Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034440.D
Acq On : 2 Dec 2019 23:59
Operator : SY/AP
Sample : K6097-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

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Quant Time: Dec 03 14:12:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 1
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	738429	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.21	114	1465174	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1403519	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1219112	10.32	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	90433	0.677	ppbv		98
3) Chlorodifluoromethane	2.96	51	33676m	0.366	ppbv		
4) Chloromethane	3.12	50	24863	0.458	ppbv		99
9) Propene	2.99	41	30500	0.746	ppbv		88
11) Trichlorofluoromethane	3.94	101	35658	0.268	ppbv	#	82
13) Ethanol	3.60	45	119165	10.458	ppbv		92
15) Acetone	3.85	43	213184	2.016	ppbv		92
19) Isopropyl Alcohol	3.99	45	34386m	0.507	ppbv		
20) Methylene Chloride	4.35	84	92922	2.478	ppbv		85
26) Hexane	5.71	57	93935	1.159	ppbv	#	38
35) Carbon Tetrachloride	7.06	117	11691m	0.093	ppbv		
36) Benzene	6.92	78	38050	0.260	ppbv	#	90
44) 2,2,4-Trimethylpentane	7.91	57	30220m	0.113	ppbv		
53) Toluene	9.86	91	205591	1.236	ppbv		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034440.D
Acq On : 2 Dec 2019 23:59
Operator : SY/AP
Sample : K6097-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 14:12:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

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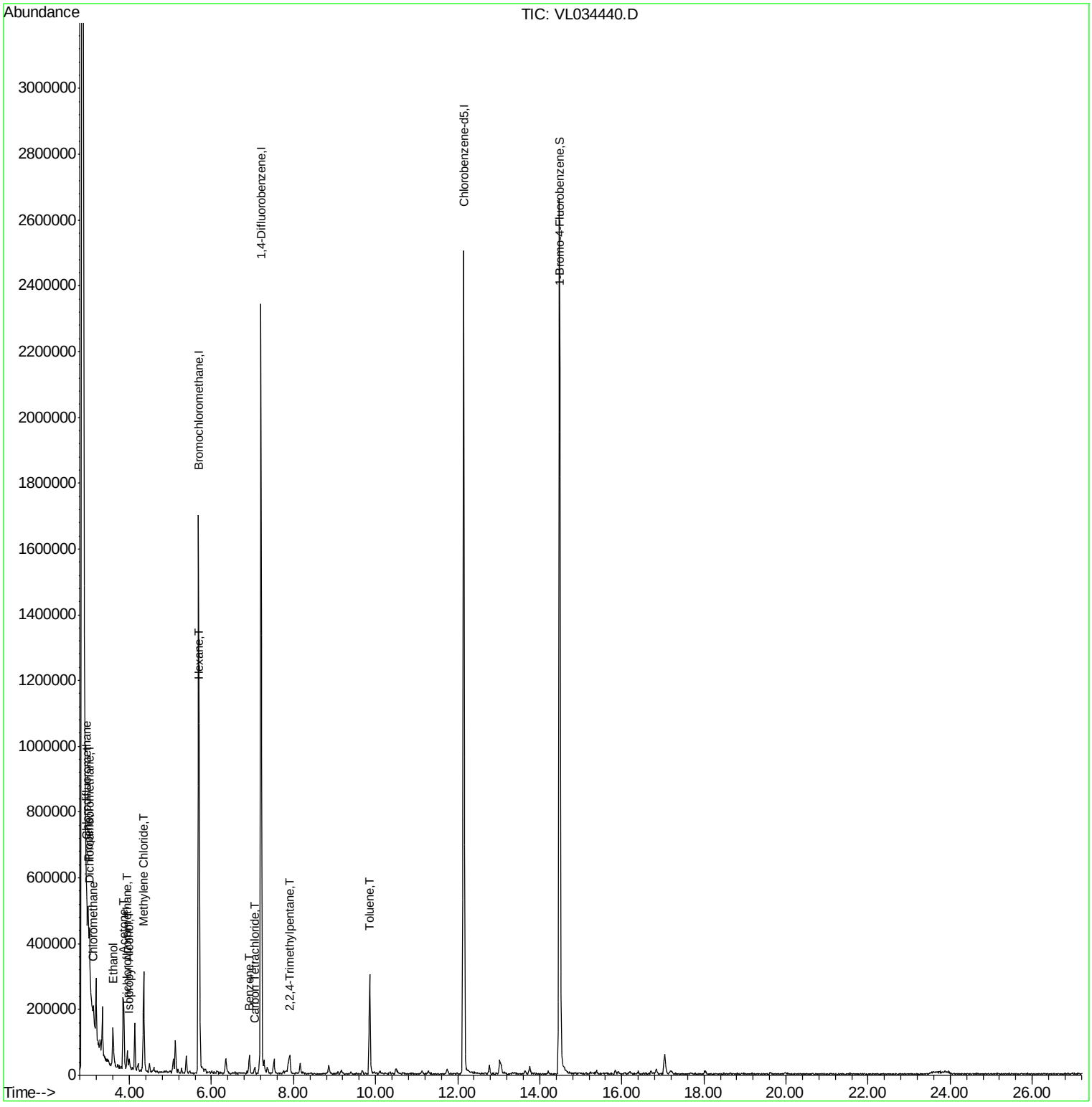
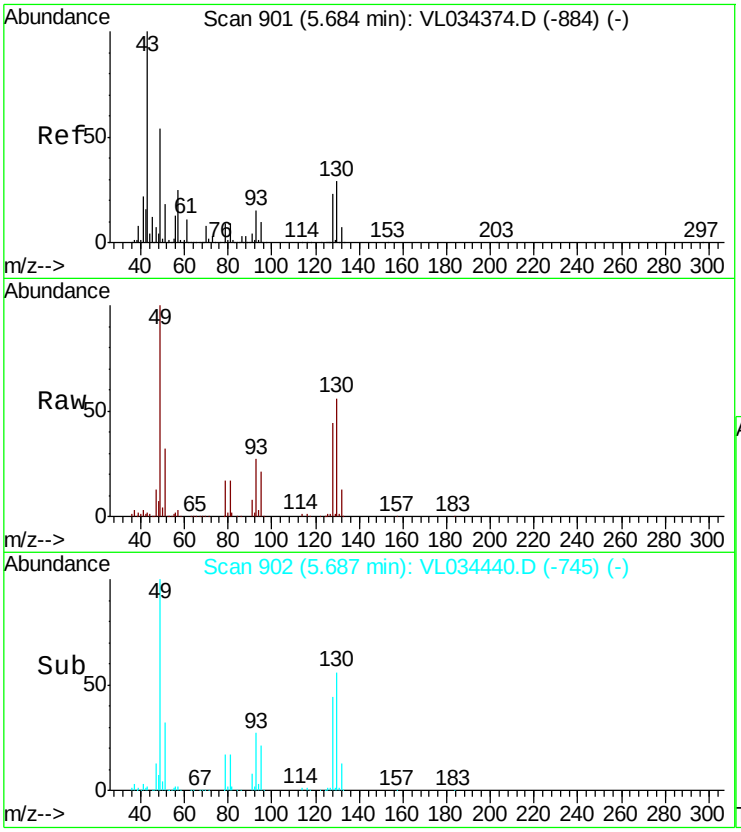
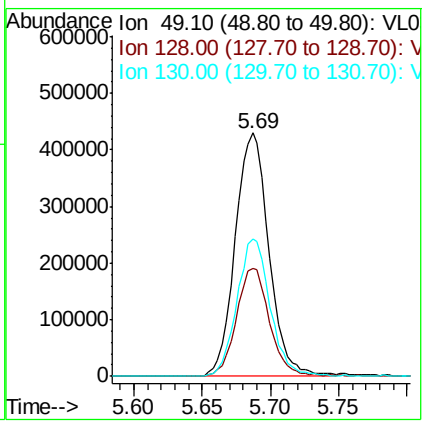




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 49 Resp: 738429

Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.8	65.3
130	55.8	28.0	84.0



Instrument :
MSVOA_L
ClientSampleId :
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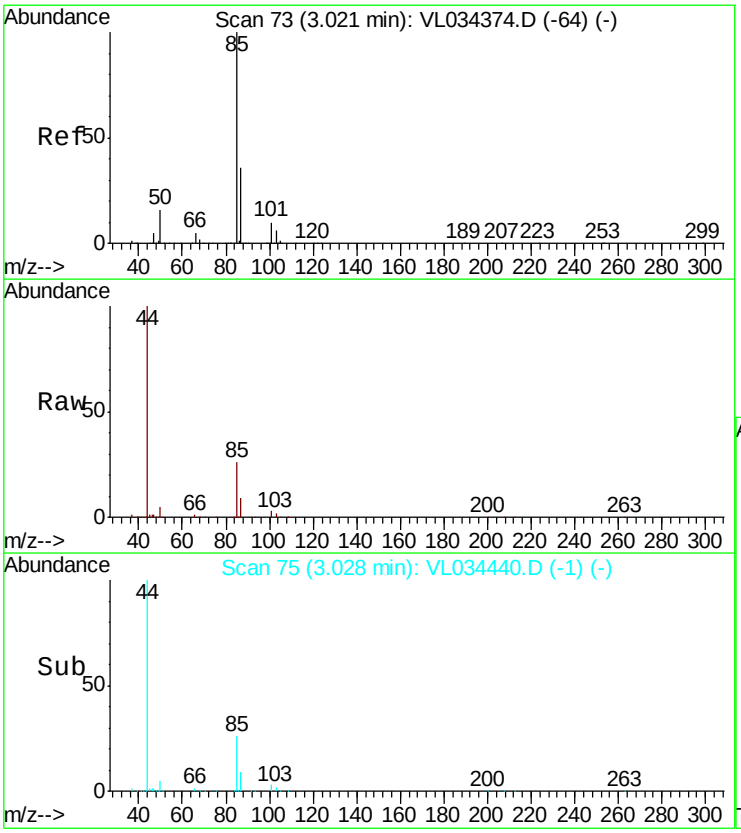
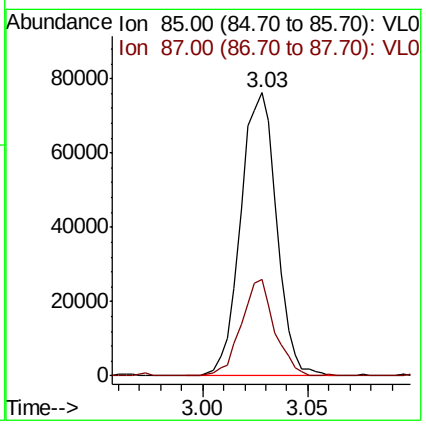
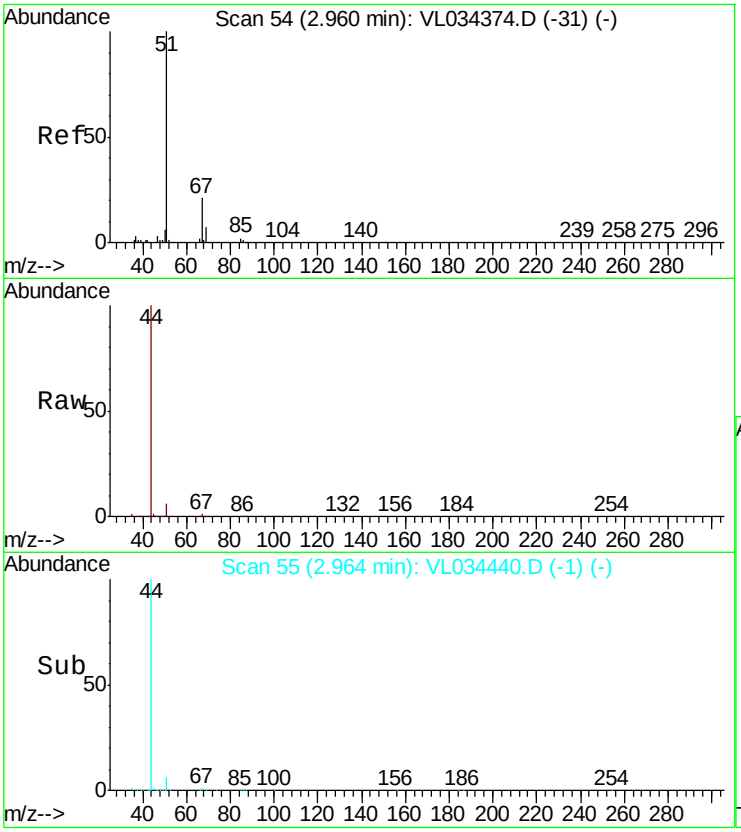


#2
Dichlorodifluoromethane
Concen: 0.677 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 85 Resp: 90433

Ion	Ratio	Lower	Upper
85	100		
87	34.3	28.5	42.7

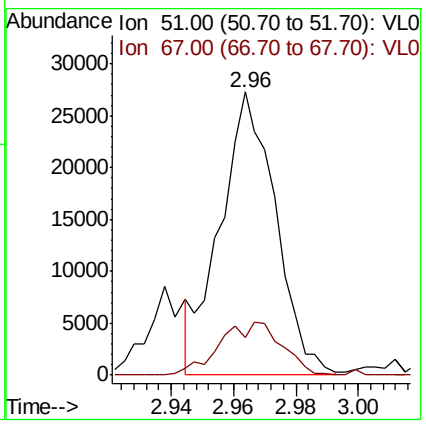




#3
Chlorodifluoromethane
Concen: 0.366 ppbv m
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 51 Resp: 33676

Ion	Ratio	Lower	Upper
51	100		
67	21.4	16.2	24.2



Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

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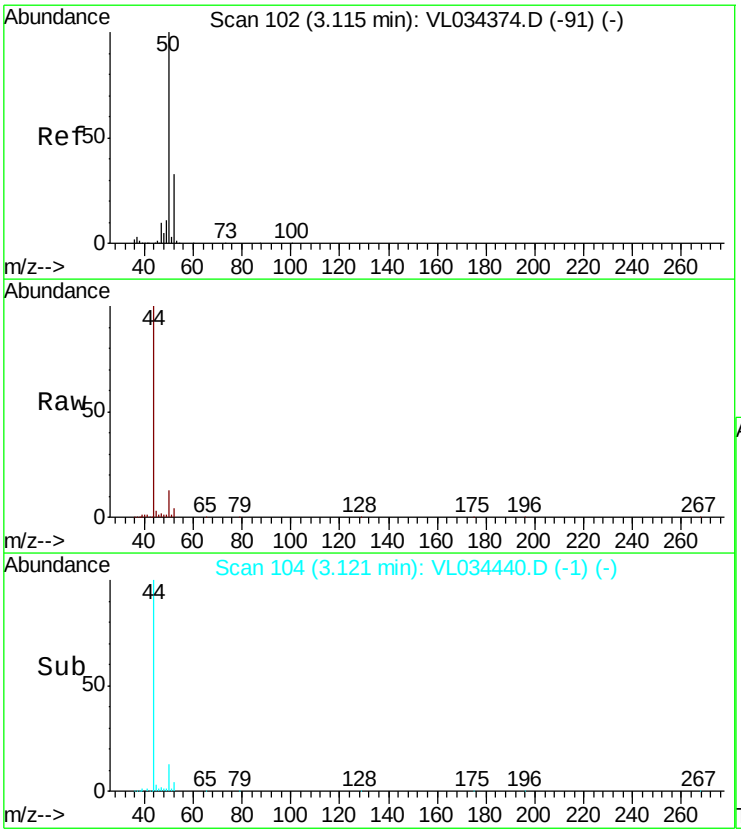
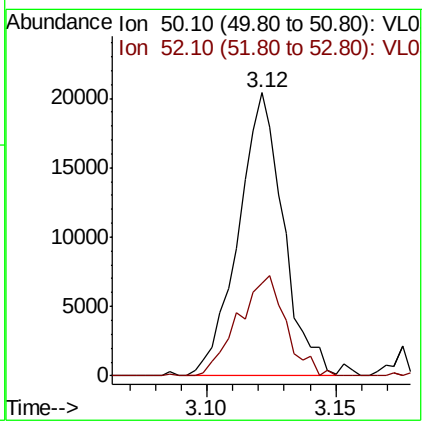
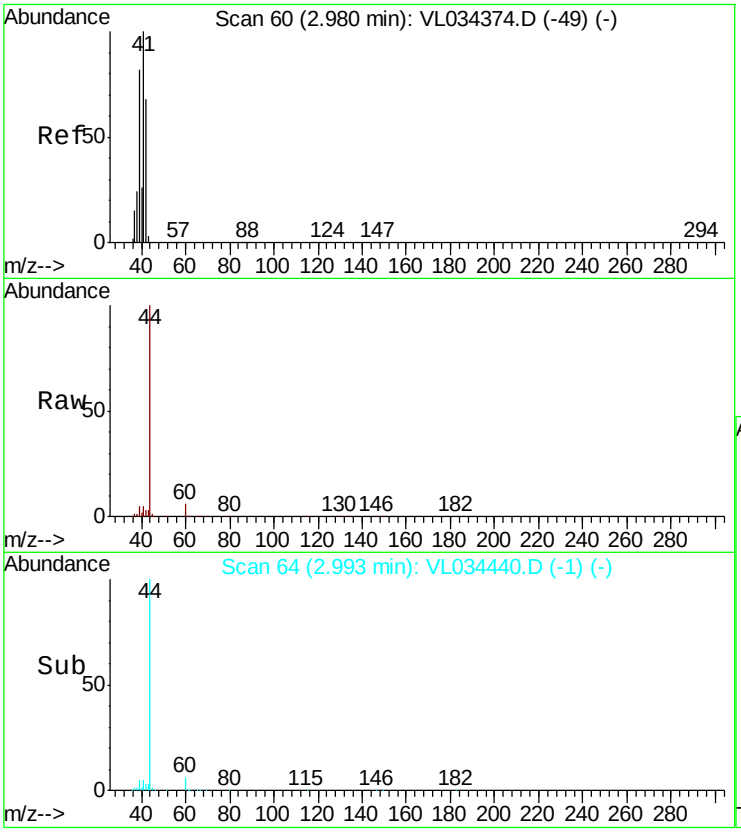


#4
Chloromethane
Concen: 0.458 ppbv
RT: 3.12 min Scan# 104
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 50 Resp: 24863

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2





#9
Propene
Concen: 0.746 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 41 Resp: 30500

Ion	Ratio	Lower	Upper
41	100		
42	58.2	54.6	82.0

Instrument :
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ClientSampleId :
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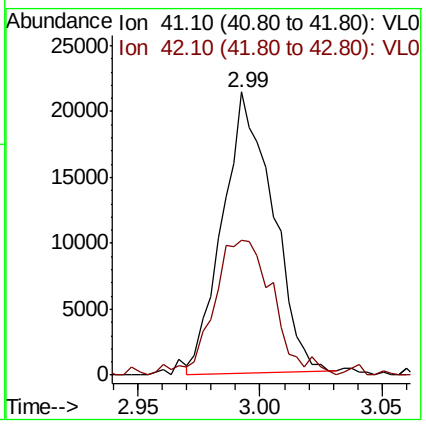
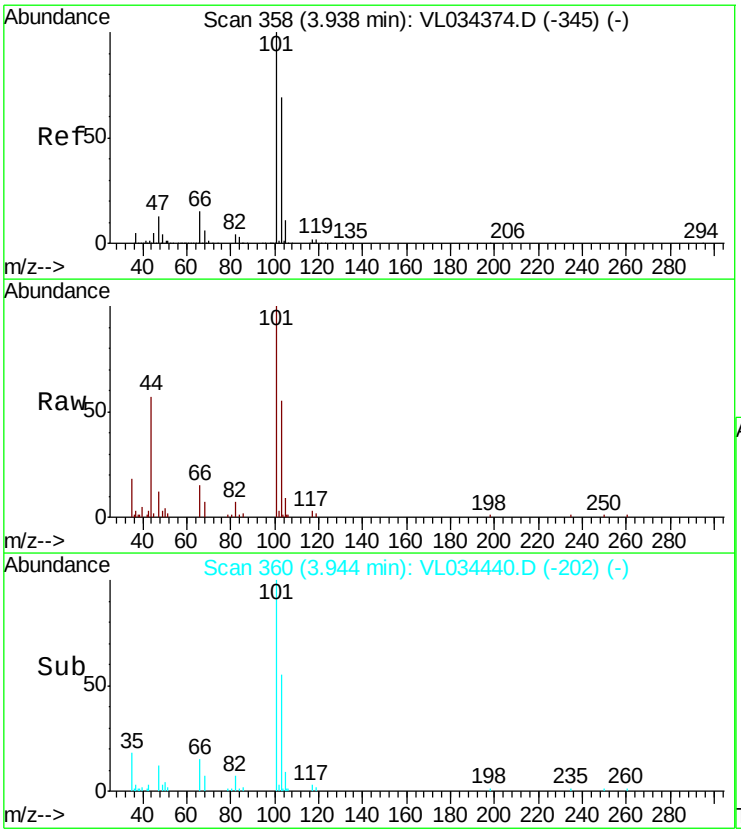
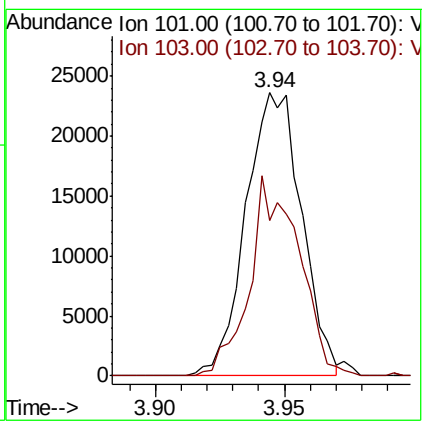


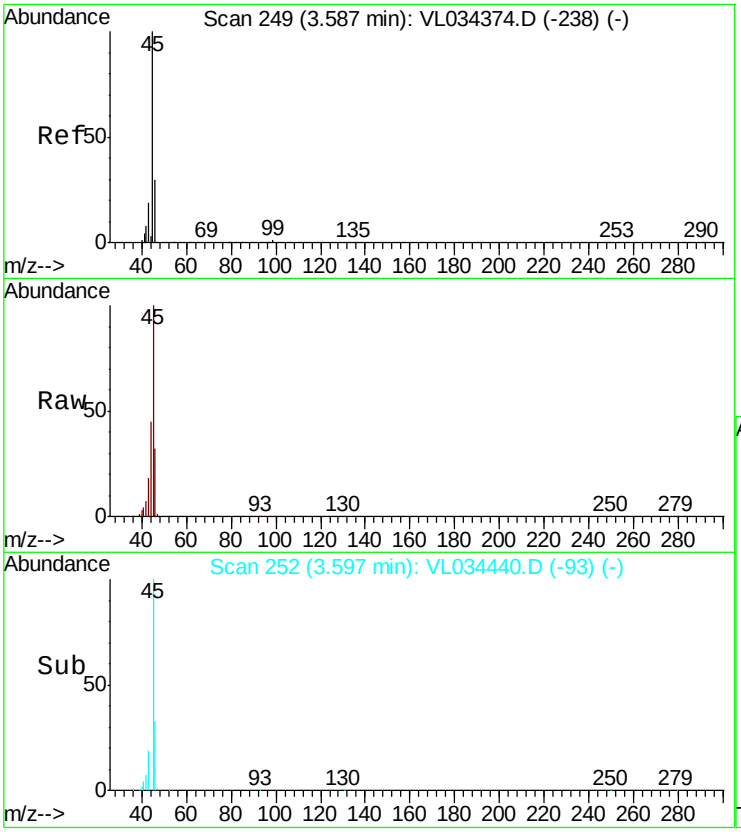


#11
Trichlorofluoromethane
Concen: 0.268 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion:101 Resp: 35658

Ion	Ratio	Lower	Upper
101	100		
103	54.8	55.4	83.0#

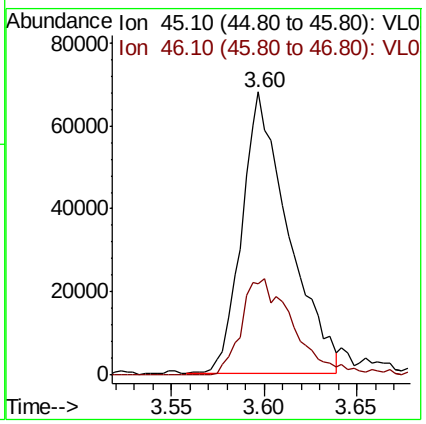




#13
Ethanol
Concen: 10.458 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 45 Resp: 119165

Ion	Ratio	Lower	Upper
45	100		
46	39.4	13.8	55.4



Instrument :
MSVOA_L
ClientSampleId :
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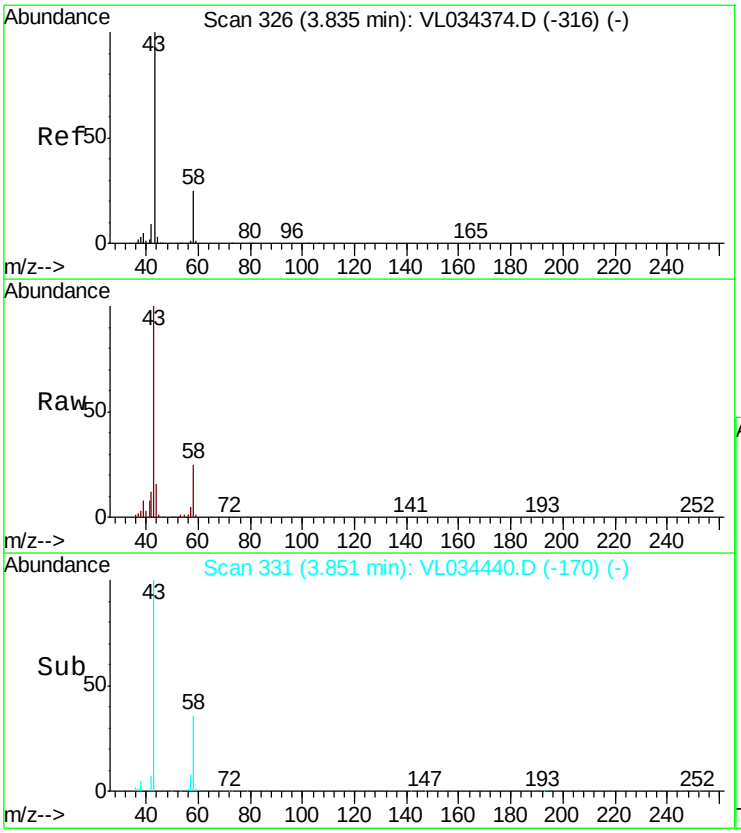
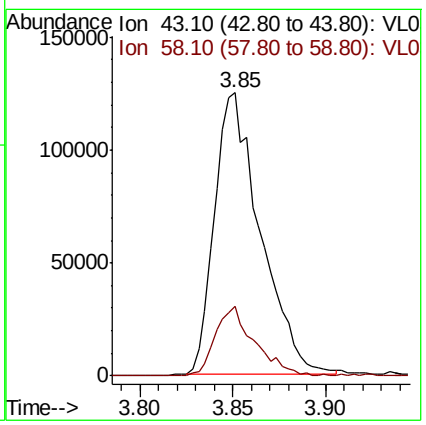
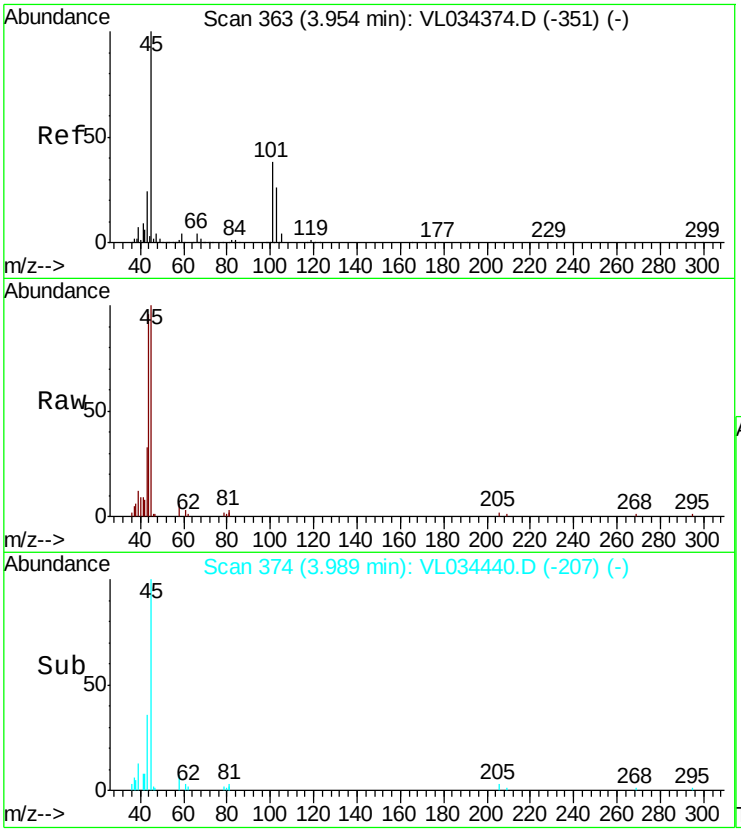


#15
Acetone
Concen: 2.016 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 43 Resp: 213184

Ion	Ratio	Lower	Upper
43	100		
58	21.4	20.2	30.4





#19
Isopropyl Alcohol
Concen: 0.507 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 45 Resp: 34386

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#

Instrument :
MSVOA_L
ClientSampleId :
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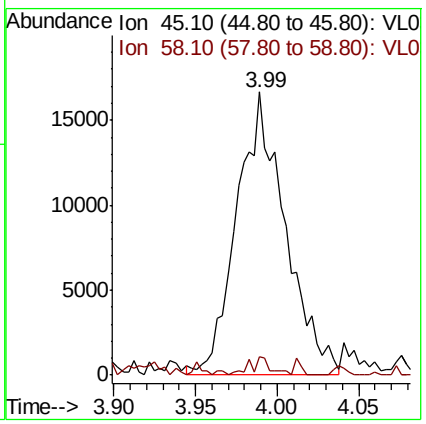
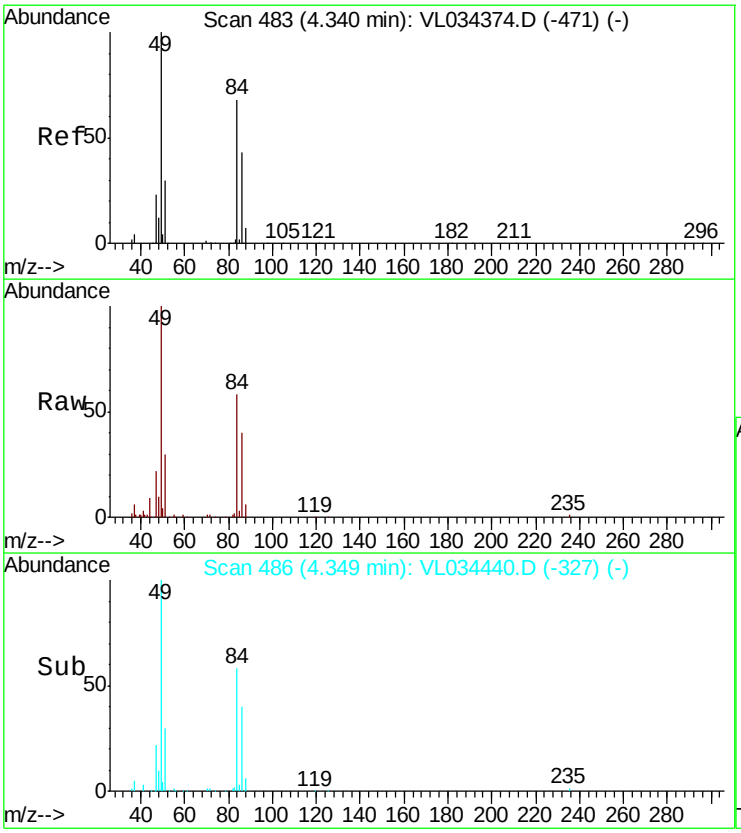
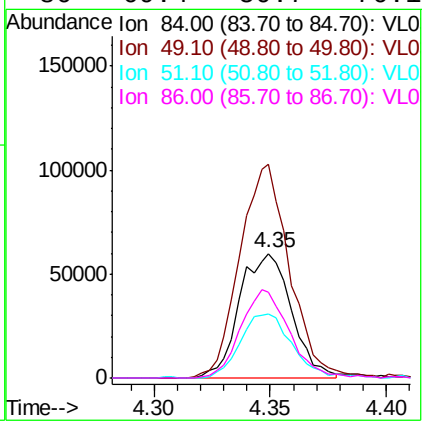


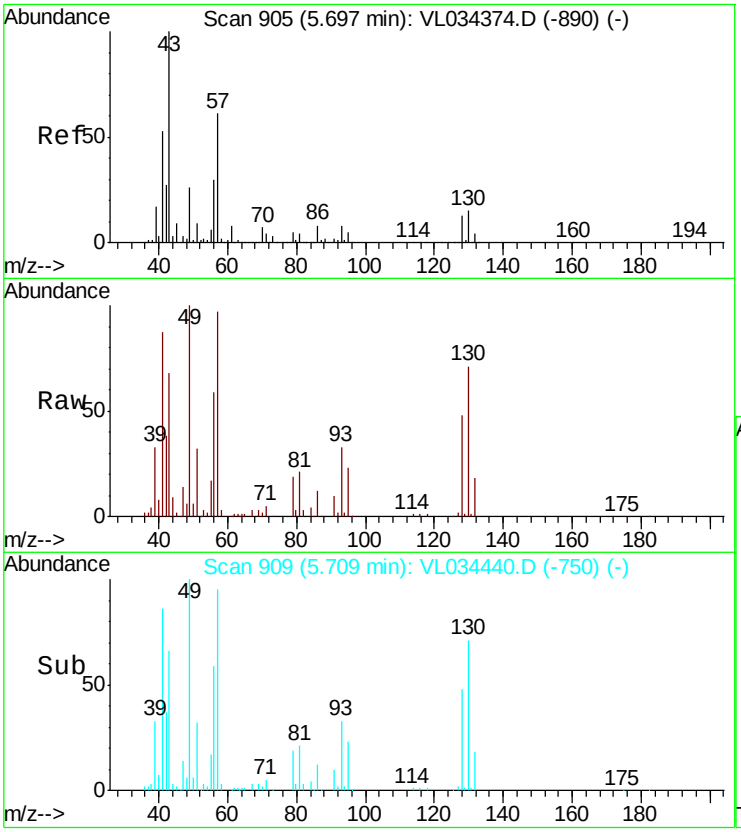


#20
Methylene Chloride
Concen: 2.478 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 84 Resp: 92922

Ion	Ratio	Lower	Upper
84	100		
49	171.5	116.8	175.2
51	51.3	35.6	53.4
86	69.4	50.7	76.1

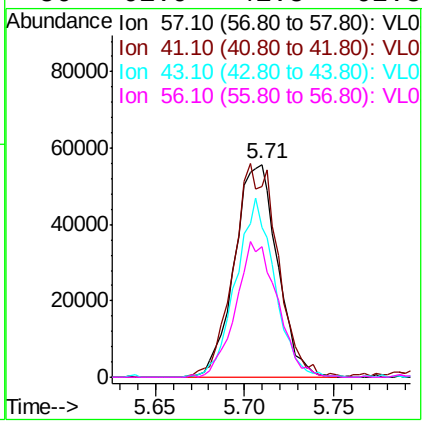




#26
Hexane
Concen: 1.159 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 57 Resp: 93935

Ion	Ratio	Lower	Upper
57	100		
41	102.6	75.0	112.4
43	75.8	186.6	279.8#
56	61.9	41.5	62.3



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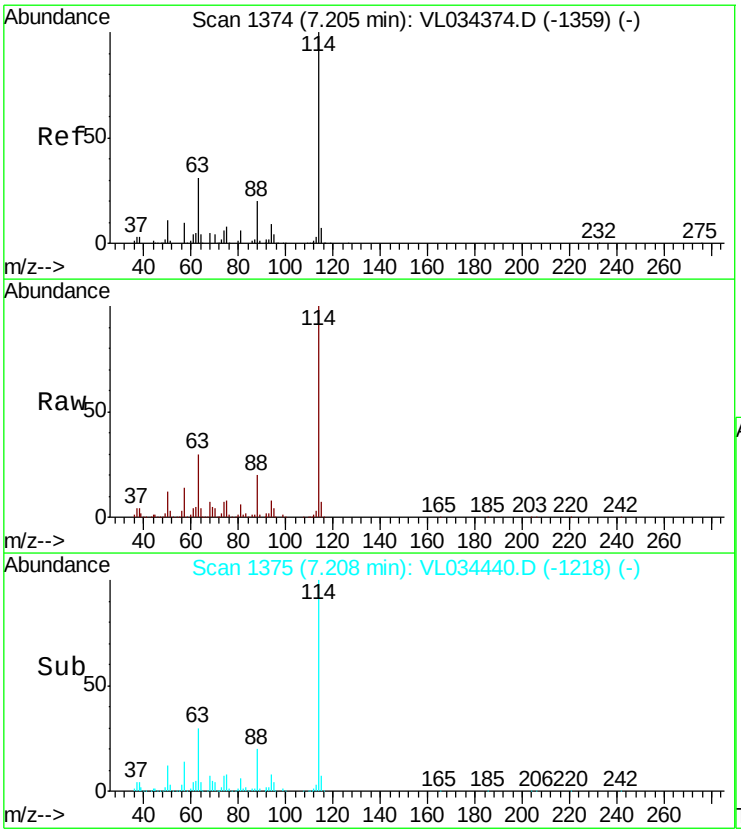
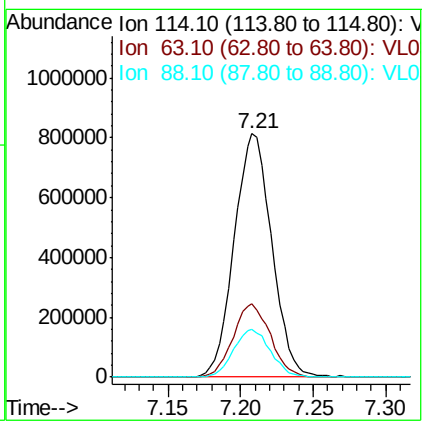
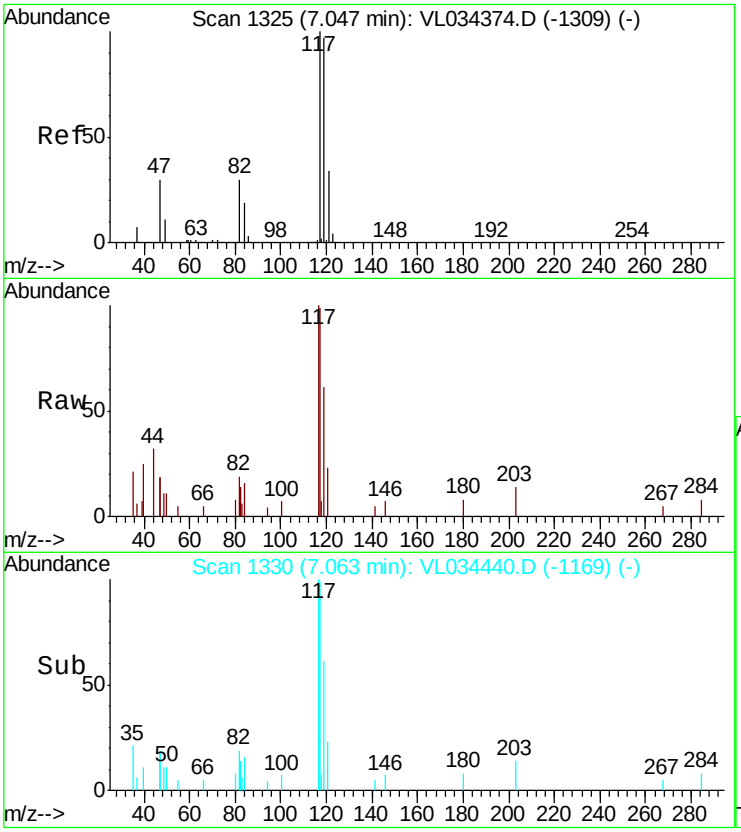


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion:114 Resp: 1465174

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.2	15.9	23.9

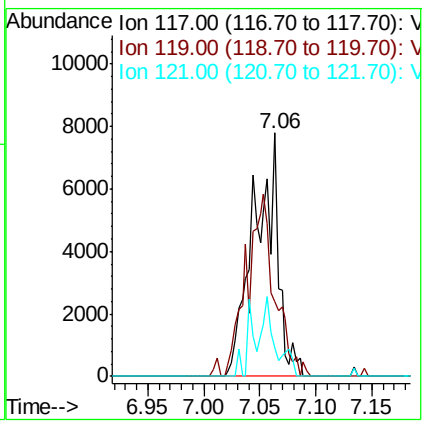




#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 7.06 min Scan# 1330
Delta R.T. 0.02 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion:117 Resp: 11691

Ion	Ratio	Lower	Upper
117	100		
119	60.6	77.3	115.9#
121	23.5	27.4	41.2#



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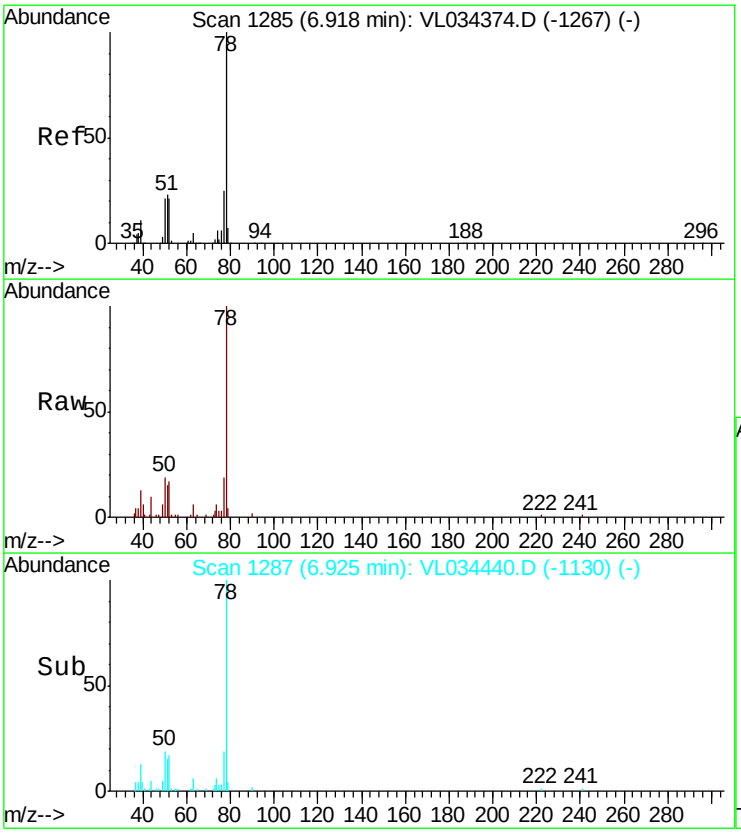
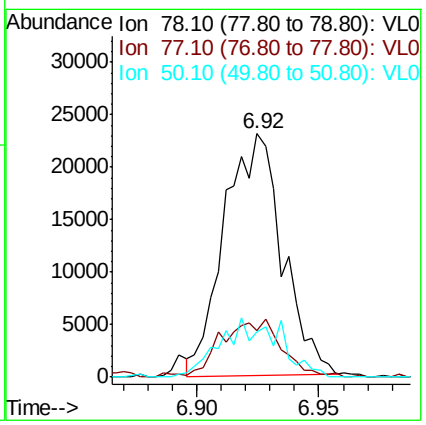
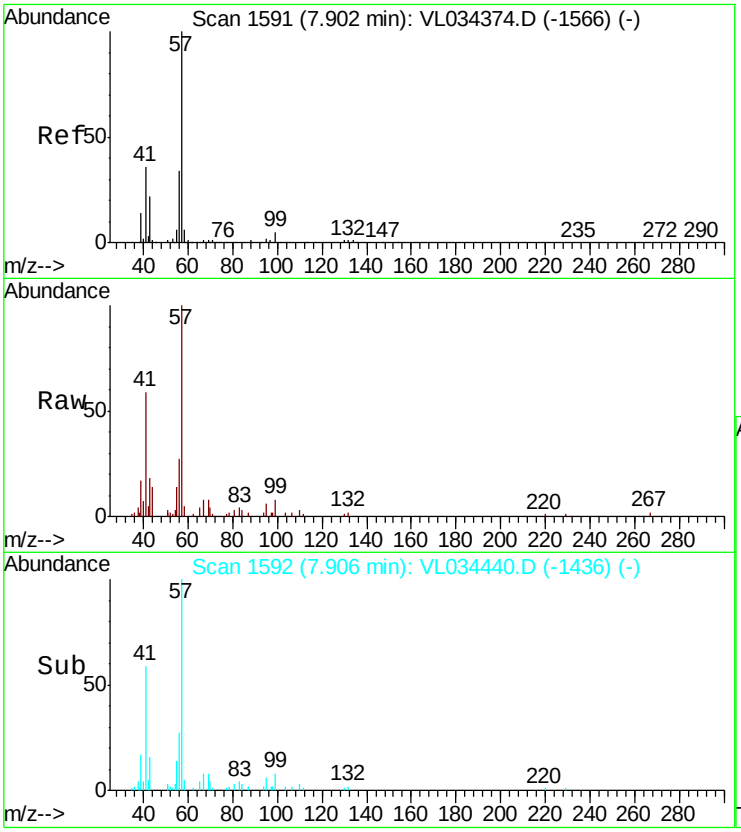


#36
Benzene
Concen: 0.260 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 78 Resp: 38050

Ion	Ratio	Lower	Upper
78	100		
77	18.4	20.2	30.4#
50	19.0	17.1	25.7

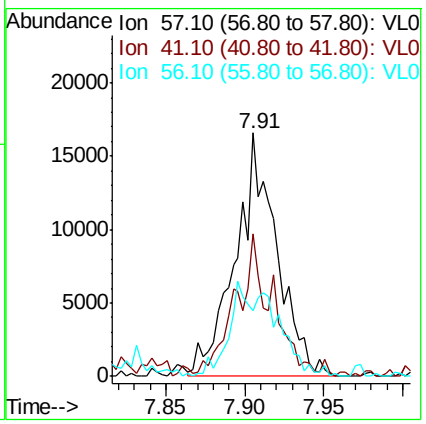




#44
2,2,4-Trimethylpentane
Concen: 0.113 ppbv m
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 57 Resp: 30220

Ion	Ratio	Lower	Upper
57	100		
41	53.1	28.6	42.8#
56	45.0	25.3	37.9#



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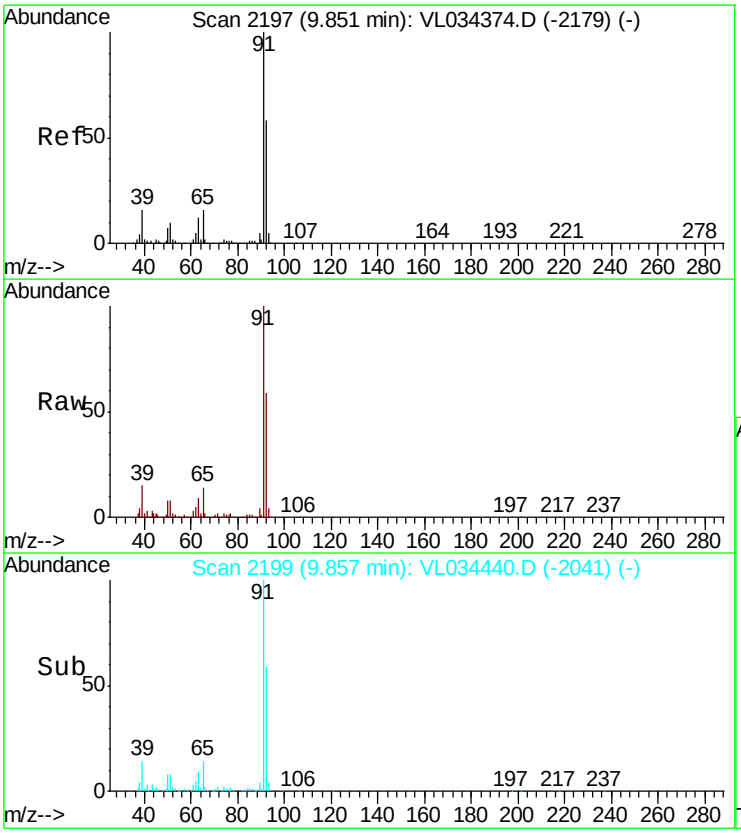
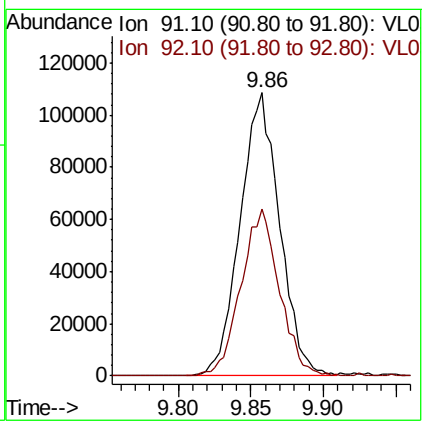
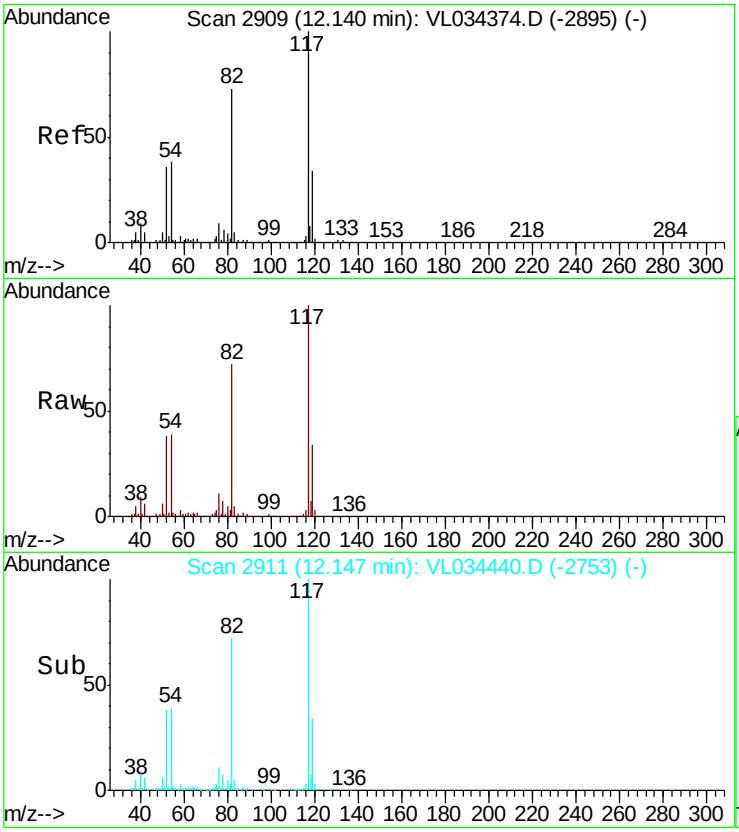


#53
Toluene
Concen: 1.236 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 91 Resp: 205591

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.9	71.9

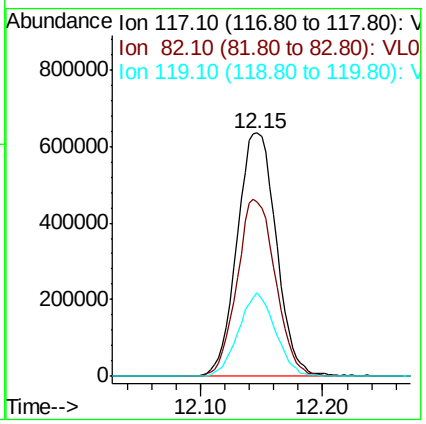




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion:117 Resp: 1403519

Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.5	86.3
119	32.5	25.4	38.2



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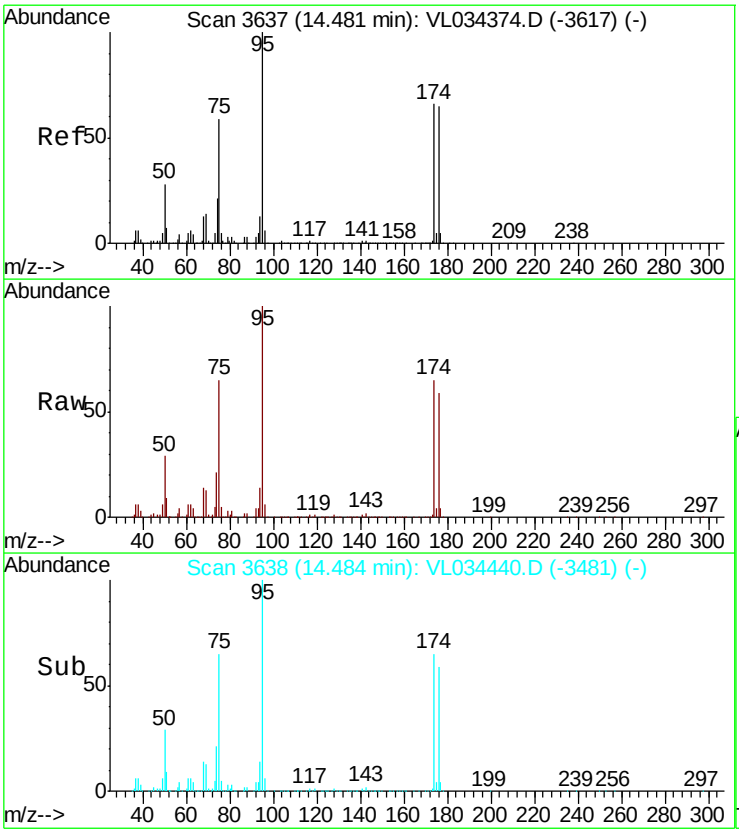
apatel
12/4/2019 4:48:18 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.325 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 95 Resp: 1219112

Ion	Ratio	Lower	Upper
95	100		
174	63.5	52.2	78.2
175	4.7	3.8	5.8