

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055930.D
 Acq On : 31 May 2019 19:44
 Operator : JC/SP
 Sample : K3129-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW043-190529

Quant Time: Jun 01 02:03:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	362113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	539555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148300	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	197333	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	169577	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	687744	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.40	95	206834	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

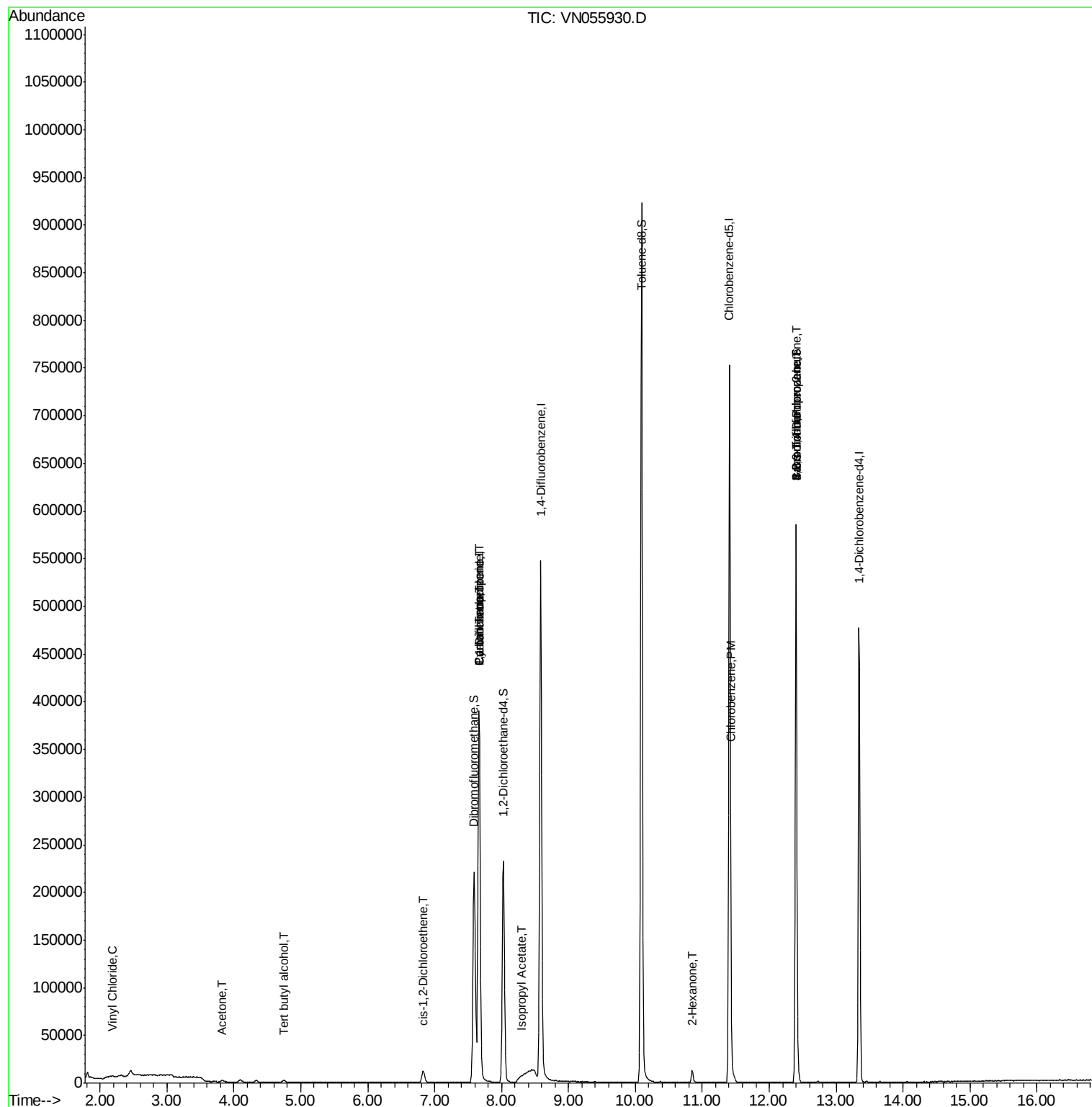
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	844	0.232	ug/l	94
11) Tert butyl alcohol	4.75	59	1897	2.655	ug/l #	74
16) Acetone	3.82	43	3281	1.996	ug/l	97
18) Methyl Acetate	4.33	43	4091	Below Cal	#	82
27) cis-1,2-Dichloroethene	6.83	96	8557	2.217	ug/l	91
31) Cyclohexane	7.66	56	5541	0.987	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21371	4.545	ug/l #	49
38) Carbon Tetrachloride	7.66	117	29710	6.066	ug/l #	15
43) Isopropyl Acetate	8.31	43	9699	1.270	ug/l #	53
59) 2-Hexanone	10.85	43	808	0.253	ug/l	62
65) Chlorobenzene	11.43	112	6467	0.669	ug/l	94
71) Bromoform	12.40	173	1353	0.411	ug/l #	1
74) N-amyl acetate	12.03	43	780	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	96281	36.878	ug/l #	100
79) 2-Chlorotoluene	12.40	91	540	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	96281	87.353	ug/l #	15

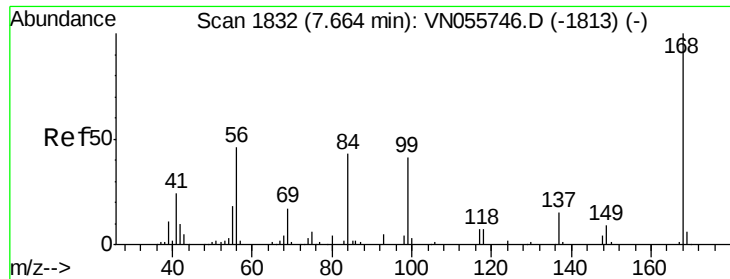
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

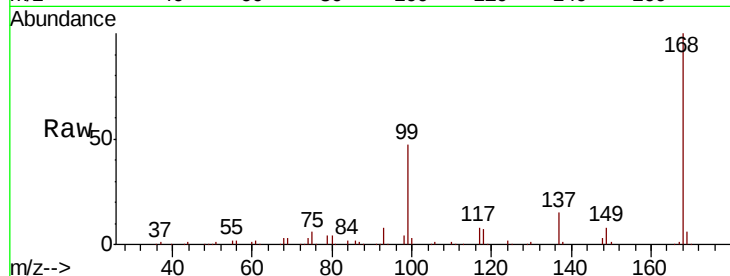
LF012RW043-190529

Tot Ion:168 Resp: 362113

Ion Ratio Lower Upper

168 100

99 46.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

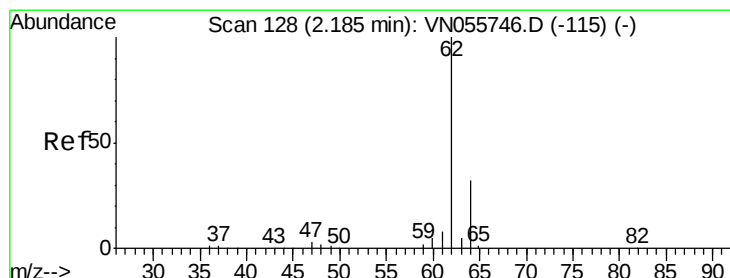
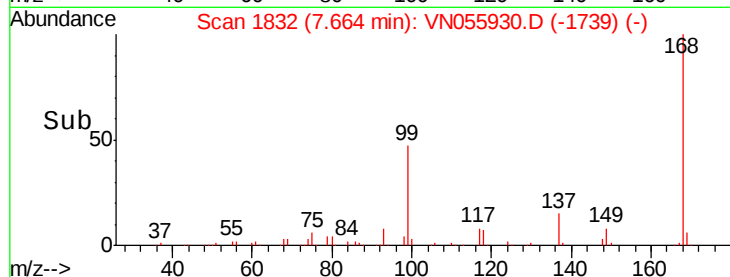
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 0.232 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055930.D

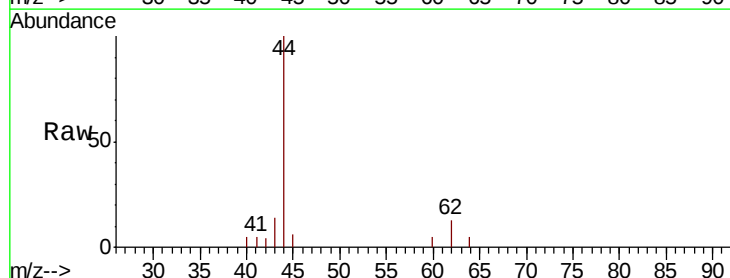
Acq: 31 May 2019 19:44

Tgt Ion: 62 Resp: 844

Ion Ratio Lower Upper

62 100

64 35.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

800

600

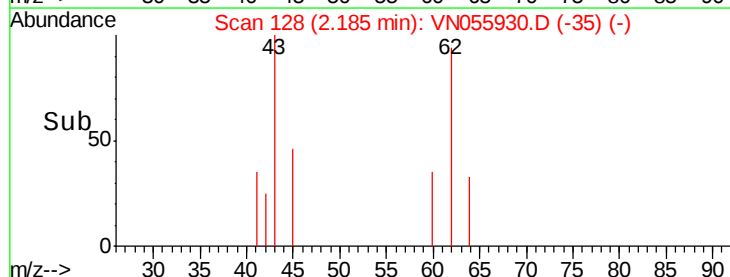
400

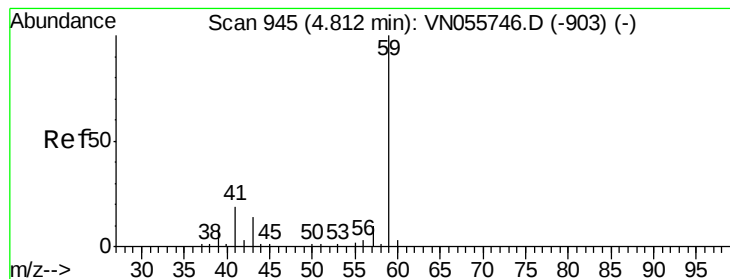
200

0

Time-->

2.14 2.16 2.18 2.20 2.22



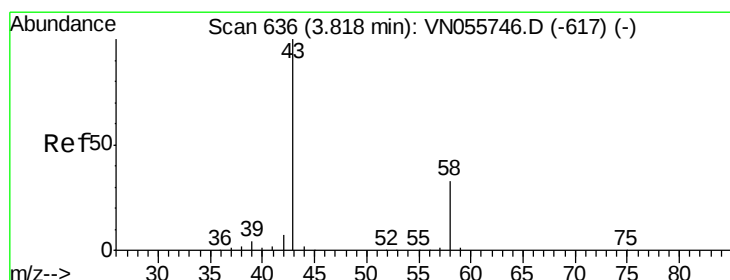
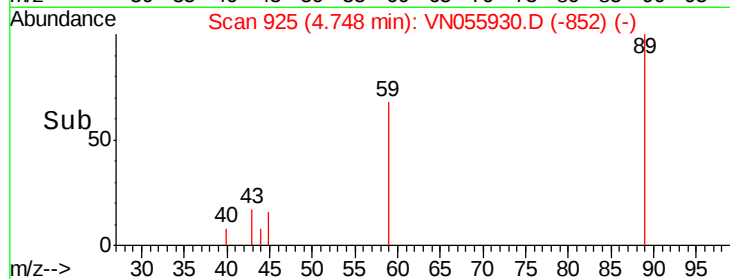
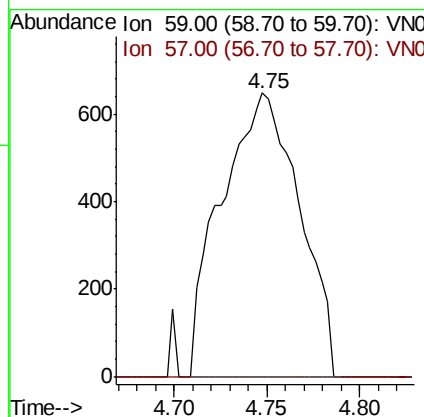
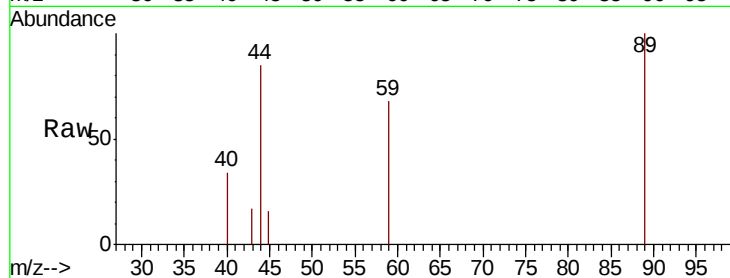


#11

Tert butyl alcohol
 Concen: 2.655 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.06 min
 Lab File: VN055930.D
 Acq: 31 May 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW043-190529

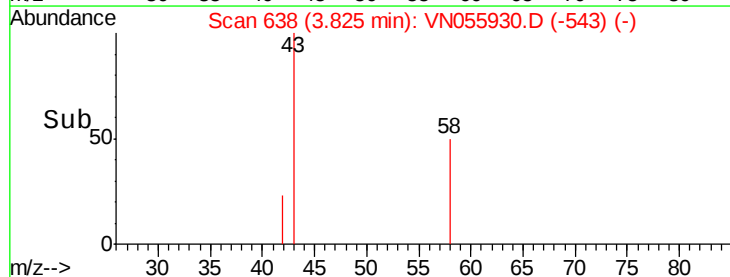
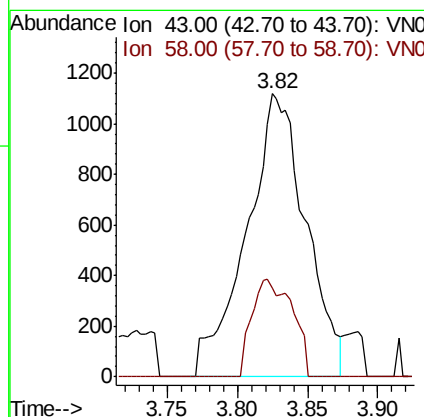
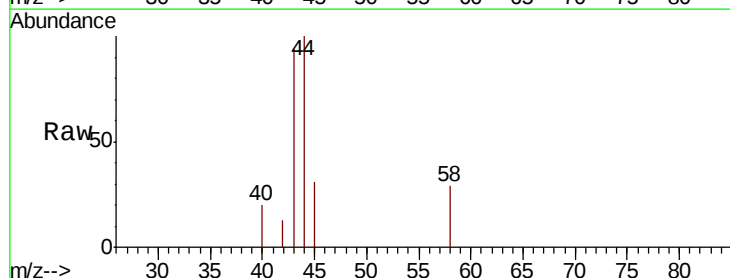
Tot Ion: 59 Resp: 1897
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

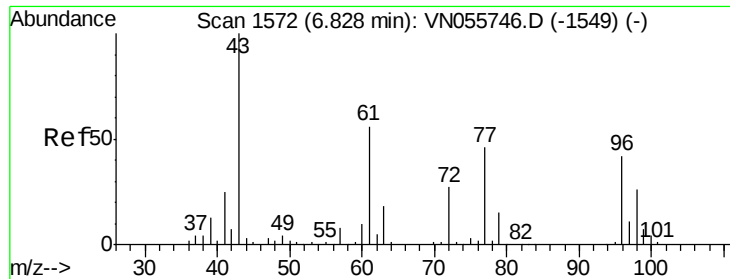


#16

Acetone
 Concen: 1.996 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055930.D
 Acq: 31 May 2019 19:44

Tgt Ion: 43 Resp: 3281
 Ion Ratio Lower Upper
 43 100
 58 31.2 26.6 39.8





#27

cis-1,2-Dichloroethene

Concen: 2.217 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

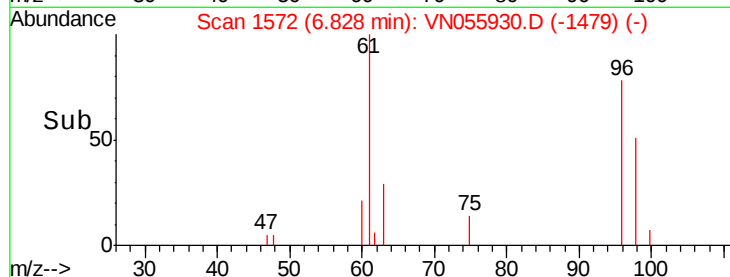
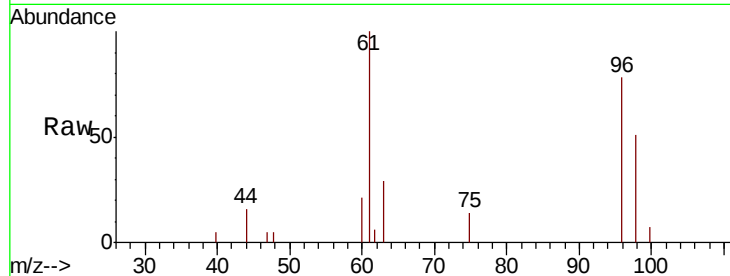
Tot Ion: 96 Resp: 8557

Ion Ratio Lower Upper

96 100

61 121.9 0.0 275.8

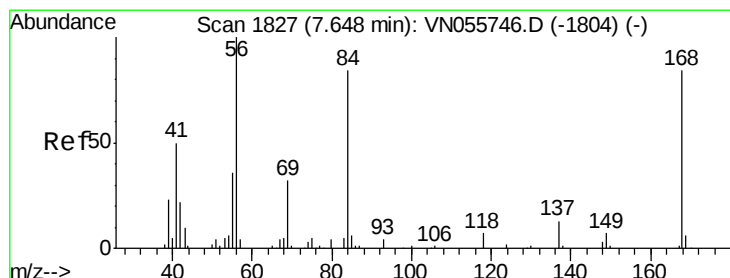
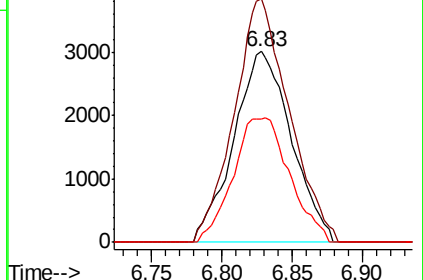
98 64.1 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.987 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

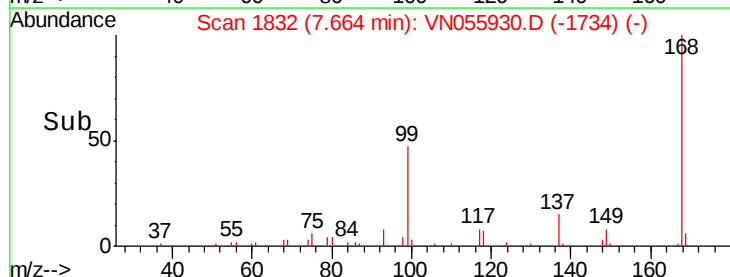
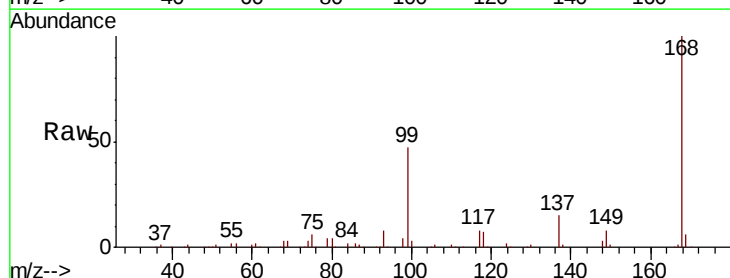
Tgt Ion: 56 Resp: 5541

Ion Ratio Lower Upper

56 100

69 185.1 25.6 38.4#

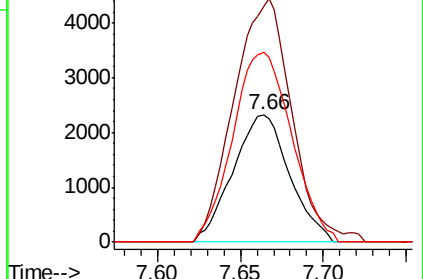
84 149.0 67.4 101.0#

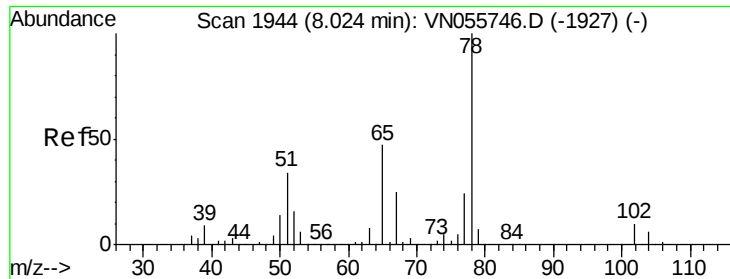


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

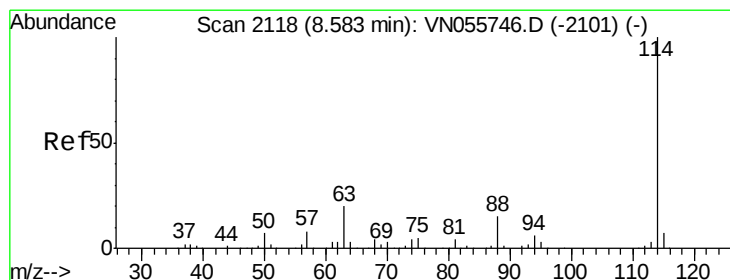
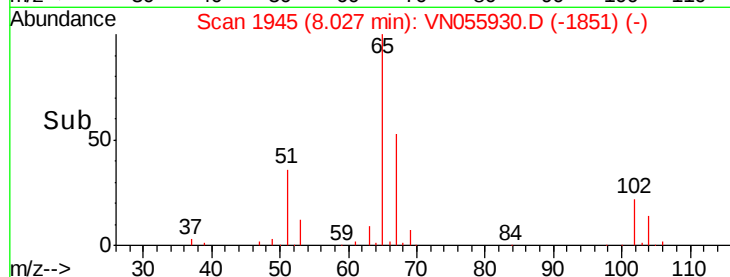
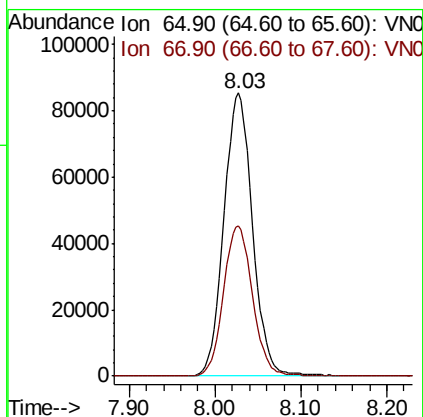
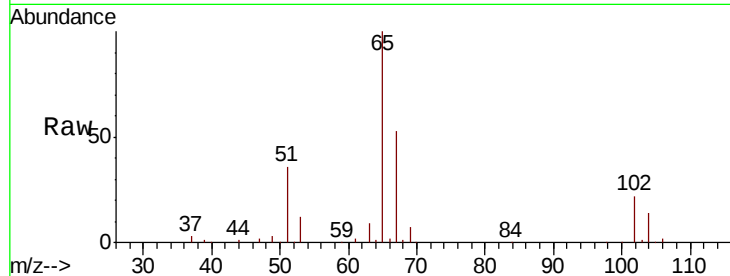




#33
 1,2-Dichloroethane-d4
 Concen: 52.768 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055930.D
 Acq: 31 May 2019 19:44

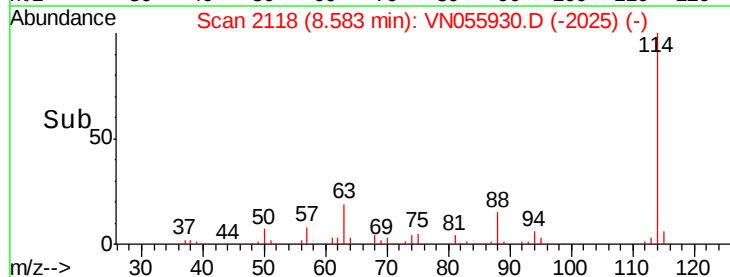
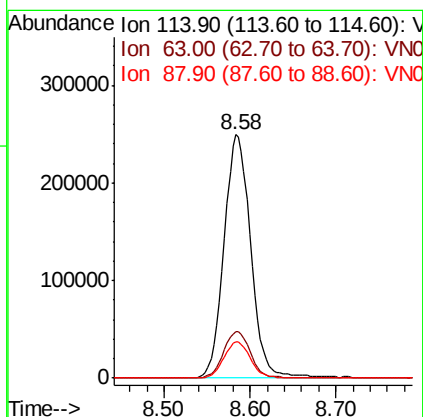
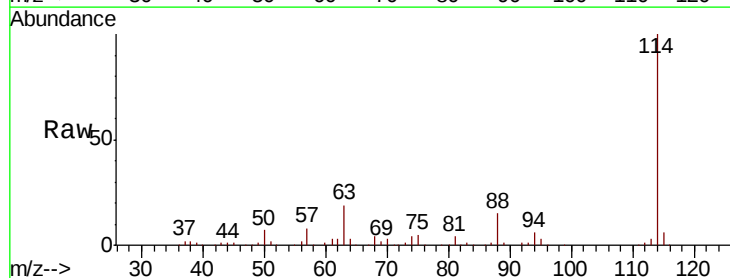
Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW043-190529

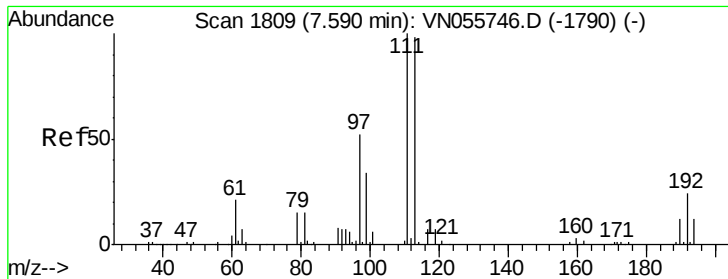
Tot Ion: 65 Resp: 197333
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055930.D
 Acq: 31 May 2019 19:44

Tgt Ion: 114 Resp: 539555
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.711 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

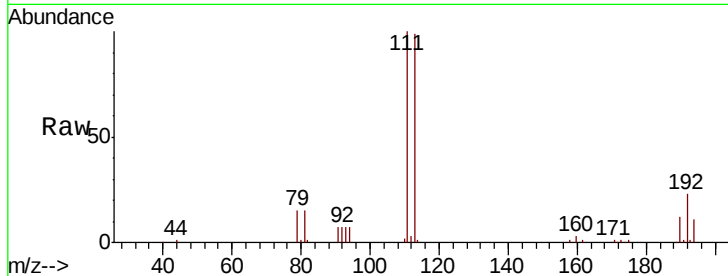
Tot Ion:113 Resp: 169577

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

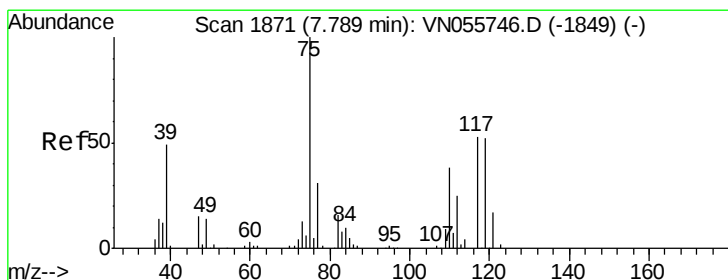
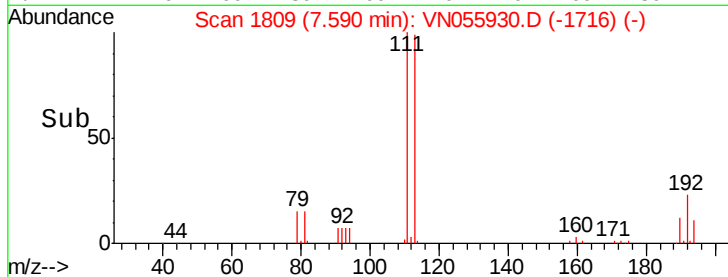
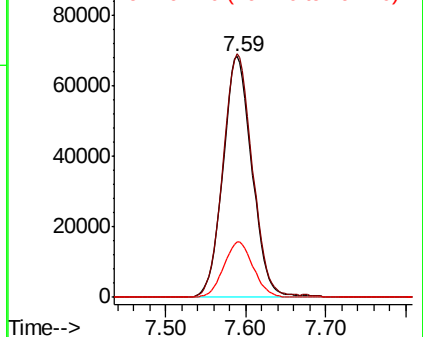
192 23.4 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.545 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

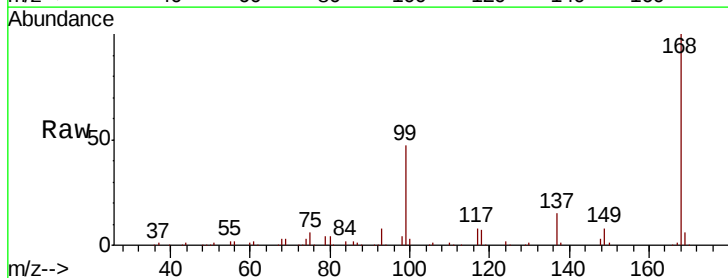
Tgt Ion: 75 Resp: 21371

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

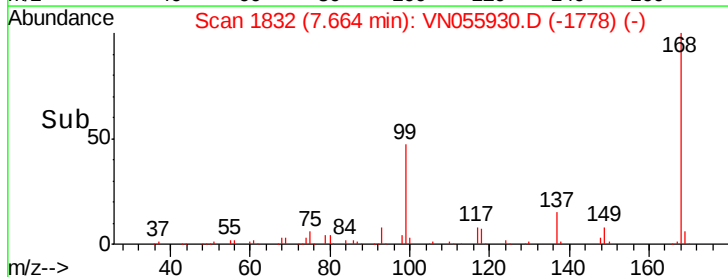
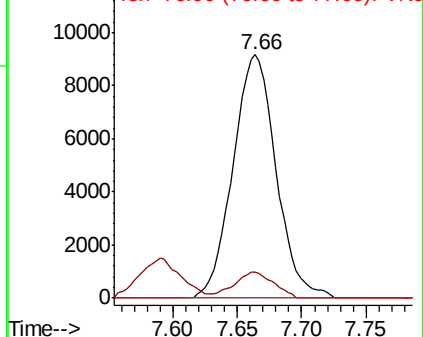
77 0.0 25.1 37.7#

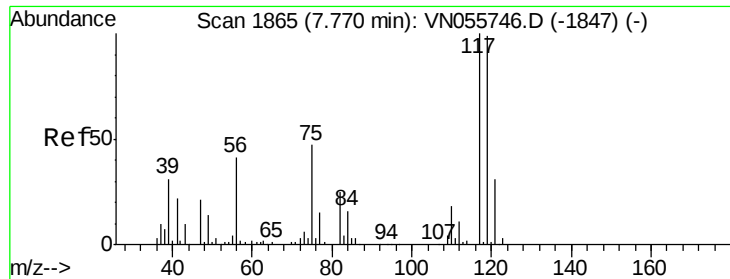


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.066 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

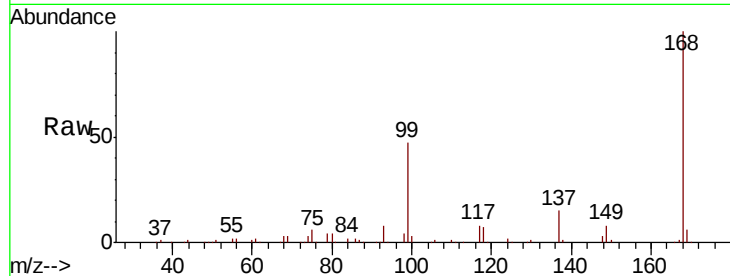
Tot Ion:117 Resp: 29710

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.6#

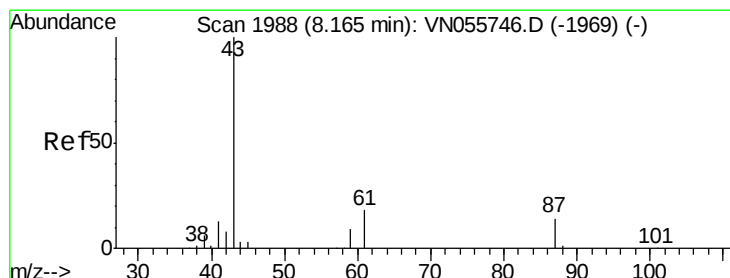
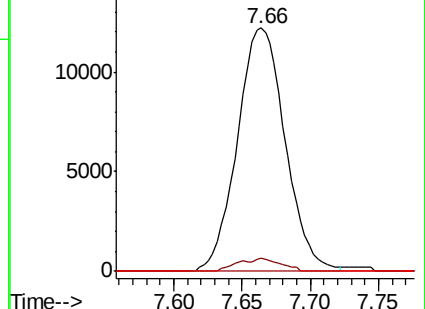
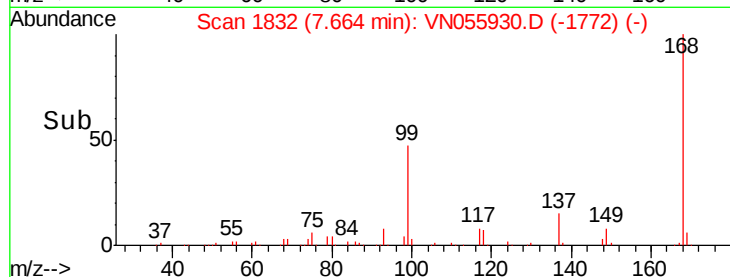
121 0.0 24.7 37.1#



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: 1.270 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

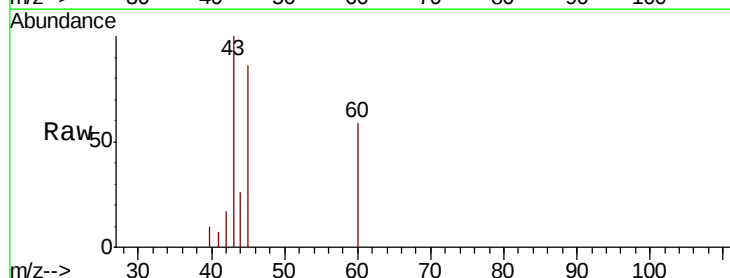
Tgt Ion: 43 Resp: 9699

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

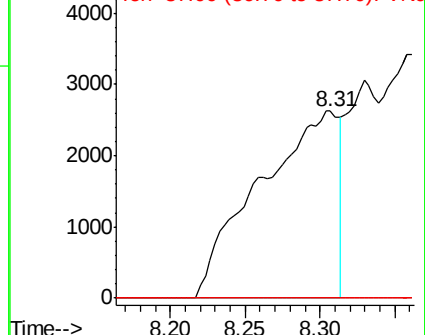
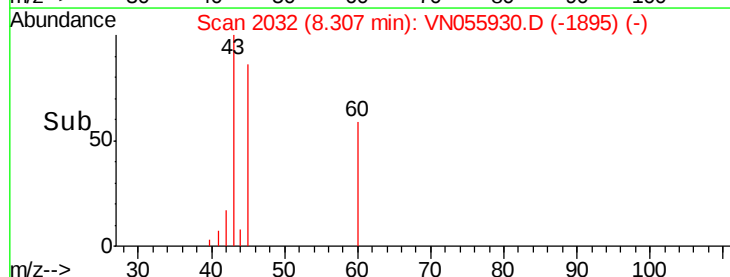
87 0.0 11.4 17.2#

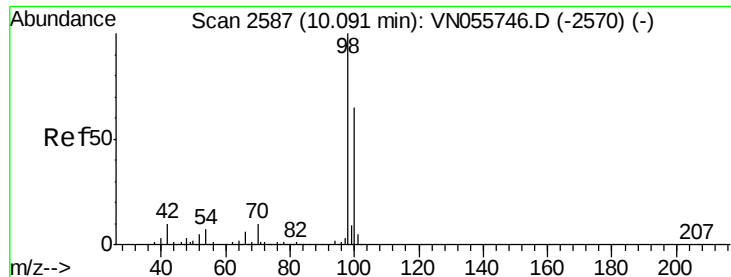


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 52.559 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

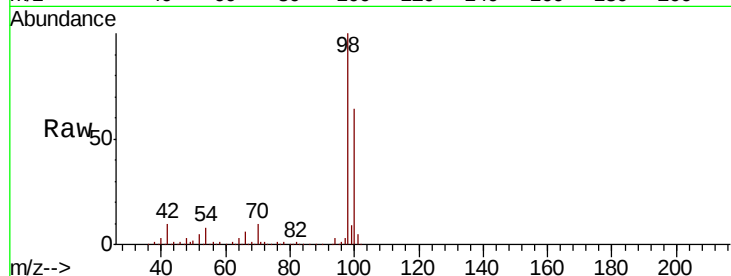
LF012RW043-190529

Tot Ion: 98 Resp: 687744

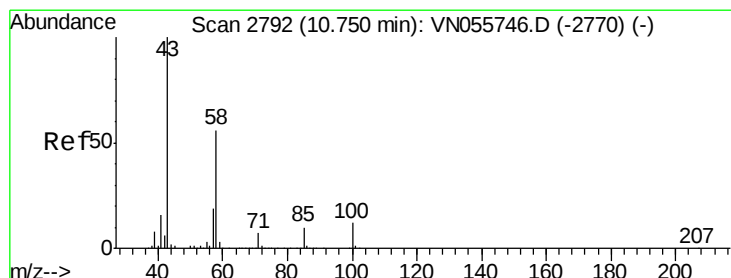
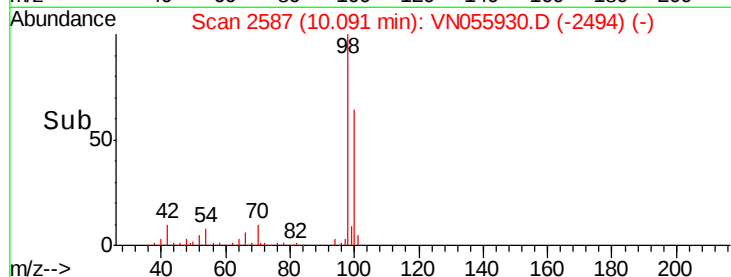
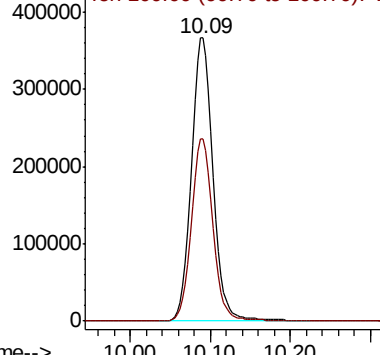
Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055930.D (-2494) (-)



#59

2-Hexanone

Concen: 0.253 ug/l

RT: 10.85 min Scan# 2823

Delta R.T. 0.10 min

Lab File: VN055930.D

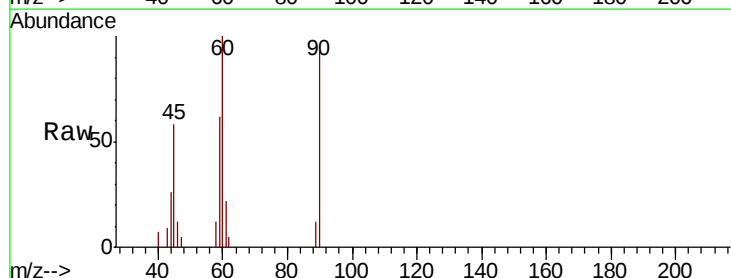
Acq: 31 May 2019 19:44

Tgt Ion: 43 Resp: 808

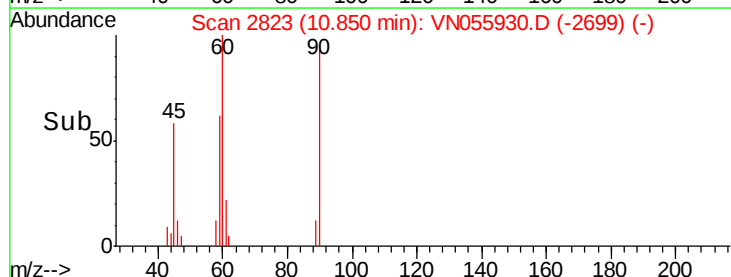
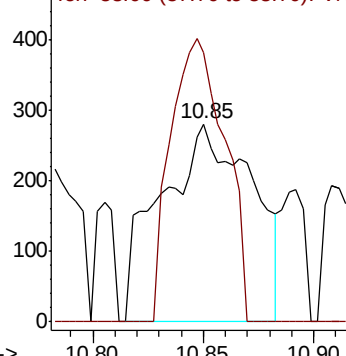
Ion Ratio Lower Upper

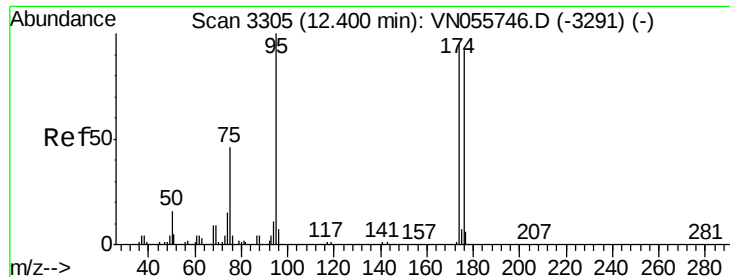
43 100

58 84.5 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN055930.D (-2699) (-)





#62

4-Bromofluorobenzene

Concen: 46.099 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

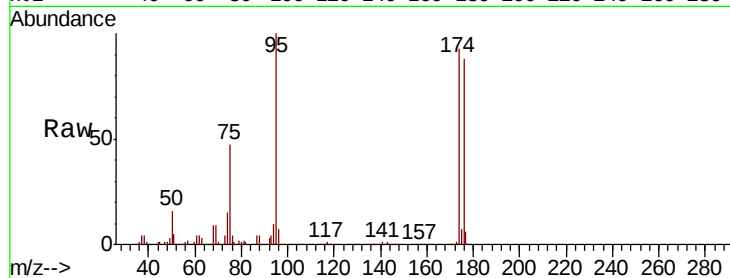
Tot Ion: 95 Resp: 206834

Ion Ratio Lower Upper

95 100

174 92.9 0.0 191.0

176 88.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

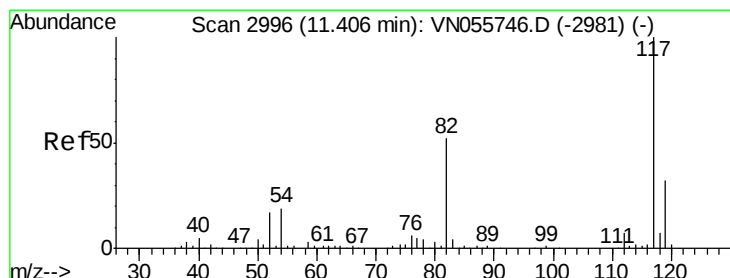
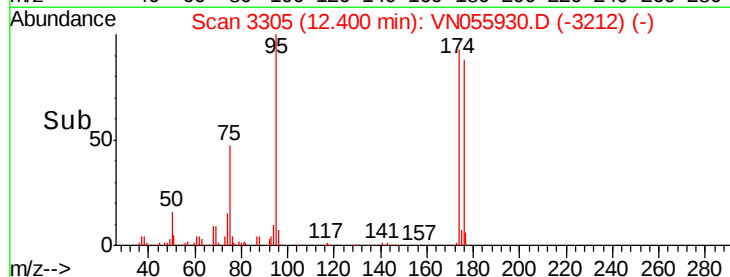
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

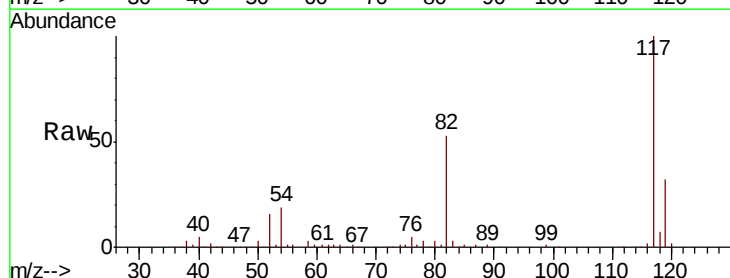
Tgt Ion: 117 Resp: 483066

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

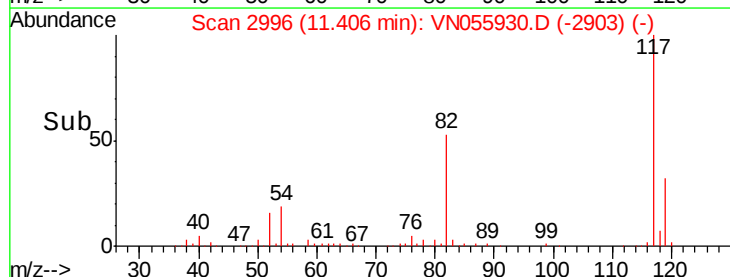
300000

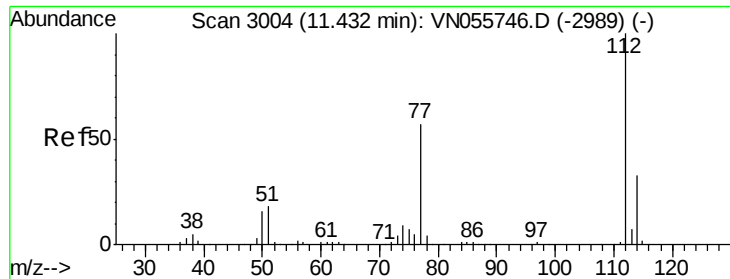
200000

100000

0

Time--> 11.30 11.40 11.50

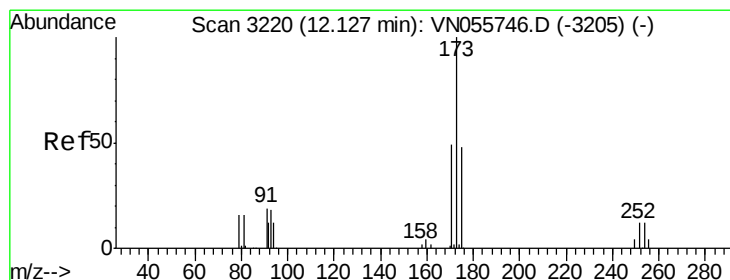
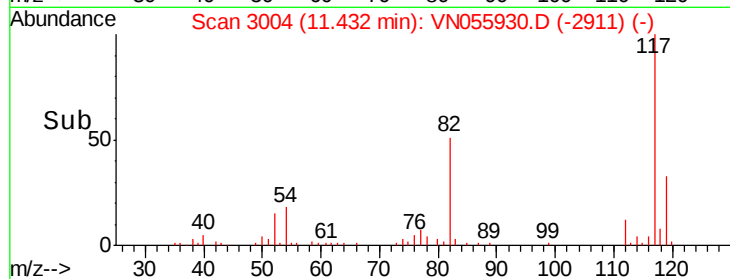
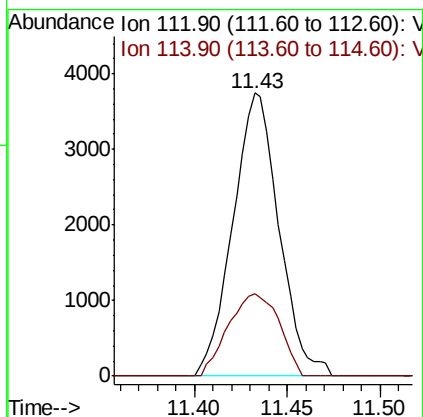
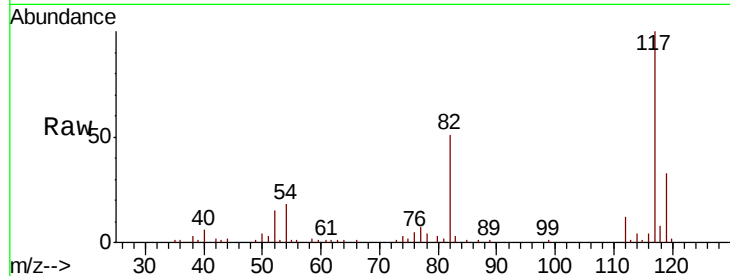




#65
Chlorobenzene
Concen: 0.669 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055930.D
Acq: 31 May 2019 19:44

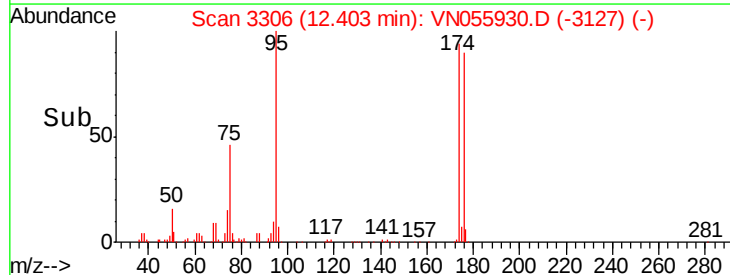
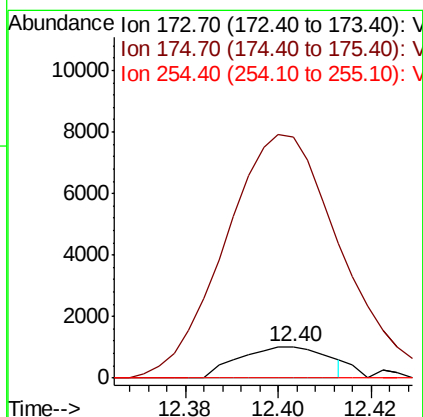
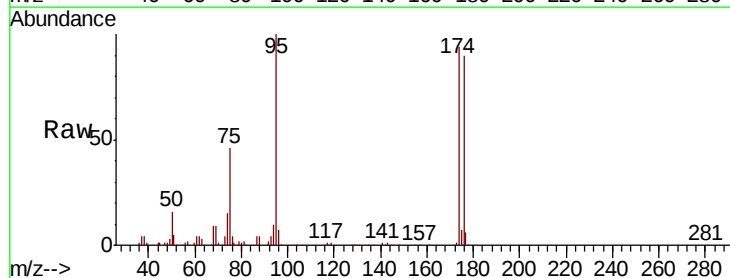
Instrument :
MSVOA_N
ClientSampleId :
LF012RW043-190529

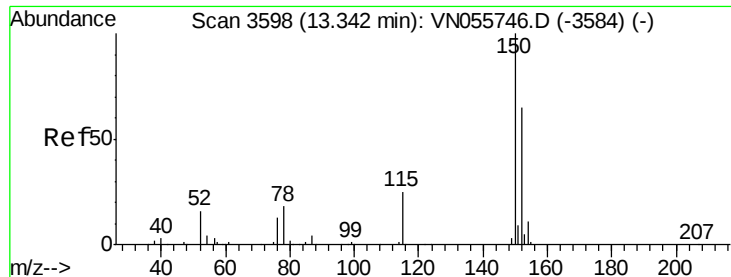
Tot Ion:112 Resp: 6467
Ion Ratio Lower Upper
112 100
114 29.2 26.2 39.4



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055930.D
Acq: 31 May 2019 19:44

Tgt Ion:173 Resp: 1353
Ion Ratio Lower Upper
173 100
175 880.2 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

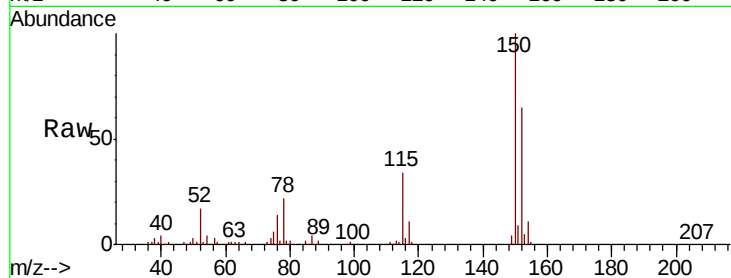
Tot Ion:152 Resp: 148300

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

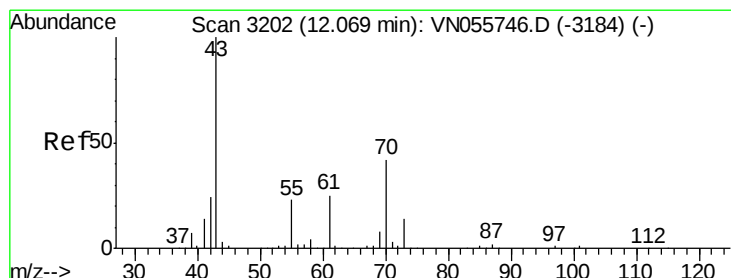
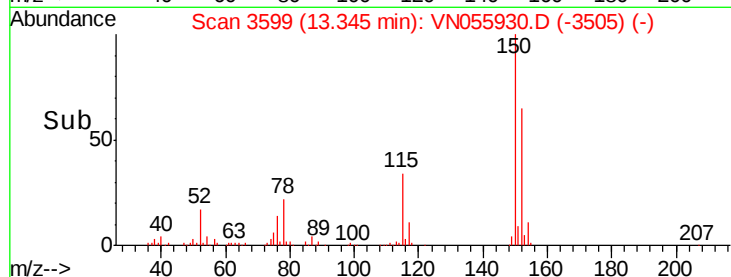
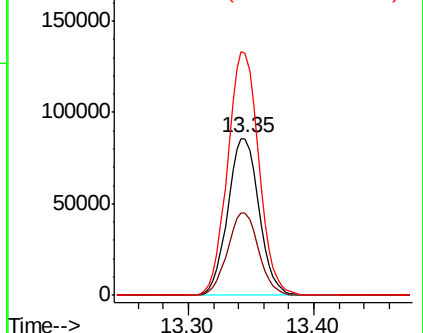
150 154.9 0.0 343.2



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-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Tgt Ion: 43 Resp: 780

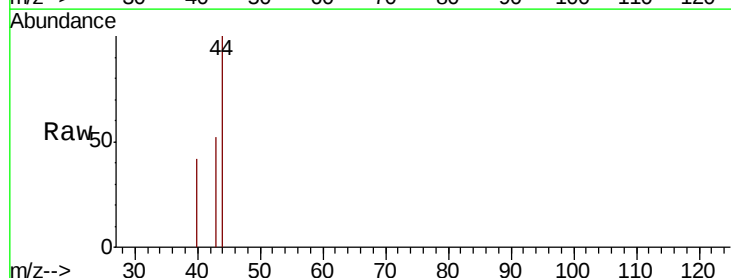
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

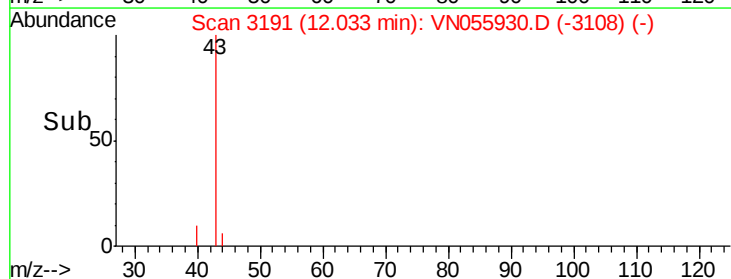
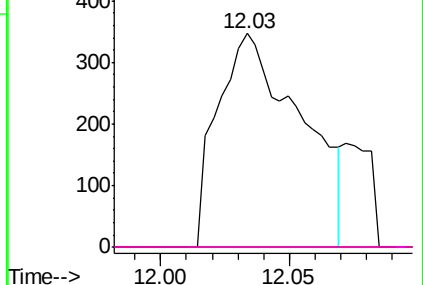


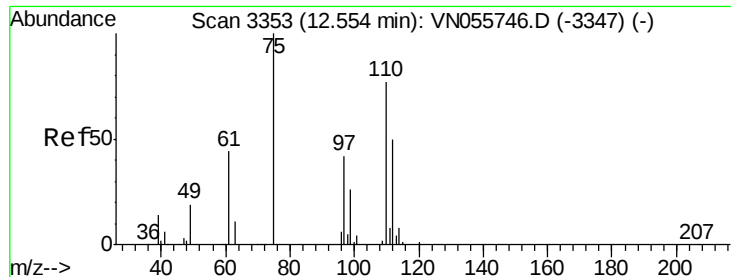
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.878 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

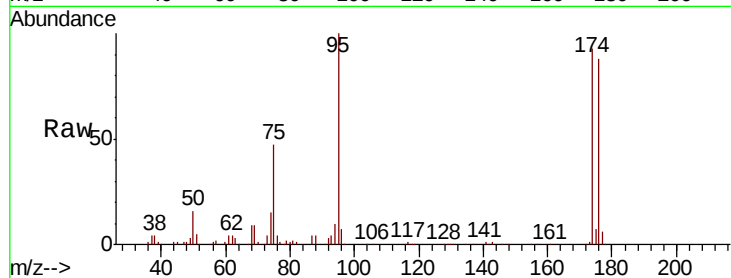
LF012RW043-190529

Tot Ion: 75 Resp: 96281

Ion Ratio Lower Upper

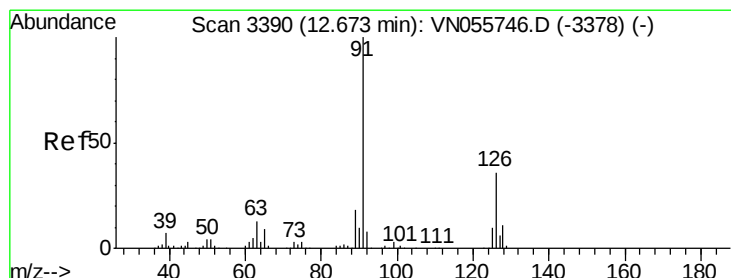
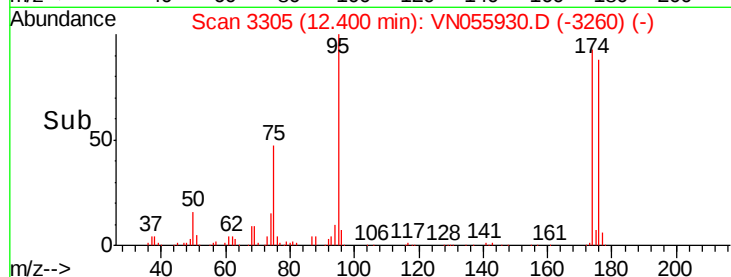
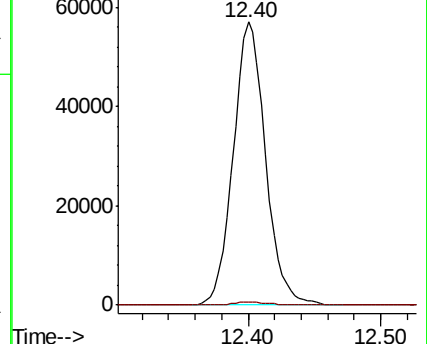
75 100

77 1.2 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: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN055930.D

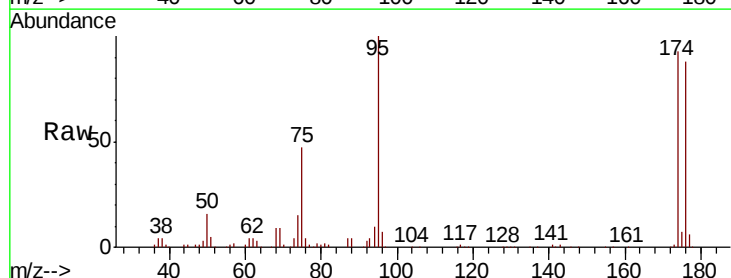
Acq: 31 May 2019 19:44

Tgt Ion: 91 Resp: 540

Ion Ratio Lower Upper

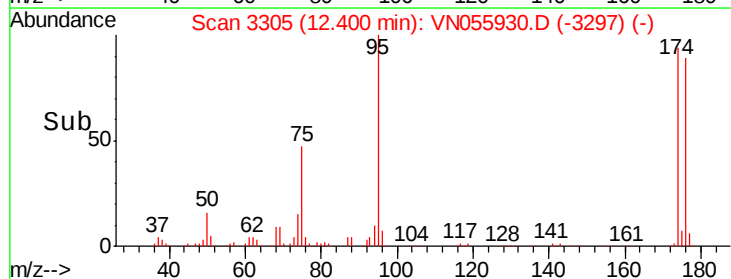
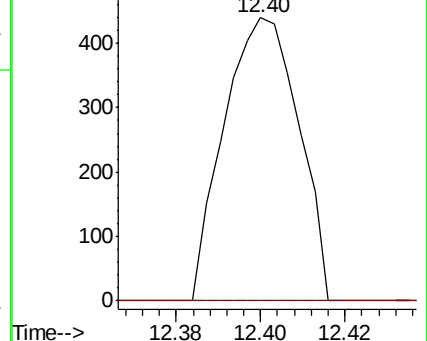
91 100

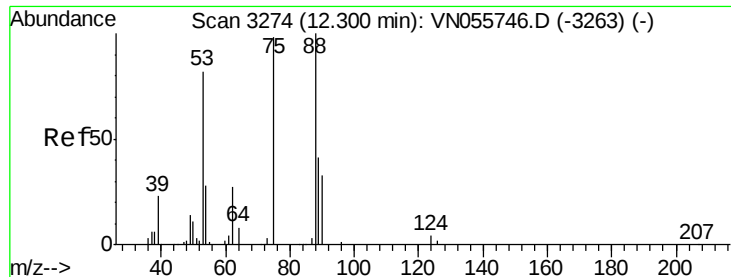
126 0.0 18.1 54.4#



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: 87.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055930.D

Acq: 31 May 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

LF012RW043-190529

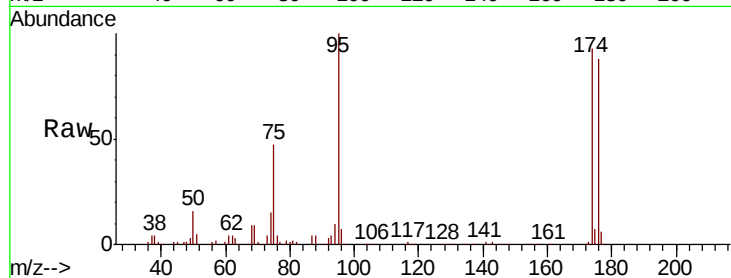
Tot Ion: 75 Resp: 96281

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

