Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062501.D
Acq On : 22 May 2019 14:07
Operator : VA/AP
Sample : K2996-01
Misc : 6.29g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
MMDadoda
5/23/2019 11:20:59 AM

Quant Time: May 23 03:29:13 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	7.13	168	163087m	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	8.30	114	211609	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.47	117	164878	50.00	ug/l	0.09
72) 1,4-Dichlorobenzene-d4	14.53	152	6088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.52	65	25438	14.57	ug/l	0.05
Spiked Amount 50.000			Recovery = 29.14%			
35) Dibromofluoromethane	6.95	113	115616	60.56	ug/l	0.00
Spiked Amount 50.000			Recovery = 121.12%			
50) Toluene-d8	10.67	98	970808m	232.39	ug/l	0.24
Spiked Amount 50.000			Recovery = 464.78%			
62) 4-Bromofluorobenzene	13.58	95	238486m	130.50	ug/l	0.01
Spiked Amount 50.000			Recovery = 261.00%			
Target Compounds						Qvalue
3) Chloromethane	1.82	50	138710m	122.775	ug/l	
31) Cyclohexane	7.09	56	9535234	5784.803	ug/l #	41
39) Methylcyclohexane	9.11	83	42334108m	25369.877	ug/l	
40) Benzene	7.60	78	5719553m	1441.277	ug/l	
52) Toluene	10.73	92	2952919m	1086.951	ug/l	
67) Ethyl Benzene	12.61	91	65709144m	12031.810	ug/l	
68) m/p-Xylenes	12.81	106	34398334m	17546.705	ug/l	
69) o-Xylene	13.11	106	442561	239.264	ug/l	79
73) Isopropylbenzene	13.45	105	16434844	42826.992	ug/l	79
78) n-propylbenzene	13.81	91	13697031	30813.768	ug/l	79
80) 1,3,5-Trimethylbenzene	13.96	105	8519088	25639.087	ug/l	92
83) tert-Butylbenzene	14.21	119	133413m	361.979	ug/l	
84) 1,2,4-Trimethylbenzene	14.28	105	19938137	58560.868	ug/l	66
85) sec-Butylbenzene	14.38	105	903061	2349.832	ug/l	97
86) p-Isopropyltoluene	14.51	119	323409	928.614	ug/l	91
89) n-Butylbenzene	14.80	91	674468m	2006.685	ug/l	
95) Naphthalene	16.12	128	368909	2097.557	ug/l	98

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062501.D
Acq On : 22 May 2019 14:07
Operator : VA/AP
Sample : K2996-01
Misc : 6.29g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 03:29:13 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

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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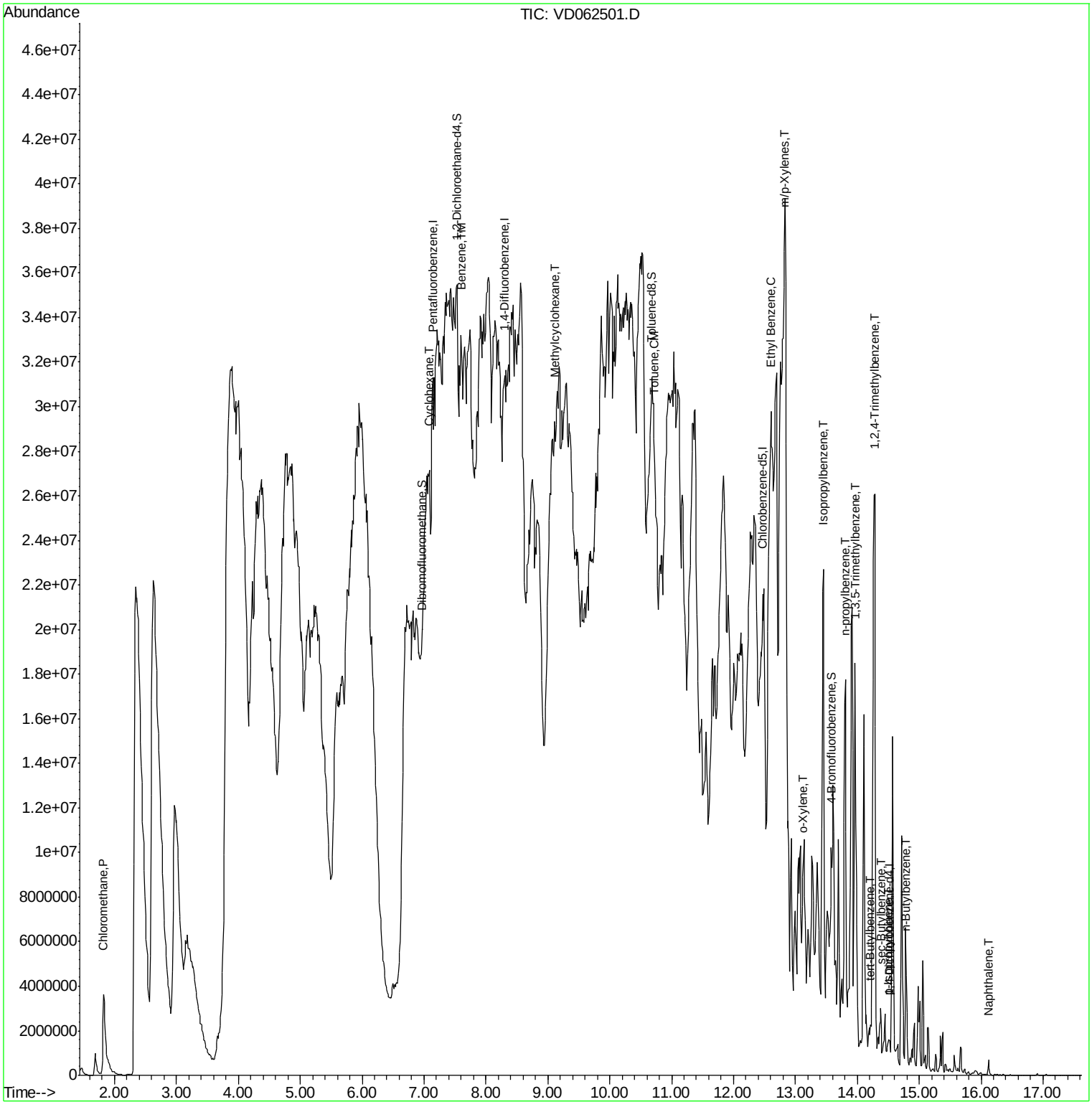
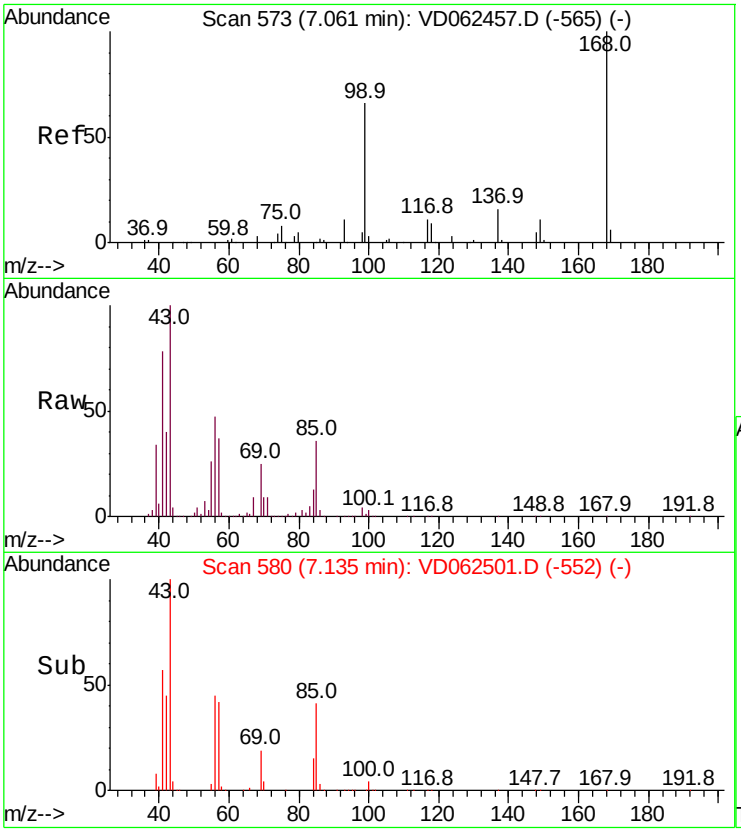




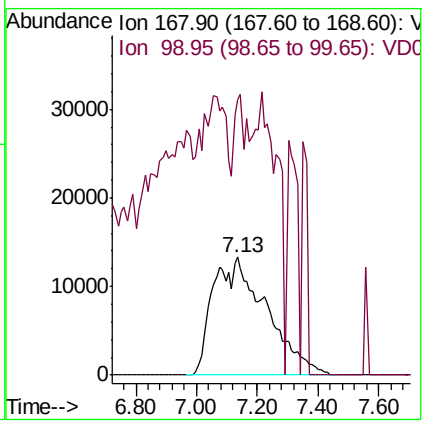
#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.07 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

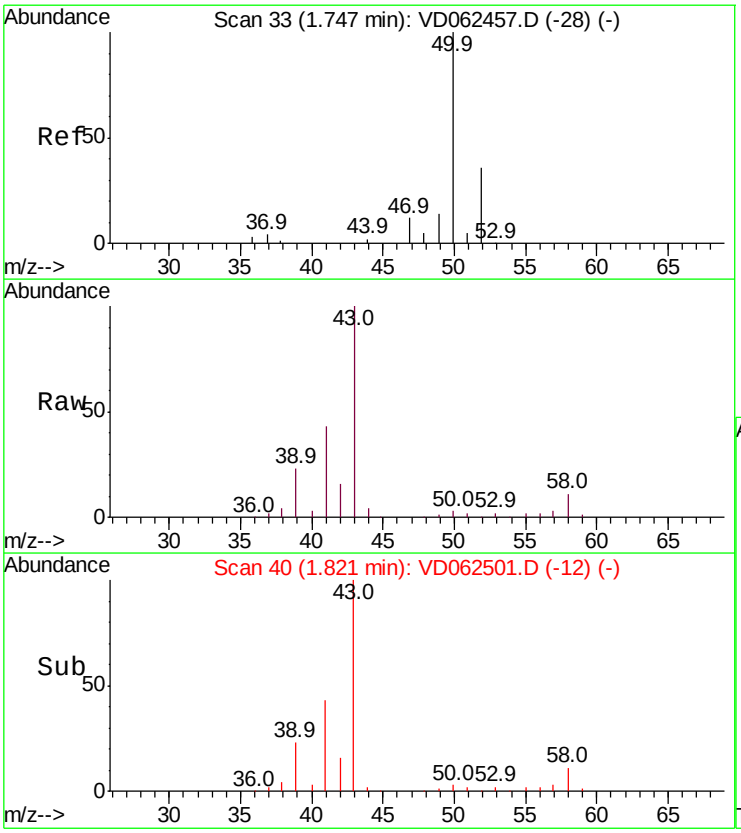
Tgt Ion:168 Resp: 163087

Ion	Ratio	Lower	Upper
168	100		
99	234.1	46.5	69.7#

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
MMDadoda
5/23/2019 11:20:59 AM

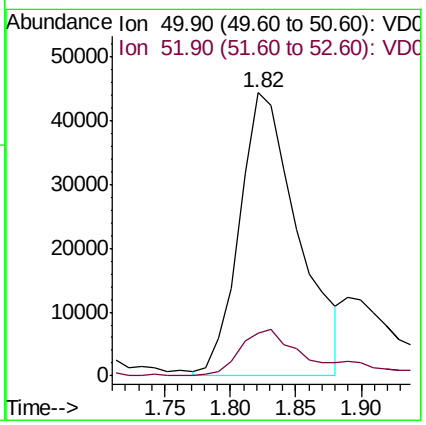


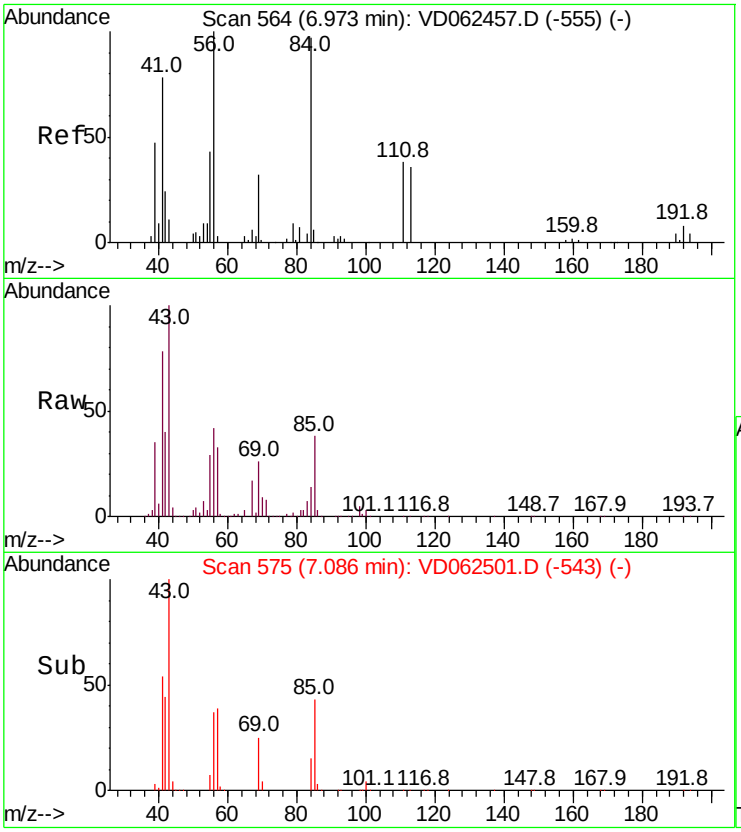


#3
Chloromethane
Concen: 122.775 ug/l m
RT: 1.82 min Scan# 40
Delta R.T. 0.07 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 50 Resp: 138710

Ion	Ratio	Lower	Upper
50	100		
52	15.2	25.2	37.8#

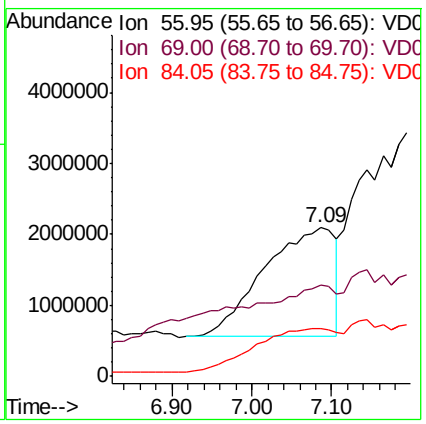




#31
Cyclohexane
Concen: 5784.803 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.11 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 56 Resp: 9535234

Ion	Ratio	Lower	Upper
56	100		
69	61.5	25.8	38.6#
84	32.4	72.2	108.4#



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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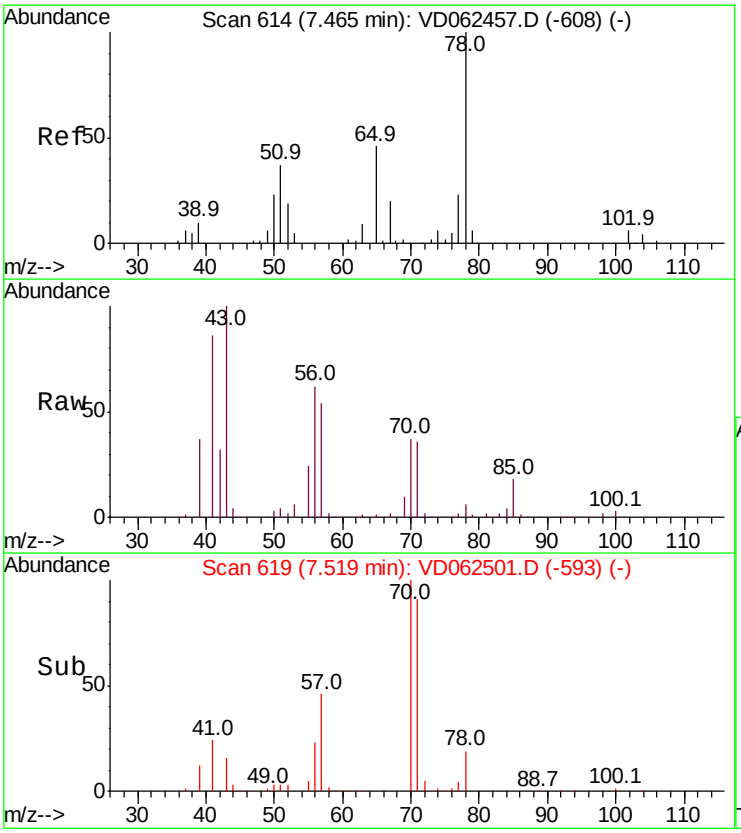
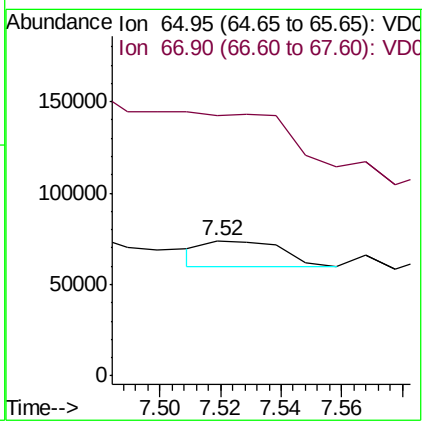
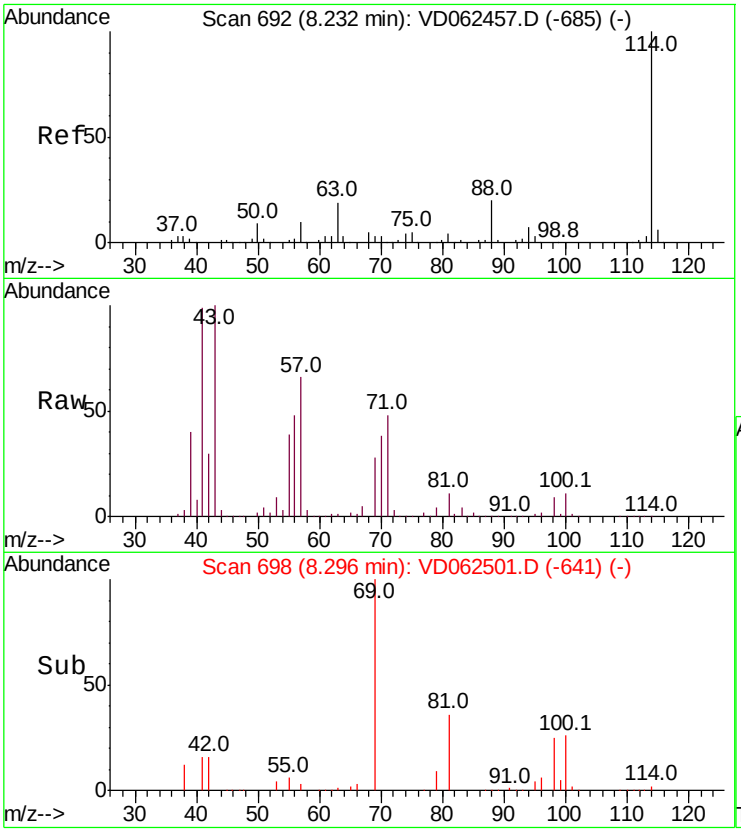


#33
1,2-Dichloroethane-d4
Concen: 14.571 ug/l
RT: 7.52 min Scan# 619
Delta R.T. 0.05 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 65 Resp: 25438

Ion	Ratio	Lower	Upper
65	100		
67	192.7	0.0	98.0#





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.30 min Scan# 698
Delta R.T. 0.06 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:114 Resp: 211609

Ion	Ratio	Lower	Upper
114	100		
63	249.0	0.0	32.4#
88	19.8	0.0	33.6

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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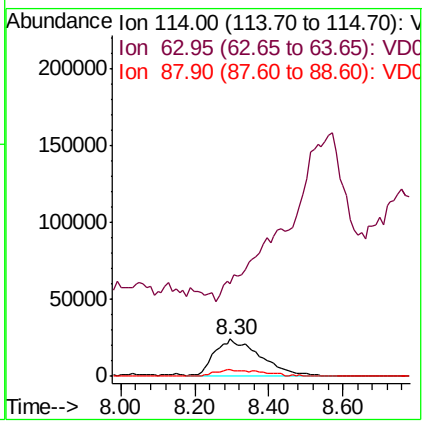
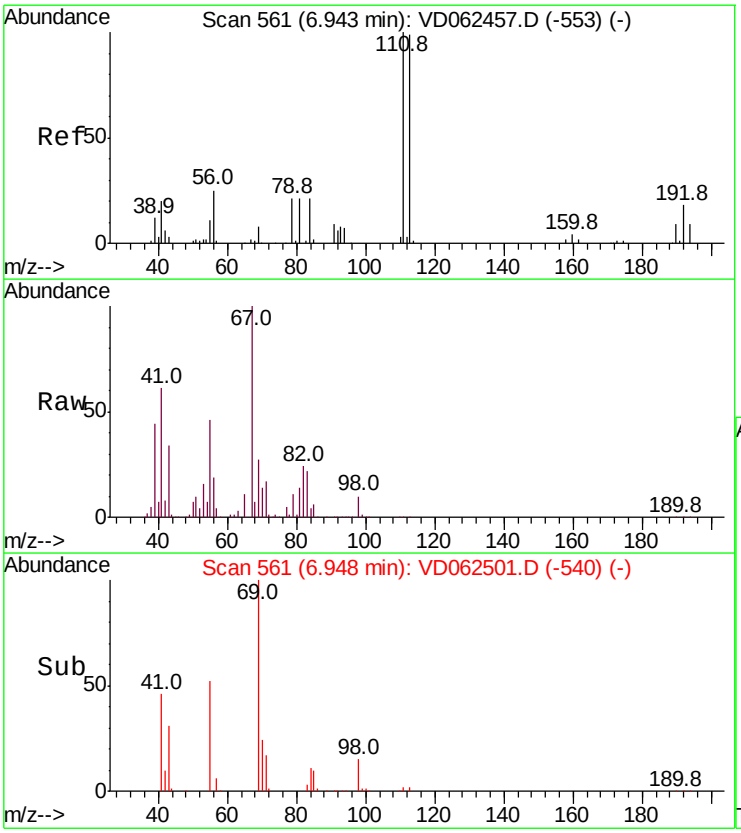
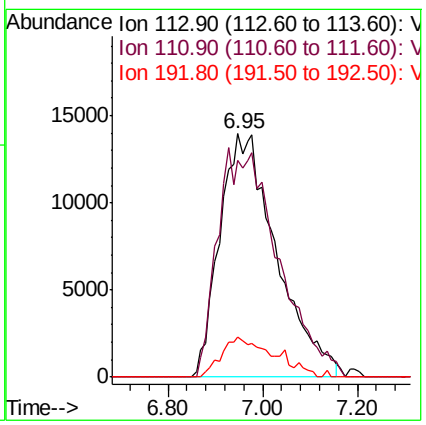


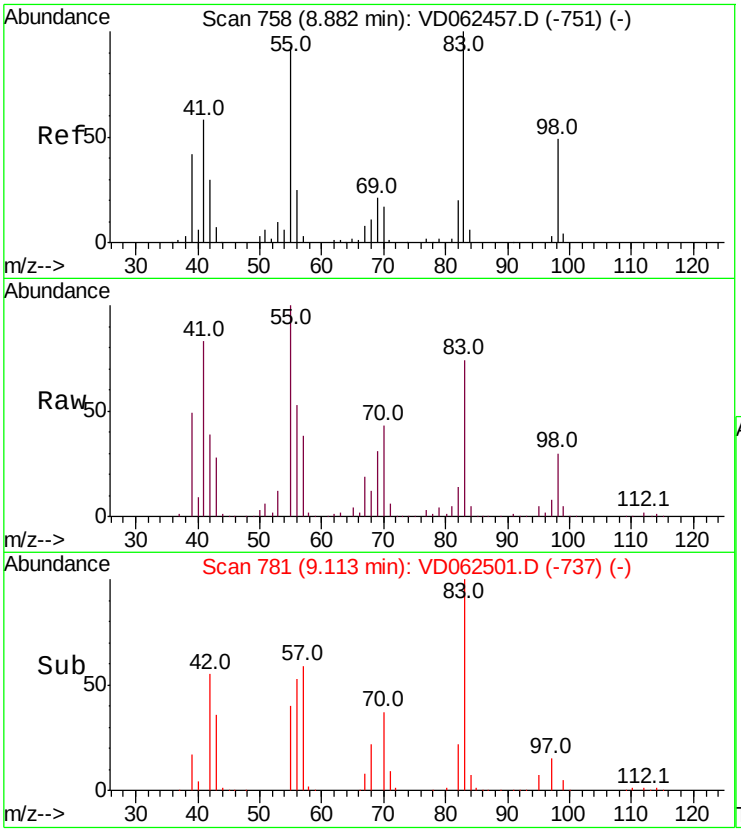


#35
Dibromofluoromethane
Concen: 60.565 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:113 Resp: 115616

Ion	Ratio	Lower	Upper
113	100		
111	89.3	78.5	117.7
192	16.4	13.0	19.4





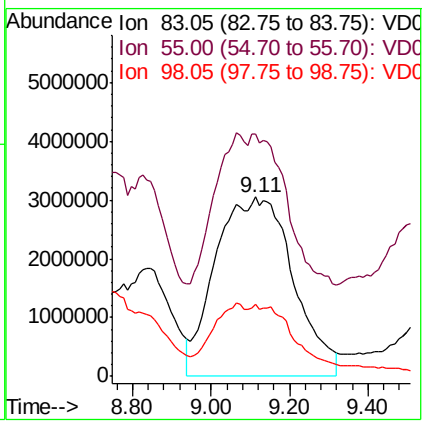
#39
Methylcyclohexane
Concen: 25369.877 ug/l m
RT: 9.11 min Scan# 781
Delta R.T. 0.23 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

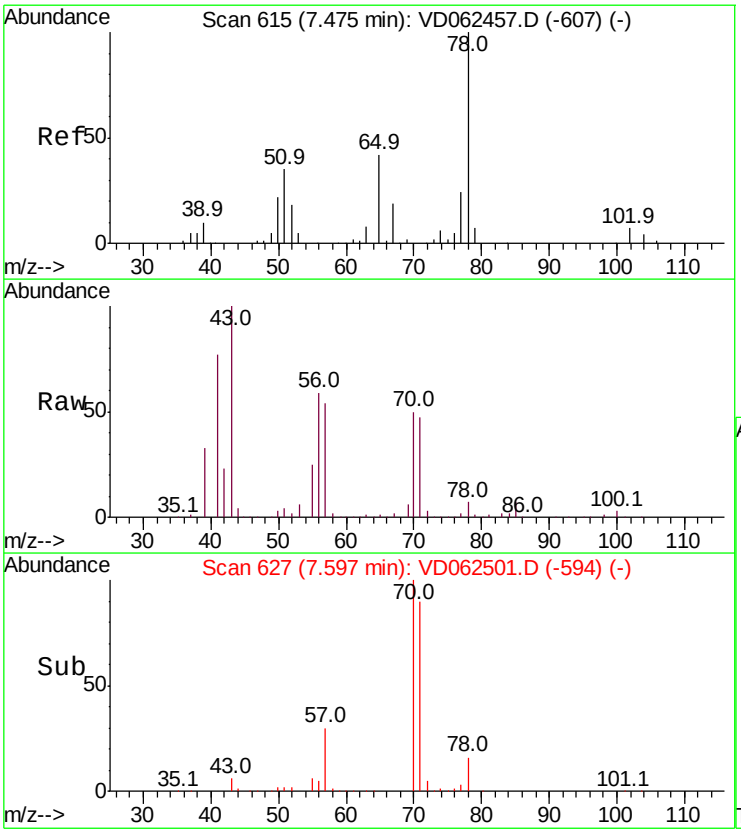
Tgt Ion: 83 Resp:42334108

Ion	Ratio	Lower	Upper
83	100		
55	135.4	68.2	102.4#
98	40.3	38.2	57.4

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
MMDadoda
5/23/2019 11:20:59 AM

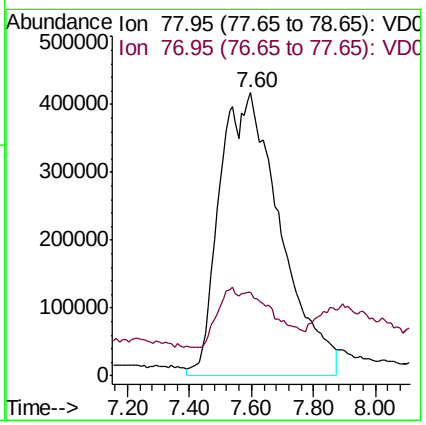


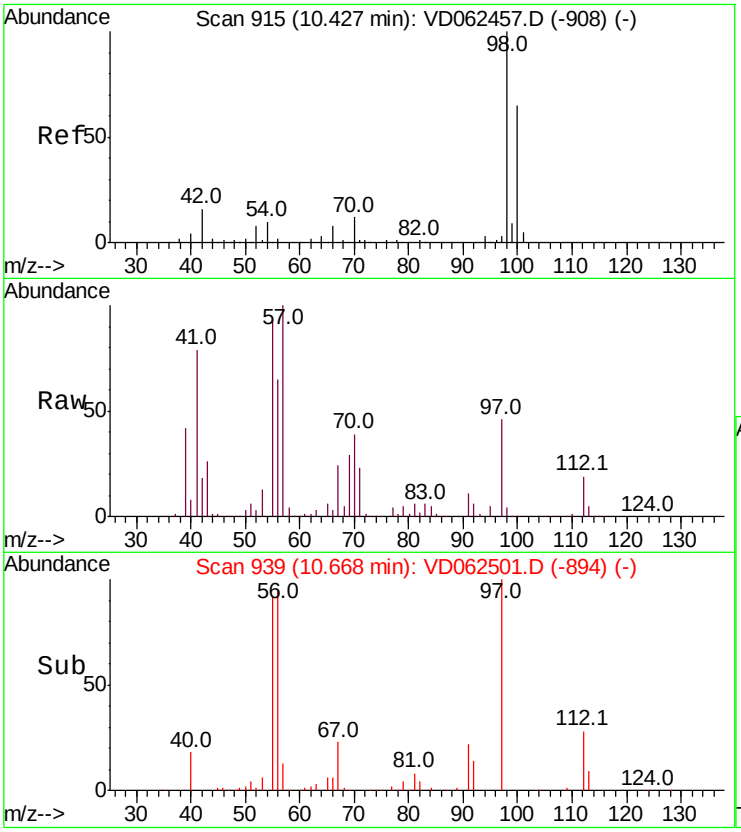


#40
Benzene
Concen: 1441.277 ug/l m
RT: 7.60 min Scan# 627
Delta R.T. 0.12 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 78 Resp: 5719553

Ion	Ratio	Lower	Upper
78	100		
77	29.7	19.7	29.5#





#50
Toluene-d8
Concen: 232.385 ug/l m
RT: 10.67 min Scan# 939
Delta R.T. 0.24 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 98 Resp: 970808

Ion	Ratio	Lower	Upper
98	100		
100	4.4	53.8	80.8#

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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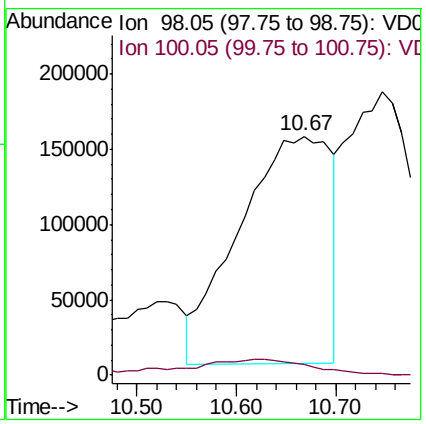
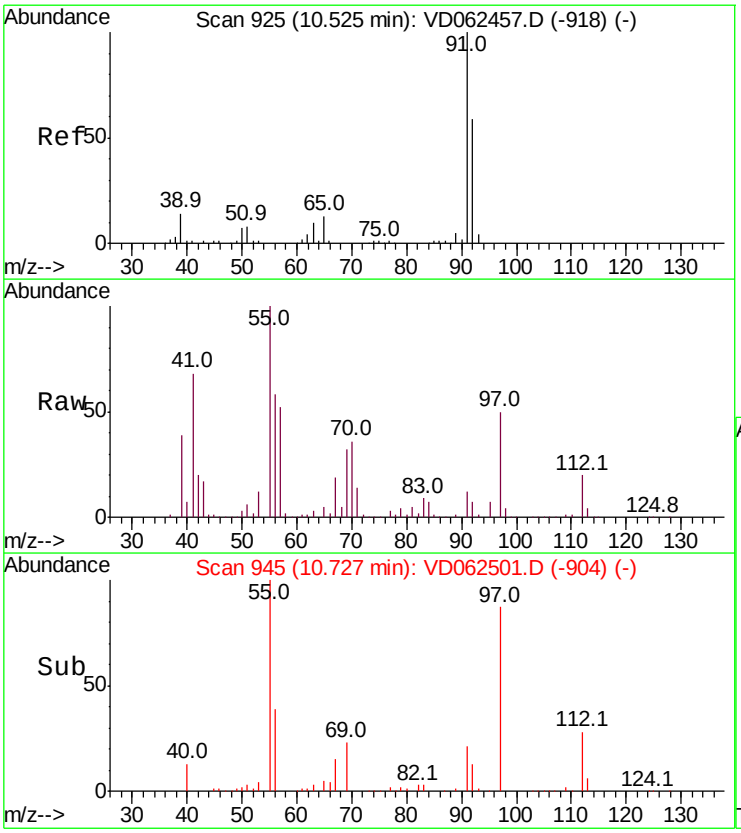
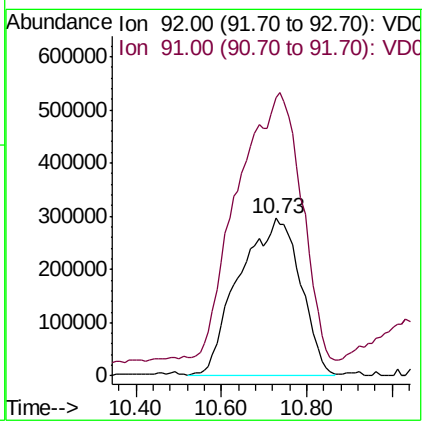


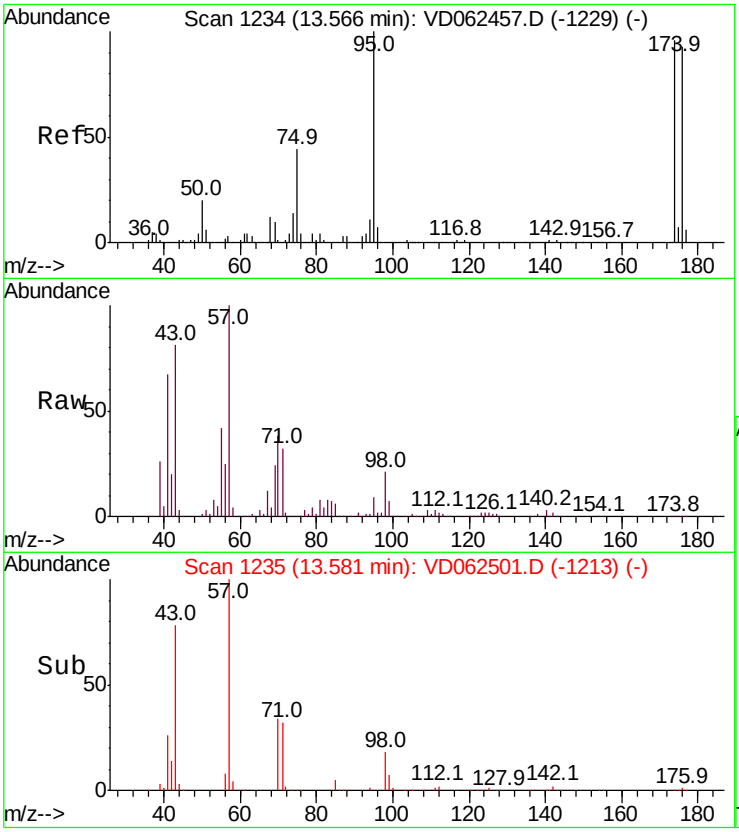


#52
Toluene
Concen: 1086.951 ug/l m
RT: 10.73 min Scan# 945
Delta R.T. 0.20 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 92 Resp: 2952919

Ion	Ratio	Lower	Upper
92	100		
91	176.2	136.6	204.8

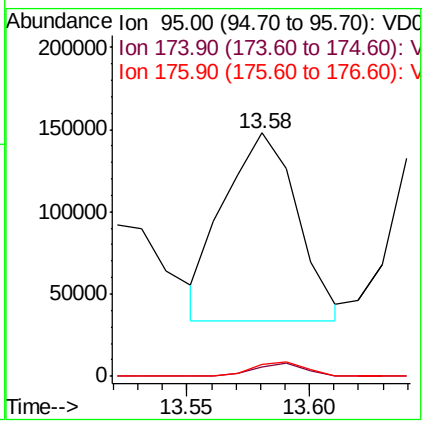




#62
4-Bromofluorobenzene
Concen: 130.504 ug/l m
RT: 13.58 min Scan# 1235
Delta R.T. 0.01 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 95 Resp: 238486

Ion	Ratio	Lower	Upper
95	100		
174	3.8	0.0	181.8
176	4.8	0.0	174.4



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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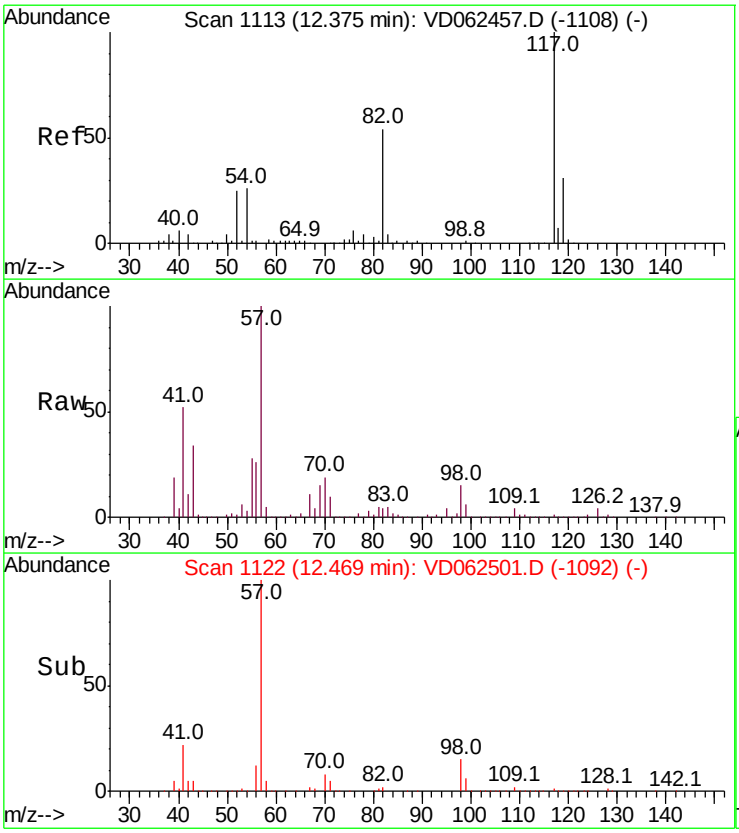
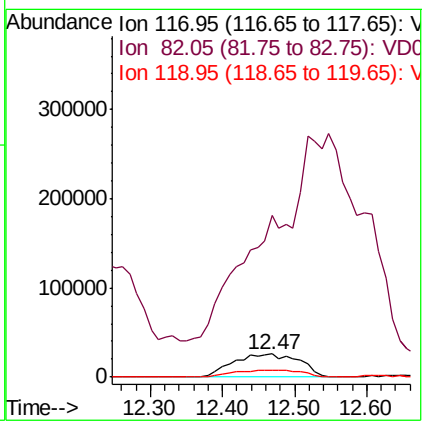
5/23/2019 11:20:59 AM

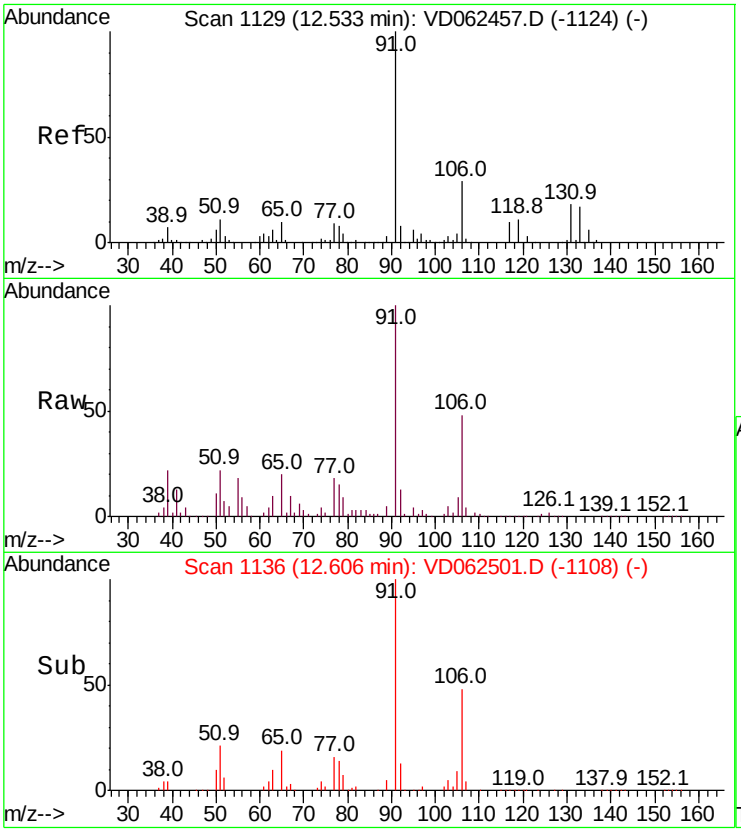


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.47 min Scan# 1122
Delta R.T. 0.09 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:117 Resp: 164878

Ion	Ratio	Lower	Upper
117	100		
82	702.3	36.2	54.2#
119	31.9	26.2	39.4





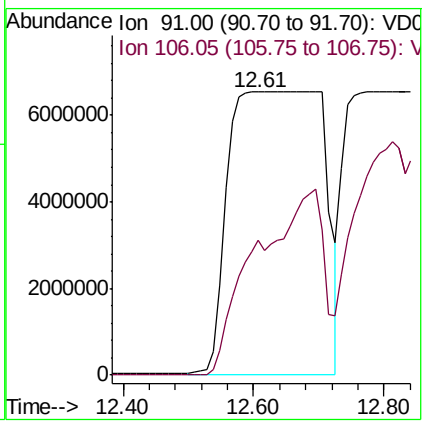
#67
Ethyl Benzene
Concen: 12031.810 ug/l m
RT: 12.61 min Scan# 1136
Delta R.T. 0.07 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

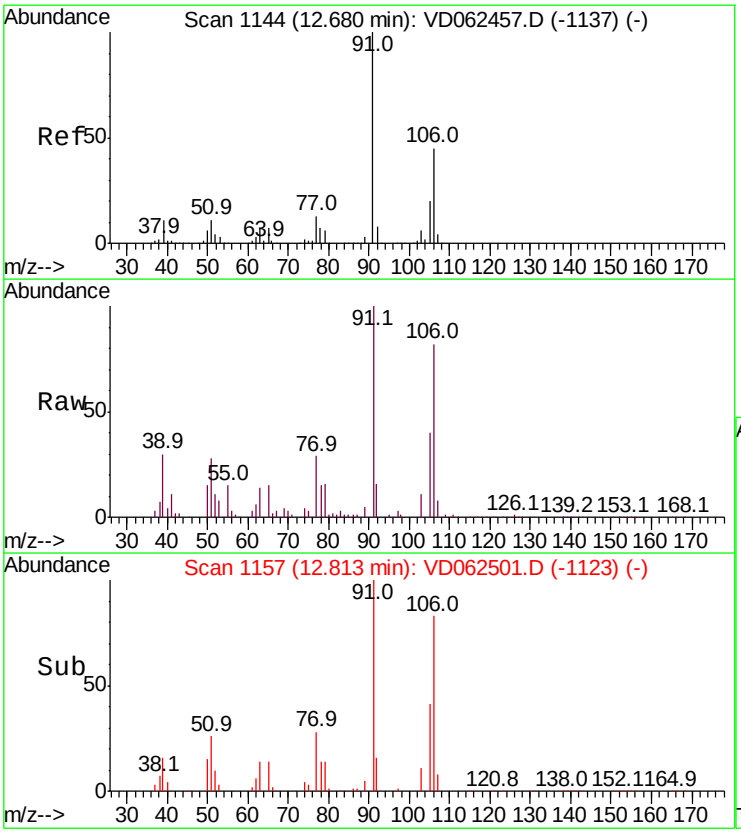
Tgt Ion: 91 Resp:65709144

Ion	Ratio	Lower	Upper
91	100		
106	47.8	24.7	37.1#

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
MMDadoda
5/23/2019 11:20:59 AM

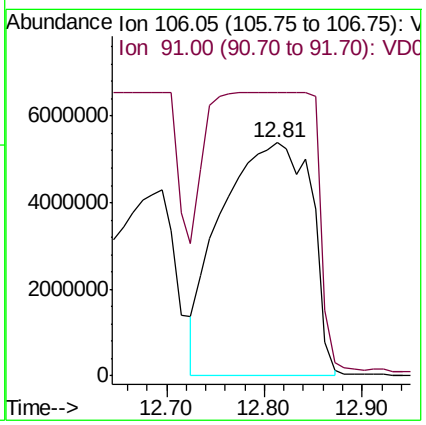


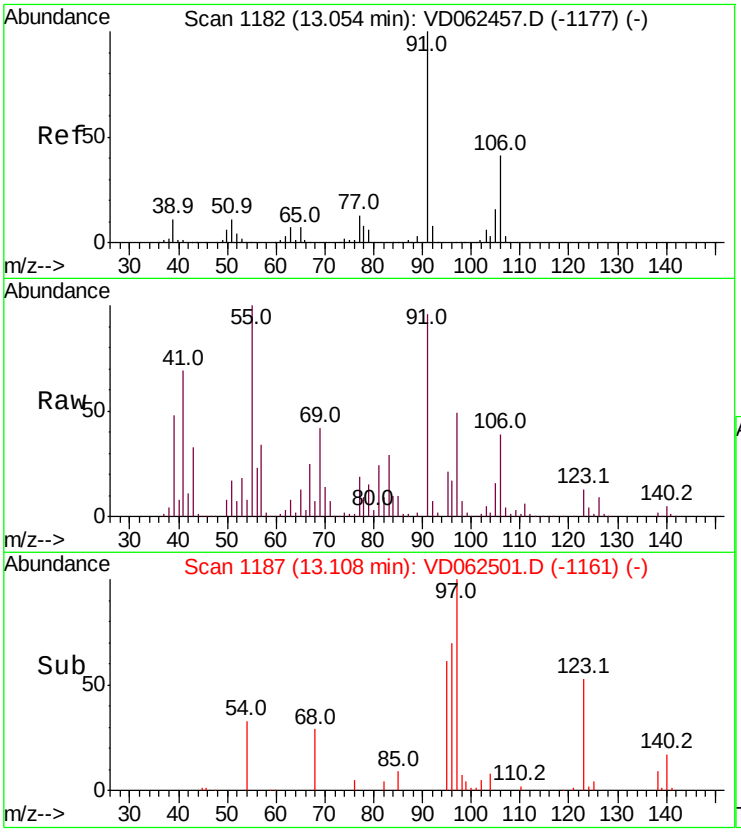


#68
m/p-Xylenes
Concen: 17546.705 ug/l m
RT: 12.81 min Scan# 1157
Delta R.T. 0.13 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:106 Resp:34398334

Ion	Ratio	Lower	Upper
106	100		
91	121.5	164.0	246.0#





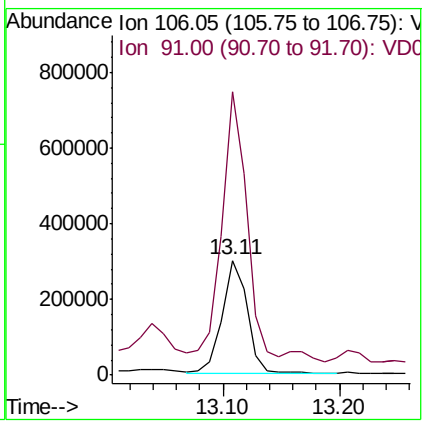
#69
o-Xylene
Concen: 239.264 ug/l
RT: 13.11 min Scan# 1187
Delta R.T. 0.05 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

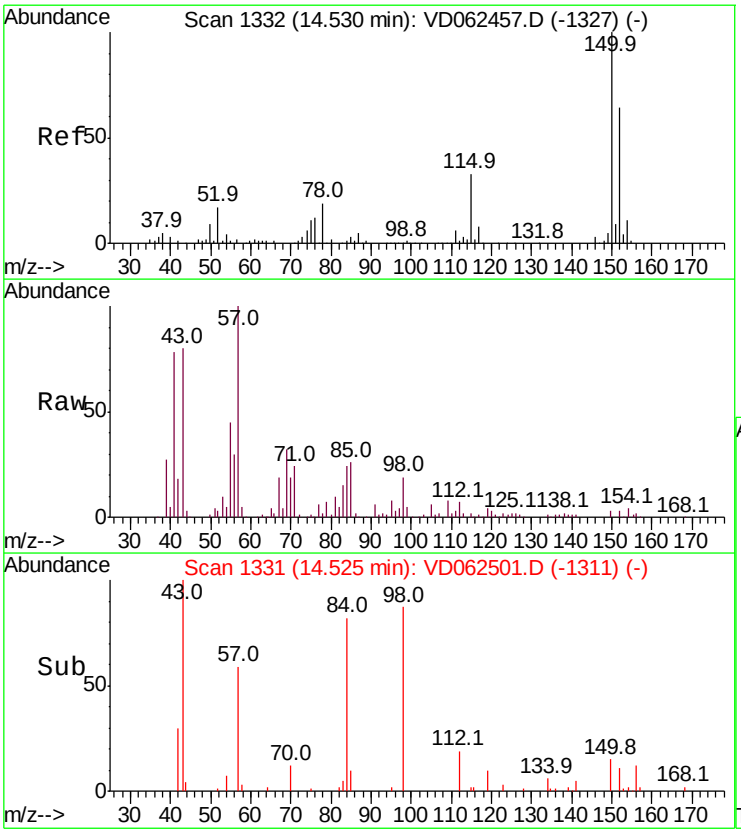
Tgt Ion:106 Resp: 442561

Ion	Ratio	Lower	Upper
106	100		
91	246.8	106.7	319.9

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
MMDadoda
5/23/2019 11:20:59 AM

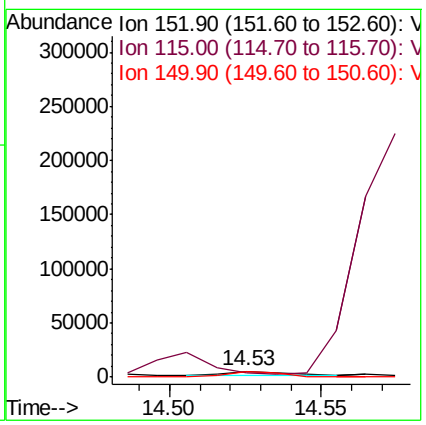


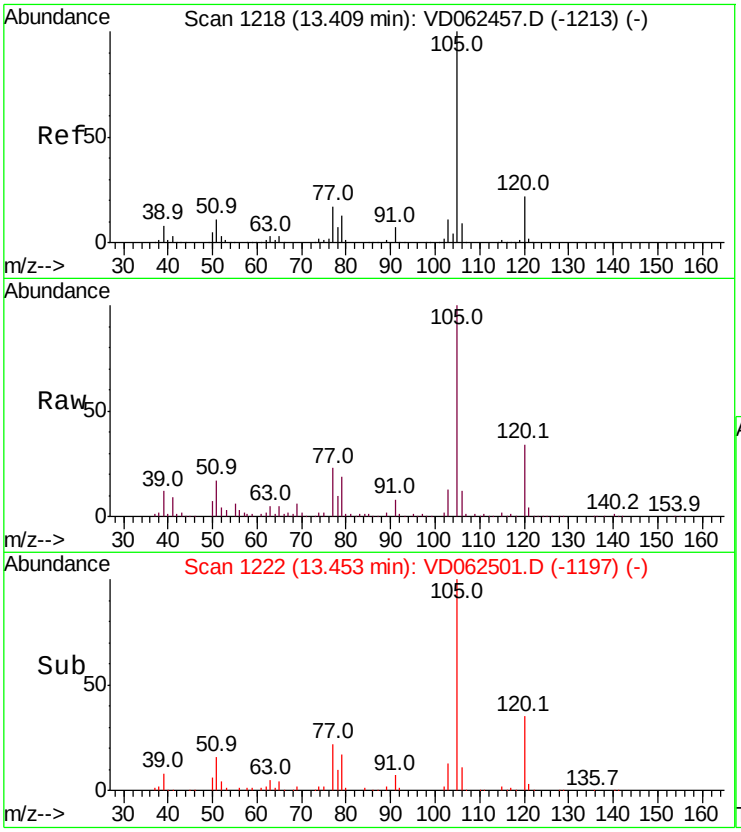


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:152 Resp: 6088

Ion	Ratio	Lower	Upper
152	100		
115	78.7	30.9	92.7
150	102.4	0.0	314.8





#73
Isopropylbenzene
Concen: 42826.992 ug/l
RT: 13.45 min Scan# 1222
Delta R.T. 0.04 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:105 Resp:16434844

Ion	Ratio	Lower	Upper
105	100		
120	34.5	12.0	36.1

Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

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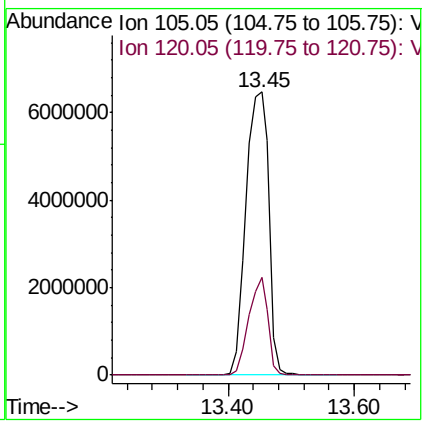
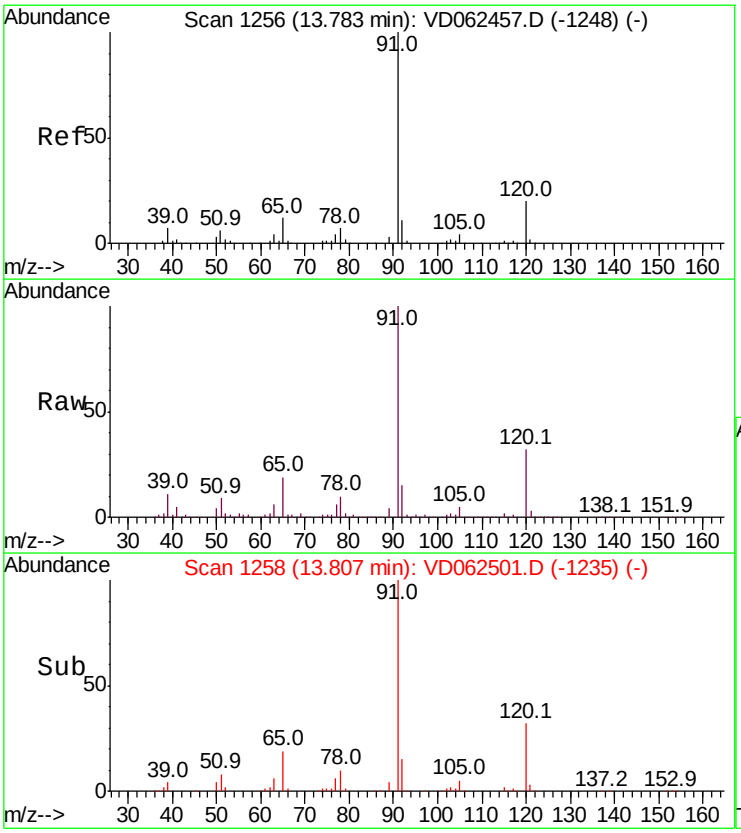
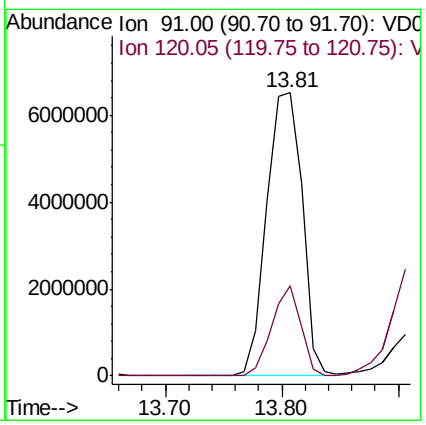


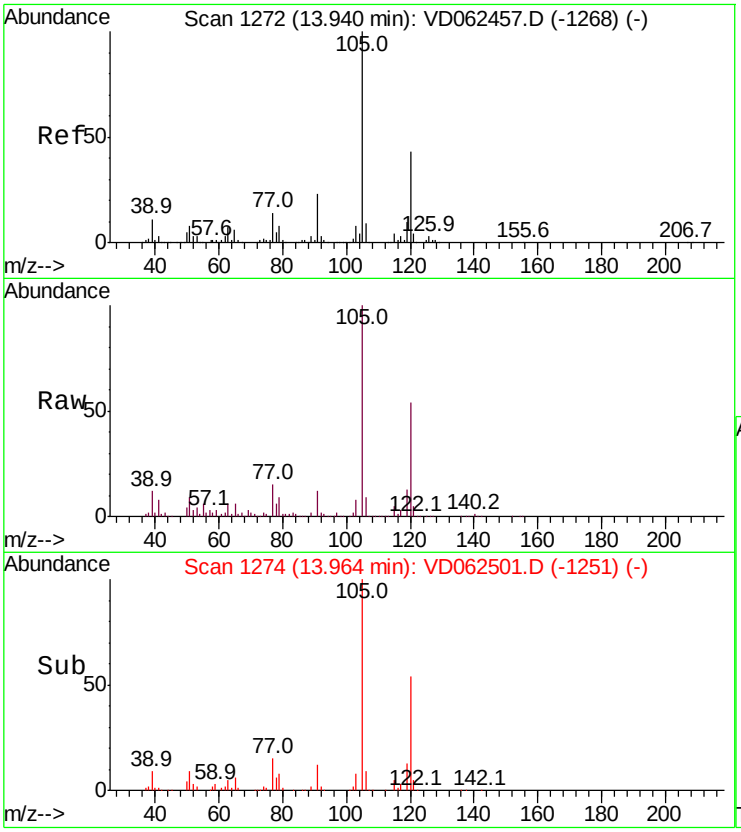


#78
n-propylbenzene
Concen: 30813.768 ug/l
RT: 13.81 min Scan# 1258
Delta R.T. 0.02 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 91 Resp:13697031

Ion	Ratio	Lower	Upper
91	100		
120	31.9	11.1	33.1

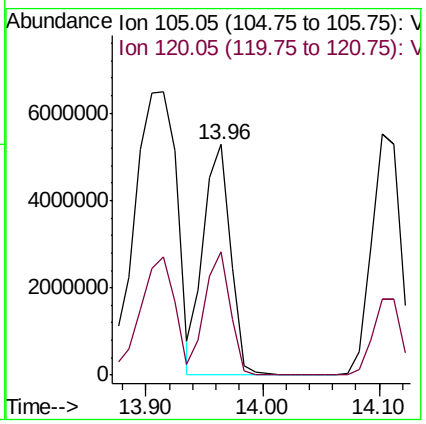




#80
1,3,5-Trimethylbenzene
Concen: 25639.087 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:105 Resp: 8519088

Ion	Ratio	Lower	Upper
105	100		
120	53.6	24.0	72.0



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

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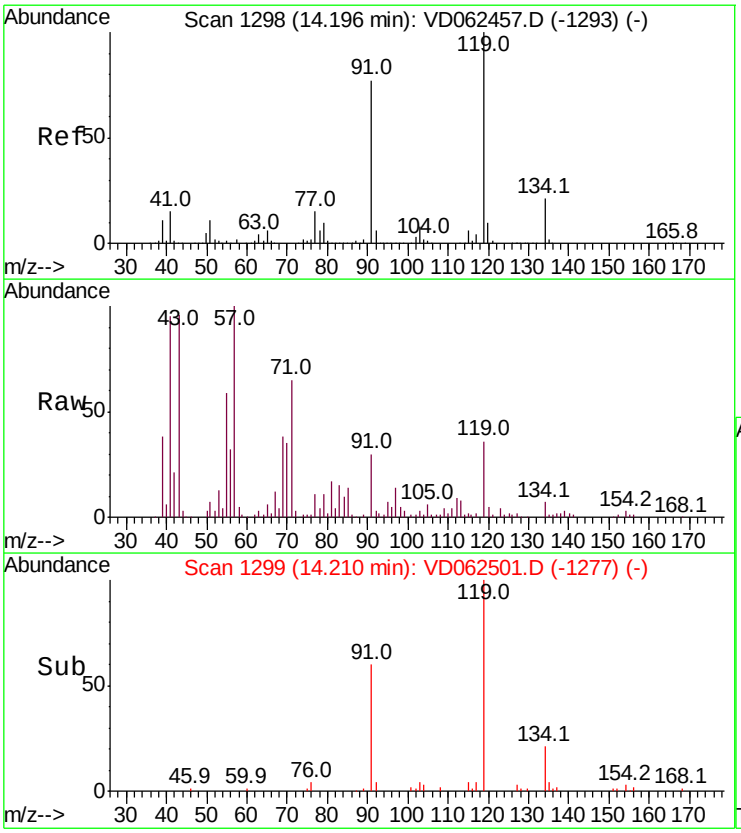
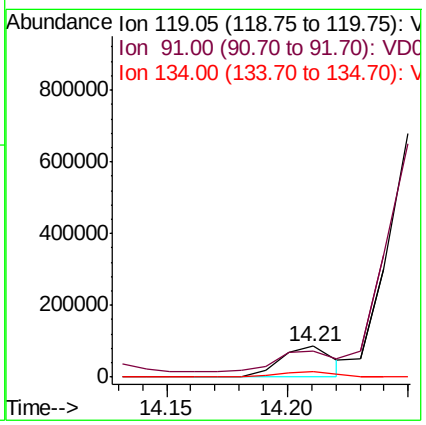
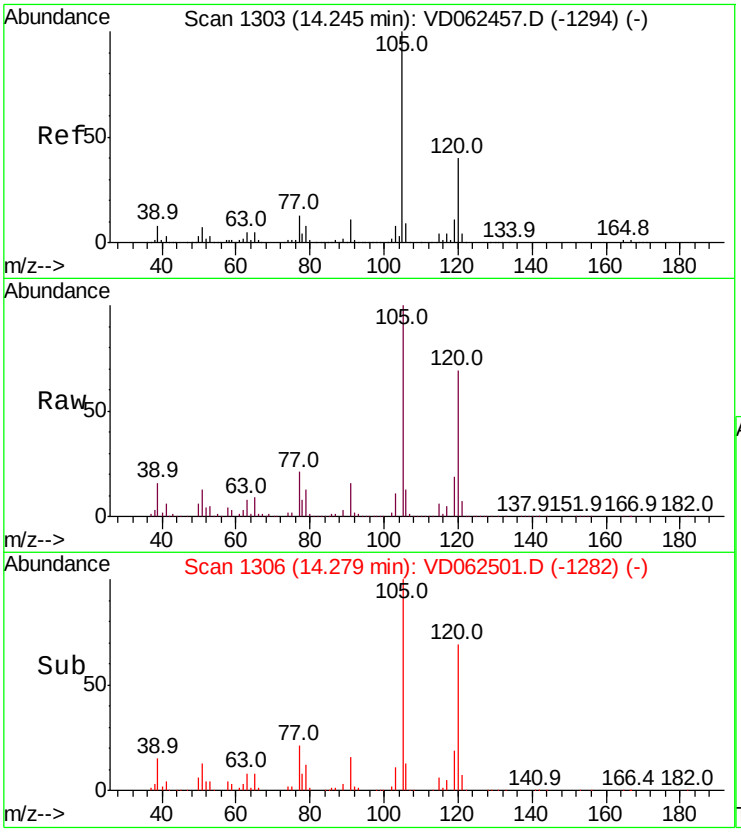


#83
tert-Butylbenzene
Concen: 361.979 ug/l m
RT: 14.21 min Scan# 1299
Delta R.T. 0.01 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:119 Resp: 133413

Ion	Ratio	Lower	Upper
119	100		
91	82.8	34.2	102.6
134	19.5	12.0	36.0

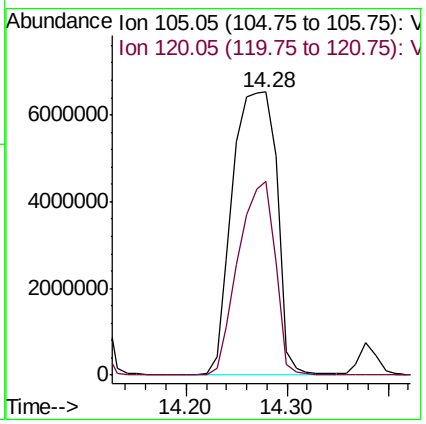




#84
1,2,4-Trimethylbenzene
Concen: 58560.868 ug/l
RT: 14.28 min Scan# 1306
Delta R.T. 0.03 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:105 Resp:19938137

Ion	Ratio	Lower	Upper
105	100		
120	68.5	23.1	69.2



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

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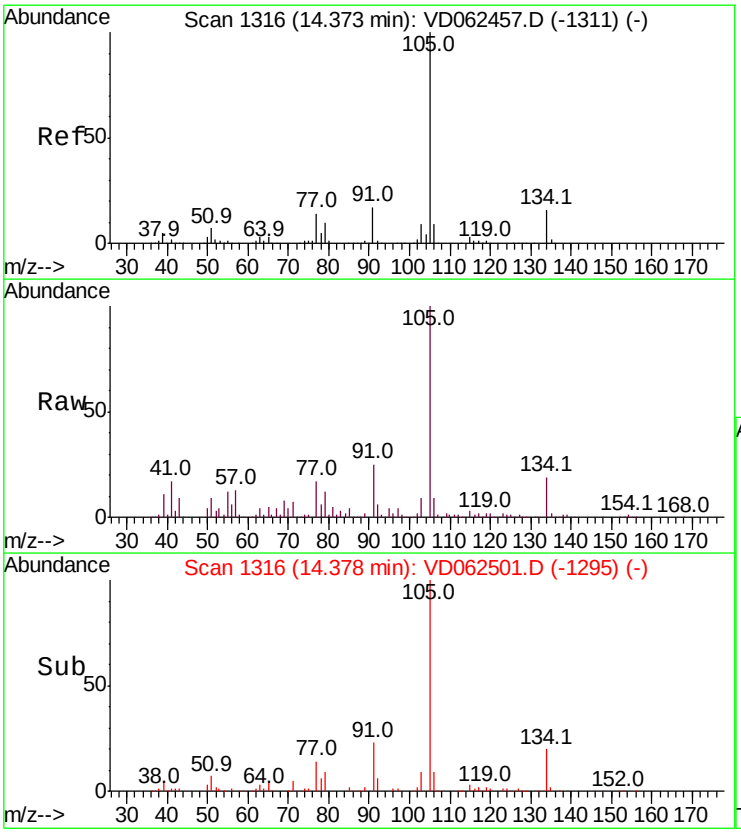
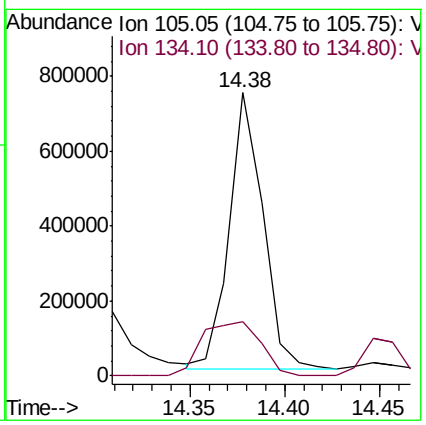
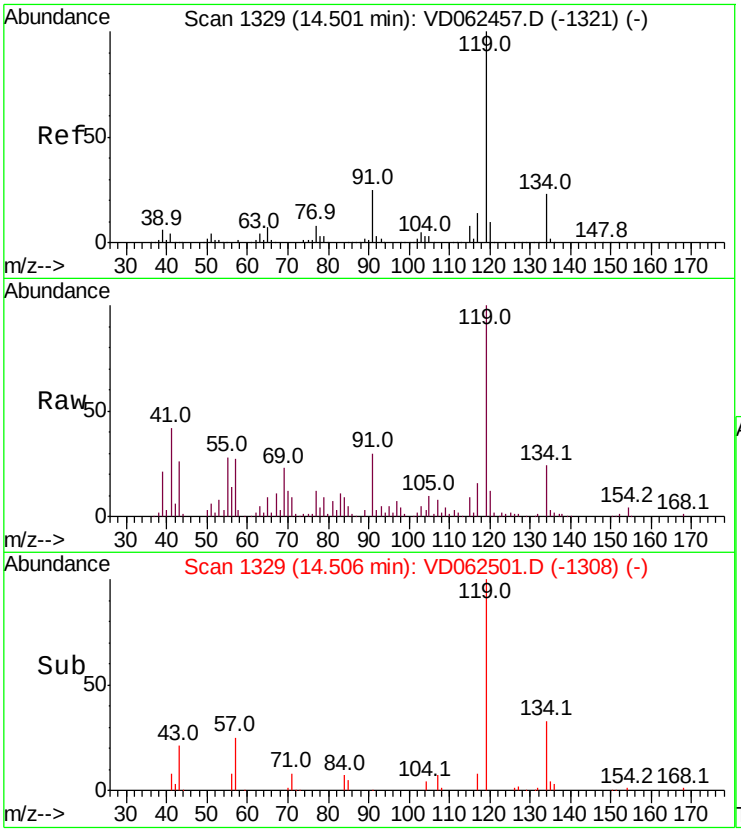


#85
sec-Butylbenzene
Concen: 2349.832 ug/l
RT: 14.38 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:105 Resp: 903061

Ion	Ratio	Lower	Upper
105	100		
134	19.3	8.9	26.7

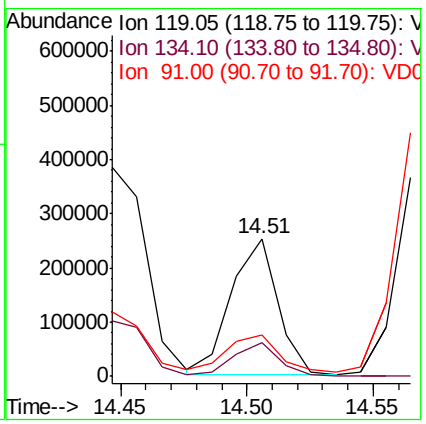




#86
p-Isopropyltoluene
Concen: 928.614 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:119 Resp: 323409

Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.8	38.3
91	29.6	10.7	32.1



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

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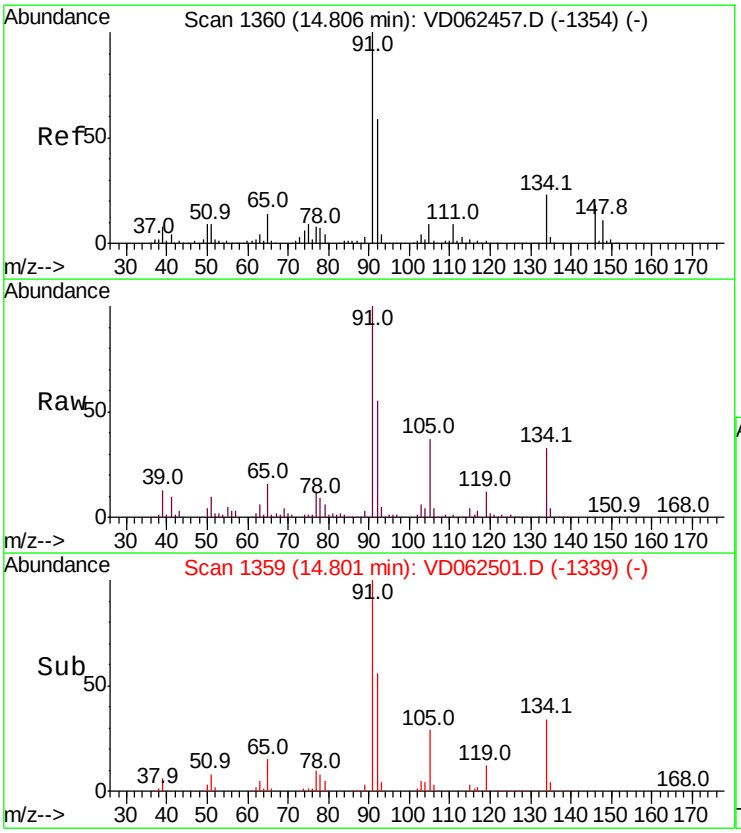
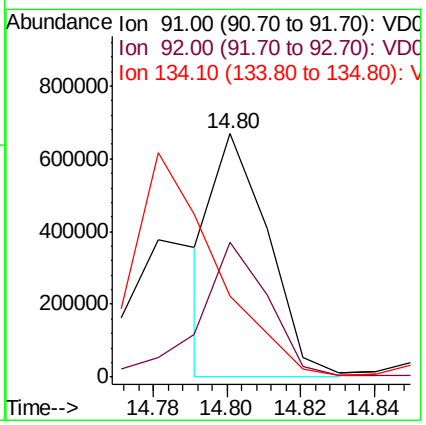
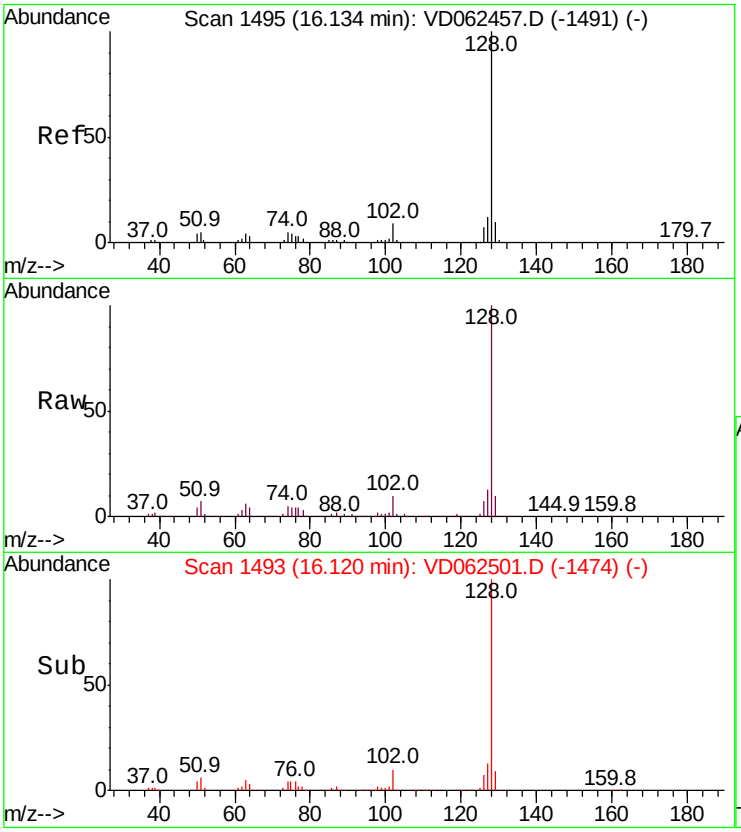


#89
n-Butylbenzene
Concen: 2006.685 ug/l m
RT: 14.80 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion: 91 Resp: 674468

Ion	Ratio	Lower	Upper
91	100		
92	55.1	30.3	91.0
134	33.1	14.5	43.6

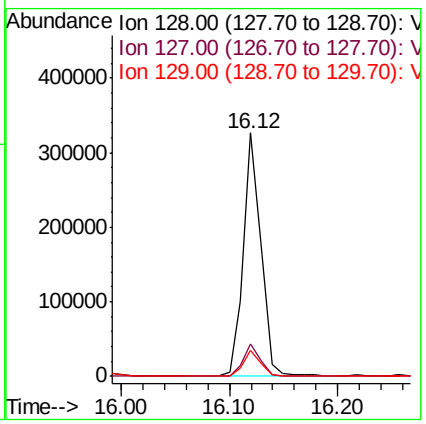




#95
Naphthalene
Concen: 2097.557 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062501.D
Acq: 22 May 2019 14:07

Tgt Ion:128 Resp: 368909

Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.8	14.8
129	10.5	8.8	13.2



Instrument :
MSVOA_D
ClientSampleId :
P-1(9.5-10.0)

Manual Integrations APPROVED
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