

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057793.D
 Acq On : 9 Sep 2019 11:46
 Operator : JC/SP
 Sample : VN0909WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBL01

Quant Time: Sep 09 12:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	66162	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	390027	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	330353	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	176504	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	150487	26.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.73%
63) Toluene-d8	10.09	98	482517	30.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.43%

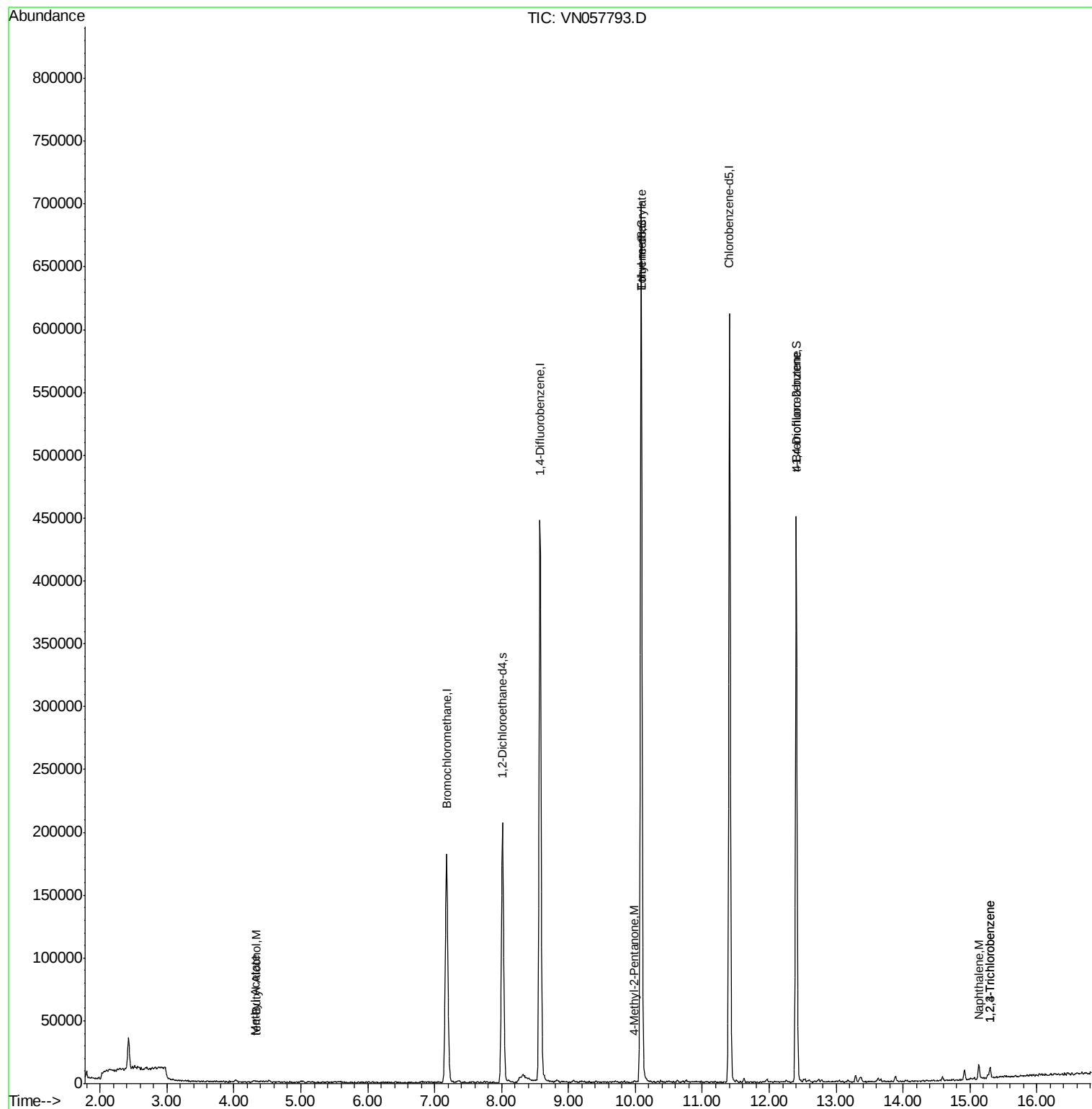
Target Compounds						Ovalue
12) Methyl Acetate	4.32	43	1377	0.287	ug/l	# 56
23) tert-Butyl Alcohol	4.34	59	144	0.225	ug/l	# 100
51) Ethyl methacrylate	10.09	69	1507	0.216	ug/l	# 59
58) 4-Methyl-2-Pentanone	9.99	43	1078	0.210	ug/l	# 45
77) t-1,4-Dichloro-2-butene	12.40	75	81948	50.459	ug/l	# 1
89) 1,2,4-Trichlorobenzene	15.30	180	2682	0.515	ug/l	93
91) Naphthalene	15.13	128	9318	0.650	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	2682	0.540	ug/l	92

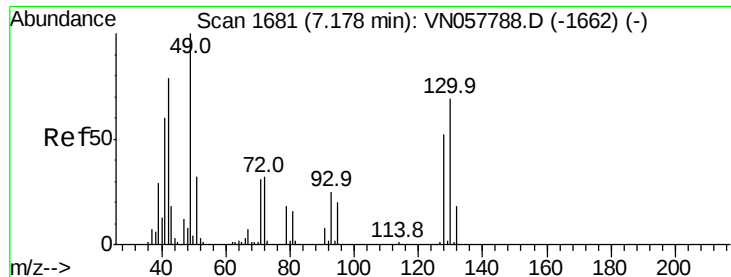
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

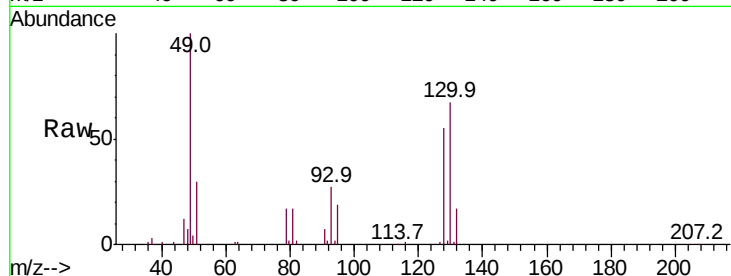
Tot Ion:128 Resp: 66162

Ion Ratio Lower Upper

128 100

49 184.0 0.0 486.5

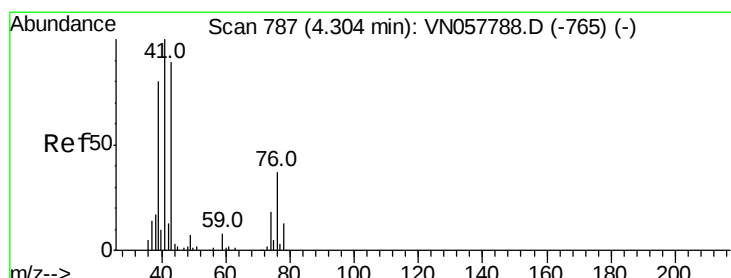
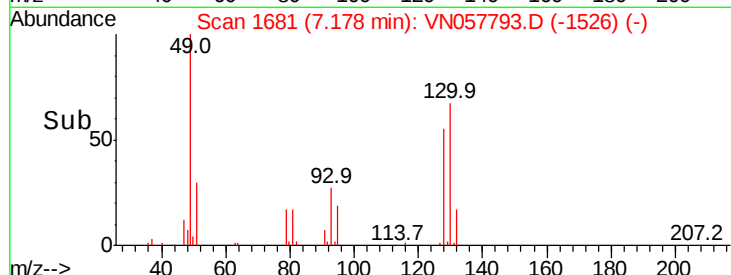
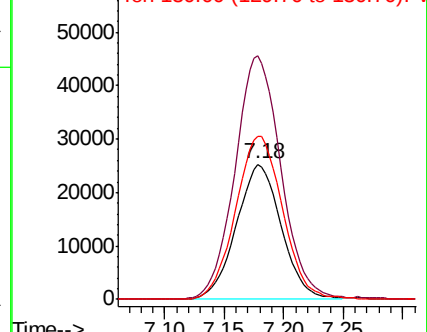
130 126.5 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.287 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057793.D

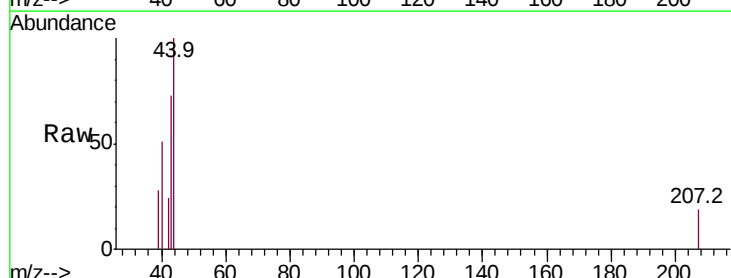
Acq: 9 Sep 2019 11:46

Tgt Ion: 43 Resp: 1377

Ion Ratio Lower Upper

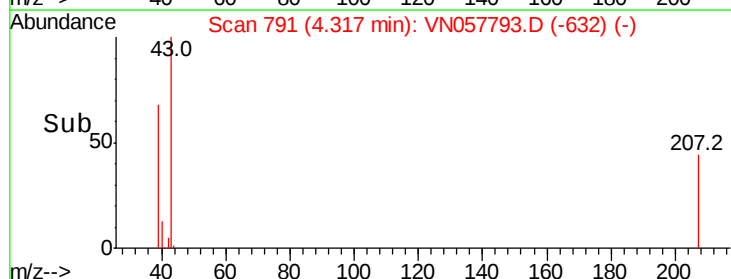
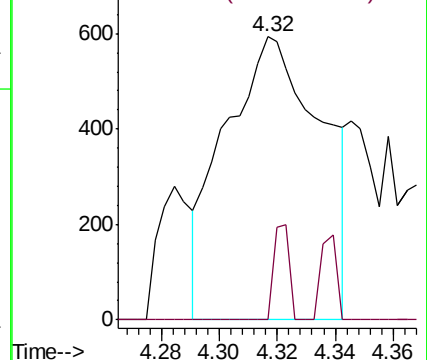
43 100

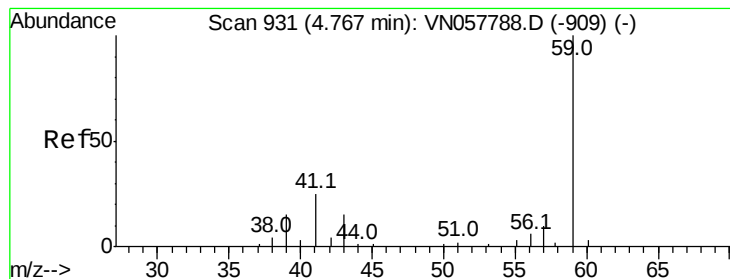
74 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#23

tert-Butyl Alcohol

Concen: 0.225 ug/l

RT: 4.34 min Scan# 799

Delta R.T. -0.42 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

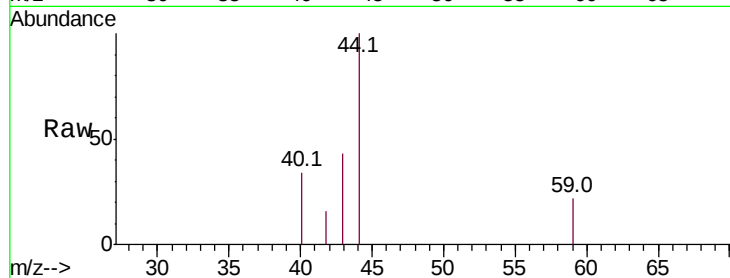
VN0909WBL01

Tot Ion: 59 Resp: 144

Ion Ratio Lower Upper

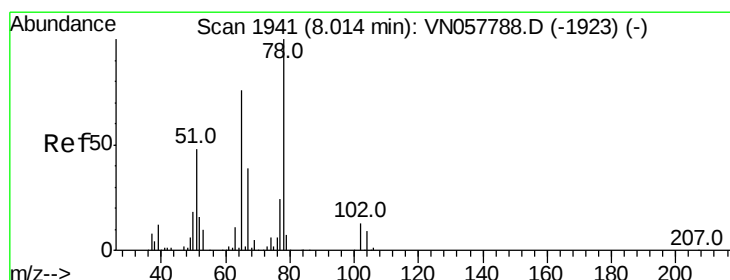
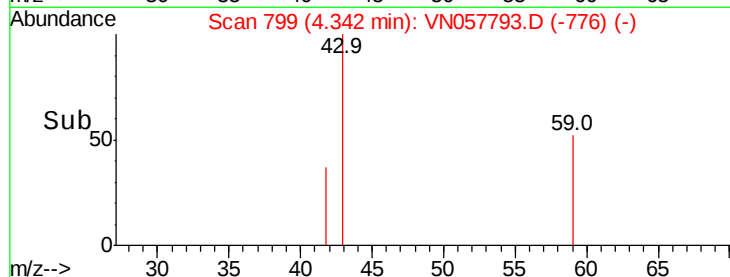
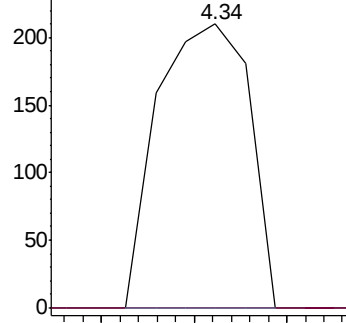
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.159 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057793.D

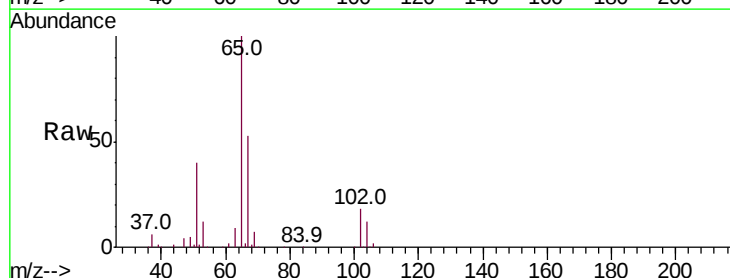
Acq: 9 Sep 2019 11:46

Tgt Ion: 65 Resp: 176504

Ion Ratio Lower Upper

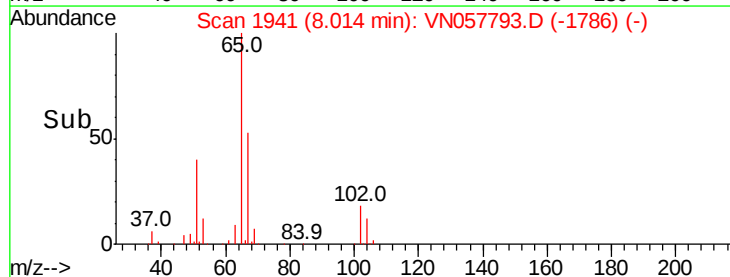
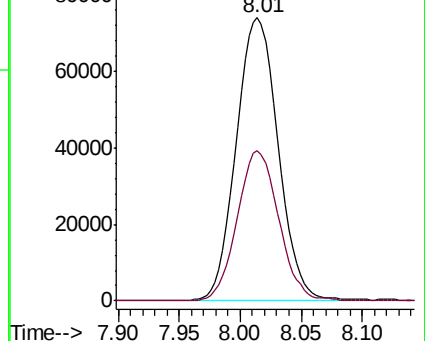
65 100

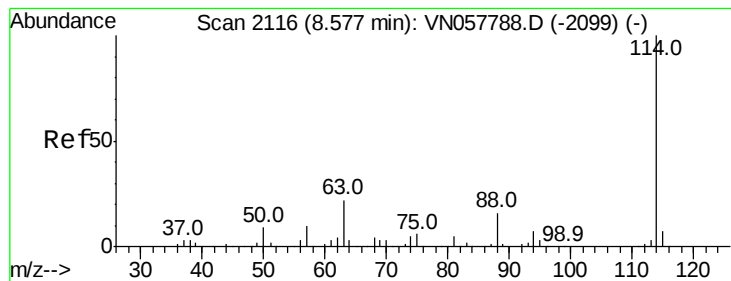
67 52.6 40.9 61.3



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# 2116

Delta R.T. -0.00 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

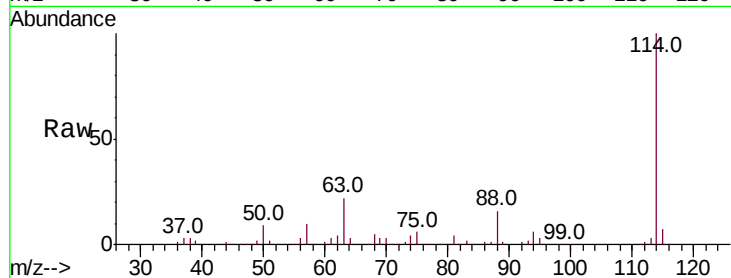
Tot Ion:114 Resp: 390027

Ion Ratio Lower Upper

114 100

63 22.0 18.0 27.0

88 15.8 12.6 19.0

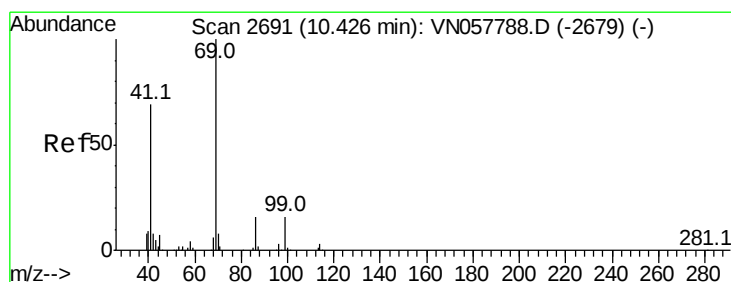
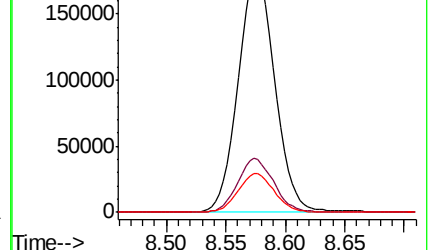
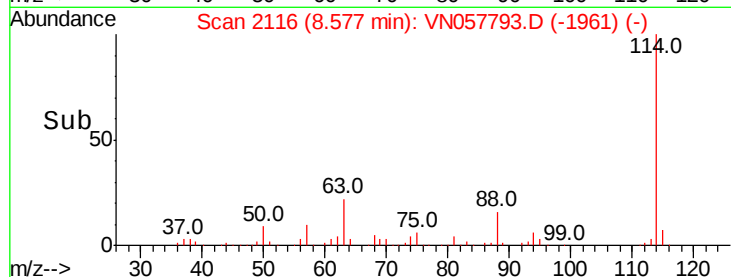


Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

8.58



#51

Ethyl methacrylate

Concen: 0.216 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.33 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

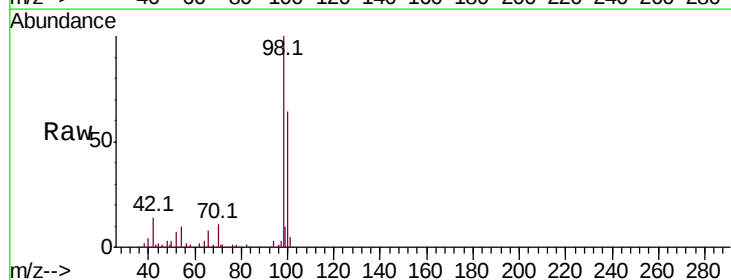
Tgt Ion: 69 Resp: 1507

Ion Ratio Lower Upper

69 100

41 122.6 34.5 103.5#

39 43.5 22.4 67.3

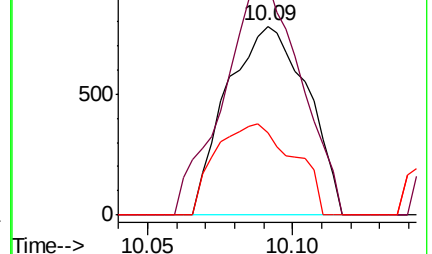
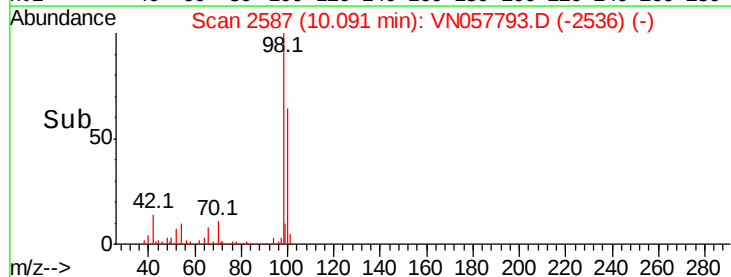


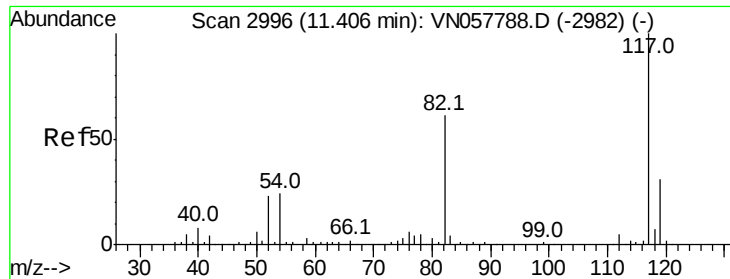
Abundance Ion 69.00 (68.70 to 69.70): VN057788.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057788.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057788.D (-2679) (-)

10.09

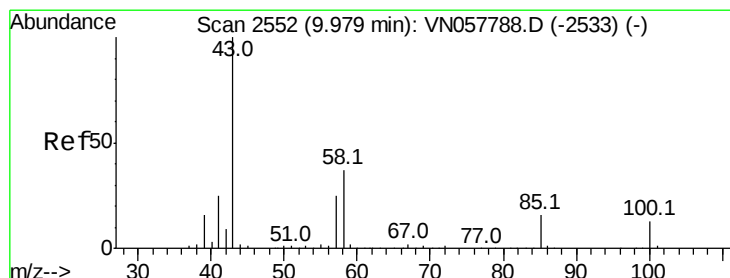
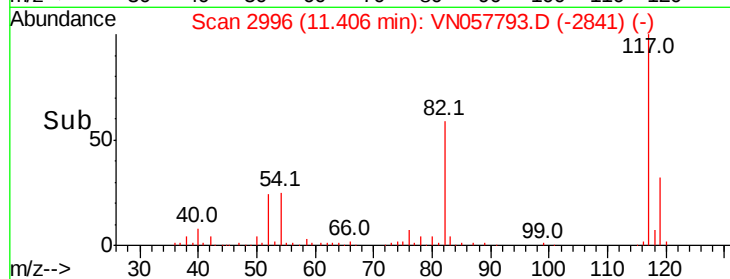
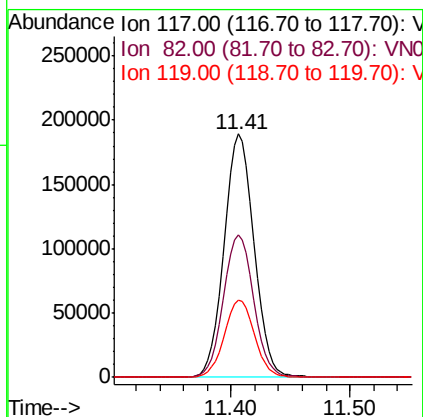
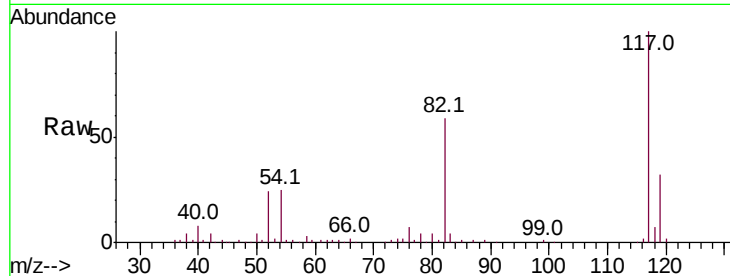




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057793.D
Acq: 9 Sep 2019 11:46

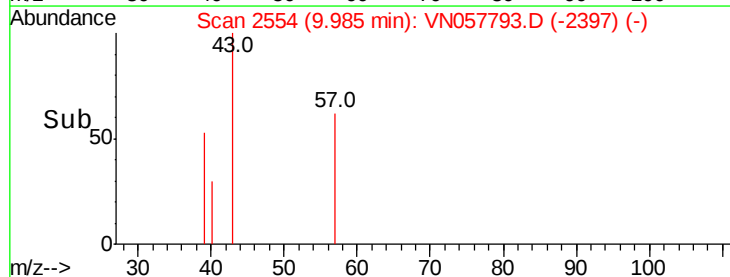
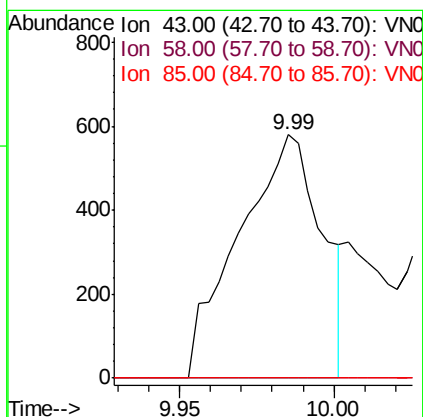
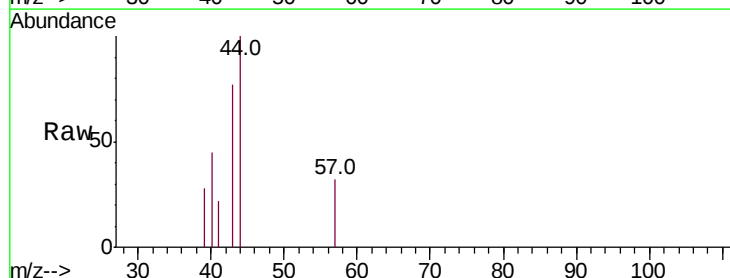
Instrument :
MSVOA_N
ClientSampled :
VN0909WBL01

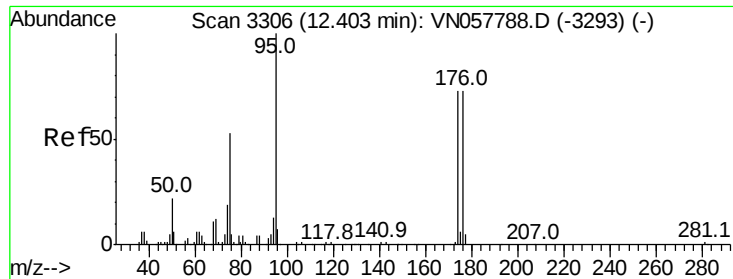
Tot Ion:117 Resp: 330353
Ion Ratio Lower Upper
117 100
82 59.3 47.6 71.4
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.210 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VN057793.D
Acq: 9 Sep 2019 11:46

Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#
85 0.0 12.9 19.3#

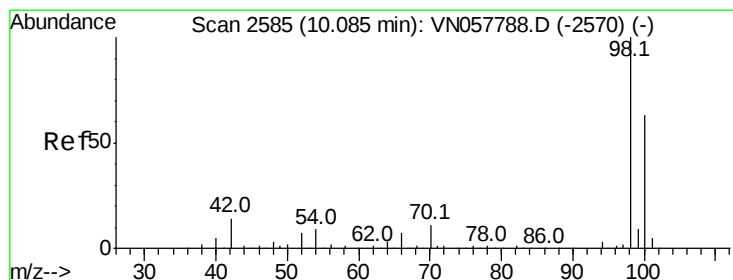
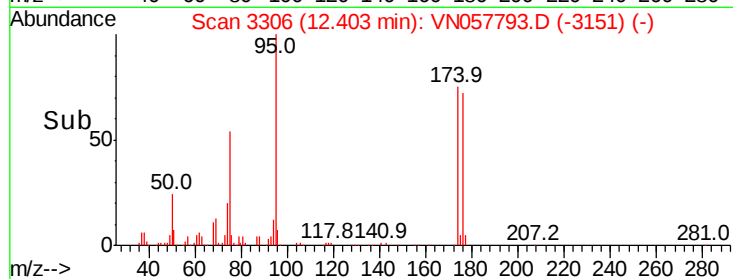
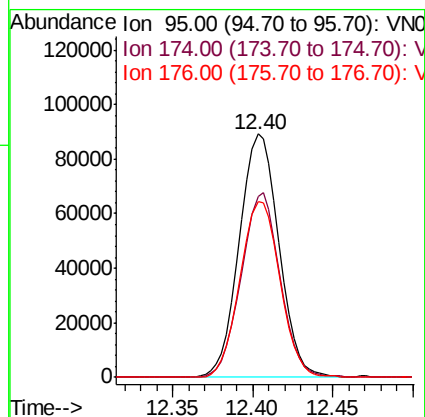
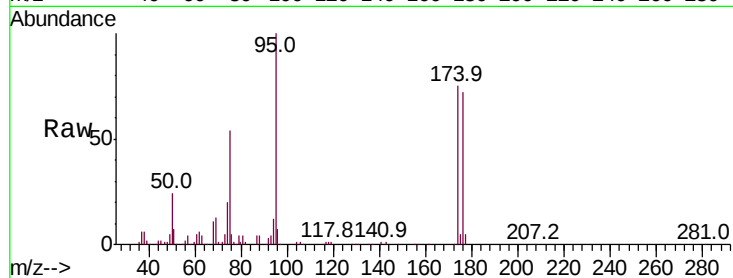




#60
4-Bromofluorobenzene
Concen: 26.621 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057793.D
Acq: 9 Sep 2019 11:46

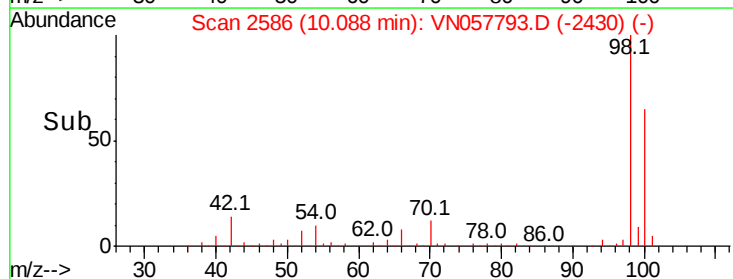
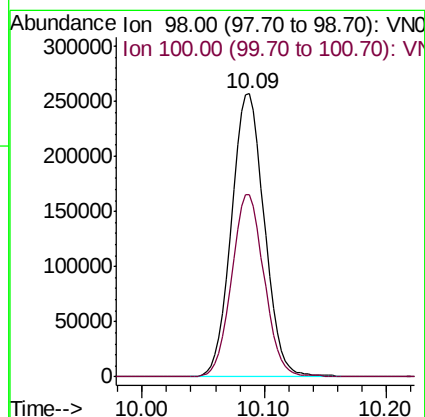
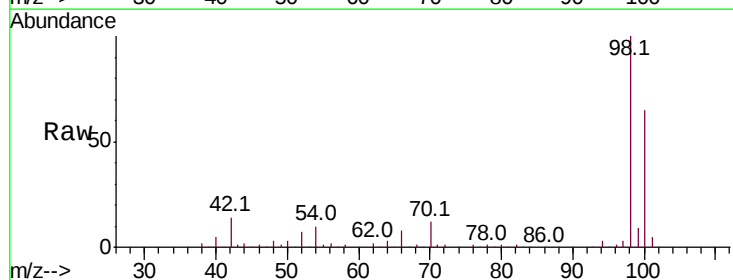
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

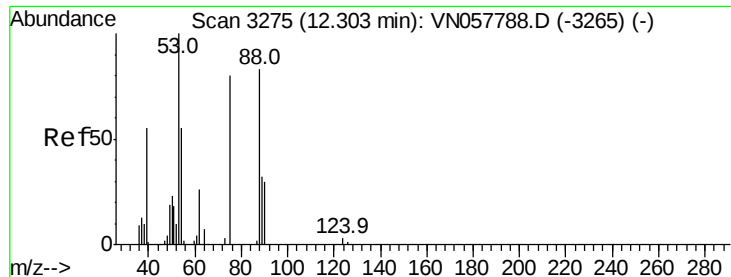
Tot Ion: 95 Resp: 150487
Ion Ratio Lower Upper
95 100
174 74.3 59.4 89.0
176 73.1 57.4 86.0



#63
Toluene-d8
Concen: 30.431 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057793.D
Acq: 9 Sep 2019 11:46

Tgt Ion: 98 Resp: 482517
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

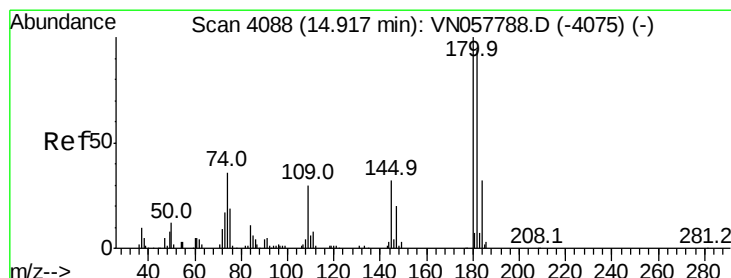
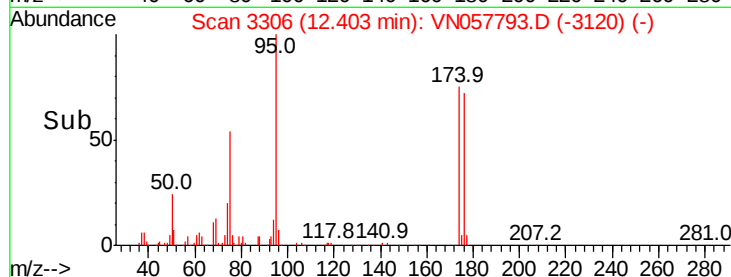
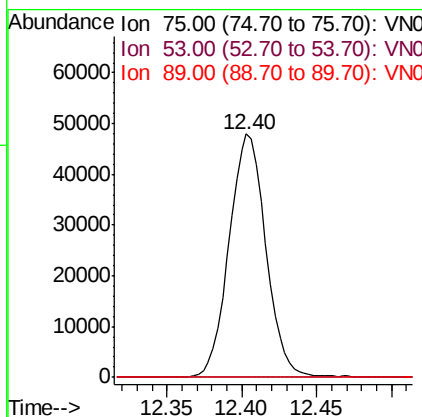
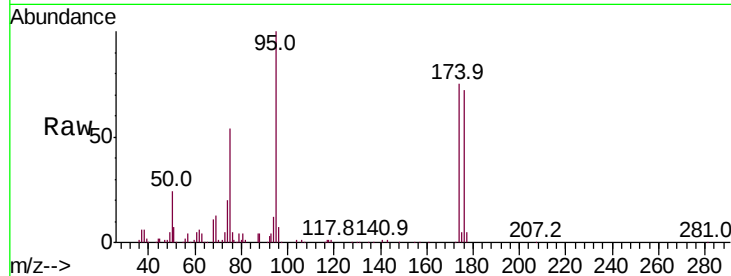




#77
 t-1,4-Dichloro-2-butene
 Concen: 50.459 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057793.D
 Acq: 9 Sep 2019 11:46

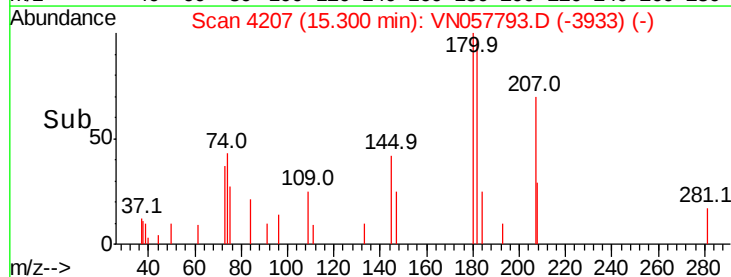
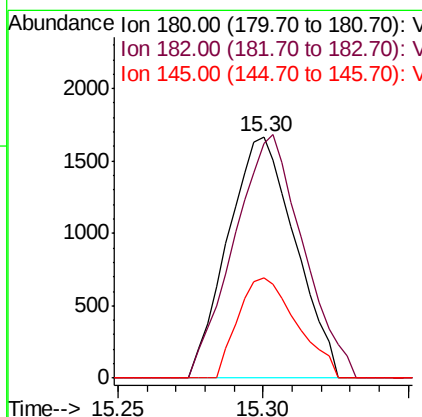
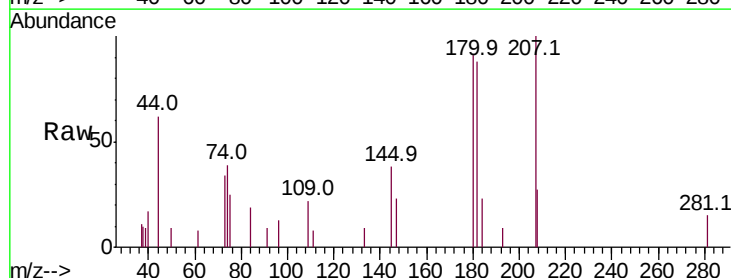
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBL01

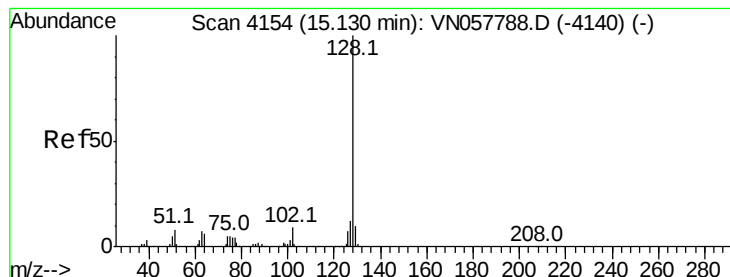
Tot Ion: 75 Resp: 81948
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.7 188.2#
 89 0.0 22.8 68.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.515 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.38 min
 Lab File: VN057793.D
 Acq: 9 Sep 2019 11:46

Tgt Ion: 180 Resp: 2682
 Ion Ratio Lower Upper
 180 100
 182 103.6 77.0 115.4
 145 36.5 26.1 39.1





#91

Naphthalene

Concen: 0.650 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

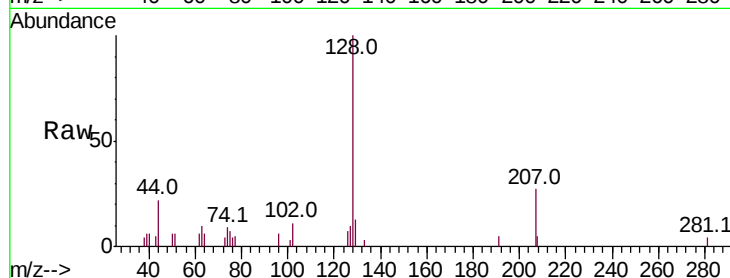
Tot Ion:128 Resp: 9318

Ion Ratio Lower Upper

128 100

127 11.5 9.9 14.9

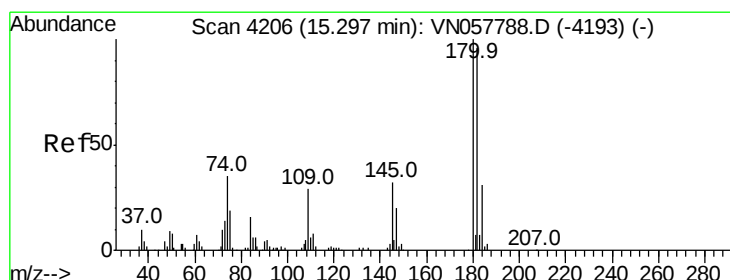
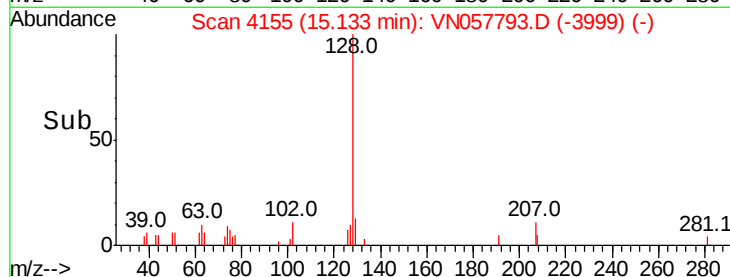
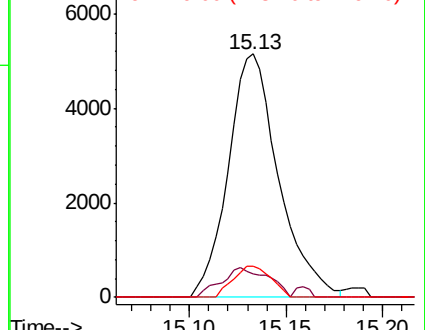
129 9.6 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.540 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057793.D

Acq: 9 Sep 2019 11:46

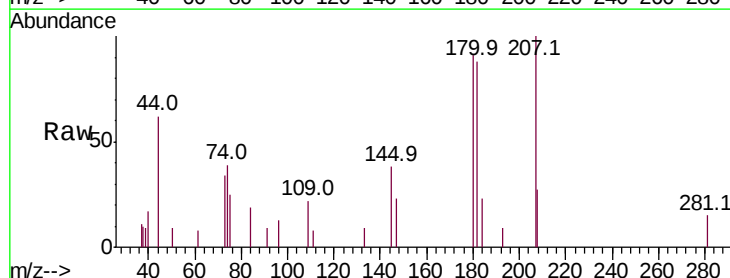
Tgt Ion:180 Resp: 2682

Ion Ratio Lower Upper

180 100

182 103.6 0.0 189.8

145 36.5 0.0 65.0



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

