Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101920\
Data File : VD067310.D
Acq On : 19 Oct 2020 16:01
Operator : VA/SY
Sample : L4458-01
Misc : 3.77G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : BS-DRUM

Manual Integrations APPROVED
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10/20/2020 4:51:06 PM

Quant Time: Oct 20 01:53:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.98	168	165555	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.87	114	315376	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.65	117	204538	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	45143	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.33	65	134519	81.10	ug/l		0.00
Spiked Amount 50.000			Recovery = 162.20%				
35) Dibromofluoromethane	7.92	113	126719	60.38	ug/l		0.00
Spiked Amount 50.000			Recovery = 120.76%				
50) Toluene-d8	10.34	98	286467	37.72	ug/l		0.00
Spiked Amount 50.000			Recovery = 75.44%				
62) 4-Bromofluorobenzene	12.64	95	67906	25.71	ug/l		0.00
Spiked Amount 50.000			Recovery = 51.42%				
Target Compounds							Qvalue
16) Acetone	4.16	43	45788	197.117	ug/l		92
17) Carbon Disulfide	4.42	76	5549	1.425	ug/l		99
25) 2-Butanone	7.22	43	11662	44.043	ug/l	#	89
39) Methylcyclohexane	9.36	83	12234	4.378	ug/l	#	76
52) Toluene	10.41	92	12814	2.566	ug/l		97
67) Ethyl Benzene	11.75	91	67509	10.041	ug/l		96
68) m/p-Xylenes	11.86	106	13578	5.244	ug/l		97
69) o-Xylene	12.18	106	10235	4.269	ug/l		98
73) Isopropylbenzene	12.48	105	14785	5.160	ug/l		96
78) n-propylbenzene	12.83	91	16444	4.954	ug/l		96
80) 1,3,5-Trimethylbenzene	12.97	105	21941	8.813	ug/l		97
84) 1,2,4-Trimethylbenzene	13.27	105	52881	21.489	ug/l		100
85) sec-Butylbenzene	13.41	105	26325	9.122	ug/l		94
86) p-Isopropyltoluene	13.53	119	6738m	2.474	ug/l		
89) n-Butylbenzene	13.85	91	9225	3.850	ug/l	#	77
95) Naphthalene	15.41	128	20564	15.467	ug/l	#	82

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
Data File : VD067310.D
Acq On : 19 Oct 2020 16:01
Operator : VA/SY
Sample : L4458-01
Misc : 3.77G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 01:53:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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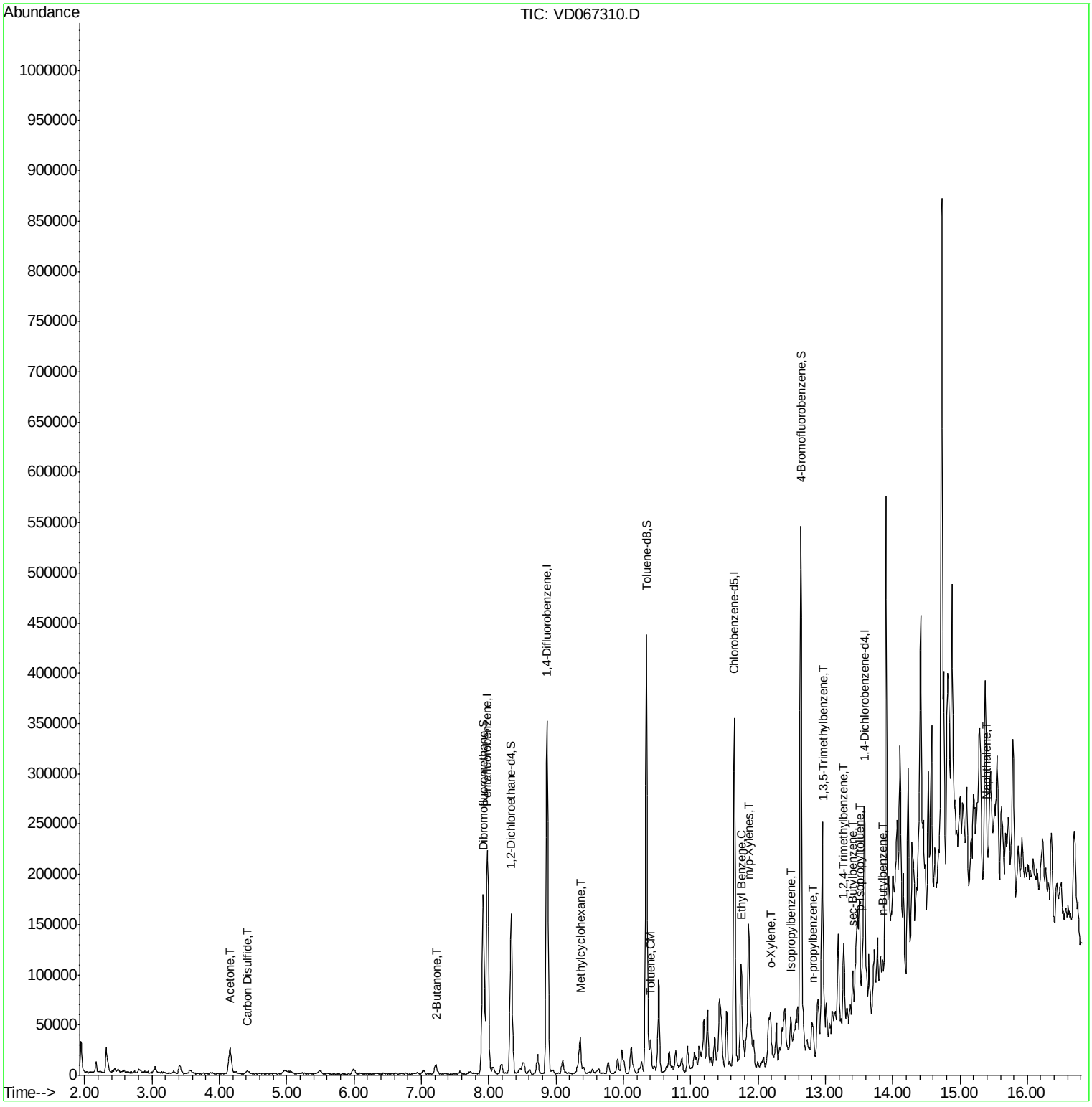
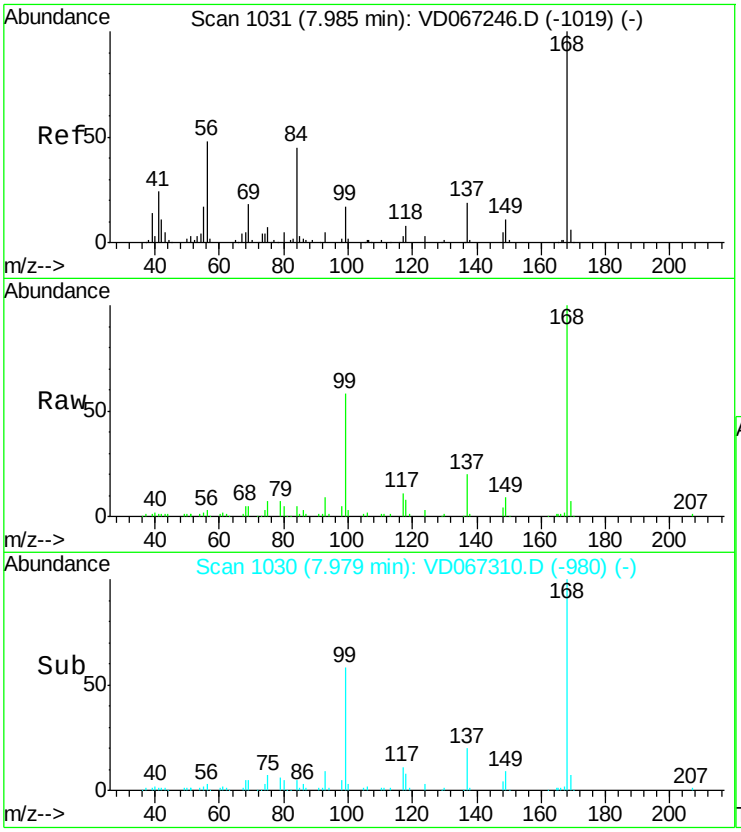
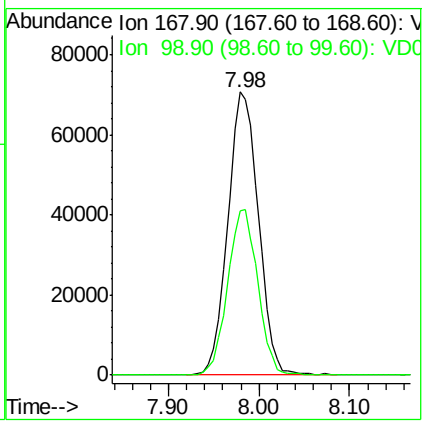




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:168 Resp: 165555

Ion	Ratio	Lower	Upper
168	100		
99	58.2	45.9	68.9



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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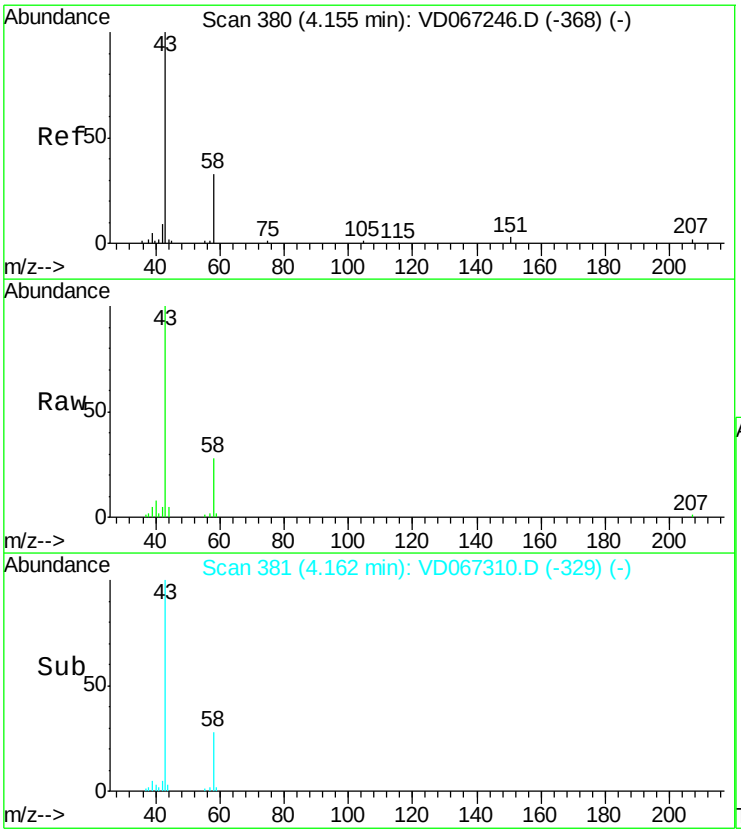
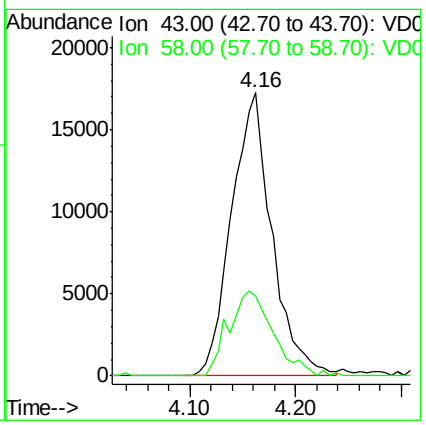
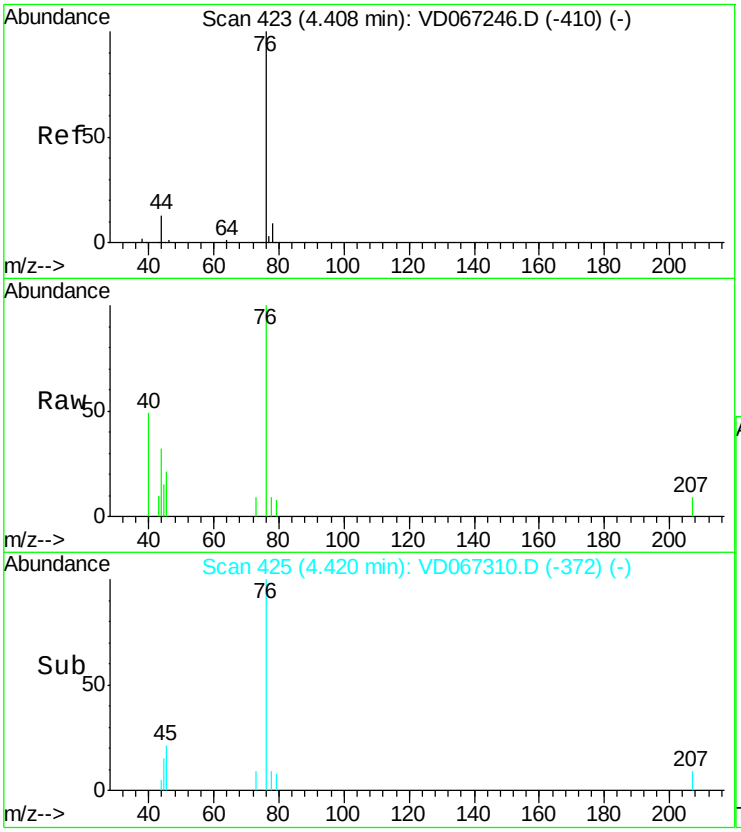


#16
Acetone
Concen: 197.117 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 43 Resp: 45788

Ion	Ratio	Lower	Upper
43	100		
58	28.1	26.1	39.1

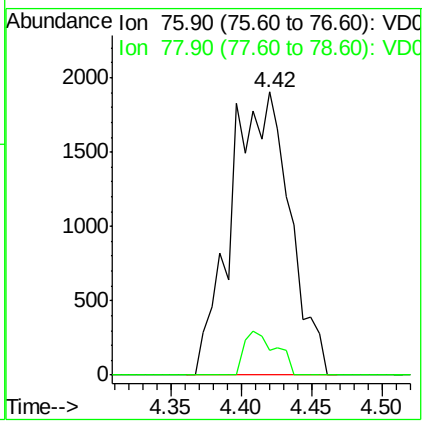




#17
Carbon Disulfide
Concen: 1.425 ug/l
RT: 4.42 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 76 Resp: 5549

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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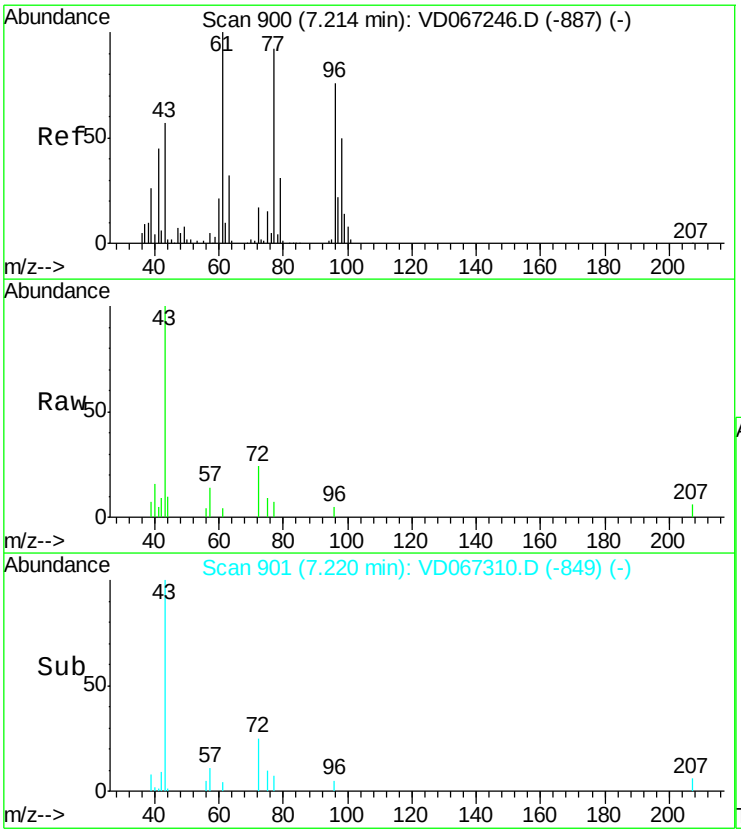
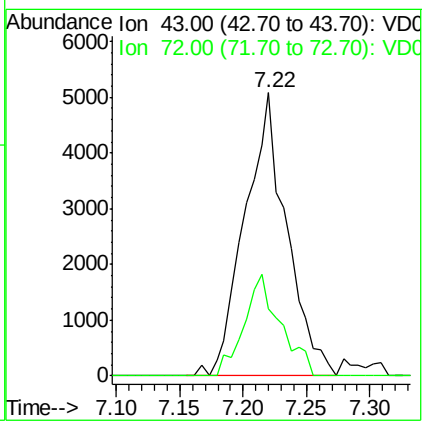
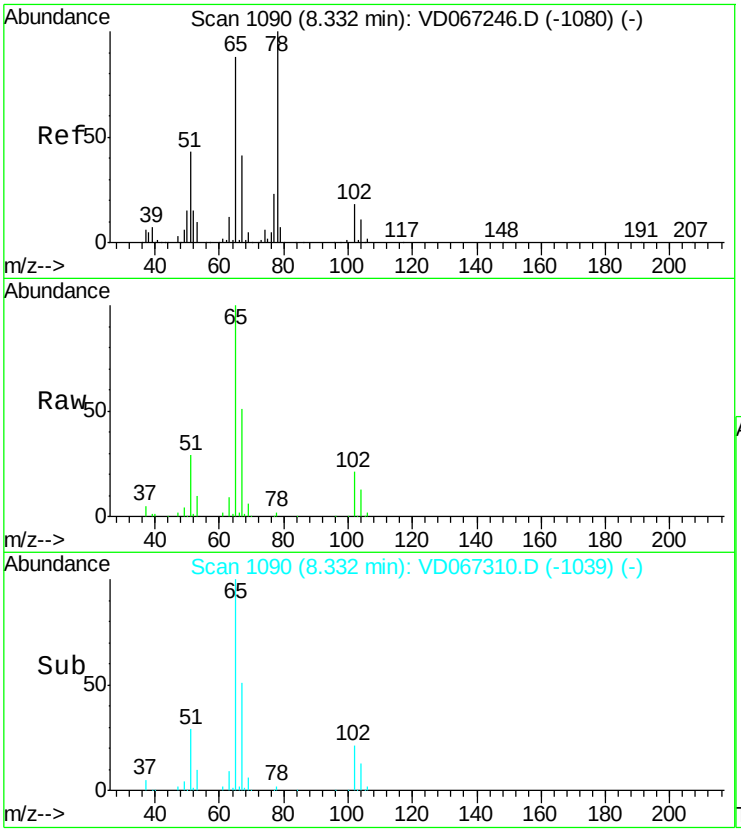


#25
2-Butanone
Concen: 44.043 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 43 Resp: 11662

Ion	Ratio	Lower	Upper
43	100		
72	23.6	23.7	35.5#

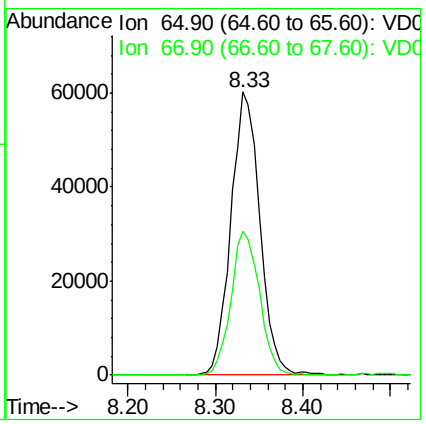




#33
1,2-Dichloroethane-d4
Concen: 81.103 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 65 Resp: 134519

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	103.8



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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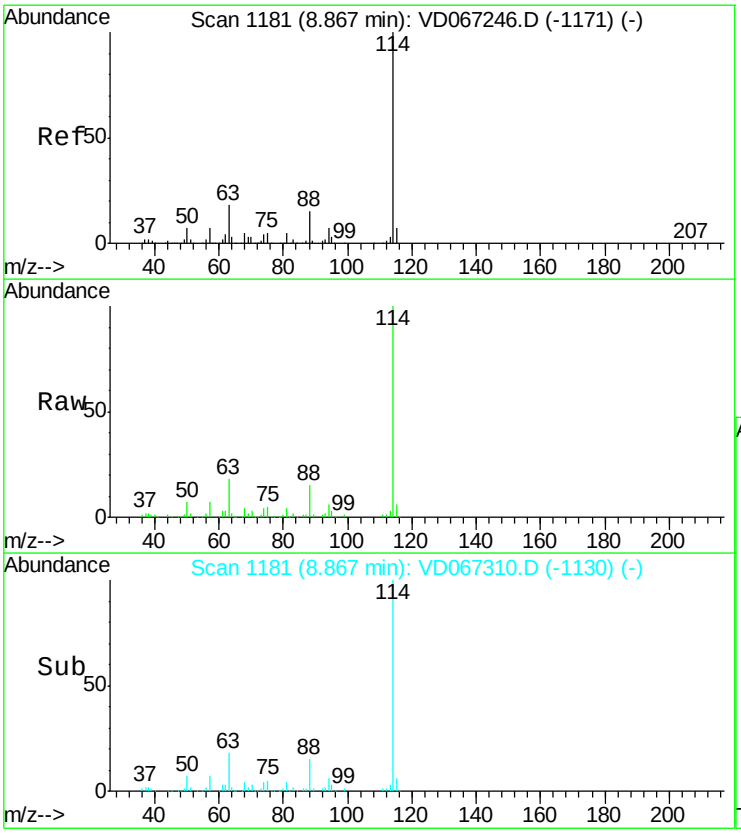
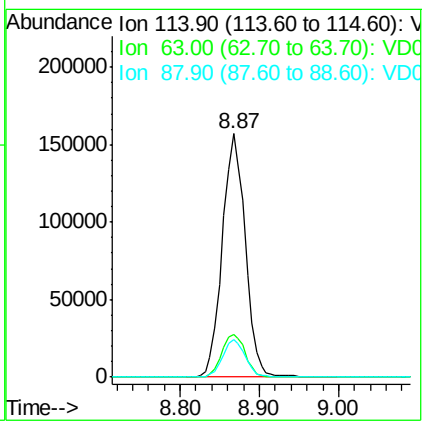
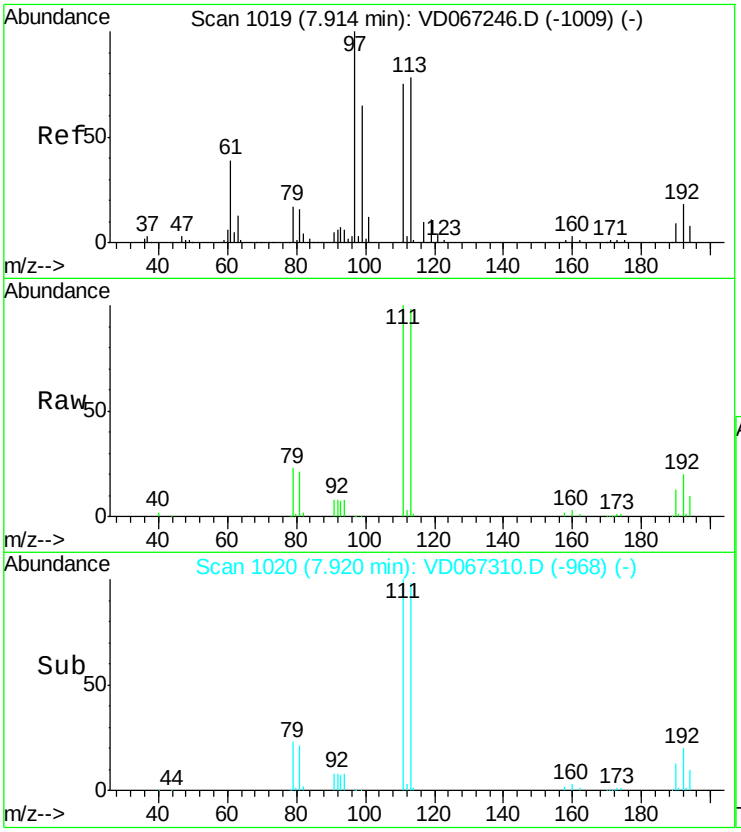


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:114 Resp: 315376

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.0
88	15.4	0.0	30.6

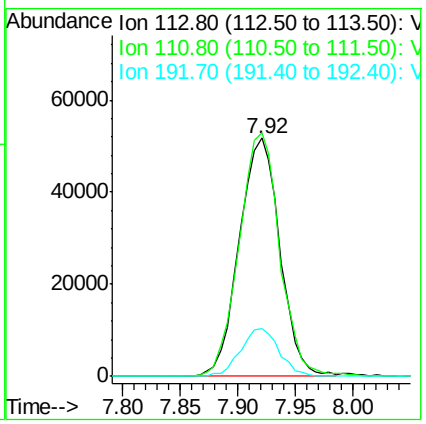




#35
Dibromofluoromethane
Concen: 60.376 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:113 Resp: 126719

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	19.2	17.0	25.4



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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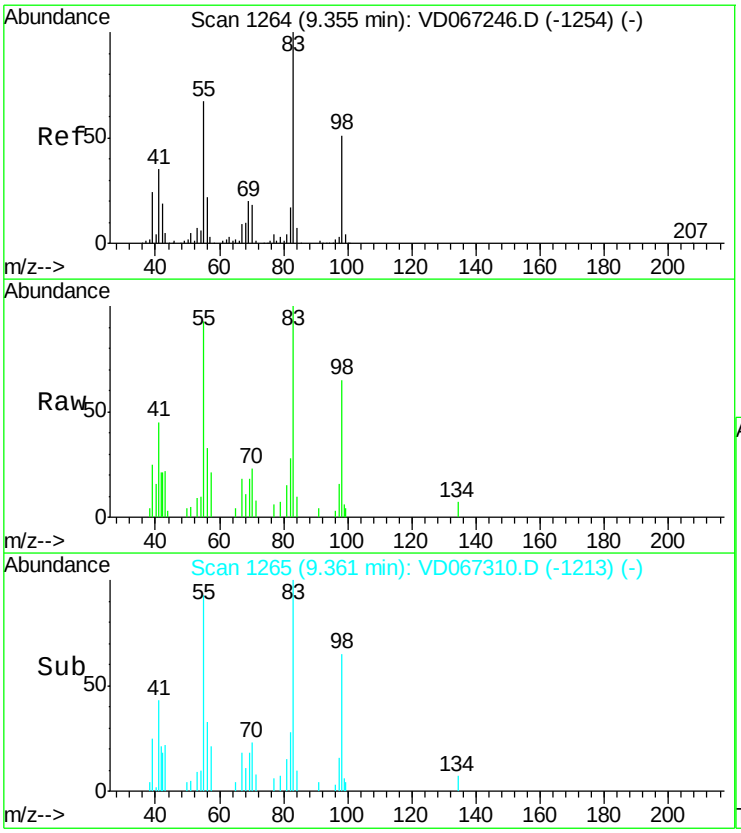
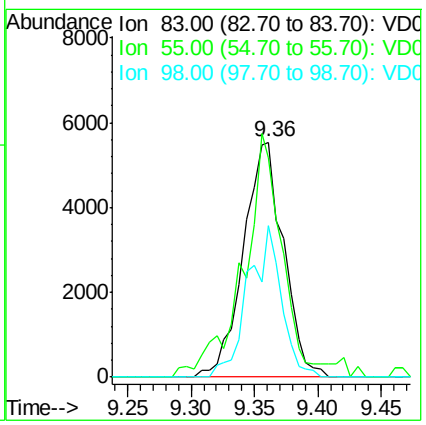
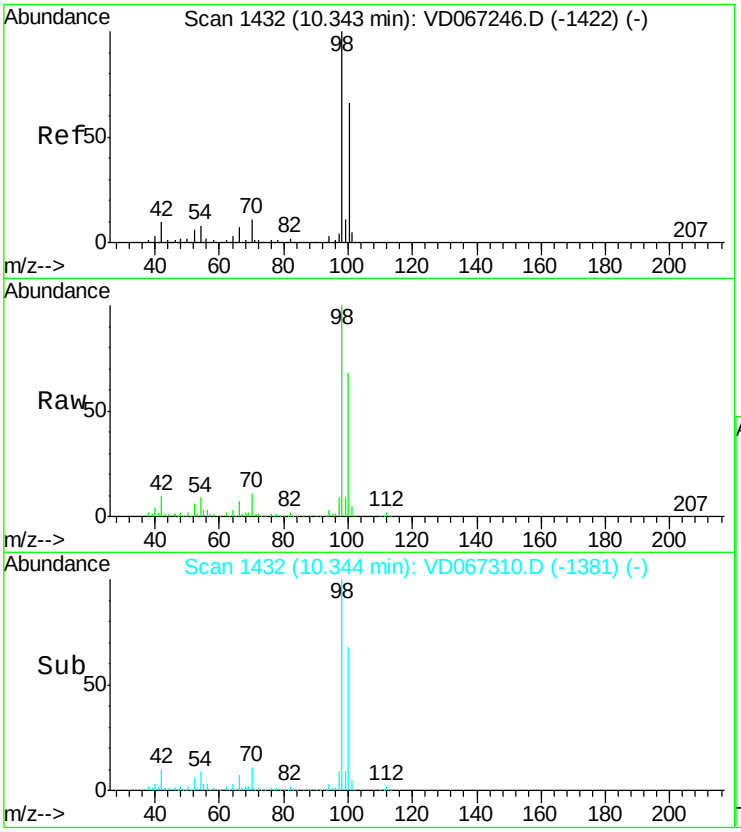


#39
Methylcyclohexane
Concen: 4.378 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 83 Resp: 12234

Ion	Ratio	Lower	Upper
83	100		
55	88.7	53.3	79.9#
98	64.5	41.0	61.4#





#50
Toluene-d8
Concen: 37.715 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 98 Resp: 286467

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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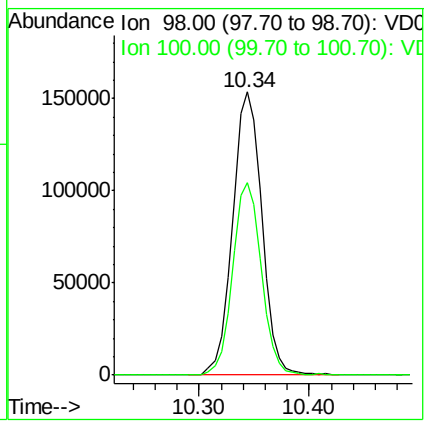
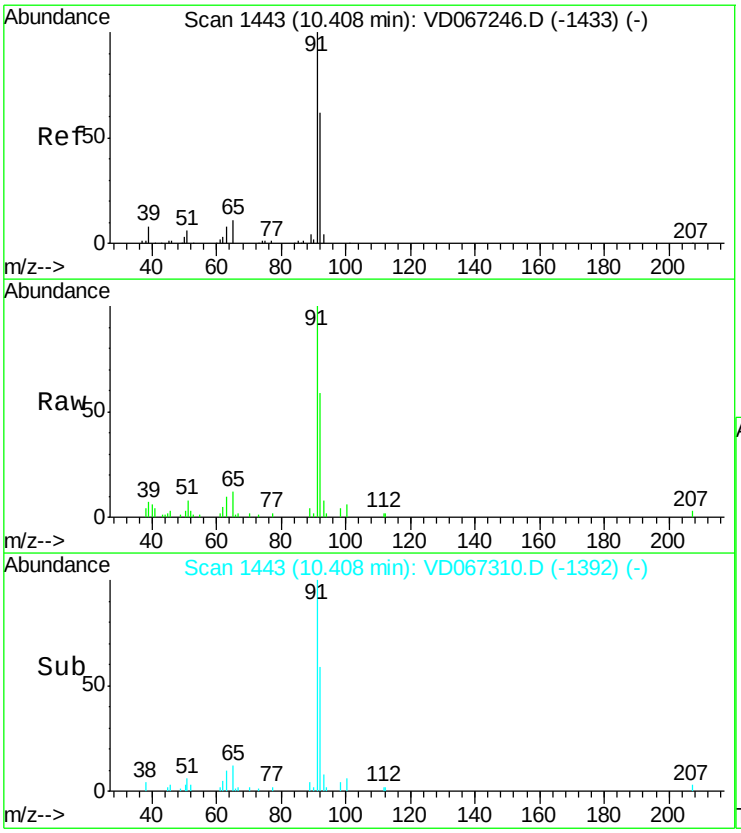
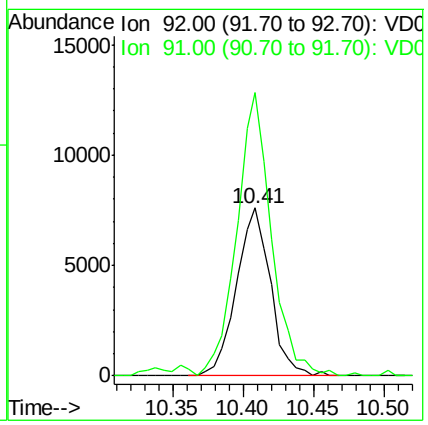


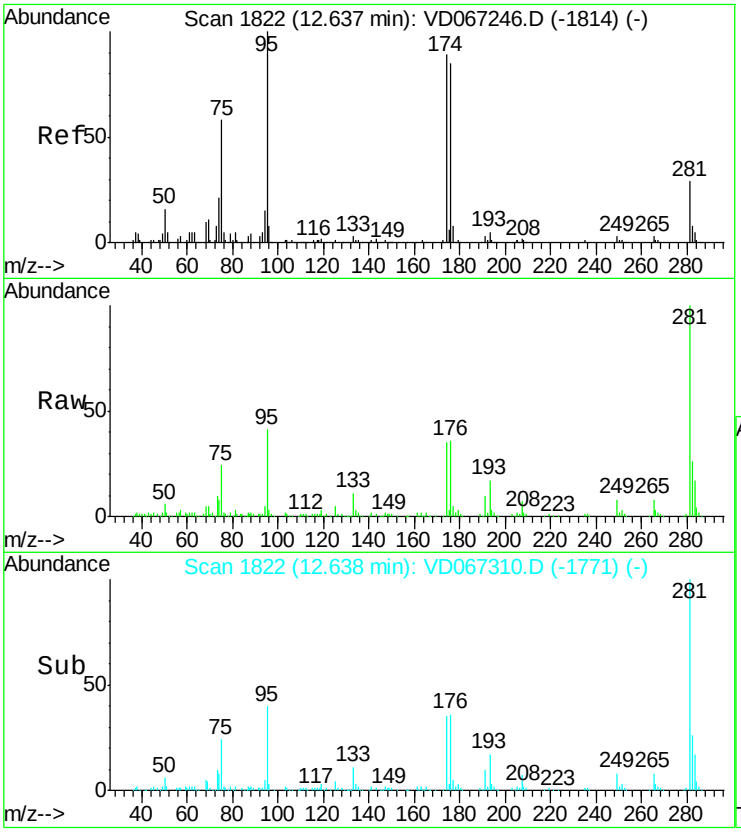


#52
Toluene
Concen: 2.566 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 92 Resp: 12814

Ion	Ratio	Lower	Upper
92	100		
91	171.1	133.8	200.8





#62
4-Bromofluorobenzene
Concen: 25.711 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 95 Resp: 67906

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	175.2
176	83.7	0.0	168.6

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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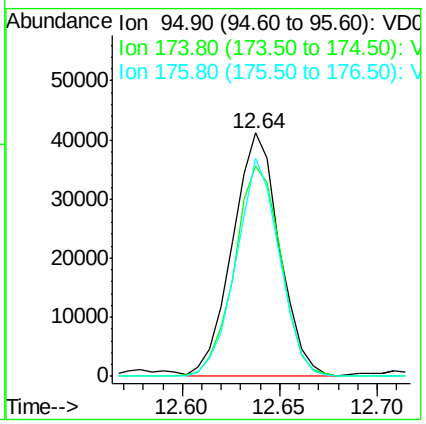
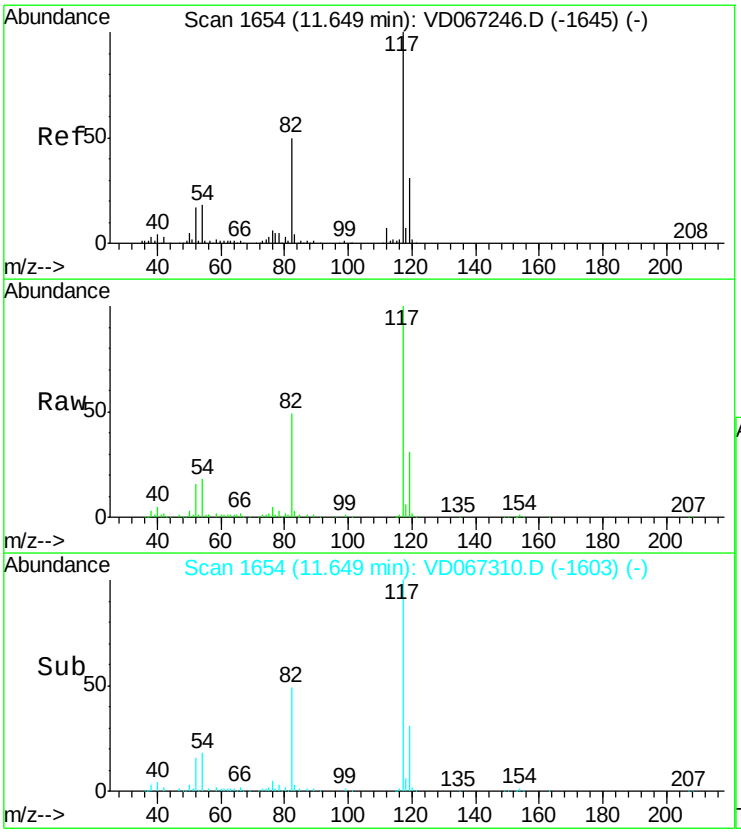
10/20/2020 4:51:06 PM

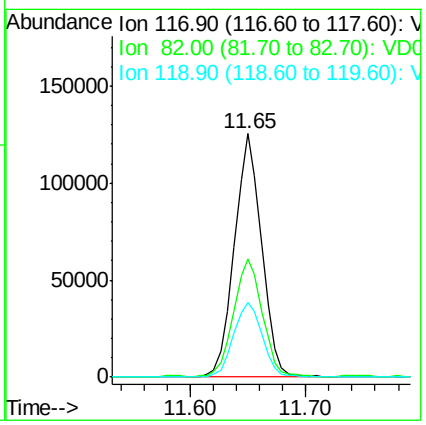


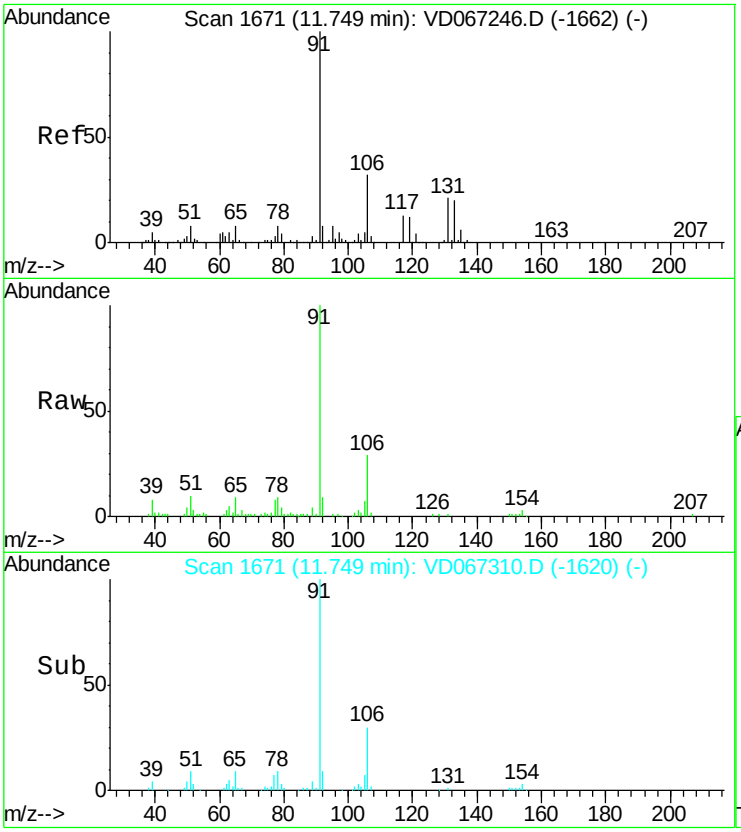


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:117 Resp: 204538

Ion	Ratio	Lower	Upper
117	100		
82	48.5	39.9	59.9
119	30.6	24.9	37.3

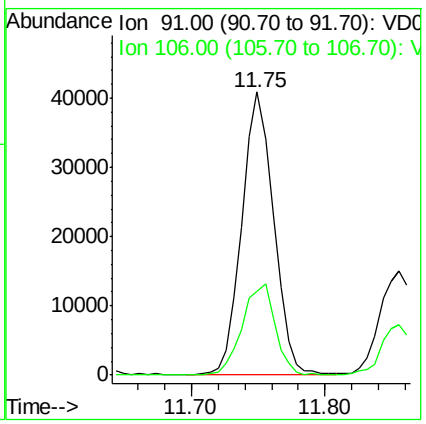




#67
Ethyl Benzene
Concen: 10.041 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 91 Resp: 67509

Ion	Ratio	Lower	Upper
91	100		
106	29.4	25.4	38.0



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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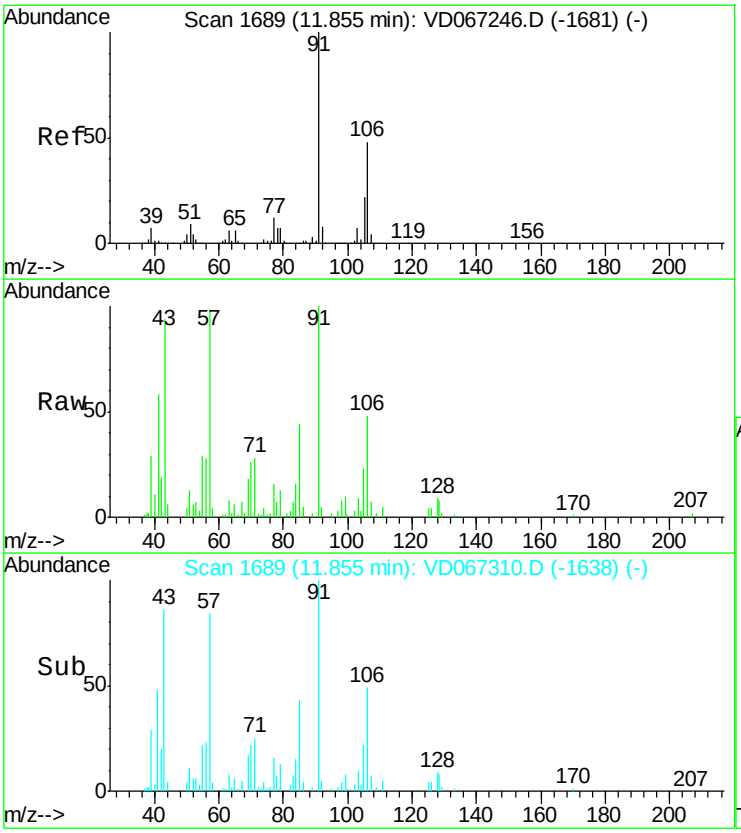
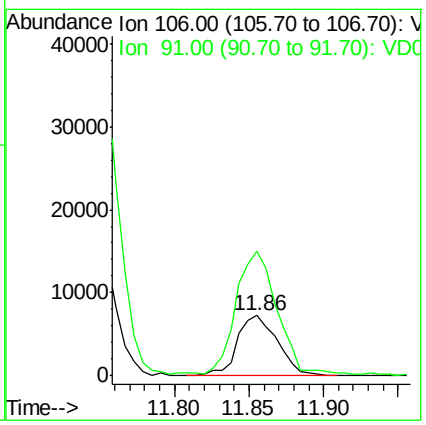
10/20/2020 4:51:06 PM

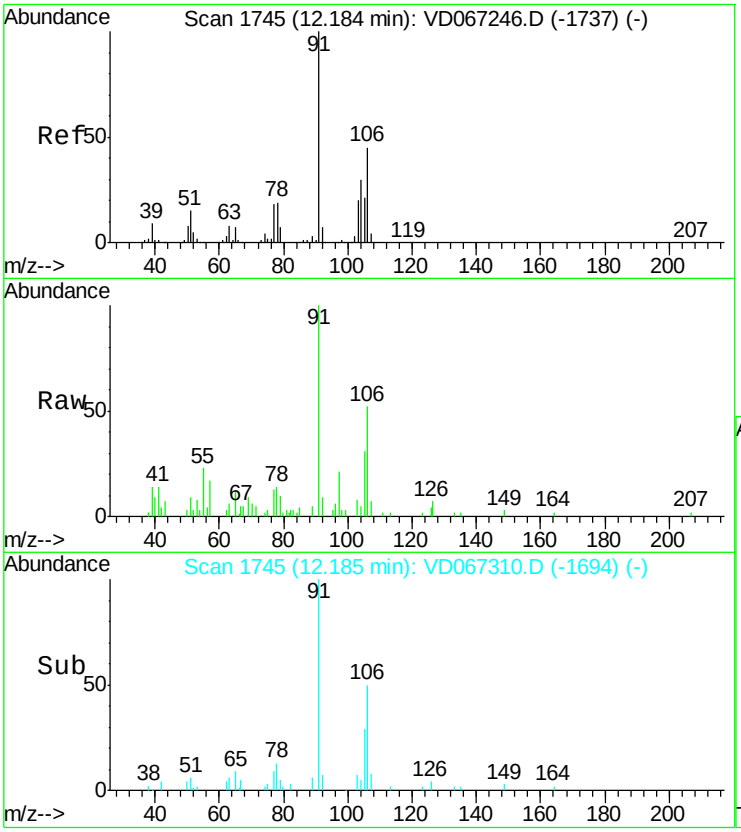


#68
m/p-Xylenes
Concen: 5.244 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:106 Resp: 13578

Ion	Ratio	Lower	Upper
106	100		
91	209.2	163.8	245.8





#69
o-Xylene
Concen: 4.269 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:106 Resp: 10235

Ion	Ratio	Lower	Upper
106	100		
91	222.0	109.1	327.3

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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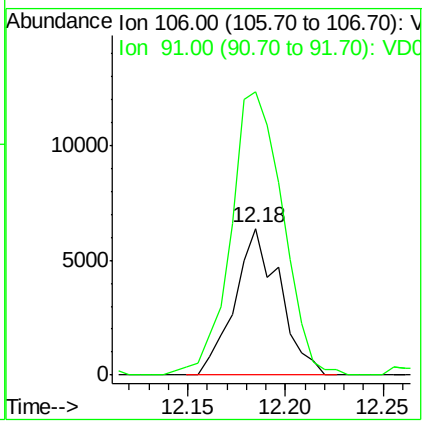
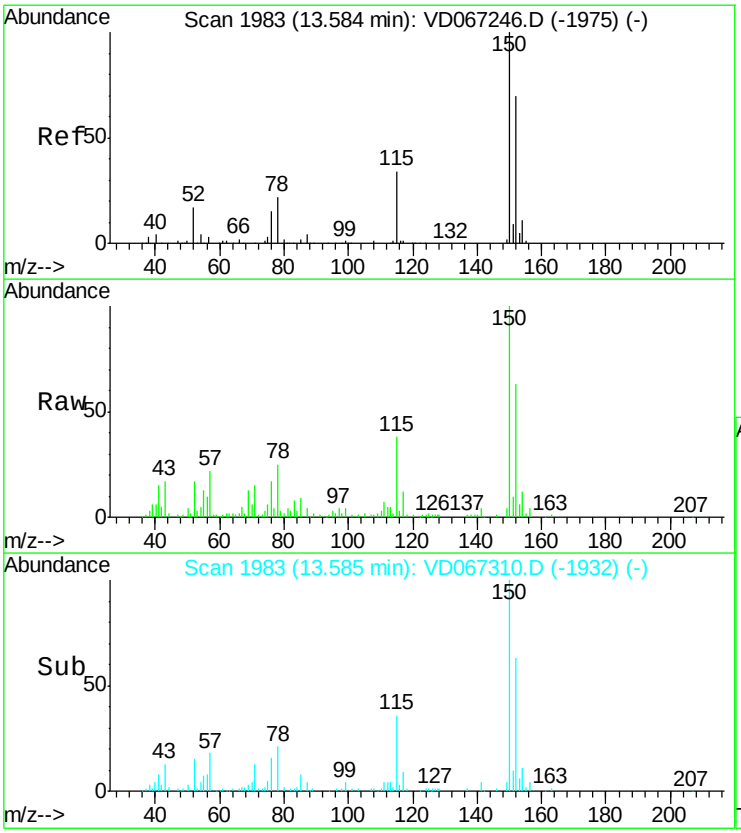
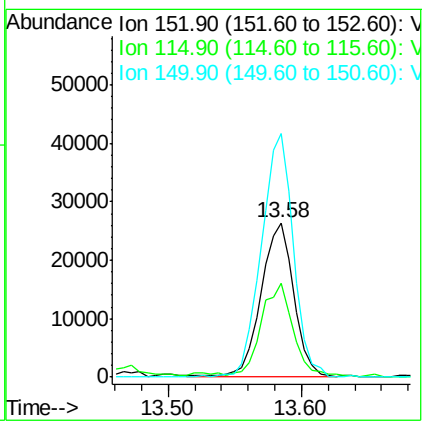


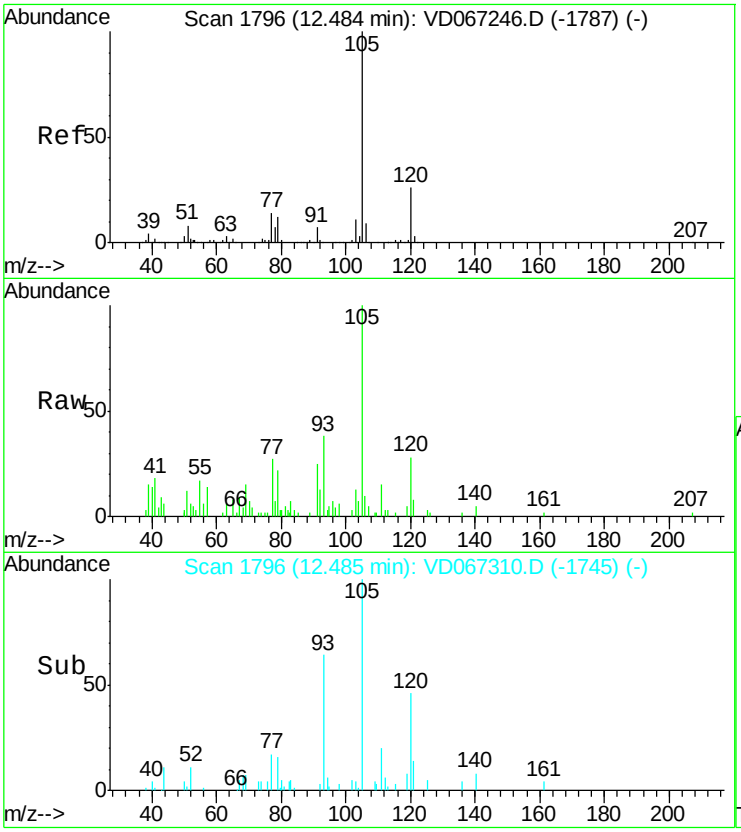


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:152 Resp: 45143

Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.3	87.9
150	153.2	0.0	339.0





#73
Isopropylbenzene
Concen: 5.160 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:105 Resp: 14785

Ion	Ratio	Lower	Upper
105	100		
120	24.7	13.3	39.8

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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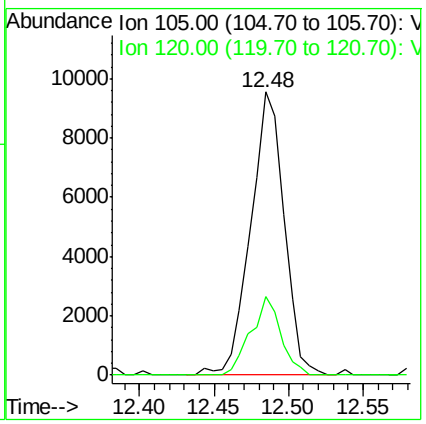
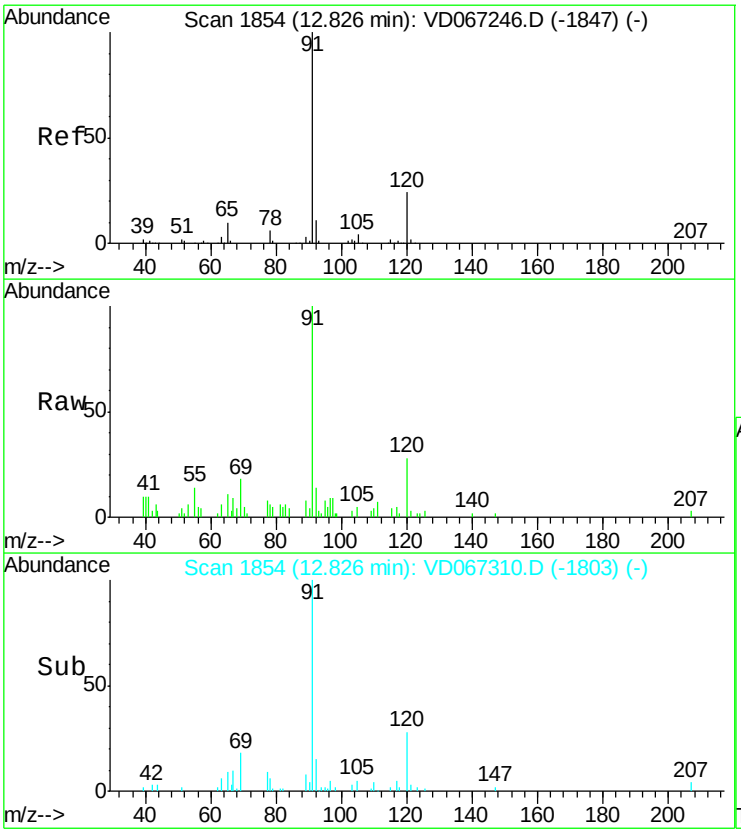
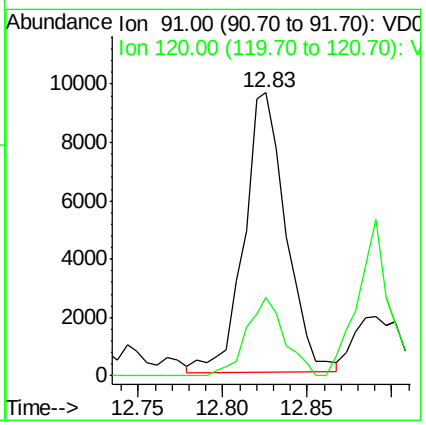


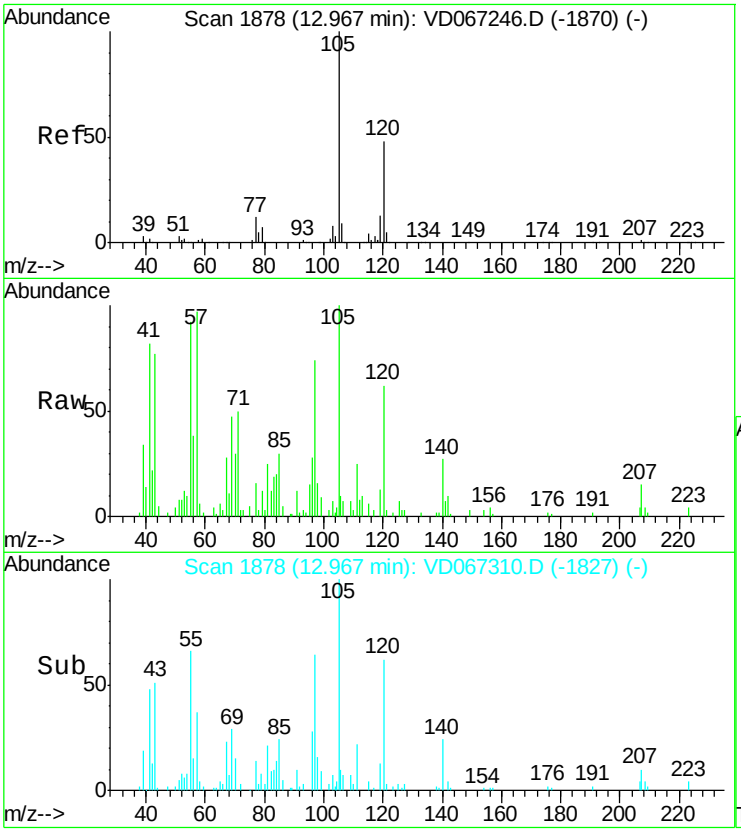


#78
n-propylbenzene
Concen: 4.954 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 91 Resp: 16444

Ion	Ratio	Lower	Upper
91	100		
120	25.8	11.9	35.9

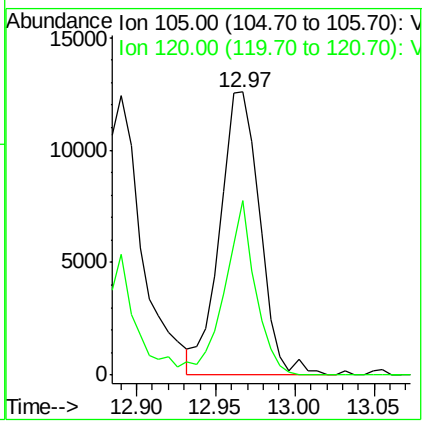




#80
1,3,5-Trimethylbenzene
Concen: 8.813 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:105 Resp: 21941

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.3	72.8



Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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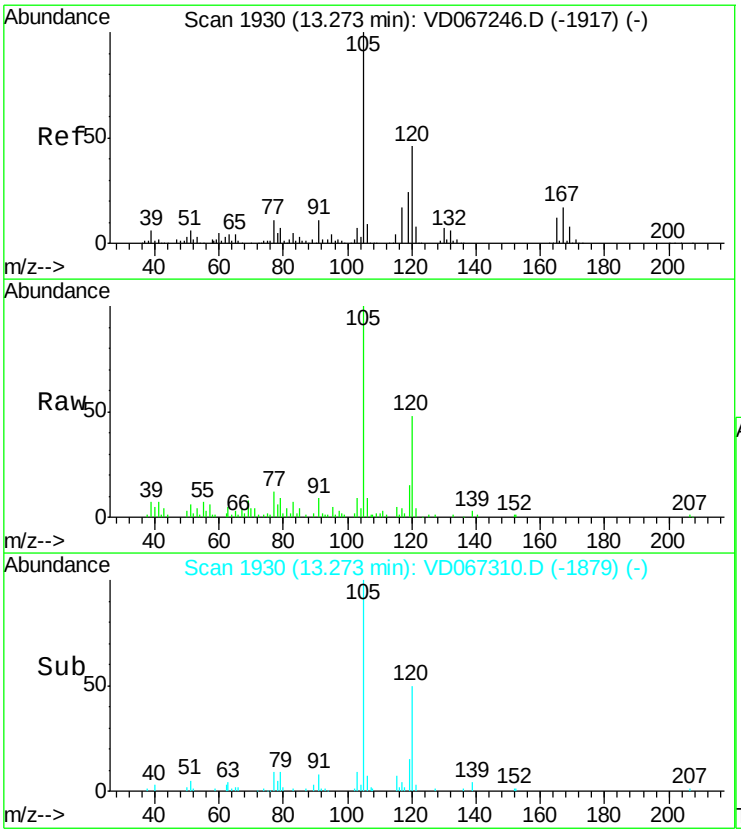
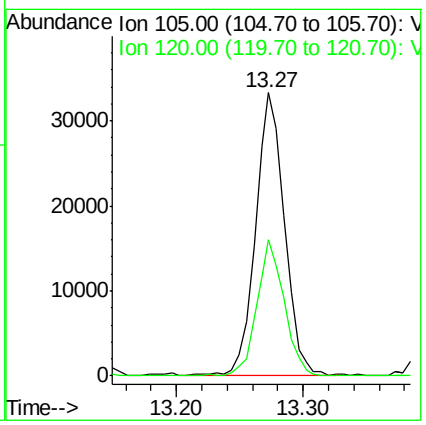
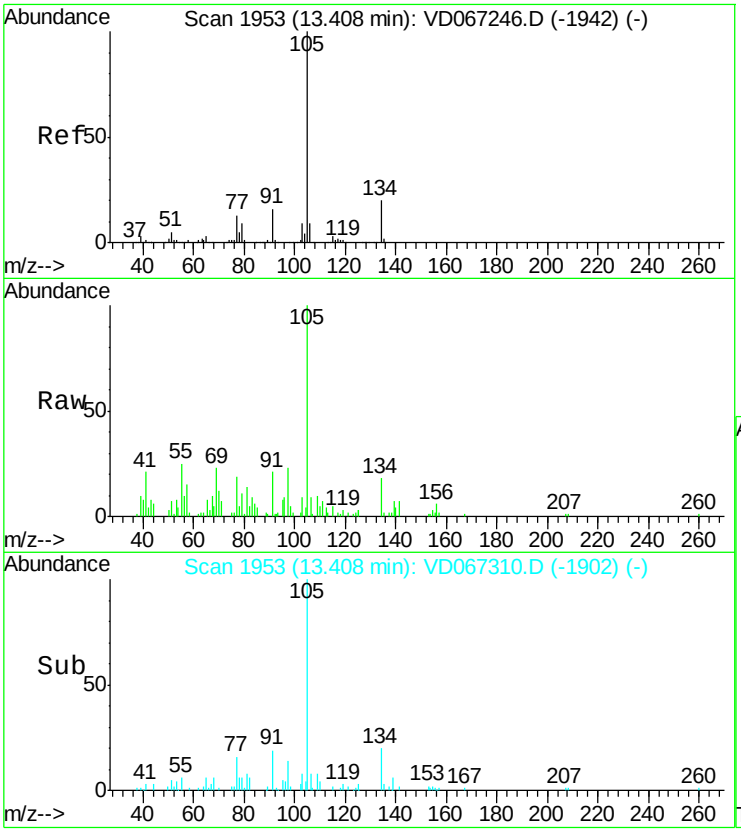


#84
1,2,4-Trimethylbenzene
Concen: 21.489 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:105 Resp: 52881

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85
sec-Butylbenzene
Concen: 9.122 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:105 Resp: 26325

Ion	Ratio	Lower	Upper
105	100		
134	24.0	10.5	31.5

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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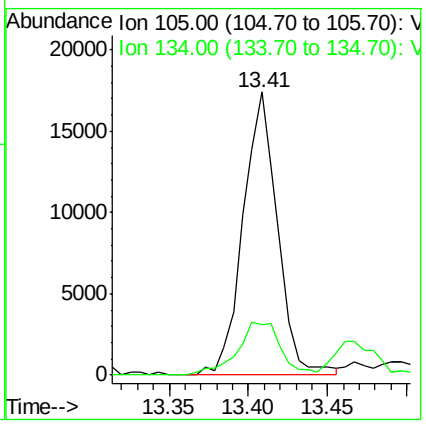
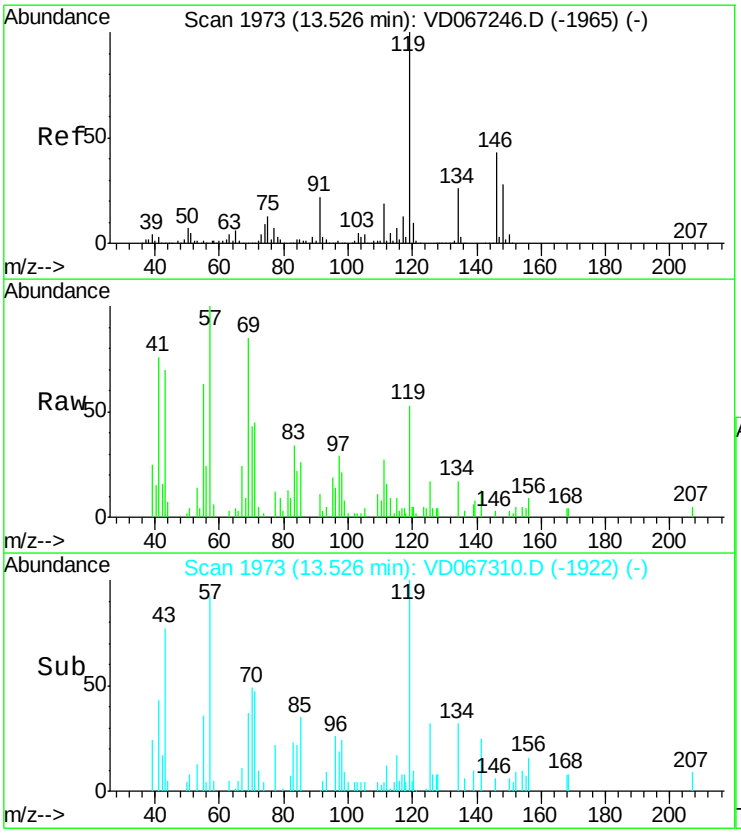
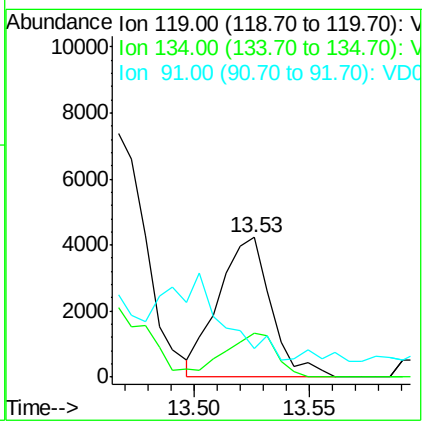


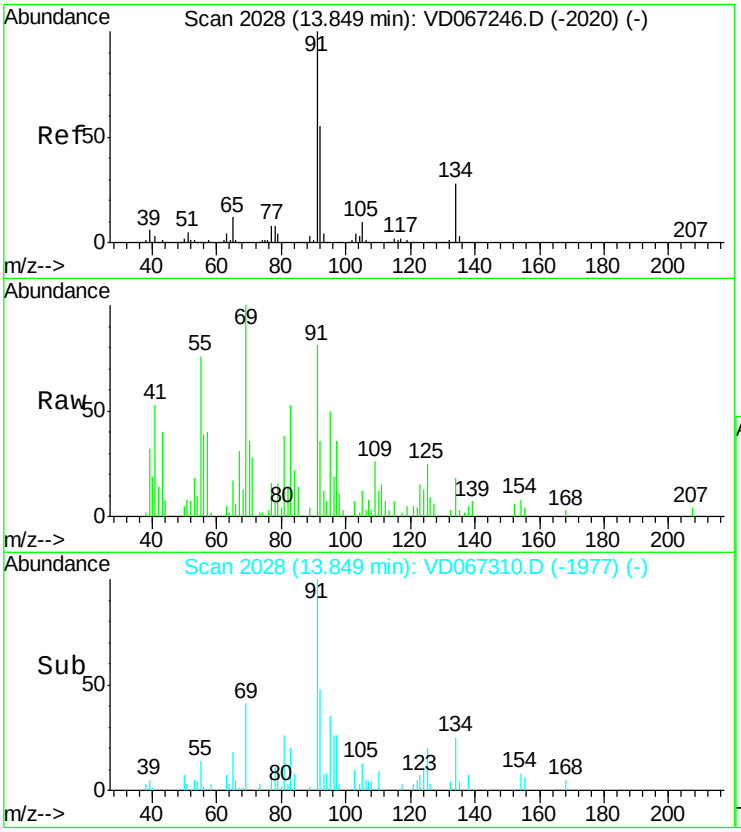


#86
p-Isopropyltoluene
Concen: 2.474 ug/l m
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:119 Resp: 6738

Ion	Ratio	Lower	Upper
119	100		
134	57.6	13.1	39.3#
91	30.9	11.9	35.9





#89
n-Butylbenzene
Concen: 3.850 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion: 91 Resp: 9225

Ion	Ratio	Lower	Upper
91	100		
92	57.8	26.7	80.0
134	0.0	14.2	42.6#

Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

Manual Integrations APPROVED
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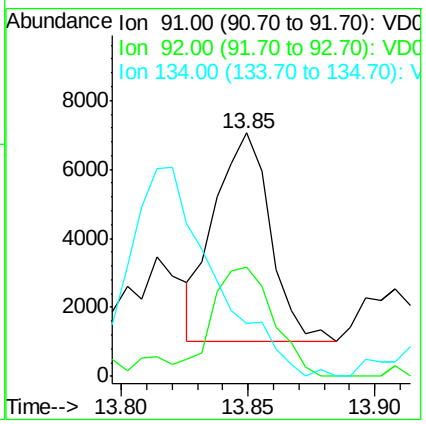

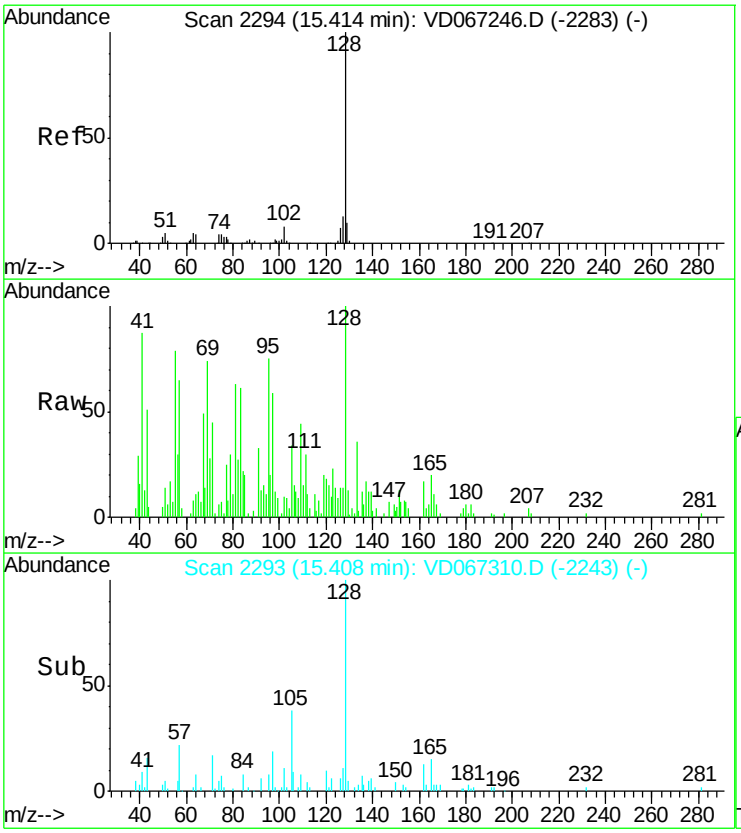

#95
Naphthalene
Concen: 15.467 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067310.D
Acq: 19 Oct 2020 16:01

Tgt Ion:128 Resp: 20564

Ion	Ratio	Lower	Upper
128	100		
127	22.4	10.4	15.6#
129	15.0	8.6	12.8#