

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054151.D
 Acq On : 11 Mar 2019 19:44
 Operator : JC/SP
 Sample : K1692-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-030819-B

Quant Time: Mar 12 03:25:14 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	1572530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2577195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2718886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1198681	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	853516	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	807247	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	10.09	98	3241902	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	1257174	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	

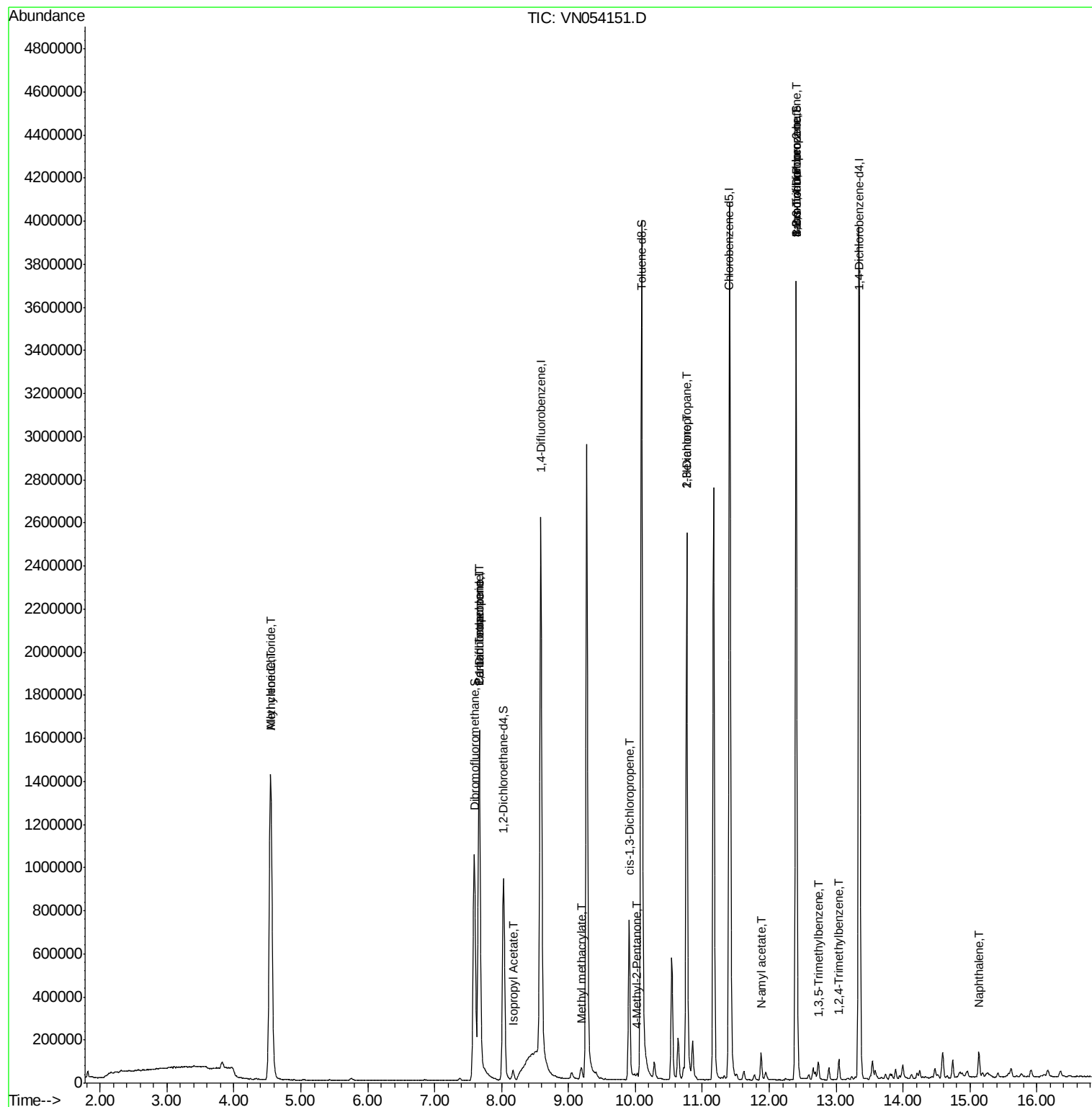
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.54	41	34672	1.605	ug/l #	27
16) Acetone	3.83	43	48338	Below Cal		95
20) Methylene Chloride	4.55	84	1142035	75.508	ug/l	90
31) Cyclohexane	7.66	56	24680	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	92874	4.141	ug/l #	49
38) Carbon Tetrachloride	7.67	117	125209	5.036	ug/l #	16
43) Isopropyl Acetate	8.17	43	51135	2.115	ug/l #	89
48) Methyl methacrylate	9.18	41	18806	1.447	ug/l #	13
51) 4-Methyl-2-Pentanone	10.03	43	18030	1.390	ug/l #	37
54) cis-1,3-Dichloropropene	9.91	75	151620	5.725	ug/l #	62
57) 1,3-Dichloropropane	10.77	76	29483	1.171	ug/l #	43
59) 2-Hexanone	10.77	43	388815	45.176	ug/l #	51
71) Bromoform	12.40	173	8106	0.540	ug/l #	1
74) N-amyl acetate	11.88	43	39991	1.842	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	612949	36.210	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	40483	0.512	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	612949	107.789	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	56220	0.726	ug/l	97
95) Naphthalene	15.13	128	105599	2.357	ug/l	99

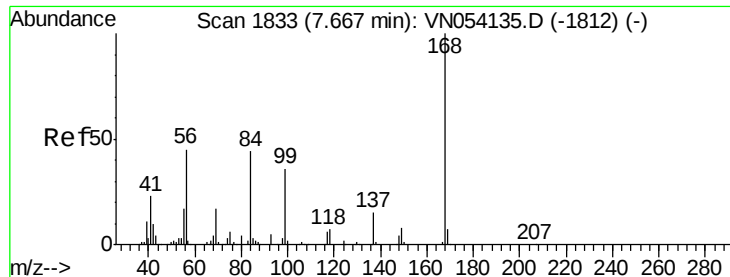
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031119\
Data File : VN054151.D
Acq On : 11 Mar 2019 19:44
Operator : JC/SP
Sample : K1692-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CL-02-030819-B

Quant Time: Mar 12 03:25:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
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: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

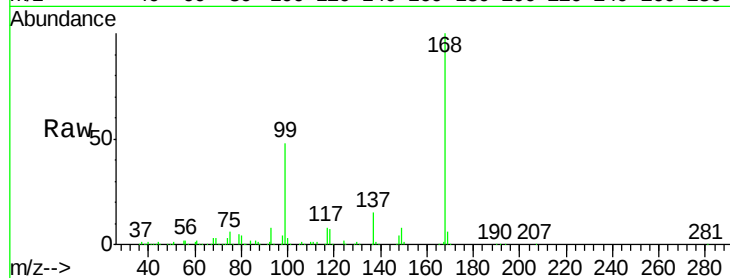
CL-02-030819-B

Tot Ion:168 Resp: 1572530

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): VNO

7.67

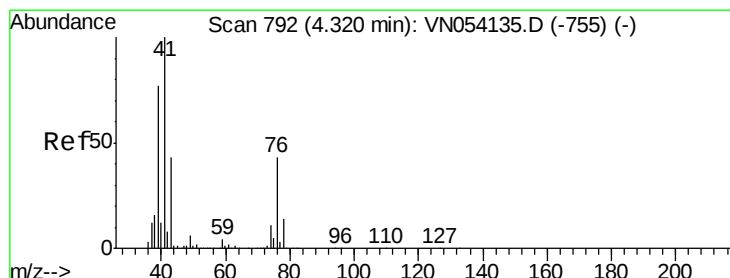
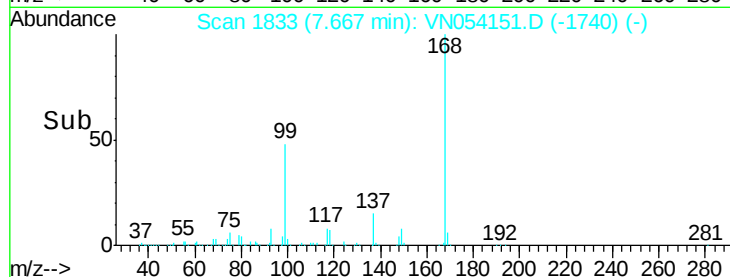
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#14

Allyl chloride

Concen: 1.605 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

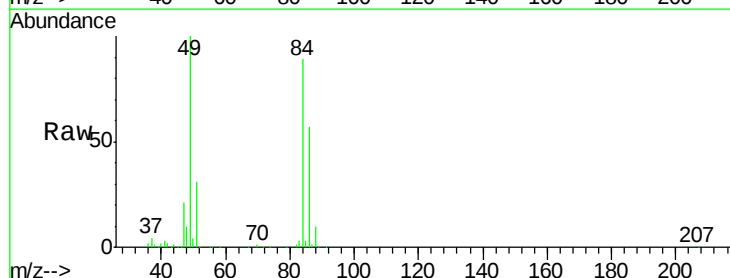
Tgt Ion: 41 Resp: 34672

Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.54

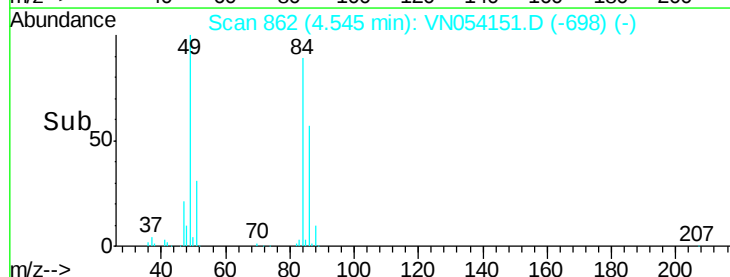
15000

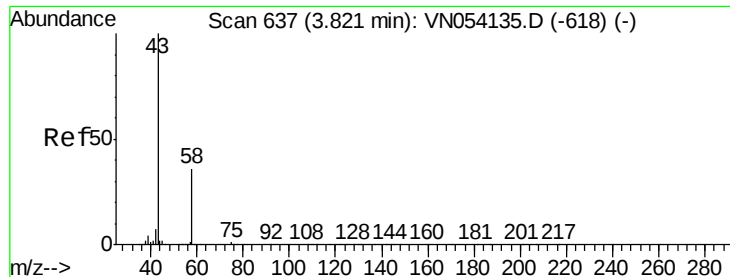
10000

5000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

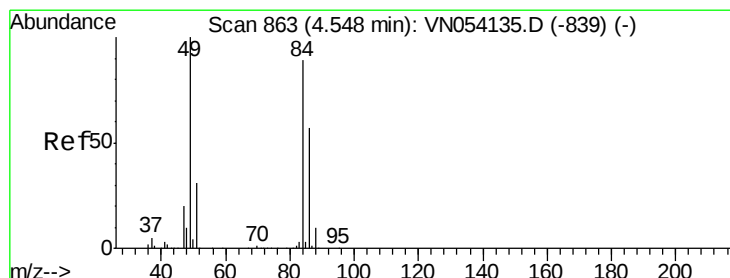
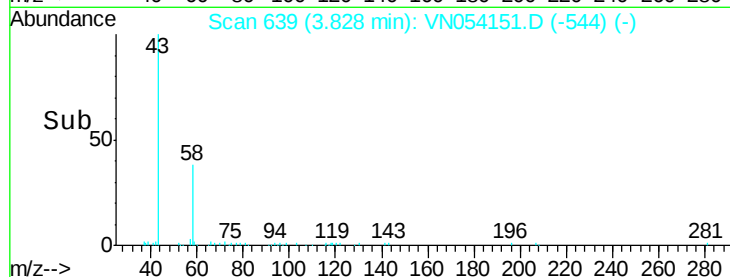
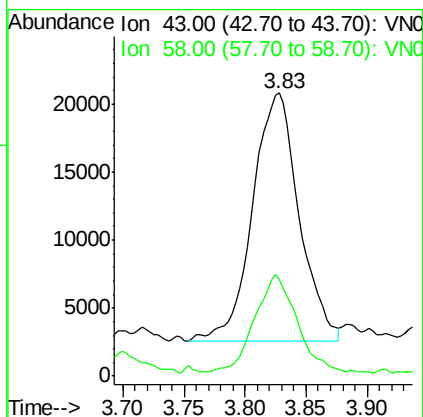
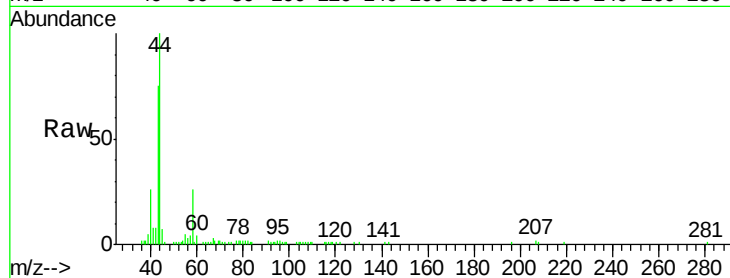
CL-02-030819-B

Tot Ion: 43 Resp: 48338

Ion Ratio Lower Upper

43 100

58 36.0 26.5 39.7



#20

Methylene Chloride

Concen: 75.508 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Tgt Ion: 84 Resp: 1142035

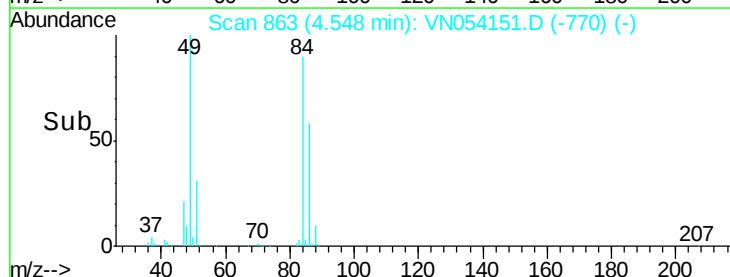
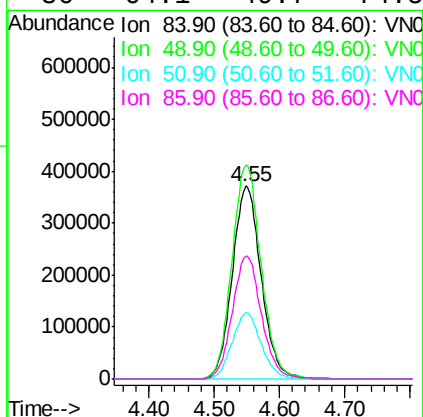
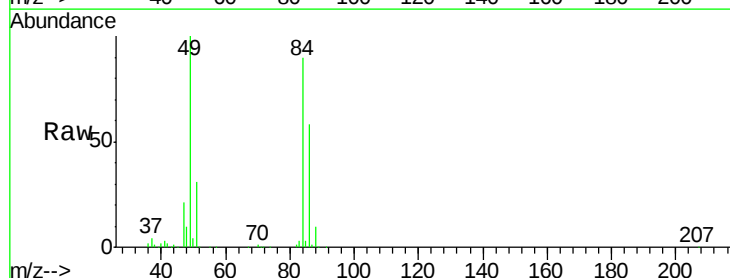
Ion Ratio Lower Upper

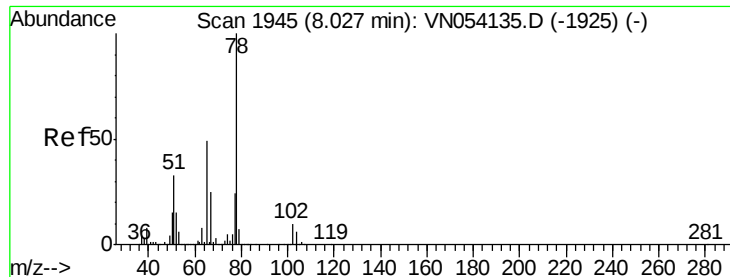
84 100

49 110.8 101.8 152.8

51 34.3 31.1 46.7

86 64.1 49.7 74.5





#33

1,2-Dichloroethane-d4

Concen: 50.753 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

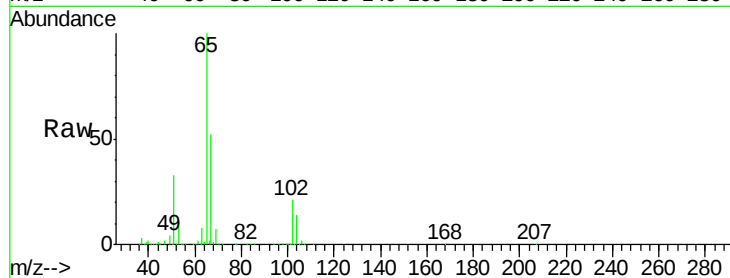
CL-02-030819-B

Tot Ion: 65 Resp: 853516

Ion Ratio Lower Upper

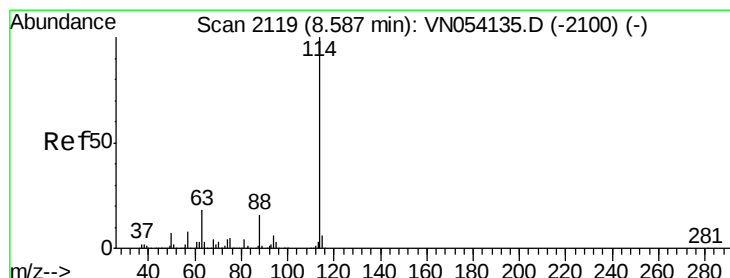
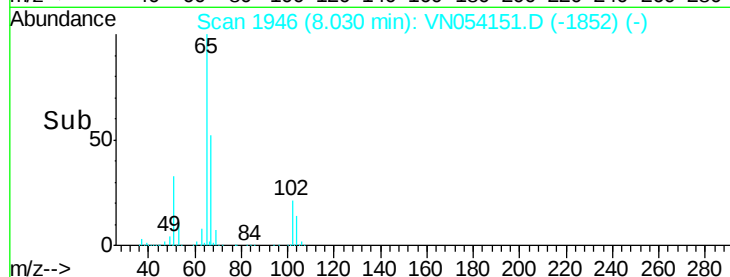
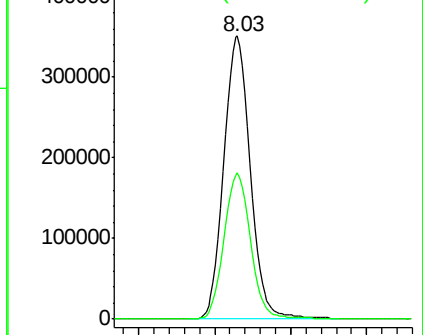
65 100

67 51.9 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN054151.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054151.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

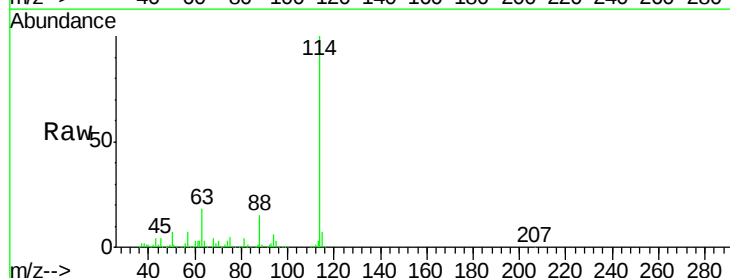
Tgt Ion: 114 Resp: 2577195

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.6

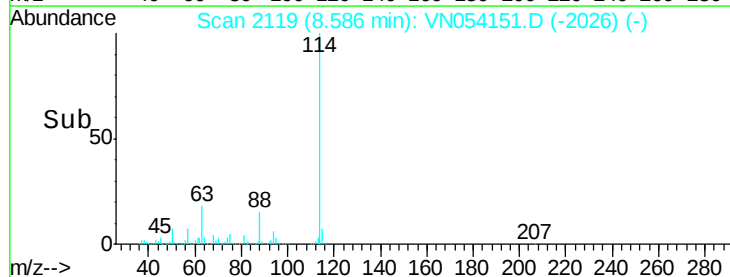
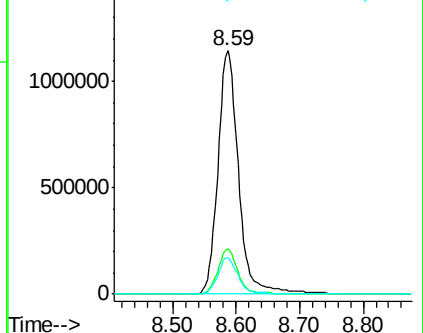
88 14.9 0.0 31.8

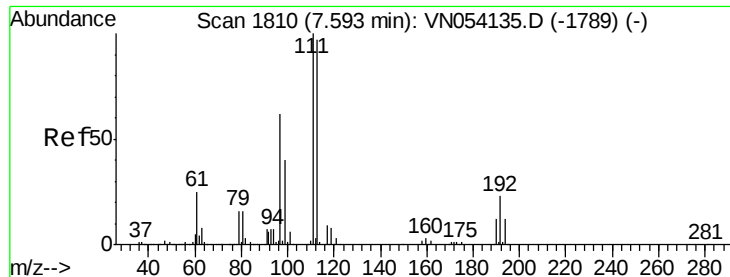


Abundance Ion 113.90 (113.60 to 114.60): VN054151.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN054151.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN054151.D (-2100) (-)

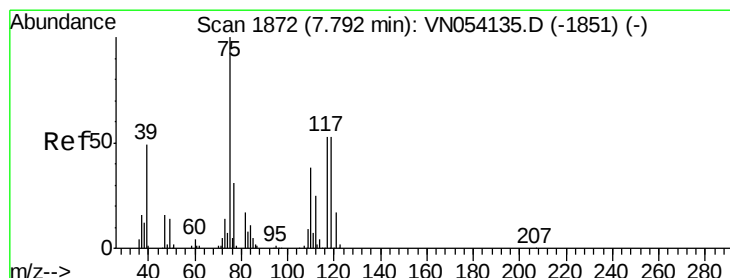
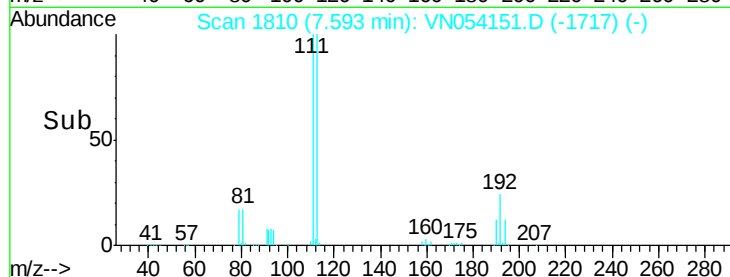
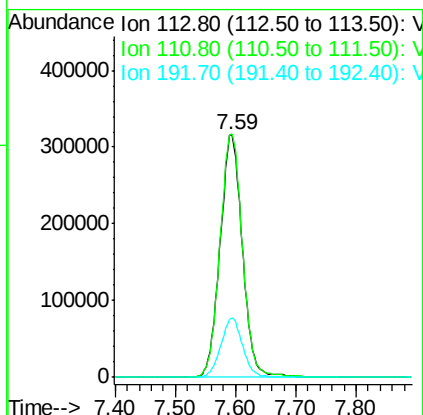
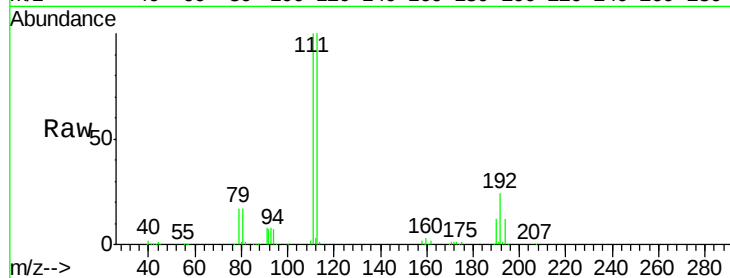




#35
Dibromofluoromethane
Concen: 48.549 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN054151.D
Acq: 11 Mar 2019 19:44

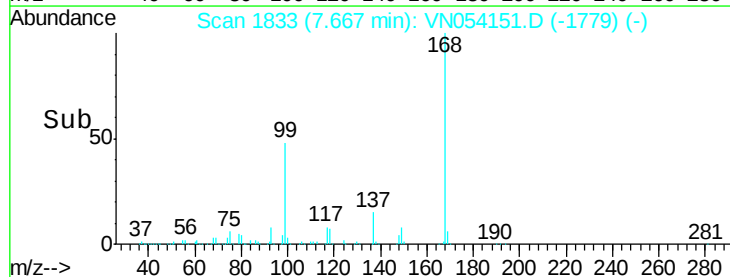
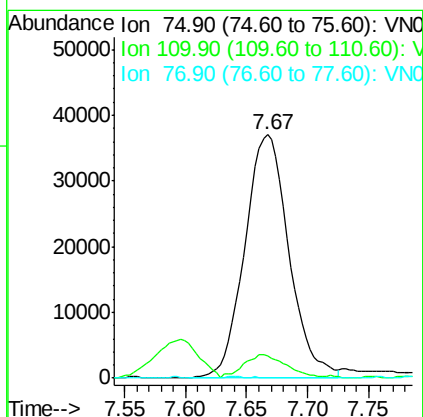
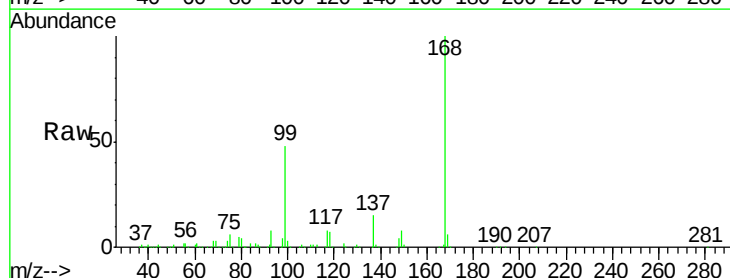
Instrument :
MSVOA_N
ClientSampleId :
CL-02-030819-B

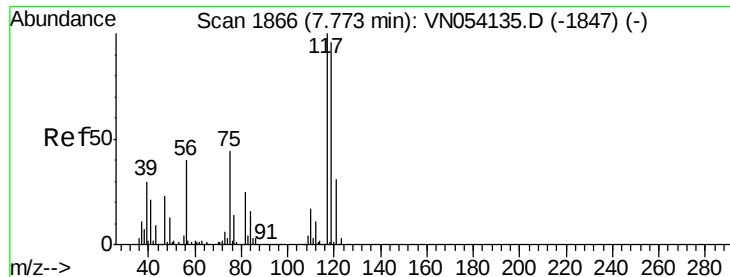
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	23.8	17.4	26.0



#36
1,1-Dichloropropene
Concen: 4.141 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN054151.D
Acq: 11 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.1	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 5.036 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

CL-02-030819-B

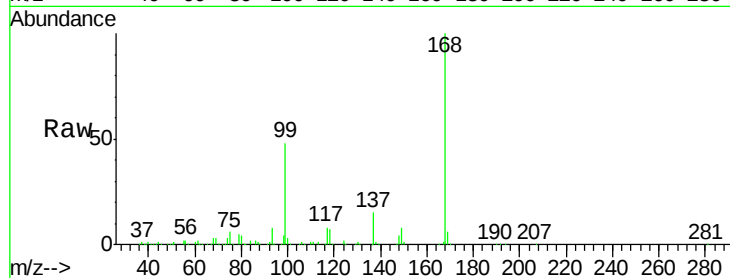
Tot Ion:117 Resp: 125209

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

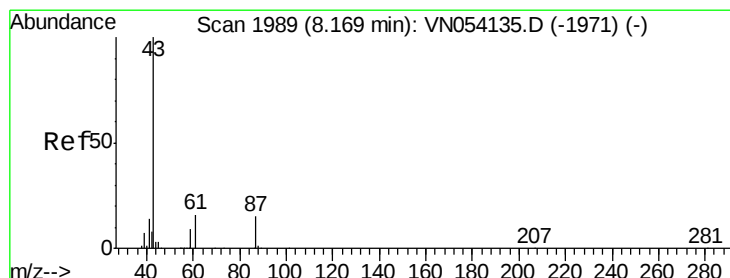
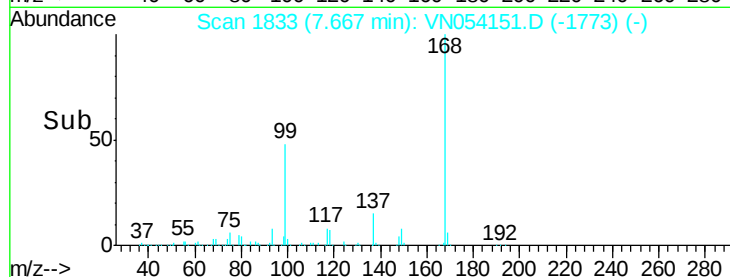
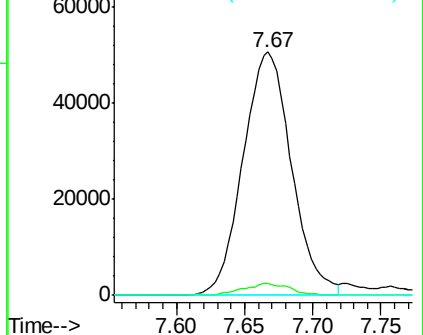
121 0.0 24.3 36.5#



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: 2.115 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

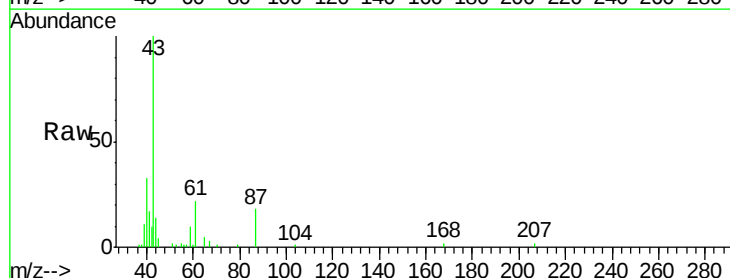
Tgt Ion: 43 Resp: 51135

Ion Ratio Lower Upper

43 100

61 21.5 22.5 33.7#

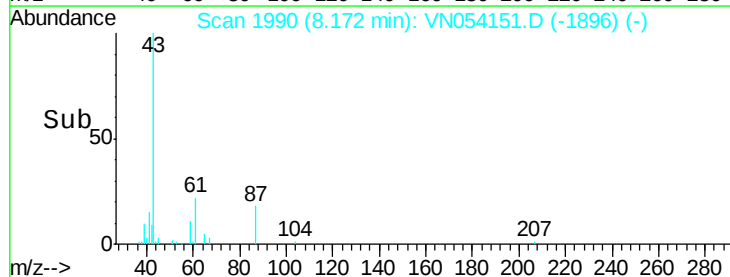
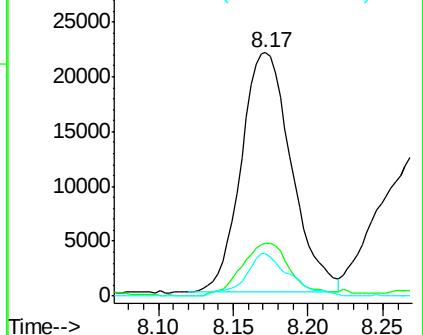
87 15.5 10.1 15.1#

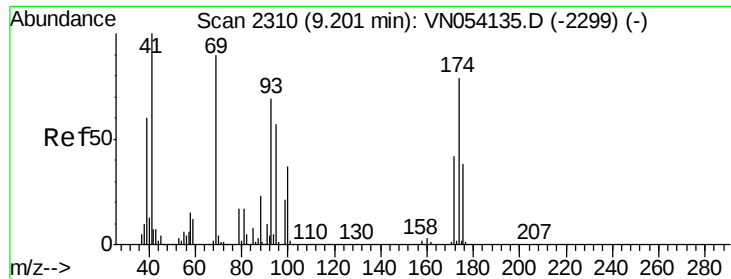


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#48

Methvl methacrylate

Concen: 1.447 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

CL-02-030819-B

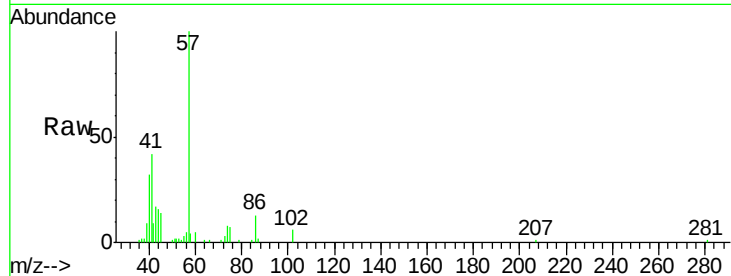
Tot Ion: 41 Resp: 18806

Ion Ratio Lower Upper

41 100

69 1.6 71.0 106.4#

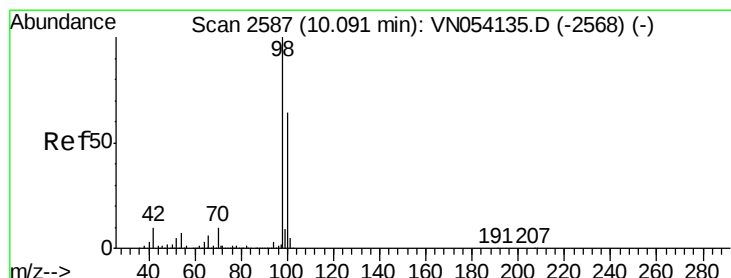
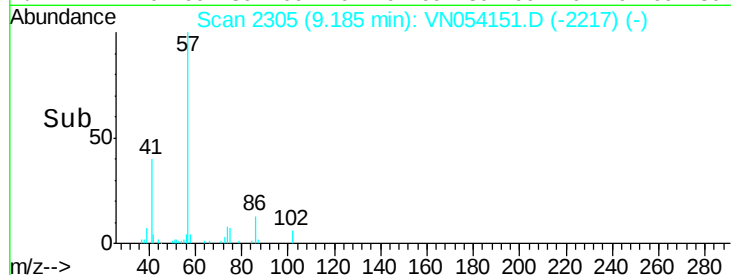
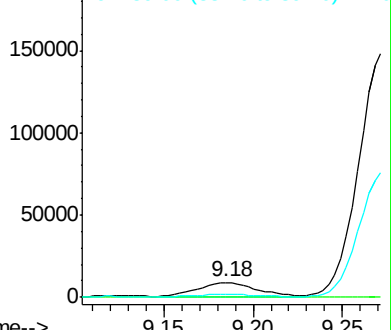
39 0.0 43.7 65.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

Toluene-d8

Concen: 52.924 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054151.D

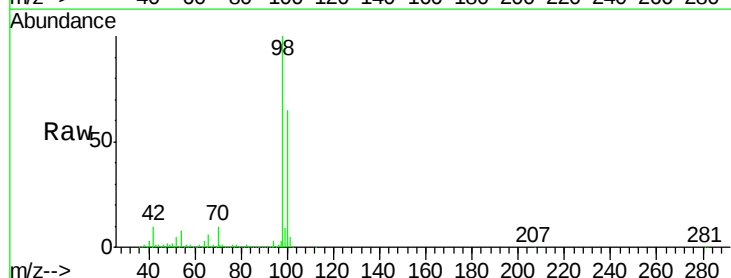
Acq: 11 Mar 2019 19:44

Tgt Ion: 98 Resp: 3241902

Ion Ratio Lower Upper

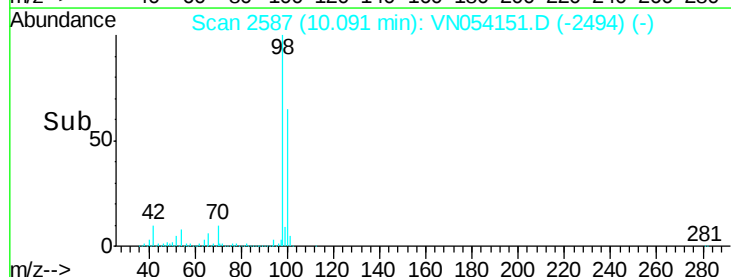
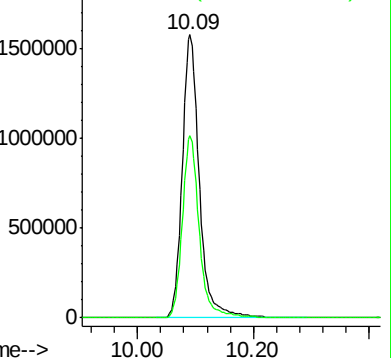
98 100

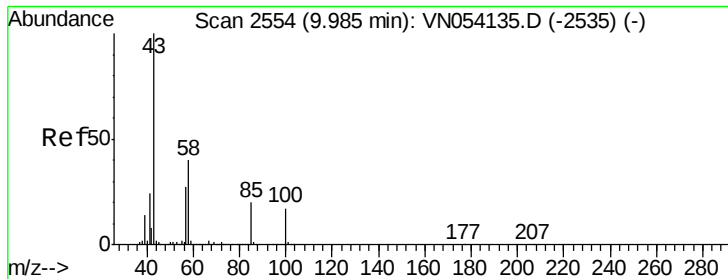
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.390 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

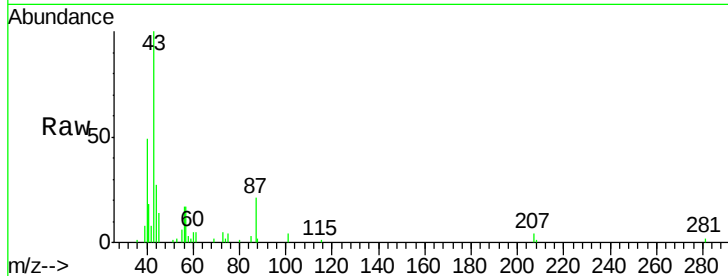
CL-02-030819-B

Tot Ion: 43 Resp: 18030

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.03

15000

10000

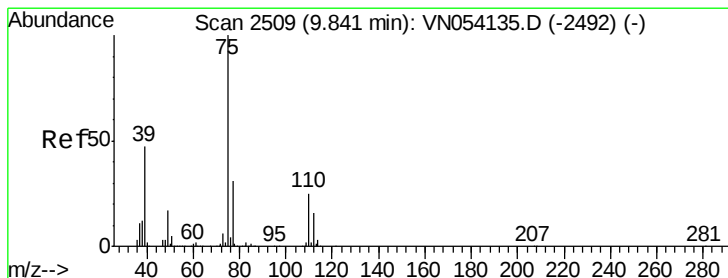
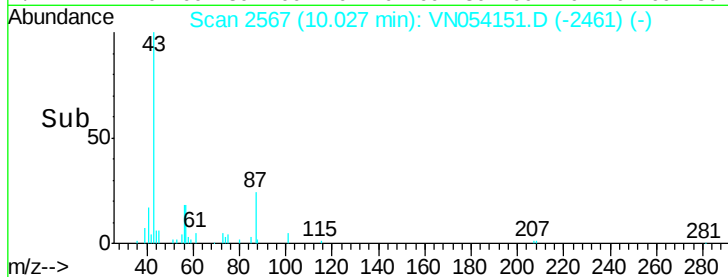
5000

0

Time-->

10.00

10.05



#54

cis-1,3-Dichloropropene

Concen: 5.725 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

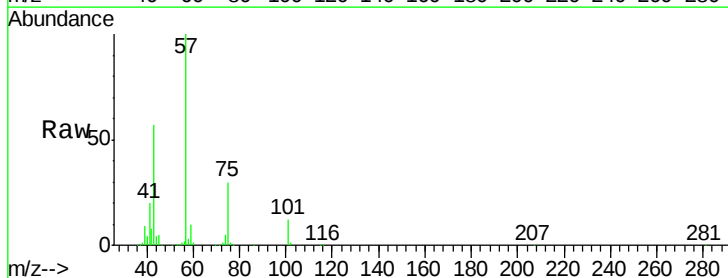
Tgt Ion: 75 Resp: 151620

Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

39 28.5 36.2 54.2#



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

100000

80000

60000

40000

20000

0

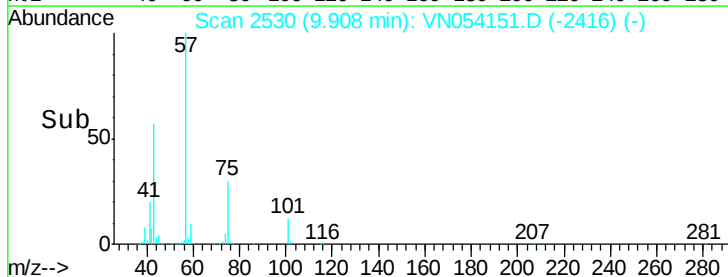
Time-->

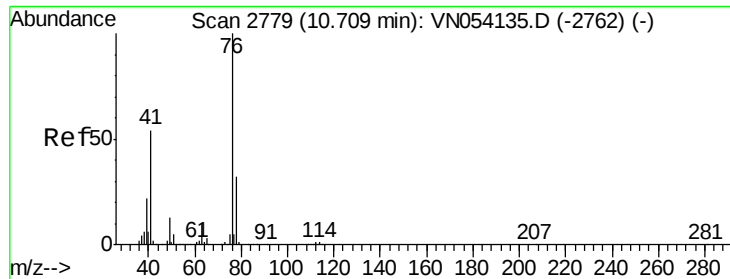
9.85

9.90

9.95

10.00

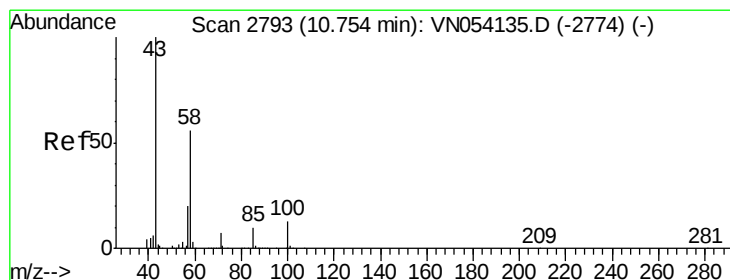
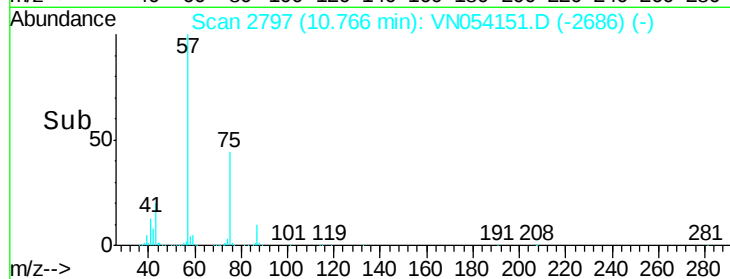
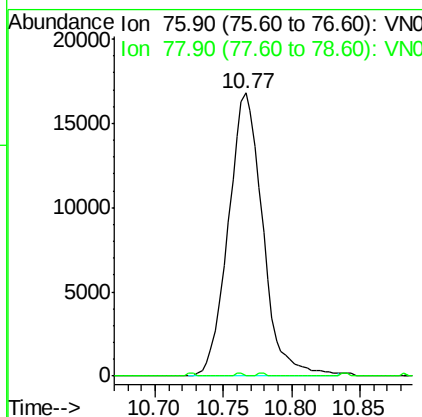
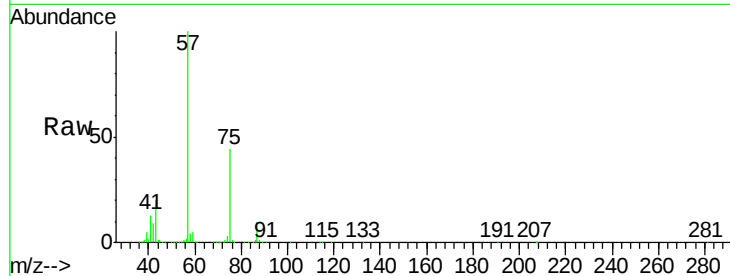




#57
 1,3-Dichloropropane
 Concen: 1.171 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054151.D
 Acq: 11 Mar 2019 19:44

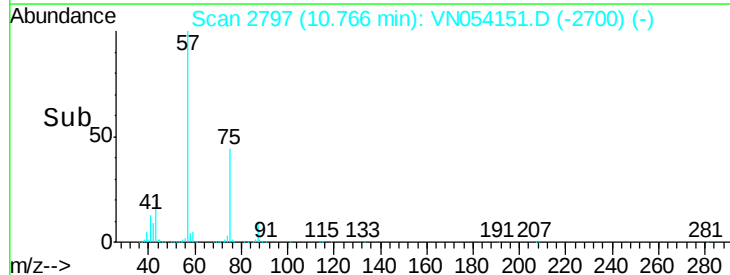
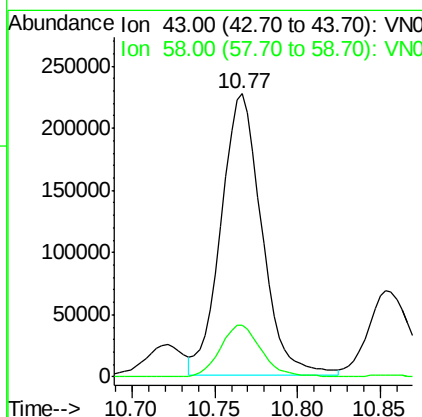
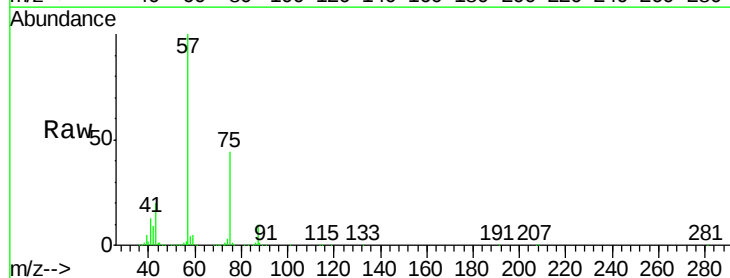
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-030819-B

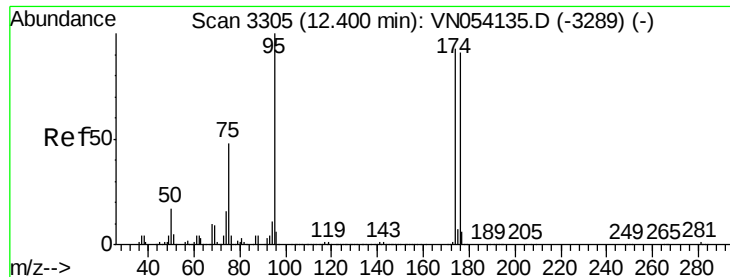
Tot Ion: 76 Resp: 29483
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.9 38.9#



#59
 2-Hexanone
 Concen: 45.176 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054151.D
 Acq: 11 Mar 2019 19:44

Tgt Ion: 43 Resp: 388815
 Ion Ratio Lower Upper
 43 100
 58 18.7 27.0 81.0#





#62

4-Bromofluorobenzene

Concen: 58.622 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

CL-02-030819-B

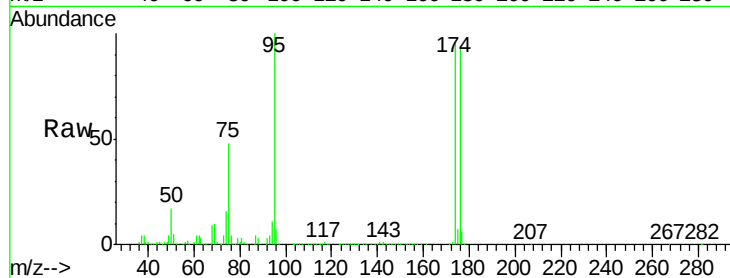
Tot Ion: 95 Resp: 1257174

Ion Ratio Lower Upper

95 100

174 96.3 0.0 173.2

176 93.9 0.0 168.8

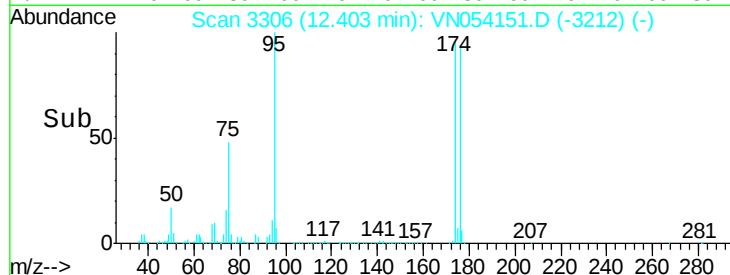


Abundance Ion 94.90 (94.60 to 95.60): VN054135.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054135.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054135.D (-3289) (-)

Time-->



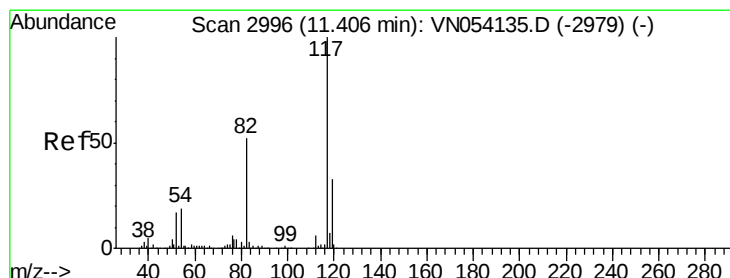
Abundance

Ion 94.90 (94.60 to 95.60): VN054135.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054135.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054135.D (-3289) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

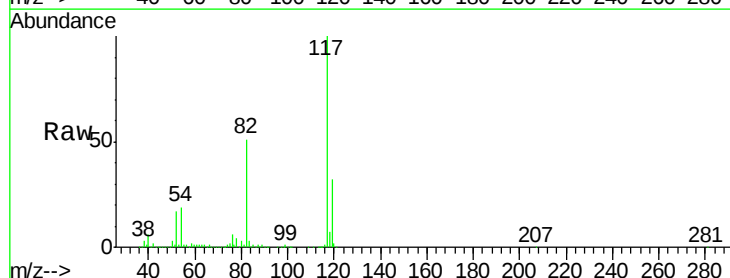
Tgt Ion: 117 Resp: 2718886

Ion Ratio Lower Upper

117 100

82 50.5 43.4 65.2

119 32.4 26.0 39.0

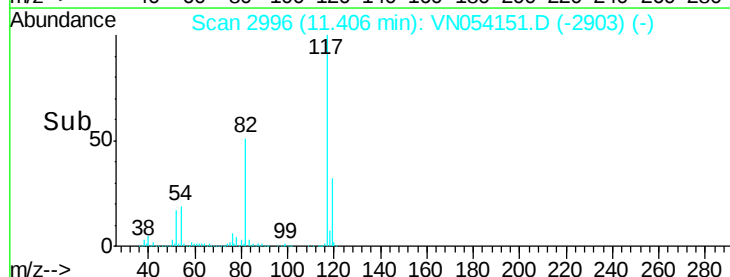


Abundance Ion 116.90 (116.60 to 117.60): VN054135.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN054135.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN054135.D (-2979) (-)

Time-->



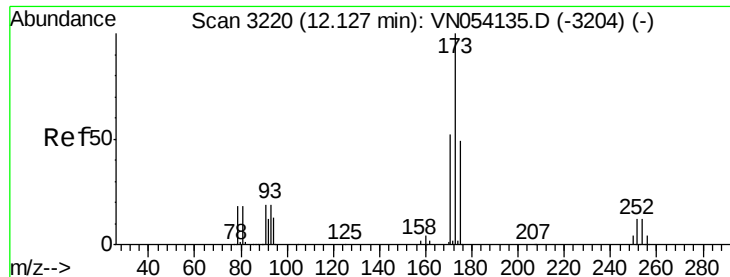
Abundance

Ion 116.90 (116.60 to 117.60): VN054135.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN054135.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN054135.D (-2979) (-)

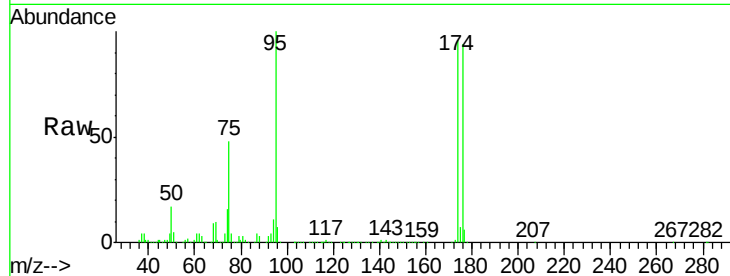
Time-->



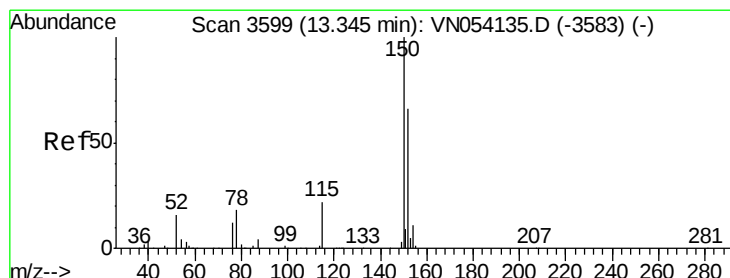
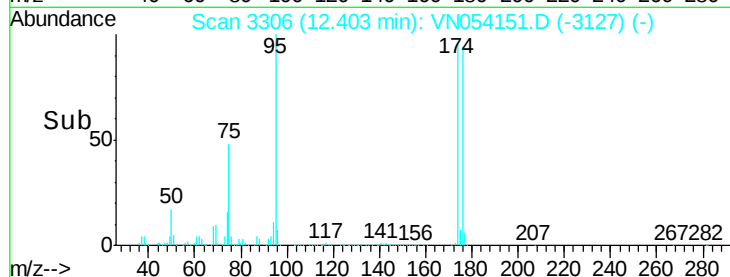
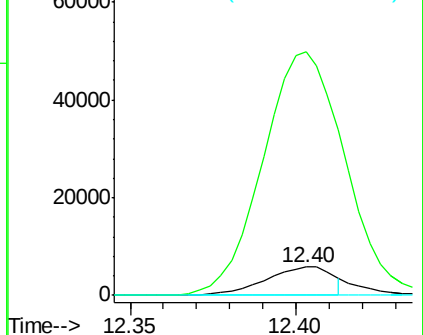
#71
Bromoform
Concen: 0.540 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054151.D
Acq: 11 Mar 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
CL-02-030819-B

Tot Ion:173 Resp: 8106
Ion Ratio Lower Upper
173 100
175 899.8 24.1 72.2#
254 0.0 0.0 0.0

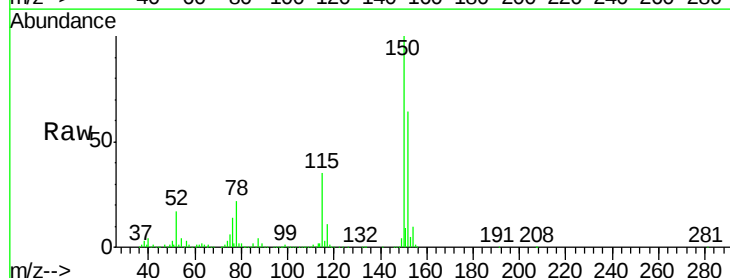


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

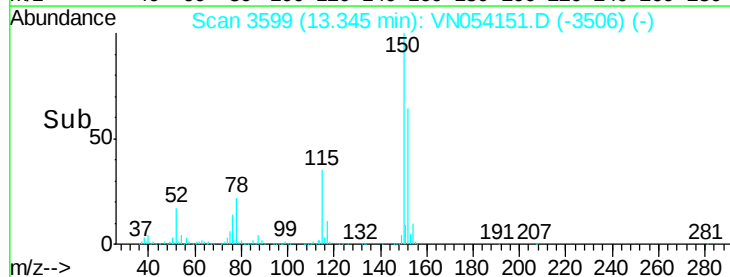
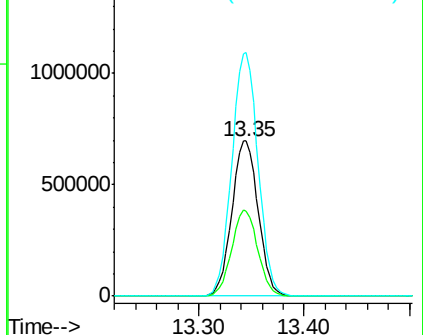


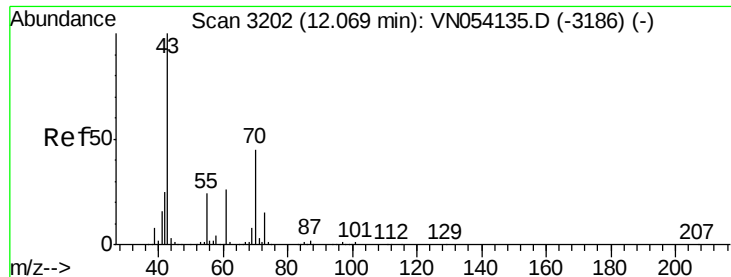
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN054151.D
Acq: 11 Mar 2019 19:44

Tgt Ion:152 Resp: 1198681
Ion Ratio Lower Upper
152 100
115 54.7 28.5 85.6
150 156.4 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





#74

N-amyl acetate

Concen: 1.842 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

CL-02-030819-B

Tot Ion: 43 Resp: 39991

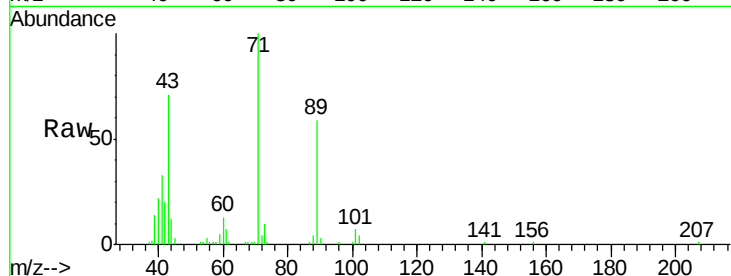
Ion Ratio Lower Upper

43 100

70 2.1 33.6 50.4#

55 4.0 20.6 31.0#

61 11.7 19.4 29.2#

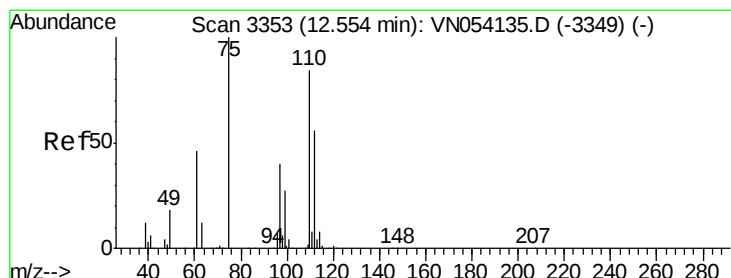
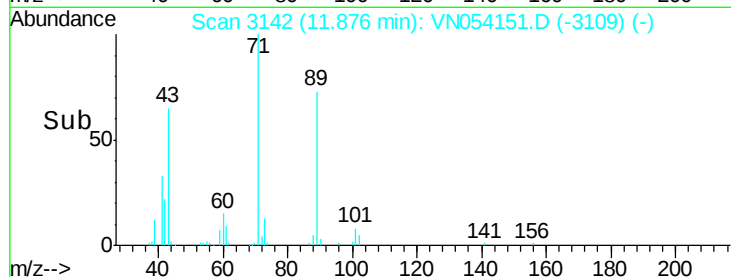
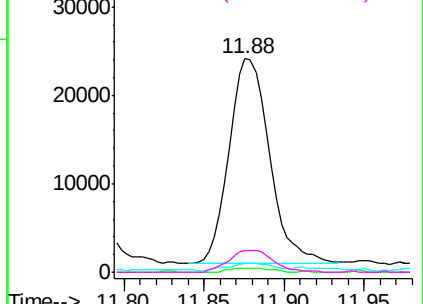


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 36.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054151.D

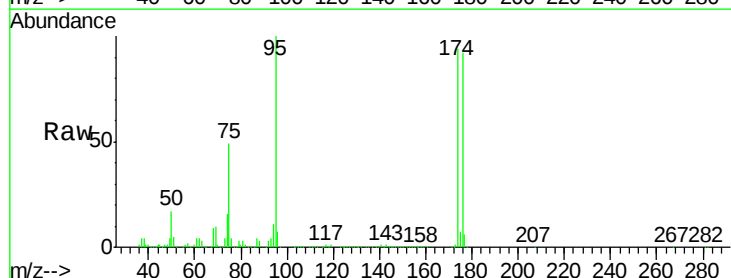
Acq: 11 Mar 2019 19:44

Tgt Ion: 75 Resp: 612949

Ion Ratio Lower Upper

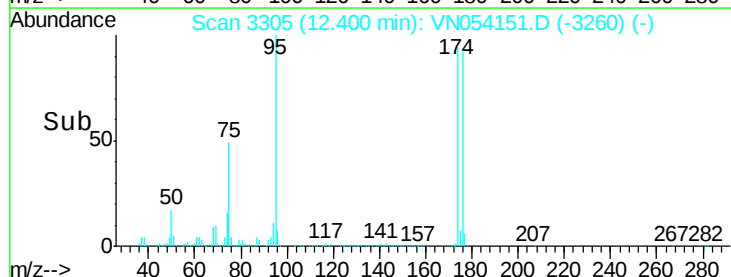
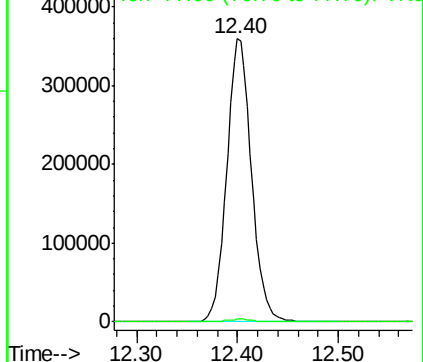
75 100

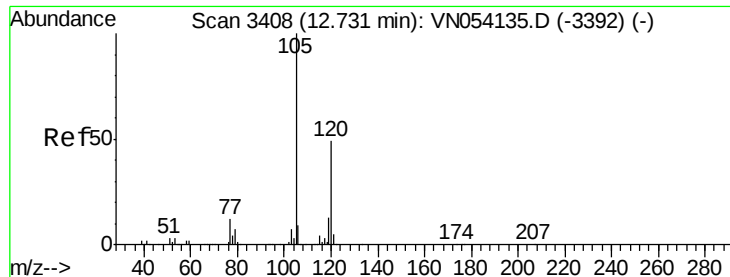
77 1.1 0.0 0.0#



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: 0.512 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

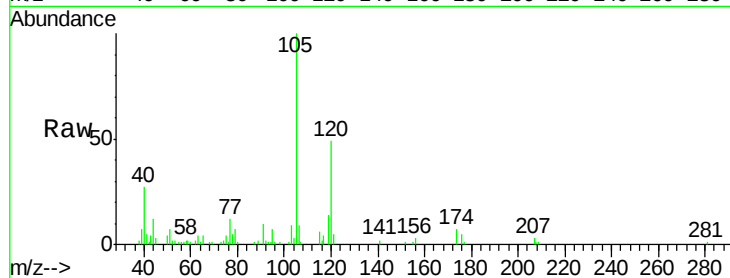
CL-02-030819-B

Tot Ion:105 Resp: 40483

Ion Ratio Lower Upper

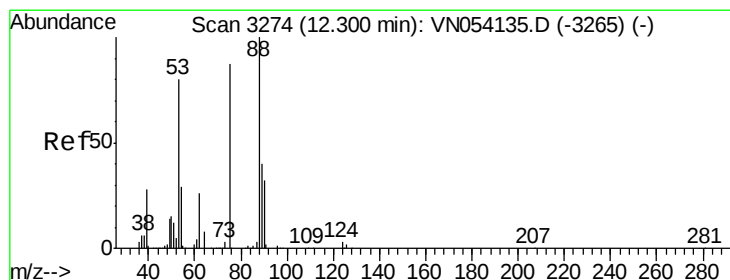
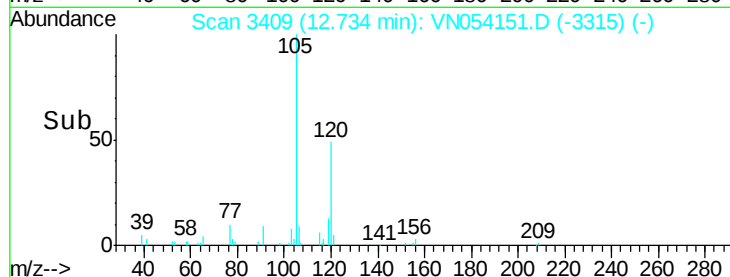
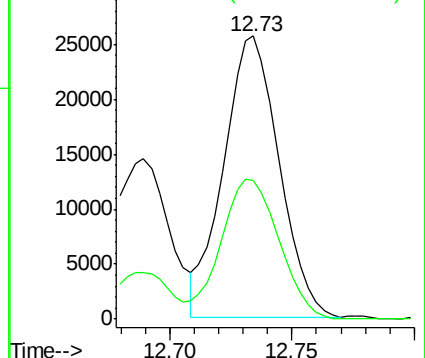
105 100

120 52.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 107.789 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

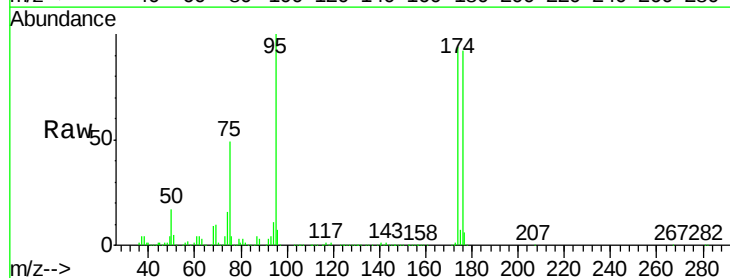
Tgt Ion: 75 Resp: 612949

Ion Ratio Lower Upper

75 100

53 0.0 76.4 114.6#

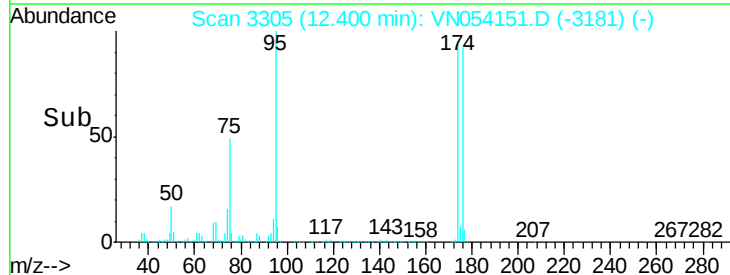
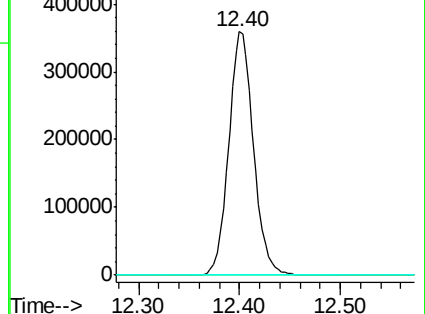
89 0.0 35.3 52.9#

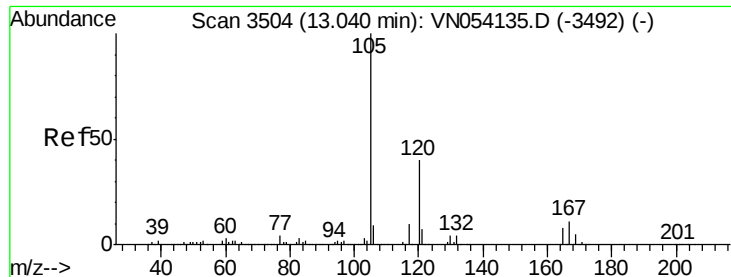


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.726 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

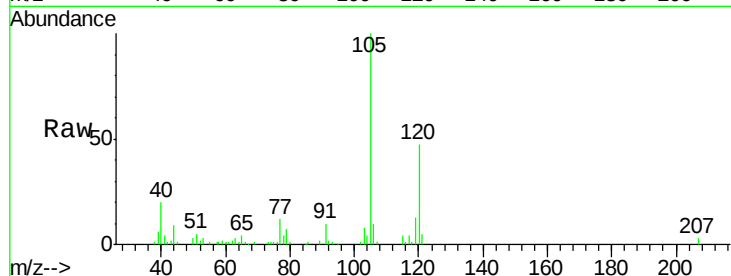
CL-02-030819-B

Tot Ion:105 Resp: 56220

Ion Ratio Lower Upper

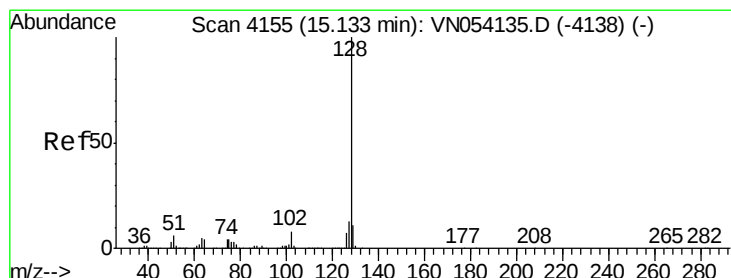
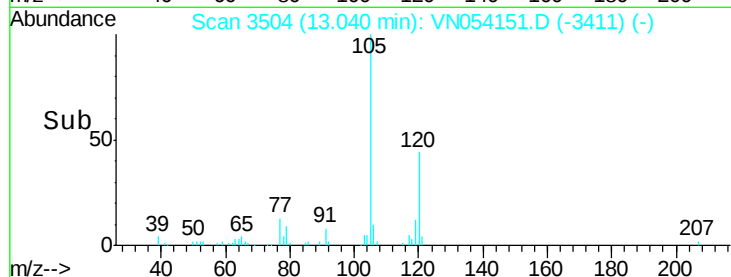
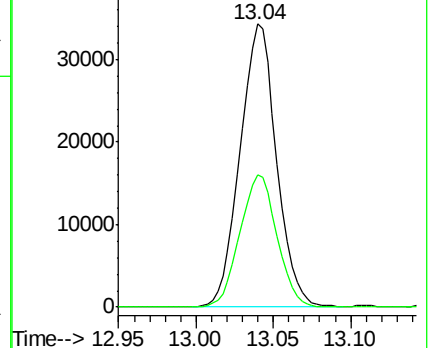
105 100

120 47.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.357 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054151.D

Acq: 11 Mar 2019 19:44

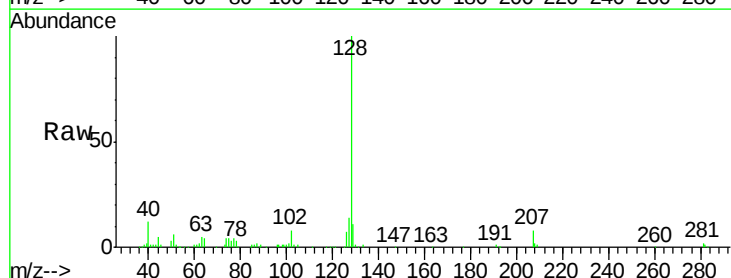
Tgt Ion:128 Resp: 105599

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.3 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

