

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060236.D
 Acq On : 25 Feb 2020 15:58
 Operator : JC/MD
 Sample : L1670-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 22:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.64
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.57
63) Chlorobenzene-d5	11.50	117	561286	50.00	ug/l	0.10
72) 1,4-Dichlorobenzene-d4	13.36	152	135322	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.29	98	972745	0.00	ug/l	0.22
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.44	95	193034	0.00	ug/l	0.05
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

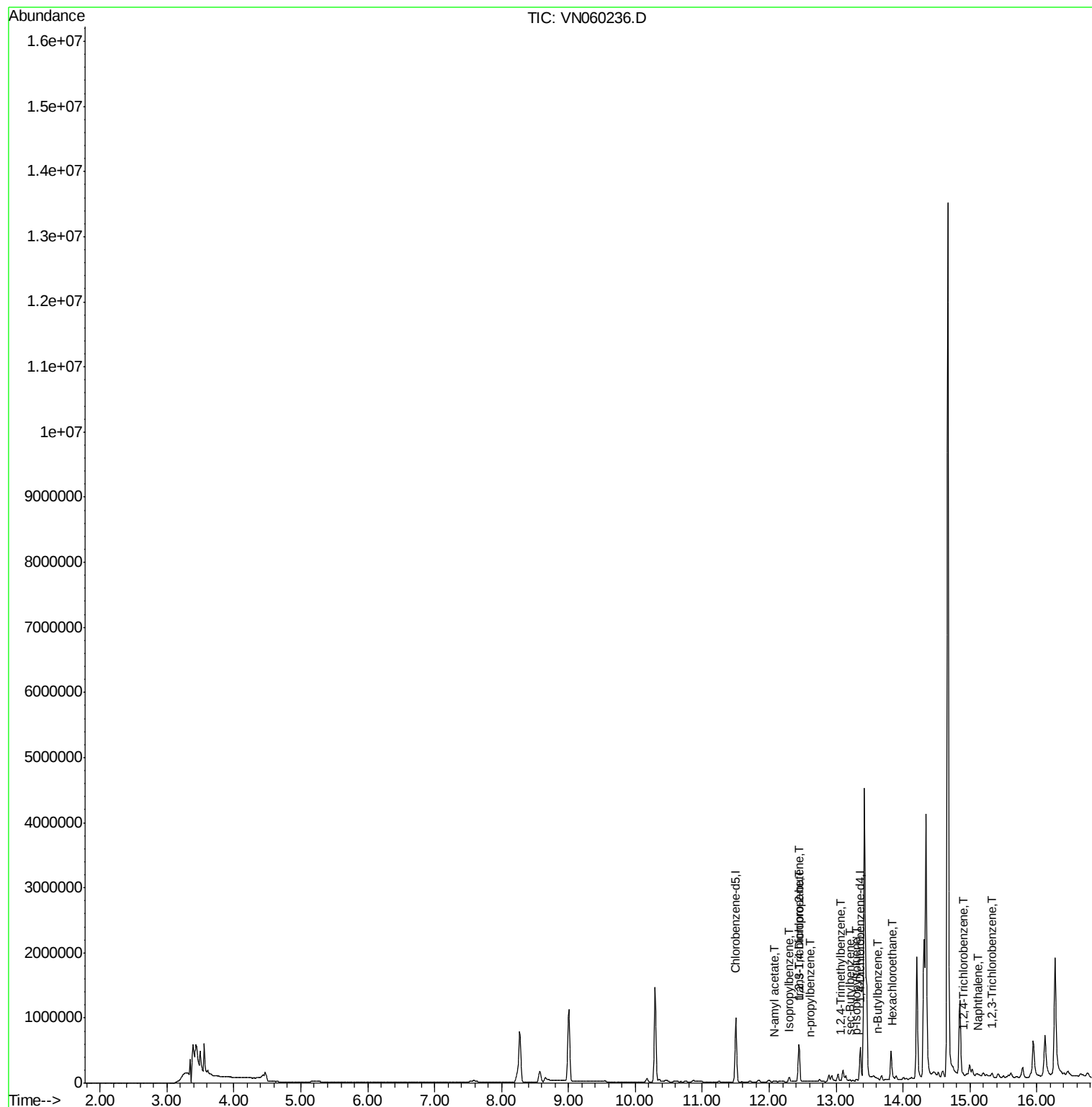
					Qvalue	
73) Isopropylbenzene	12.30	105	34389	3.403	ug/l	99
74) N-amyl acetate	12.07	43	7309	2.006	ug/l #	50
76) 1,2,3-Trichloropropane	12.44	75	98284	37.962	ug/l #	100
78) n-propylbenzene	12.63	91	2355	0.205	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.44	75	98284	92.950	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.06	105	10462	1.261	ug/l	87
85) sec-Butylbenzene	13.19	105	2987	0.303	ug/l	90
86) p-Isopropyltoluene	13.31	119	13093	1.468	ug/l	98
89) n-Butylbenzene	13.62	91	2269	0.289	ug/l #	79
90) Hexachloroethane	13.85	117	578	0.347	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.30	75	163	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1183	0.463	ug/l #	1
95) Naphthalene	15.13	128	18390	2.667	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	1650	0.649	ug/l #	8

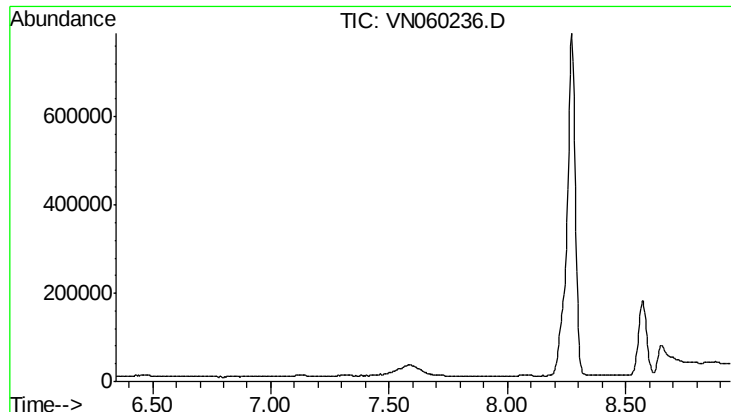
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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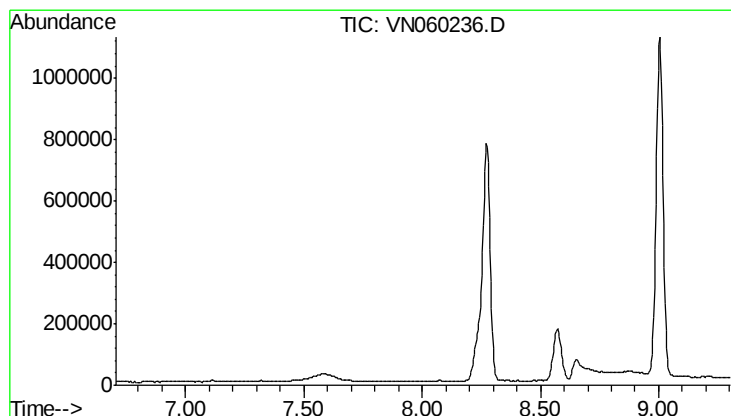
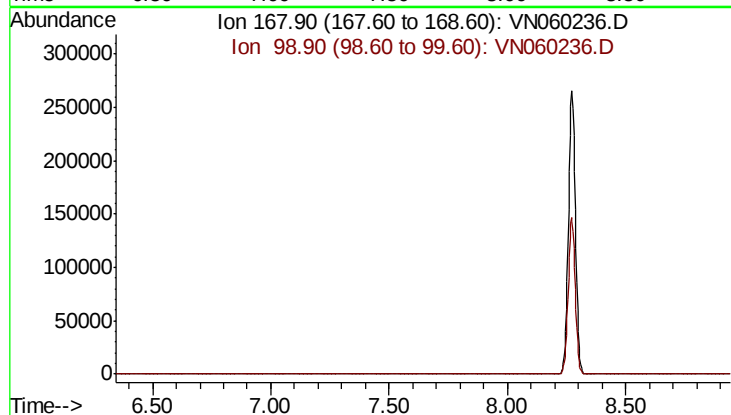


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.64 min

Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :

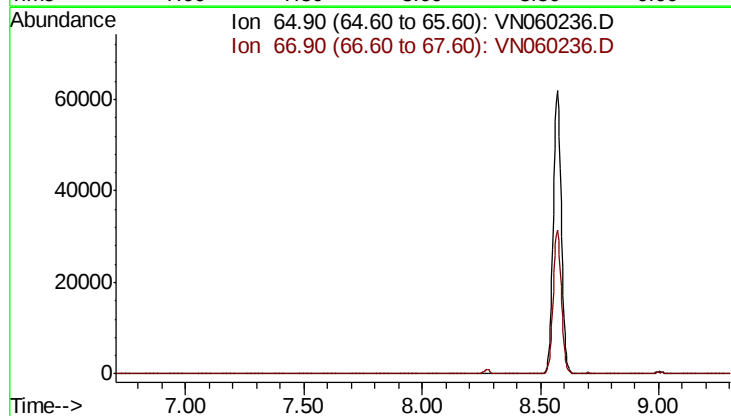
Tot Ion	168
Sig	Exp Ratio
168	100
99	53.4

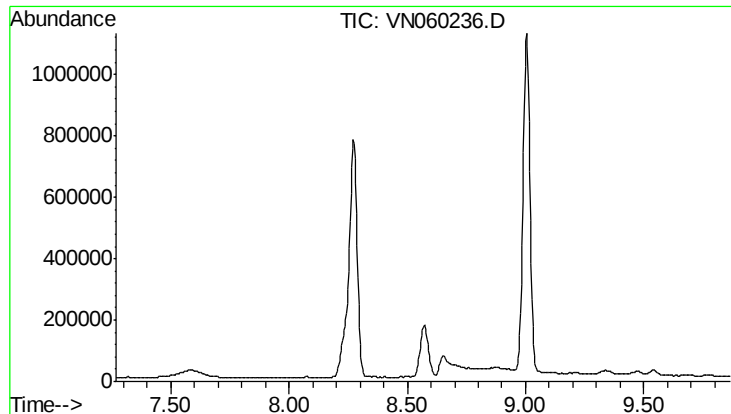


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.00 min

Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

Tgt Ion	65
Sig	Exp Ratio
65	100
67	52.0

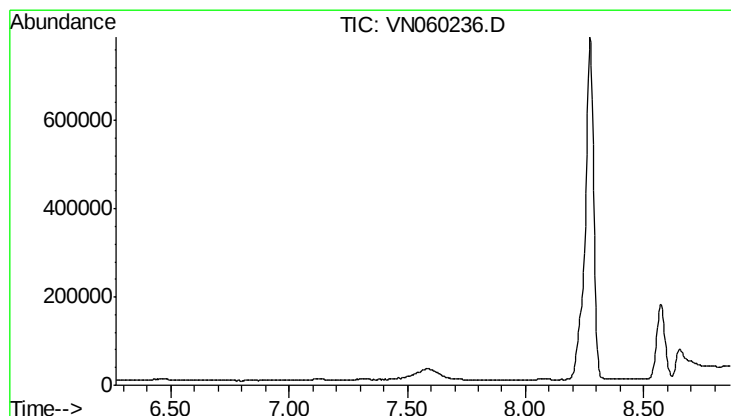
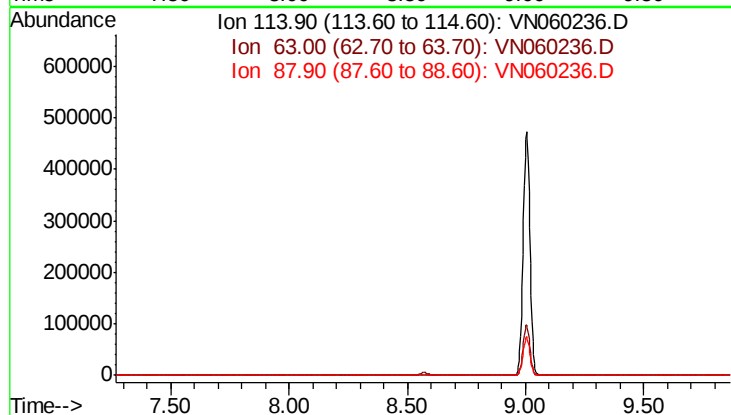




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.57 min
 Lab File: VN060236.D
 Acq: 25 Feb 2020 15:58

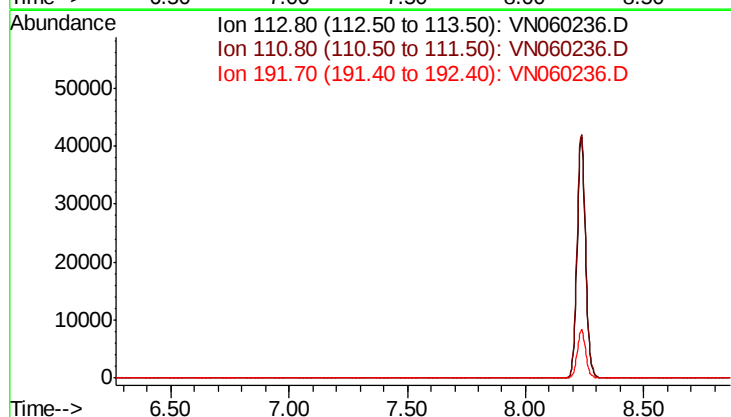
Instrument :
 MSVOA_N
 ClientSampleId :

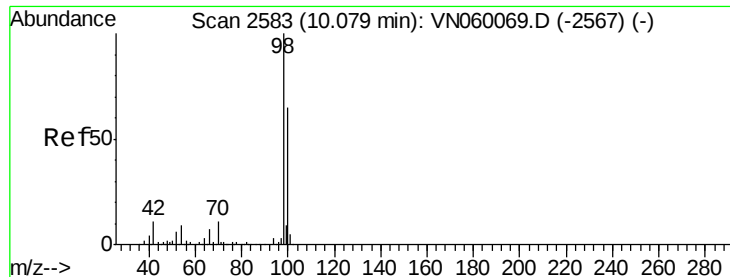
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 20.0
 88 15.8



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.57 min
 Lab File: VN060236.D
 Acq: 25 Feb 2020 15:58

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.8
 192 20.2

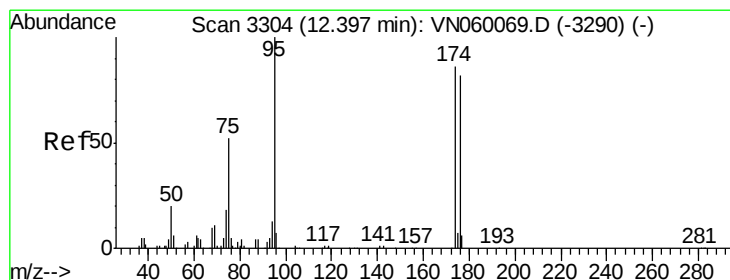
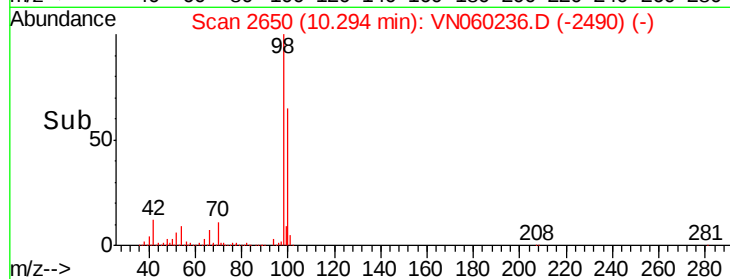
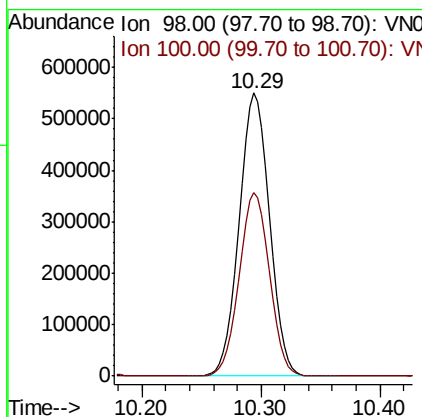
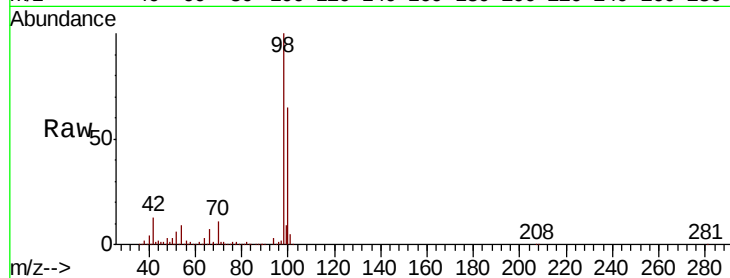




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.29 min Scan# 2650
Delta R.T. 0.22 min
Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

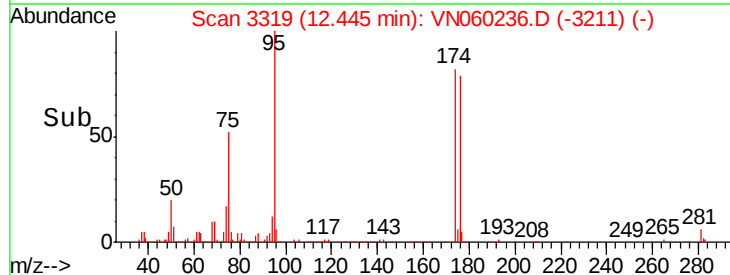
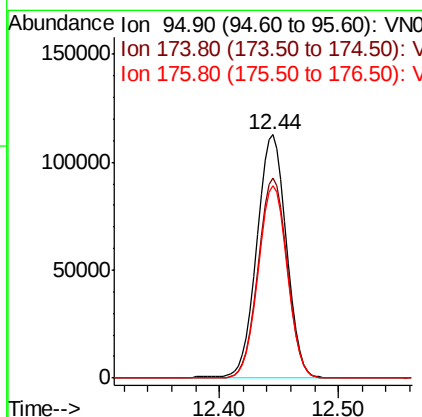
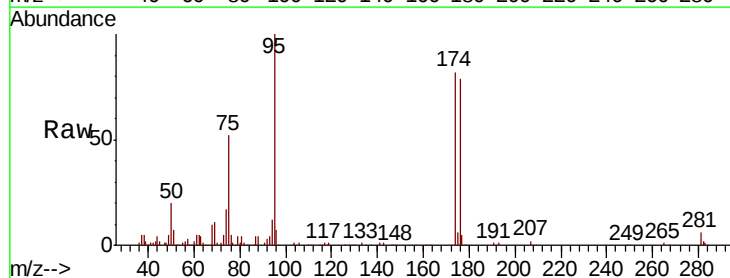
Instrument :
MSVOA_N
ClientSampled :

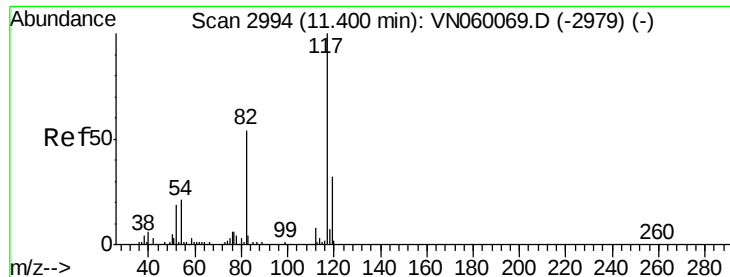
Tot Ion: 98 Resp: 972745
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.44 min Scan# 3319
Delta R.T. 0.05 min
Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

Tgt Ion: 95 Resp: 193034
Ion Ratio Lower Upper
95 100
174 81.4 0.0 169.8
176 78.4 0.0 164.8

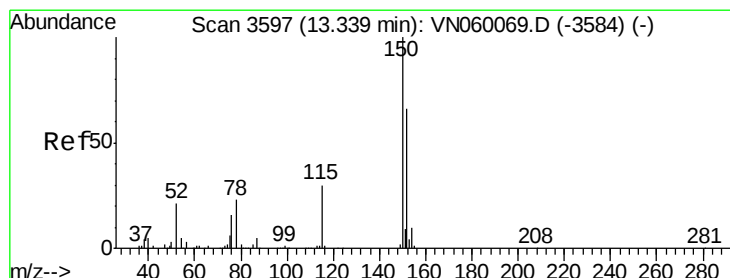
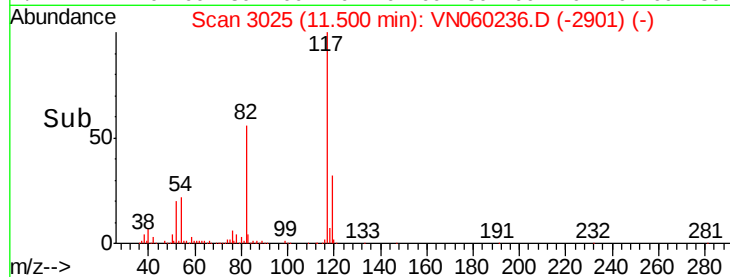
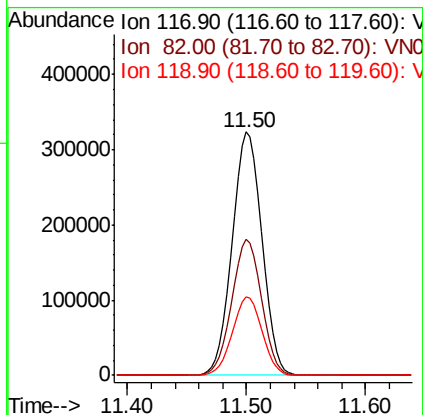
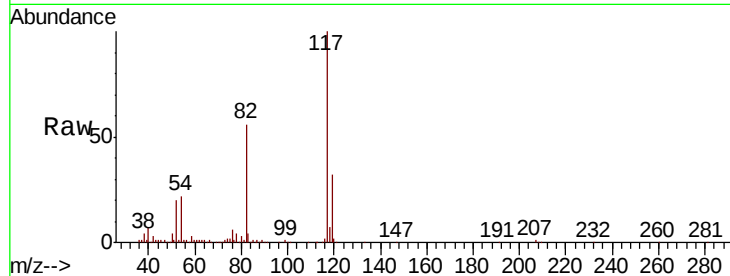




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.10 min
Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

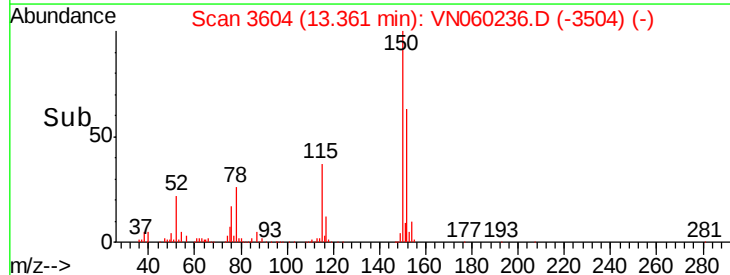
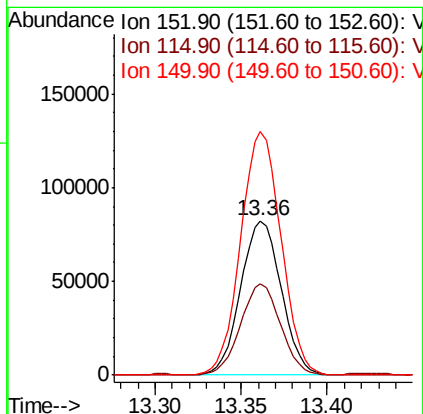
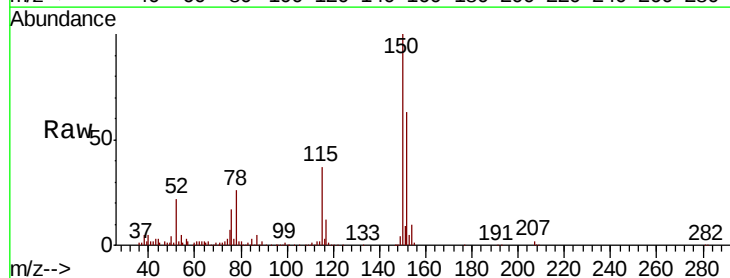
Instrument :
MSVOA_N
ClientSampled :

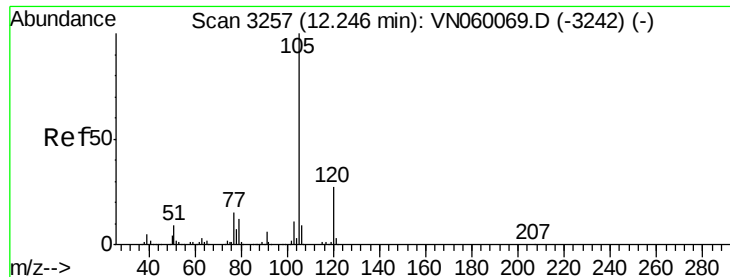
Tot Ion:117 Resp: 561286
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.02 min
Lab File: VN060236.D
Acq: 25 Feb 2020 15:58

Tgt Ion:152 Resp: 135322
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.8
150 157.2 0.0 342.4





#73

Isopropylbenzene

Concen: 3.403 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.05 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

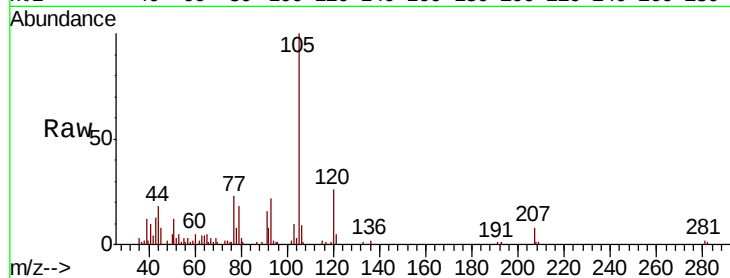
ClientSampleId :

Tot Ion: 105 Resp: 34389

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.30

20000

15000

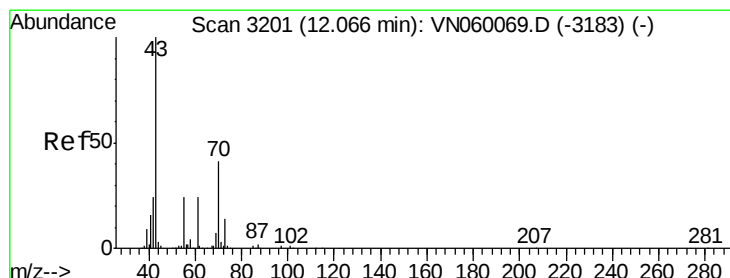
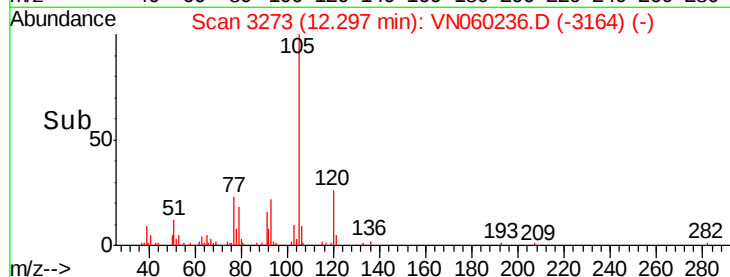
10000

5000

0

Time-->

12.25 12.30 12.35



#74

N-ethyl acetate

Concen: 2.006 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Tgt Ion: 43 Resp: 7309

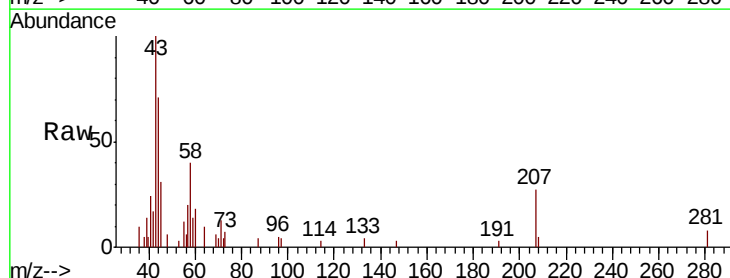
Ion Ratio Lower Upper

43 100

70 4.7 33.4 50.0#

55 6.0 18.8 28.2#

61 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

8000

6000

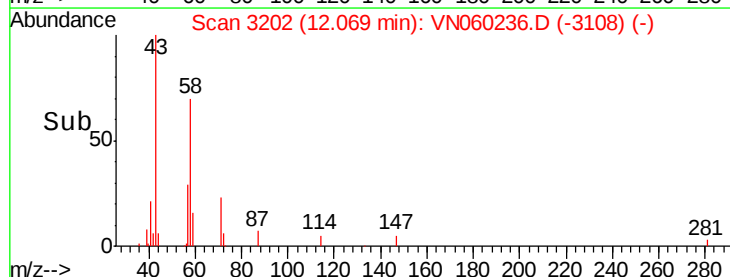
4000

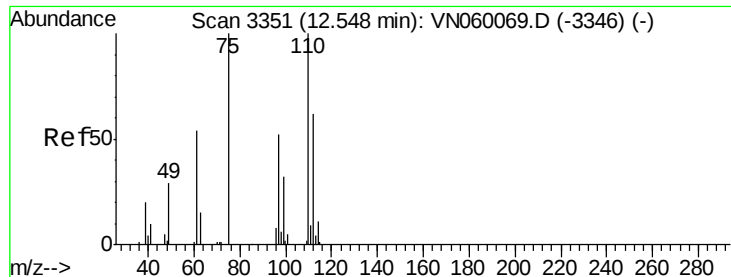
2000

0

Time-->

12.00 12.05 12.10 12.15





#76

1,2,3-Trichloropropane

Concen: 37.962 ug/l

RT: 12.44 min Scan# 3319

Delta R.T. -0.10 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

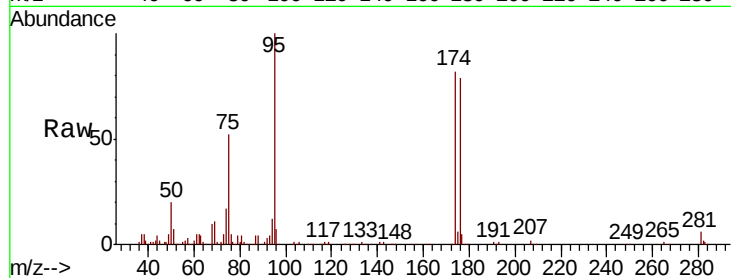
ClientSampleId :

Tot Ion: 75 Resp: 98284

Ion Ratio Lower Upper

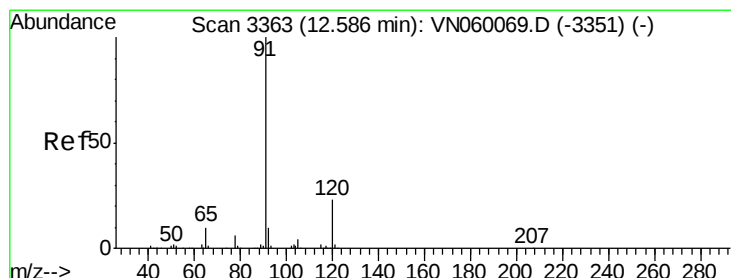
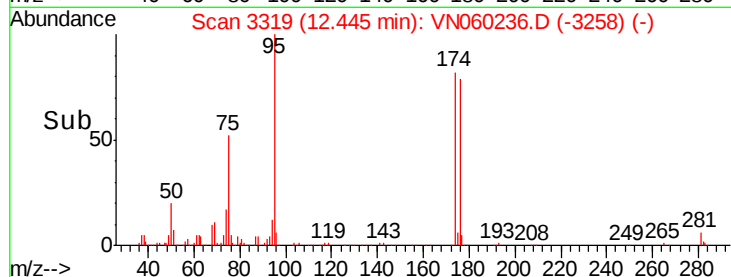
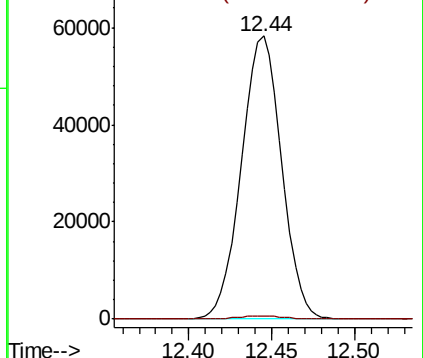
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.205 ug/l

RT: 12.63 min Scan# 3375

Delta R.T. 0.04 min

Lab File: VN060236.D

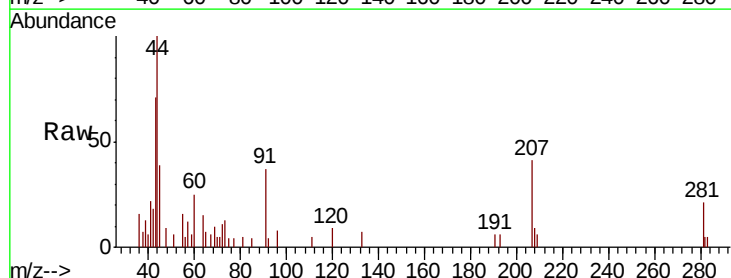
Acq: 25 Feb 2020 15:58

Tgt Ion: 91 Resp: 2355

Ion Ratio Lower Upper

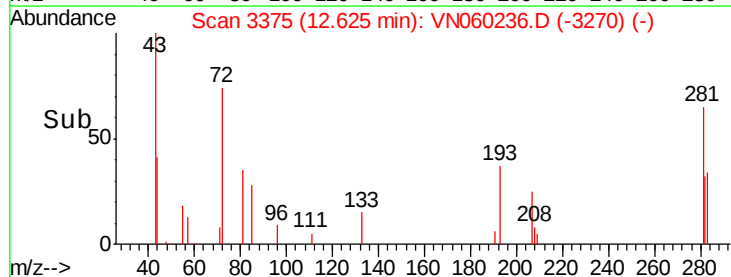
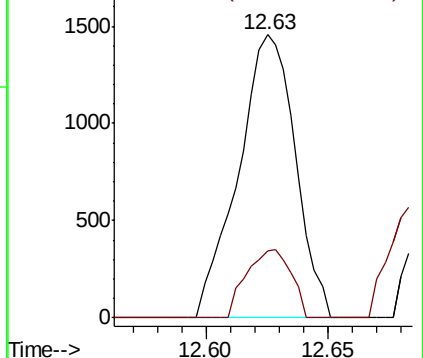
91 100

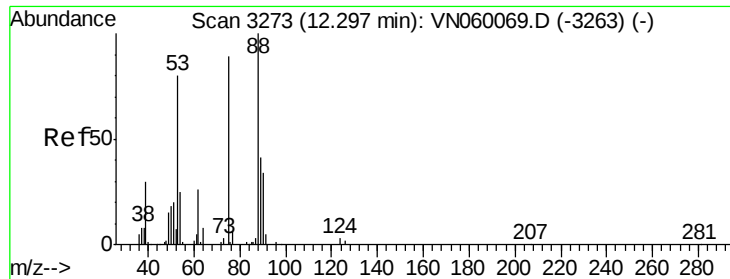
120 18.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 92.950 ug/l

RT: 12.44 min Scan# 3319

Delta R.T. 0.15 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

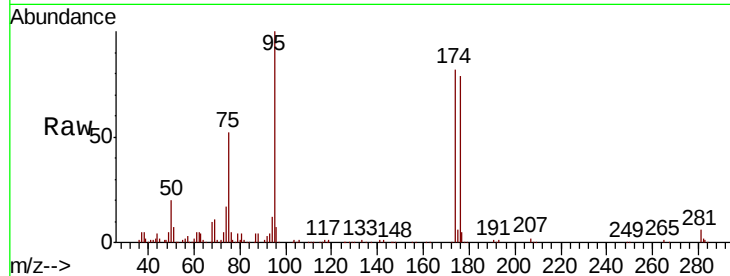
Tot Ion: 75 Resp: 98284

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

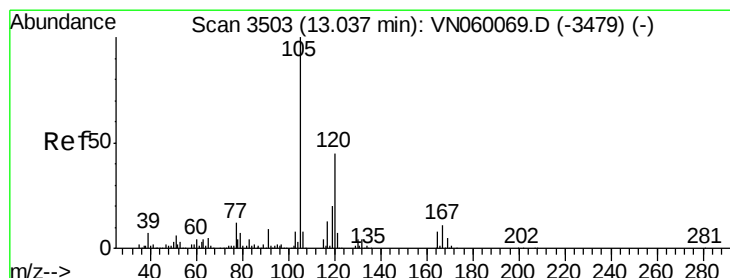
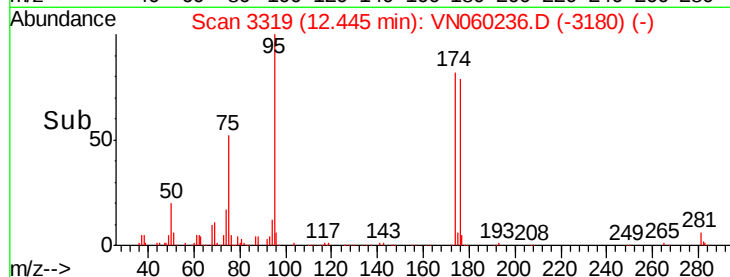
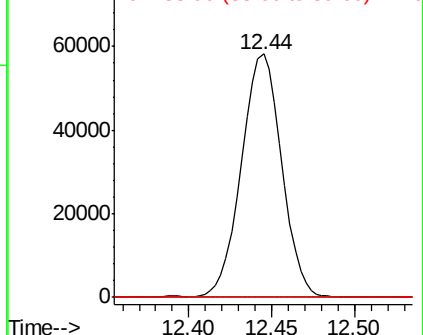
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060069.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060069.D (-3263) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.261 ug/l

RT: 13.06 min Scan# 3510

Delta R.T. 0.02 min

Lab File: VN060236.D

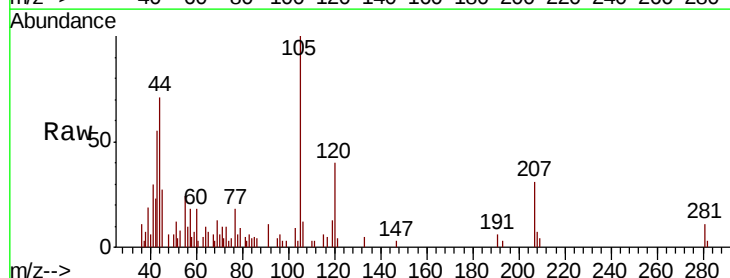
Acq: 25 Feb 2020 15:58

Tgt Ion: 105 Resp: 10462

Ion Ratio Lower Upper

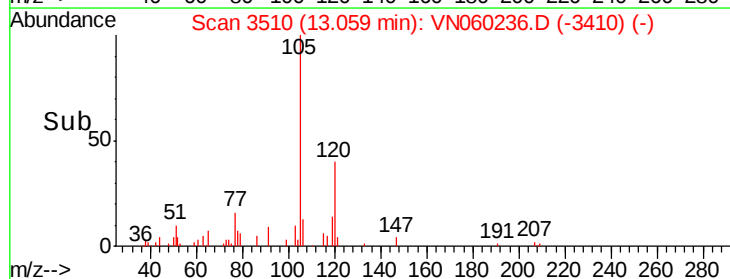
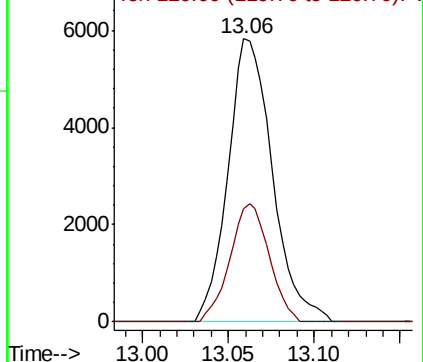
105 100

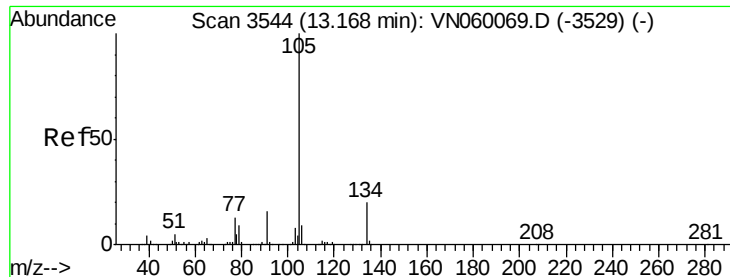
120 36.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3479) (-)





#85

sec-Butylbenzene

Concen: 0.303 ug/l

RT: 13.19 min Scan# 3551

Delta R.T. 0.02 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

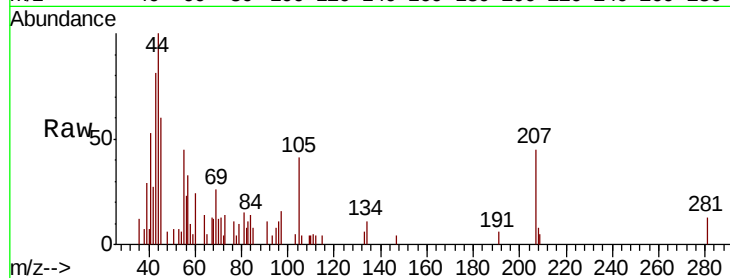
ClientSampled :

Tot Ion:105 Resp: 2987

Ion Ratio Lower Upper

105 100

134 24.4 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.19

2000

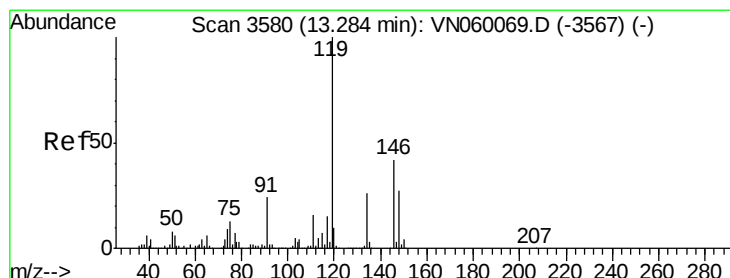
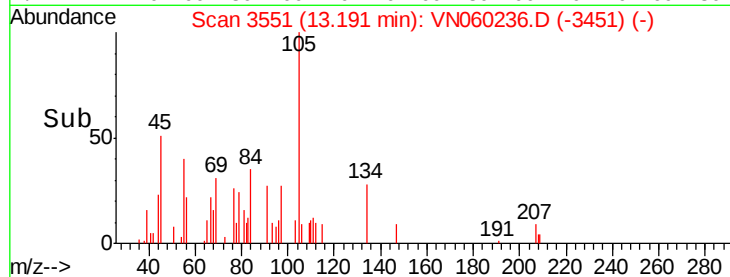
1500

1000

500

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.468 ug/l

RT: 13.31 min Scan# 3587

Delta R.T. 0.02 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

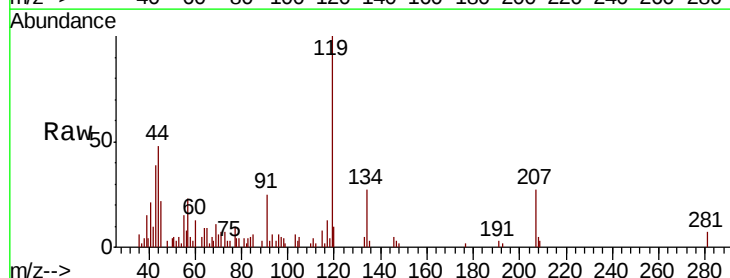
Tgt Ion:119 Resp: 13093

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 25.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.31

10000

8000

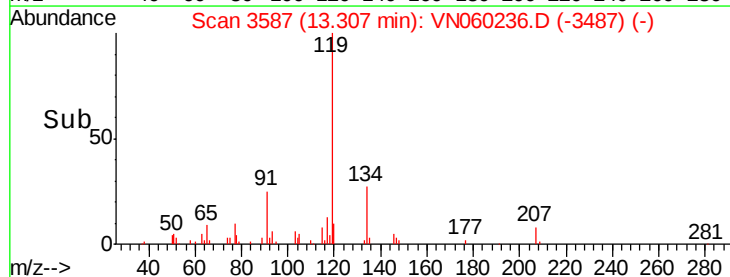
6000

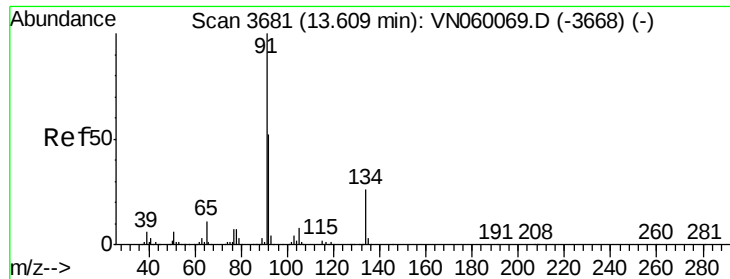
4000

2000

0

Time-->





#89

n-Butylbenzene

Concen: 0.289 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.02 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

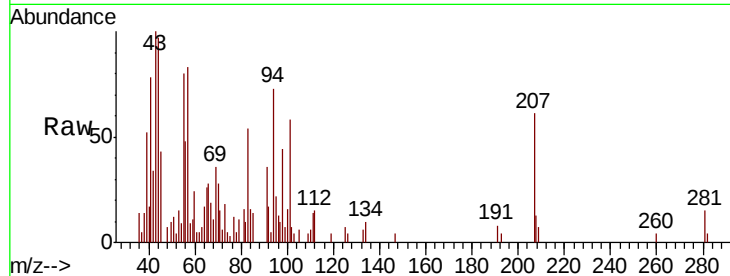
Tot Ion: 91 Resp: 2269

Ion Ratio Lower Upper

91 100

92 55.8 26.1 78.2

134 0.0 13.1 39.3#

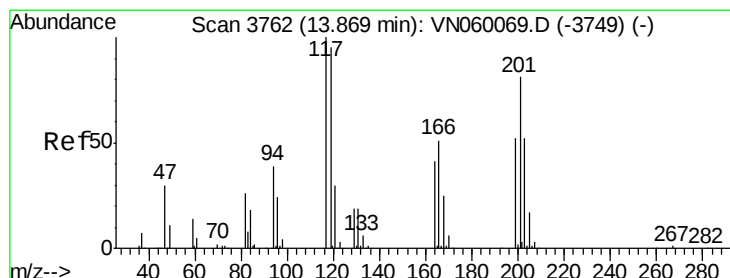
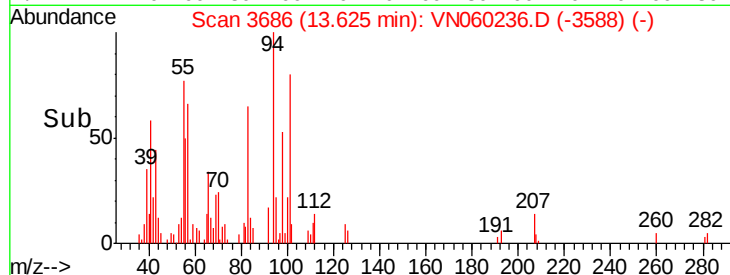
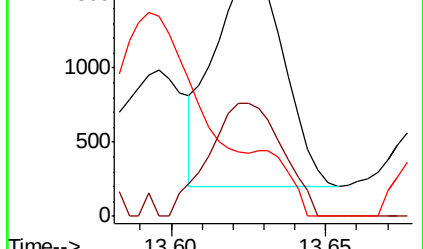


Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 0.347 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.02 min

Lab File: VN060236.D

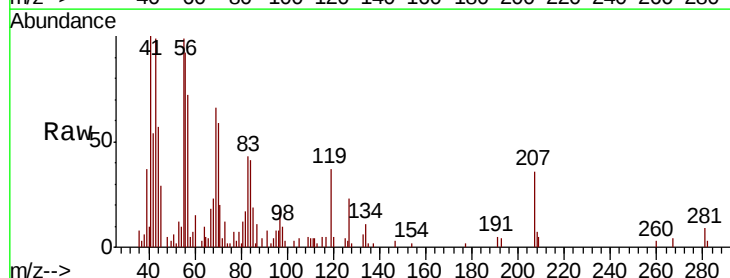
Acq: 25 Feb 2020 15:58

Tgt Ion: 117 Resp: 578

Ion Ratio Lower Upper

117 100

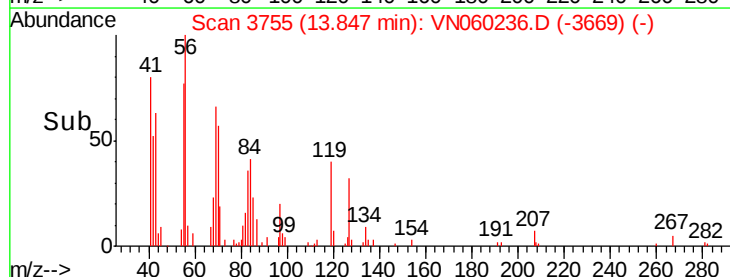
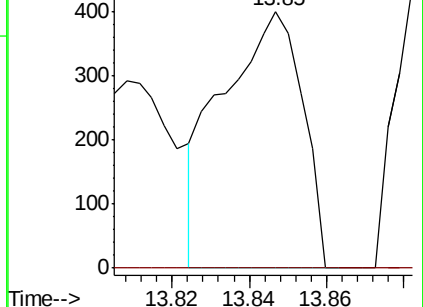
201 0.0 41.7 125.1#

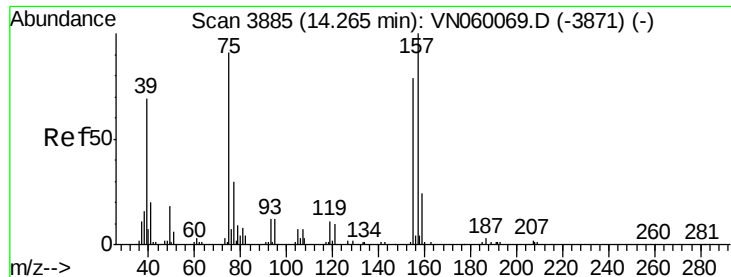


Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.30 min Scan# 3896

Delta R.T. 0.04 min

Lab File: VN060236.D

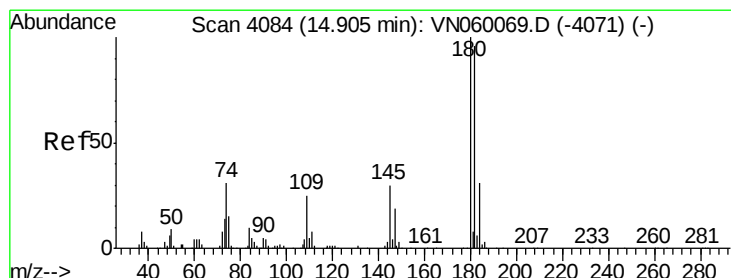
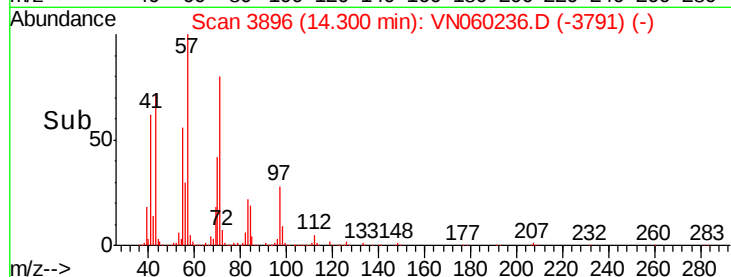
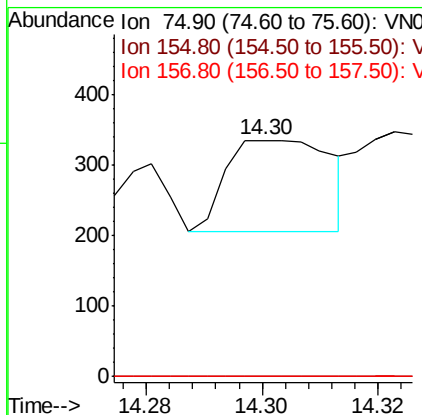
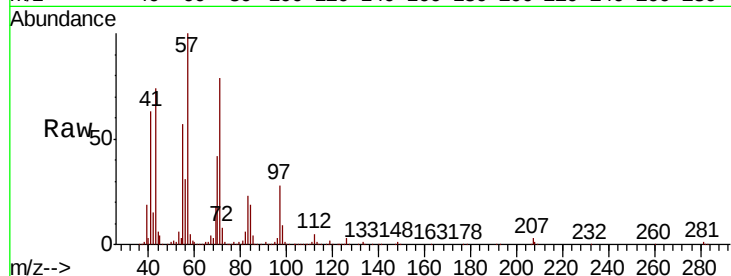
Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	75	Resp:	163
Ion	Ratio	Lower	Upper
75	100		
155	0.0	43.0	129.0#
157	0.0	54.9	164.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.463 ug/l

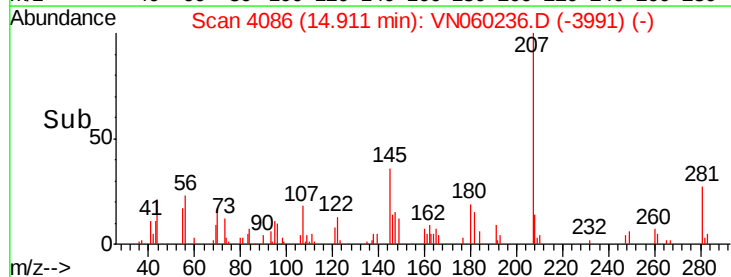
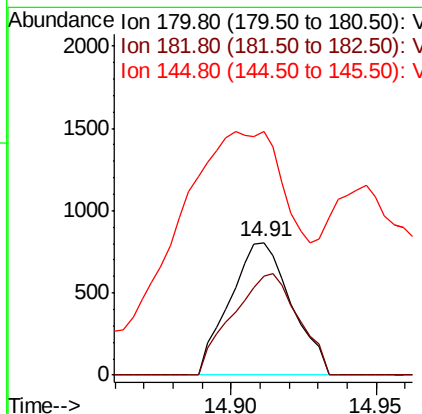
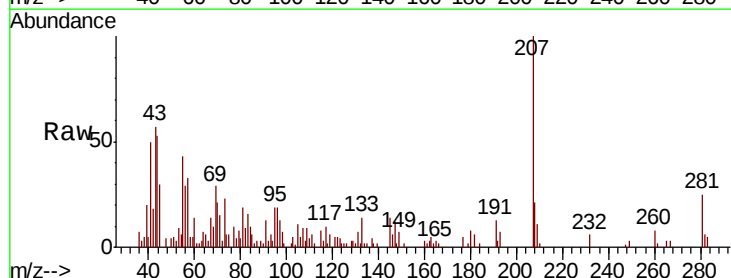
RT: 14.91 min Scan# 4086

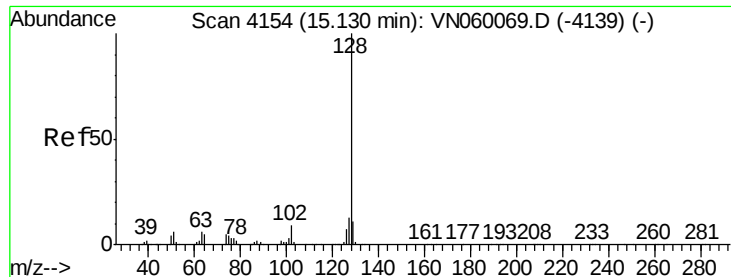
Delta R.T. 0.01 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Tgt Ion:	180	Resp:	1183
Ion	Ratio	Lower	Upper
180	100		
182	82.4	47.9	143.8
145	258.9	15.2	45.5#





#95

Naphthalene

Concen: 2.667 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

Instrument :

MSVOA_N

ClientSampled :

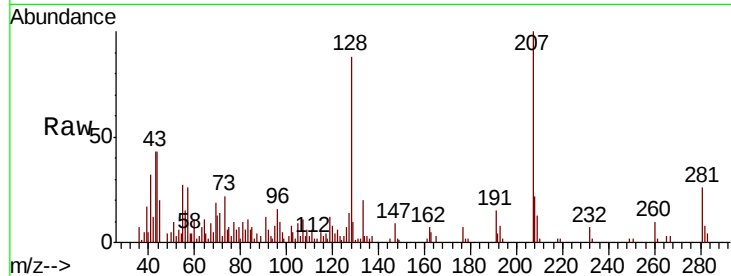
Tot Ion:128 Resp: 18390

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

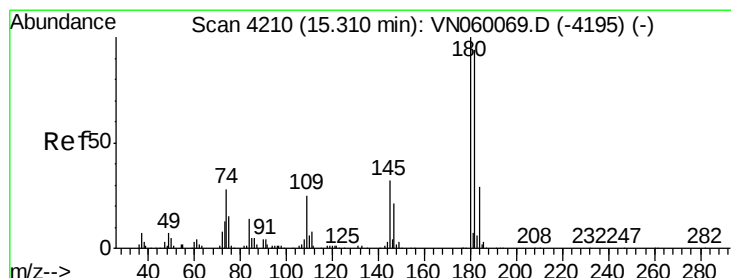
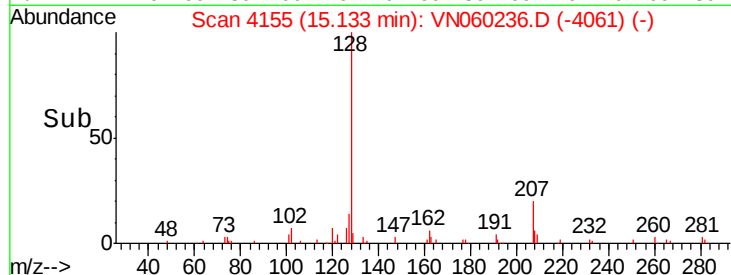
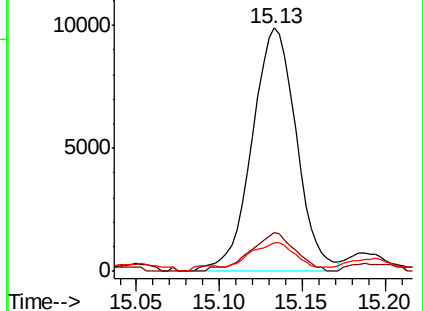
129 9.4 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.649 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN060236.D

Acq: 25 Feb 2020 15:58

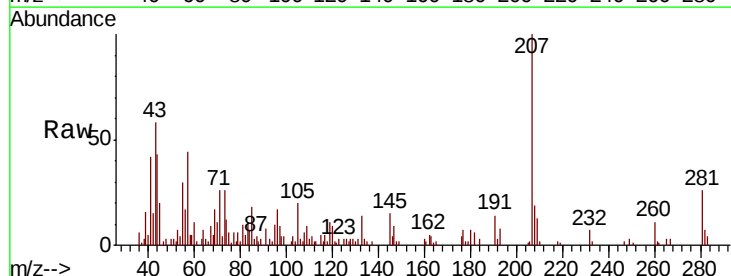
Tgt Ion:180 Resp: 1650

Ion Ratio Lower Upper

180 100

182 78.1 47.5 142.5

145 207.3 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

