Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
Data File : VD061897.D
Acq On : 19 Apr 2019 5:29
Operator : VA/AP
Sample : K2197-07
Misc : 5.72g/5ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

Quant Time: Apr 19 07:07:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.06	168	332875	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.23	114	527818	50.00	ug/l		0.00
63) Chlorobenzene-d5	12.37	117	316525	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	79607	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	7.47	65	213554	76.55	ug/l		0.02
Spiked Amount 50.000			Recovery =	153.10%			
35) Dibromofluoromethane	6.94	113	279851	70.18	ug/l		0.02
Spiked Amount 50.000			Recovery =	140.36%			
50) Toluene-d8	10.42	98	427977	45.30	ug/l		0.02
Spiked Amount 50.000			Recovery =	90.60%			
62) 4-Bromofluorobenzene	13.56	95	127273	33.23	ug/l		0.00
Spiked Amount 50.000			Recovery =	66.46%			
Target Compounds							Qvalue
16) Acetone	3.23	43	12462	18.124	ug/l		99
20) Methylene Chloride	3.83	84	35884	6.509	ug/l		97
67) Ethyl Benzene	12.53	91	23019	2.438	ug/l		95
68) m/p-Xylenes	12.67	106	25748	7.261	ug/l		93
69) o-Xylene	13.05	106	41670	12.502	ug/l		88
73) Isopropylbenzene	13.41	105	14500	2.809	ug/l		99
78) n-propylbenzene	13.78	91	56123	9.409	ug/l		97
80) 1,3,5-Trimethylbenzene	13.94	105	107416	26.222	ug/l		99
84) 1,2,4-Trimethylbenzene	14.24	105	335849	81.561	ug/l		96
85) sec-Butylbenzene	14.37	105	28023	5.636	ug/l		97
86) p-Isopropyltoluene	14.50	119	23839	5.124	ug/l		97
89) n-Butylbenzene	14.80	91	28869m	7.010	ug/l		
95) Naphthalene	16.12	128	18370	10.175	ug/l	#	89

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

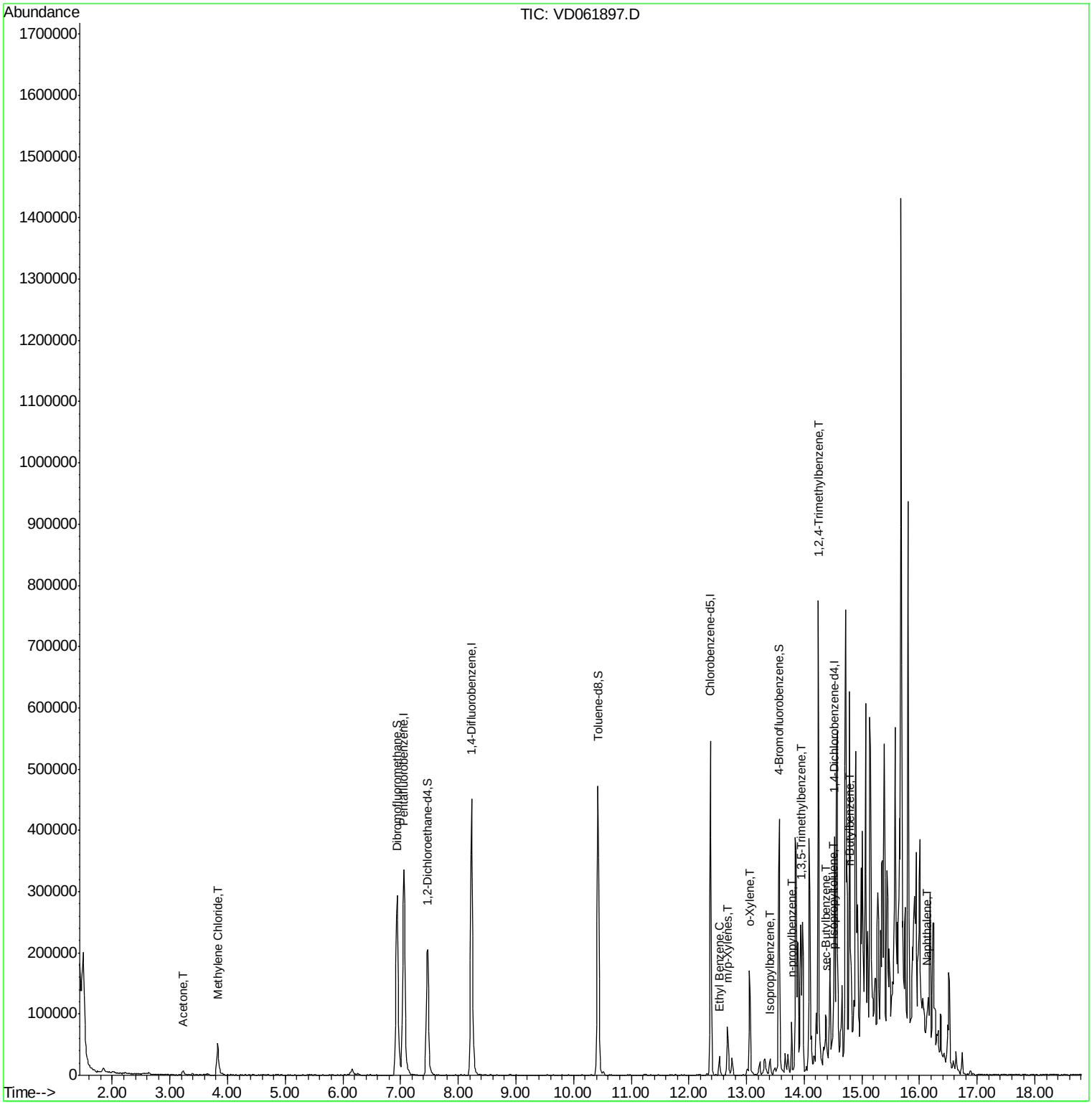
Quantitation Report (QT/LSC Reviewed)

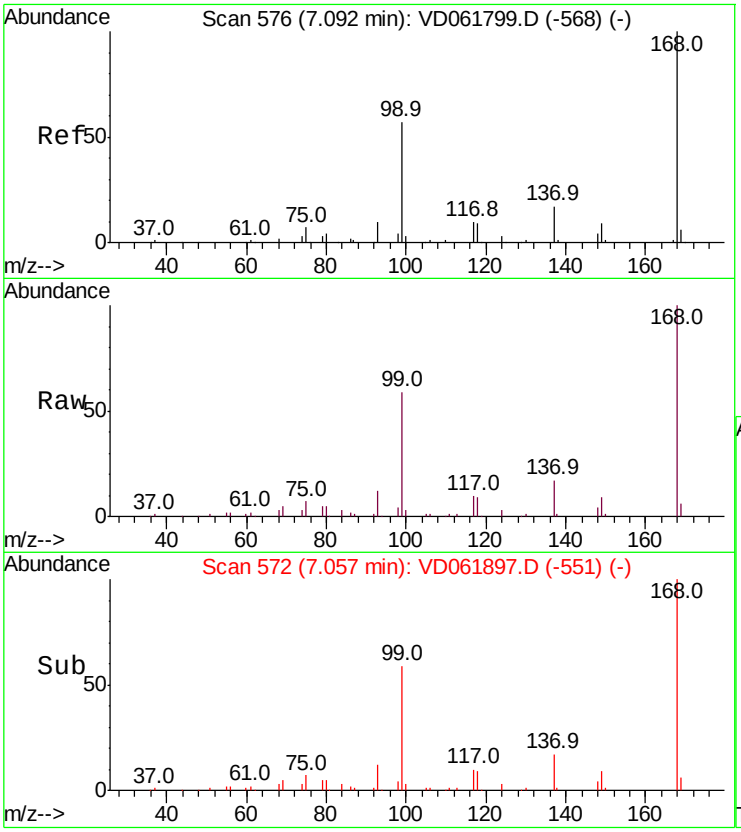
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
Data File : VD061897.D
Acq On : 19 Apr 2019 5:29
Operator : VA/AP
Sample : K2197-07
Misc : 5.72g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Apr 19 07:07:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM





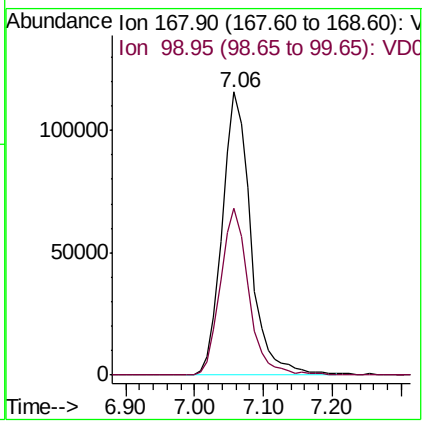
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

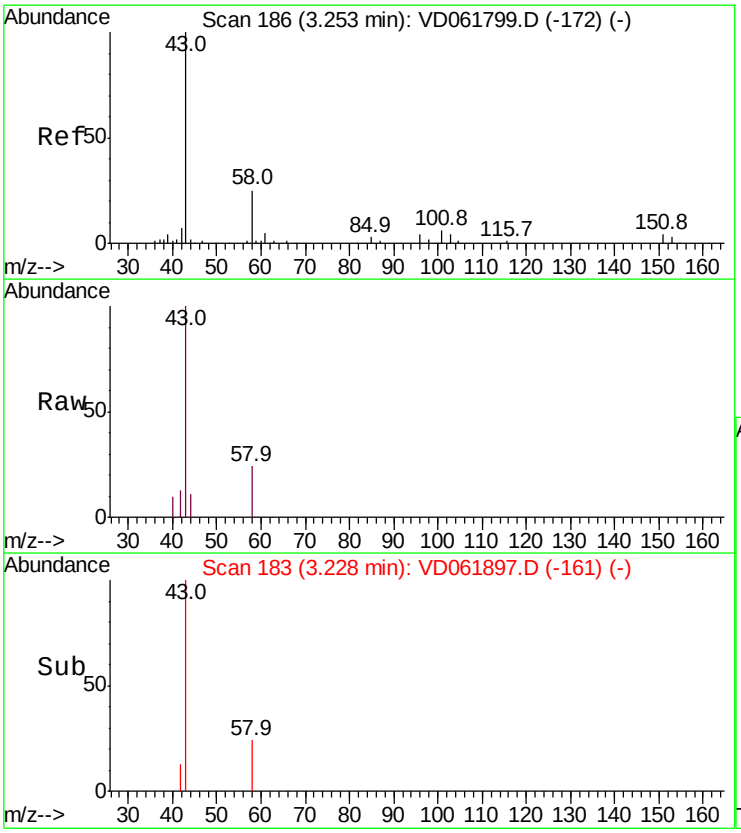
Tgt Ion:168 Resp: 332875

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.5	69.7

Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

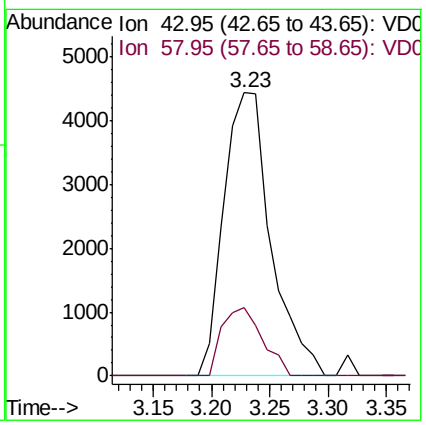


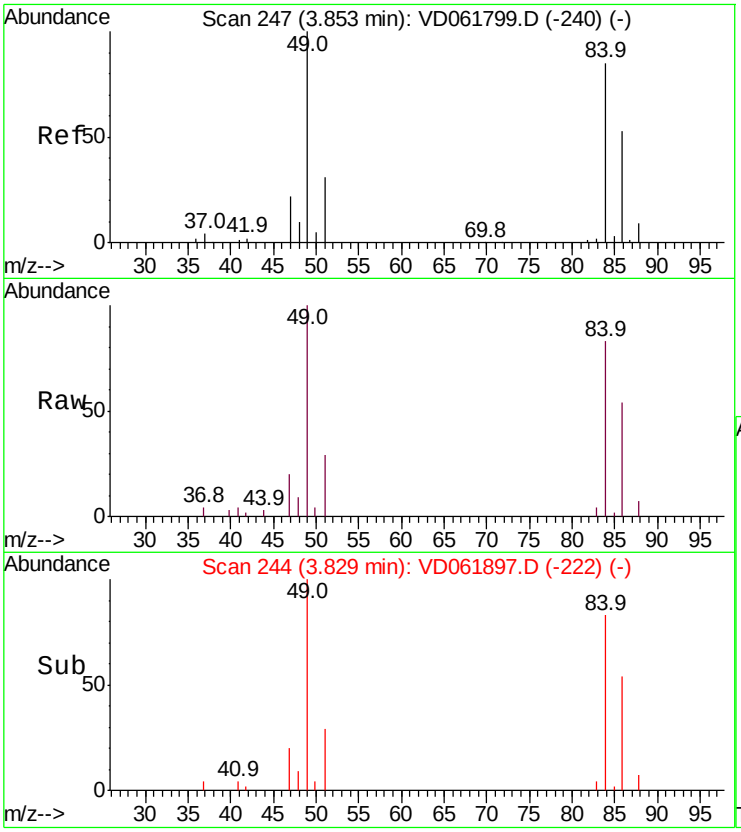


#16
Acetone
Concen: 18.124 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion: 43 Resp: 12462

Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.9	29.9

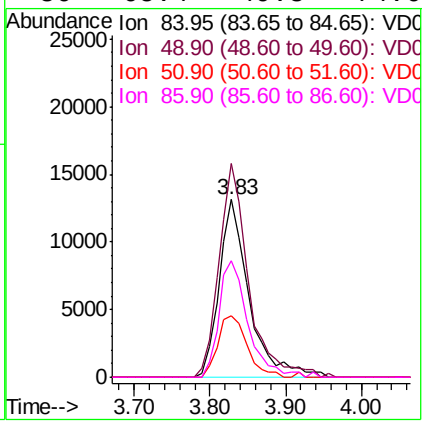




#20
Methylene Chloride
Concen: 6.509 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

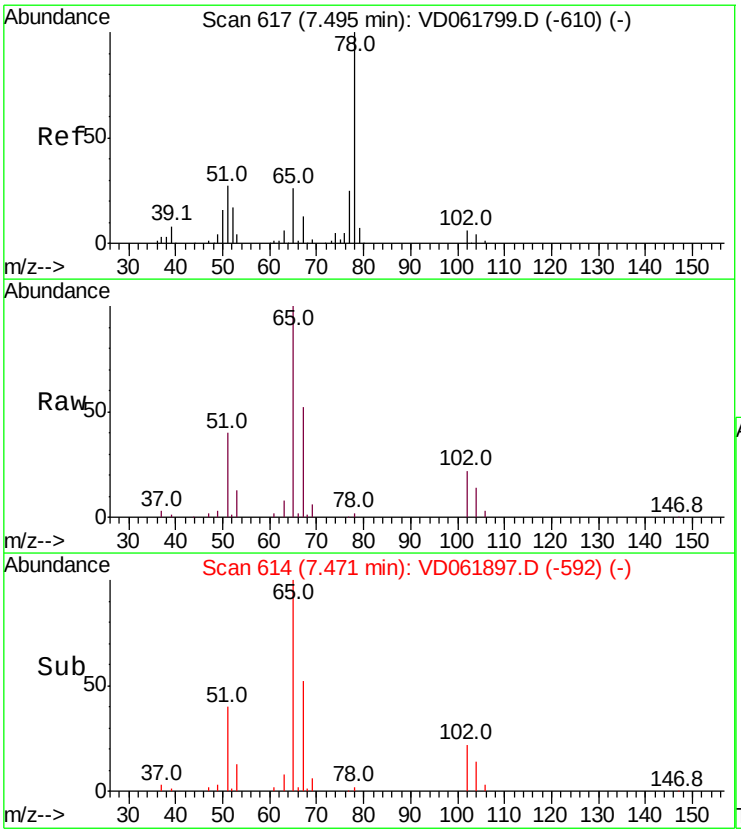
Tgt Ion: 84 Resp: 35884

Ion	Ratio	Lower	Upper
84	100		
49	120.3	94.0	141.0
51	34.8	29.0	43.4
86	65.4	49.8	74.6



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

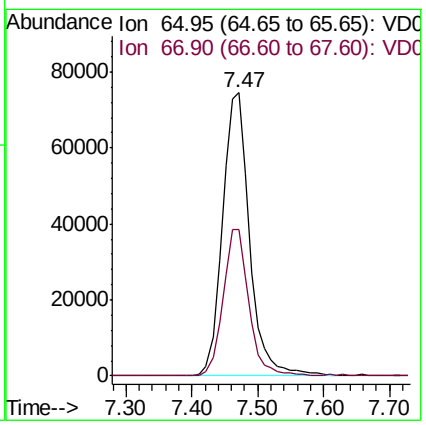
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

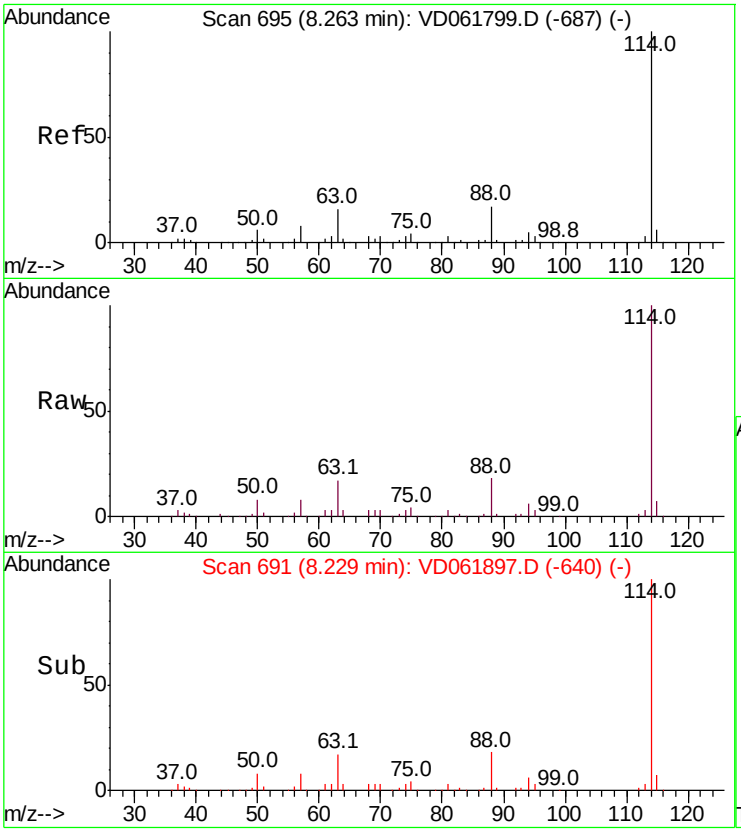


#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion: 65 Resp: 213554

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	98.0

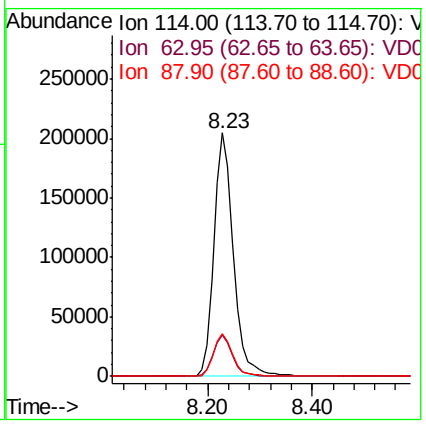




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

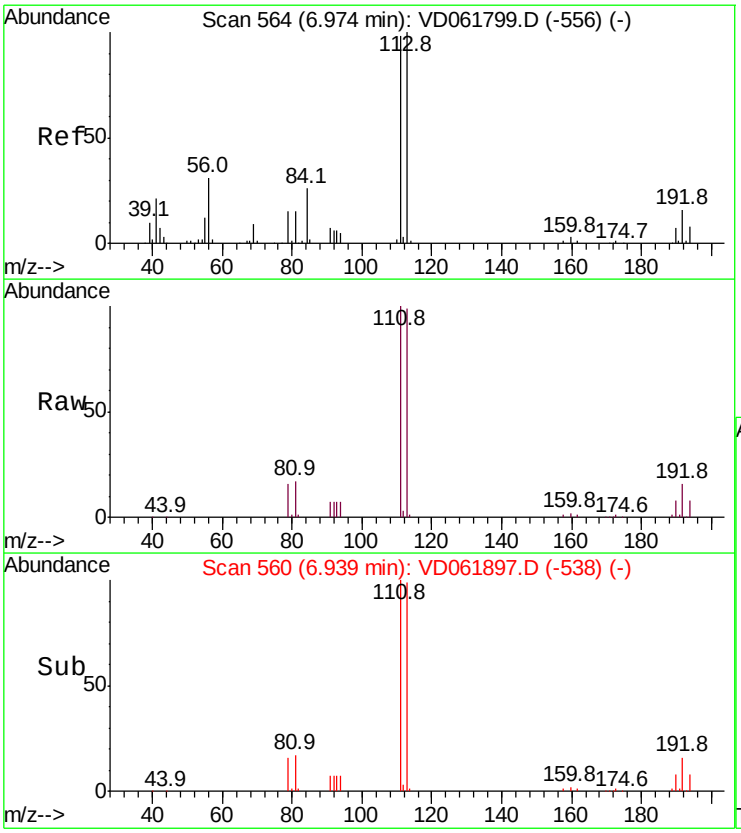
Tgt Ion:114 Resp: 527818

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	32.4
88	17.5	0.0	33.6



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

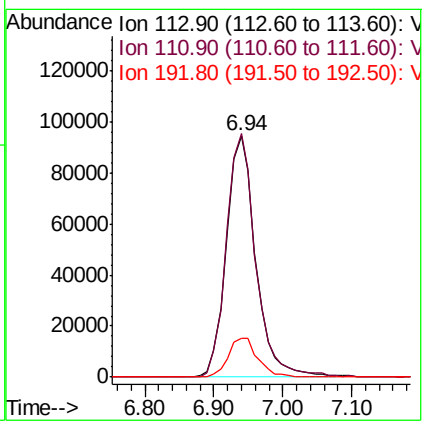
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

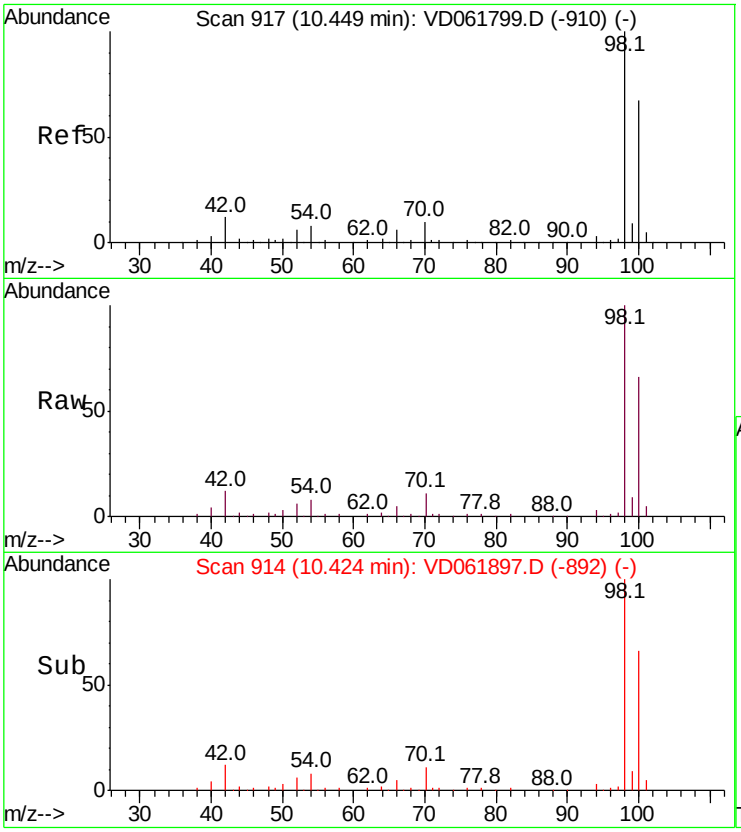


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:113 Resp: 279851

Ion	Ratio	Lower	Upper
113	100		
111	100.9	78.5	117.7
192	16.0	13.0	19.4

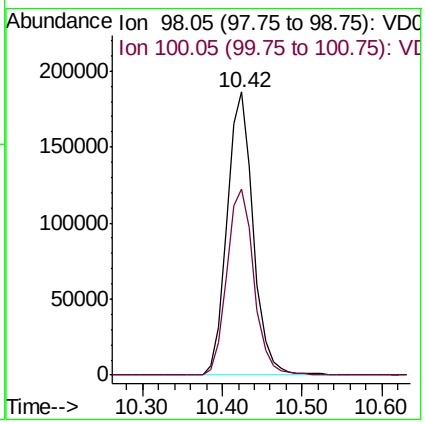




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

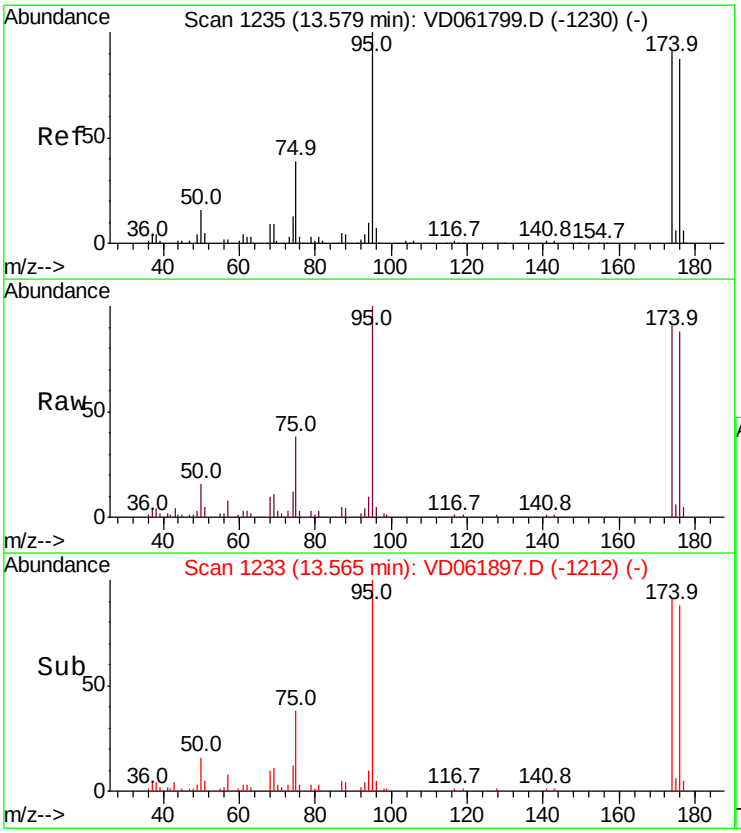
Tgt Ion: 98 Resp: 427977

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.8	80.8



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

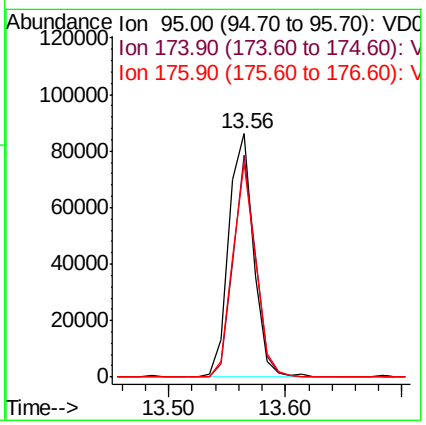
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

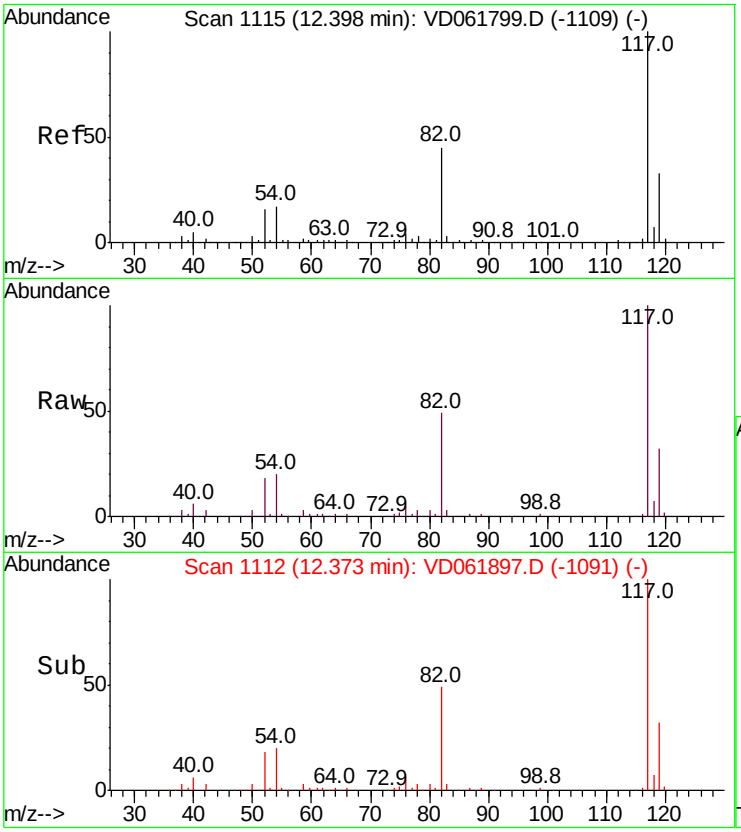


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion: 95 Resp: 127273

Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	181.8
176	88.2	0.0	174.4

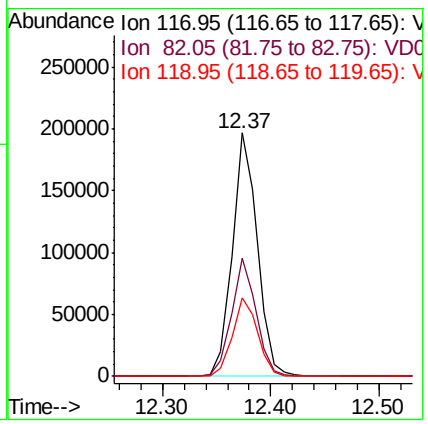




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

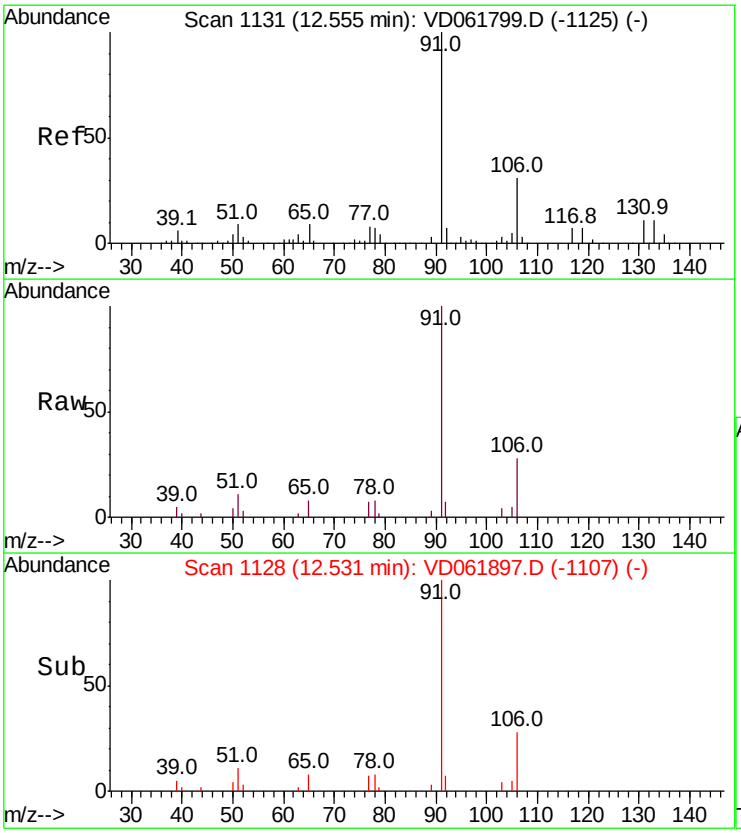
Tgt Ion:117 Resp: 316525

Ion	Ratio	Lower	Upper
117	100		
82	48.8	36.2	54.2
119	32.5	26.2	39.4



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

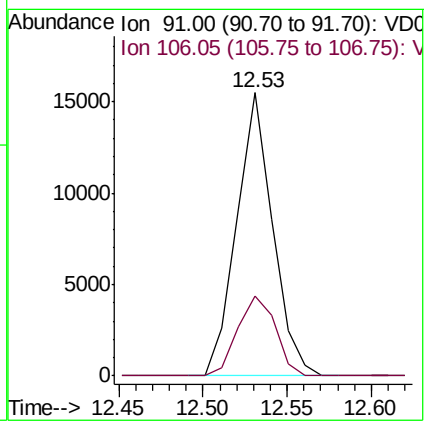
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

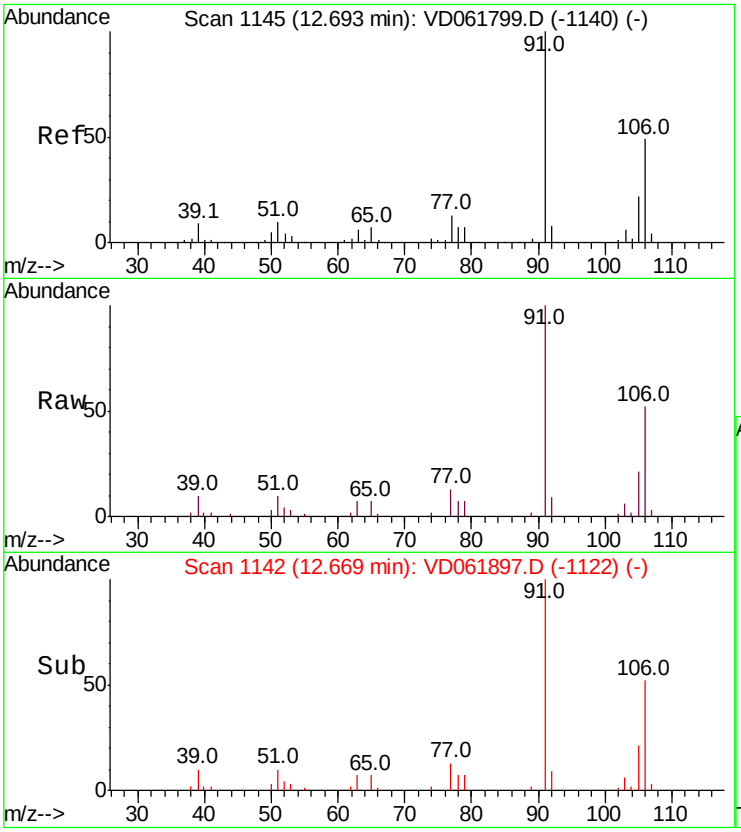


#67
Ethyl Benzene
Concen: 2.438 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion: 91 Resp: 23019

Ion	Ratio	Lower	Upper
91	100		
106	28.3	24.7	37.1





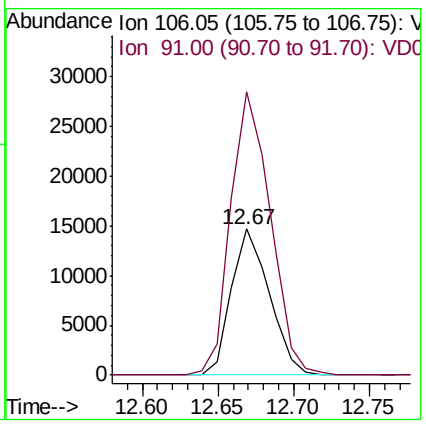
#68
m/p-Xylenes
Concen: 7.261 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

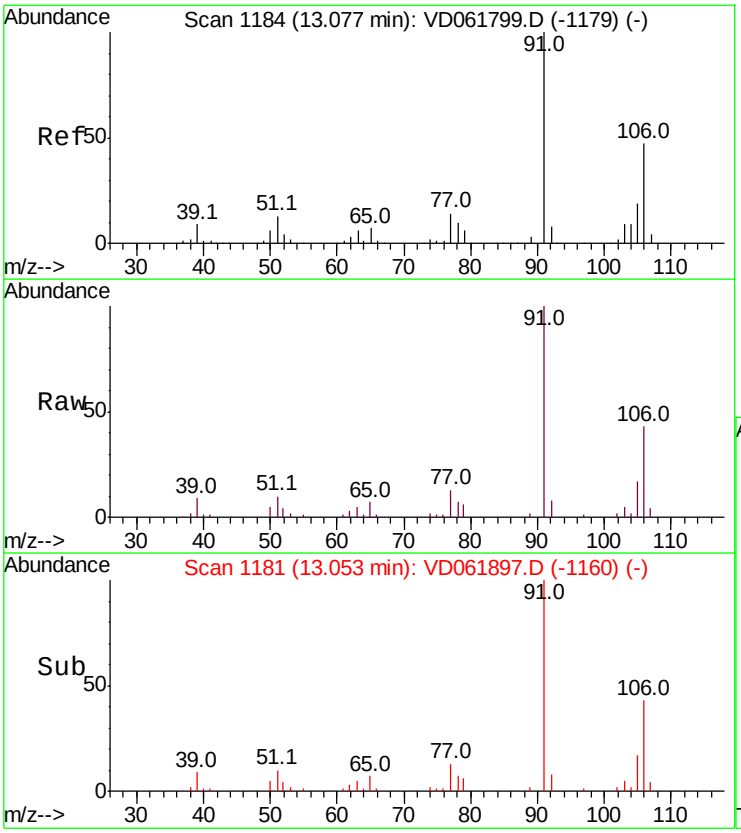
Tgt Ion:106 Resp: 25748

Ion	Ratio	Lower	Upper
106	100		
91	194.0	164.0	246.0

Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

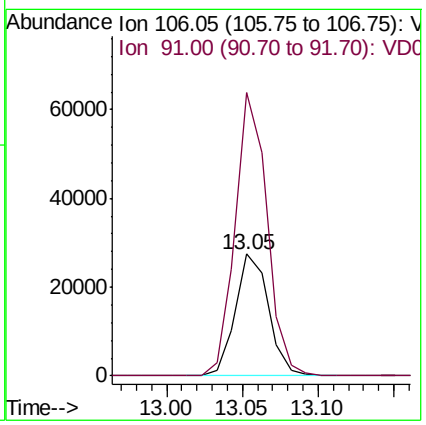


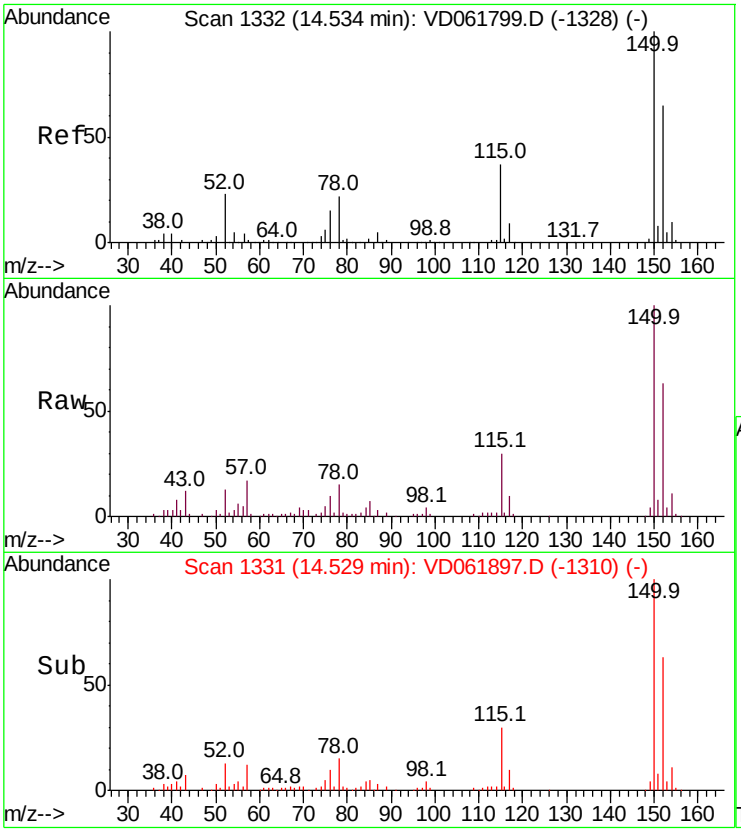


#69
o-Xylene
Concen: 12.502 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:106 Resp: 41670

Ion	Ratio	Lower	Upper
106	100		
91	232.3	106.7	319.9

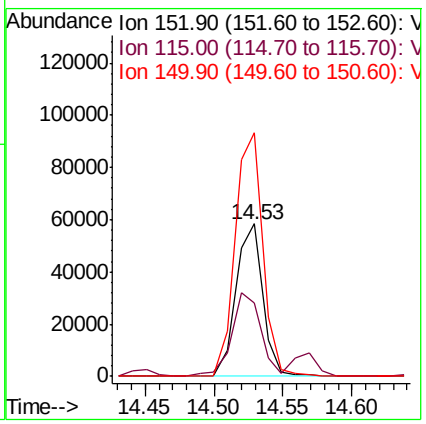




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

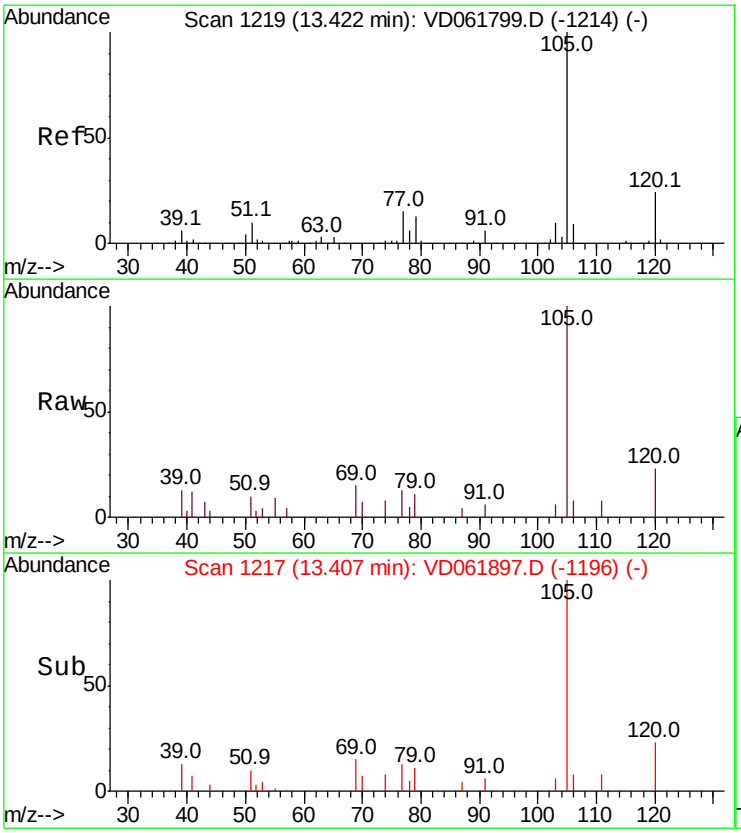
Tgt Ion:152 Resp: 79607

Ion	Ratio	Lower	Upper
152	100		
115	47.9	30.9	92.7
150	159.8	0.0	314.8



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

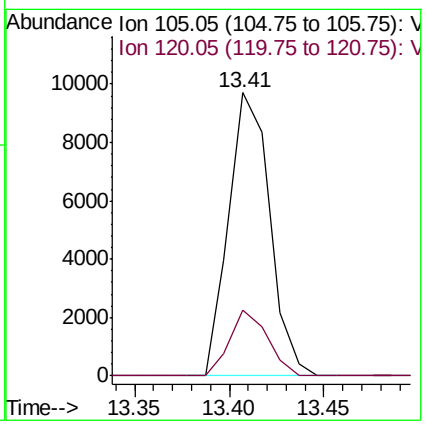
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

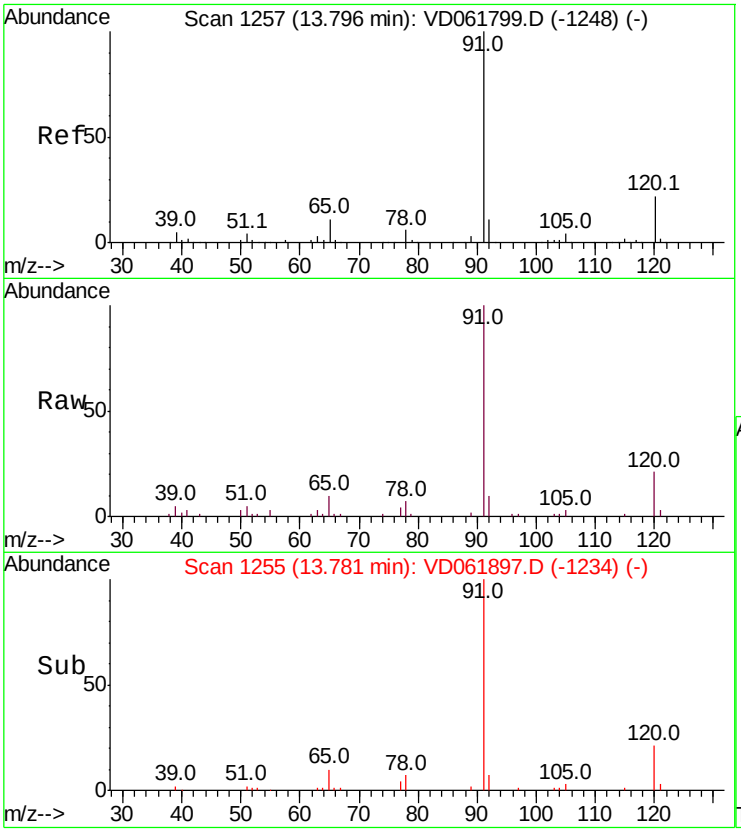


#73
Isopropylbenzene
Concen: 2.809 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:105 Resp: 14500

Ion	Ratio	Lower	Upper
105	100		
120	23.5	12.0	36.1

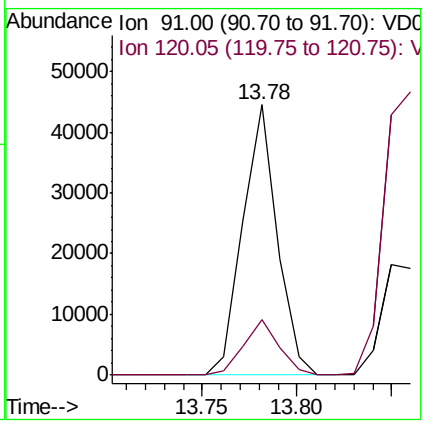




#78
n-propylbenzene
Concen: 9.409 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

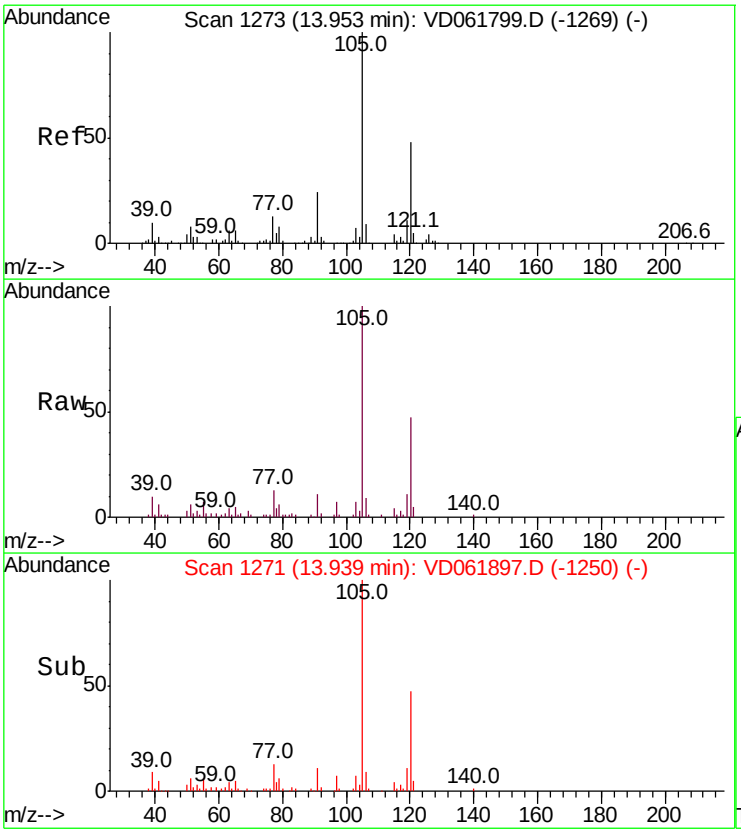
Tgt Ion: 91 Resp: 56123

Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.1	33.1



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

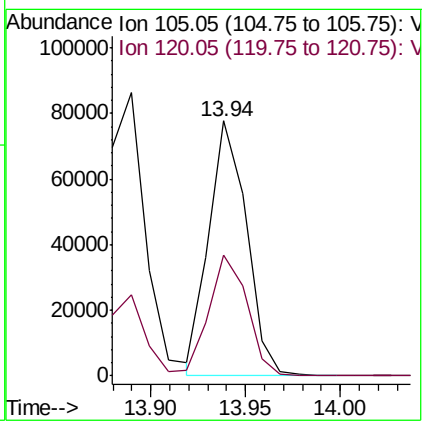
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

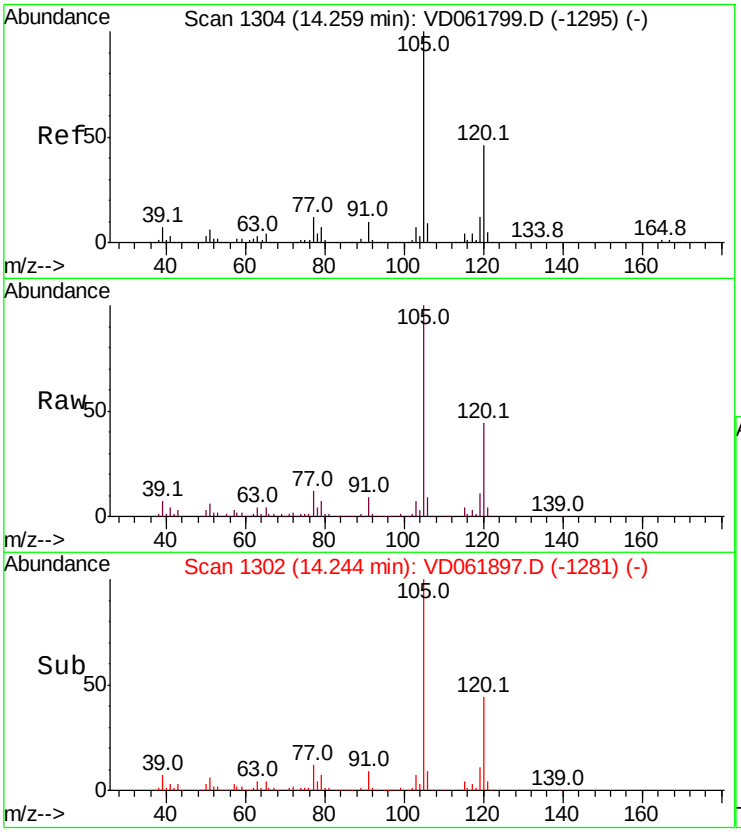


#80
1,3,5-Trimethylbenzene
Concen: 26.222 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:105 Resp: 107416

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.0	72.0





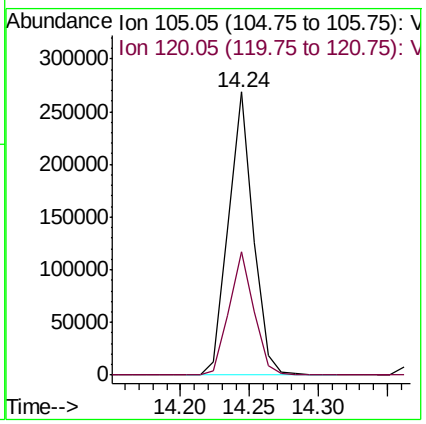
#84
1,2,4-Trimethylbenzene
Concen: 81.561 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

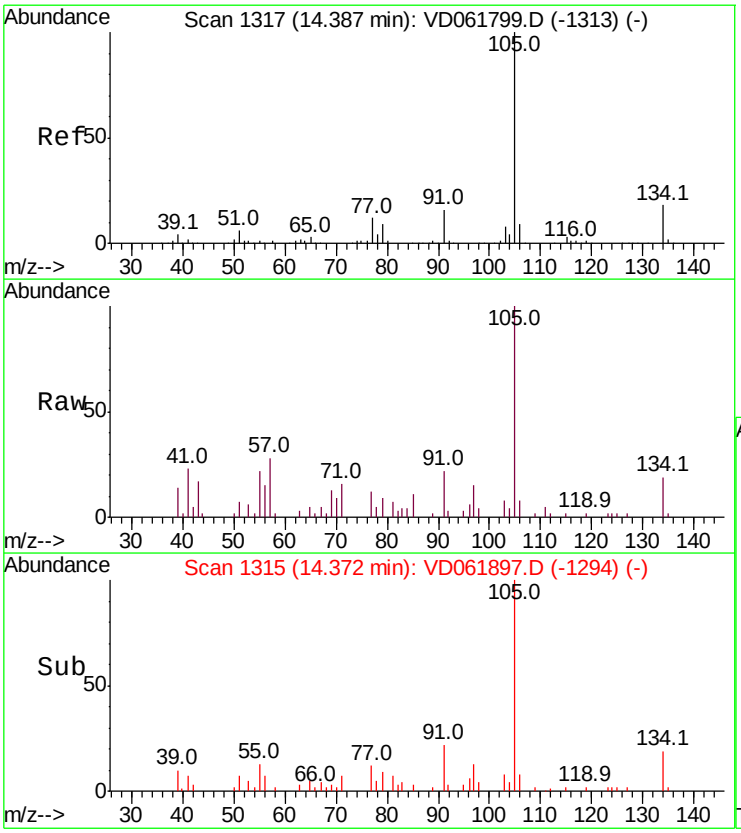
Tgt Ion:105 Resp: 335849

Ion	Ratio	Lower	Upper
105	100		
120	43.7	23.1	69.2

Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

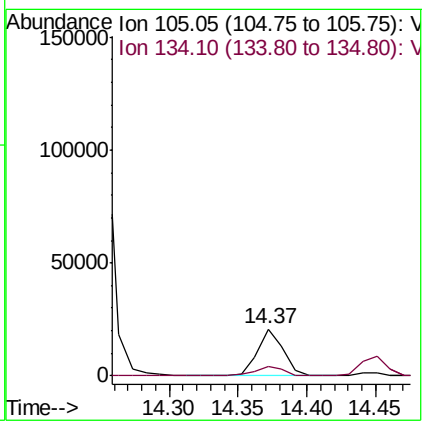


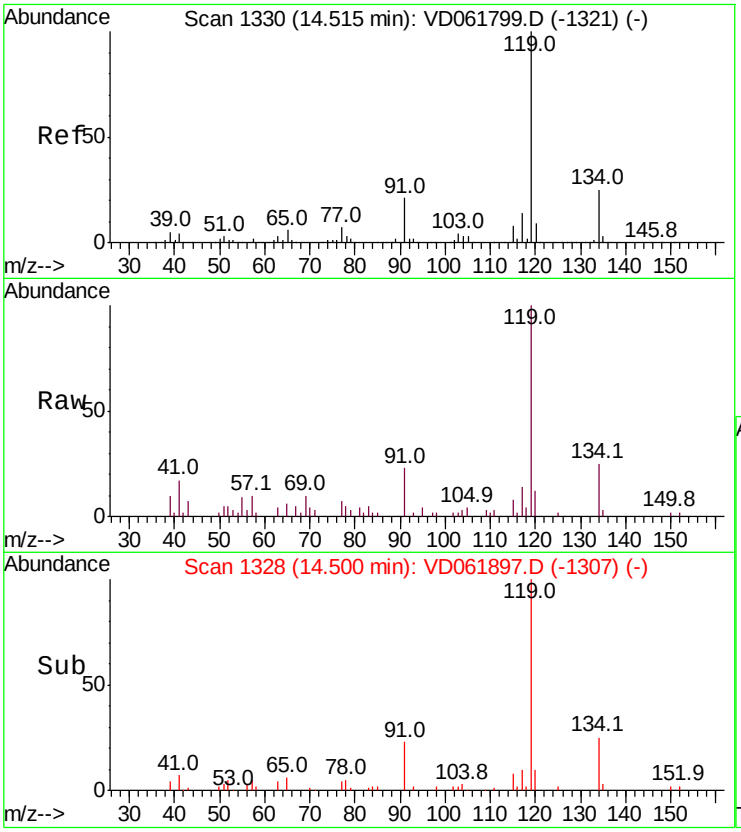


#85
sec-Butylbenzene
Concen: 5.636 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:105 Resp: 28023

Ion	Ratio	Lower	Upper
105	100		
134	19.2	8.9	26.7

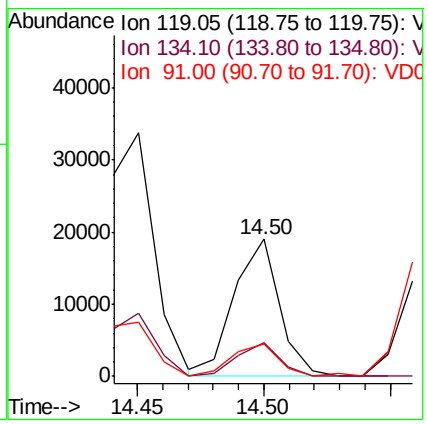




#86
p-Isopropyltoluene
Concen: 5.124 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

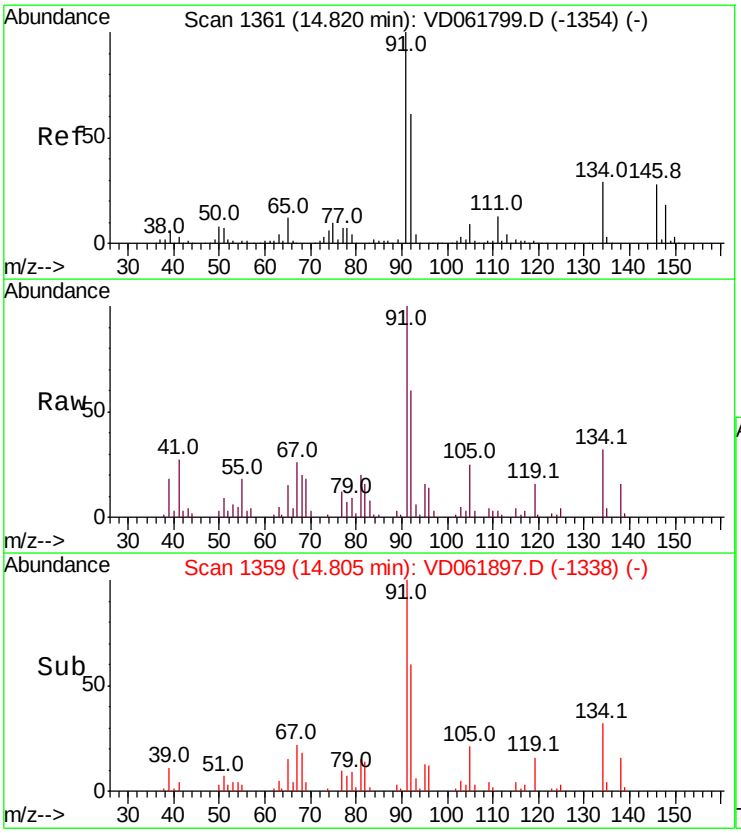
Tgt Ion:119 Resp: 23839

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.8	38.3
91	23.4	10.7	32.1



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

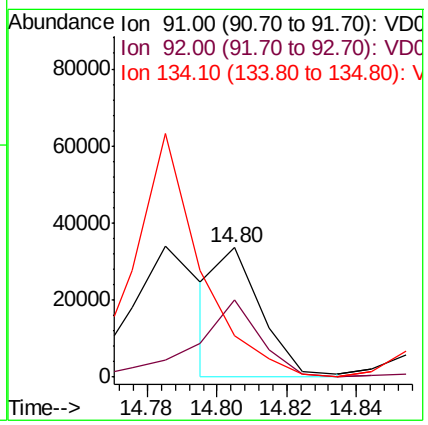
Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM

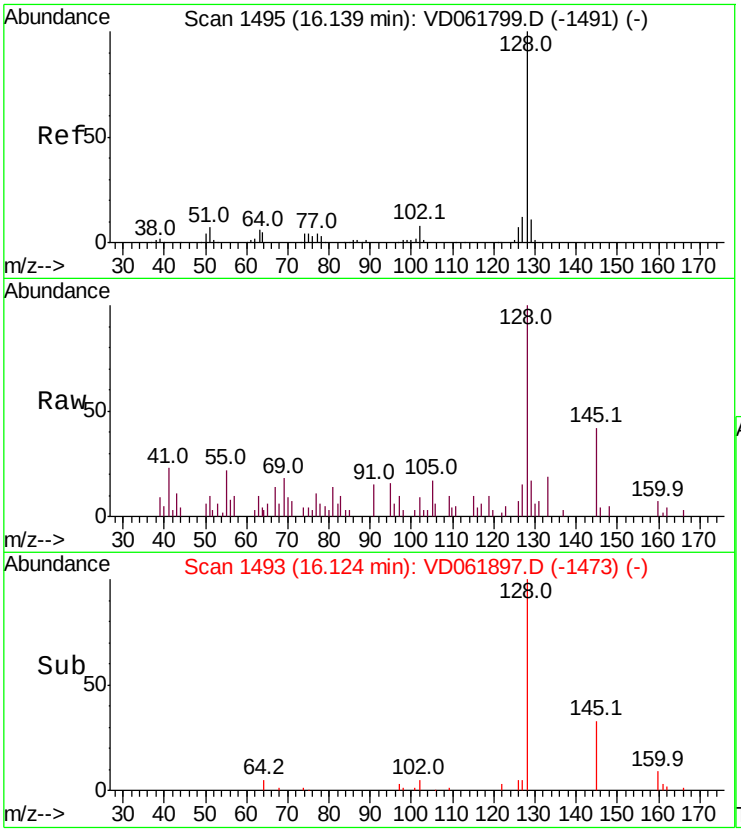


#89
n-Butylbenzene
Concen: 7.010 ug/l m
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion: 91 Resp: 28869

Ion	Ratio	Lower	Upper
91	100		
92	59.9	30.3	91.0
134	31.9	14.5	43.6

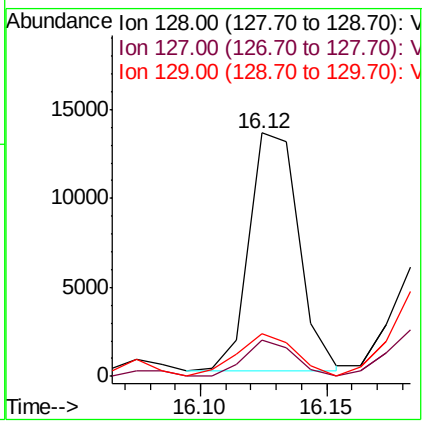




#95
Naphthalene
Concen: 10.175 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061897.D
Acq: 19 Apr 2019 5:29

Tgt Ion:128 Resp: 18370

Ion	Ratio	Lower	Upper
128	100		
127	14.8	9.8	14.8#
129	17.3	8.8	13.2#



Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-B

Manual Integrations APPROVED
MMDadoda
4/19/2019 6:24:28 PM