

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062530.D
 Acq On : 24 May 2019 14:27
 Operator : VA/AP
 Sample : K3019-01
 Misc : 5.41g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3422

Quant Time: May 24 22:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.06
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.23
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-12.38
72) 1,4-Dichlorobenzene-d4	14.52	152	211	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	0.00	98	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	

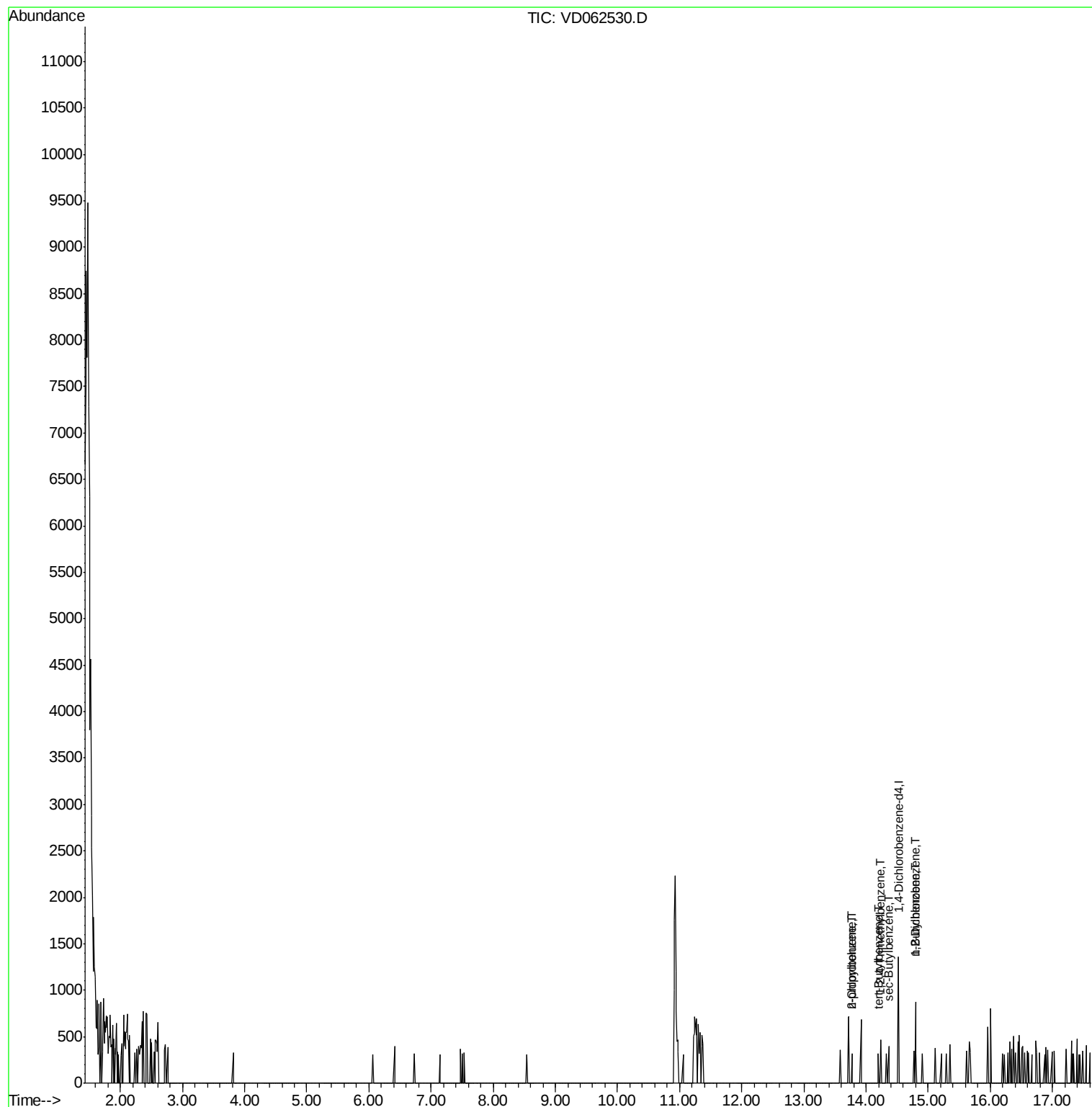
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
78) n-propylbenzene	13.77	91	187	12.138	ug/l #	54
79) 2-Chlorotoluene	13.77	91	187	20.002	ug/l #	38
83) tert-Butylbenzene	14.20	119	187	14.639	ug/l #	25
84) 1,2,4-Trimethylbenzene	14.24	105	277	23.474	ug/l #	30
85) sec-Butylbenzene	14.36	105	238	17.869	ug/l #	60
89) n-Butylbenzene	14.80	91	317	27.213	ug/l #	63
91) 1,2-Dichlorobenzene	14.81	146	187	33.006	ug/l #	25

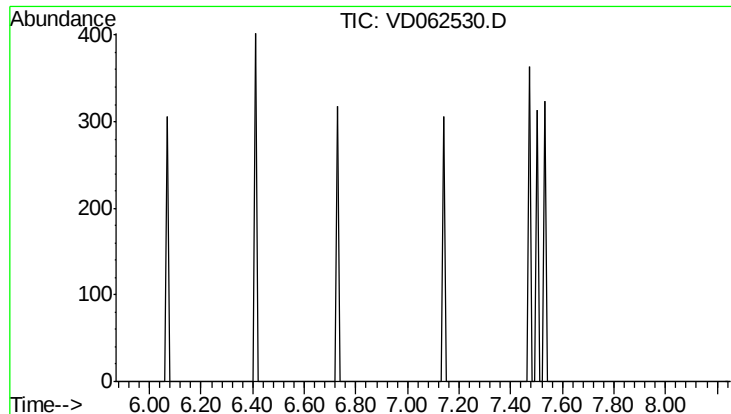
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.06 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

Tot Ion: 168

Sig Exp Ratio

168 100

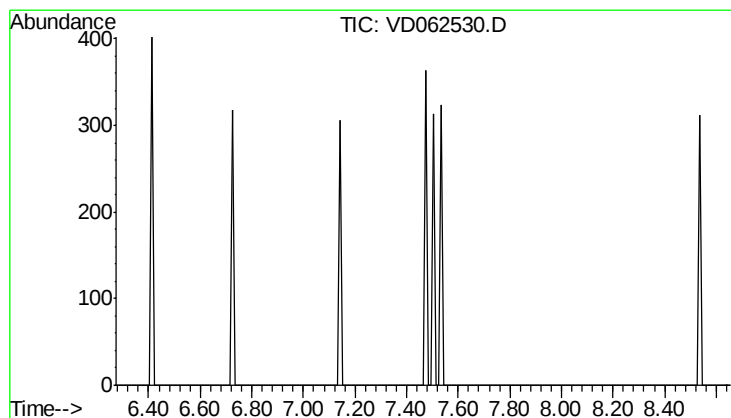
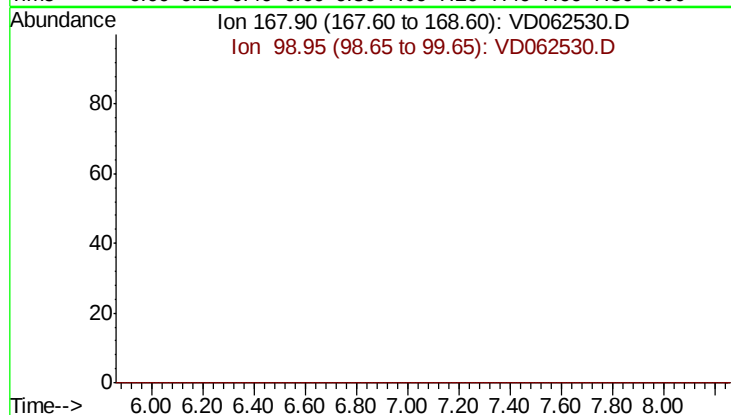
99 58.1

Instrument :

MSVOA_D

ClientSampleId :

RT-3422



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.46 min

Lab File: VD062530.D

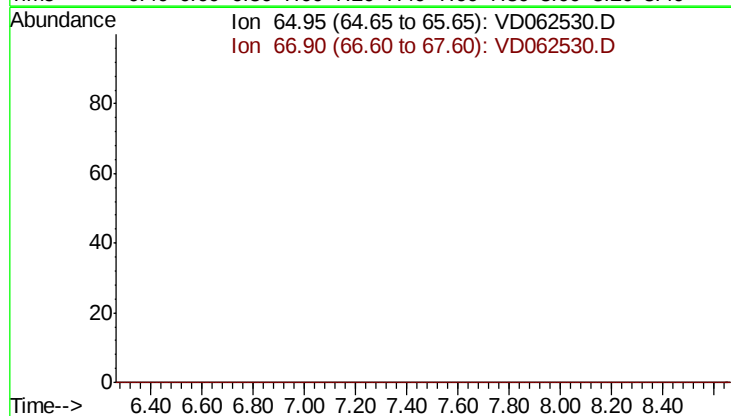
Acq: 24 May 2019 14:27

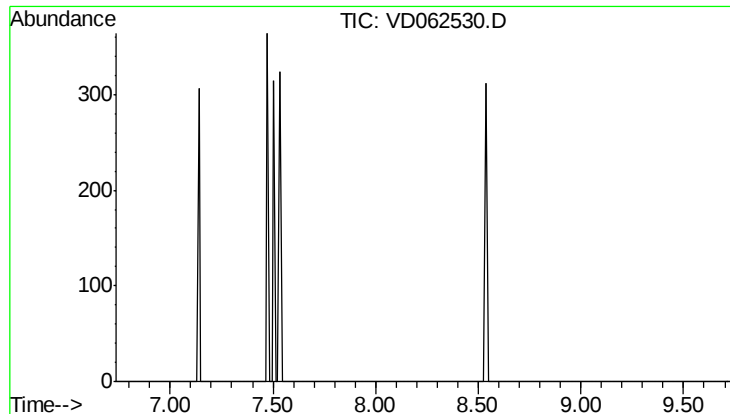
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.0



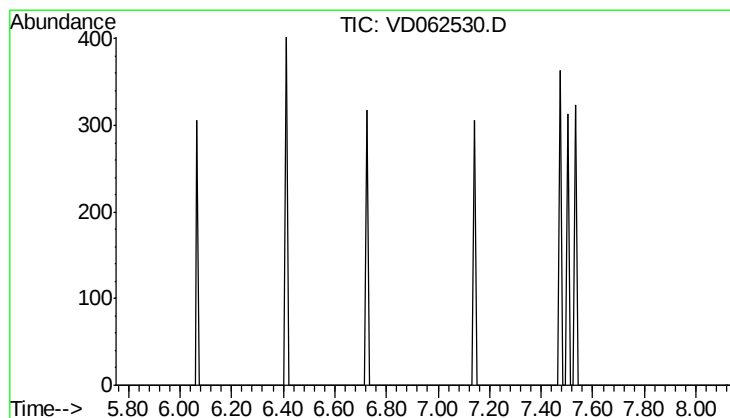
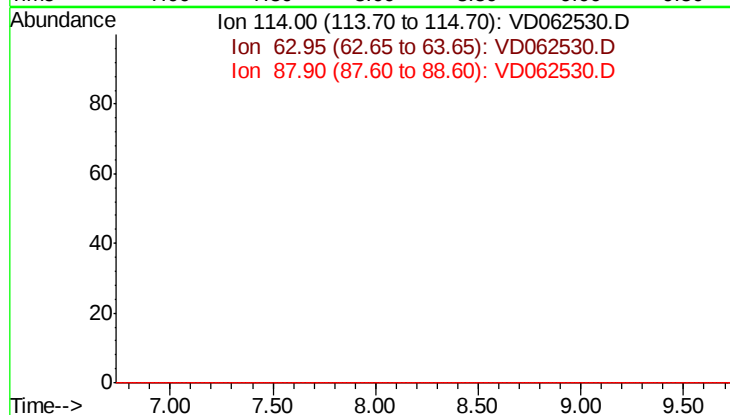


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.23 min
 Lab File: VD062530.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3422

Tot Ion: 114

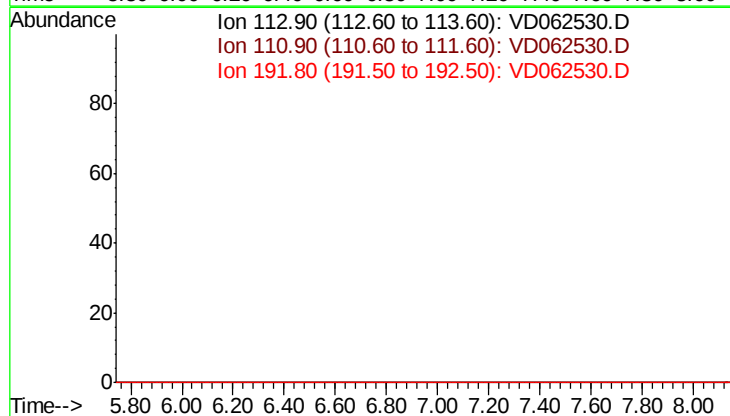
Sig	Exp Ratio
114	100
63	16.2
88	16.8

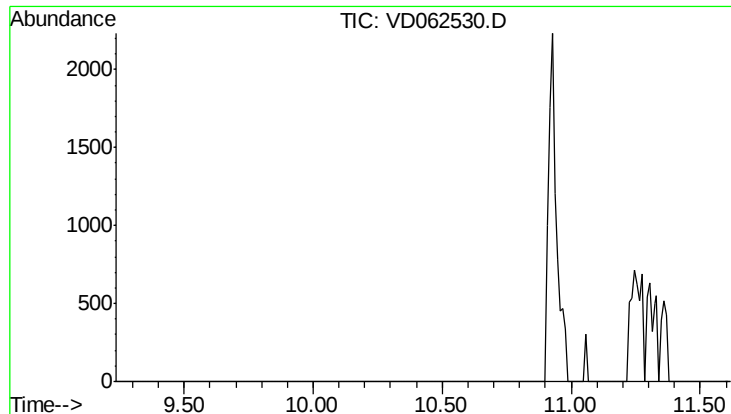


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 6.94 min
 Lab File: VD062530.D
 Acq: 24 May 2019 14:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	98.1
192	16.2



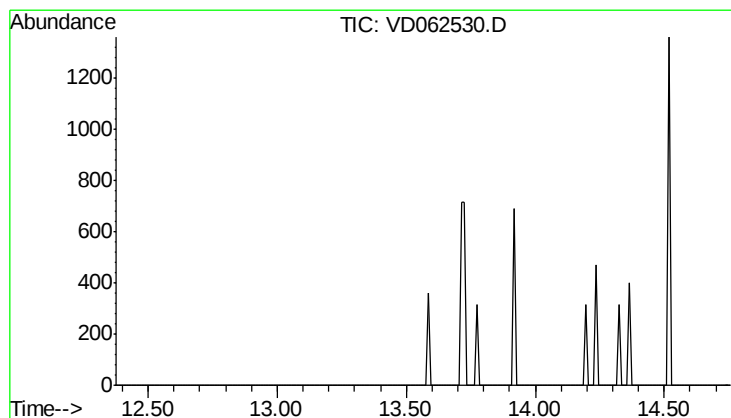
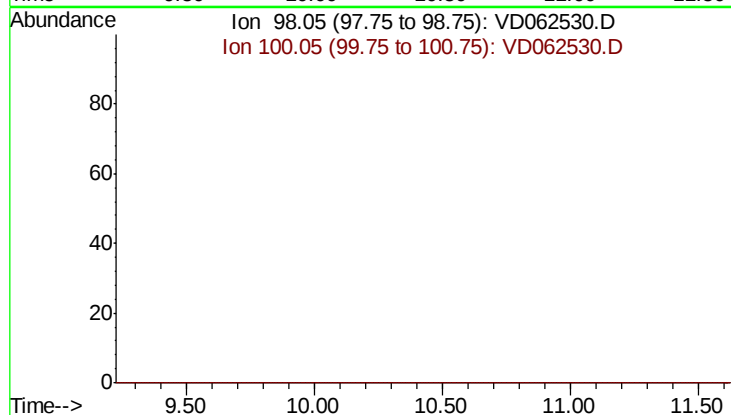


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.43 min

Lab File: VD062530.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_D
ClientSampleId :
RT-3422

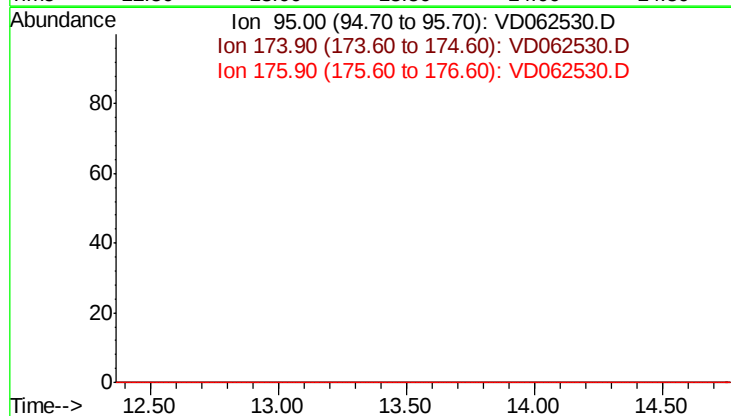
Tot Ion	98
Sig	Exp Ratio
98	100
100	67.3

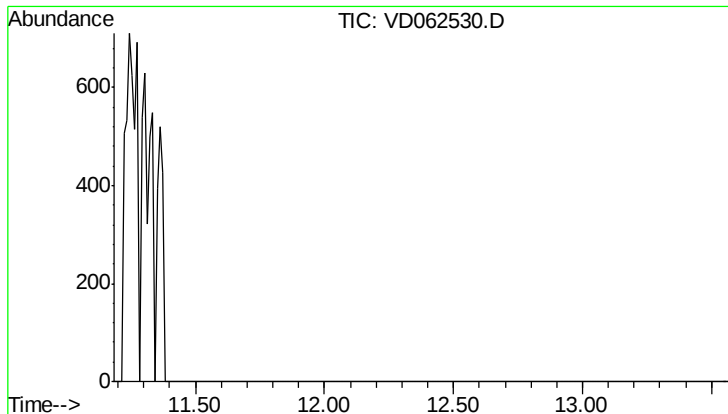


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 13.57 min

Lab File: VD062530.D
Acq: 24 May 2019 14:27

Tgt Ion	95
Sig	Exp Ratio
95	100
174	90.9
176	87.2

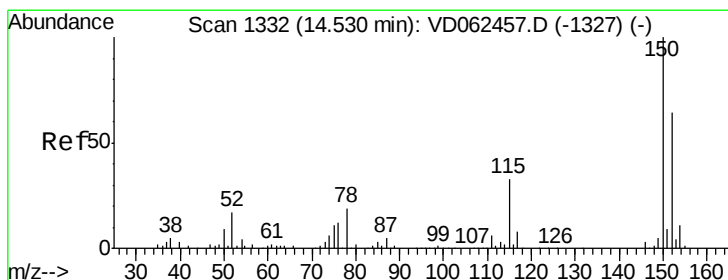
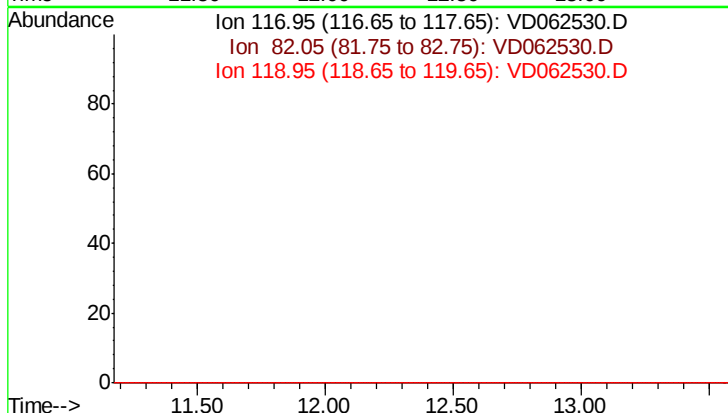




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 12.38 min
 Lab File: VD062530.D
 Acq: 24 May 2019 14:27

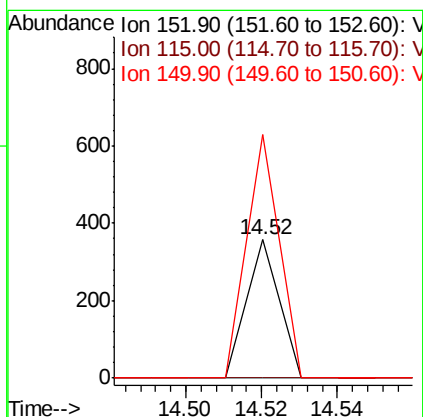
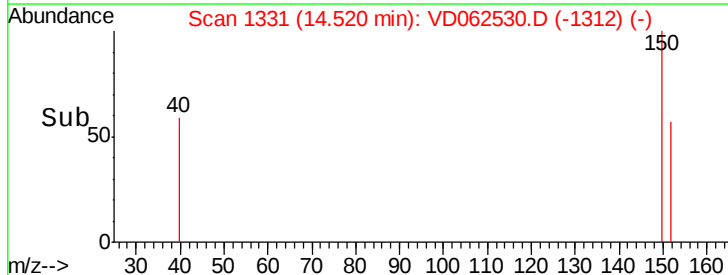
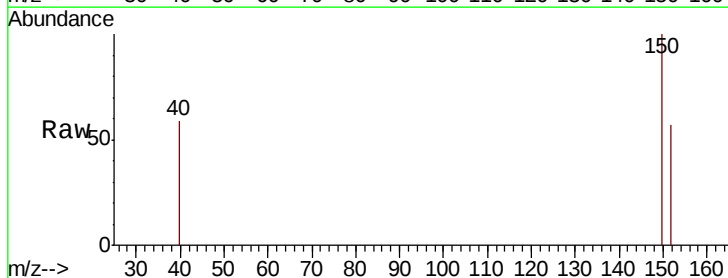
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3422

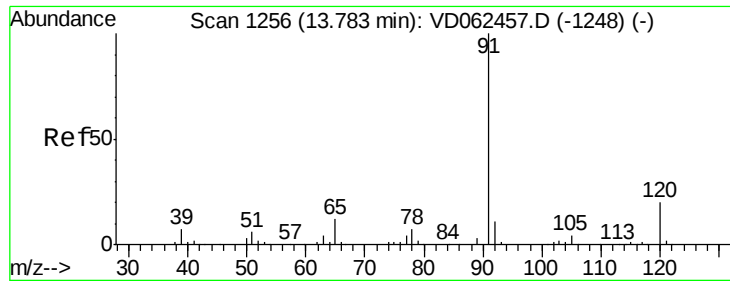
Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 45.2
 119 32.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062530.D
 Acq: 24 May 2019 14:27

Tgt Ion: 152 Resp: 211
 Ion Ratio Lower Upper
 152 100
 115 0.0 30.9 92.7#
 150 175.7 0.0 314.8





#78

n-propylbenzene

Concen: 12.138 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_D

ClientSampleId :

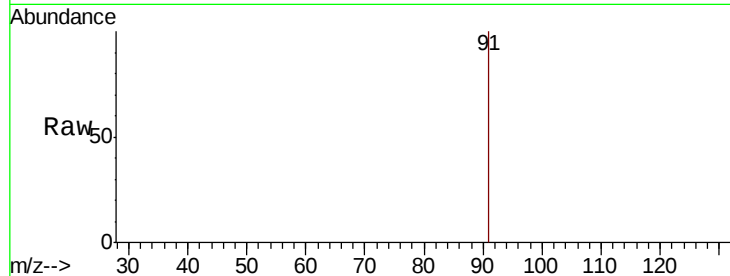
RT-3422

Tot Ion: 91 Resp: 187

Ion Ratio Lower Upper

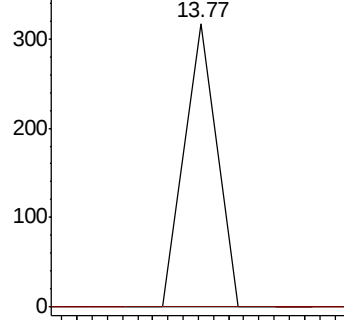
91 100

120 0.0 11.1 33.1#

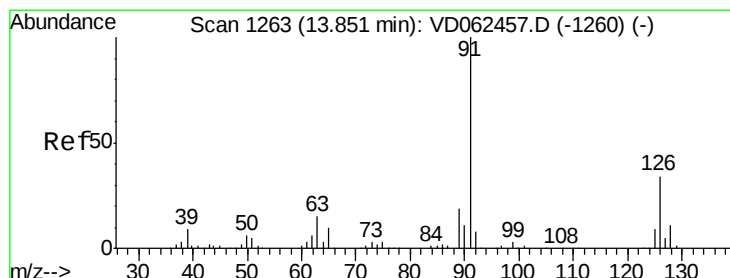
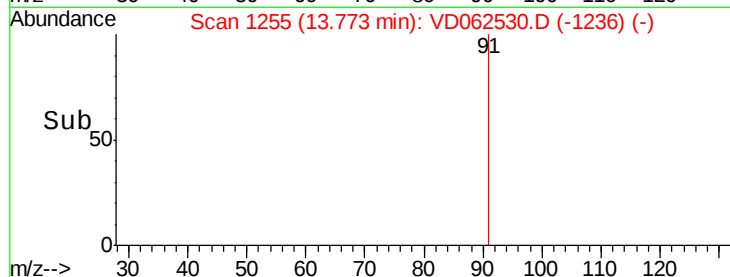


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



Time-->



#79

2-Chlorotoluene

Concen: 20.002 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.08 min

Lab File: VD062530.D

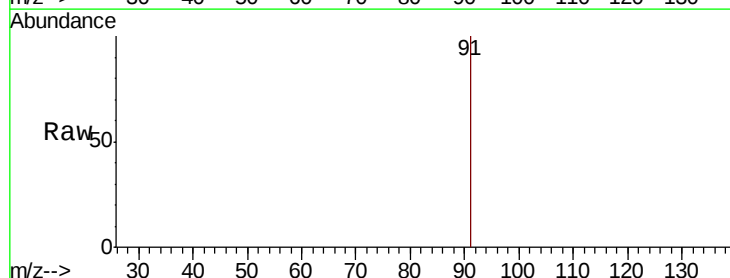
Acq: 24 May 2019 14:27

Tgt Ion: 91 Resp: 187

Ion Ratio Lower Upper

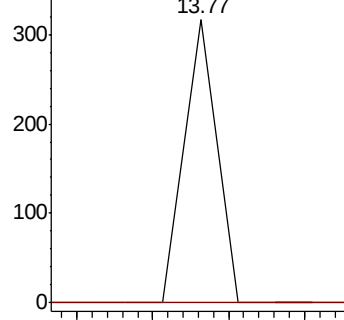
91 100

126 0.0 18.6 55.8#

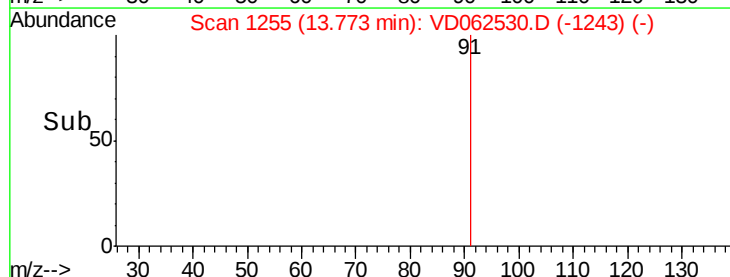


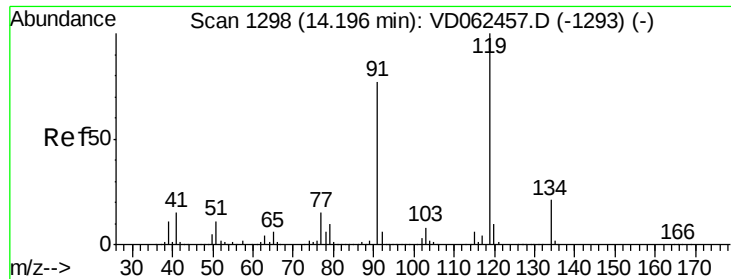
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



Time-->





#83

tert-Butylbenzene

Concen: 14.639 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_D

ClientSampleId :

RT-3422

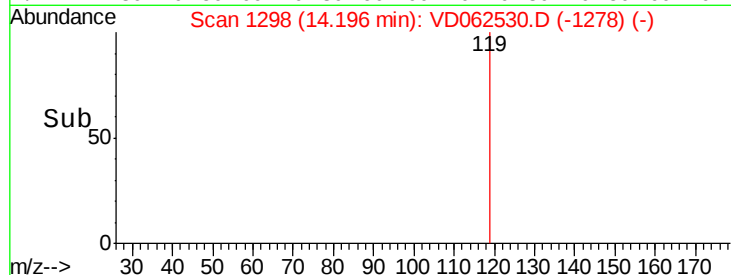
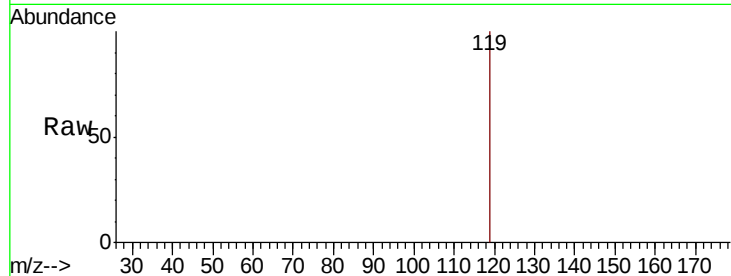
Tot Ion:119 Resp: 187

Ion Ratio Lower Upper

119 100

91 0.0 34.2 102.6#

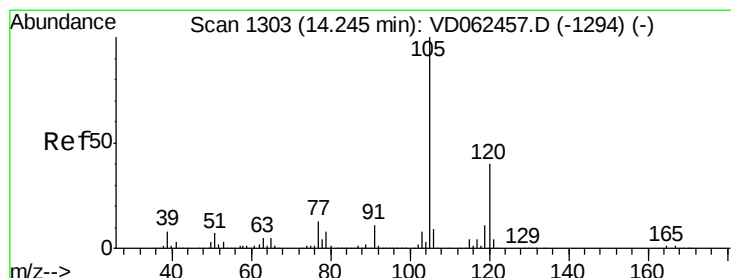
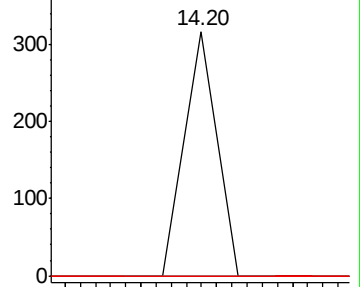
134 0.0 12.0 36.0#



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.474 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD062530.D

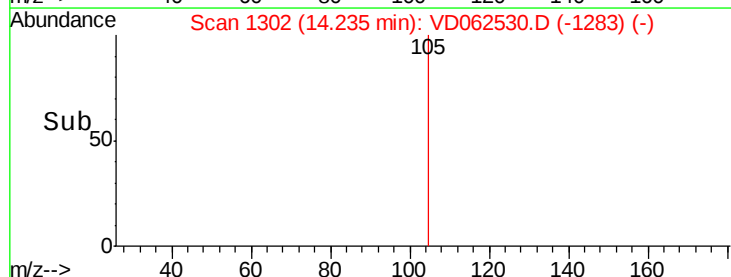
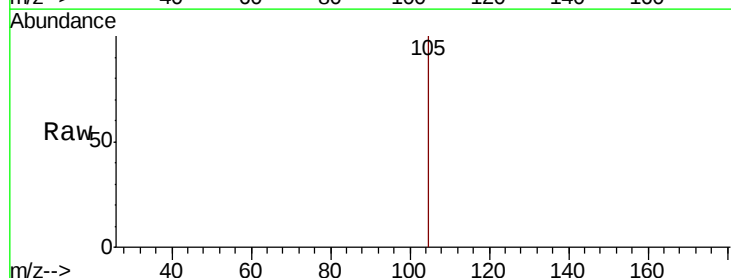
Acq: 24 May 2019 14:27

Tgt Ion:105 Resp: 277

Ion Ratio Lower Upper

105 100

120 0.0 23.1 69.2#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Ion 120.05 (119.75 to 120.75): V

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Ion 120.05 (119.75 to 120.75): V

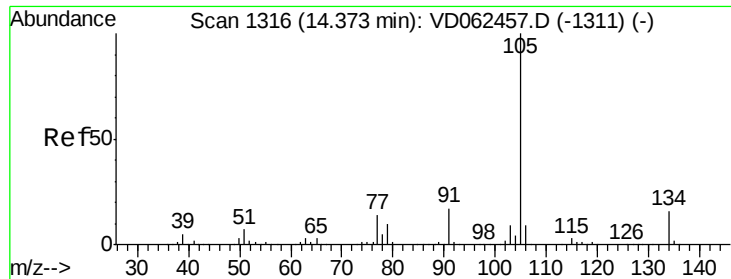
Ion 120.05 (119.75 to 120.75): V

Ion 120.05 (119.75 to 120.75): V

Ion 120.05 (119.75 to 120.75): V

Ion 120.05 (119.75 to 120.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 17.869 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

Instrument :

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ClientSampleId :

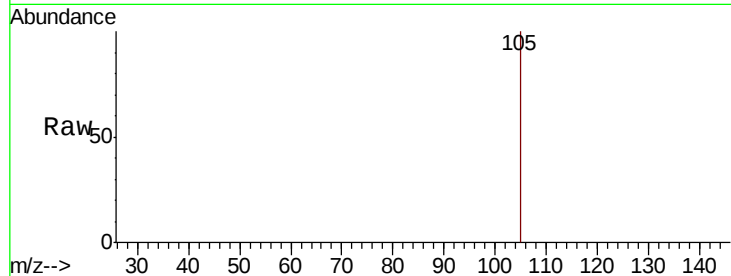
RT-3422

Tot Ion:105 Resp: 238

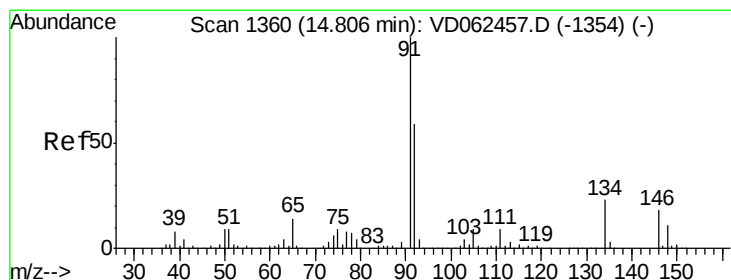
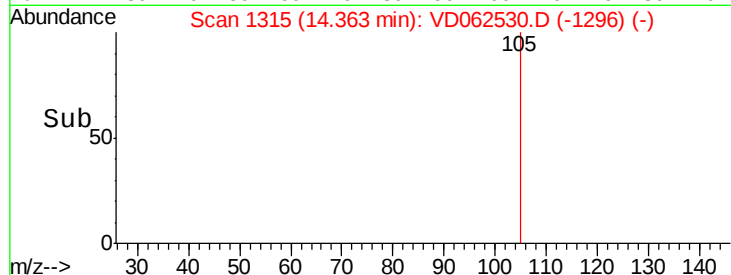
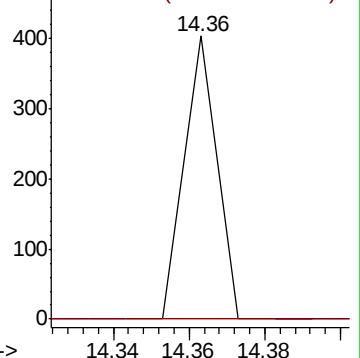
Ion Ratio Lower Upper

105 100

134 0.0 8.9 26.7#



Abundance Ion 105.05 (104.75 to 105.75): V



#89

n-Butylbenzene

Concen: 27.213 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

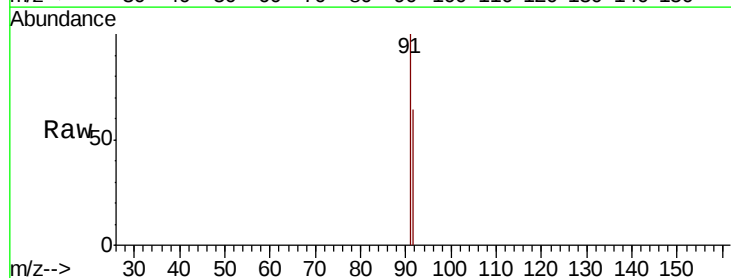
Tgt Ion: 91 Resp: 317

Ion Ratio Lower Upper

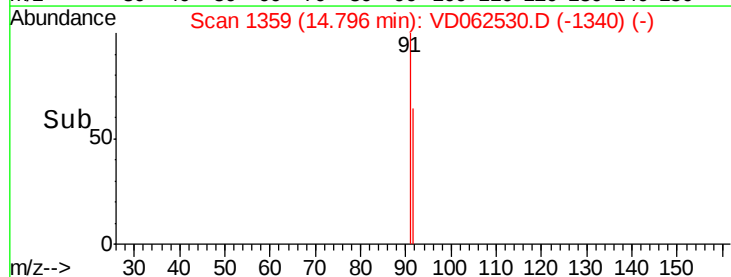
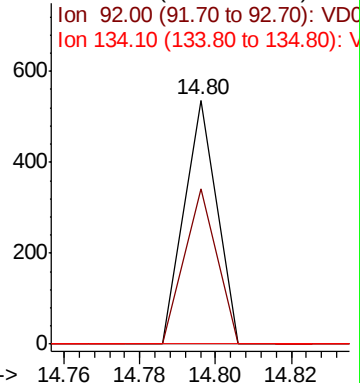
91 100

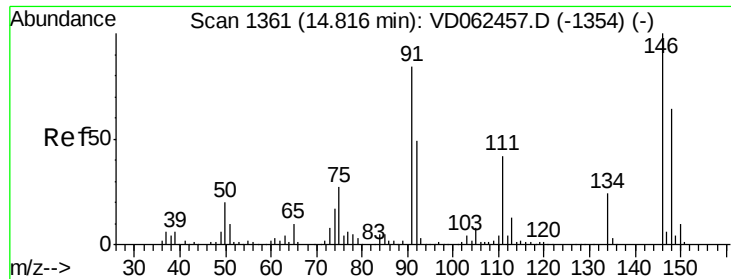
92 38.9 30.3 91.0

134 0.0 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC





#91

1,2-Dichlorobenzene

Concen: 33.006 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VD062530.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_D

ClientSampleId :

RT-3422

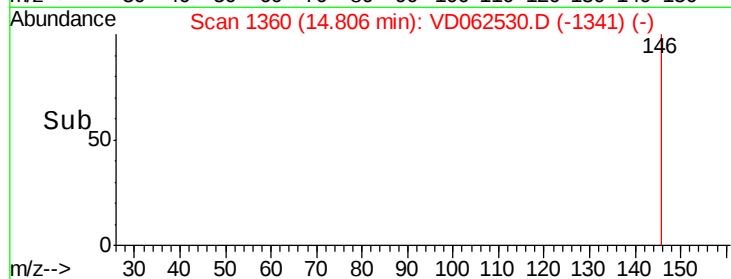
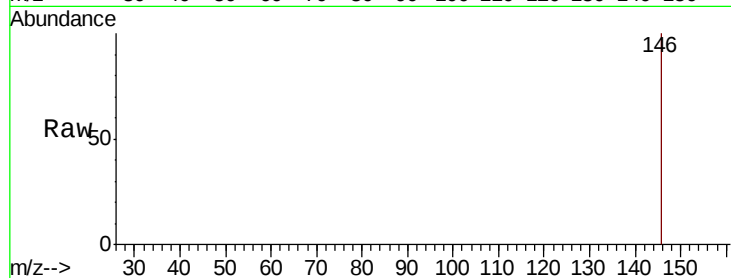
Tot Ion:146 Resp: 187

Ion Ratio Lower Upper

146 100

111 0.0 20.0 59.9#

148 0.0 32.3 96.8#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.81

