Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
Data File : VN056626.D
Acq On : 9 Jul 2019 13:43
Operator : JC/SP
Sample : K3643-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 002-35TH-AVE(JULY)

Quant Time: Jul 10 01:40:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.19	128	56809	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	309523	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	269007	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	119714	30.57	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 101.90%				
60) 4-Bromofluorobenzene	12.40	95	114600	27.72	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 92.40%				
63) Toluene-d8	10.09	98	373473	29.88	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.60%				
Target Compounds							Qvalue
12) Methyl Acetate	4.33	43	20884	4.987	ug/l		94
15) Acetone	3.82	58	2062889	4020.748	ug/l		97
24) Methyl tert-Butyl Ether	5.05	73	13972	1.360	ug/l	#	78
30) 2-Butanone	6.84	43	68975	27.221	ug/l		97
58) 4-Methyl-2-Pentanone	9.99	43	15121	3.126	ug/l		98
62) Toluene	10.16	91	685413	45.653	ug/l		100
66) Ethyl Benzene	11.51	91	4581	0.281	ug/l		94
67) m/p-Xylenes	11.61	106	8933	1.487	ug/l		98
68) o-Xylene	11.94	106	6831	1.150	ug/l		98
76) 1,3,5-Trimethylbenzene	12.73	105	6666	0.508	ug/l		93
80) 1,2,4-Trimethylbenzene	13.04	105	24516	1.891	ug/l		80
82) p-Isopropyltoluene	13.29	119	14815	1.108	ug/l		98
91) Naphthalene	15.13	128	4222	0.404	ug/l	#	77

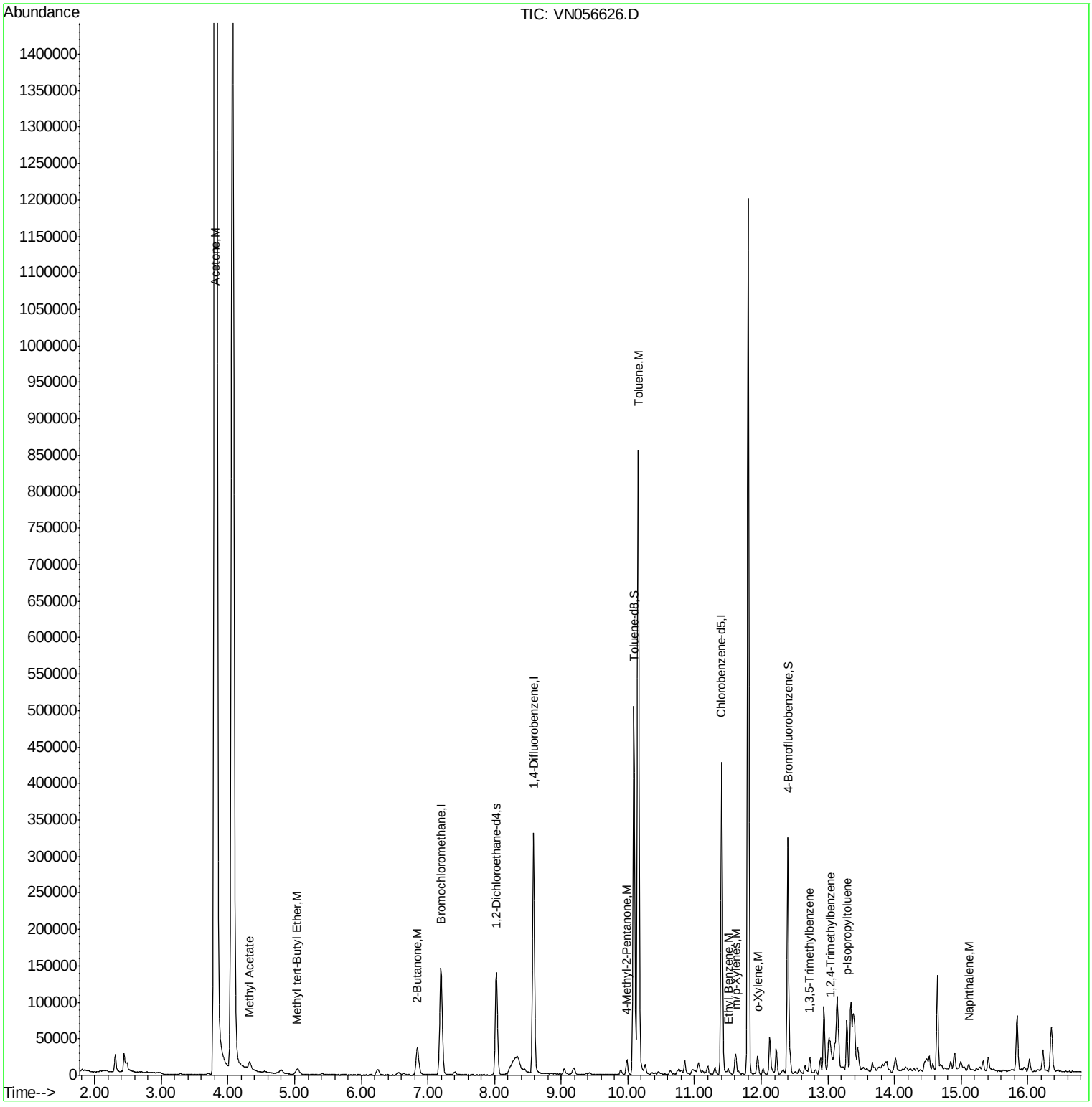
(#) = qualifier out of range (m) = manual integration (+) = signals summed

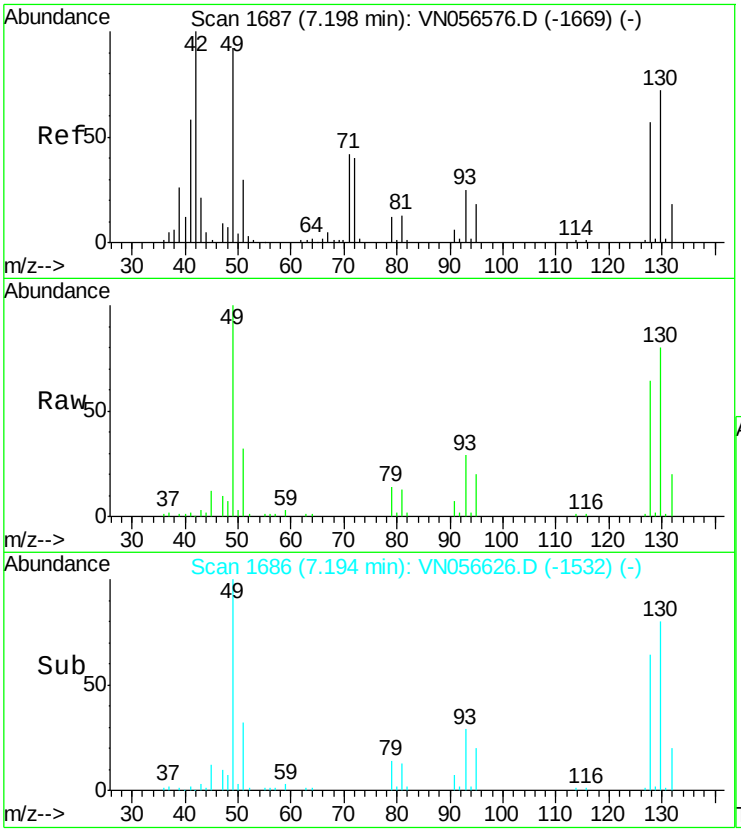
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
Data File : VN056626.D
Acq On : 9 Jul 2019 13:43
Operator : JC/SP
Sample : K3643-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Quant Time: Jul 10 01:40:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration



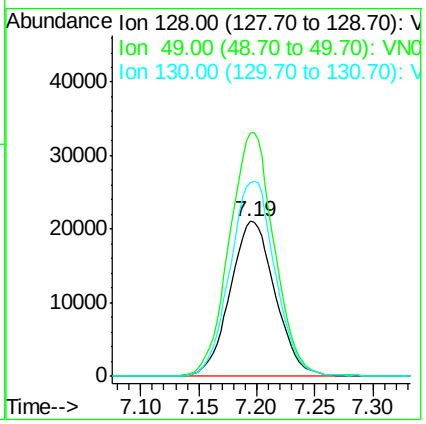


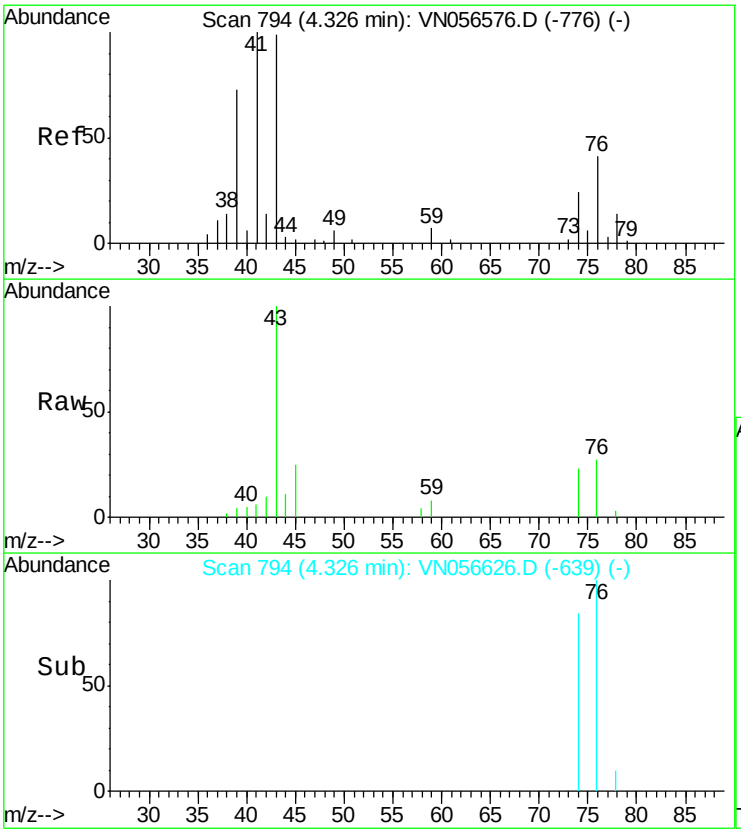
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion:128 Resp: 56809

Ion	Ratio	Lower	Upper
128	100		
49	156.4	0.0	355.8
130	126.7	0.0	326.3

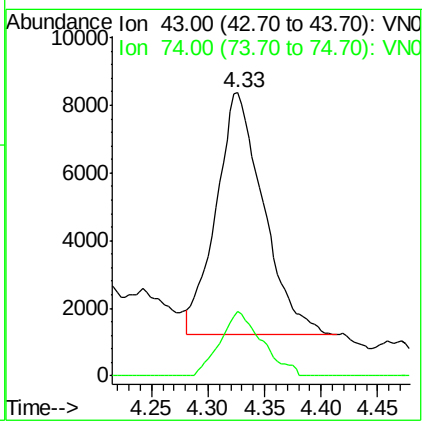


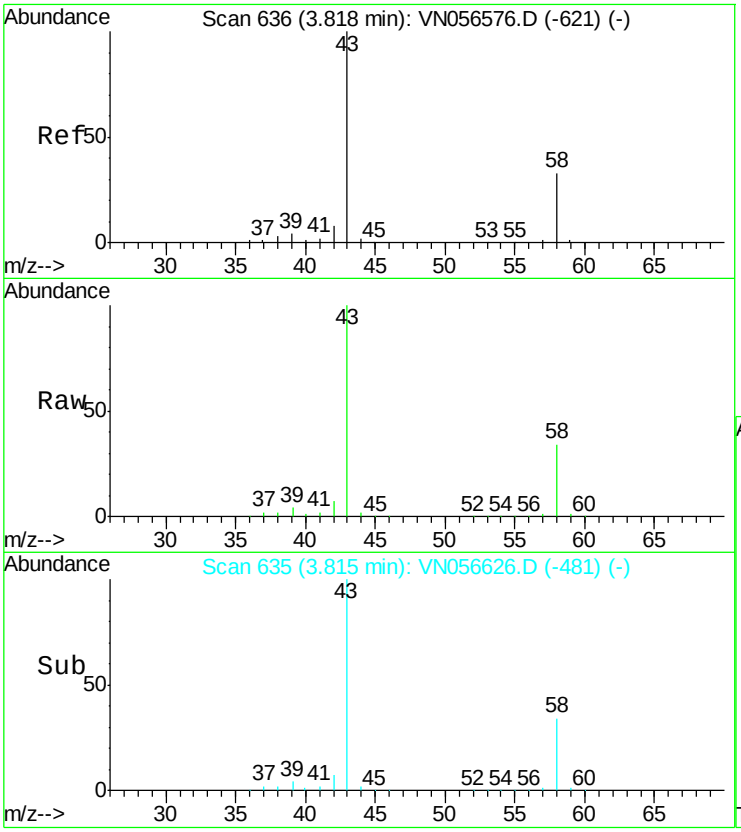


#12
Methyl Acetate
Concen: 4.987 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion: 43 Resp: 20884

Ion	Ratio	Lower	Upper
43	100		
74	28.1	19.9	29.9



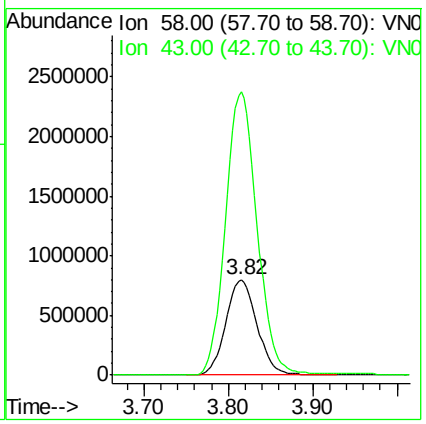


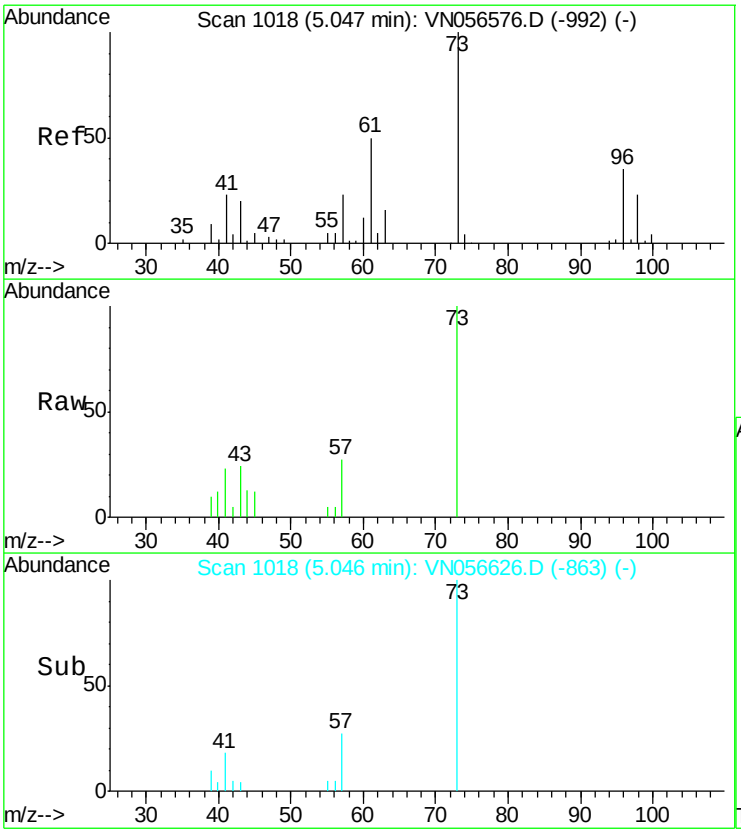
#15
Acetone
Concen: 4020.748 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 58 Resp: 2062889

Ion	Ratio	Lower	Upper
58	100		
43	297.0	232.5	348.7

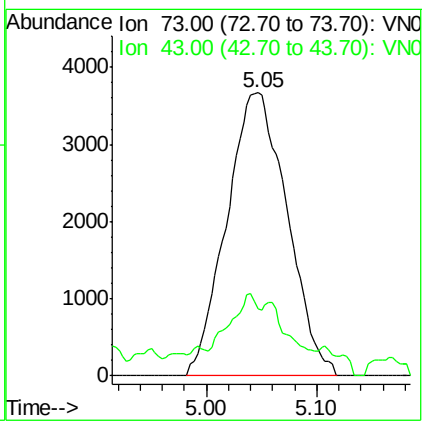


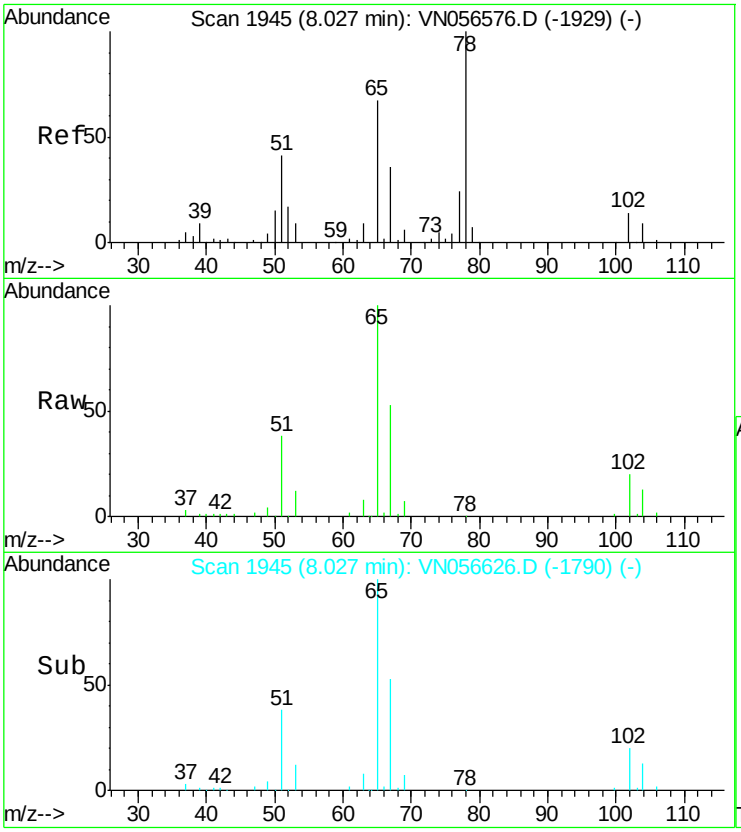


#24
Methyl tert-Butyl Ether
Concen: 1.360 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion: 73 Resp: 13972

Ion	Ratio	Lower	Upper
73	100		
43	9.1	15.4	23.0#



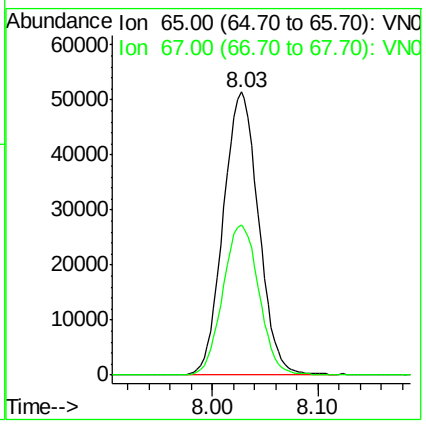


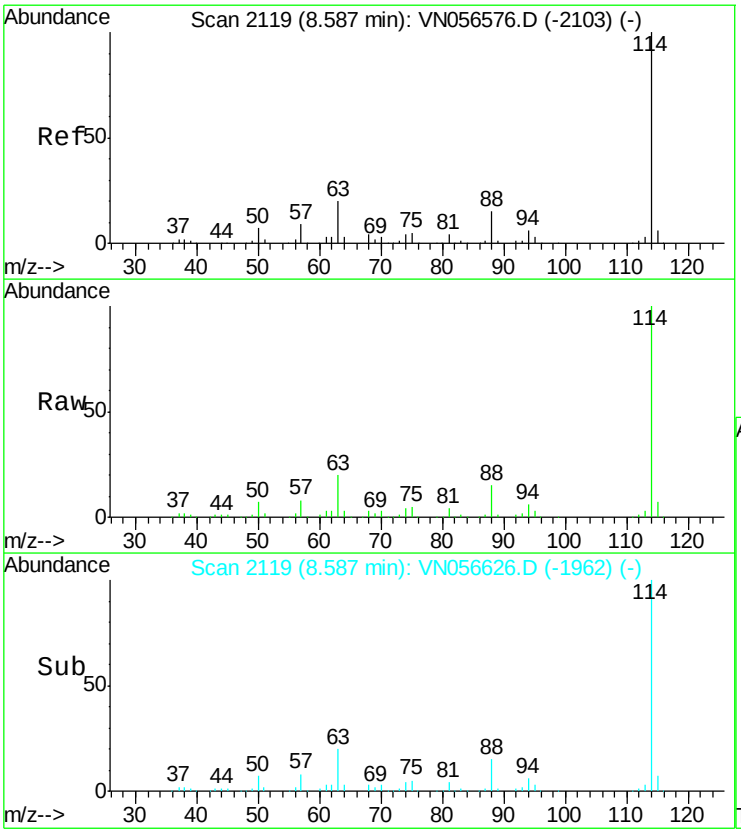
#27
1,2-Dichloroethane-d4
Concen: 30.568 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 65 Resp: 119714

Ion	Ratio	Lower	Upper
65	100		
67	54.1	43.4	65.2

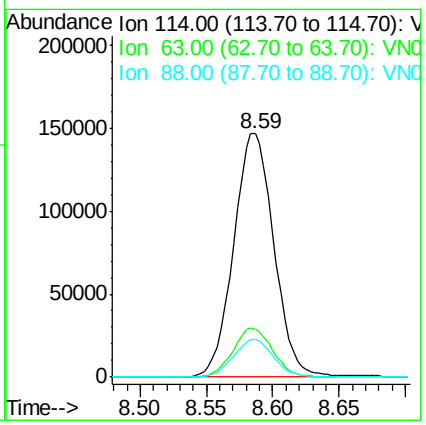


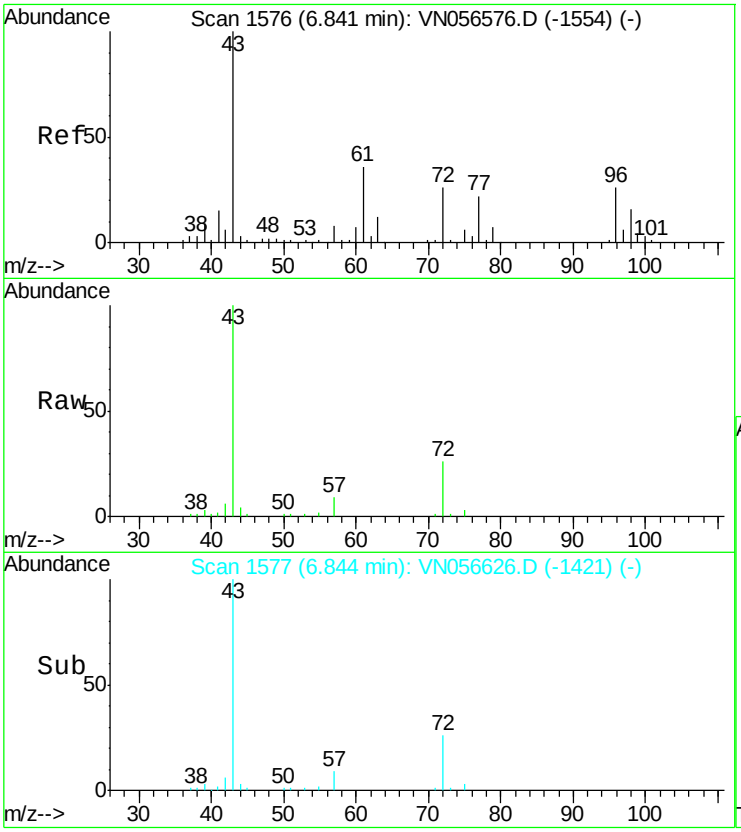


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion:114 Resp: 309523

Ion	Ratio	Lower	Upper
114	100		
63	19.9	14.7	22.1
88	15.3	11.9	17.9



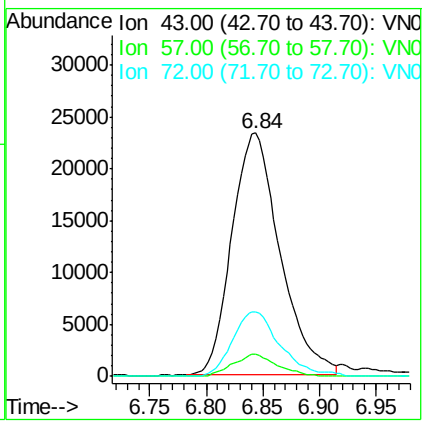


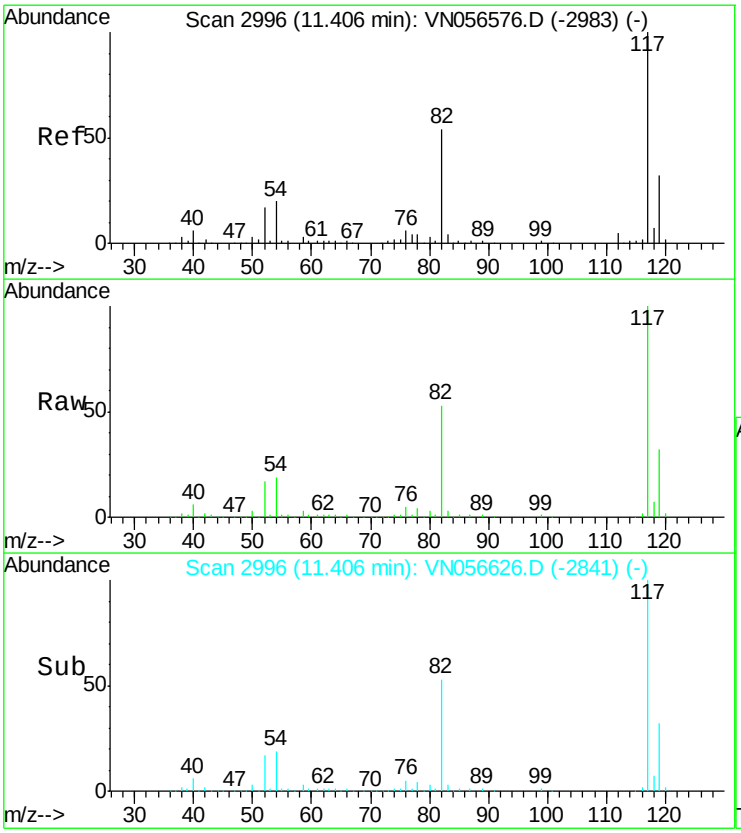
#30
2-Butanone
Concen: 27.221 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 43 Resp: 68975

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	26.0	22.4	33.6

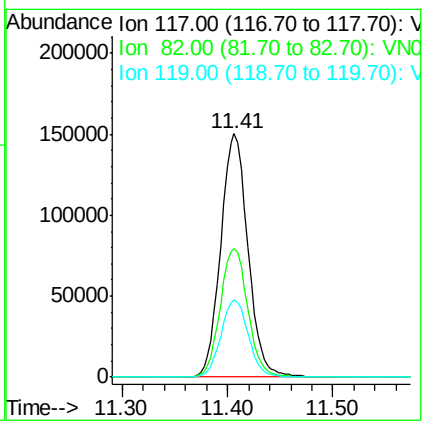


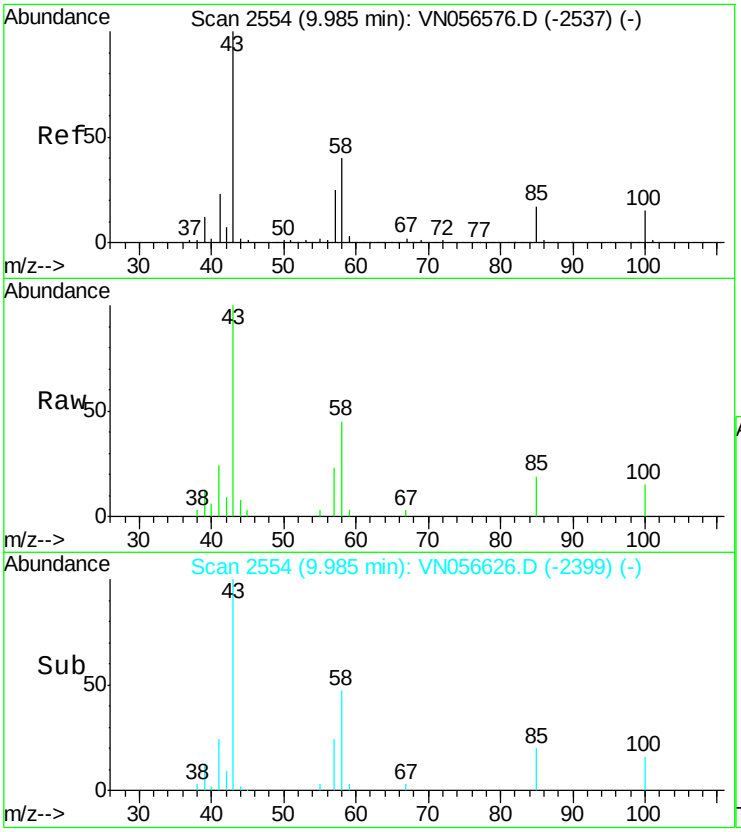


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion:117 Resp: 269007

Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.2	61.8
119	31.9	26.2	39.2



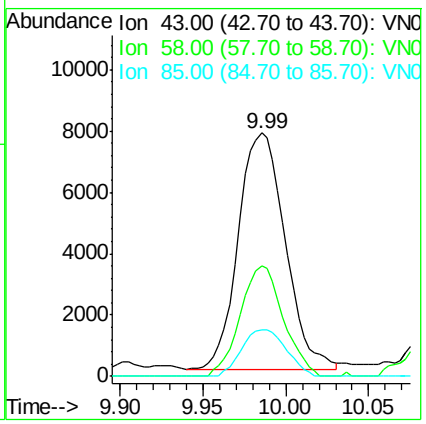


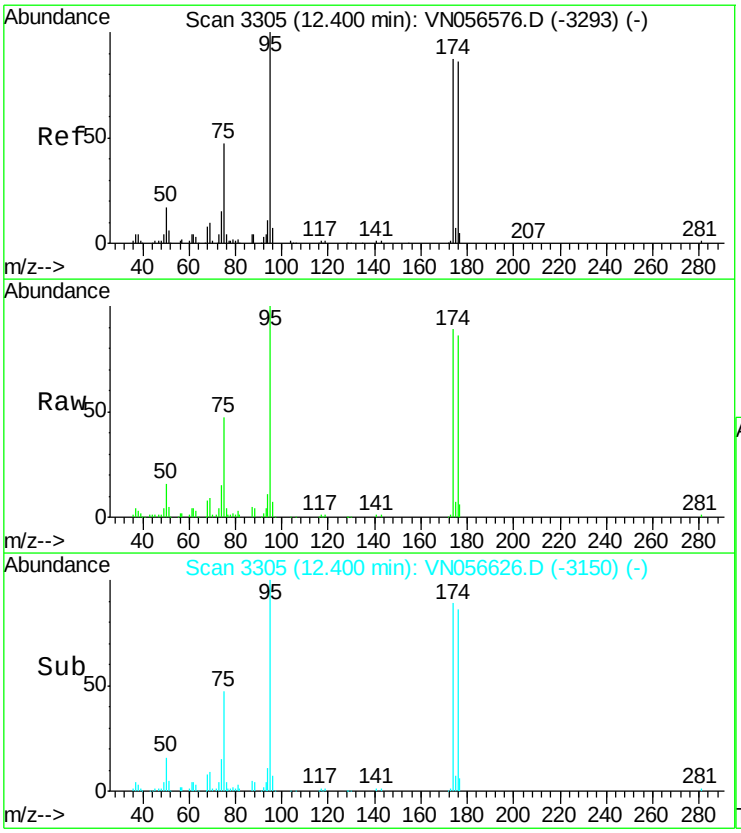
#58
4-Methyl-2-Pentanone
Concen: 3.126 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 43 Resp: 15121

Ion	Ratio	Lower	Upper
43	100		
58	42.9	33.1	49.7
85	18.9	15.5	23.3

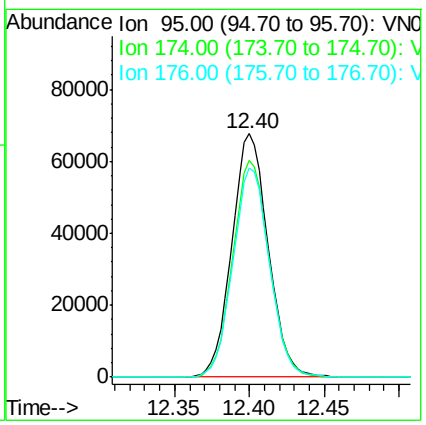


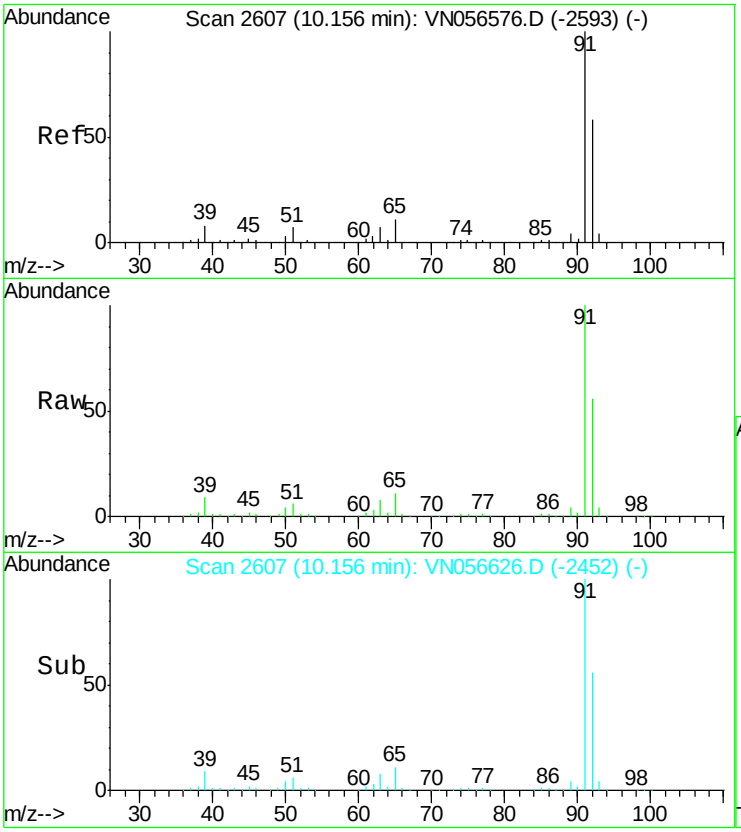


#60
4-Bromofluorobenzene
Concen: 27.724 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion: 95 Resp: 114600

Ion	Ratio	Lower	Upper
95	100		
174	89.1	75.4	113.0
176	86.4	73.9	110.9



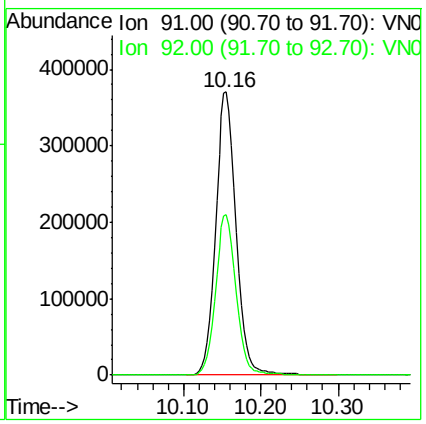


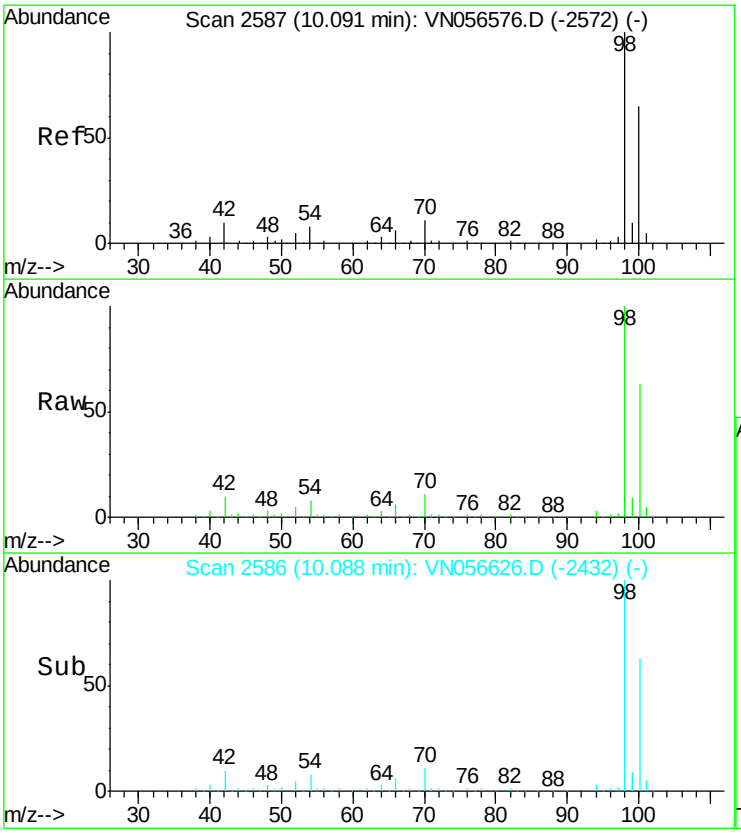
#62
Toluene
Concen: 45.653 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 91 Resp: 685413

Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.5	68.3

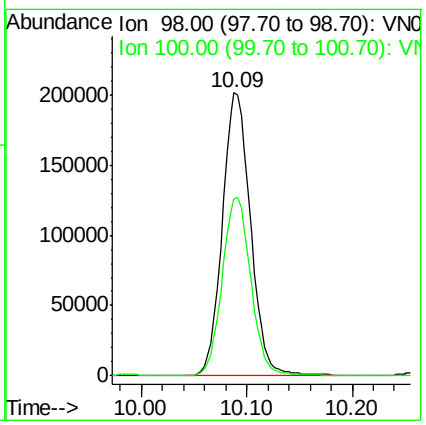


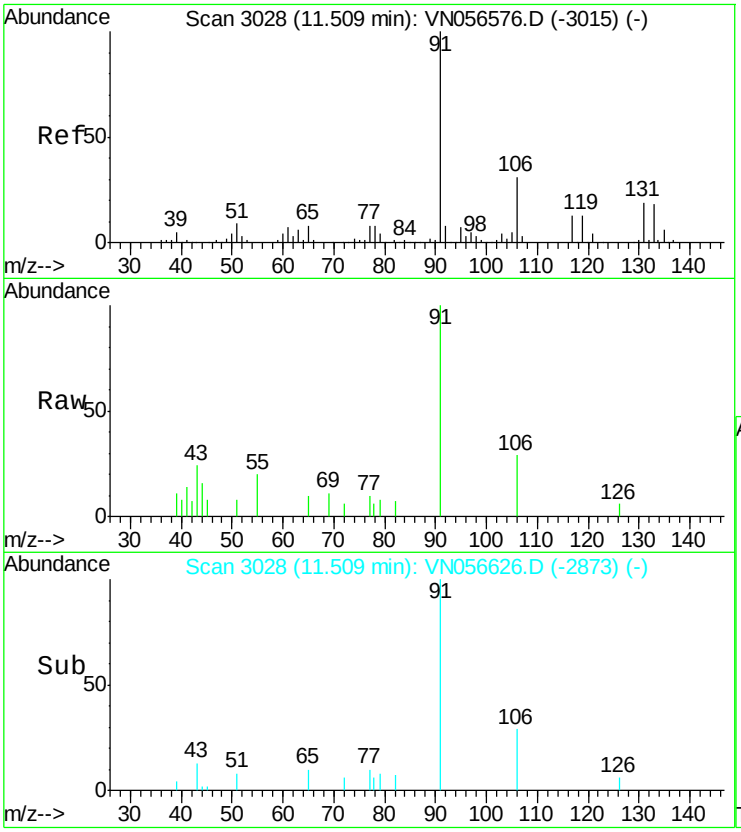


#63
Toluene-d8
Concen: 29.876 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion: 98 Resp: 373473

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4



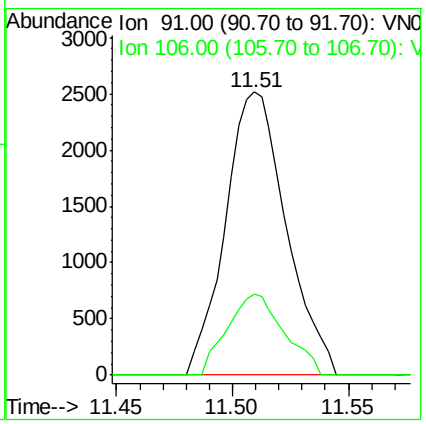


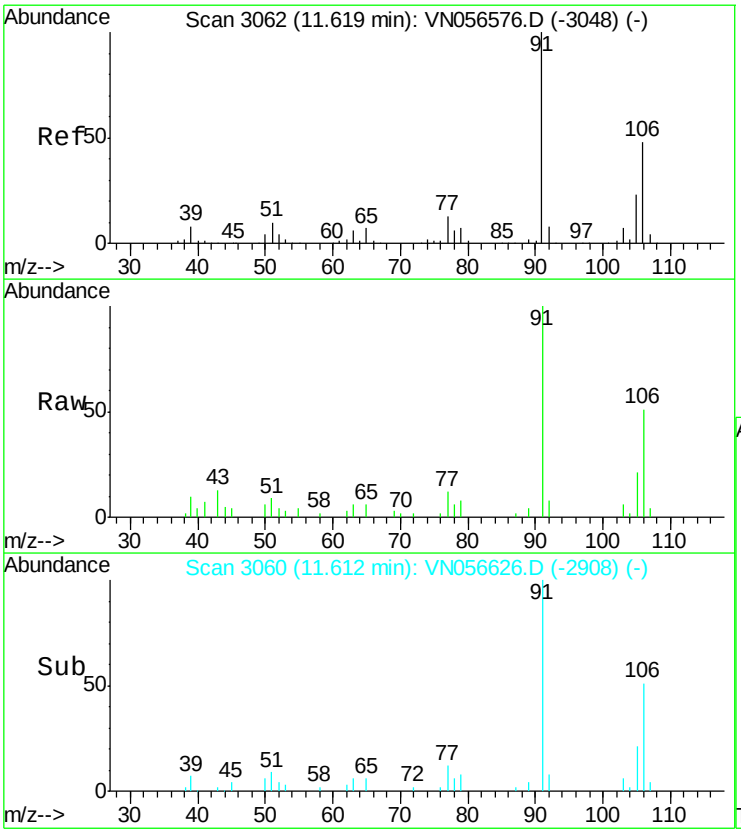
#66
Ethyl Benzene
Concen: 0.281 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion: 91 Resp: 4581

Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.7	38.5

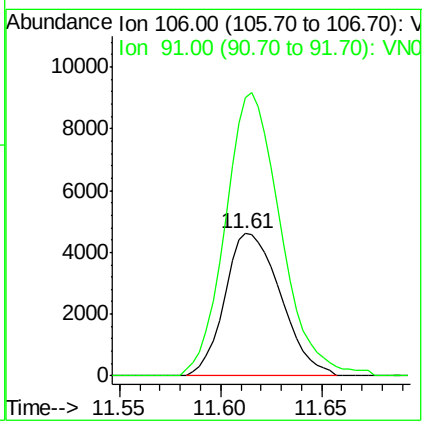


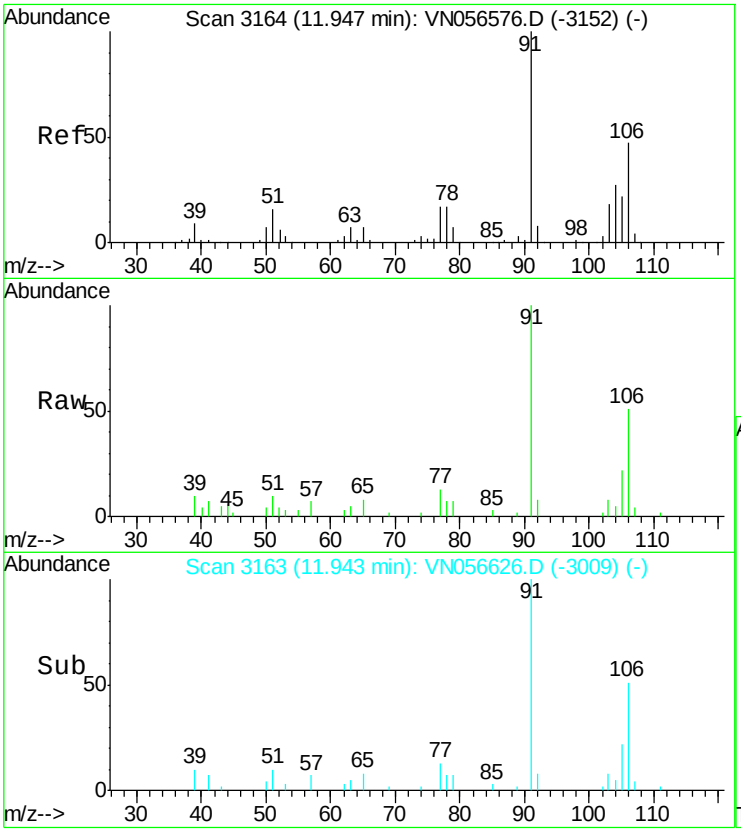


#67
m/p-Xylenes
Concen: 1.487 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion:106 Resp: 8933

Ion	Ratio	Lower	Upper
106	100		
91	197.1	155.7	233.5



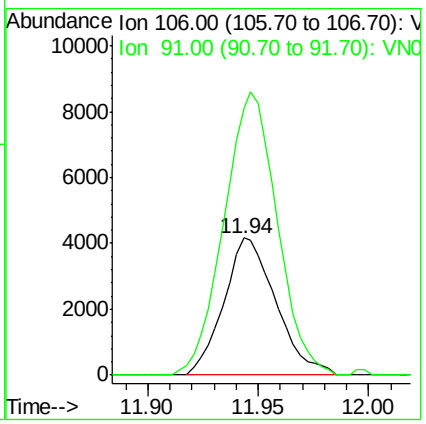


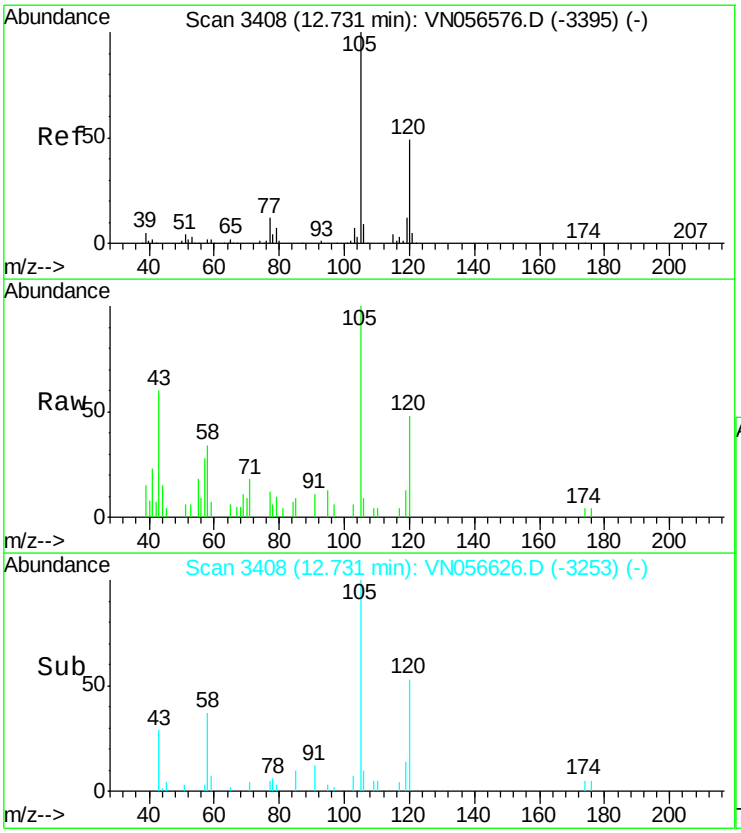
#68
o-Xylene
Concen: 1.150 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion:106 Resp: 6831

Ion	Ratio	Lower	Upper
106	100		
91	211.3	103.9	311.7

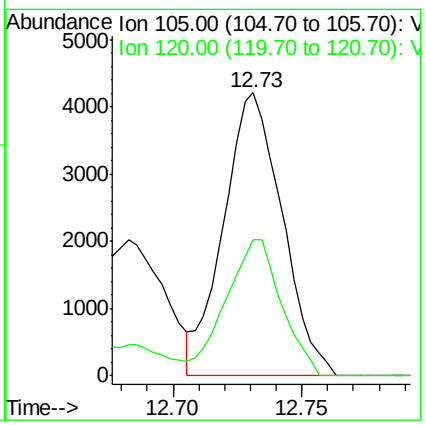


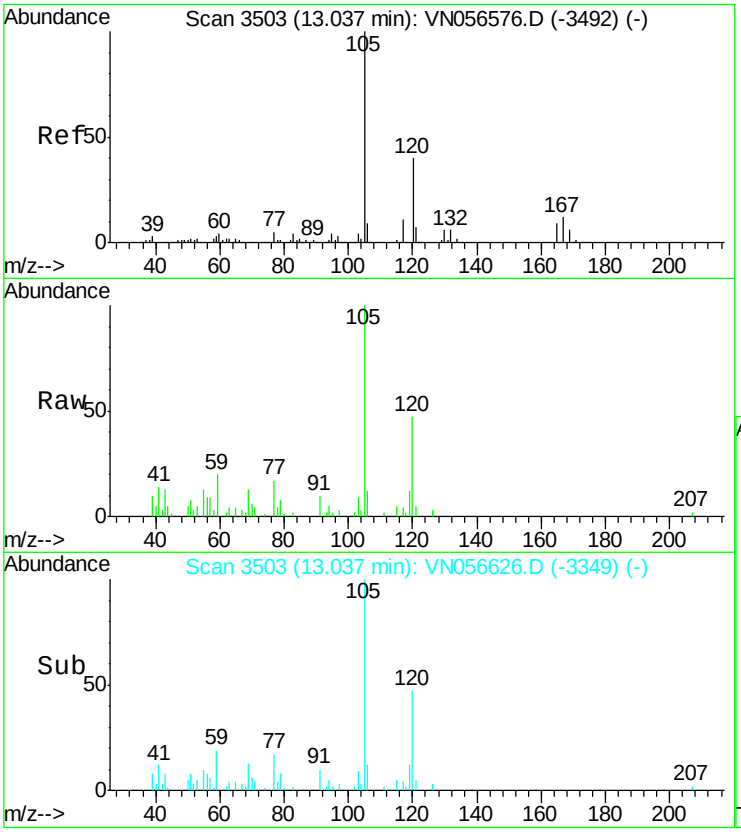


#76
1,3,5-Trimethylbenzene
Concen: 0.508 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion:105 Resp: 6666

Ion	Ratio	Lower	Upper
105	100		
120	45.8	0.0	100.6



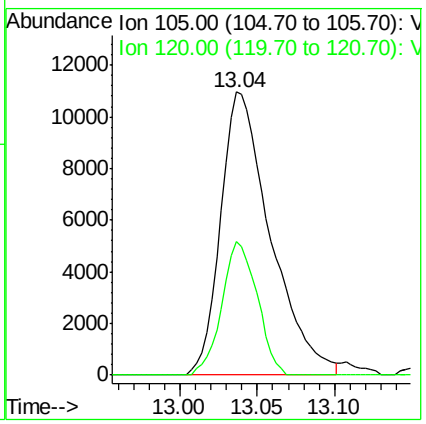


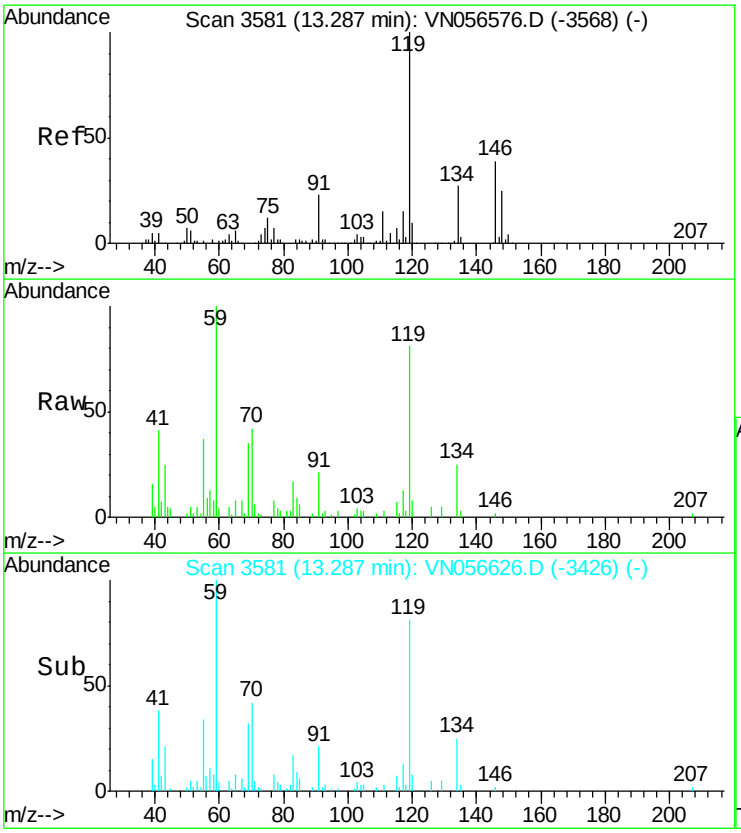
#80
1,2,4-Trimethylbenzene
Concen: 1.891 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion:105 Resp: 24516

Ion	Ratio	Lower	Upper
105	100		
120	33.3	0.0	93.4

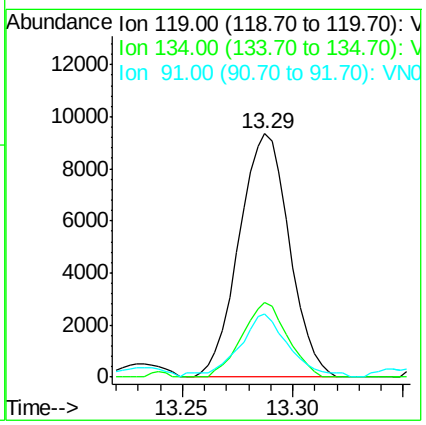


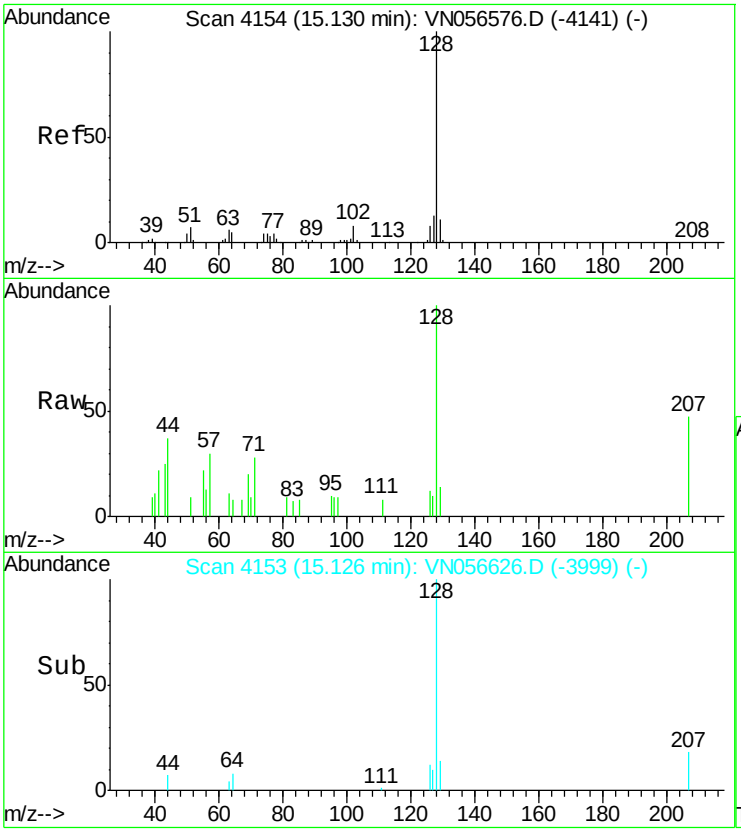


#82
p-Isopropyltoluene
Concen: 1.108 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Tgt Ion:119 Resp: 14815

Ion	Ratio	Lower	Upper
119	100		
134	27.8	0.0	53.4
91	22.6	0.0	43.0





#91
Naphthalene
Concen: 0.404 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN056626.D
Acq: 9 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JULY)

Tgt Ion:128 Resp: 4222

Ion	Ratio	Lower	Upper
128	100		
127	1.8	10.4	15.6#
129	4.7	8.7	13.1#