Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051219\
Data File : VD062271.D
Acq On : 12 May 2019 20:50
Operator : FY/SY
Sample : K2733-18
Misc : 6.27g/5mL/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM

Quant Time: May 13 03:13:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	407800	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	558040	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	459007	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	222992	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	199243	52.57	ug/l	0.04
Spiked Amount 50.000			Recovery = 105.14%			
35) Dibromofluoromethane	6.93	113	217092	46.89	ug/l	0.04
Spiked Amount 50.000			Recovery = 93.78%			
50) Toluene-d8	10.42	98	453454	40.62	ug/l	0.02
Spiked Amount 50.000			Recovery = 81.24%			
62) 4-Bromofluorobenzene	13.56	95	184388m	41.13	ug/l	0.01
Spiked Amount 50.000			Recovery = 82.26%			
Target Compounds						Qvalue
73) Isopropylbenzene	13.40	105	52213	3.906	ug/l #	61
86) p-Isopropyltoluene	14.49	119	13220	1.067	ug/l	89

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

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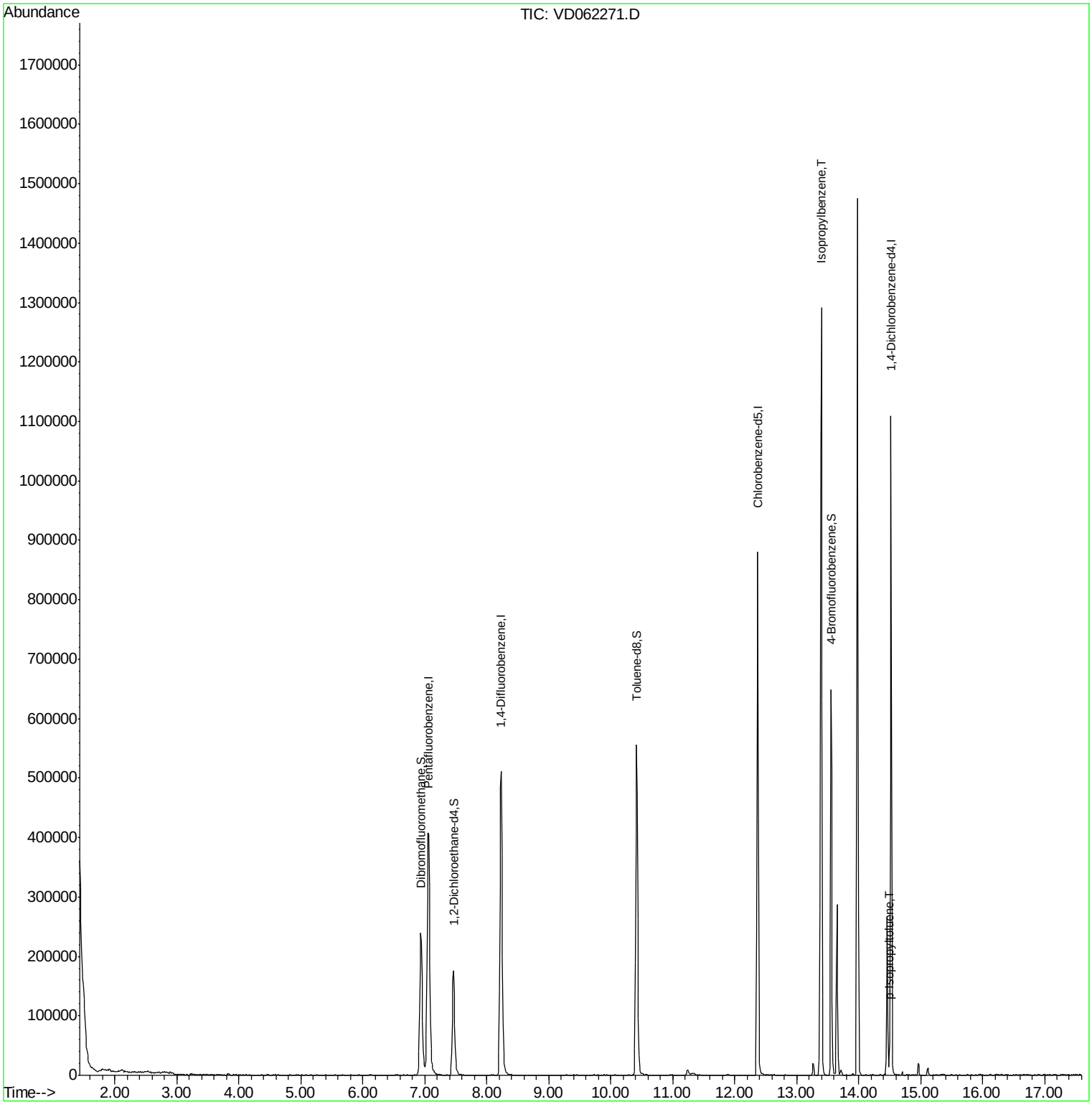
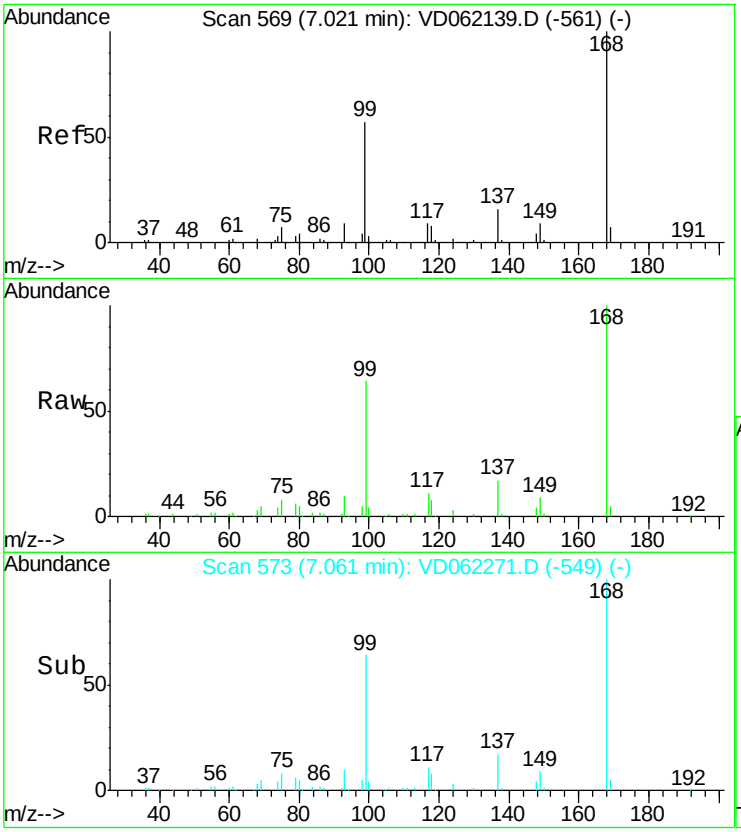
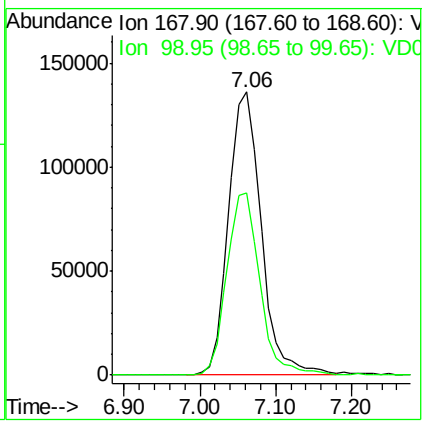




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

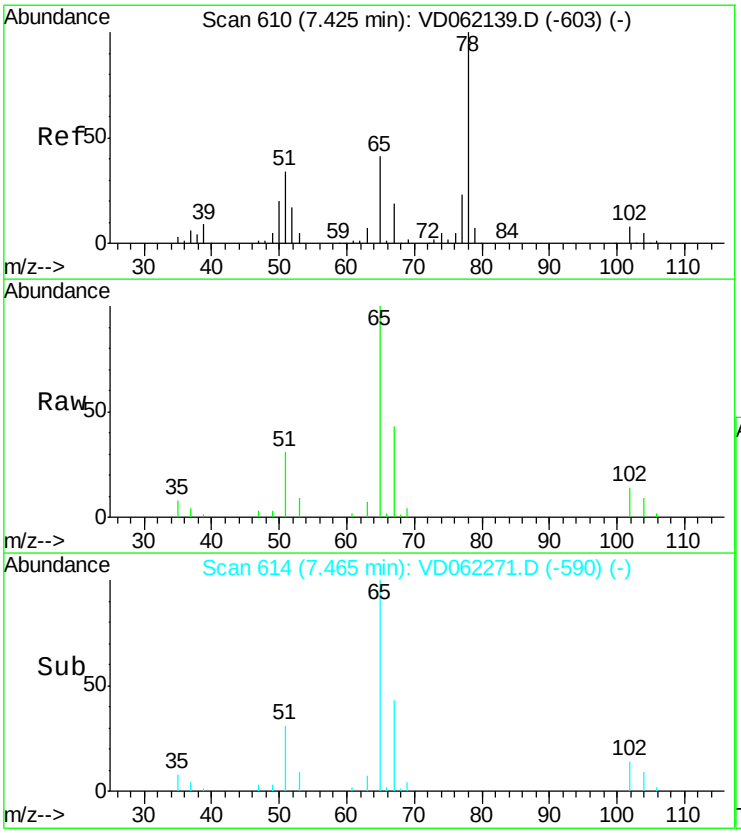
Tgt Ion:168 Resp: 407800

Ion	Ratio	Lower	Upper
168	100		
99	64.4	46.5	69.7



Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

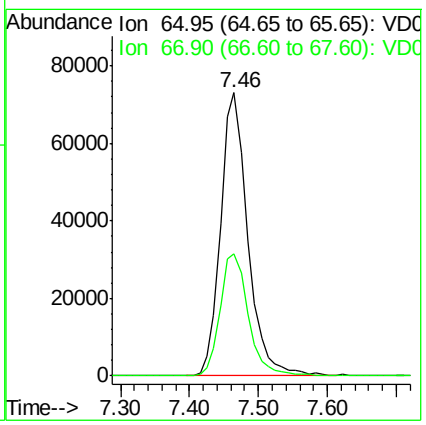
Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM

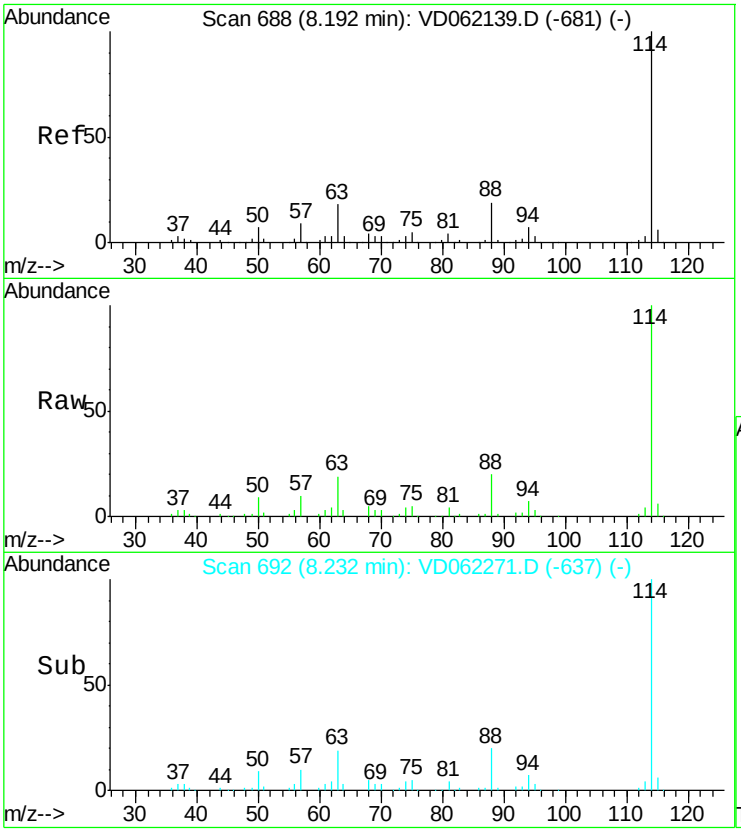


#33
1,2-Dichloroethane-d4
Concen: 52.574 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

Tgt Ion: 65 Resp: 199243

Ion	Ratio	Lower	Upper
65	100		
67	43.2	0.0	98.0

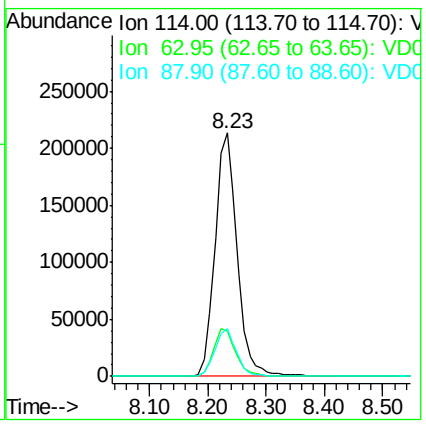




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 692
Delta R.T. 0.04 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

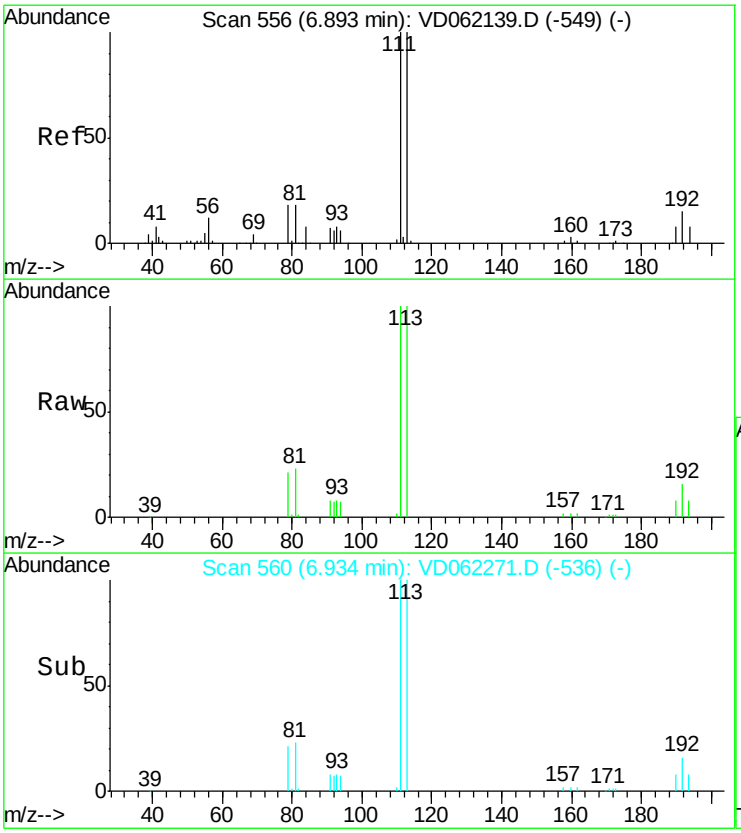
Tgt Ion:114 Resp: 558040

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	32.4
88	19.6	0.0	33.6



Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

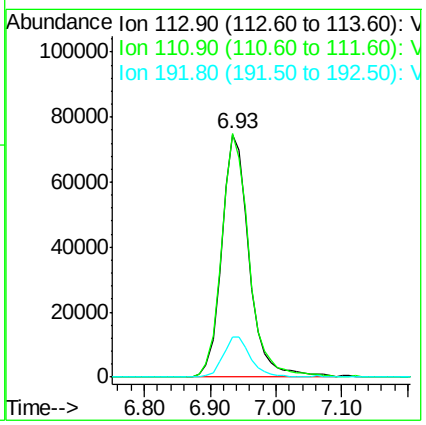
Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM

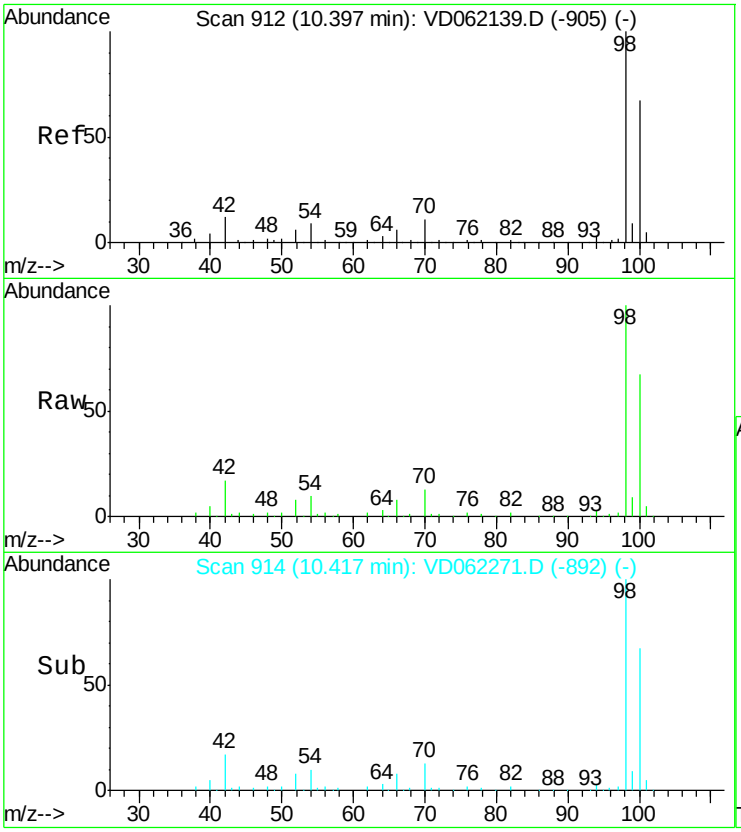


#35
Dibromofluoromethane
Concen: 46.887 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.04 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

Tgt Ion:113 Resp: 217092

Ion	Ratio	Lower	Upper
113	100		
111	100.4	78.5	117.7
192	16.4	13.0	19.4

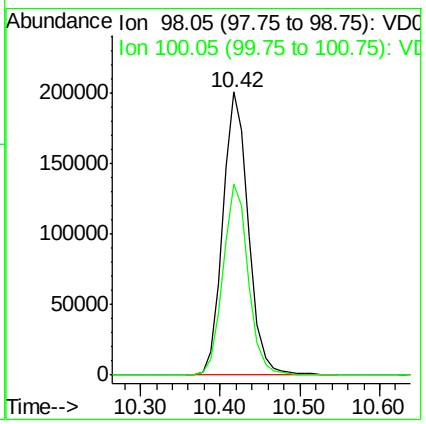




#50
Toluene-d8
Concen: 40.619 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

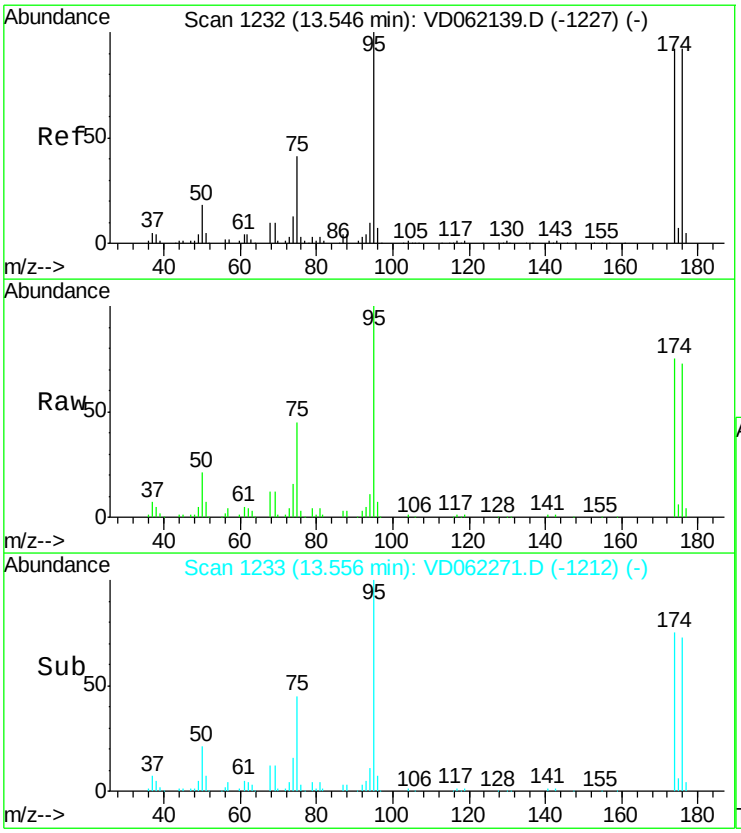
Tgt Ion: 98 Resp: 453454

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.8	80.8



Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

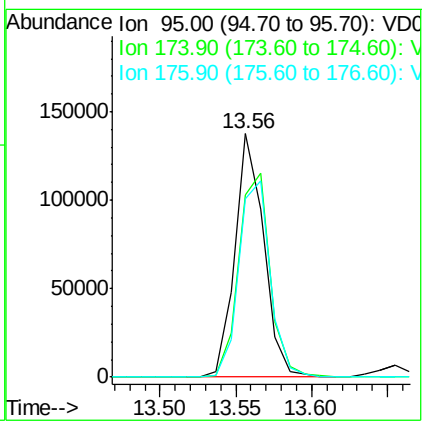
Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM

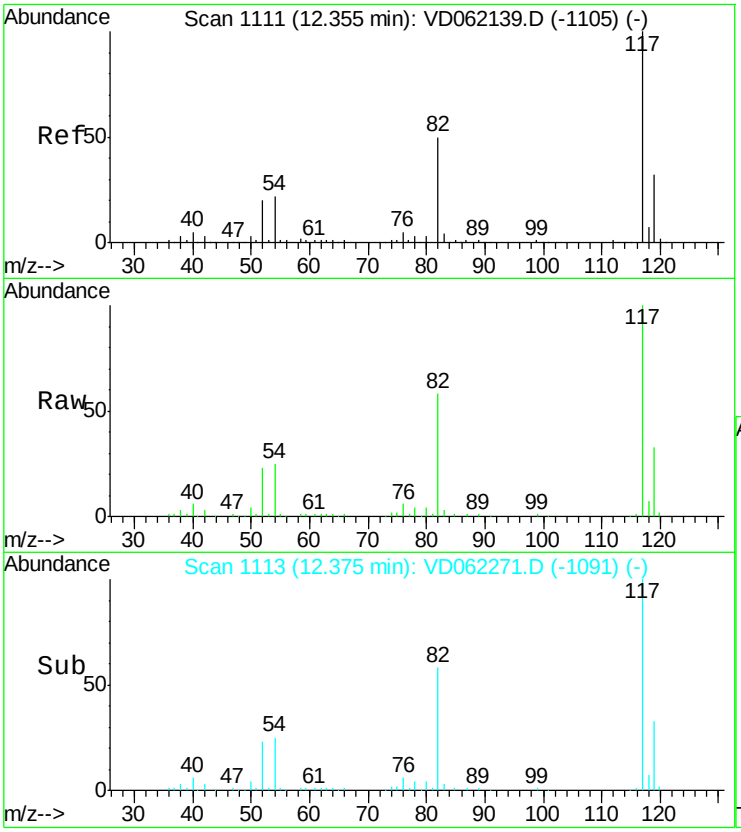


#62
4-Bromofluorobenzene
Concen: 41.132 ug/l m
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

Tgt Ion: 95 Resp: 184388

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	181.8
176	73.3	0.0	174.4

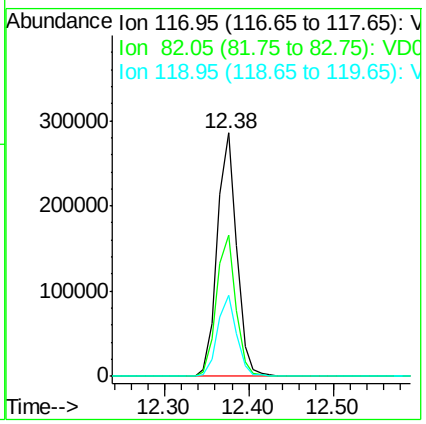




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

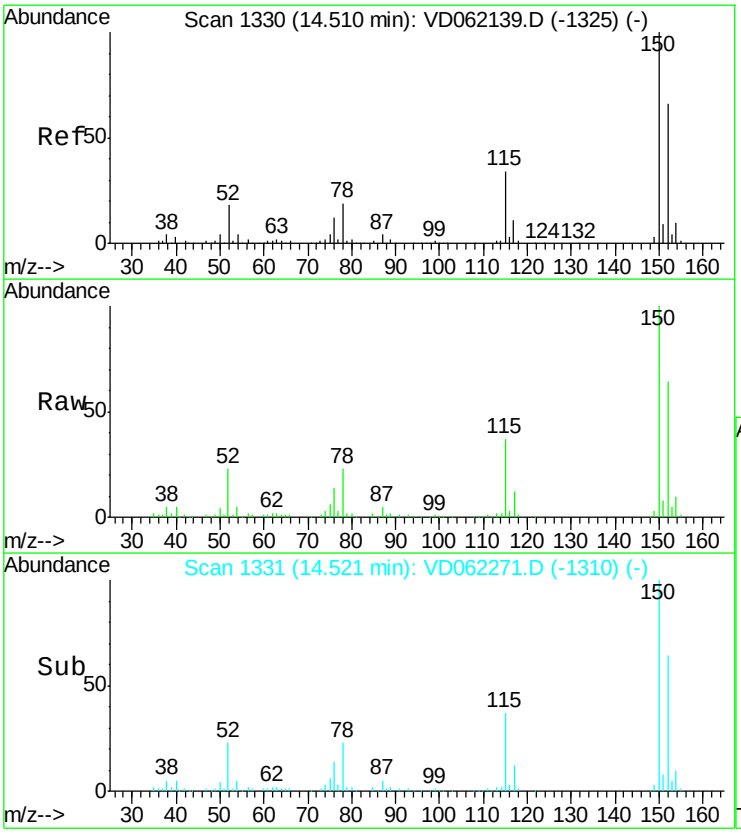
Tgt Ion:117 Resp: 459007

Ion	Ratio	Lower	Upper
117	100		
82	58.2	36.2	54.2#
119	33.0	26.2	39.4



Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

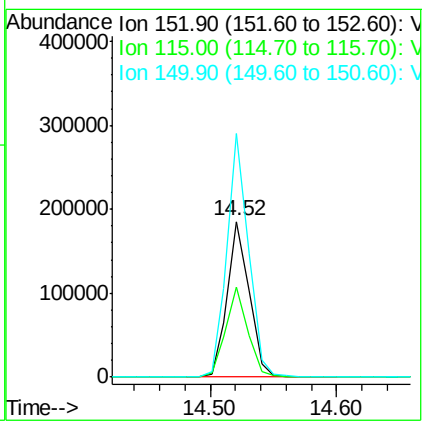
Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM

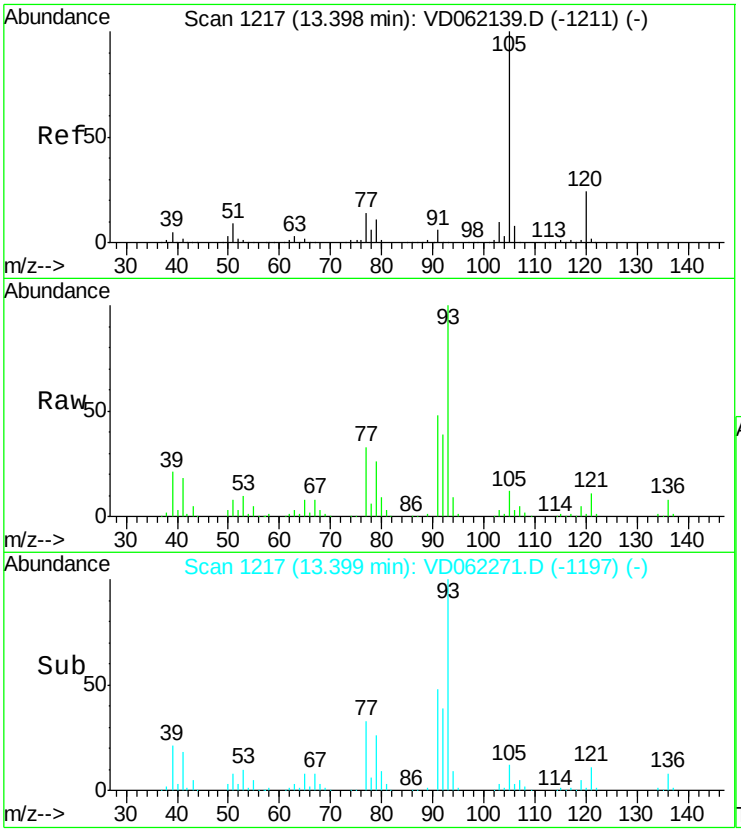


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

Tgt Ion:152 Resp: 222992

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.9	92.7
150	156.7	0.0	314.8





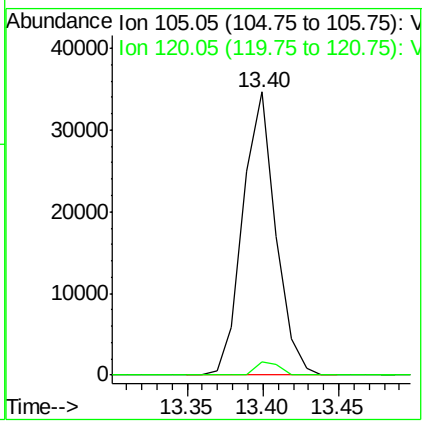
#73
Isopropylbenzene
Concen: 3.906 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

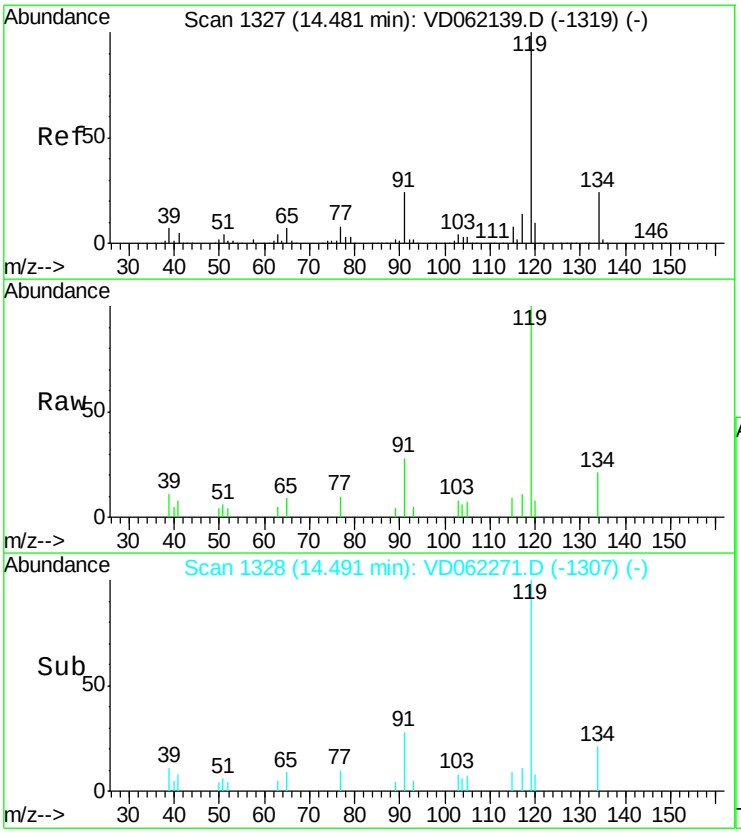
Tgt Ion:105 Resp: 52213

Ion	Ratio	Lower	Upper
105	100		
120	4.6	12.0	36.1#

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-1824-01

Manual Integrations APPROVED
MMDadoda
5/13/2019 11:55:42 AM





#86
p-Isopropyltoluene
Concen: 1.067 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD062271.D
Acq: 12 May 2019 20:50

Tgt Ion:119 Resp: 13220

Ion	Ratio	Lower	Upper
119	100		
134	21.4	12.8	38.3
91	28.4	10.7	32.1