

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056236.D
 Acq On : 12 Jun 2019 9:28
 Operator : JC/SP
 Sample : VN0612WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

Quant Time: Jun 13 04:26:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	47227	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	226509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	177375	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	87157	29.72	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	99.07%		
60) 4-Bromofluorobenzene	12.40	95	53454	20.33	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	67.77%		
63) Toluene-d8	10.09	98	263488	32.75	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	109.17%		

Target Compounds

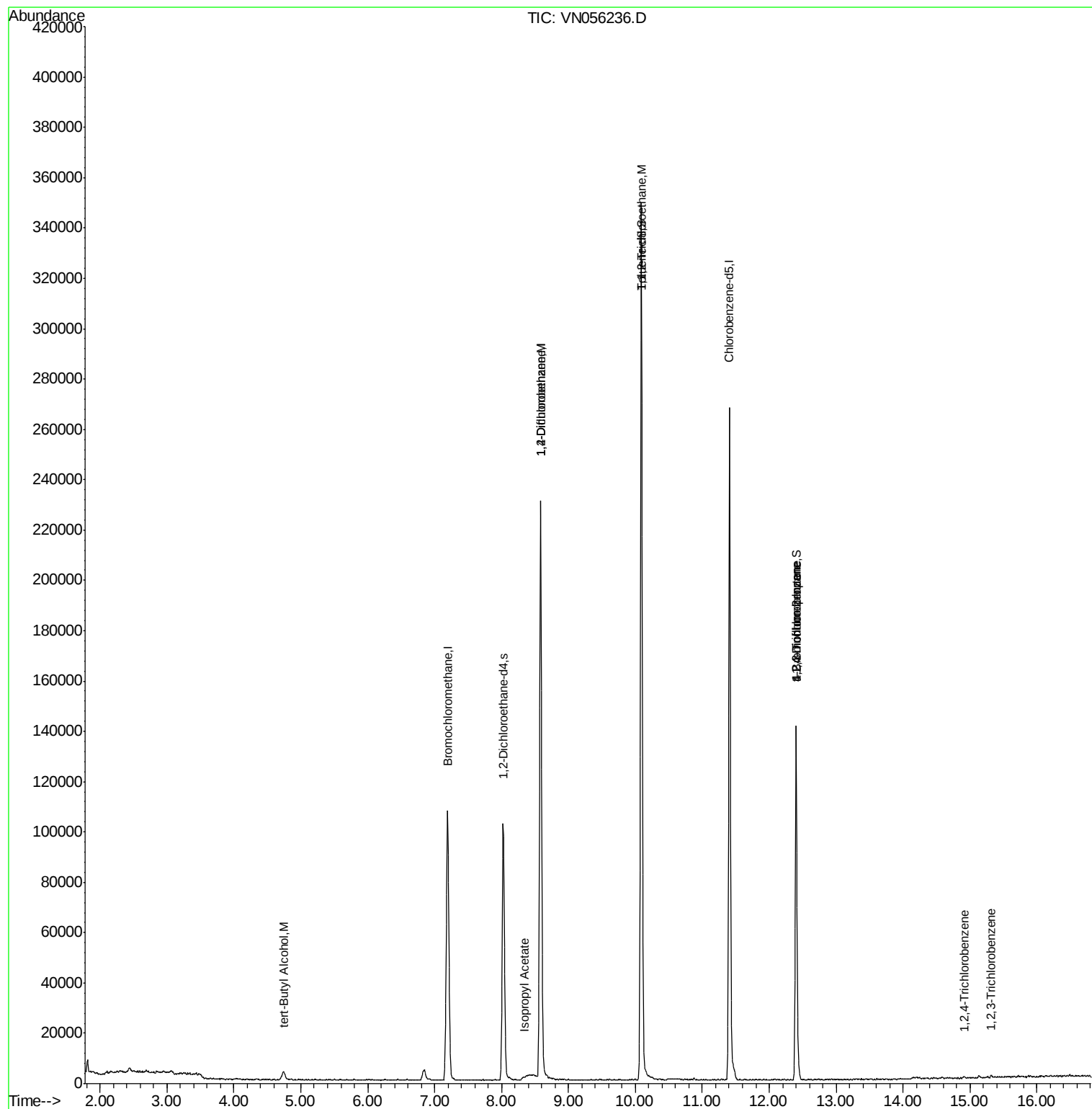
					Ovalue
23) tert-Butyl Alcohol	4.74	59	3329	6.474 ug/l #	100
36) 1,2-Dichloroethane	8.58	62	6473	2.117 ug/l #	71
44) Isopropyl Acetate	8.34	43	1204	0.251 ug/l #	55
50) 1,1,2-Trichloroethane	10.10	97	8465	3.438 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	24302	9.325 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	24302	32.680 ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	156	8.603 ug/l #	66
92) 1,2,3-Trichlorobenzene	15.32	180	516	0.235 ug/l #	78

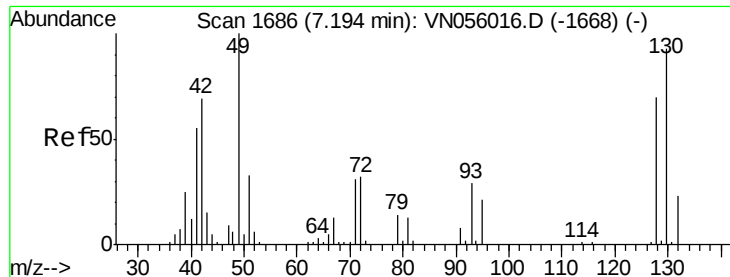
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061219\
Data File : VN056236.D
Acq On : 12 Jun 2019 9:28
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Time: Jun 13 04:26:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration

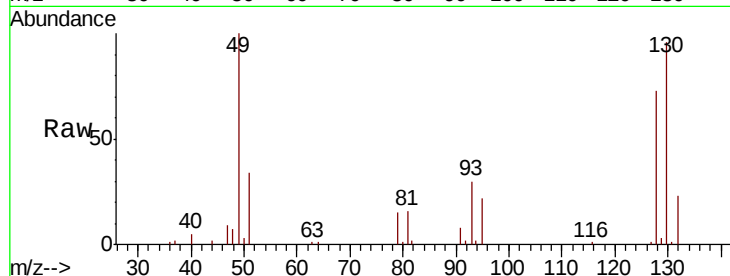




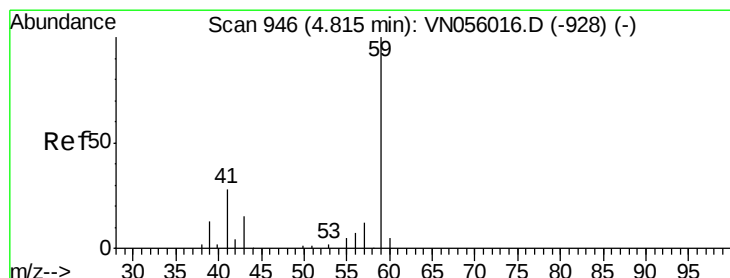
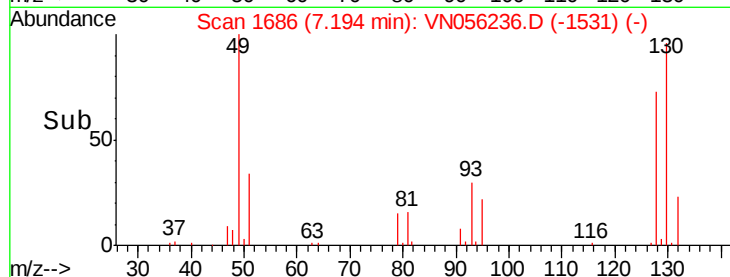
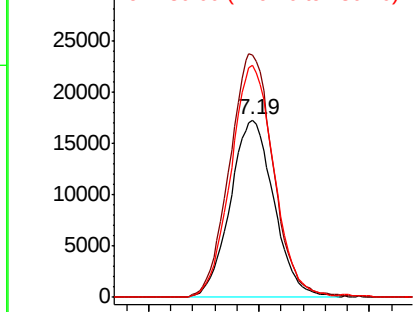
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056236.D
Acq: 12 Jun 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tot Ion:128 Resp: 47227
Ion Ratio Lower Upper
128 100
49 137.7 0.0 355.8
130 129.8 0.0 326.3

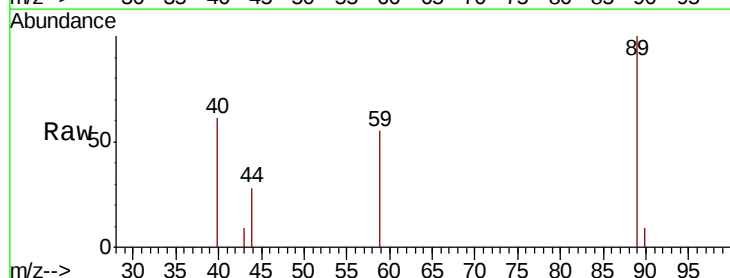


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

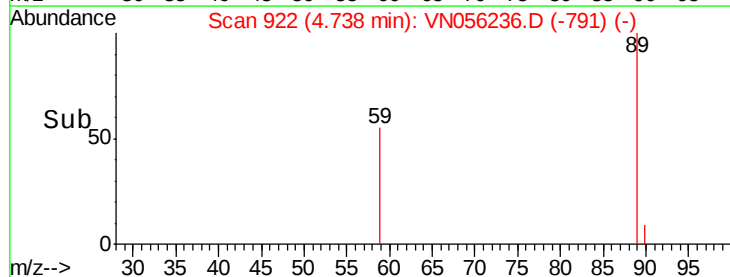
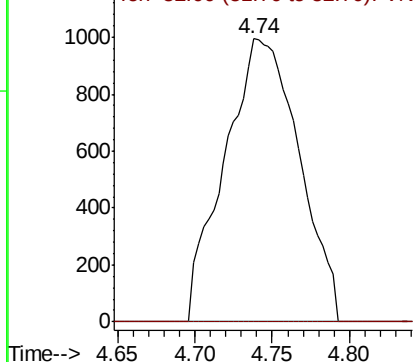


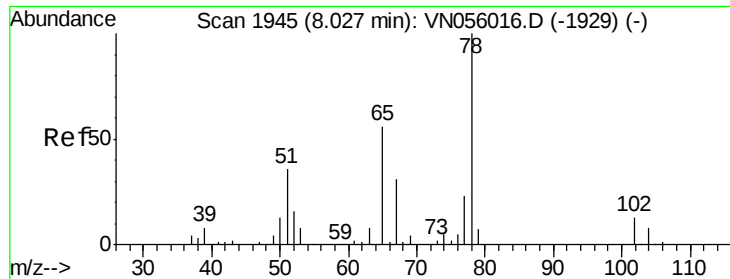
#23
tert-Butyl Alcohol
Concen: 6.474 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.08 min
Lab File: VN056236.D
Acq: 12 Jun 2019 9:28

Tgt Ion: 59 Resp: 3329
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN
Ion 52.00 (51.70 to 52.70): VN





#27

1,2-Dichloroethane-d4

Concen: 29.718 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

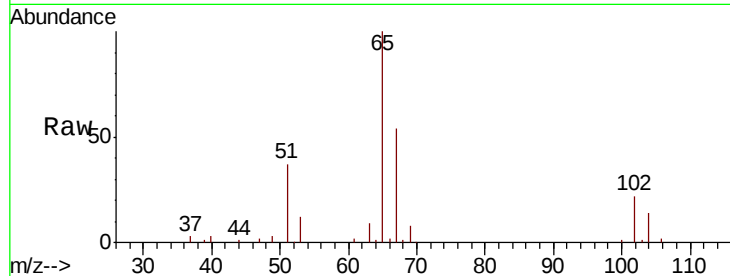
VN0612WBL01

Tot Ion: 65 Resp: 87157

Ion Ratio Lower Upper

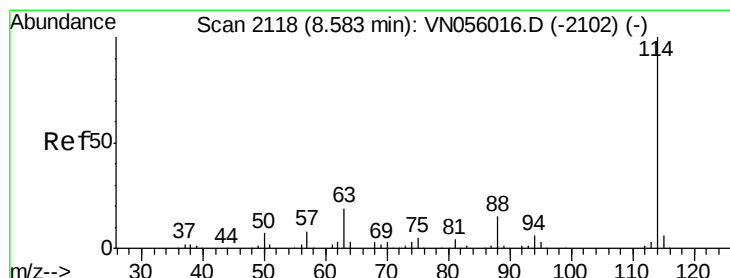
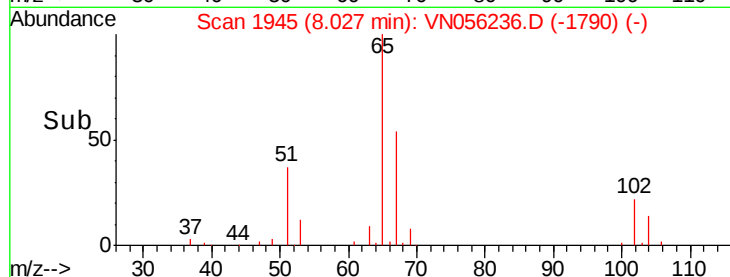
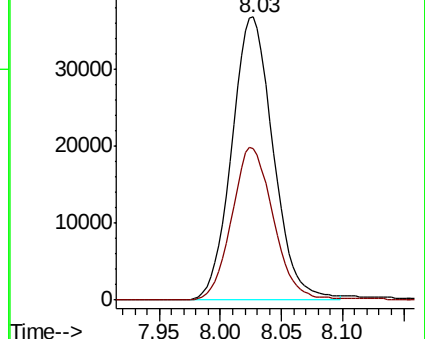
65 100

67 53.9 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

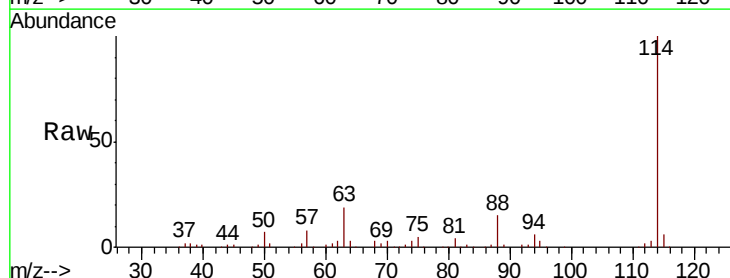
Tgt Ion: 114 Resp: 226509

Ion Ratio Lower Upper

114 100

63 18.5 14.7 22.1

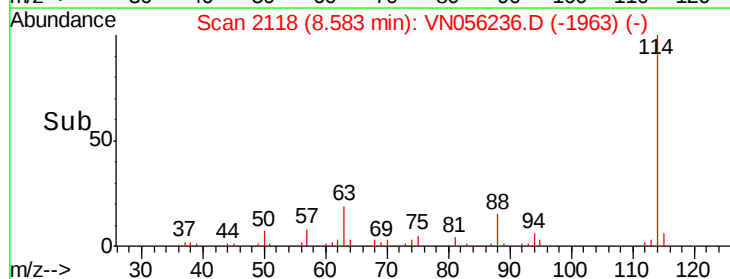
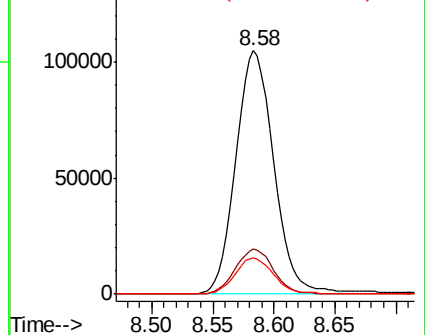
88 14.9 11.9 17.9

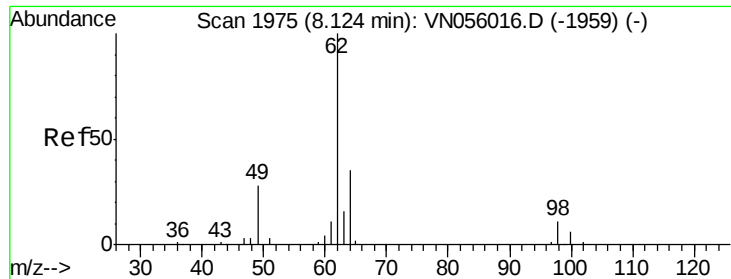


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

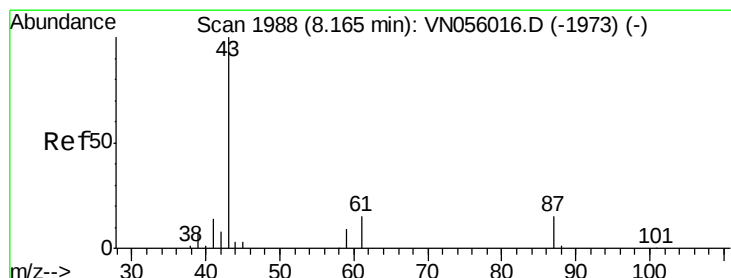
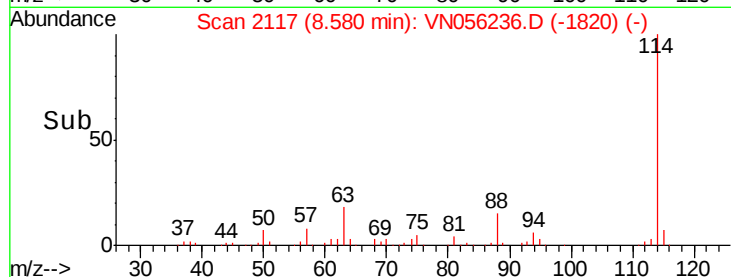
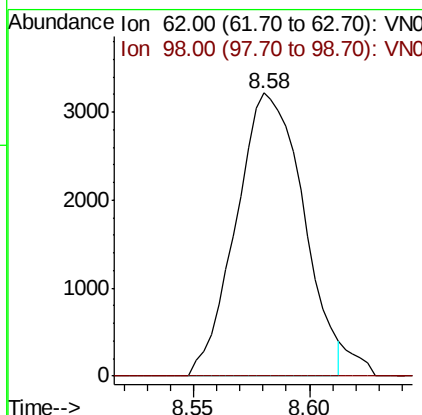
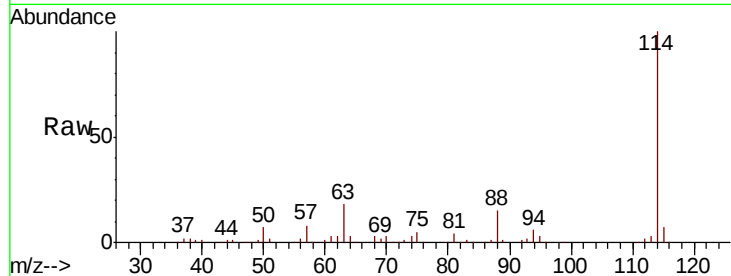




#36
 1,2-Dichloroethane
 Concen: 2.117 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.46 min
 Lab File: VN056236.D
 Acq: 12 Jun 2019 9:28

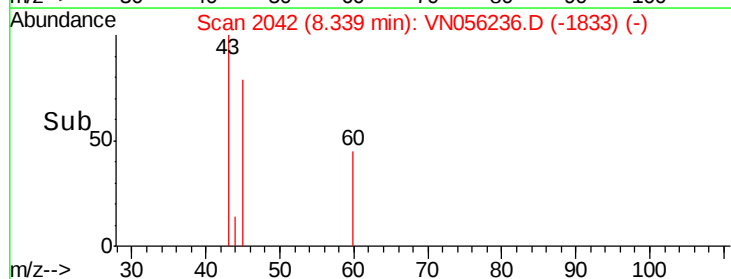
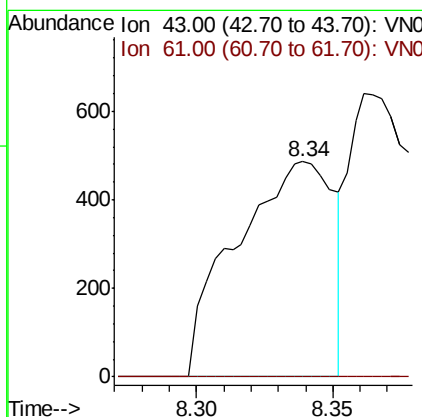
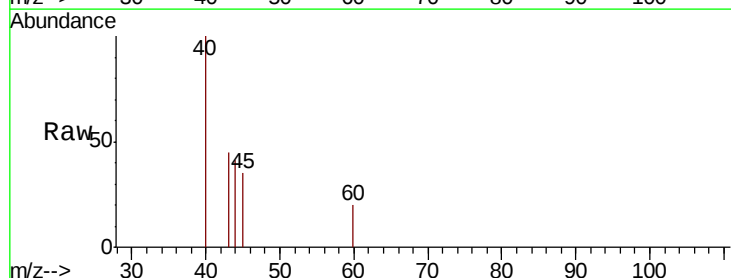
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

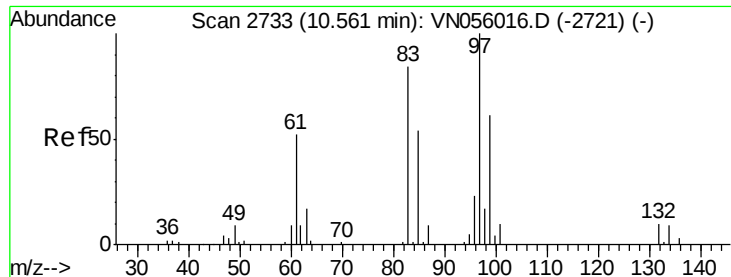
Tot Ion: 62 Resp: 6473
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 13.0#



#44
 Isopropyl Acetate
 Concen: 0.251 ug/l
 RT: 8.34 min Scan# 2042
 Delta R.T. 0.17 min
 Lab File: VN056236.D
 Acq: 12 Jun 2019 9:28

Tgt Ion: 43 Resp: 1204
 Ion Ratio Lower Upper
 43 100
 61 0.0 16.9 25.3#

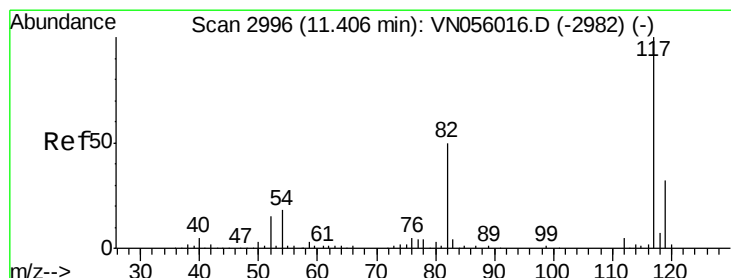
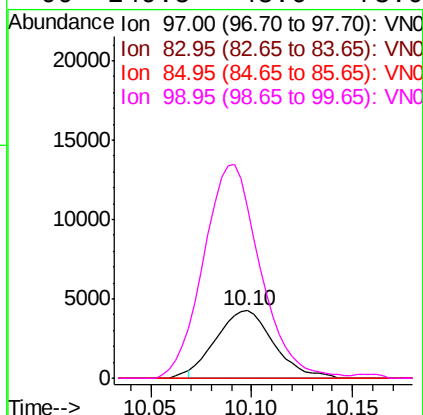
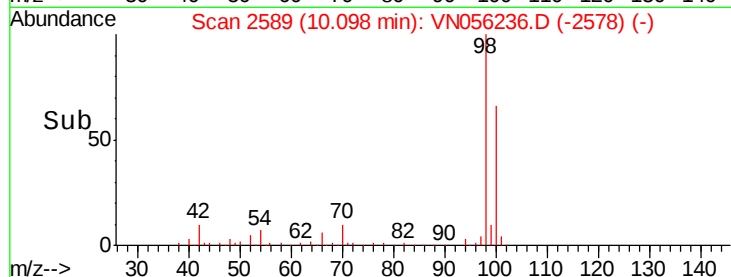
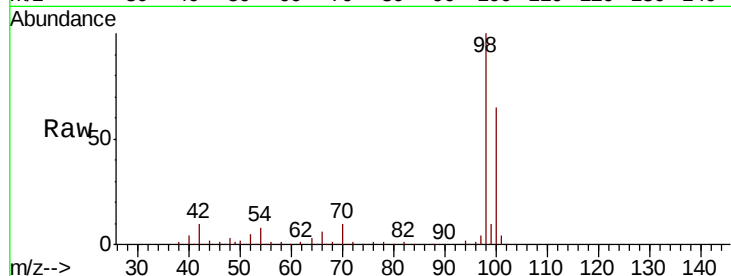




#50
1,1,2-Trichloroethane
Concen: 3.438 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN056236.D
Acq: 12 Jun 2019 9:28

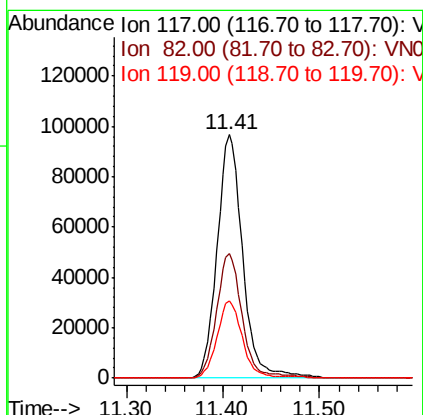
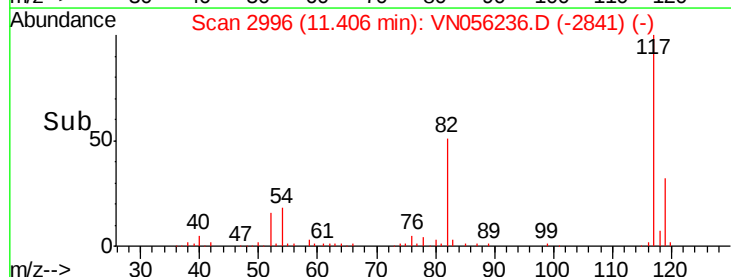
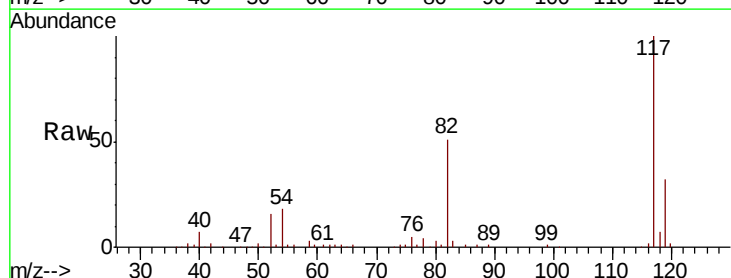
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

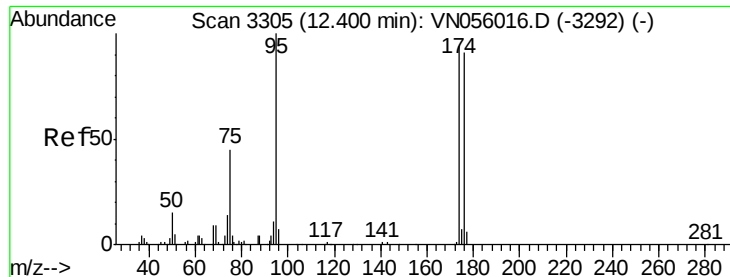
Tot Ion: 97 Resp: 8465
Ion Ratio Lower Upper
97 100
83 0.0 66.9 100.3#
85 0.0 43.3 64.9#
99 249.5 48.6 73.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056236.D
Acq: 12 Jun 2019 9:28

Tgt Ion: 117 Resp: 177375
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 31.2 26.2 39.2





#60

4-Bromofluorobenzene

Concen: 20.332 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

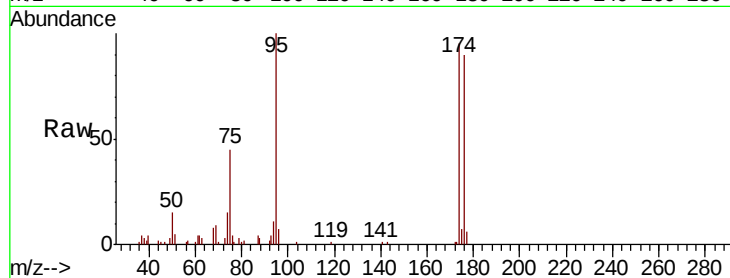
Tot Ion: 95 Resp: 53454

Ion Ratio Lower Upper

95 100

174 97.2 75.4 113.0

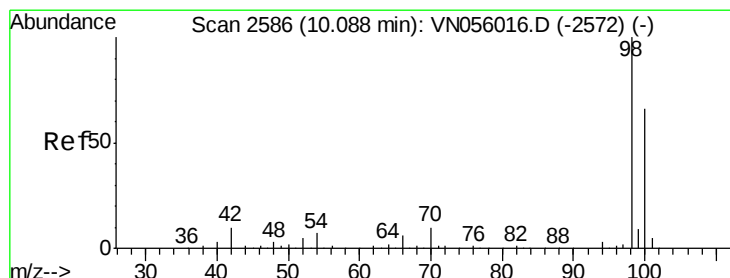
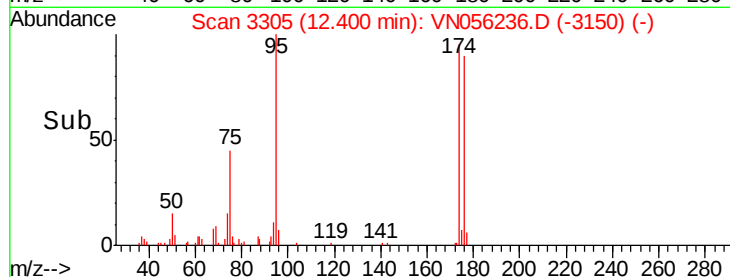
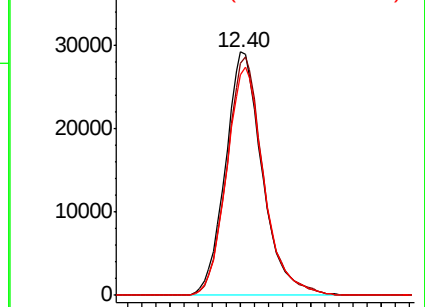
176 94.9 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN056236.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056236.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056236.D (-3150) (-)



#63

Toluene-d8

Concen: 32.747 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056236.D

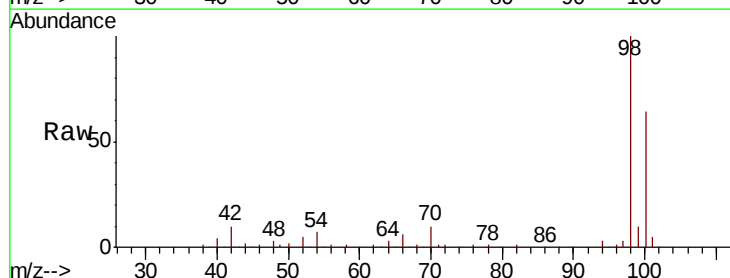
Acq: 12 Jun 2019 9:28

Tgt Ion: 98 Resp: 263488

Ion Ratio Lower Upper

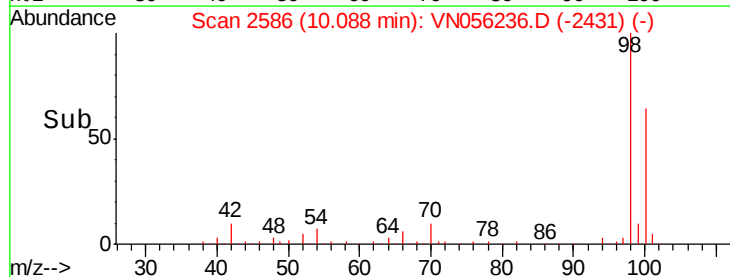
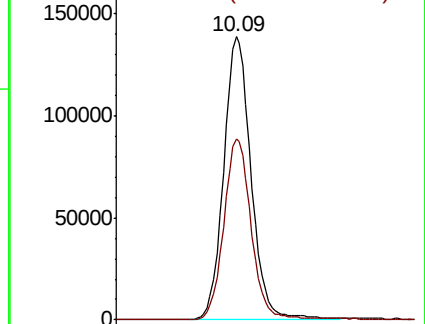
98 100

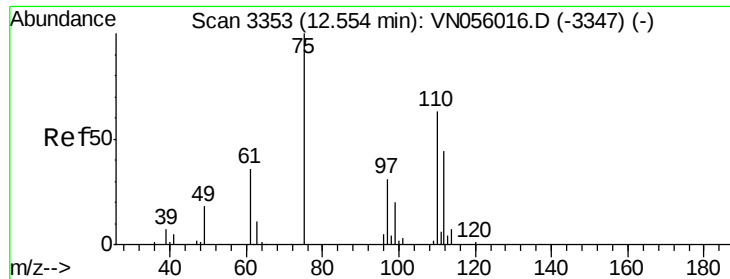
100 63.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056236.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN056236.D (-2431) (-)





#72

1,2,3-Trichloropropane

Concen: 9.325 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

Instrument :

MSVOA_N

ClientSampled :

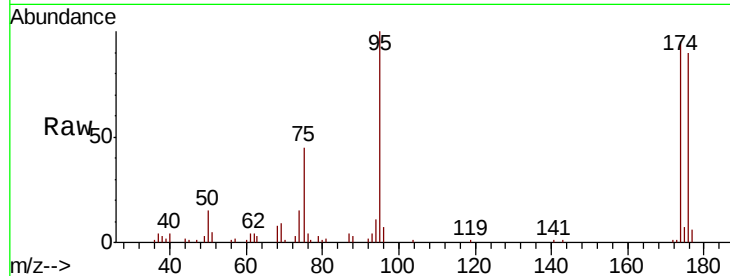
VN0612WBL01

Tot Ion: 75 Resp: 24302

Ion Ratio Lower Upper

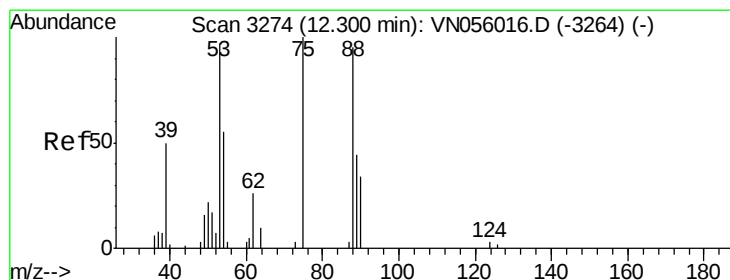
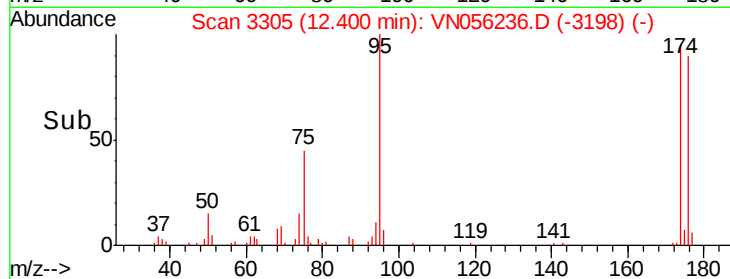
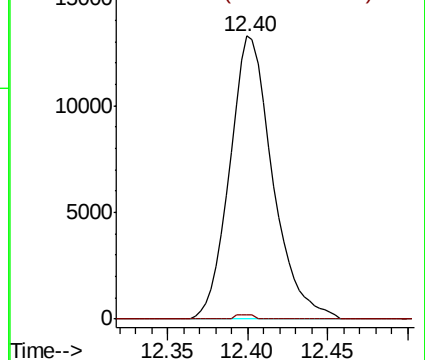
75 100

77 0.7 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 32.680 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

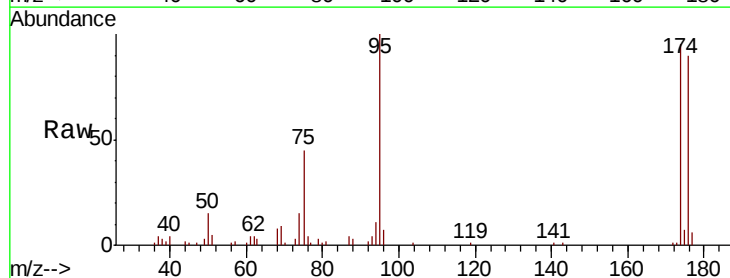
Tgt Ion: 75 Resp: 24302

Ion Ratio Lower Upper

75 100

53 0.0 48.0 144.0#

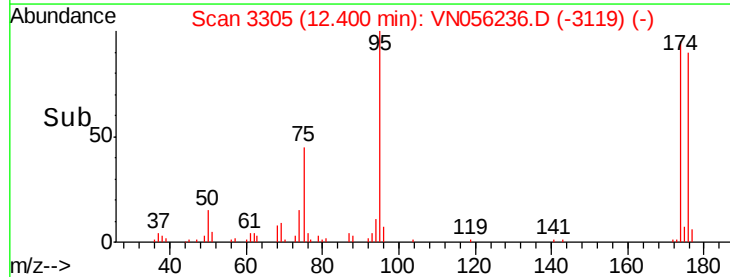
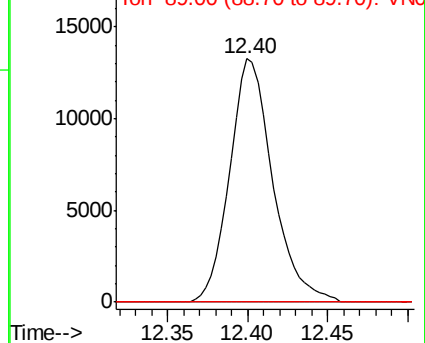
89 0.0 22.5 67.5#

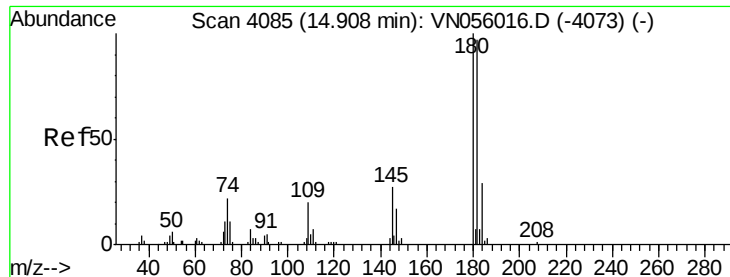


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#89

1,2,4-Trichlorobenzene

Concen: 8.603 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

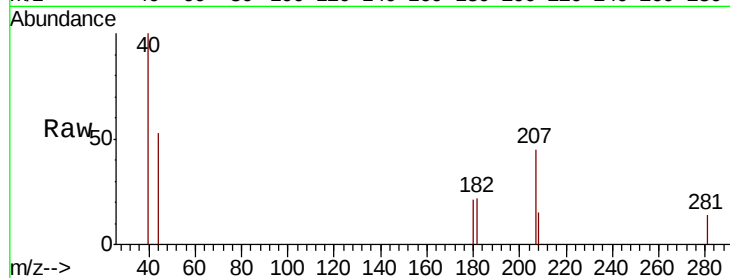
Tot Ion:180 Resp: 156

Ion Ratio Lower Upper

180 100

182 121.8 75.0 112.6#

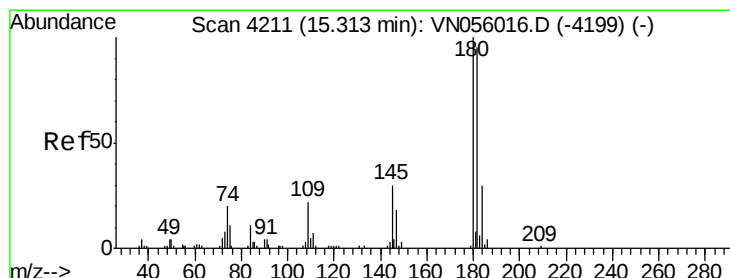
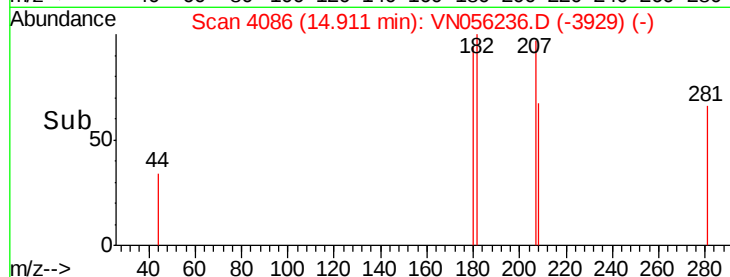
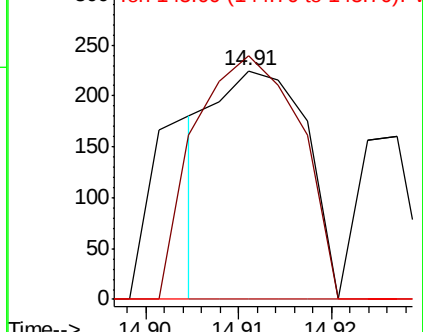
145 0.0 22.1 33.1#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056236.D

Acq: 12 Jun 2019 9:28

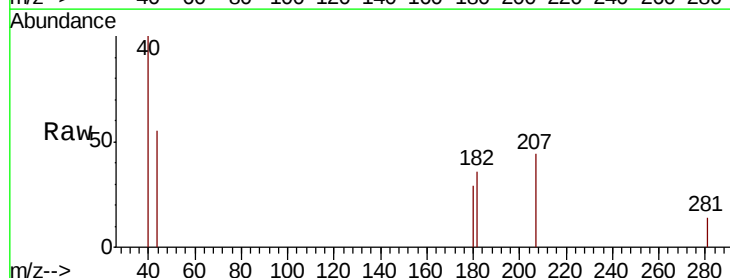
Tgt Ion:180 Resp: 516

Ion Ratio Lower Upper

180 100

182 107.9 0.0 193.4

145 0.0 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

