Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
MMDadoda
1/29/2020 12:56:04 PM

Quant Time: Jan 29 02:48:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.99	168	414488	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.87	114	672169	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.65	117	594726	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219742	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.34	65	198076	49.82	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.64%				
35) Dibromofluoromethane	7.92	113	214999	50.90	ug/l		0.00
Spiked Amount 50.000			Recovery = 101.80%				
50) Toluene-d8	10.34	98	809518	49.65	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.30%				
62) 4-Bromofluorobenzene	12.64	95	234544	47.01	ug/l		0.00
Spiked Amount 50.000			Recovery = 94.02%				
Target Compounds							Qvalue
7) Trichlorofluoromethane	3.27	101	8941	1.101	ug/l		92
16) Acetone	4.17	43	44874	52.893	ug/l		98
25) 2-Butanone	7.23	43	14246	13.263	ug/l	#	88
65) Chlorobenzene	11.67	112	134884	11.170	ug/l		95
67) Ethyl Benzene	11.75	91	575418	26.842	ug/l		99
68) m/p-Xylenes	11.86	106	54543	6.608	ug/l		95
69) o-Xylene	12.18	106	70480	9.621	ug/l		98
73) Isopropylbenzene	12.48	105	464546	30.930	ug/l		99
78) n-propylbenzene	12.83	91	154372	8.643	ug/l		99
80) 1,3,5-Trimethylbenzene	12.97	105	228293	18.548	ug/l		100
83) tert-Butylbenzene	13.23	119	14221	1.362	ug/l		88
84) 1,2,4-Trimethylbenzene	13.28	105	1126083	90.316	ug/l		100
85) sec-Butylbenzene	13.41	105	31853m	2.154	ug/l		
86) p-Isopropyltoluene	13.53	119	205515	14.850	ug/l		97
88) 1,4-Dichlorobenzene	13.61	146	64438	9.208	ug/l		90
89) n-Butylbenzene	13.85	91	43402m	3.437	ug/l		
91) 1,2-Dichlorobenzene	13.90	146	24403	4.077	ug/l	#	51
95) Naphthalene	15.41	128	16180993	2421.098	ug/l		96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
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QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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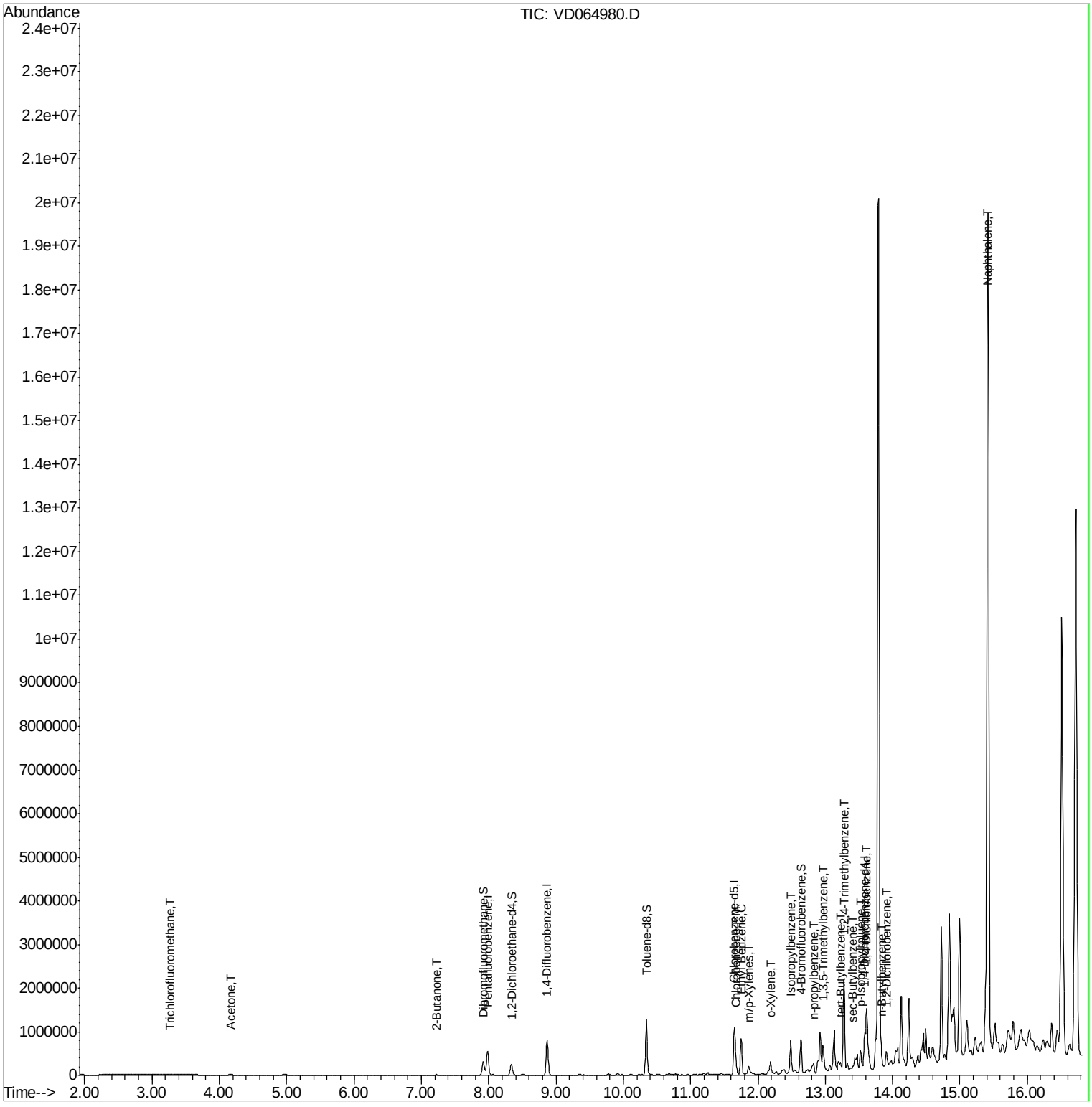
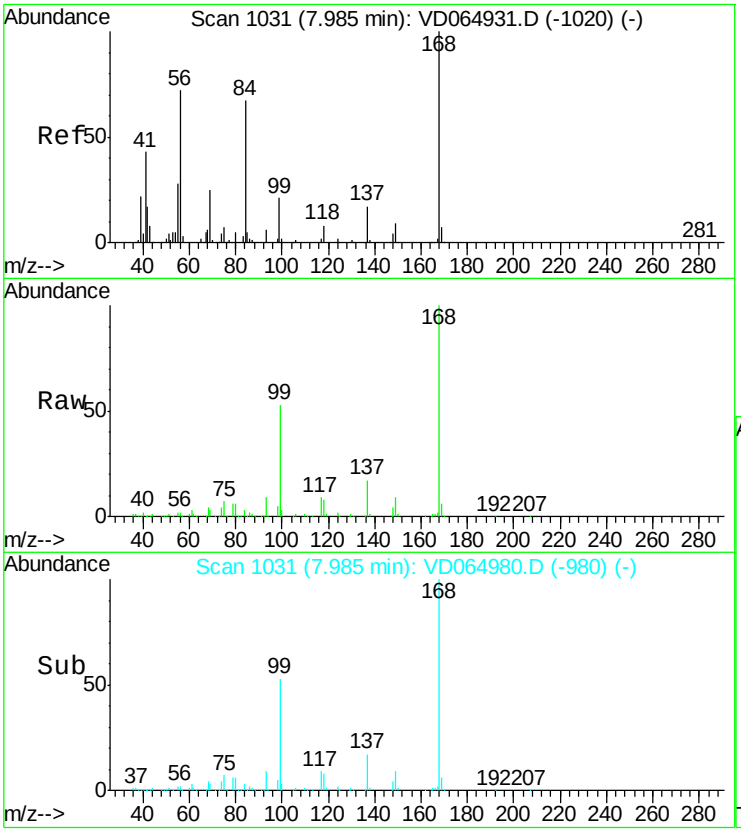
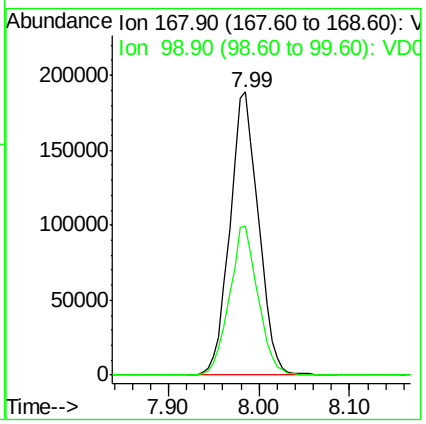




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:168 Resp: 414488

Ion	Ratio	Lower	Upper
168	100		
99	52.6	43.3	64.9



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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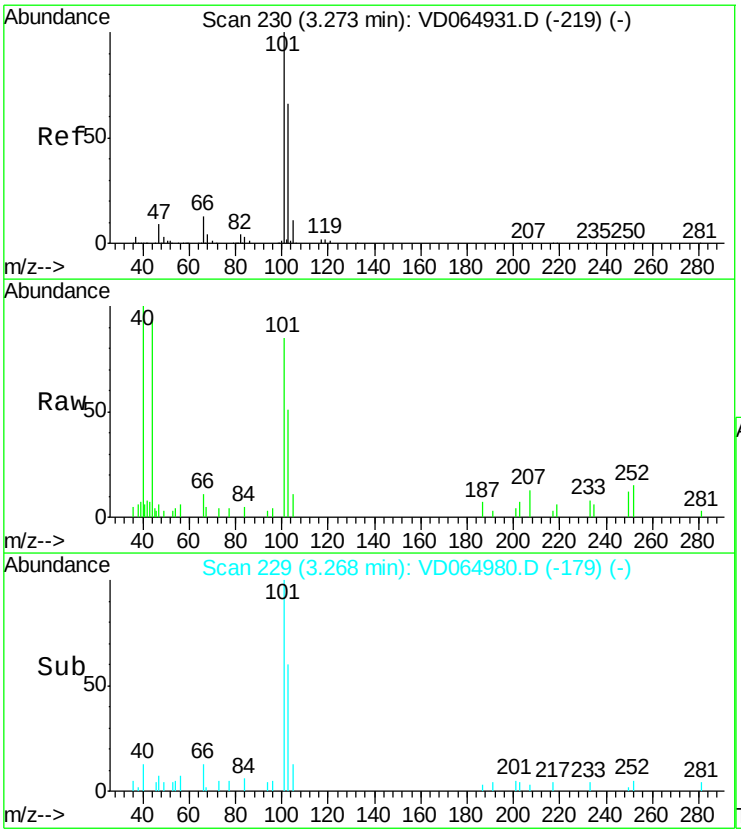
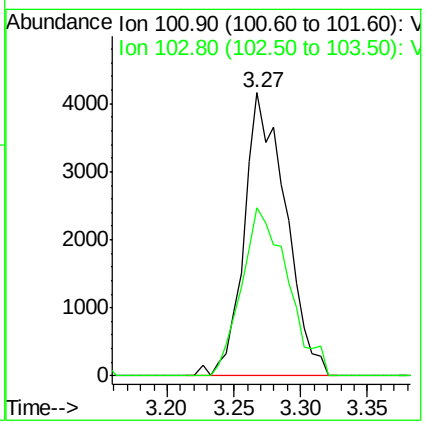
1/29/2020 12:56:04 PM

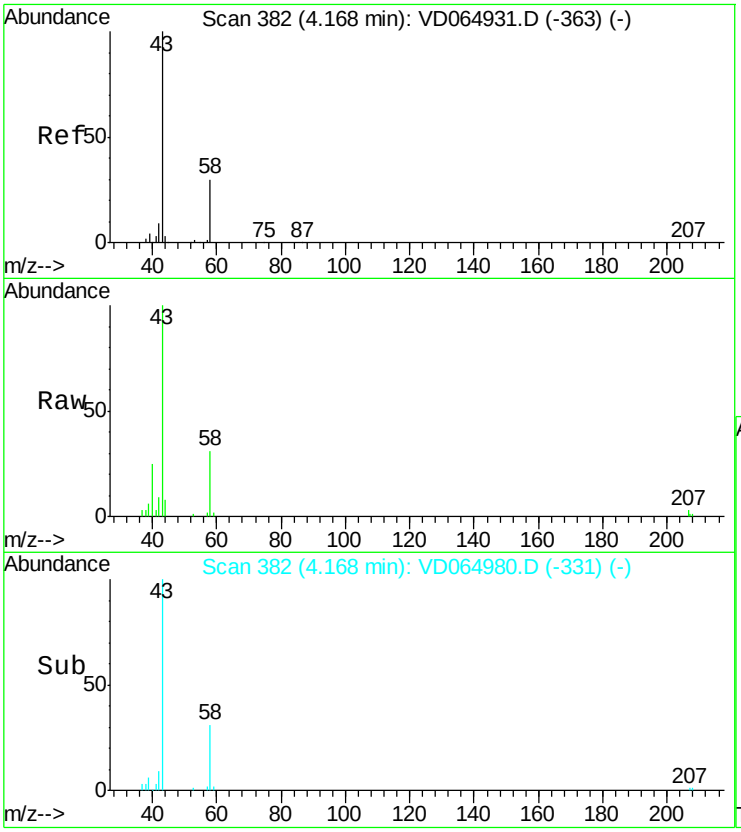


#7
Trichlorofluoromethane
Concen: 1.101 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:101 Resp: 8941

Ion	Ratio	Lower	Upper
101	100		
103	59.6	52.5	78.7

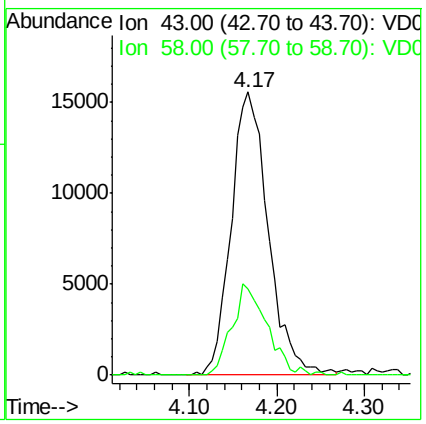




#16
Acetone
Concen: 52.893 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 43 Resp: 44874

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.8



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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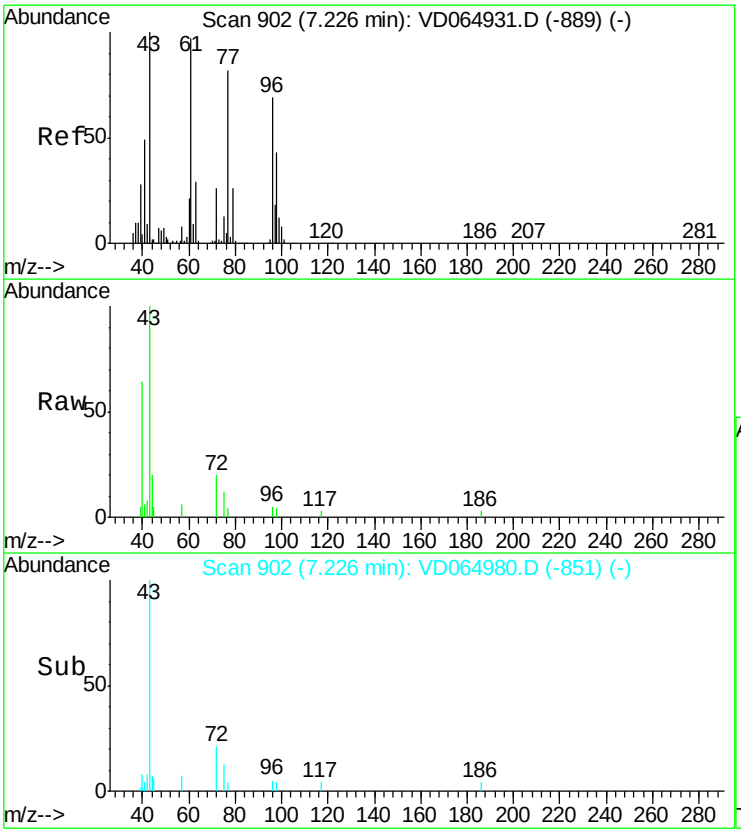
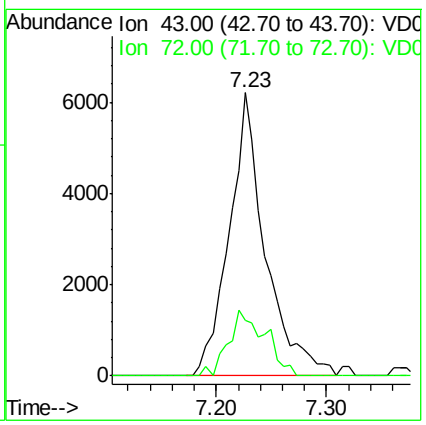
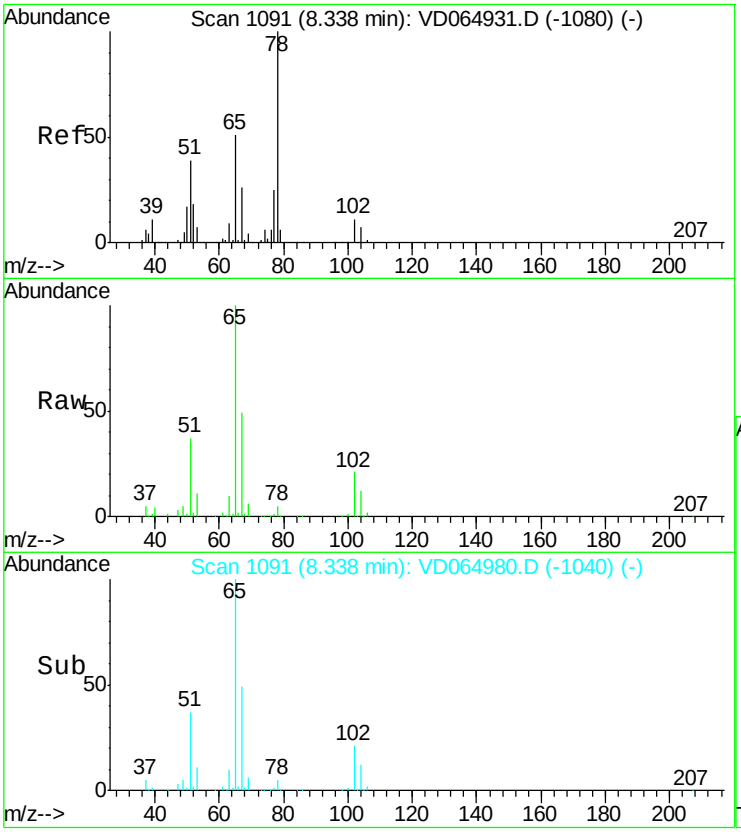


#25
2-Butanone
Concen: 13.263 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 43 Resp: 14246

Ion	Ratio	Lower	Upper
43	100		
72	19.7	20.6	31.0#

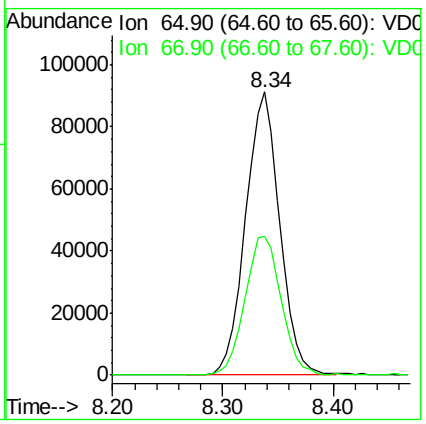




#33
1,2-Dichloroethane-d4
Concen: 49.820 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 65 Resp: 198076

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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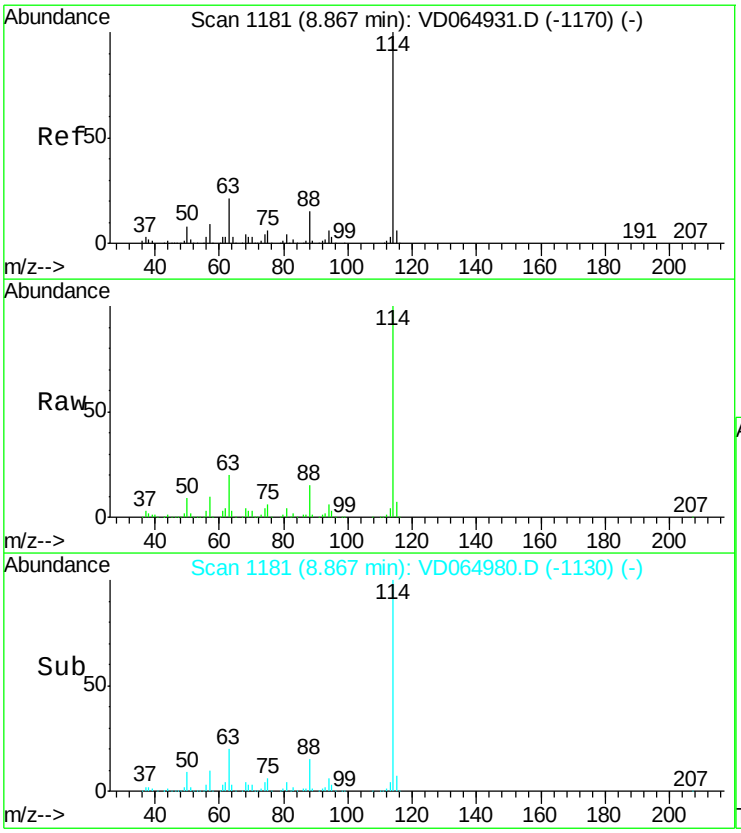
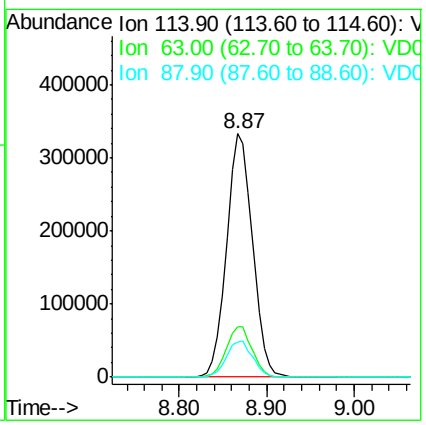
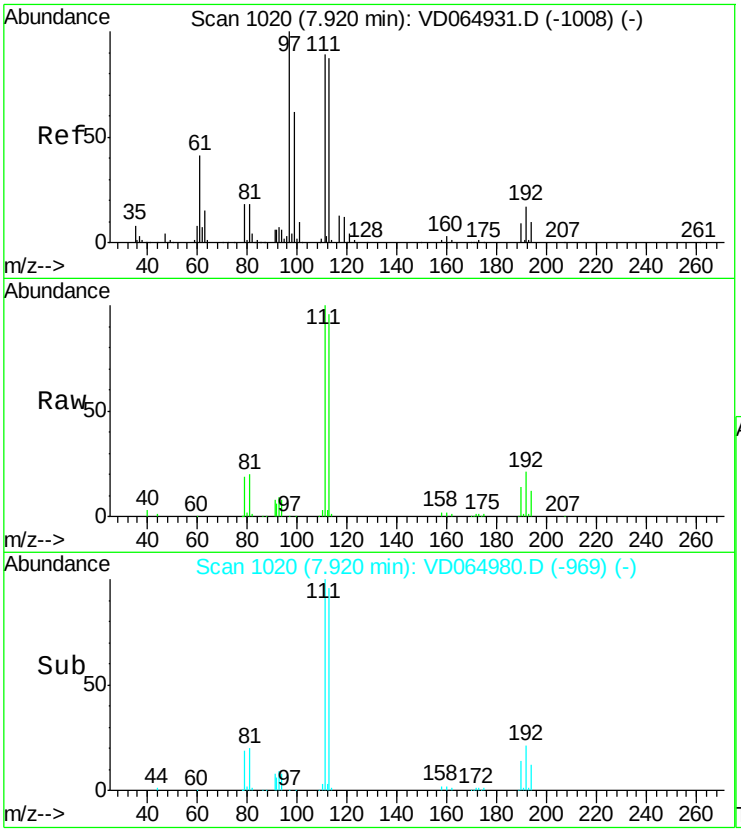


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:114 Resp: 672169

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.0
88	14.6	0.0	29.4

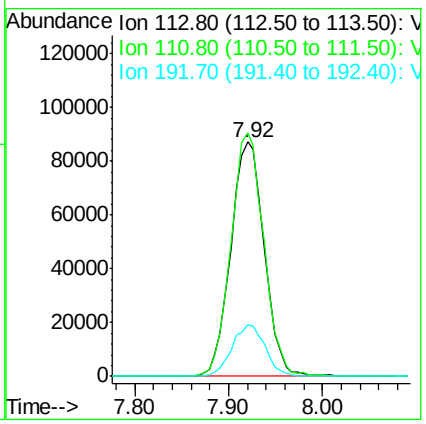




#35
Dibromofluoromethane
Concen: 50.899 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:113 Resp: 214999

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	21.8	16.9	25.3



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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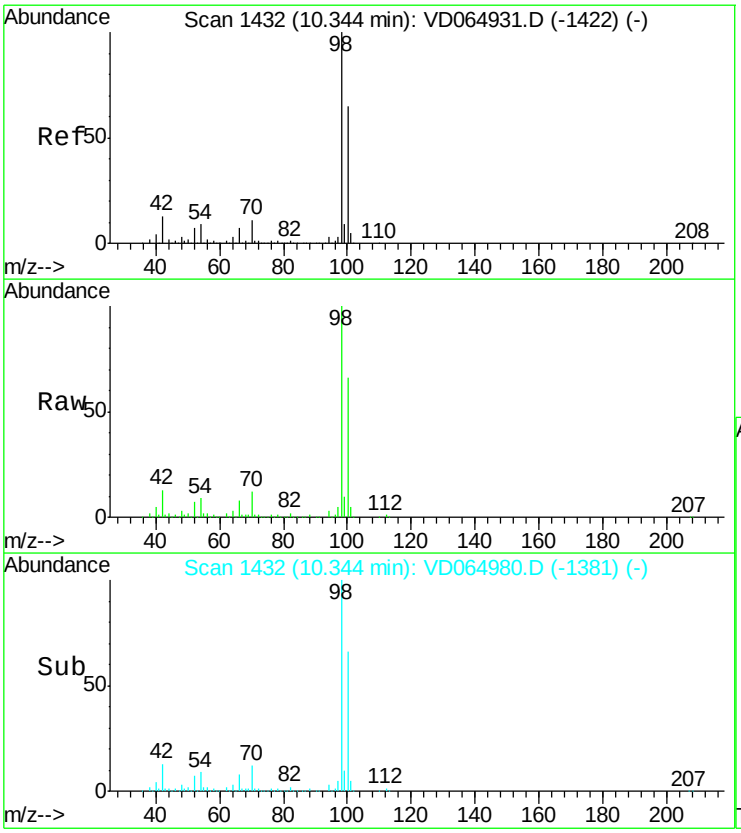
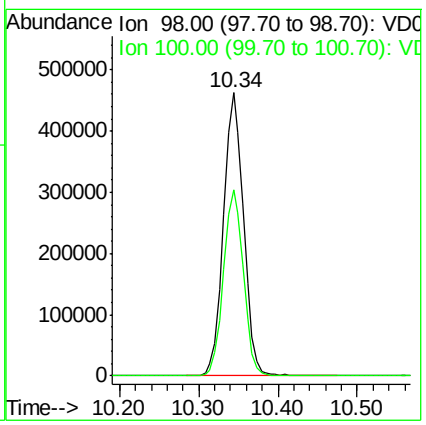
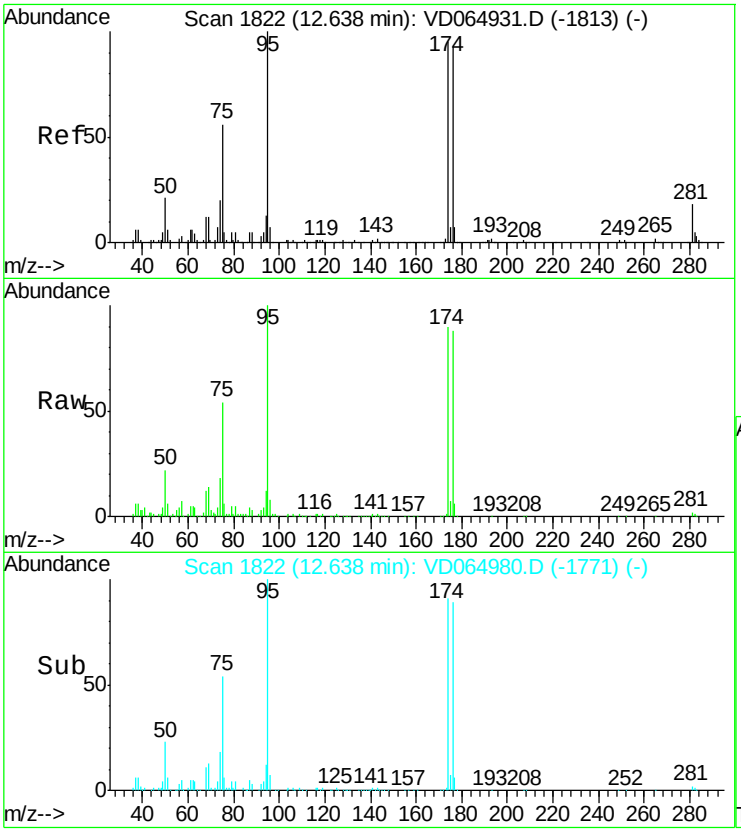


#50
Toluene-d8
Concen: 49.654 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 98 Resp: 809518

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





#62
4-Bromofluorobenzene
Concen: 47.012 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 95 Resp: 234544

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	186.8
176	89.4	0.0	183.4

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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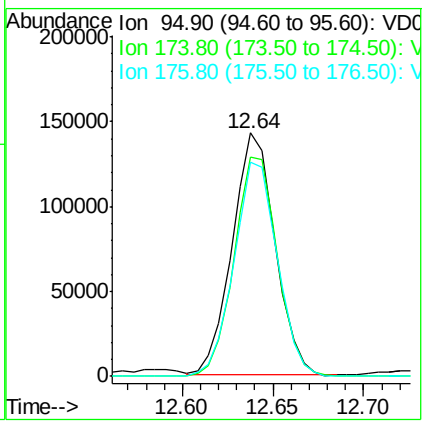
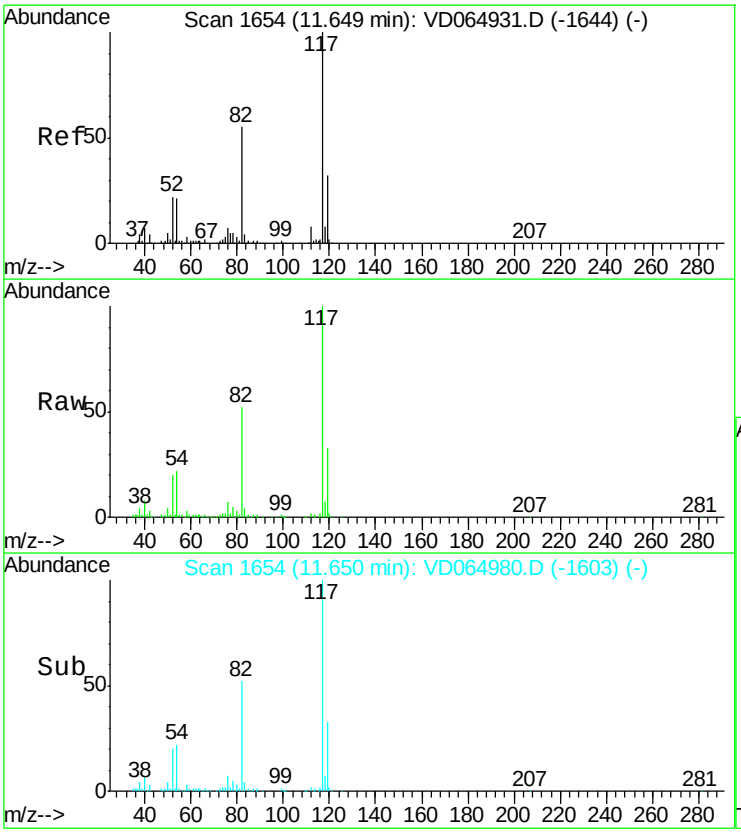
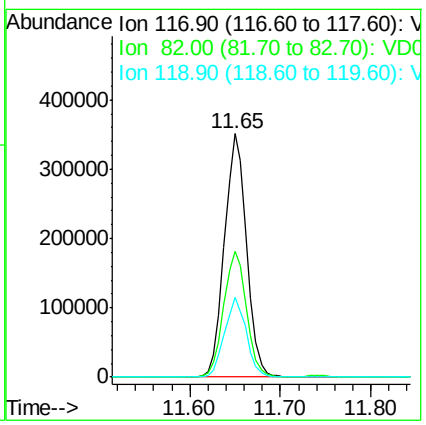


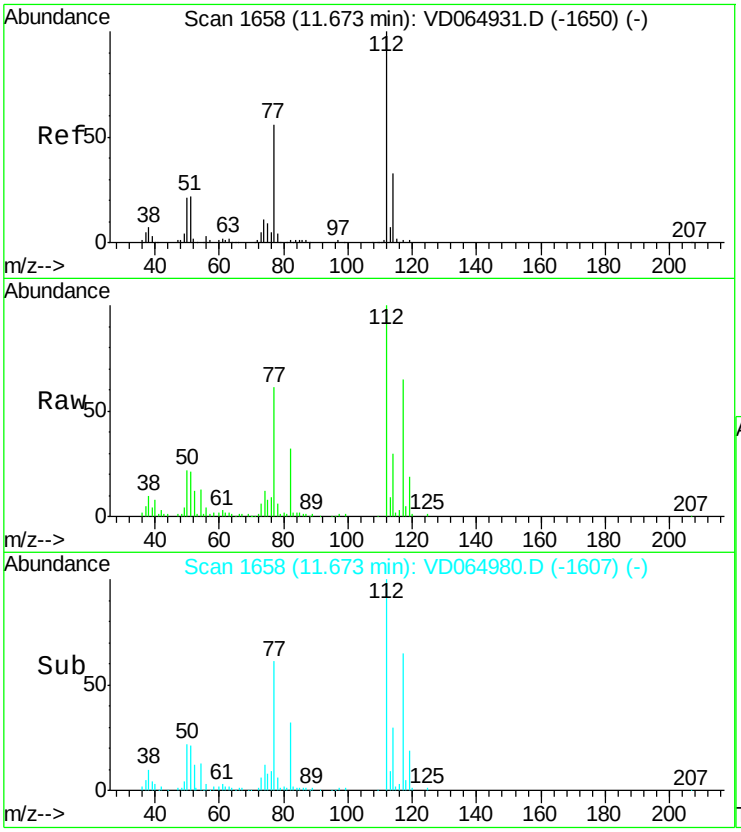


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:117 Resp: 594726

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.6	65.4
119	32.9	25.2	37.8





#65
Chlorobenzene
Concen: 11.170 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:112 Resp: 134884

Ion	Ratio	Lower	Upper
112	100		
114	29.8	26.2	39.4

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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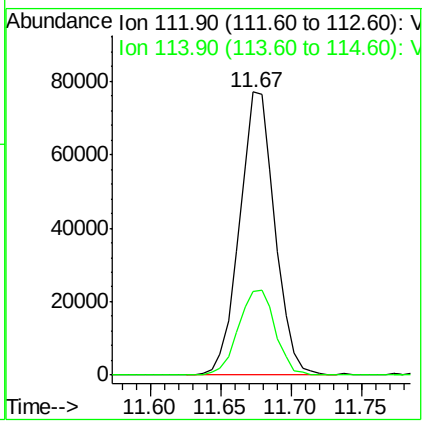
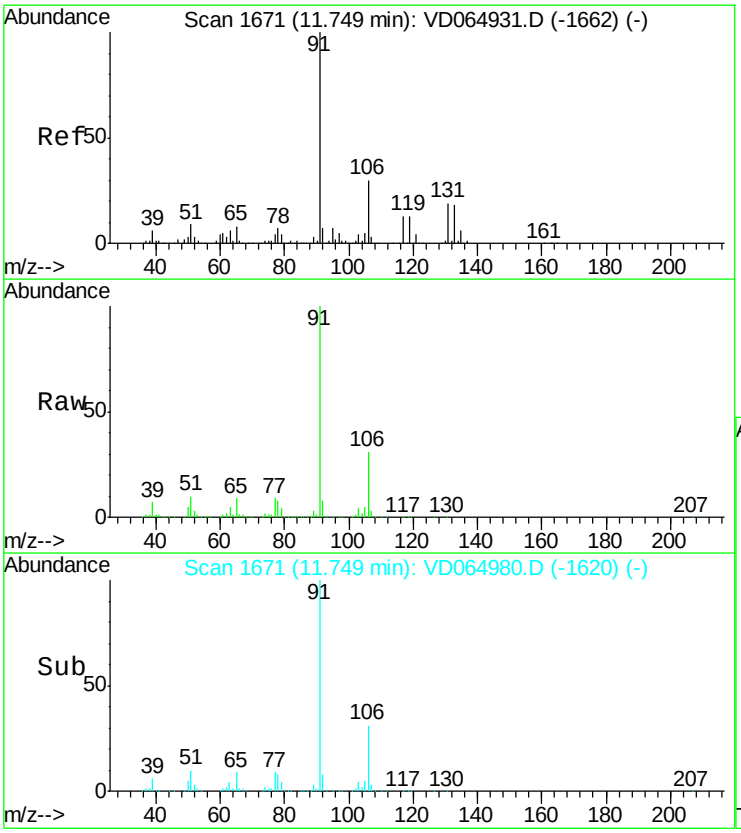
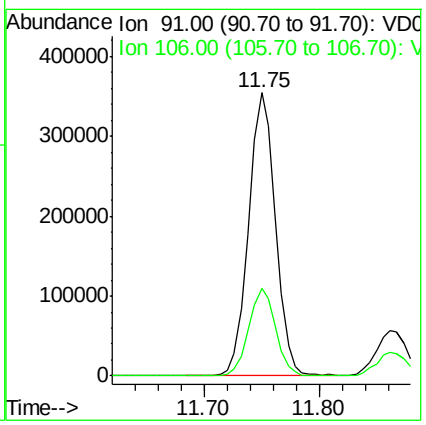


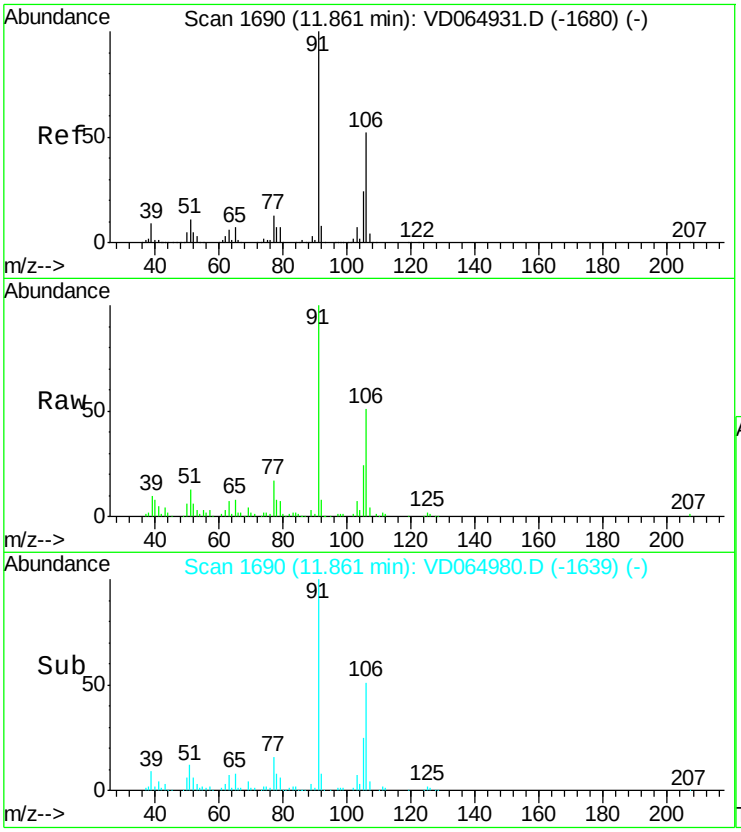


#67
Ethyl Benzene
Concen: 26.842 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 91 Resp: 575418

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5





#68
m/p-Xylenes
Concen: 6.608 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:106 Resp: 54543

Ion	Ratio	Lower	Upper
106	100		
91	190.8	159.0	238.4

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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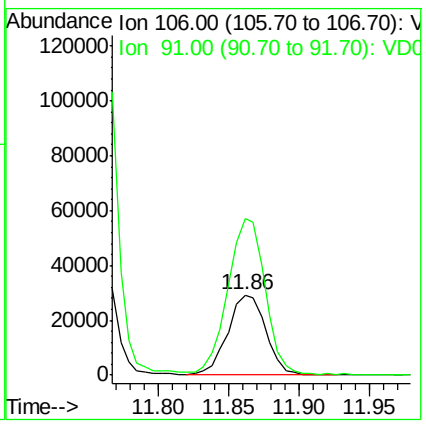
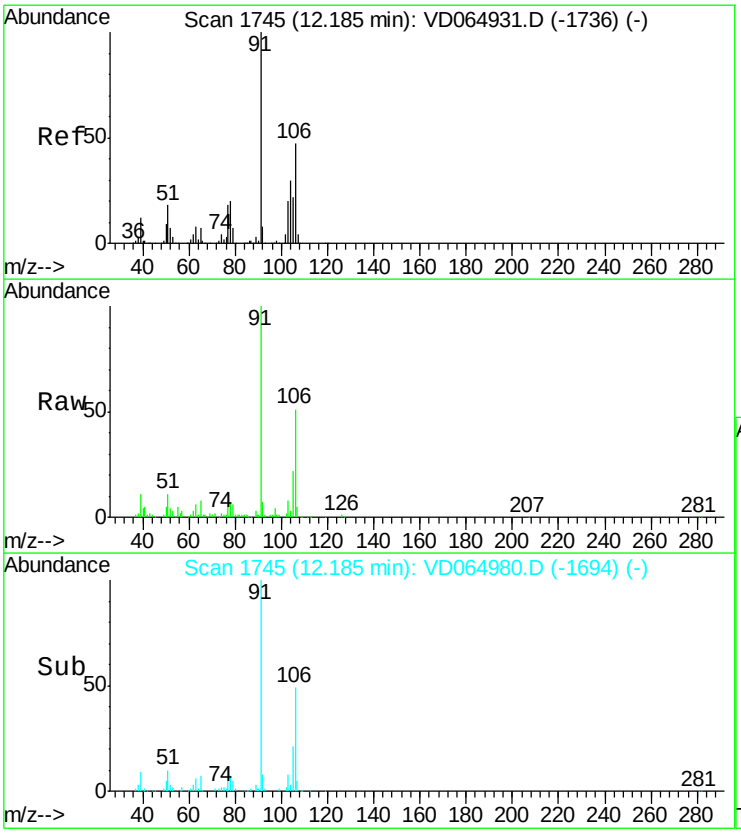
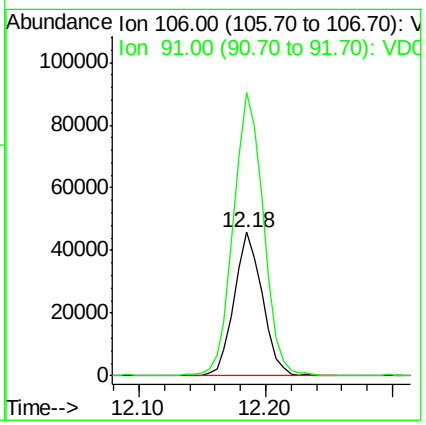


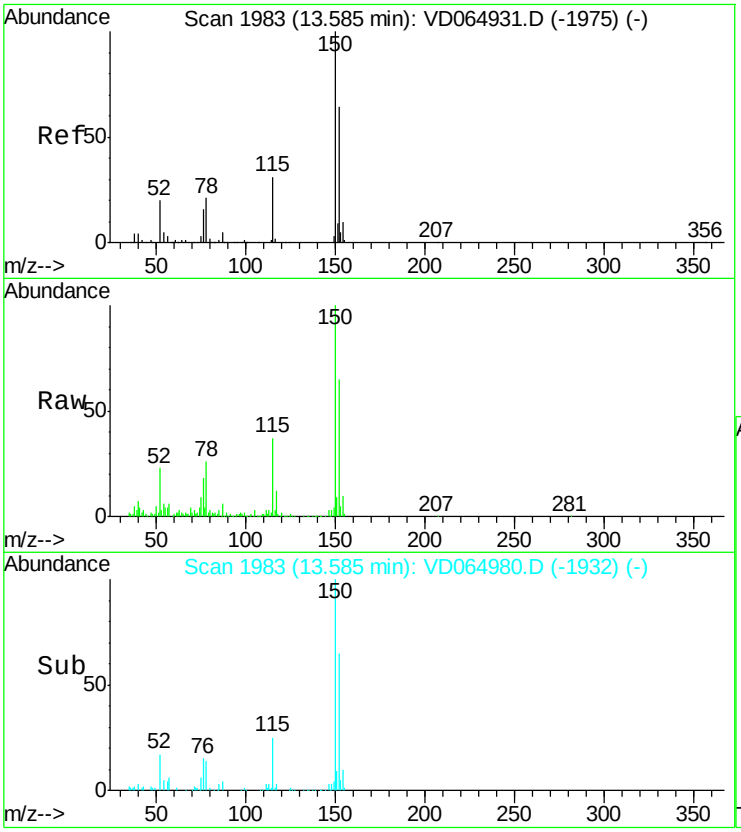


#69
o-Xylene
Concen: 9.621 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:106 Resp: 70480

Ion	Ratio	Lower	Upper
106	100		
91	210.8	106.7	319.9

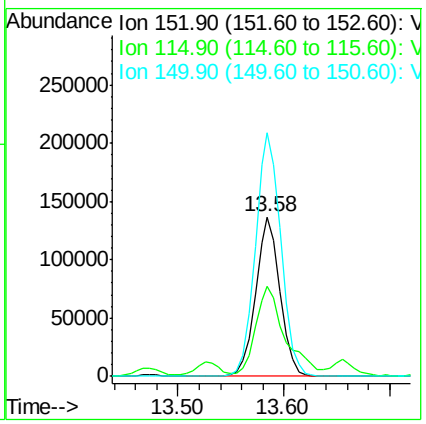




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:152 Resp: 219742

Ion	Ratio	Lower	Upper
152	100		
115	64.2	28.1	84.4
150	158.9	0.0	350.4



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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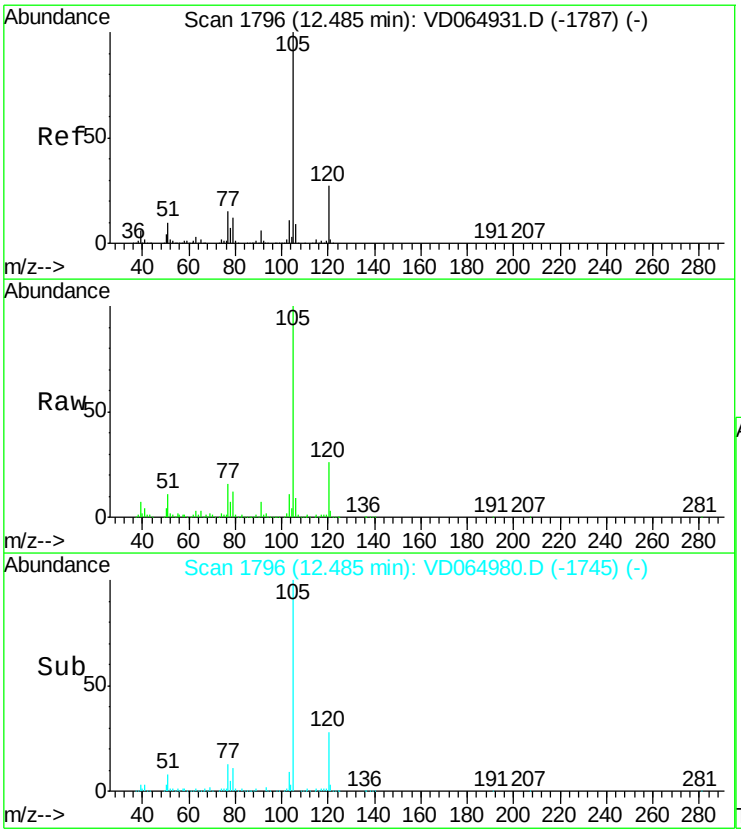
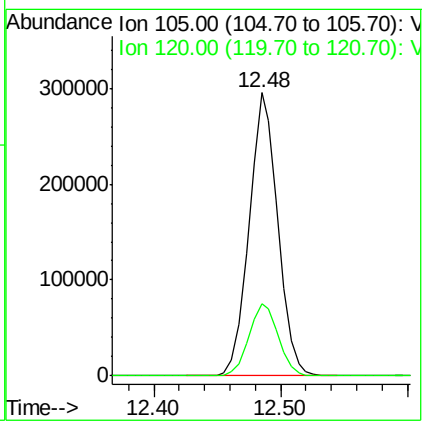
1/29/2020 12:56:04 PM

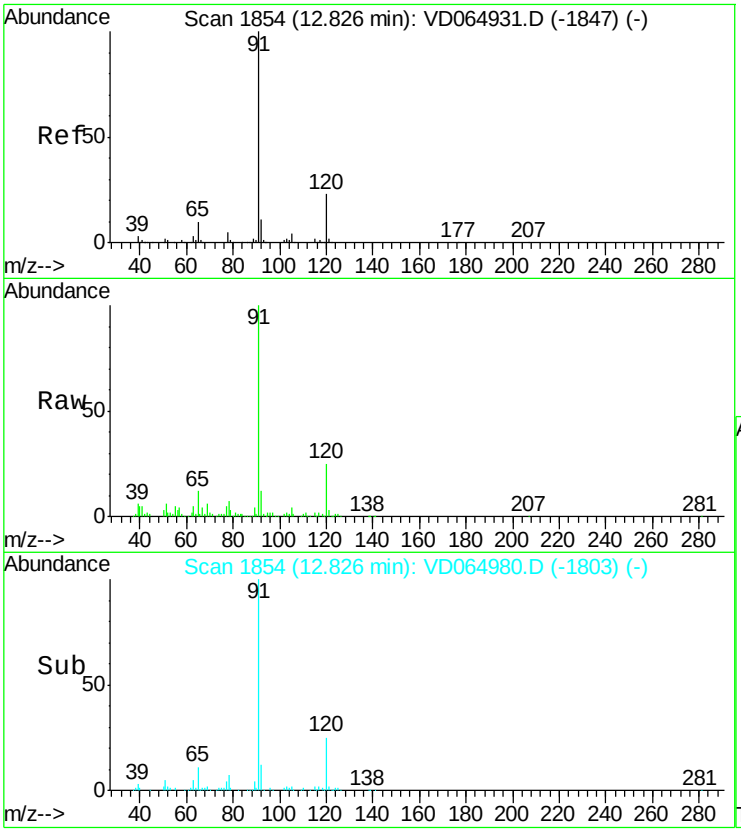


#73
Isopropylbenzene
Concen: 30.930 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:105 Resp: 464546

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8





#78
n-propylbenzene
Concen: 8.643 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 91 Resp: 154372

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.7	35.1

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

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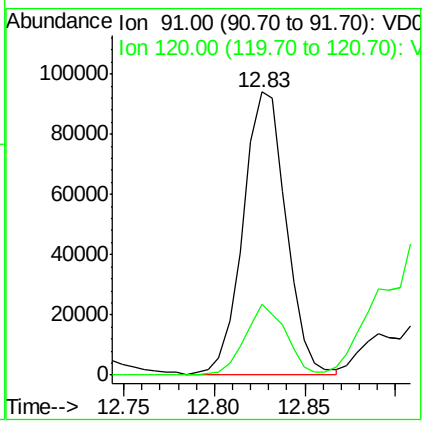
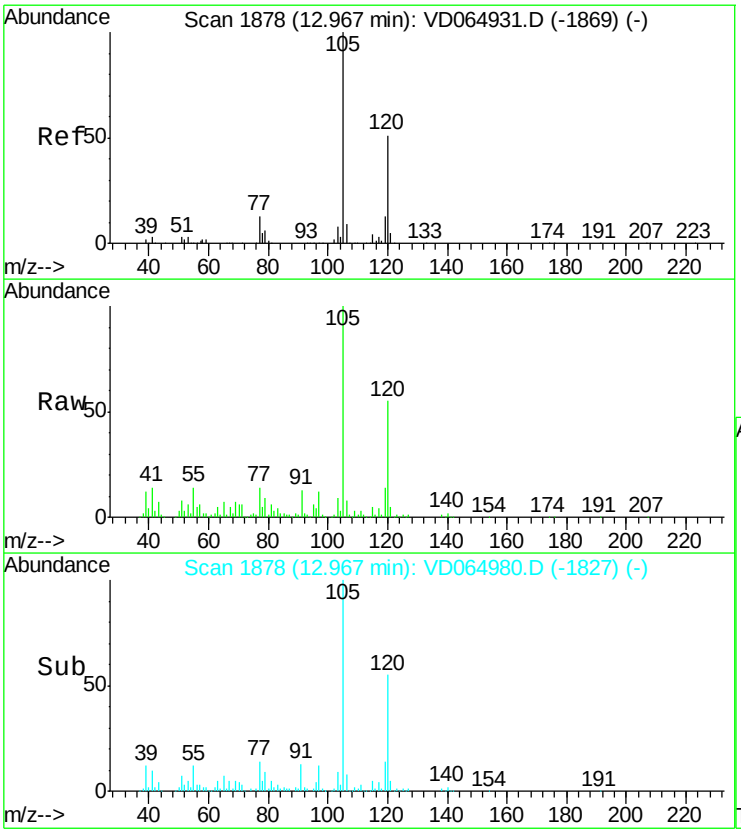
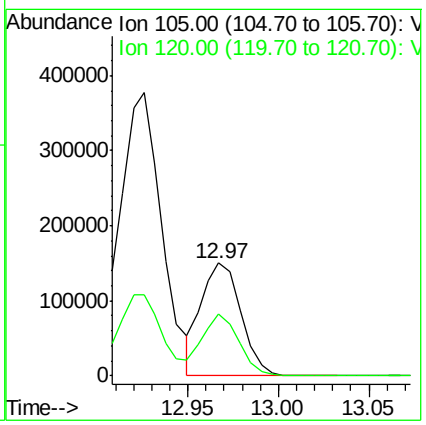


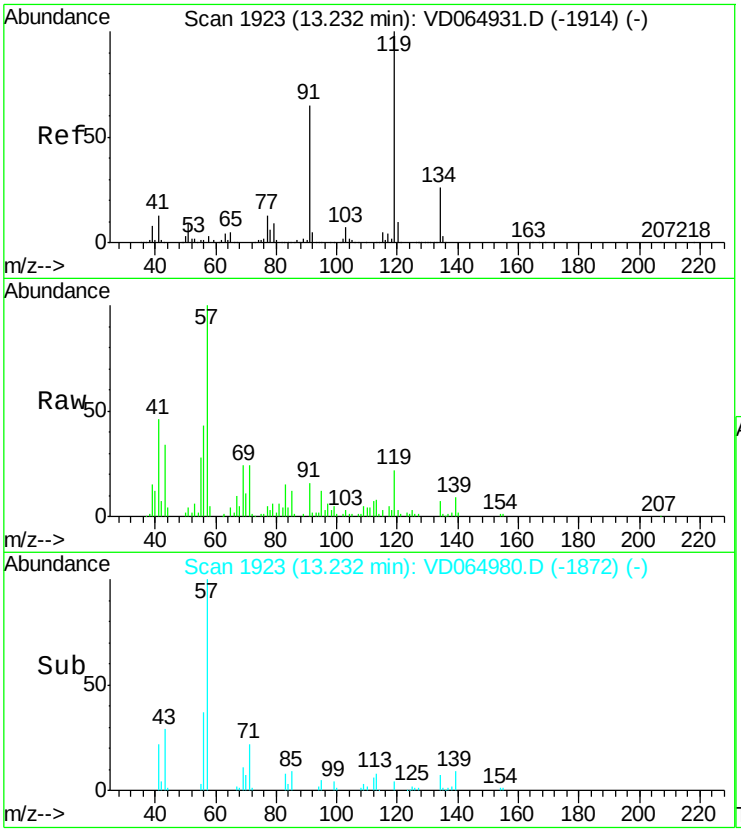


#80
1,3,5-Trimethylbenzene
Concen: 18.548 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:105 Resp: 228293

Ion	Ratio	Lower	Upper
105	100		
120	51.0	25.6	76.8

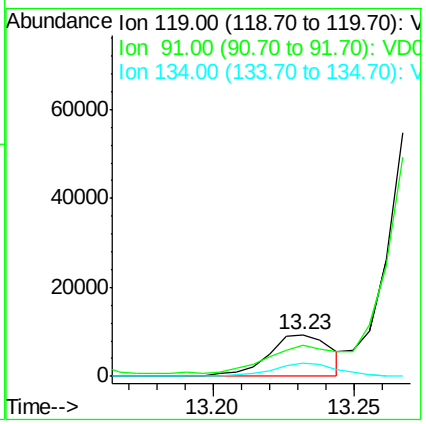




#83
tert-Butylbenzene
Concen: 1.362 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:119 Resp: 14221

Ion	Ratio	Lower	Upper
119	100		
91	74.5	32.0	96.0
134	32.5	13.9	41.6



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

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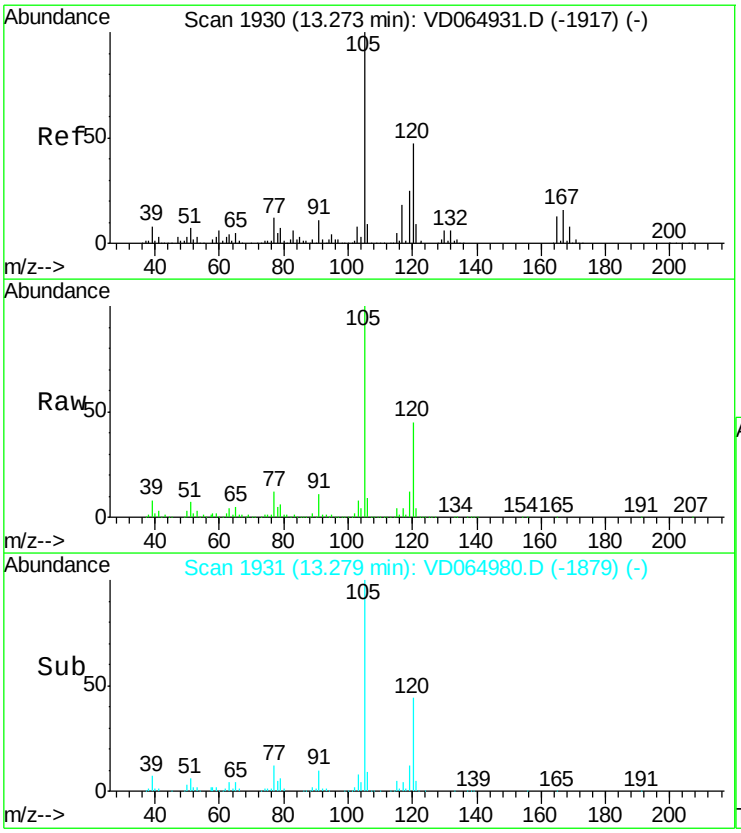
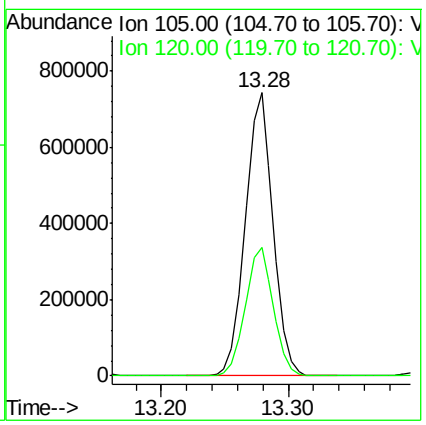
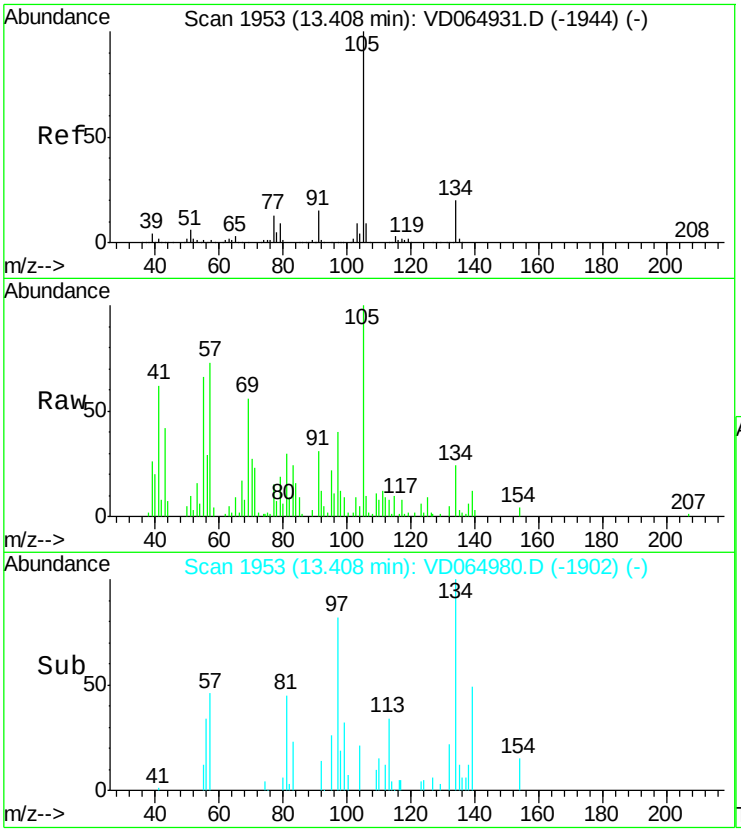


#84
1,2,4-Trimethylbenzene
Concen: 90.316 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:105 Resp: 1126083

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85
sec-Butylbenzene
Concen: 2.154 ug/l m
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:105 Resp: 31853

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.4#

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

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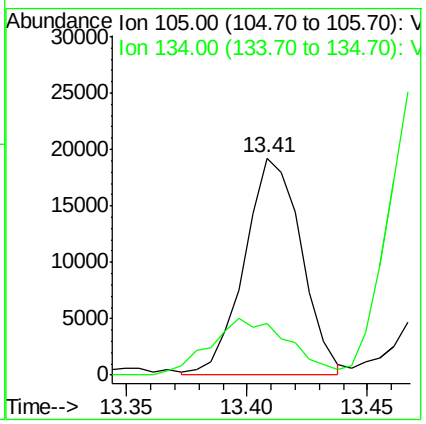
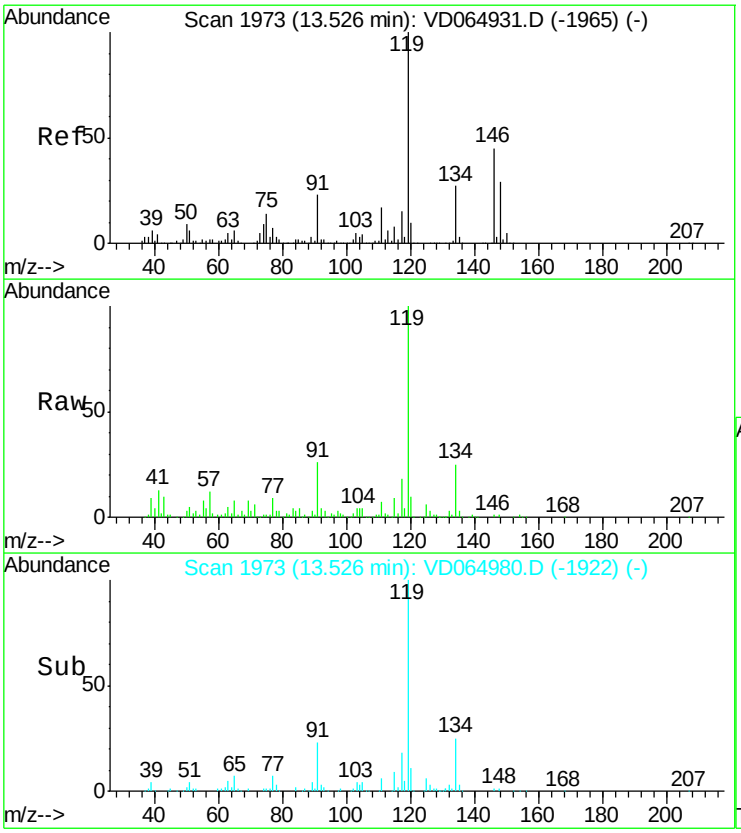
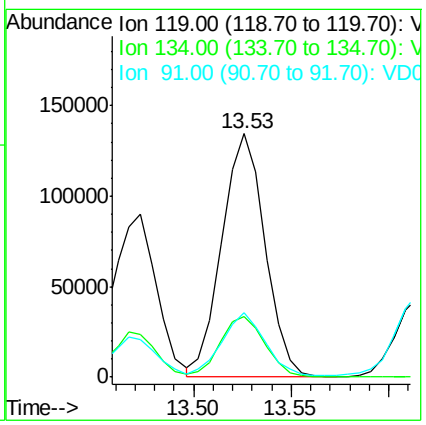


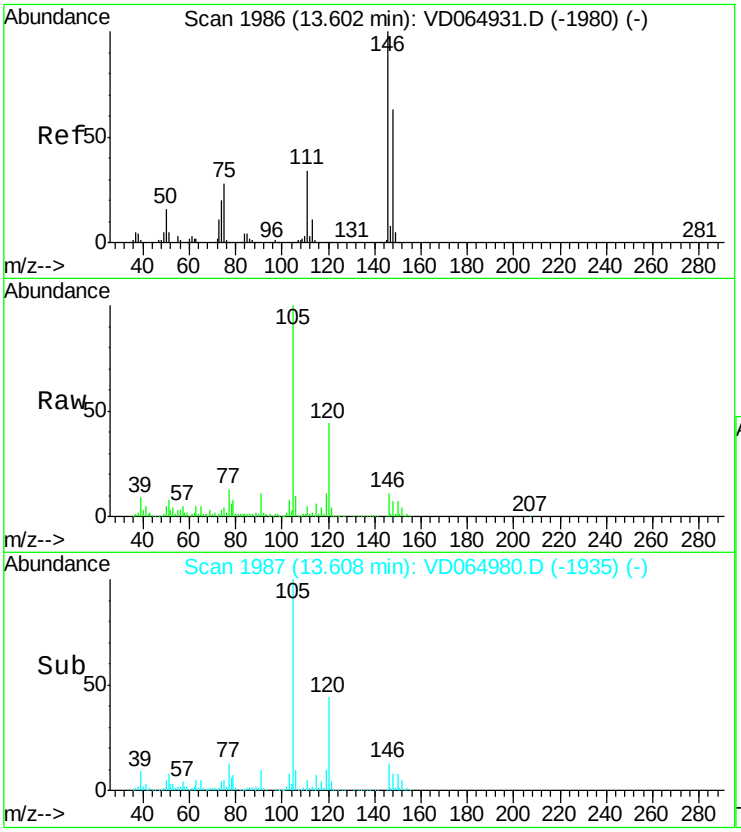


#86
p-Isopropyltoluene
Concen: 14.850 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:119 Resp: 205515

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.9
91	25.1	11.4	34.2

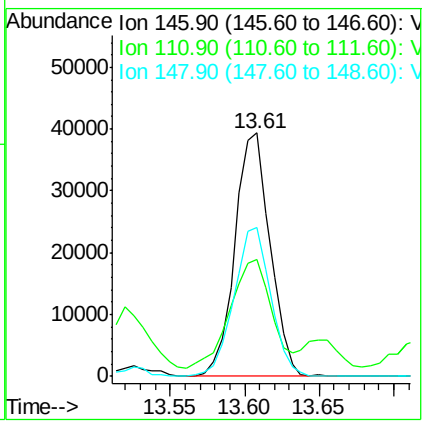




#88
1,4-Dichlorobenzene
Concen: 9.208 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:146 Resp: 64438

Ion	Ratio	Lower	Upper
146	100		
111	52.2	18.2	54.6
148	63.7	32.0	96.0



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

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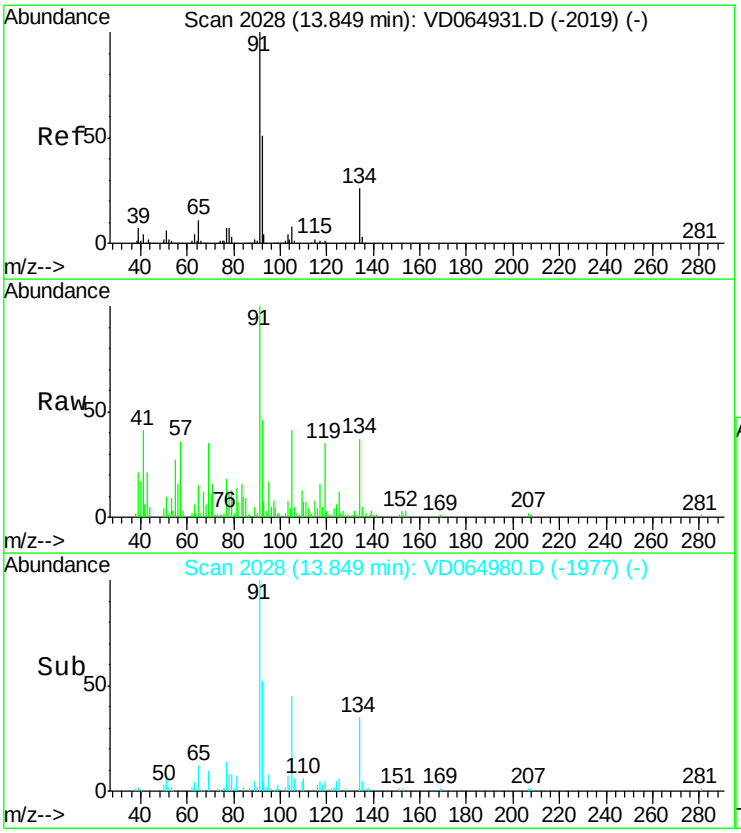
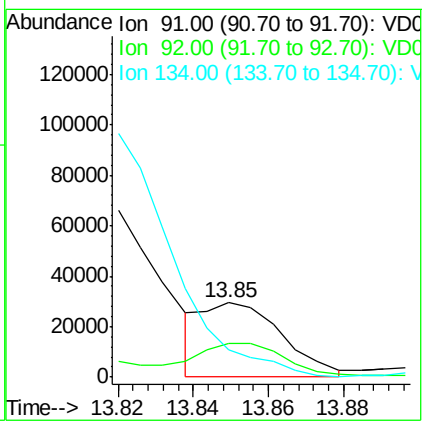
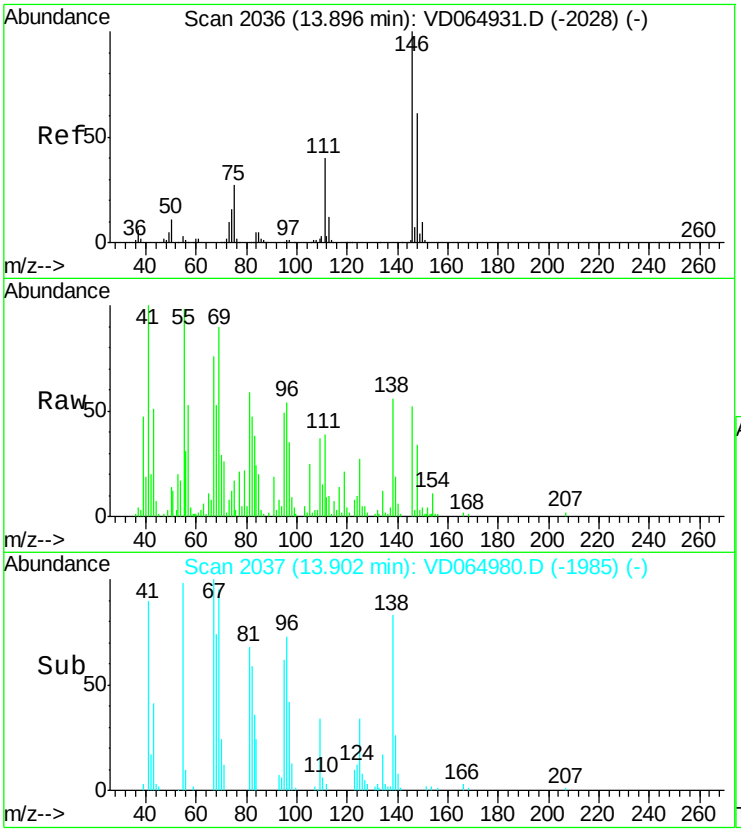


#89
n-Butylbenzene
Concen: 3.437 ug/l m
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion: 91 Resp: 43402

Ion	Ratio	Lower	Upper
91	100		
92	427.5	26.4	79.0#
134	0.0	13.3	39.9#

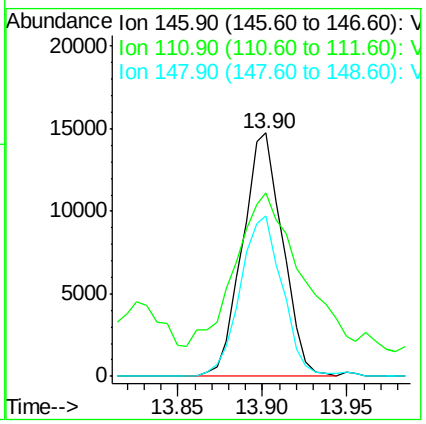




#91
1,2-Dichlorobenzene
Concen: 4.077 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:146 Resp: 24403

Ion	Ratio	Lower	Upper
146	100		
111	109.3	19.4	58.2#
148	69.7	31.6	95.0



Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Manual Integrations APPROVED
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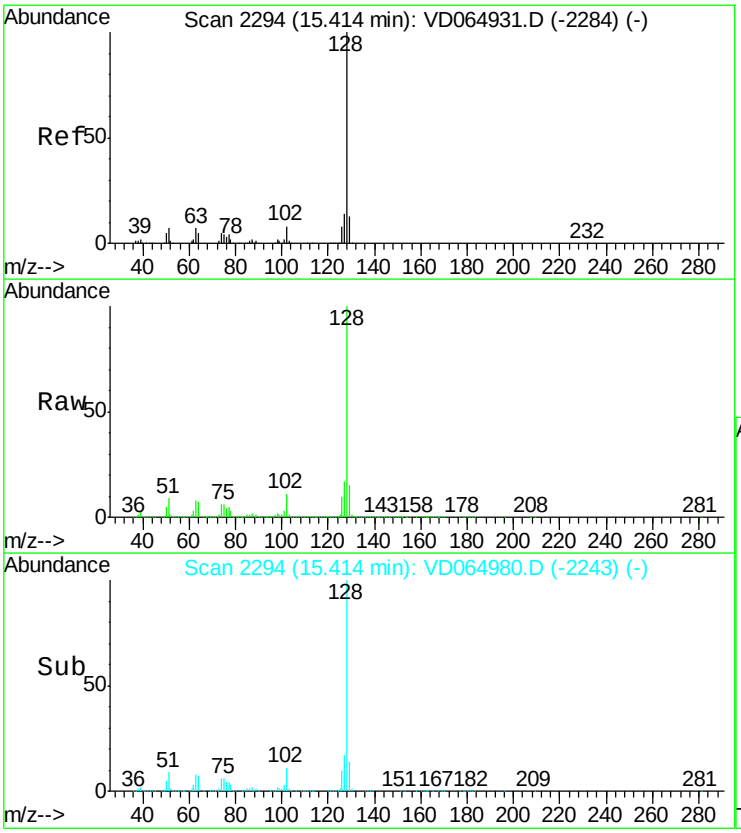

#95
Naphthalene
Concen: 2421.098 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064980.D
Acq: 28 Jan 2020 15:51

Tgt Ion:128 Resp:16180993

Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.6	15.8
129	13.0	9.3	13.9