

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058372.D
 Acq On : 26 Sep 2019 10:11
 Operator : JC/SP
 Sample : VN0926WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBL01

Quant Time: Sep 27 02:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76152	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	456179	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	386644	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214994	31.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.47%
60) 4-Bromofluorobenzene	12.41	95	178549	26.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.97%
63) Toluene-d8	10.08	98	572158	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

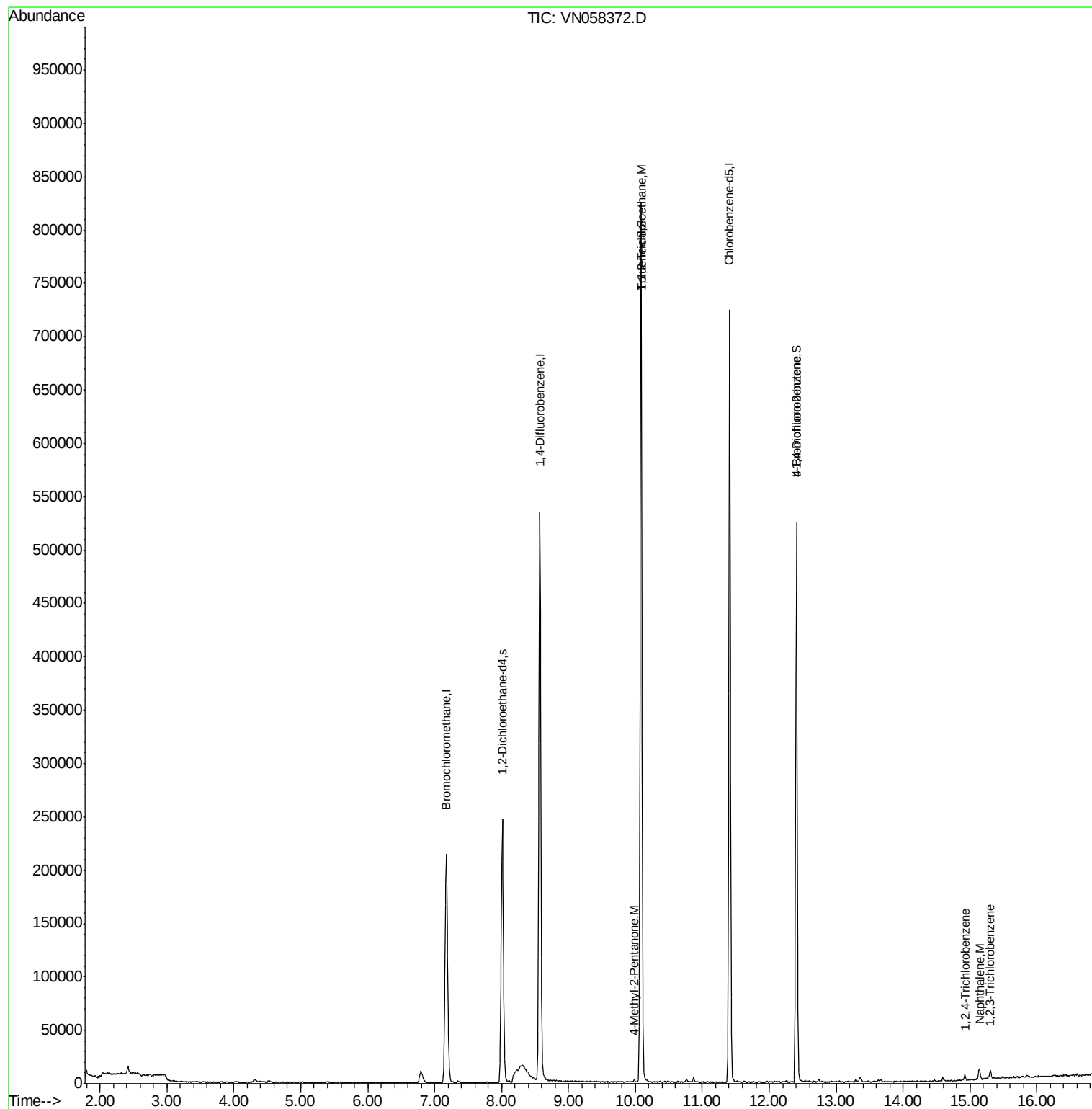
					Qvalue	
50) 1,1,2-Trichloroethane	10.09	97	17564	3.456	ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	1929	0.318	ug/l #	54
77) t-1,4-Dichloro-2-butene	12.41	75	98146	49.278	ug/l #	3
89) 1,2,4-Trichlorobenzene	14.92	180	1682	0.264	ug/l	98
91) Naphthalene	15.14	128	9276	0.530	ug/l	96
92) 1,2,3-Trichlorobenzene	15.31	180	2611	0.427	ug/l	95

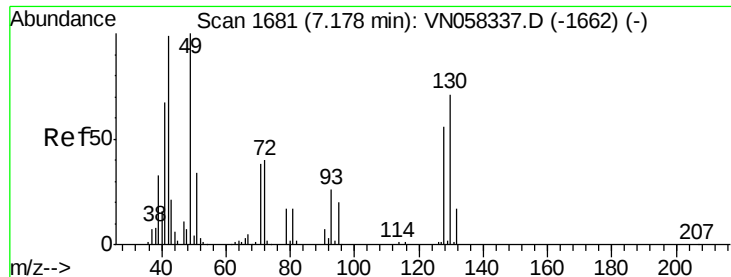
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
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Quant Time: Sep 27 02:27:51 2019
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QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058372.D

Acq: 26 Sep 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBL01

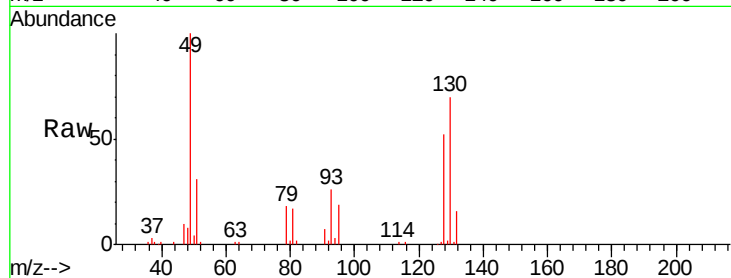
Tgt Ion:128 Resp: 76152

Ion Ratio Lower Upper

128 100

49 192.0 0.0 458.5

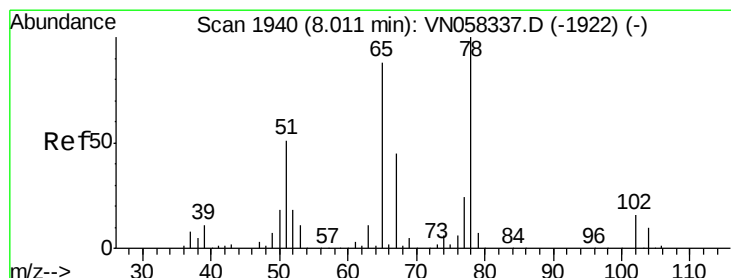
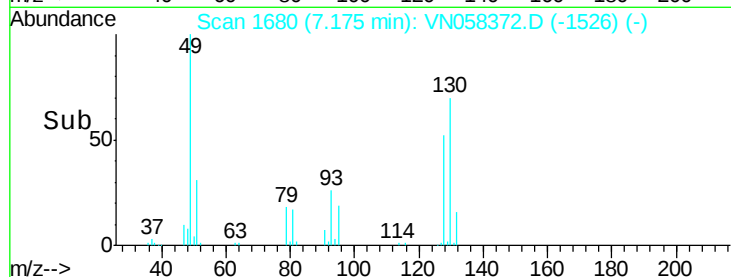
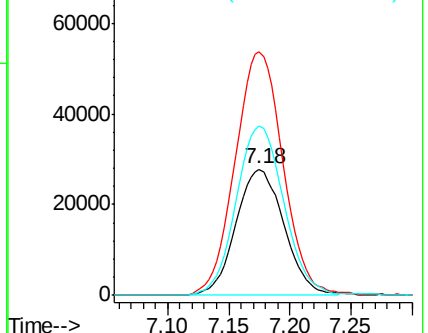
130 133.0 0.0 320.7



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



#27

1,2-Dichloroethane-d4

Concen: 31.937 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058372.D

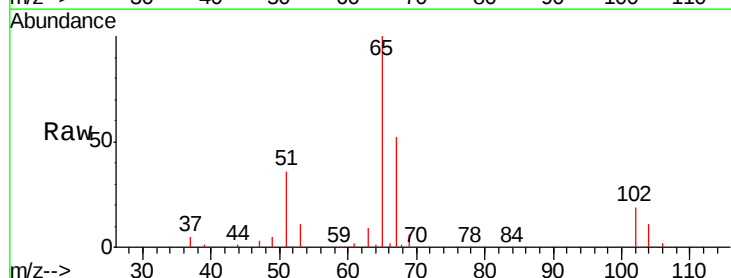
Acq: 26 Sep 2019 10:11

Tgt Ion: 65 Resp: 214994

Ion Ratio Lower Upper

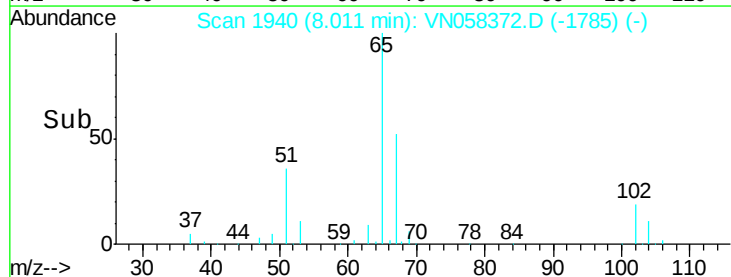
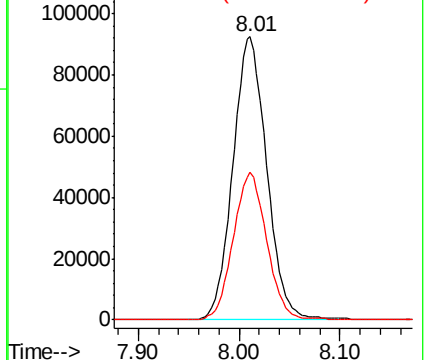
65 100

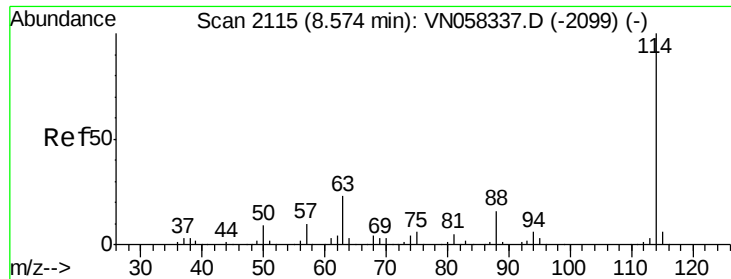
67 51.2 40.4 60.6



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: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058372.D

Acq: 26 Sep 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBL01

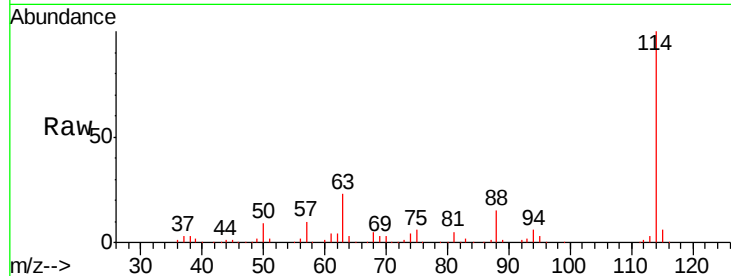
Tgt Ion:114 Resp: 456179

Ion Ratio Lower Upper

114 100

63 22.9 17.8 26.8

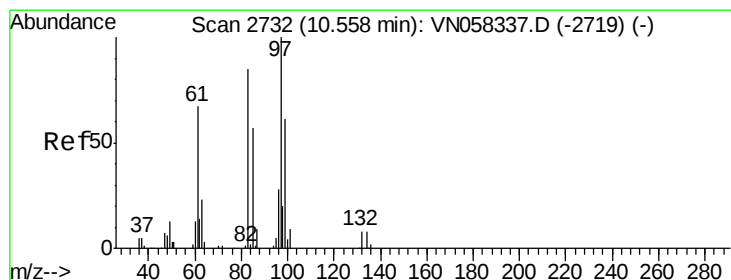
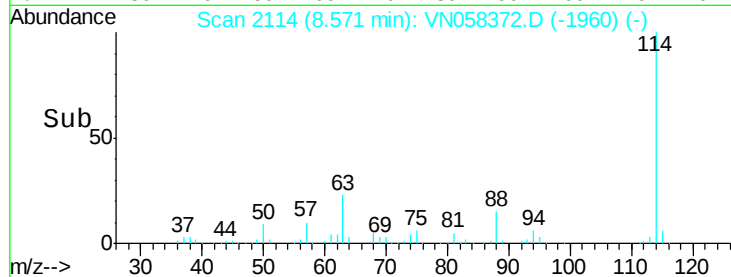
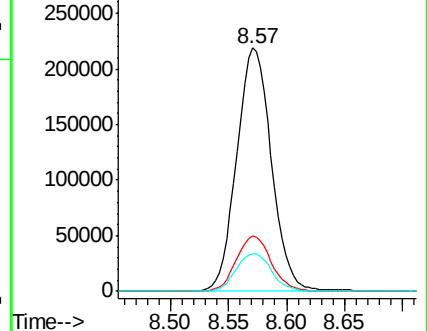
88 15.9 12.7 19.1



Abundance Ion 114.00 (113.70 to 114.70): VN058337.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058337.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058337.D (-2099) (-)



#50

1,1,2-Trichloroethane

Concen: 3.456 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.47 min

Lab File: VN058372.D

Acq: 26 Sep 2019 10:11

Tgt Ion: 97 Resp: 17564

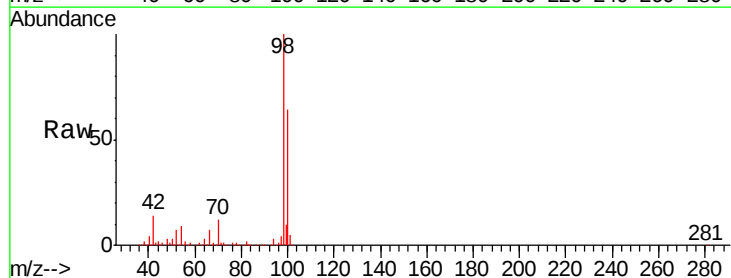
Ion Ratio Lower Upper

97 100

83 5.8 67.8 101.6#

85 0.0 45.8 68.6#

99 274.5 48.6 72.8#

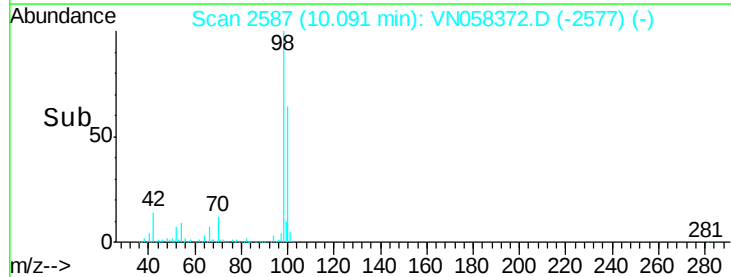
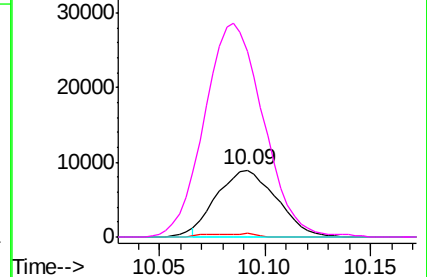


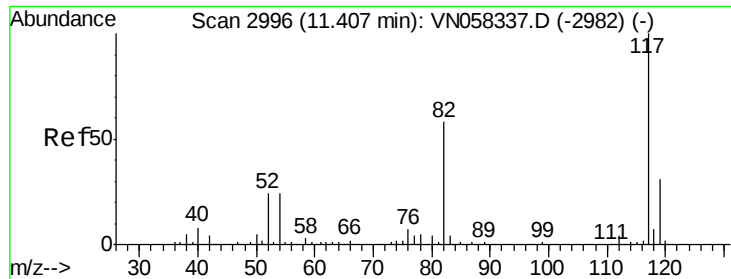
Abundance Ion 97.00 (96.70 to 97.70): VN058337.D (-2719) (-)

Ion 82.95 (82.65 to 83.65): VN058337.D (-2719) (-)

Ion 84.95 (84.65 to 85.65): VN058337.D (-2719) (-)

Ion 98.95 (98.65 to 99.65): VN058337.D (-2719) (-)

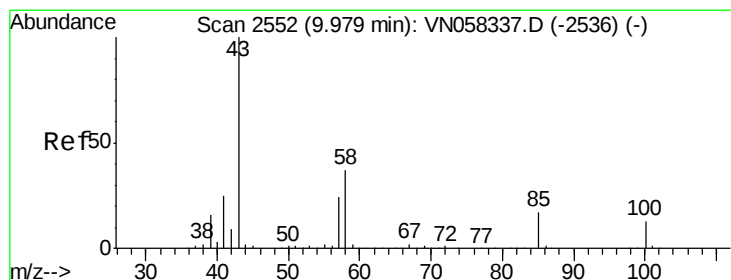
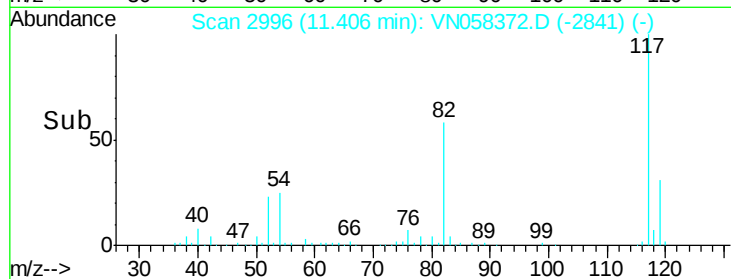
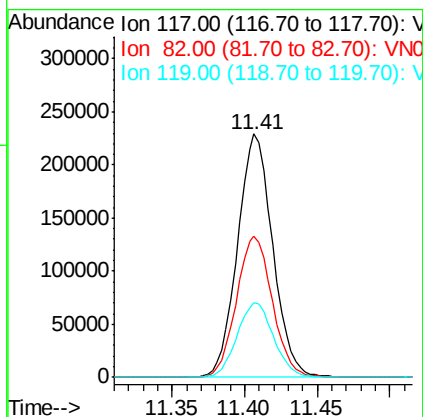
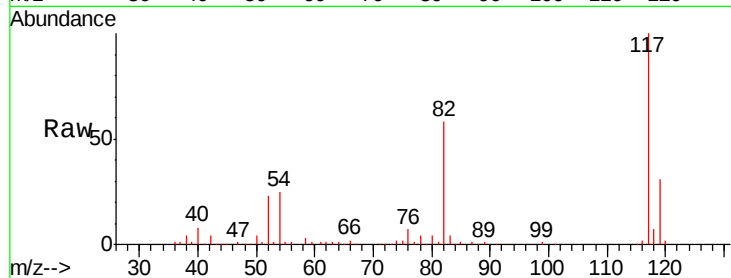




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

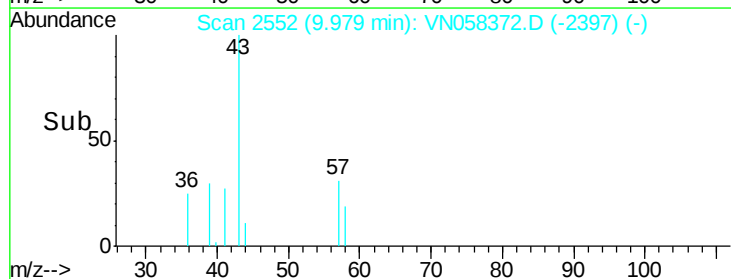
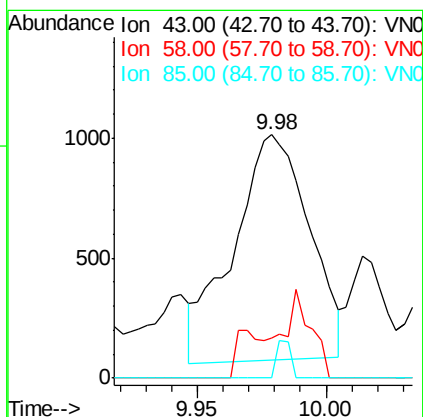
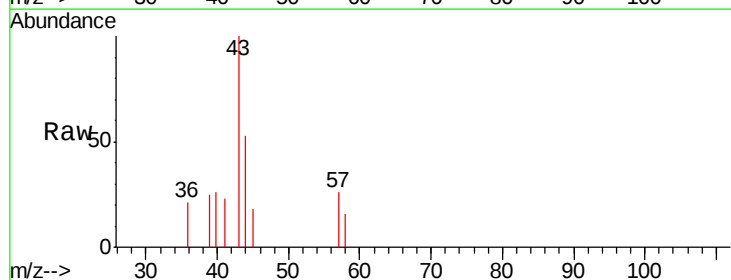
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

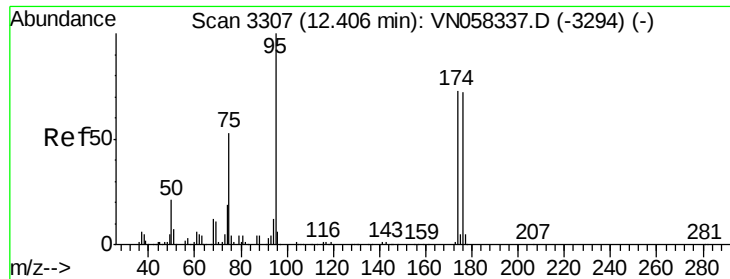
Tgt Ion: 117 Resp: 386644
Ion Ratio Lower Upper
117 100
82 59.3 46.4 69.6
119 31.8 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 0.318 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

Tgt Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
58 5.2 29.3 43.9#
85 3.1 13.1 19.7#

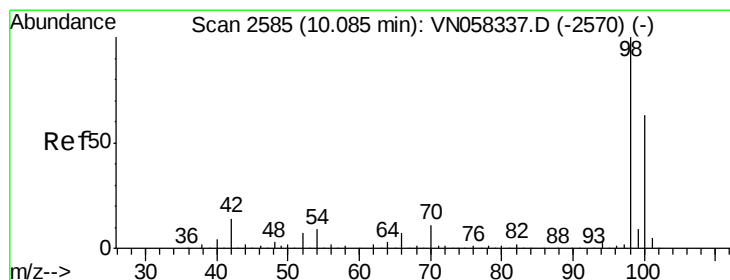
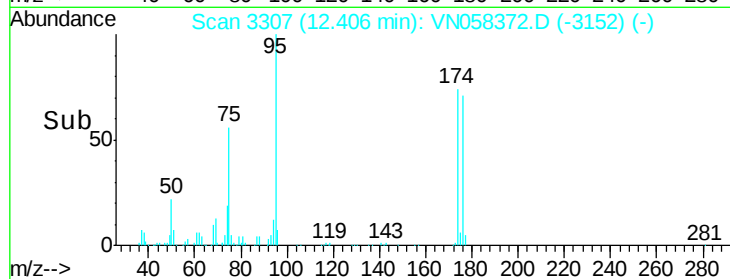
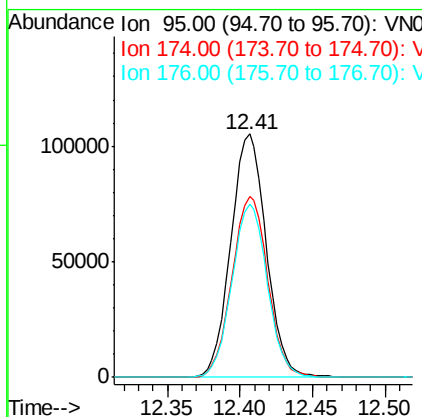
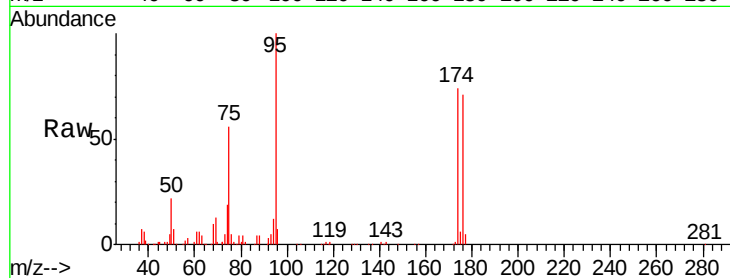




#60
4-Bromofluorobenzene
Concen: 26.689 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

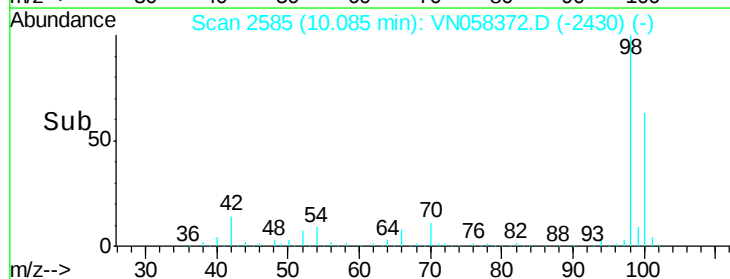
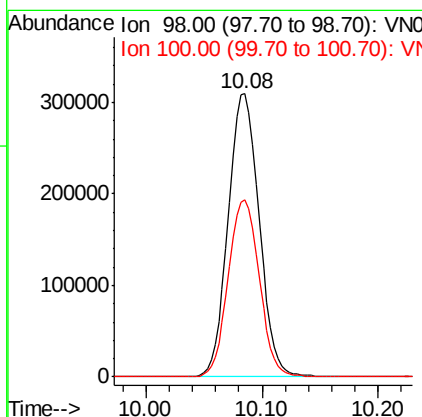
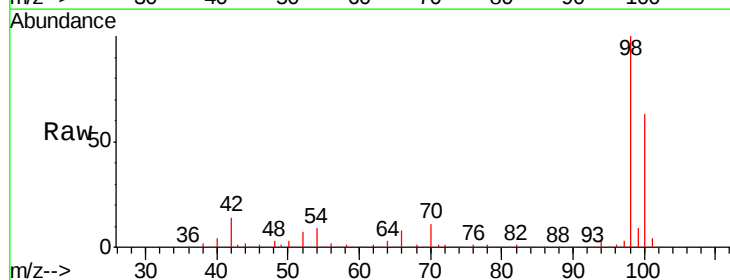
Instrument :
MSVOA_N
ClientSampled :
VN0926WBL01

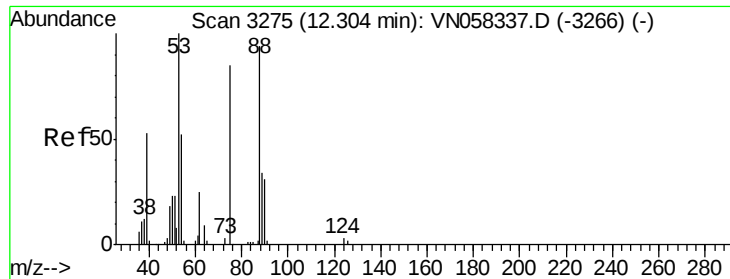
Tgt Ion: 95 Resp: 178549
Ion Ratio Lower Upper
95 100
174 75.2 59.0 88.6
176 71.2 58.2 87.2



#63
Toluene-d8
Concen: 31.008 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

Tgt Ion: 98 Resp: 572158
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2

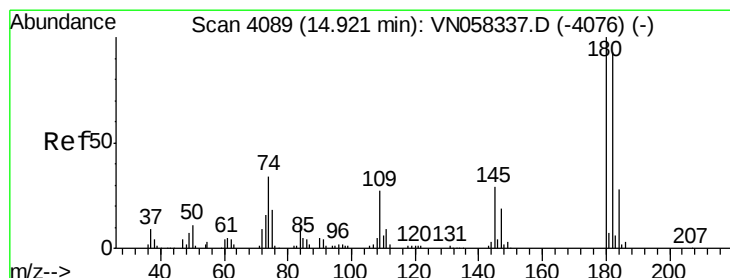
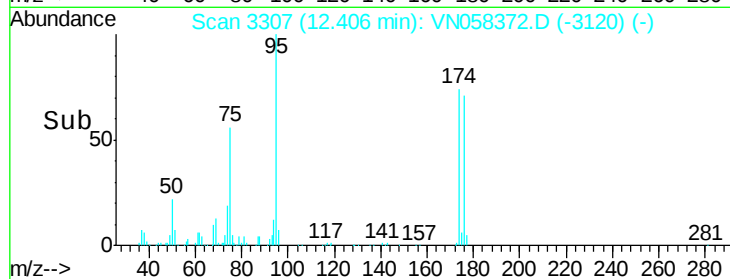
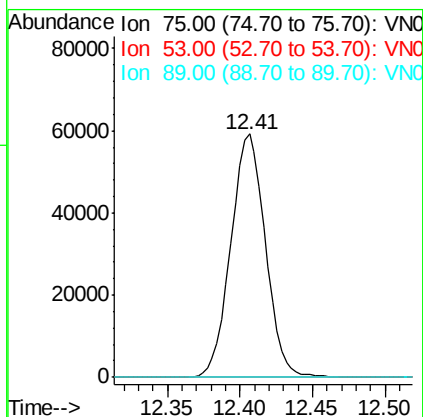
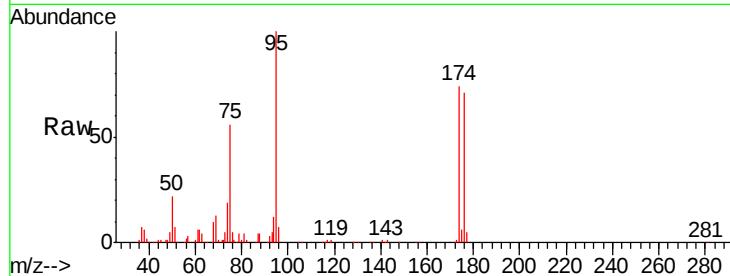




#77
t-1,4-Dichloro-2-butene
Concen: 49.278 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

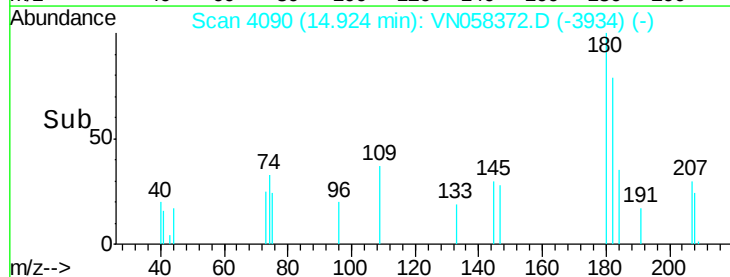
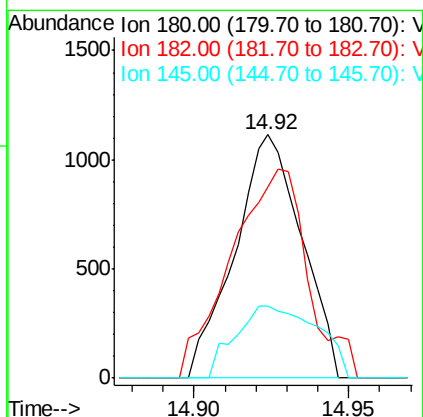
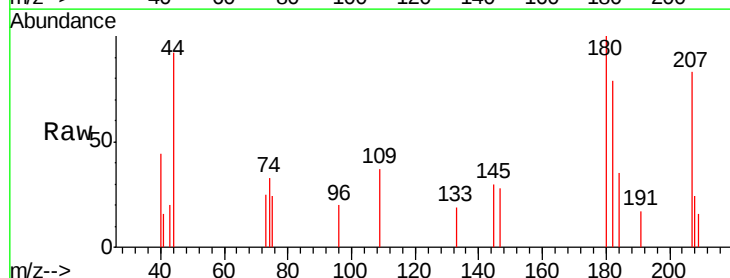
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

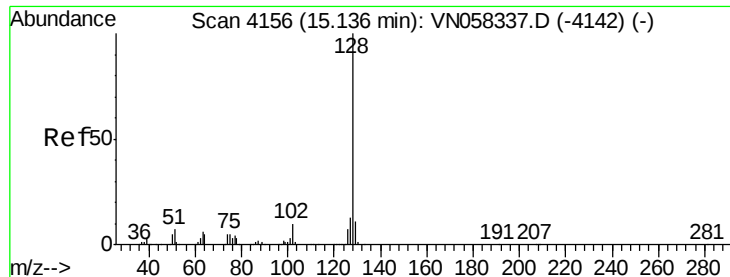
Tgt Ion: 75 Resp: 98146
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 21.6 65.0#



#89
1,2,4-Trichlorobenzene
Concen: 0.264 ug/l
RT: 14.92 min Scan# 4090
Delta R.T. 0.00 min
Lab File: VN058372.D
Acq: 26 Sep 2019 10:11

Tgt Ion: 180 Resp: 1682
Ion Ratio Lower Upper
180 100
182 94.1 75.2 112.8
145 36.4 25.1 37.7





#91

Naphthalene

Concen: 0.530 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN058372.D

Acq: 26 Sep 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBL01

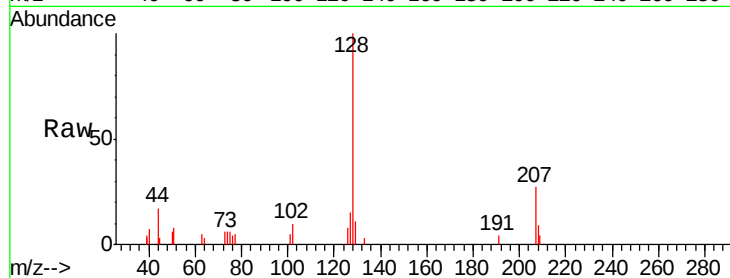
Tgt Ion:128 Resp: 9276

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

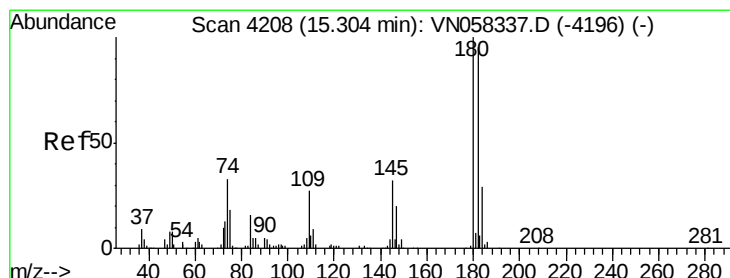
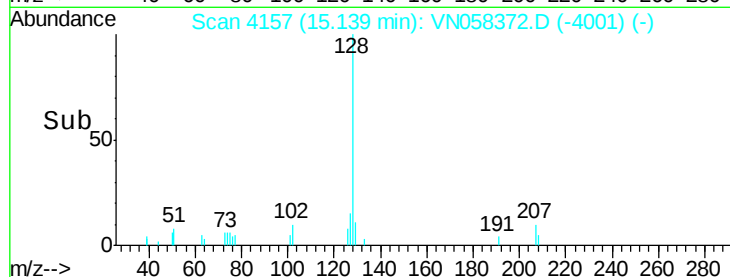
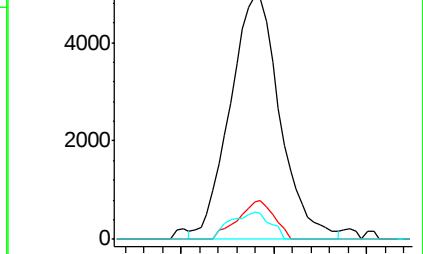
129 8.8 8.6 13.0



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: 0.427 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.01 min

Lab File: VN058372.D

Acq: 26 Sep 2019 10:11

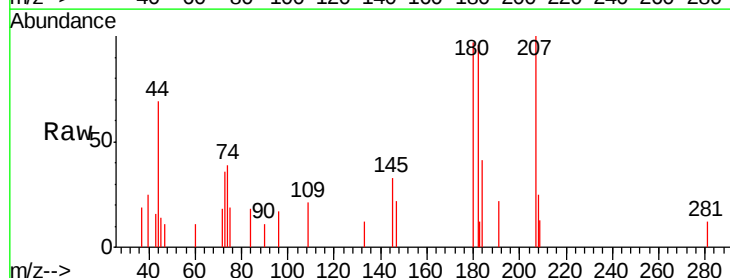
Tgt Ion:180 Resp: 2611

Ion Ratio Lower Upper

180 100

182 90.5 0.0 189.4

145 27.2 0.0 64.0



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

