

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054145.D
 Acq On : 11 Mar 2019 17:06
 Operator : JC/SP
 Sample : PB117770TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117770TB

Quant Time: Mar 12 03:23:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1545233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2536024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2578948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1078486	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	847071	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	800001	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.09	98	3137554	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.40	95	1179848	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	

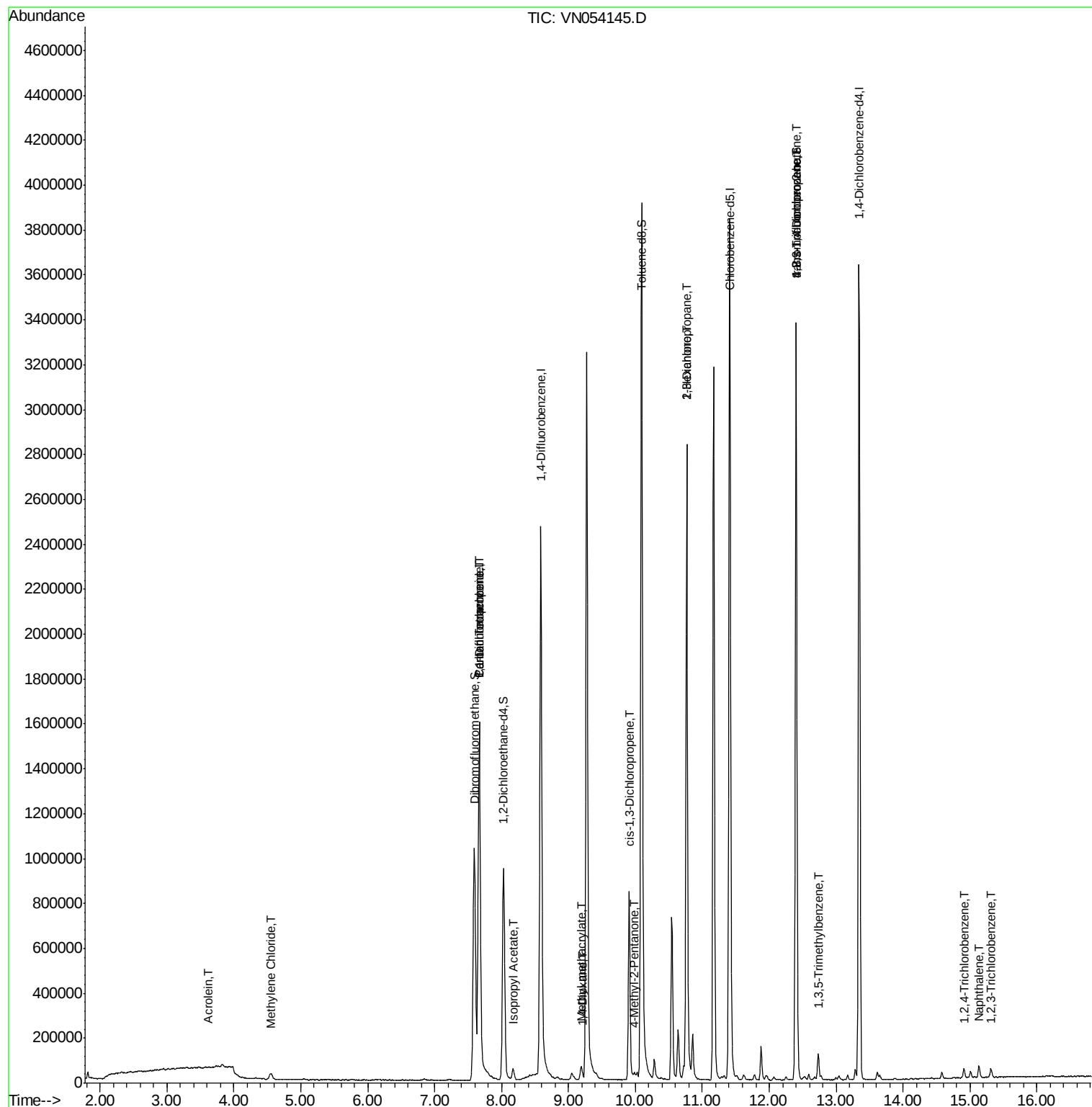
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	1008	1.089	ug/l #	1
16) Acetone	3.82	43	20118	Below Cal		93
20) Methylene Chloride	4.54	84	19999	1.346	ug/l #	82
36) 1,1-Dichloropropene	7.67	75	92408	4.187	ug/l #	48
38) Carbon Tetrachloride	7.66	117	128738	5.262	ug/l #	16
43) Isopropyl Acetate	8.17	43	60325	2.535	ug/l #	90
48) Methyl methacrylate	9.19	41	19896	1.555	ug/l #	14
49) 1,4-Dioxane	9.21	88	313	1.886	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	17210	1.349	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	169119	6.489	ug/l #	61
57) 1,3-Dichloropropane	10.77	76	32094	1.295	ug/l #	42
59) 2-Hexanone	10.77	43	438545	51.782	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	573581	37.661	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	64738	0.910	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	573581	112.107	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	14271	0.751	ug/l	95
95) Naphthalene	15.14	128	45697	1.133	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	14972	0.778	ug/l	95

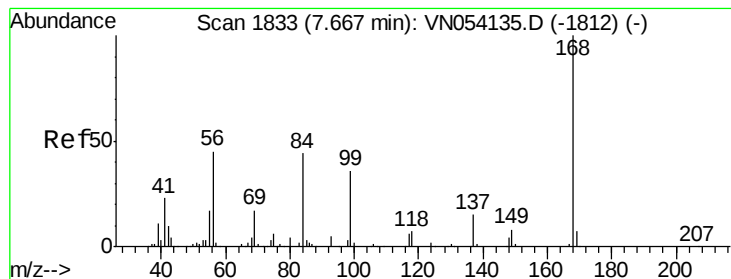
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 12 00:55:17 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: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

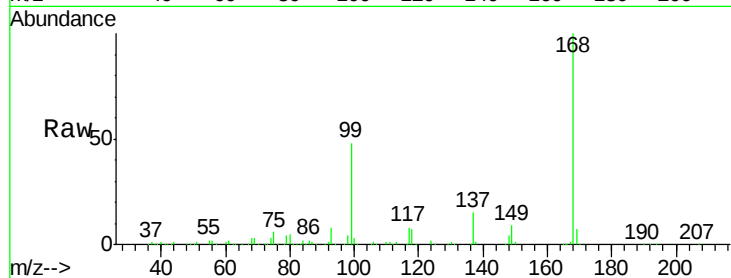
PB117770TB

Tot Ion:168 Resp: 1545233

Ion Ratio Lower Upper

168 100

99 47.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

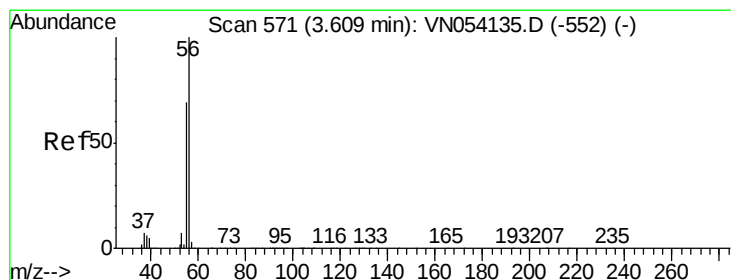
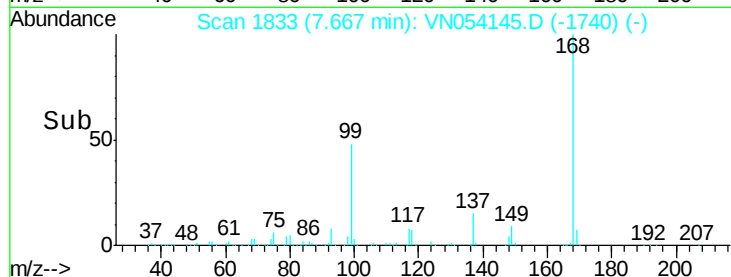
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 1.089 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN054145.D

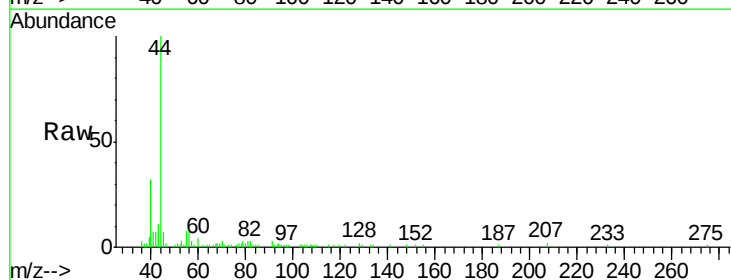
Acq: 11 Mar 2019 17:06

Tgt Ion: 56 Resp: 1008

Ion Ratio Lower Upper

56 100

55 154.7 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

2500

2000

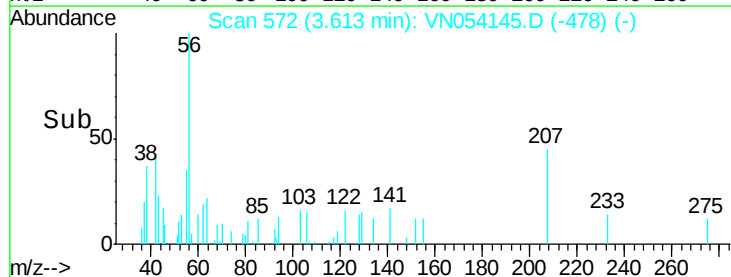
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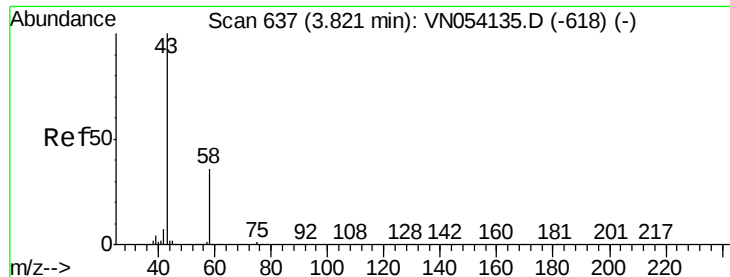
1000

500

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

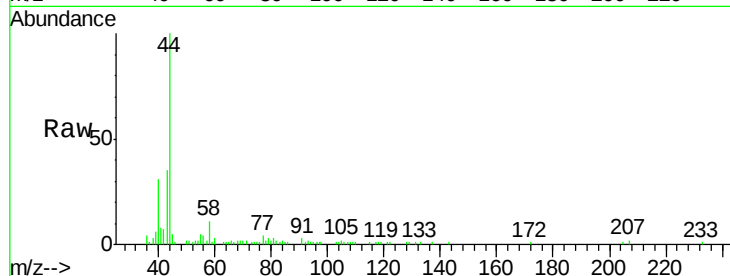
PB117770TB

Tot Ion: 43 Resp: 20118

Ion Ratio Lower Upper

43 100

58 36.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC

3.82

10000

8000

6000

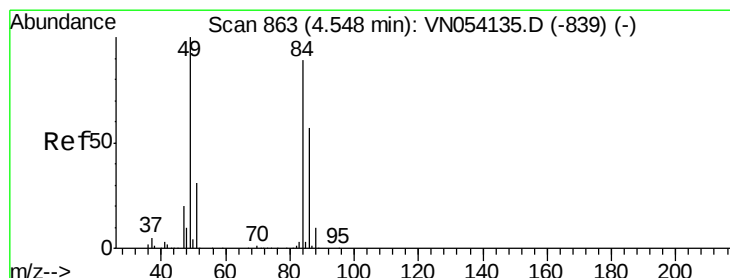
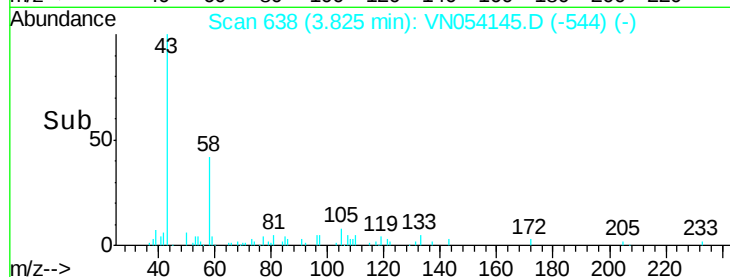
4000

2000

0

Time-->

3.75 3.80 3.85 3.90



#20

Methylene Chloride

Concen: 1.346 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Tgt Ion: 84 Resp: 19999

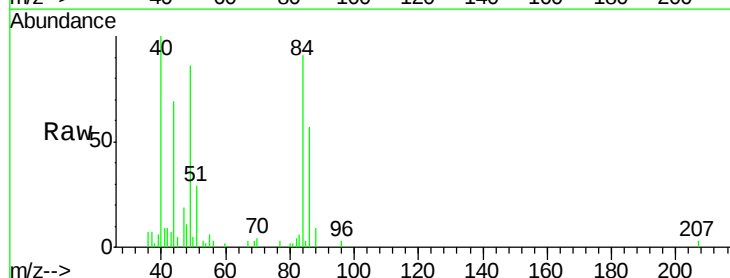
Ion Ratio Lower Upper

84 100

49 95.0 101.8 152.8#

51 31.7 31.1 46.7

86 62.6 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

10000

8000

6000

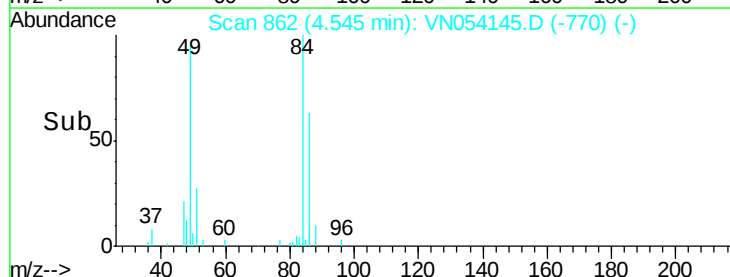
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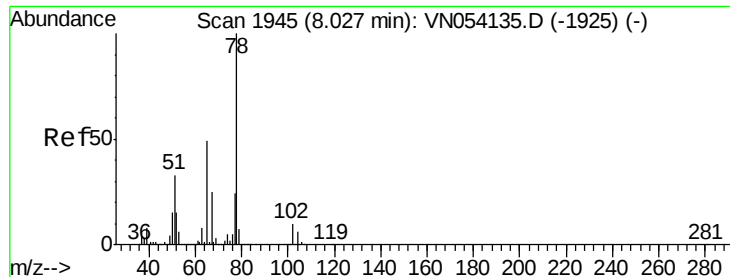
2000

0

Time-->

4.45 4.50 4.55 4.60 4.65

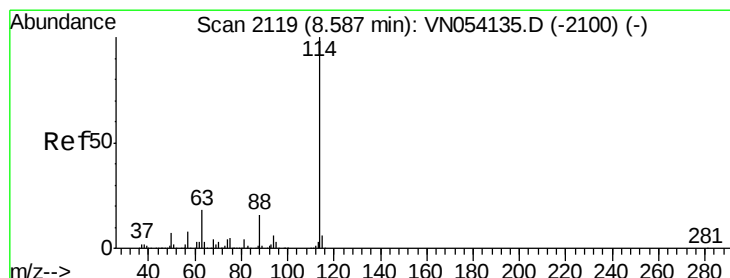
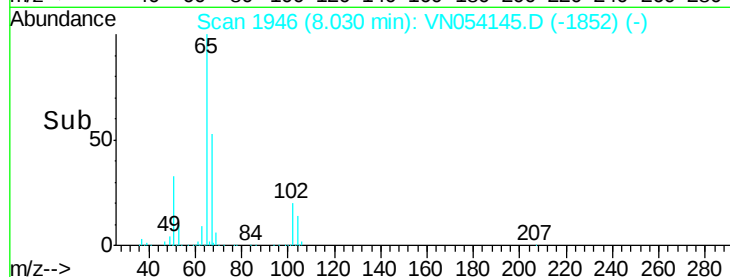
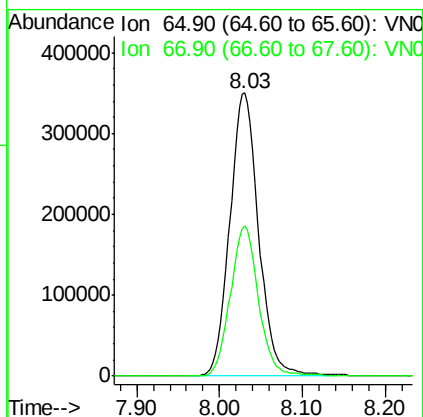
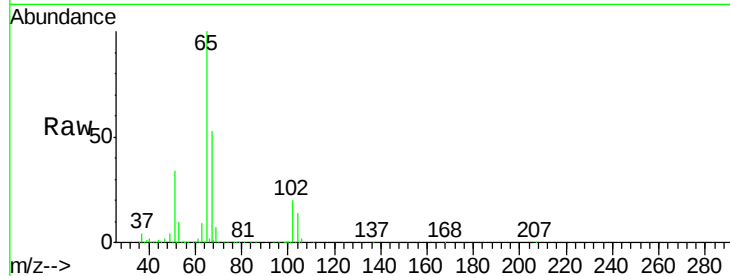




#33
 1,2-Dichloroethane-d4
 Concen: 51.260 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

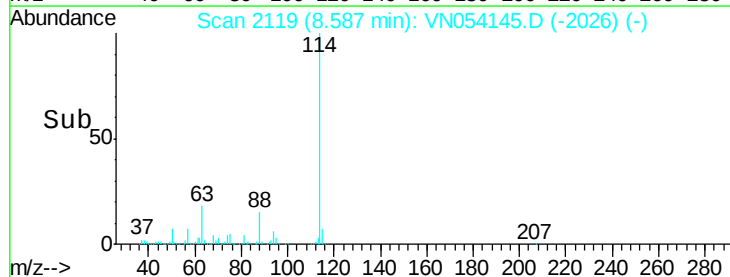
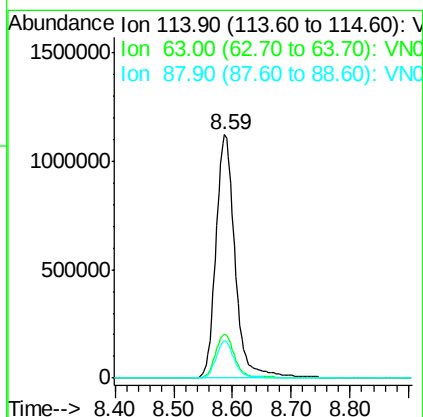
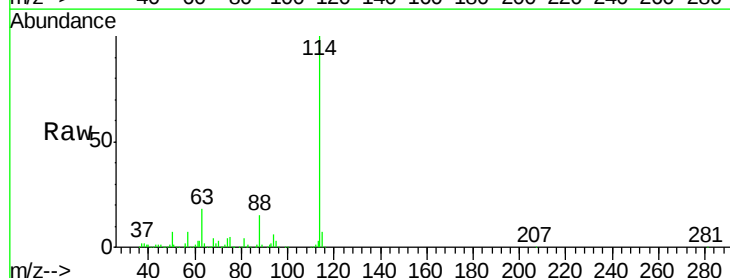
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117770TB

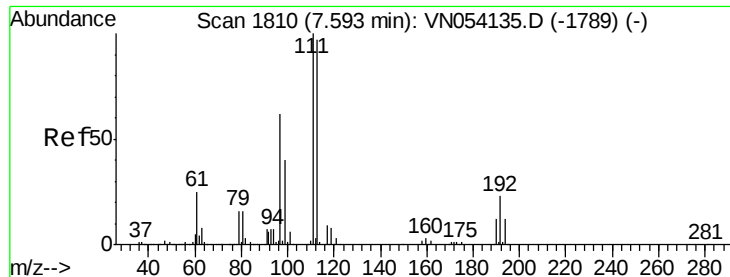
Tot Ion: 65 Resp: 847071
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

Tgt Ion: 114 Resp: 2536024
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.6
 88 15.2 0.0 31.8

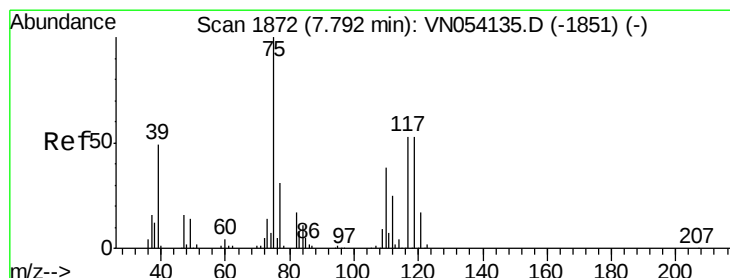
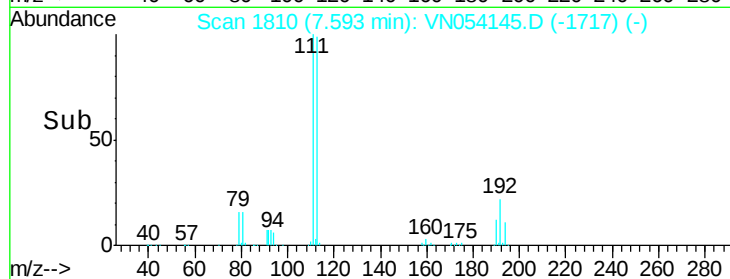
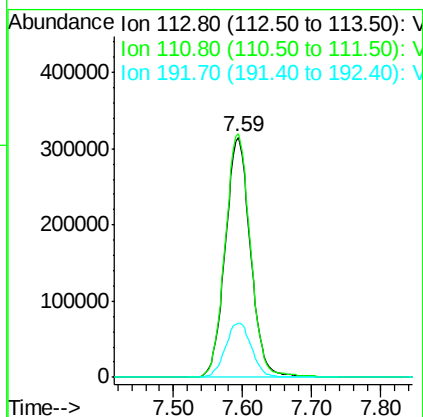
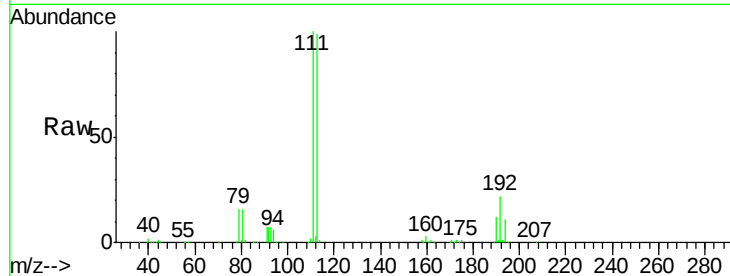




#35
 Dibromofluoromethane
 Concen: 48.894 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

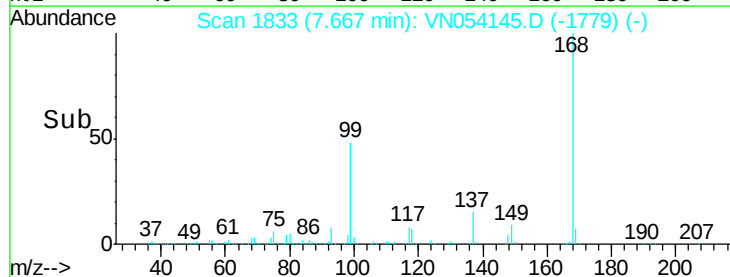
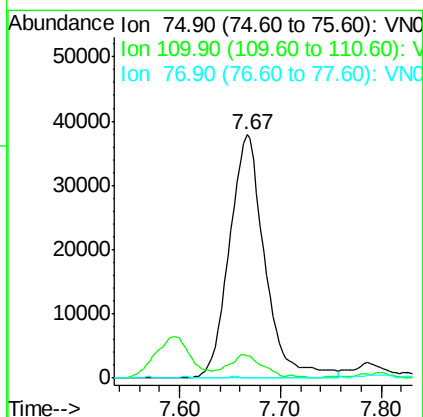
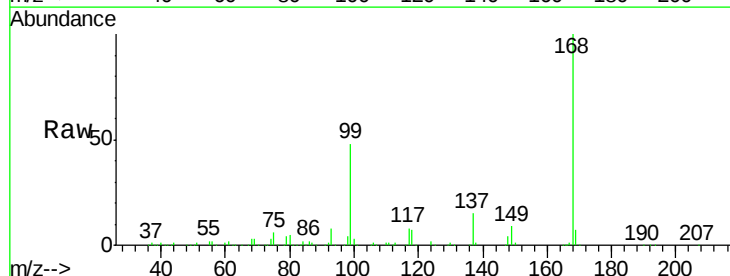
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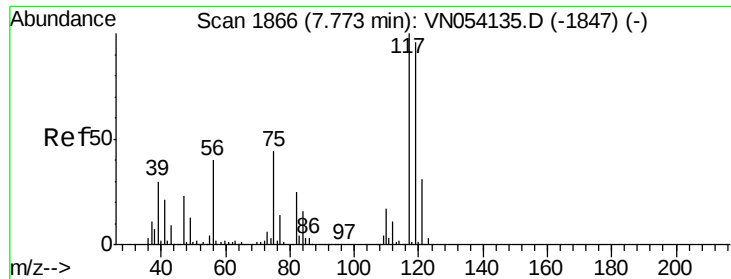
Tot Ion:113 Resp: 800001
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.1 123.1
 192 23.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.187 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

Tgt Ion: 75 Resp: 92408
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.0 54.0#
 77 0.1 25.3 37.9#

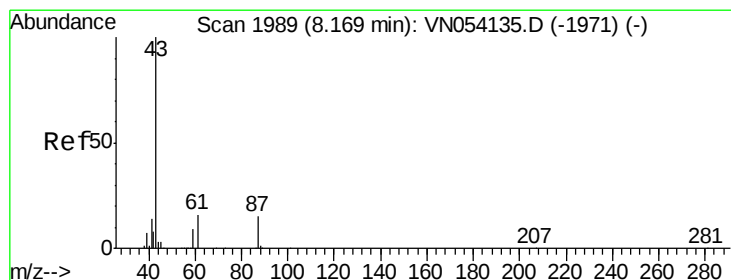
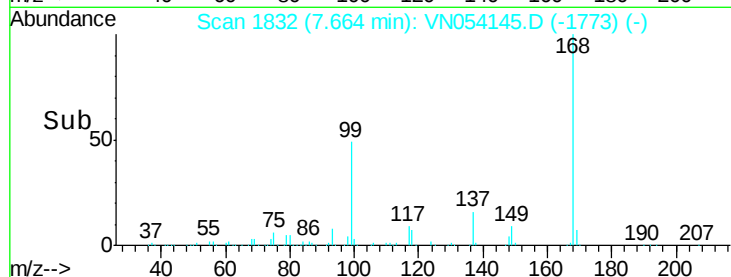
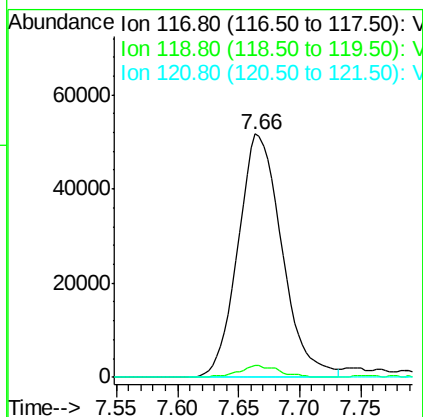
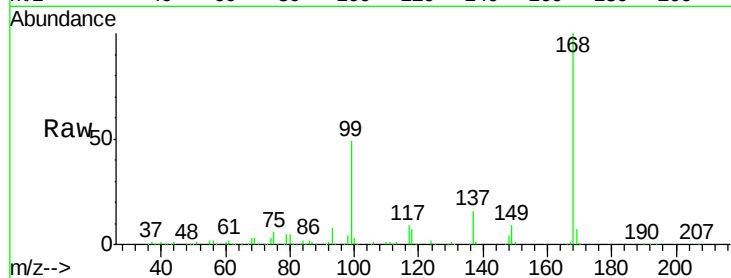




#38
Carbon Tetrachloride
Concen: 5.262 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054145.D
Acq: 11 Mar 2019 17:06

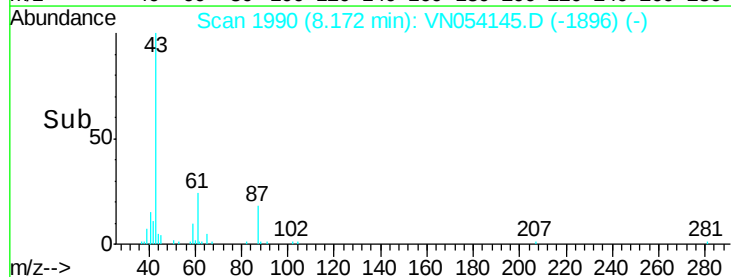
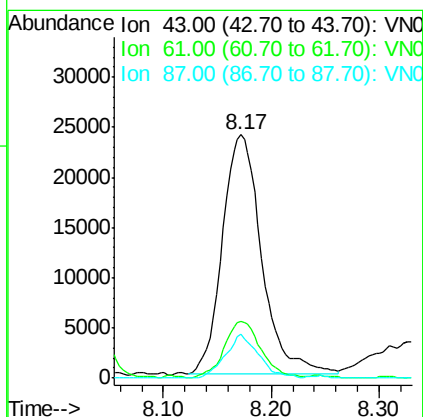
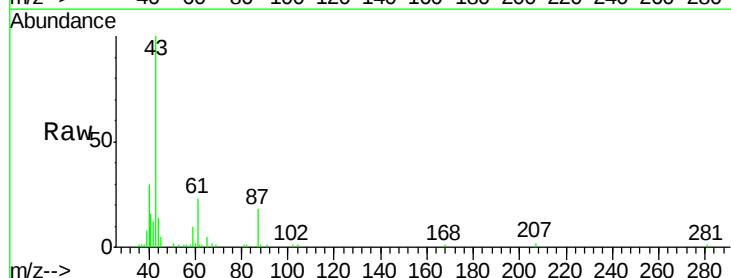
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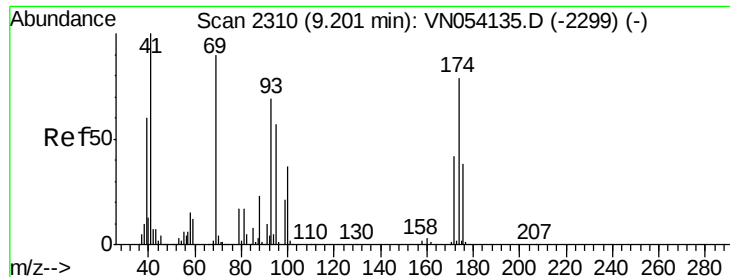
Tot Ion:117 Resp: 128738
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 2.535 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054145.D
Acq: 11 Mar 2019 17:06

Tgt Ion: 43 Resp: 60325
Ion Ratio Lower Upper
43 100
61 22.3 22.5 33.7#
87 15.5 10.1 15.1#

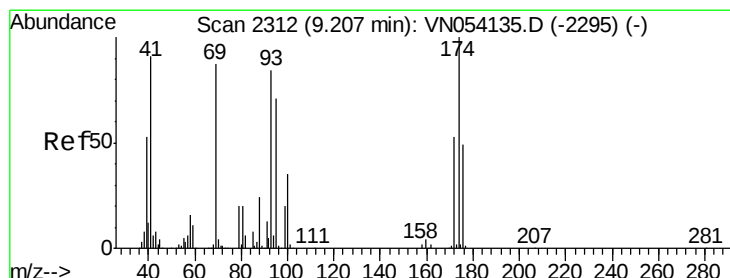
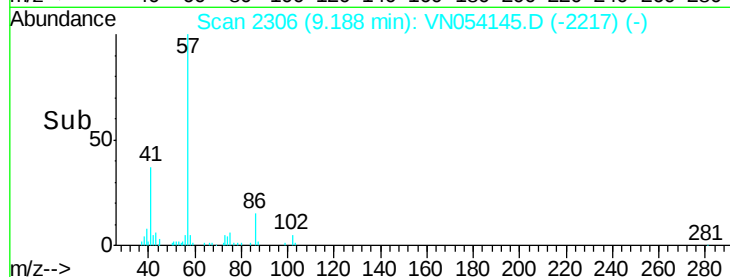
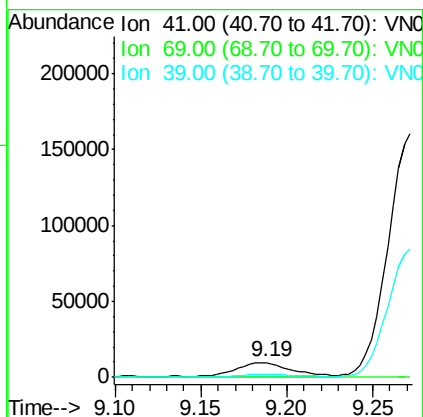
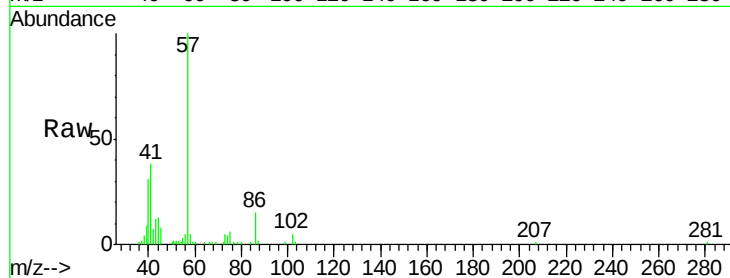




#48
Methyl methacrylate
Concen: 1.555 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN054145.D
Acq: 11 Mar 2019 17:06

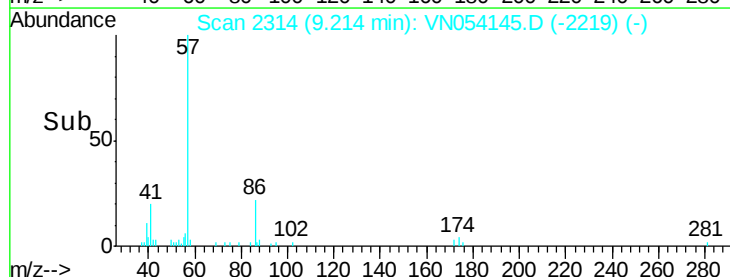
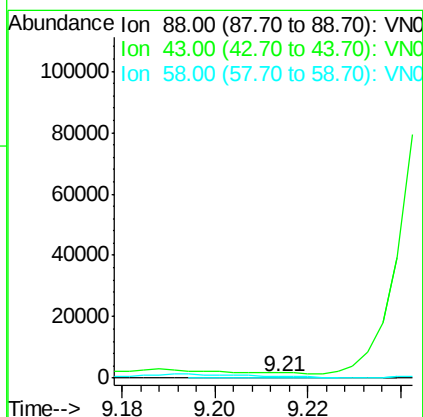
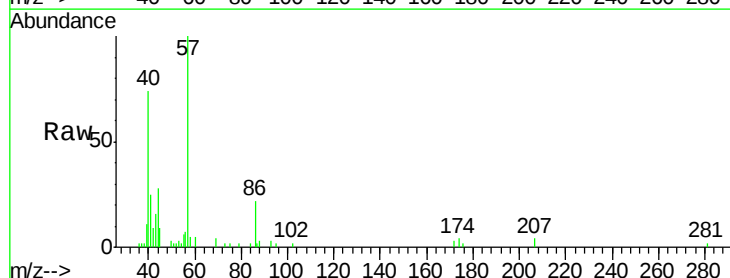
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ClientSampled :
PB117770TB

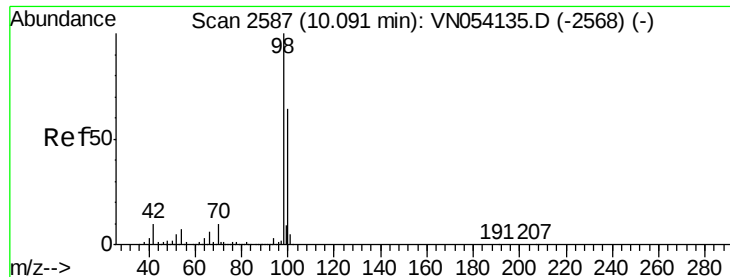
Tot Ion: 41 Resp: 19896
Ion Ratio Lower Upper
41 100
69 1.8 71.0 106.4#
39 0.0 43.7 65.5#



#49
1,4-Dioxane
Concen: 1.886 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN054145.D
Acq: 11 Mar 2019 17:06

Tgt Ion: 88 Resp: 313
Ion Ratio Lower Upper
88 100
43 0.0 25.5 38.3#
58 0.0 58.3 87.5#





#50

Toluene-d8

Concen: 52.052 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

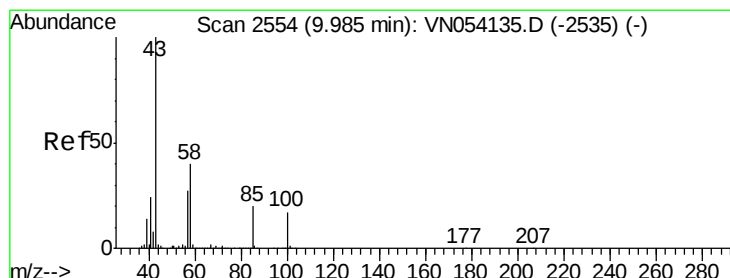
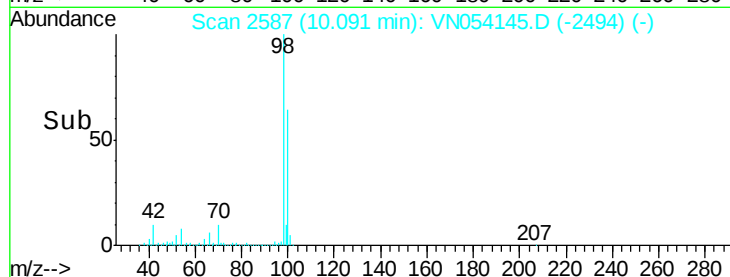
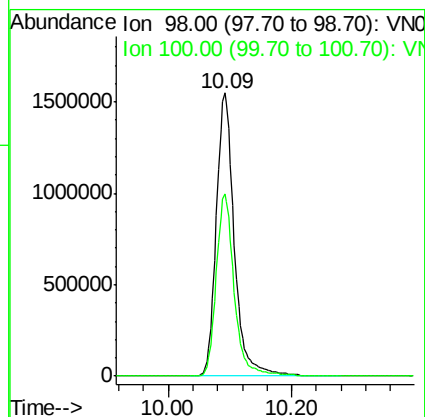
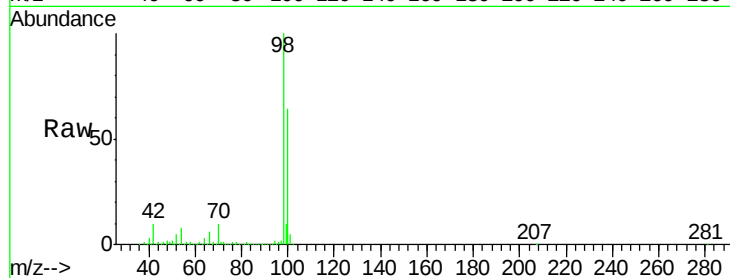
PB117770TB

Tot Ion: 98 Resp: 3137554

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.349 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054145.D

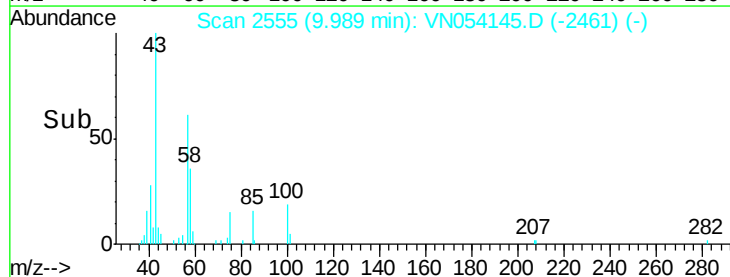
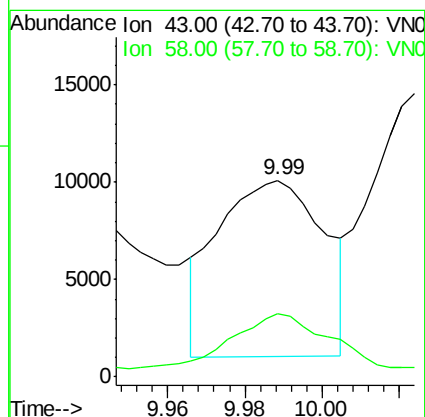
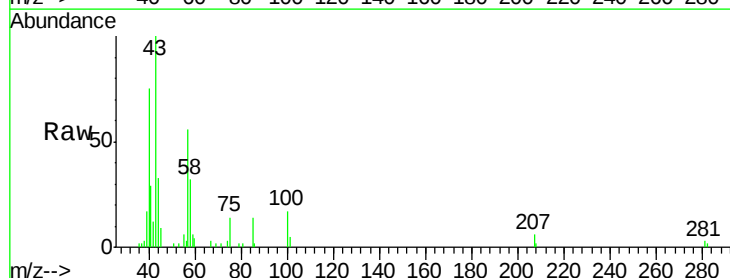
Acq: 11 Mar 2019 17:06

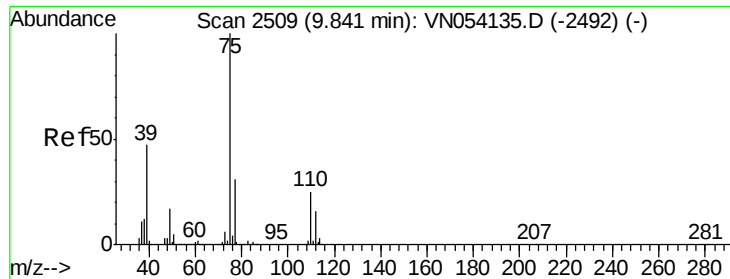
Tgt Ion: 43 Resp: 17210

Ion Ratio Lower Upper

43 100

58 34.4 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.489 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB117770TB

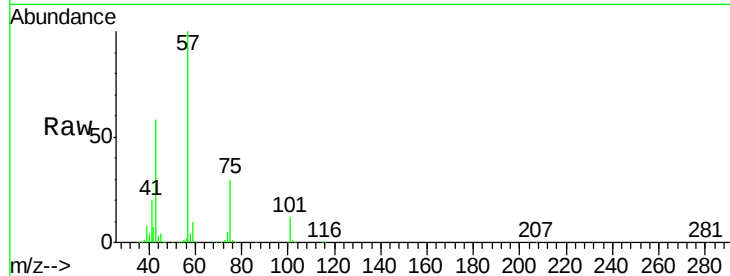
Tot Ion: 75 Resp: 169119

Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

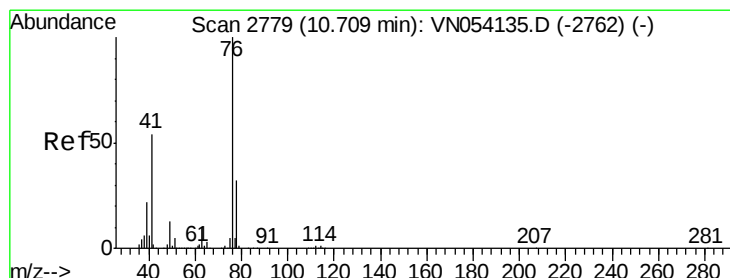
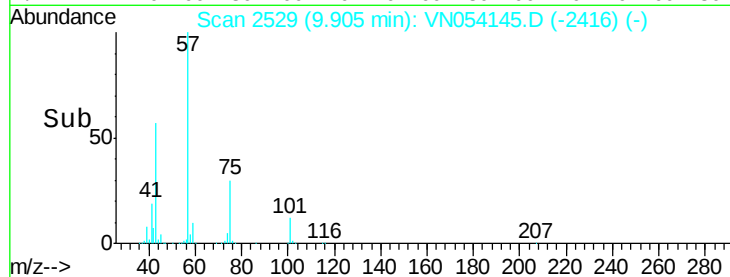
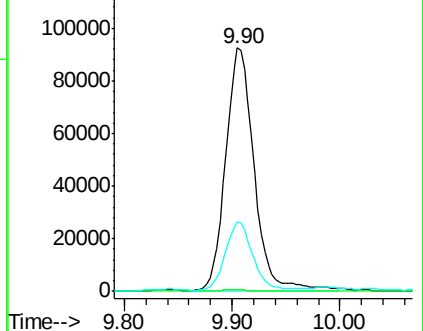
39 28.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC



#57

1,3-Dichloropropane

Concen: 1.295 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054145.D

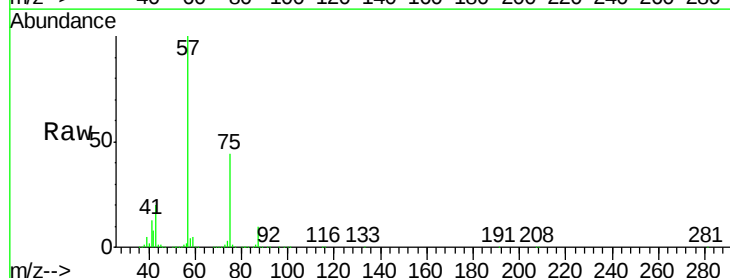
Acq: 11 Mar 2019 17:06

Tgt Ion: 76 Resp: 32094

Ion Ratio Lower Upper

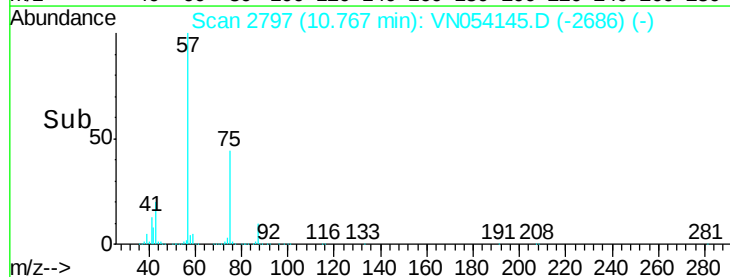
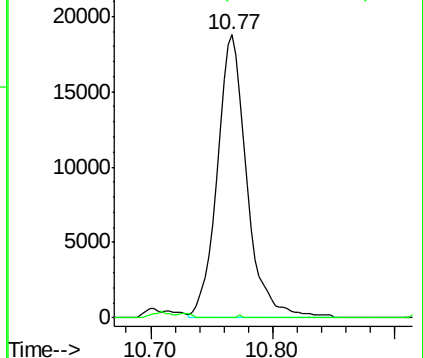
76 100

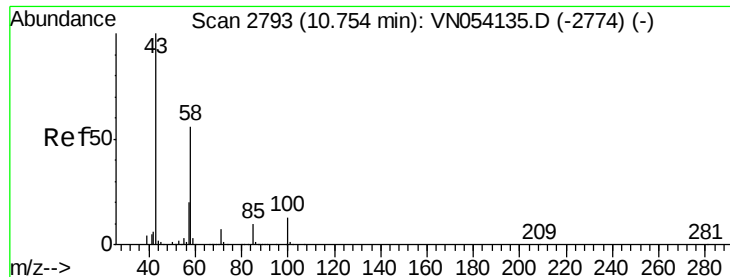
78 0.1 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC





#59

2-Hexanone

Concen: 51.782 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

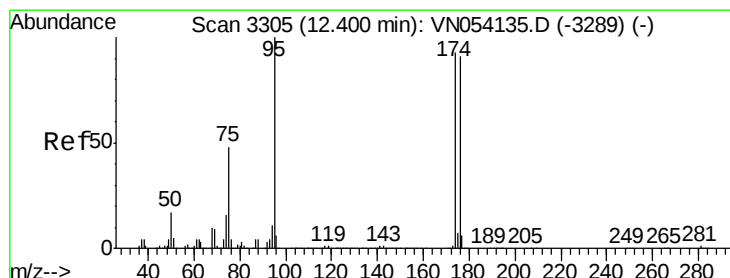
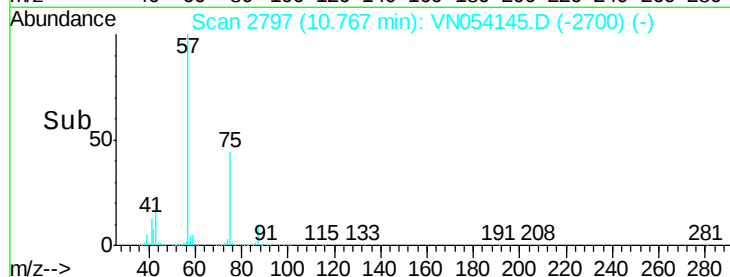
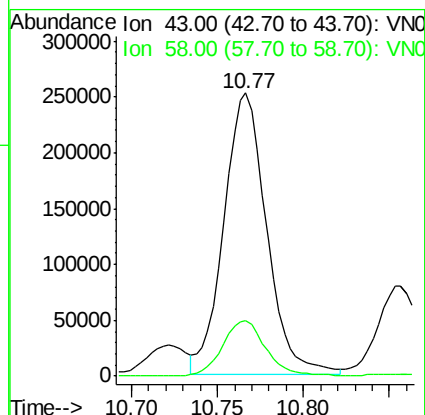
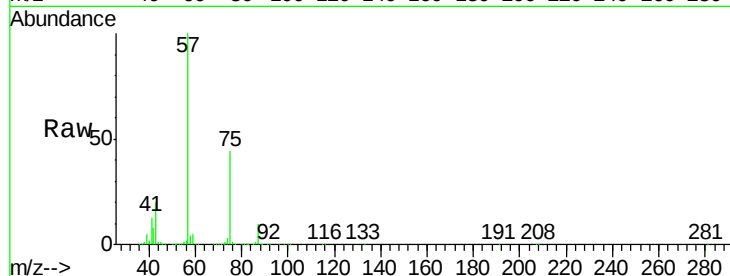
PB117770TB

Tot Ion: 43 Resp: 438545

Ion Ratio Lower Upper

43 100

58 20.0 27.0 81.0#



#62

4-Bromofluorobenzene

Concen: 55.910 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

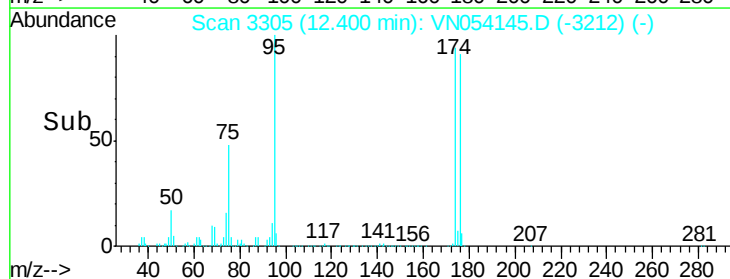
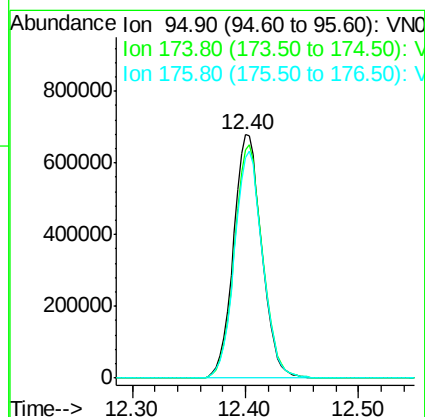
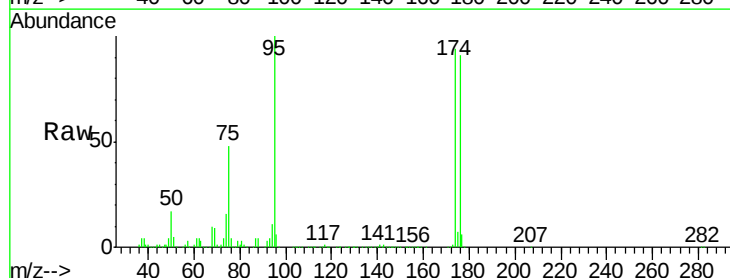
Tgt Ion: 95 Resp: 1179848

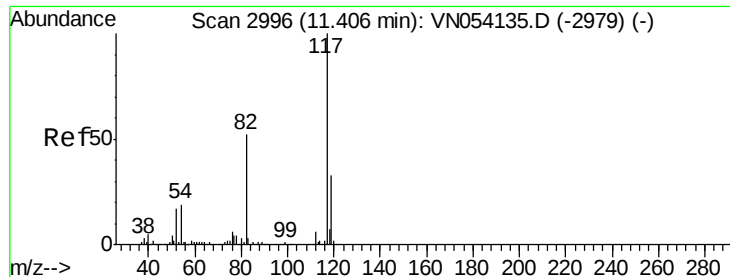
Ion Ratio Lower Upper

95 100

174 95.2 0.0 173.2

176 92.7 0.0 168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB117770TB

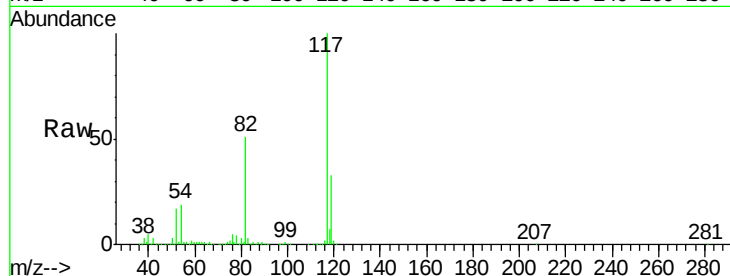
Tot Ion:117 Resp: 2578948

Ion Ratio Lower Upper

117 100

82 50.8 43.4 65.2

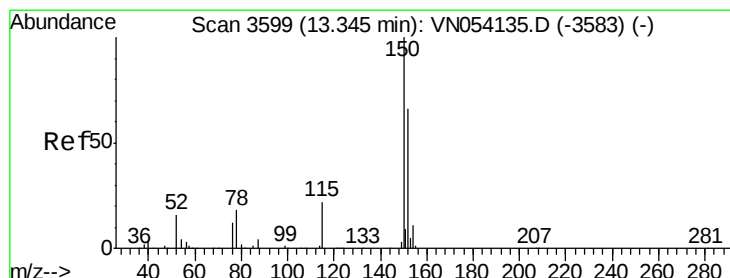
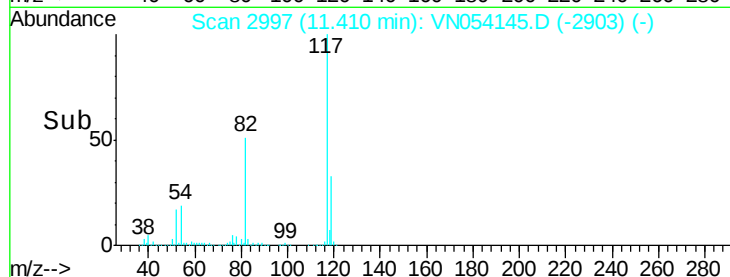
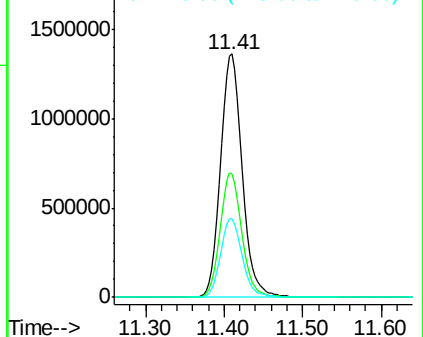
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

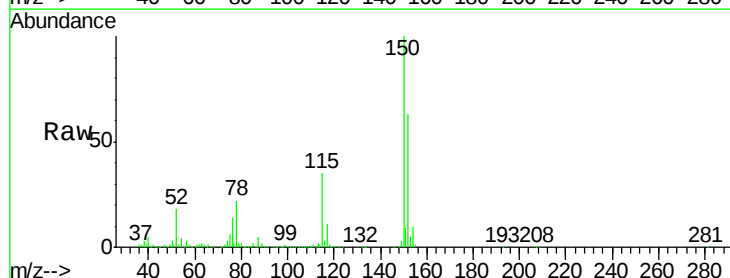
Tgt Ion:152 Resp: 1078486

Ion Ratio Lower Upper

152 100

115 55.7 28.5 85.6

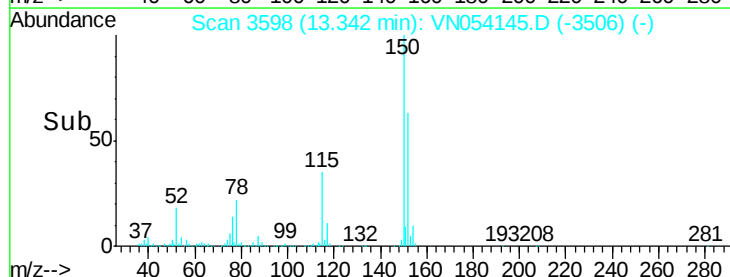
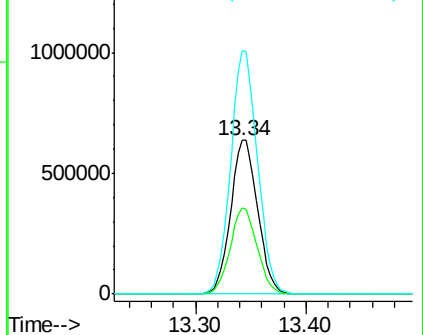
150 157.4 0.0 343.2

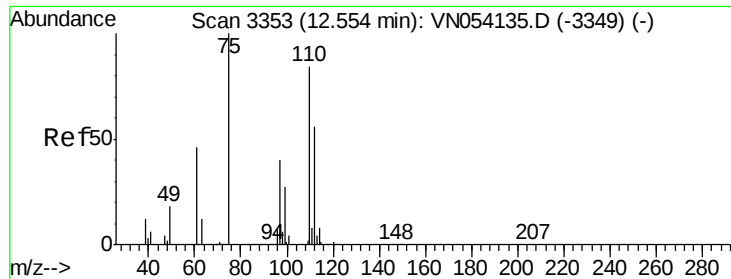


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

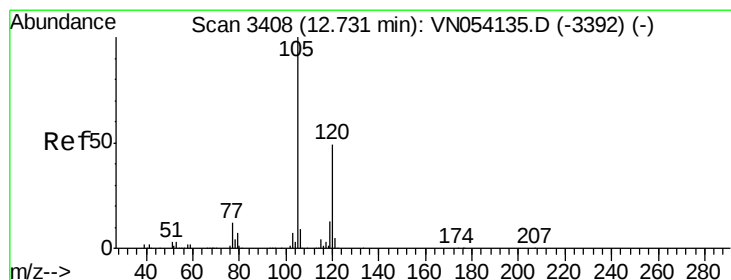
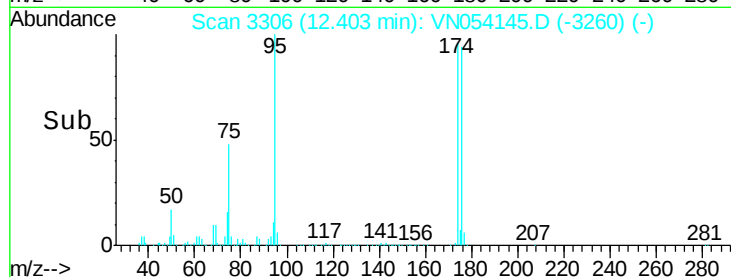
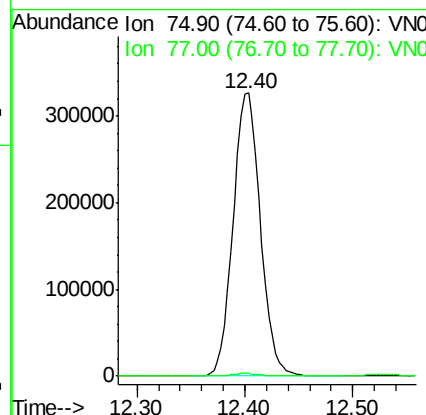
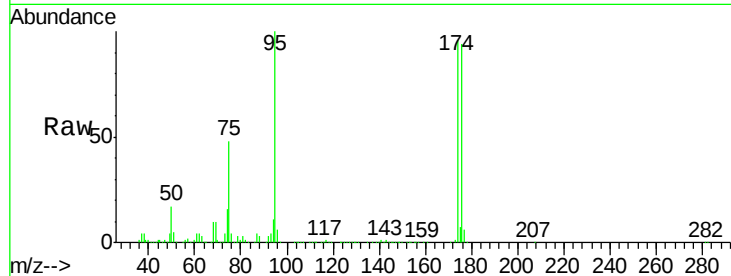




#76
 1,2,3-Trichloropropane
 Concen: 37.661 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

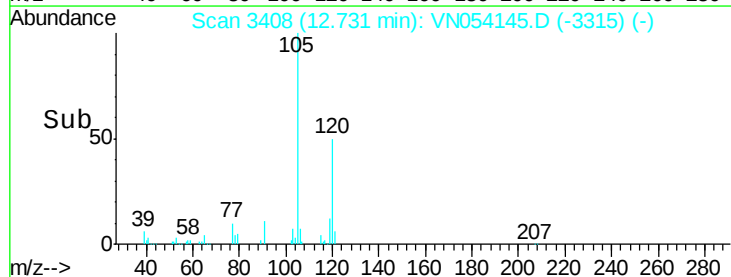
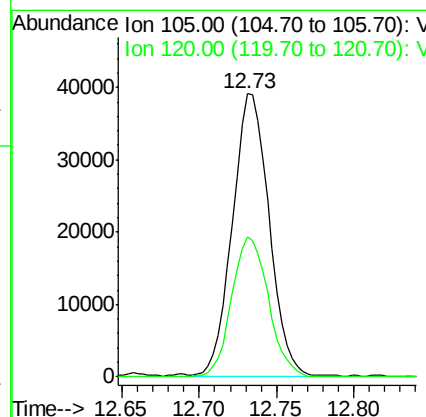
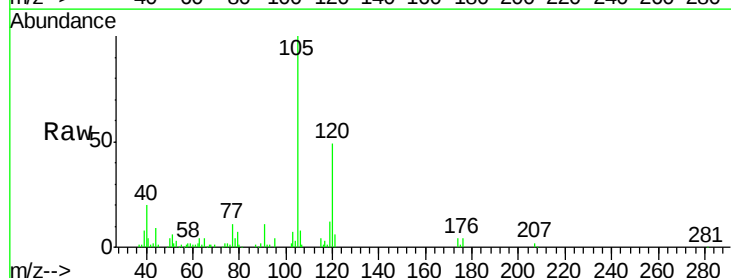
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117770TB

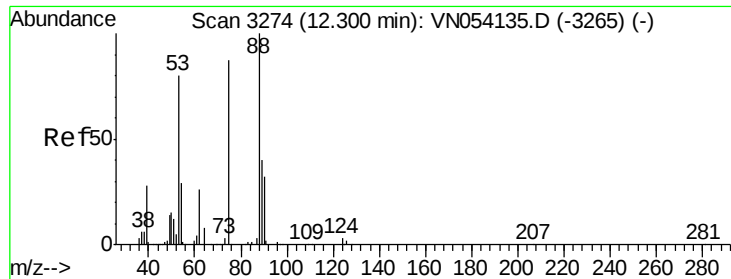
Tot Ion: 75 Resp: 573581
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.910 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

Tgt Ion: 105 Resp: 64738
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.8

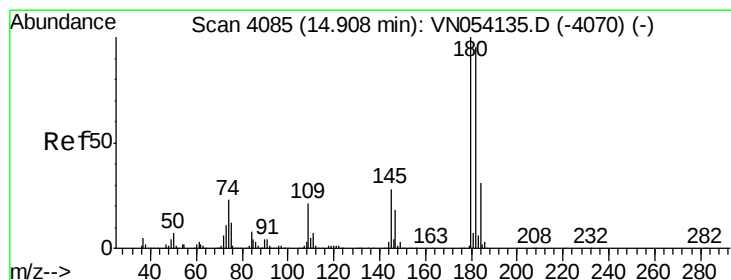
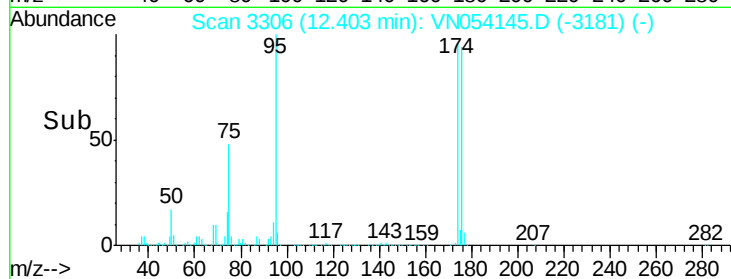
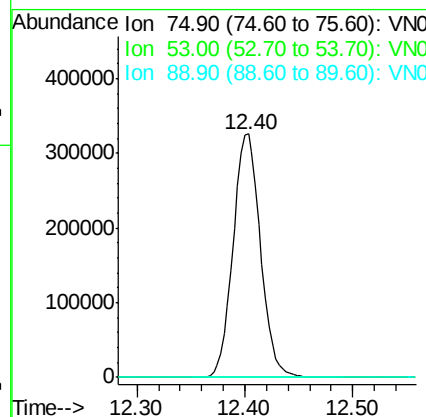
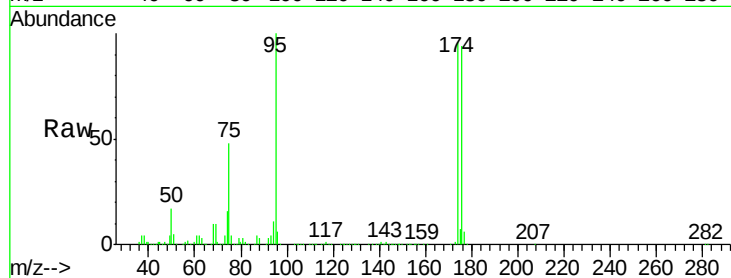




#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.107 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

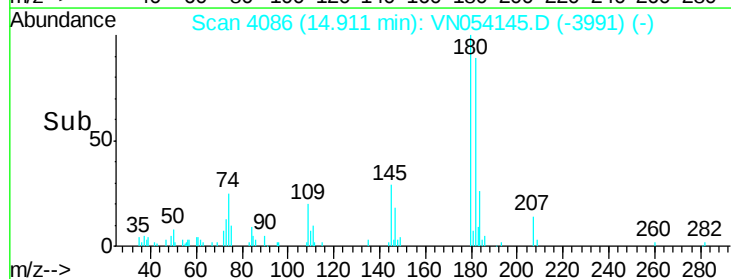
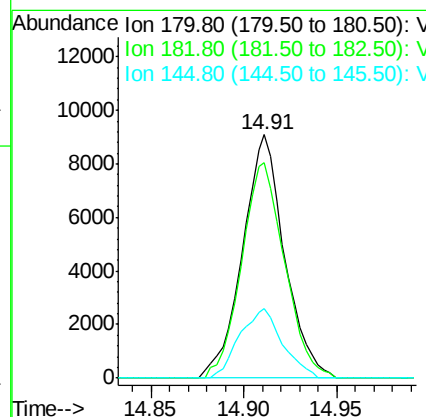
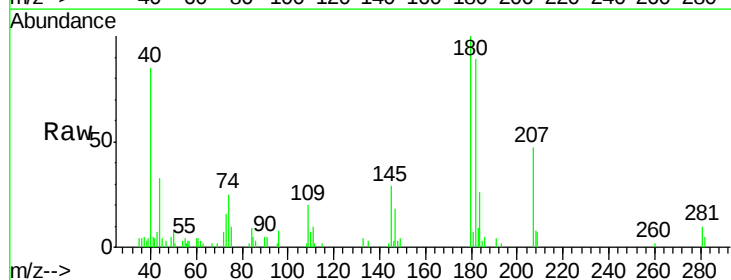
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117770TB

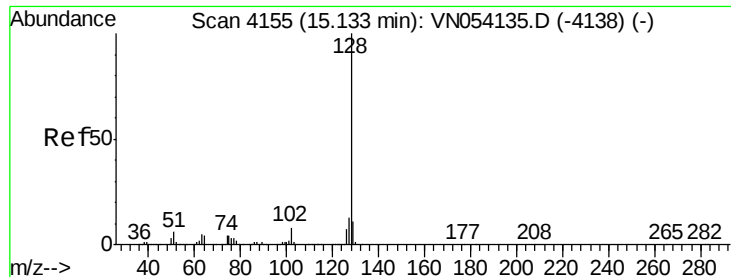
Tot Ion: 75 Resp: 573581
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.4 114.6#
 89 0.0 35.3 52.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.751 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054145.D
 Acq: 11 Mar 2019 17:06

Tgt Ion: 180 Resp: 14271
 Ion Ratio Lower Upper
 180 100
 182 90.8 48.1 144.3
 145 29.0 13.9 41.7





#95

Naphthalene

Concen: 1.133 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Instrument :

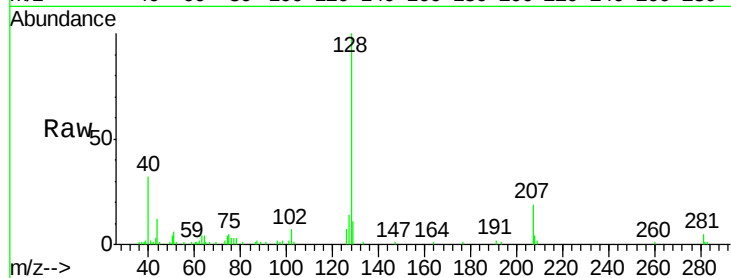
MSVOA_N

ClientSampleId :

PB117770TB

Tot Ion:128 Resp: 45697

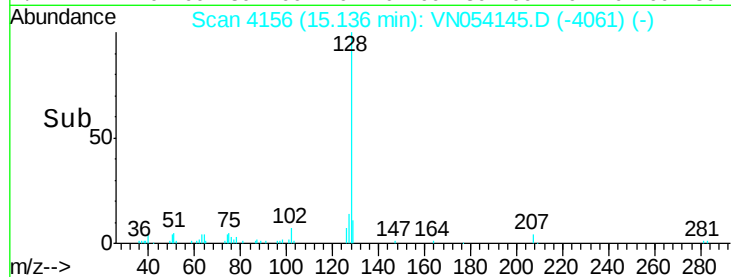
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.0	8.6	12.8



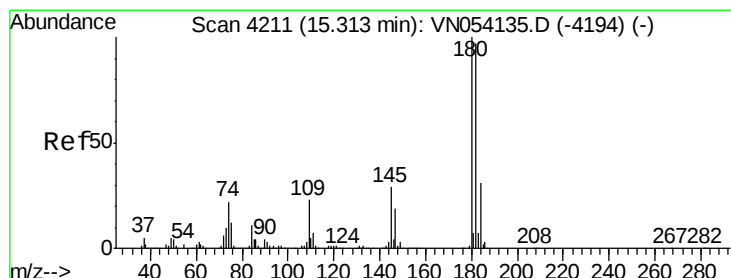
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.778 ug/l

RT: 15.32 min Scan# 4212

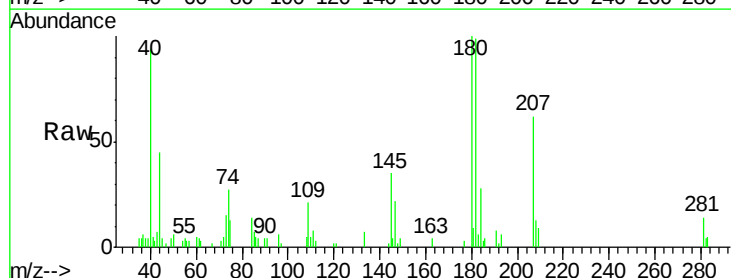
Delta R.T. 0.00 min

Lab File: VN054145.D

Acq: 11 Mar 2019 17:06

Tgt Ion:180 Resp: 14972

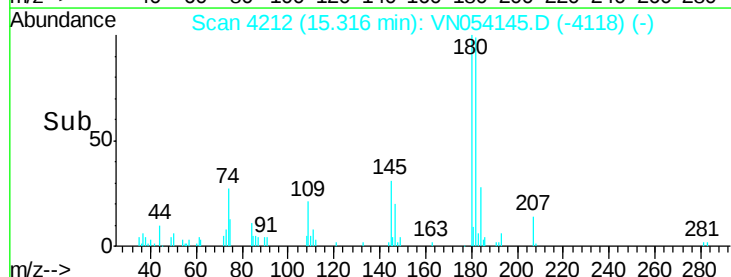
Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.9	143.7
145	32.1	14.9	44.5



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



Time-->