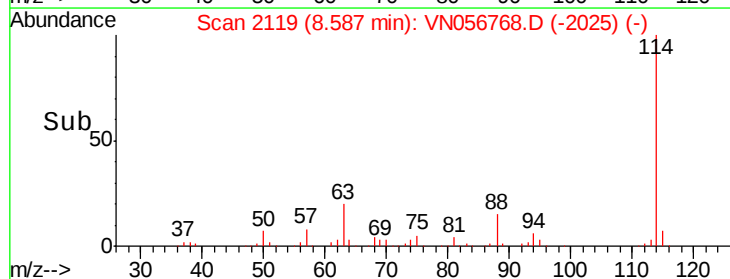
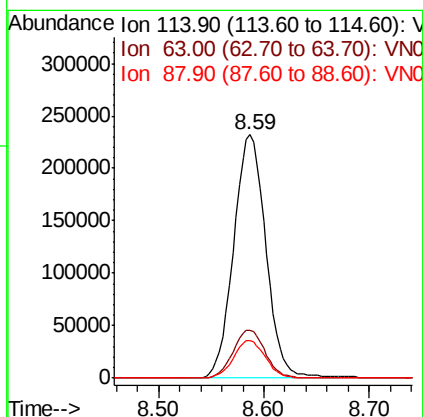
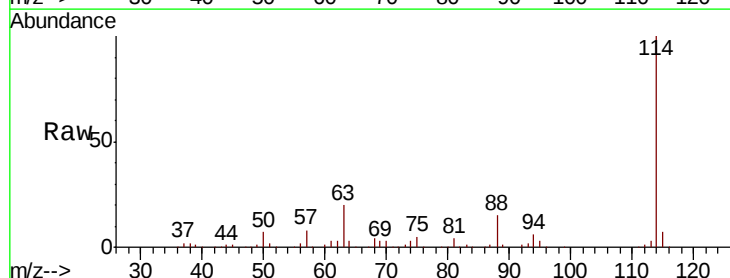
Instrument :
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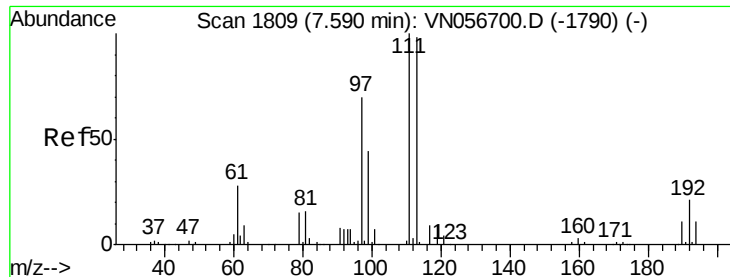
Tot Ion: 65 Resp: 161974
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056768.D
 Acq: 16 Jul 2019 14:59

Tgt Ion: 114 Resp: 491360
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.258 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

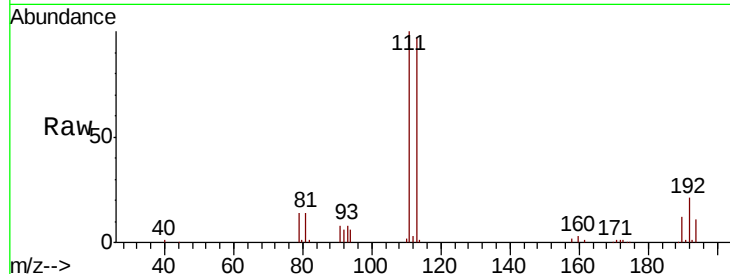
Tot Ion:113 Resp: 144508

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

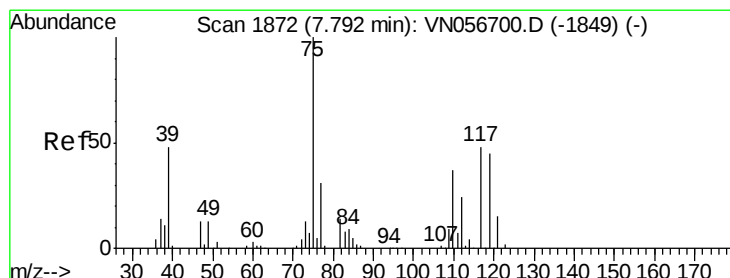
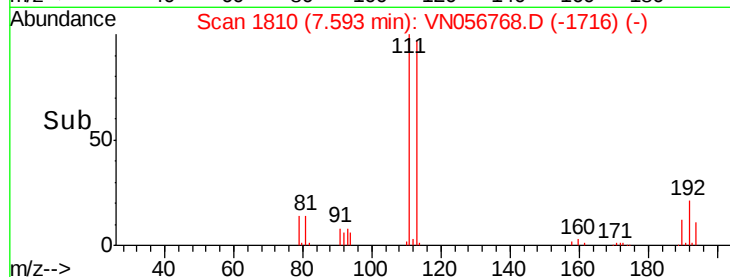
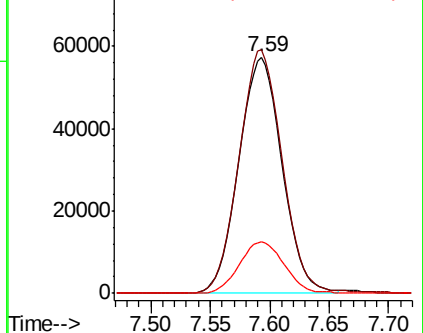
192 22.6 17.5 26.3



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: 3.987 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

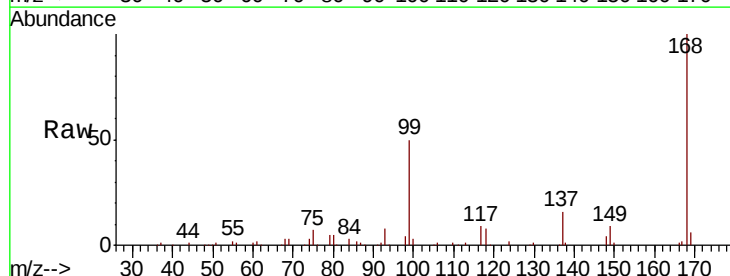
Tgt Ion: 75 Resp: 18128

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.4#

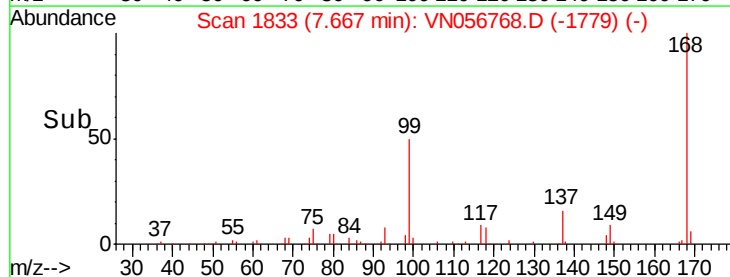
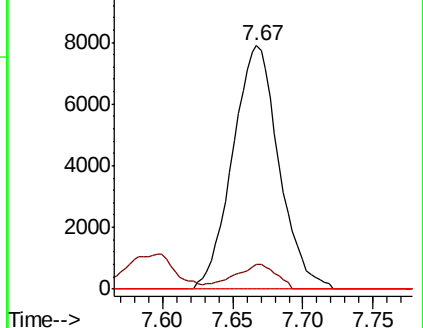
77 0.0 24.6 36.8#

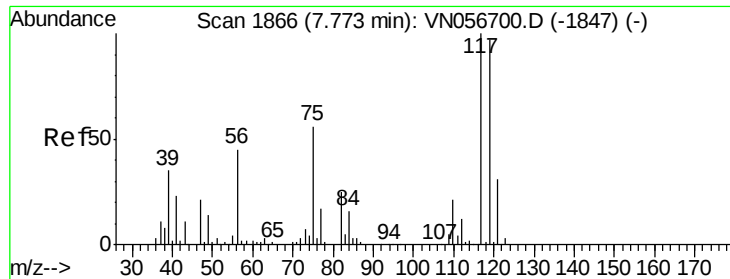


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.596 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

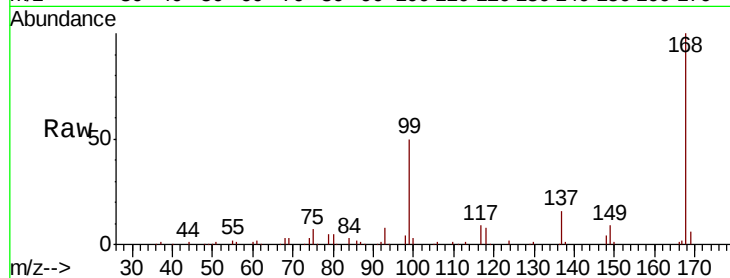
Tot Ion:117 Resp: 23861

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

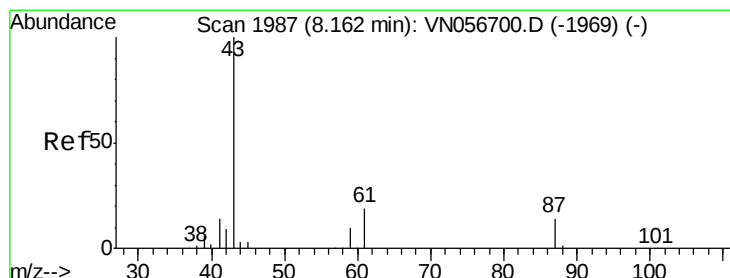
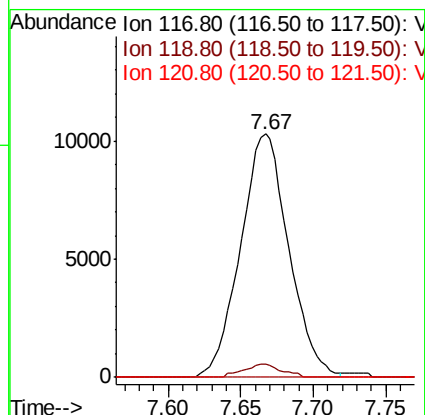
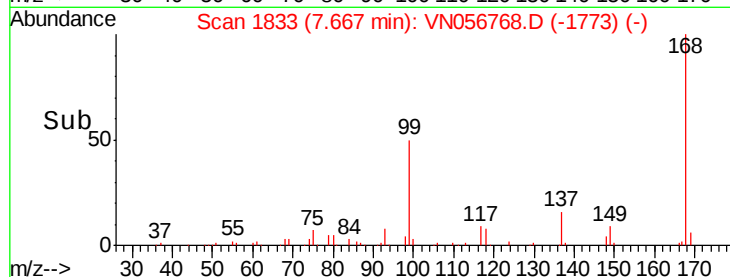
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.402 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

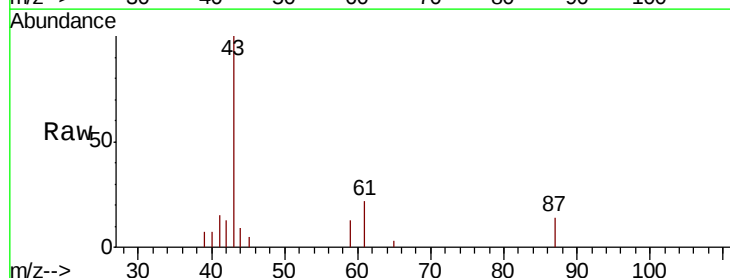
Tgt Ion: 43 Resp: 16925

Ion Ratio Lower Upper

43 100

61 21.8 22.3 33.5#

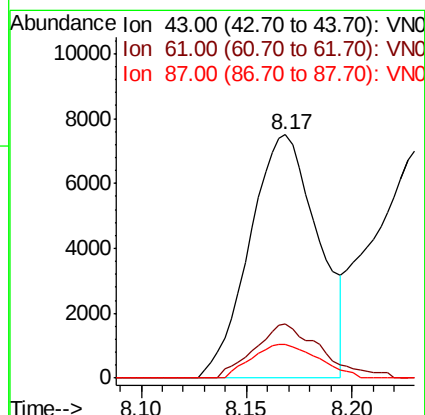
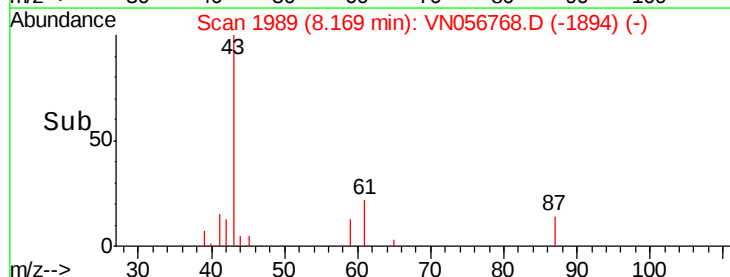
87 13.4 11.1 16.7

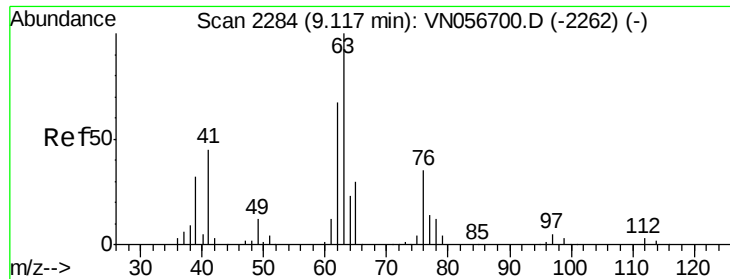


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

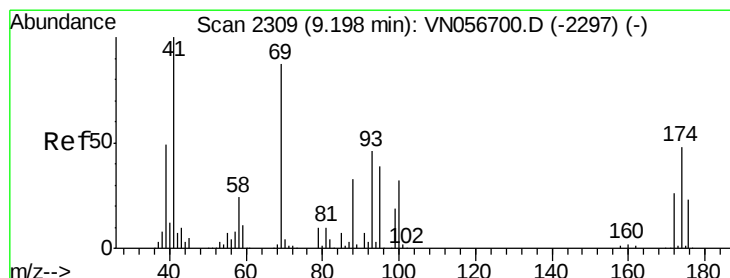
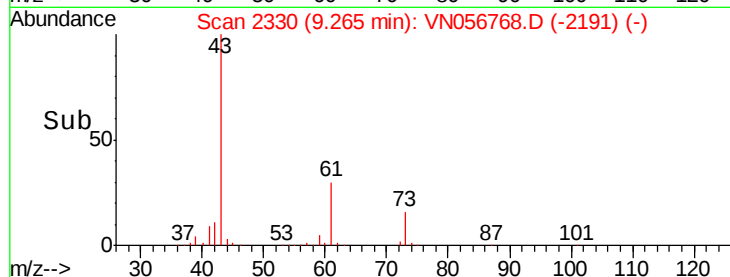
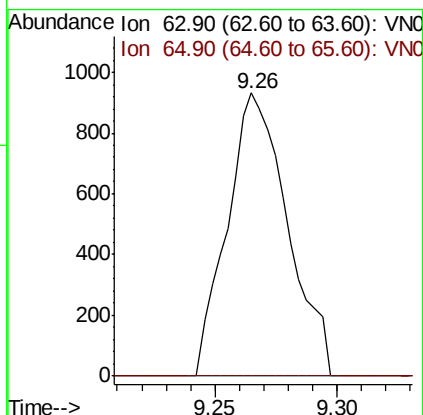
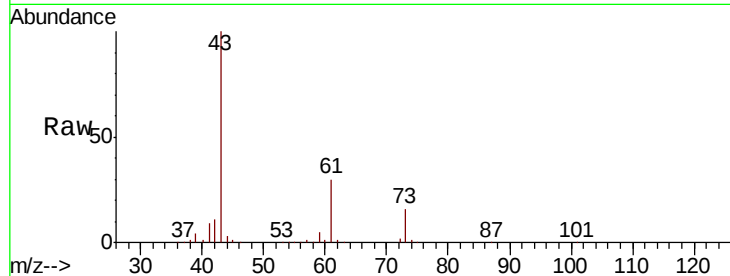




#45
 1,2-Dichloropropane
 Concen: 0.431 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN056768.D
 Acq: 16 Jul 2019 14:59

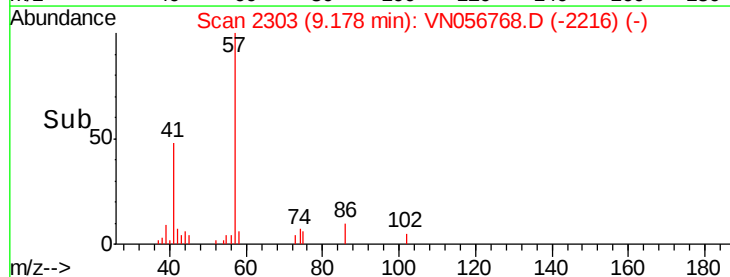
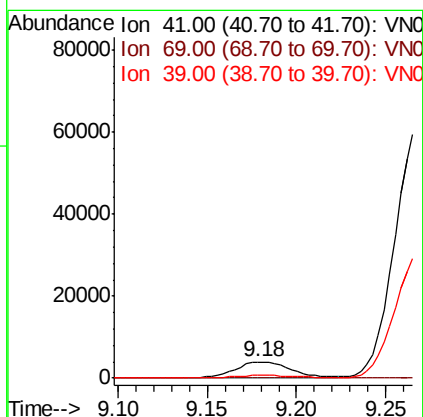
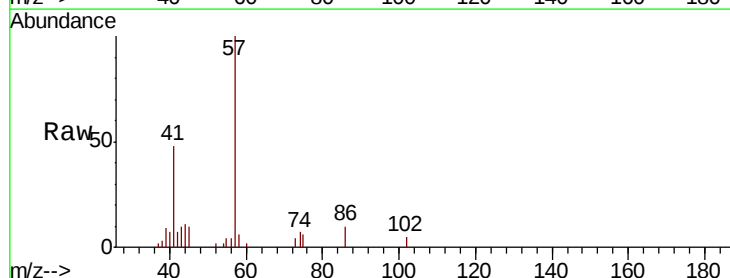
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121398ZHE#08

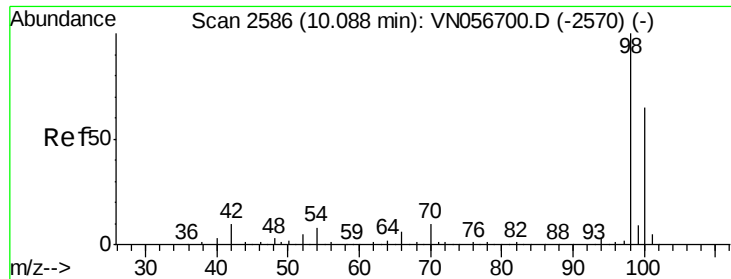
Tot Ion: 63 Resp: 1595
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#



#48
 Methyl methacrylate
 Concen: 2.539 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN056768.D
 Acq: 16 Jul 2019 14:59

Tgt Ion: 41 Resp: 8649
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.4 107.0#
 39 0.0 41.2 61.8#





#50

Toluene-d8

Concen: 53.028 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

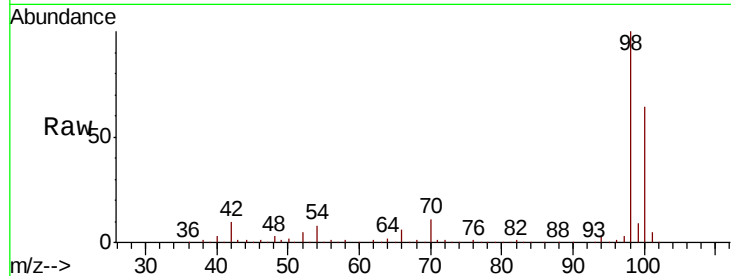
PB121398ZHE#08

Tot Ion: 98 Resp: 626263

Ion Ratio Lower Upper

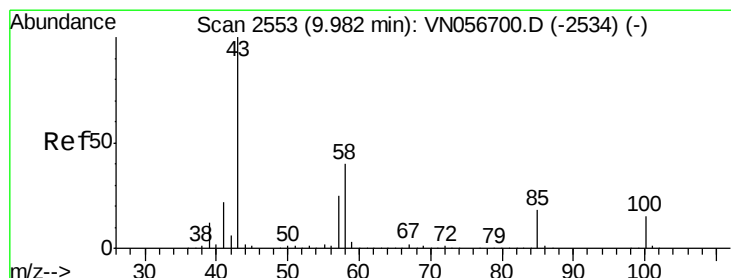
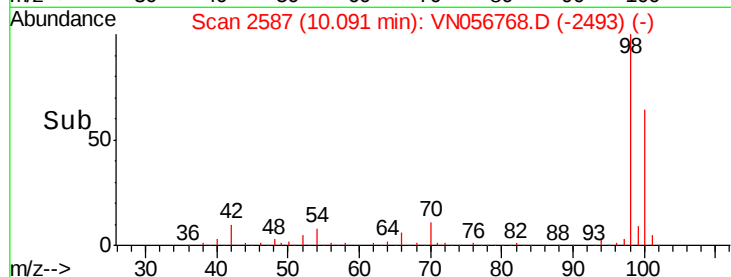
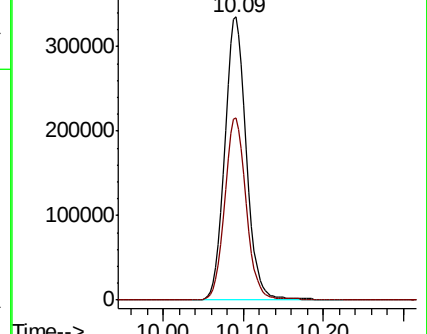
98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.765 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056768.D

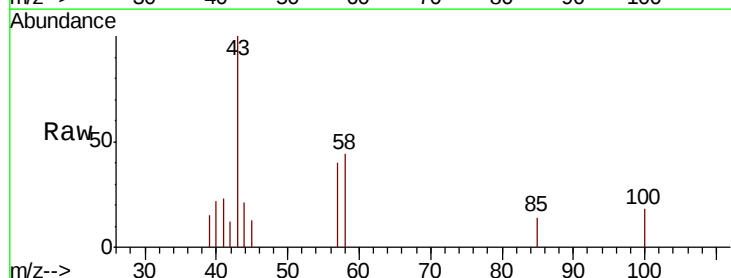
Acq: 16 Jul 2019 14:59

Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

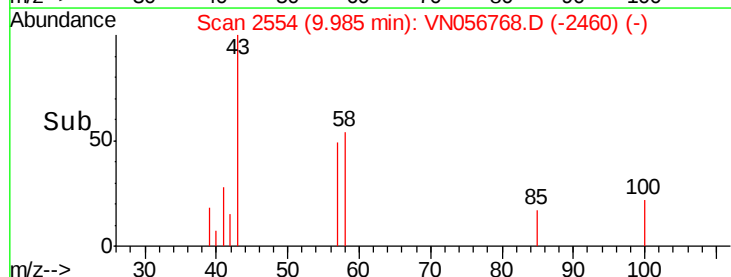
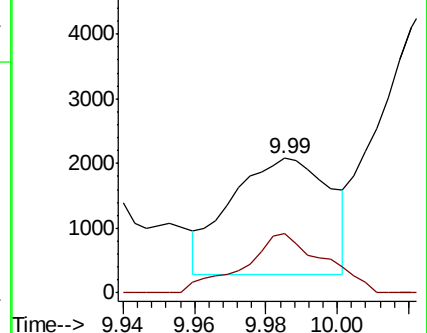
43 100

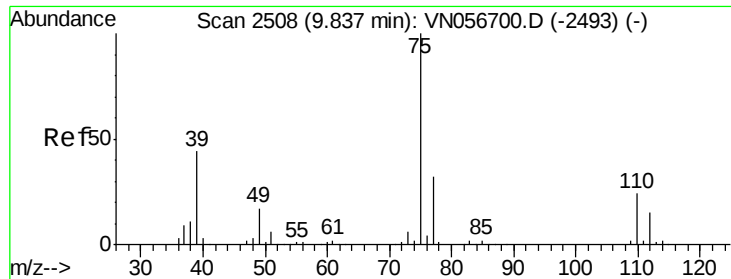
58 40.9 32.0 48.0



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: 9.014 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

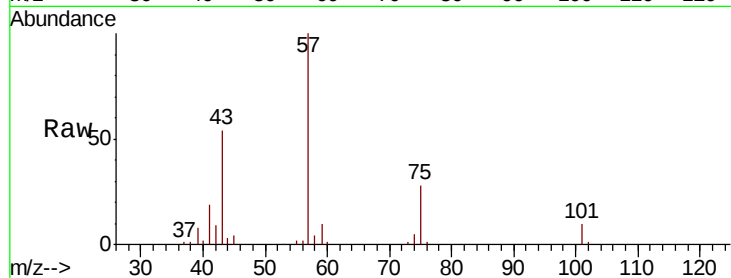
Tot Ion: 75 Resp: 47572

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

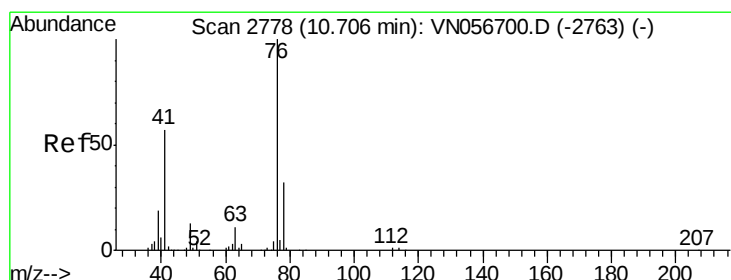
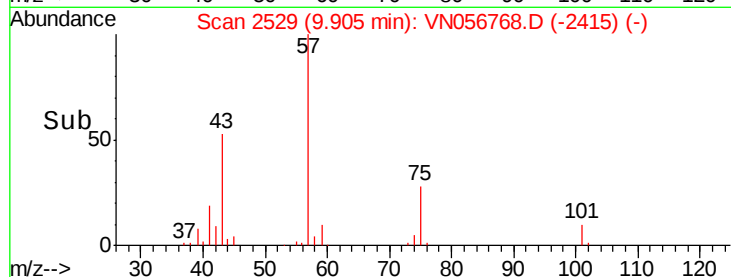
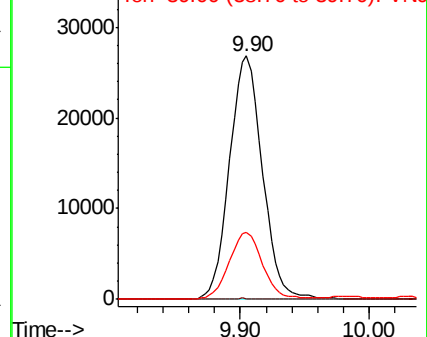
39 27.7 35.1 52.7#



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: 1.763 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056768.D

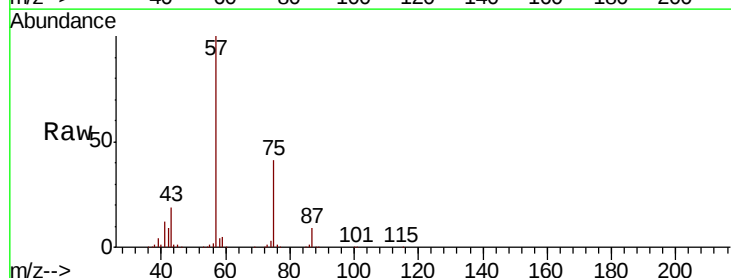
Acq: 16 Jul 2019 14:59

Tgt Ion: 76 Resp: 9990

Ion Ratio Lower Upper

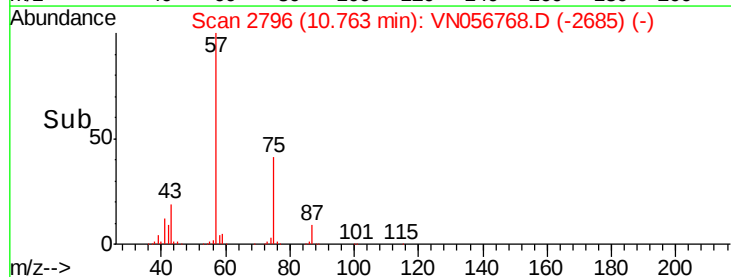
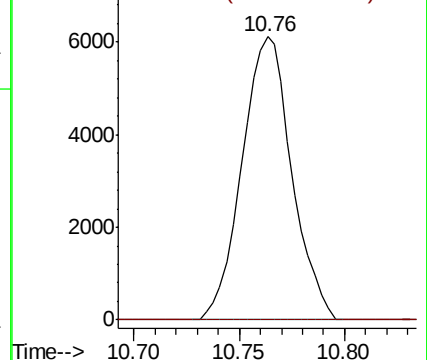
76 100

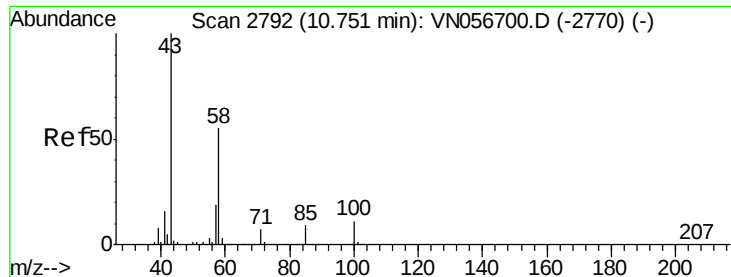
78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

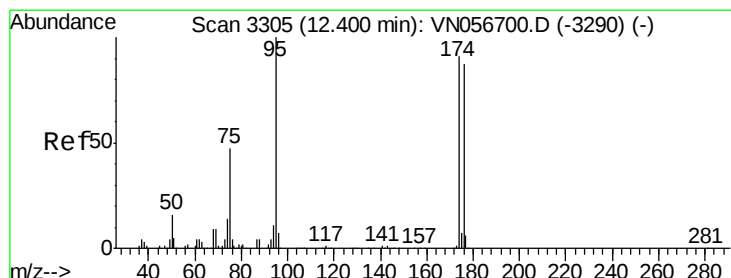
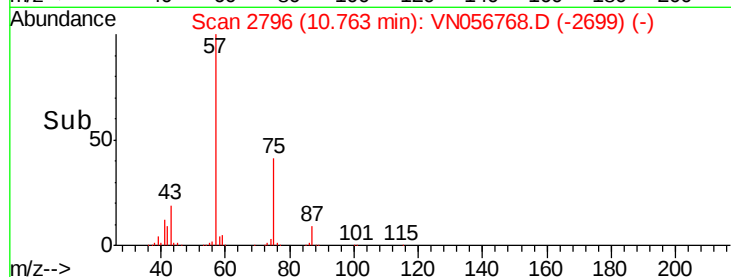
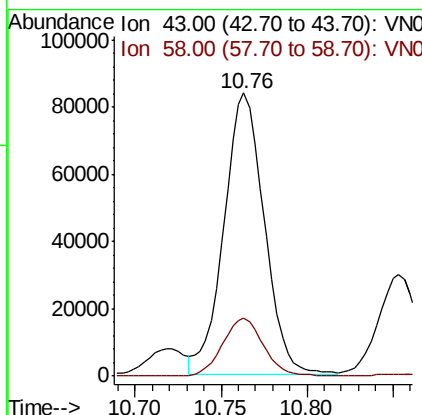
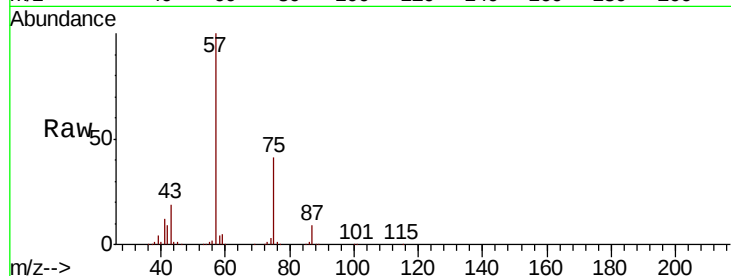




#59
2-Hexanone
Concen: 42.190 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

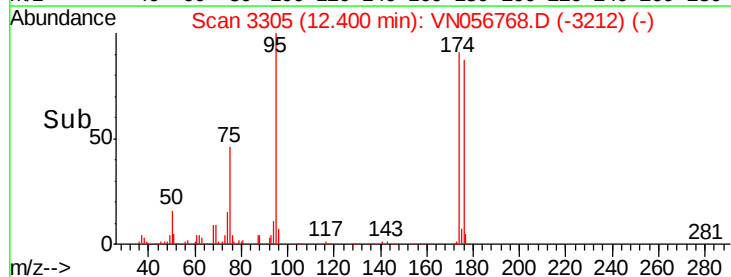
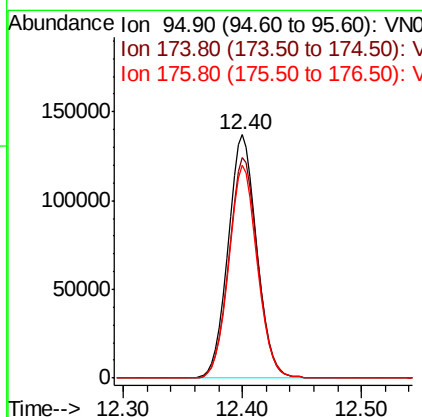
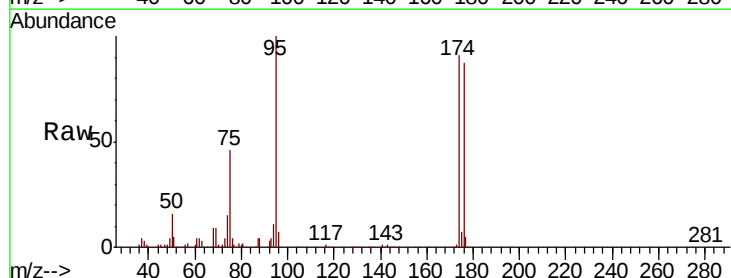
Instrument :
MSVOA_N
ClientSampleId :
PB121398ZHE#08

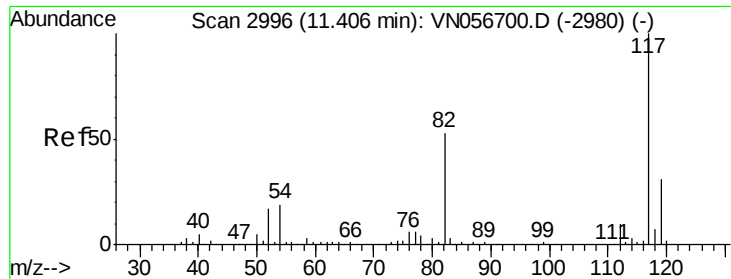
Tot Ion: 43 Resp: 138135
Ion Ratio Lower Upper
43 100
58 21.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 57.171 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

Tgt Ion: 95 Resp: 227699
Ion Ratio Lower Upper
95 100
174 91.2 0.0 180.0
176 87.1 0.0 173.2

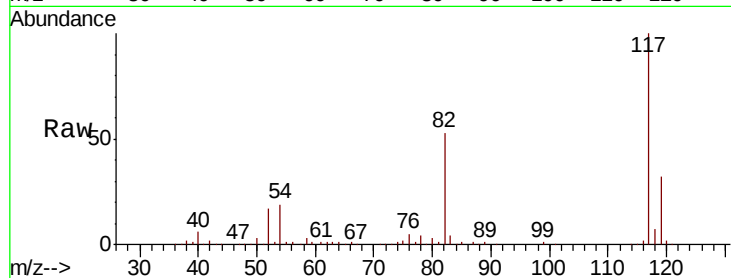




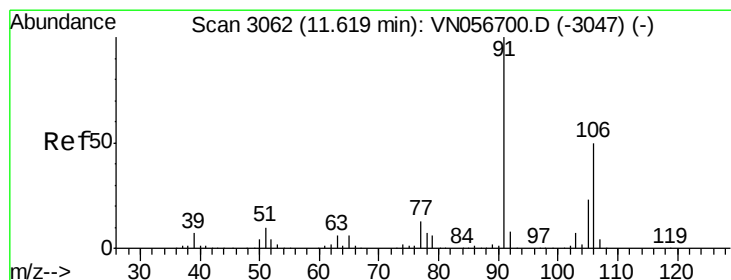
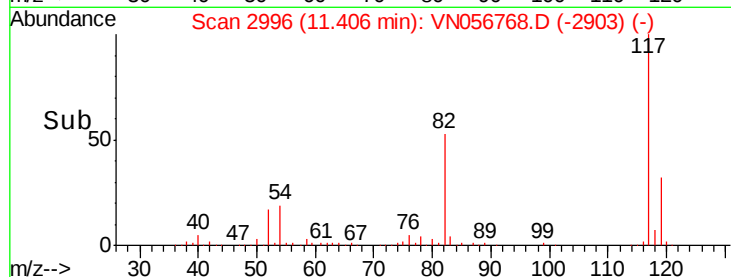
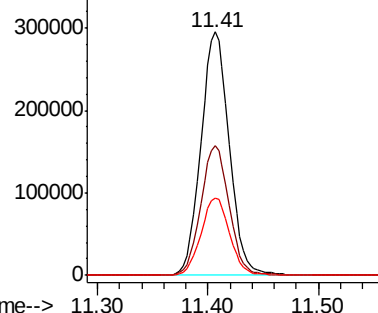
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
PB121398ZHE#08

Tot Ion:117 Resp: 524925
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 32.0 25.2 37.8

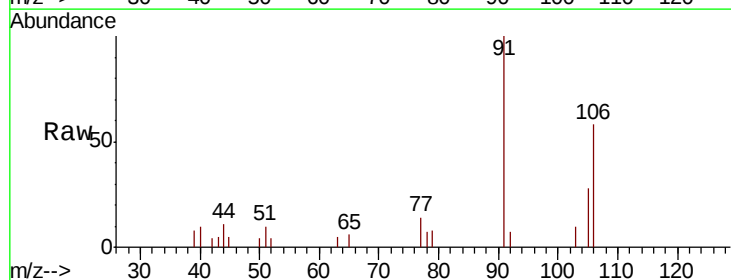


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

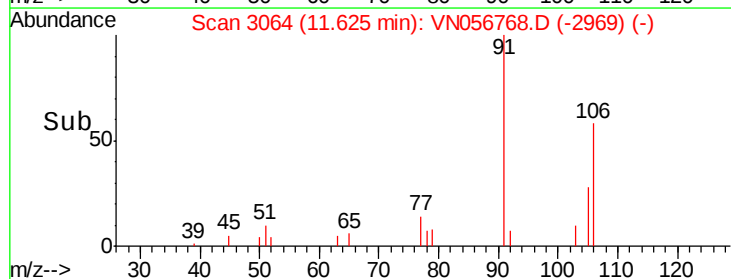
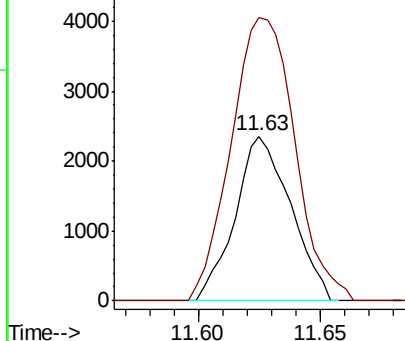


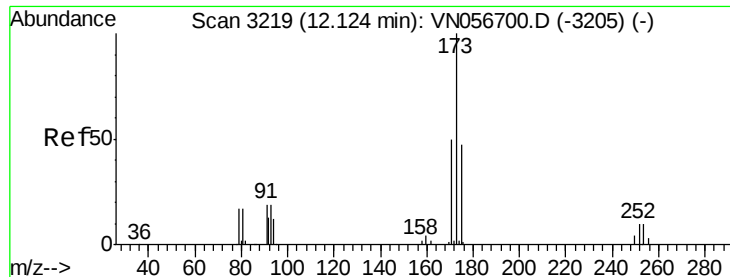
#68
m/p-Xylenes
Concen: 0.526 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN056768.D
Acq: 16 Jul 2019 14:59

Tgt Ion:106 Resp: 3705
Ion Ratio Lower Upper
106 100
91 198.7 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.560 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

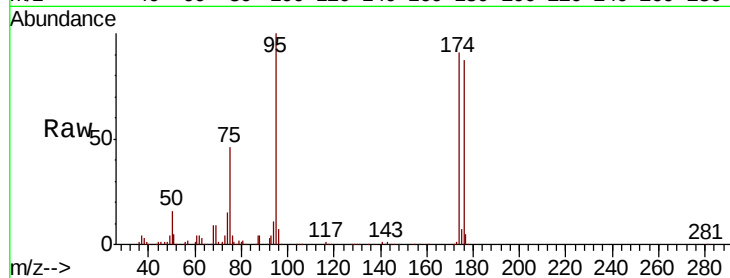
Tot Ion:173 Resp: 1684

Ion Ratio Lower Upper

173 100

175 766.7 23.8 71.4#

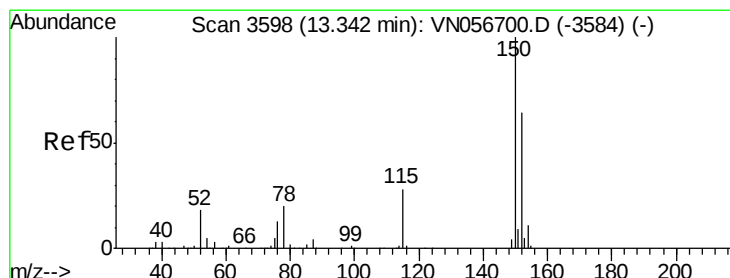
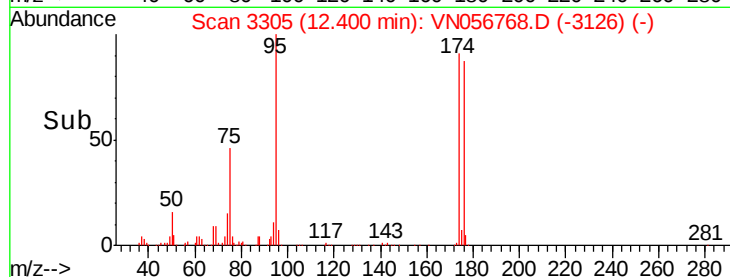
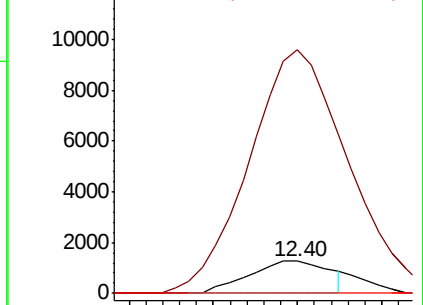
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

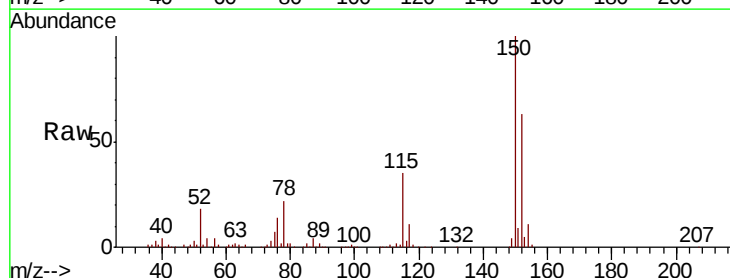
Tgt Ion:152 Resp: 193538

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

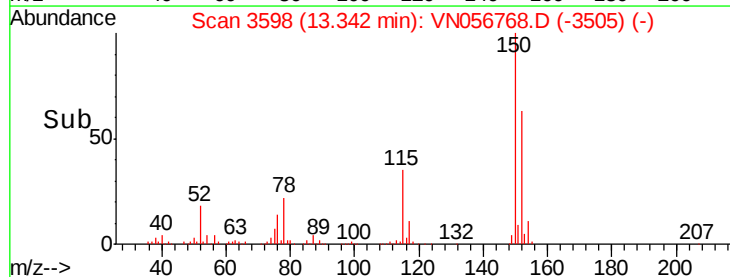
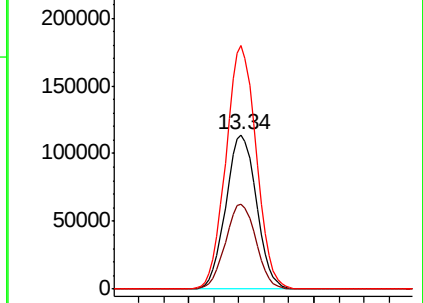
150 155.8 0.0 345.8

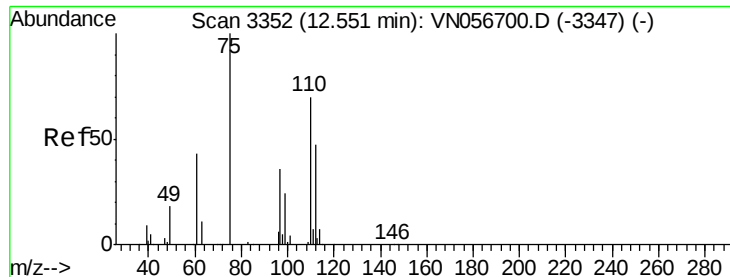


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.965 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

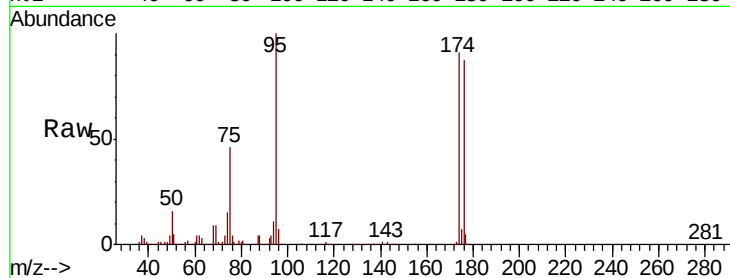
PB121398ZHE#08

Tot Ion: 75 Resp: 105676

Ion Ratio Lower Upper

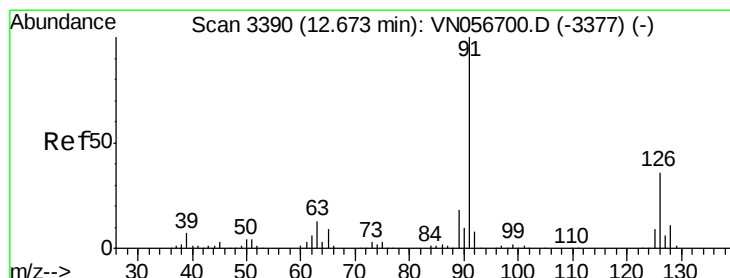
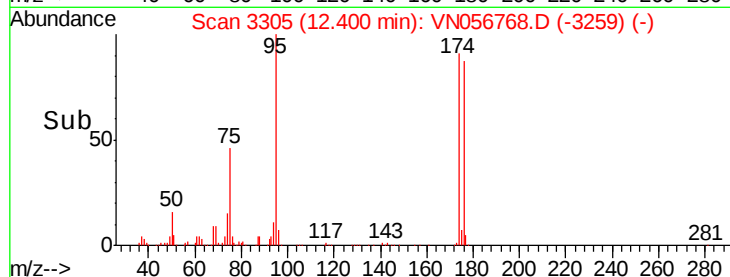
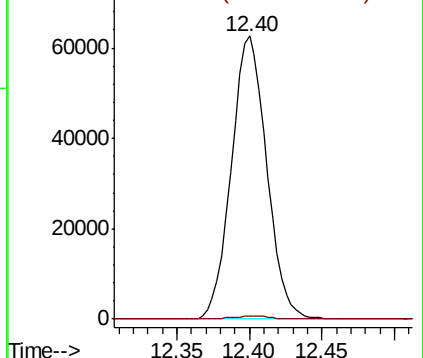
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.58 min Scan# 3362

Delta R.T. -0.09 min

Lab File: VN056768.D

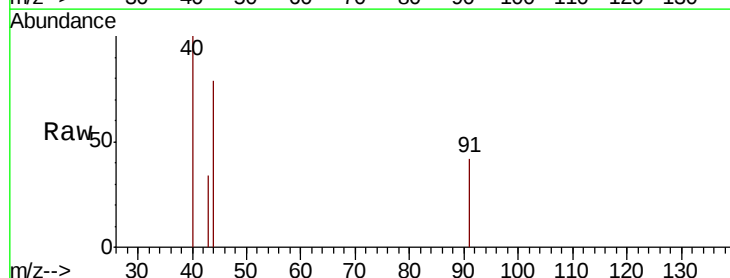
Acq: 16 Jul 2019 14:59

Tgt Ion: 91 Resp: 134

Ion Ratio Lower Upper

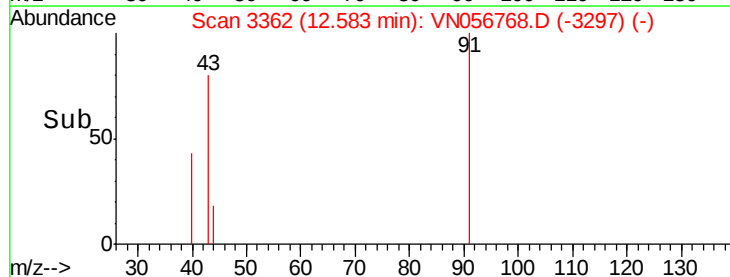
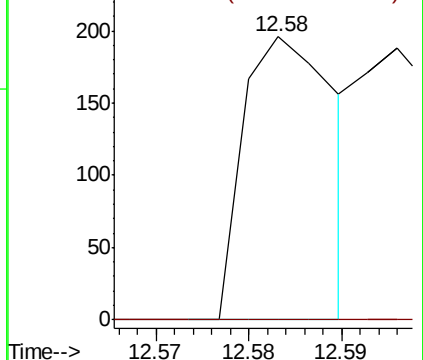
91 100

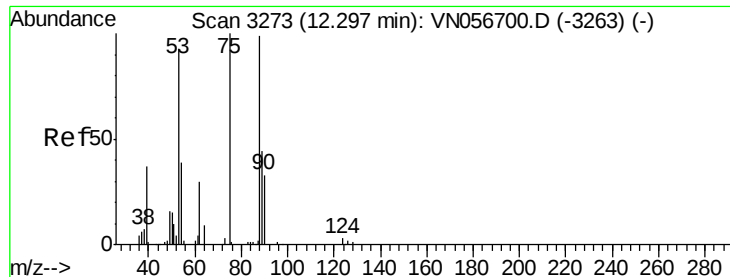
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.100 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

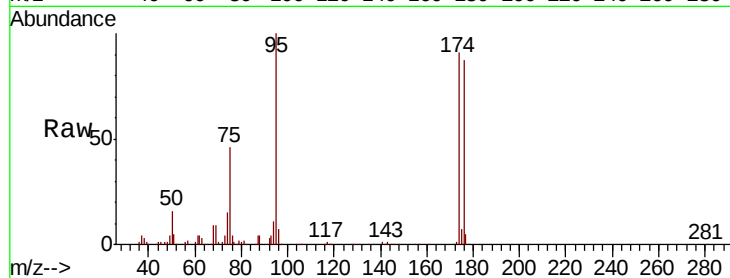
Tot Ion: 75 Resp: 105676

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

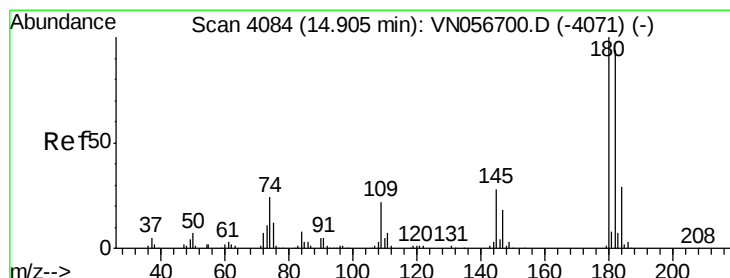
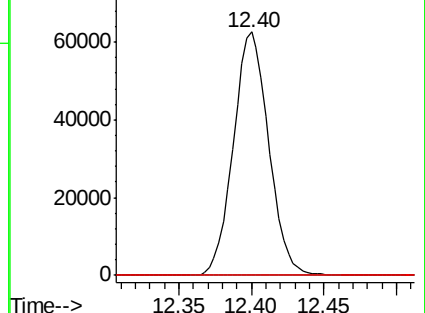
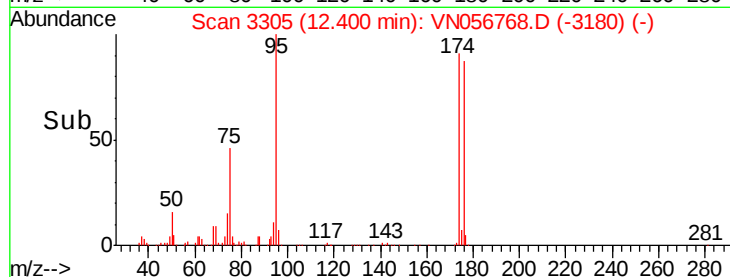
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056768.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN056768.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN056768.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.699 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

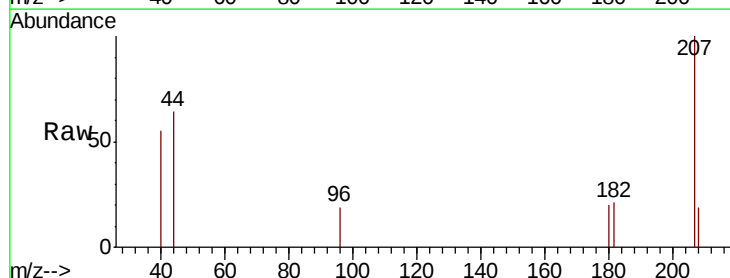
Tgt Ion: 180 Resp: 30

Ion Ratio Lower Upper

180 100

182 503.3 47.2 141.6#

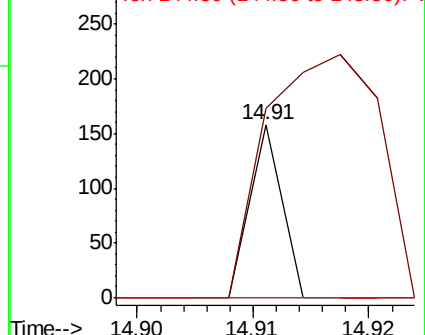
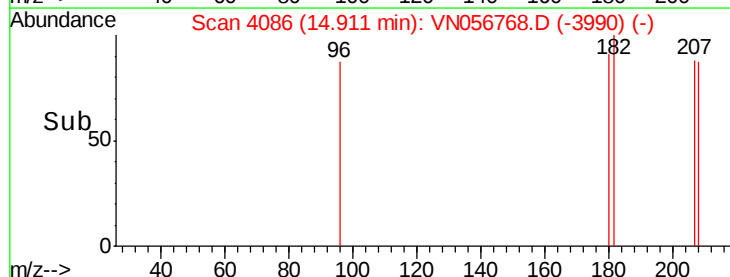
145 0.0 14.2 42.8#

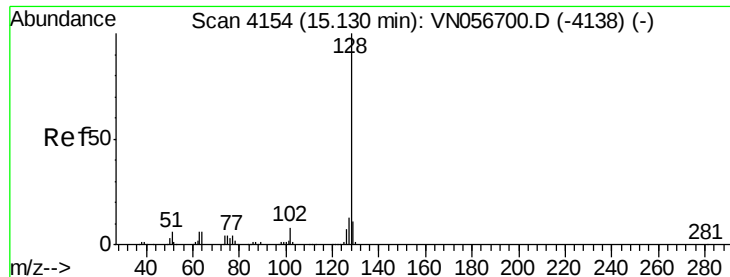


Abundance Ion 179.80 (179.50 to 180.50): VN056768.D (-4086) (-)

Ion 181.80 (181.50 to 182.50): VN056768.D (-4086) (-)

Ion 144.80 (144.50 to 145.50): VN056768.D (-4086) (-)





#95

Naphthalene

Concen: 4.574 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

PB121398ZHE#08

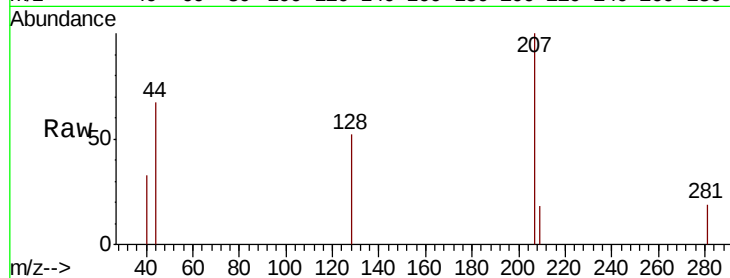
Tot Ion:128 Resp: 548

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

15.13

400

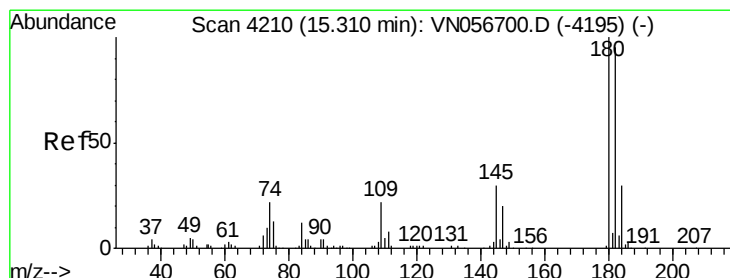
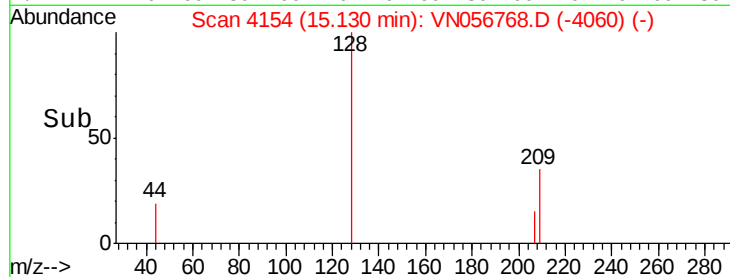
300

200

100

0

Time--> 15.10 15.12 15.14 15.16



#96

1,2,3-Trichlorobenzene

Concen: 3.346 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN056768.D

Acq: 16 Jul 2019 14:59

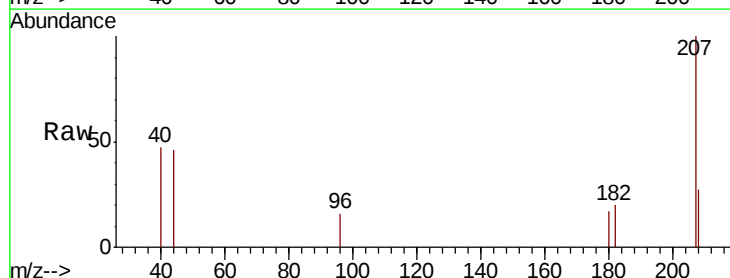
Tgt Ion:180 Resp: 92

Ion Ratio Lower Upper

180 100

182 117.4 47.1 141.3

145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.32

200

150

100

50

0

Time--> 15.30 15.31 15.32

