Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034547.D
Acq On : 2 Jan 2020 15:22
Operator : SY/AP
Sample : K6473-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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Quant Time: Jan 03 05:41:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 3
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	972242	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	1926960	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.13	117	1848936	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	1569394	10.17	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	41785	0.273	ppbv		92
3) Chlorodifluoromethane	2.95	51	99973m	0.863	ppbv		
4) Chloromethane	3.11	50	31831	0.463	ppbv	#	85
9) Propene	2.99	41	164454m	3.682	ppbv		
11) Trichlorofluoromethane	3.93	101	44127	0.249	ppbv		93
13) Ethanol	3.60	45	7843379	632.952	ppbv		93
15) Acetone	3.83	43	997002	7.027	ppbv		100
17) tert-Butyl alcohol	4.30	59	45297m	0.399	ppbv		
19) Isopropyl Alcohol	3.97	45	700294	7.624	ppbv	#	98
20) Methylene Chloride	4.33	84	61459	1.101	ppbv		94
29) Chloroform	5.75	83	27899	0.173	ppbv		89
34) 2-Butanone	5.24	43	151305	1.099	ppbv		96
35) Carbon Tetrachloride	7.02	117	11279m	0.065	ppbv		
36) Benzene	6.90	78	36034	0.215	ppbv		94
41) Tetrahydrofuran	6.06	42	25502m	0.361	ppbv		
52) Tetrachloroethene	11.26	164	50095m	0.764	ppbv		
53) Toluene	9.84	91	151268	0.820	ppbv		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034547.D
Acq On : 2 Jan 2020 15:22
Operator : SY/AP
Sample : K6473-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 03 05:41:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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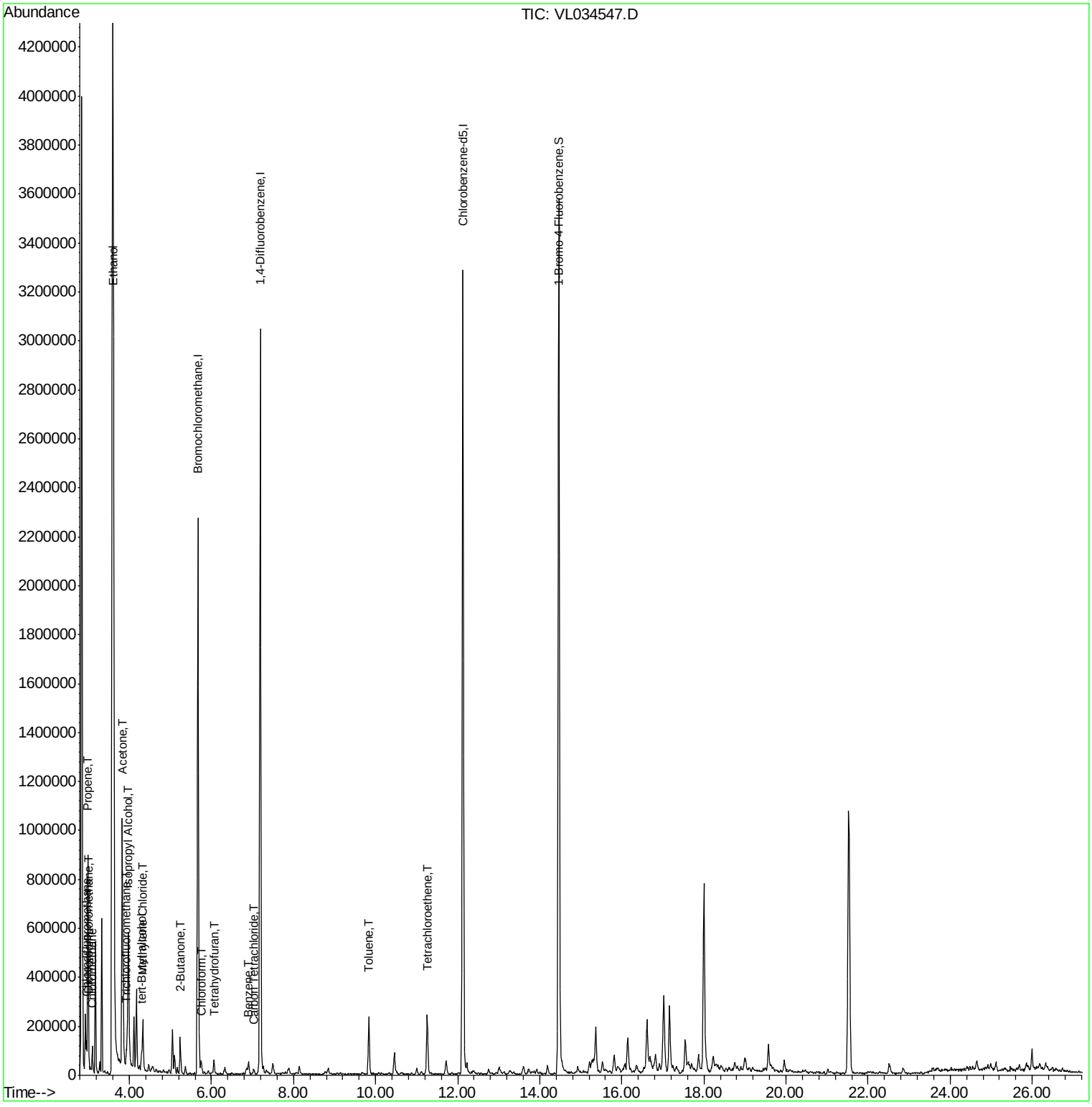
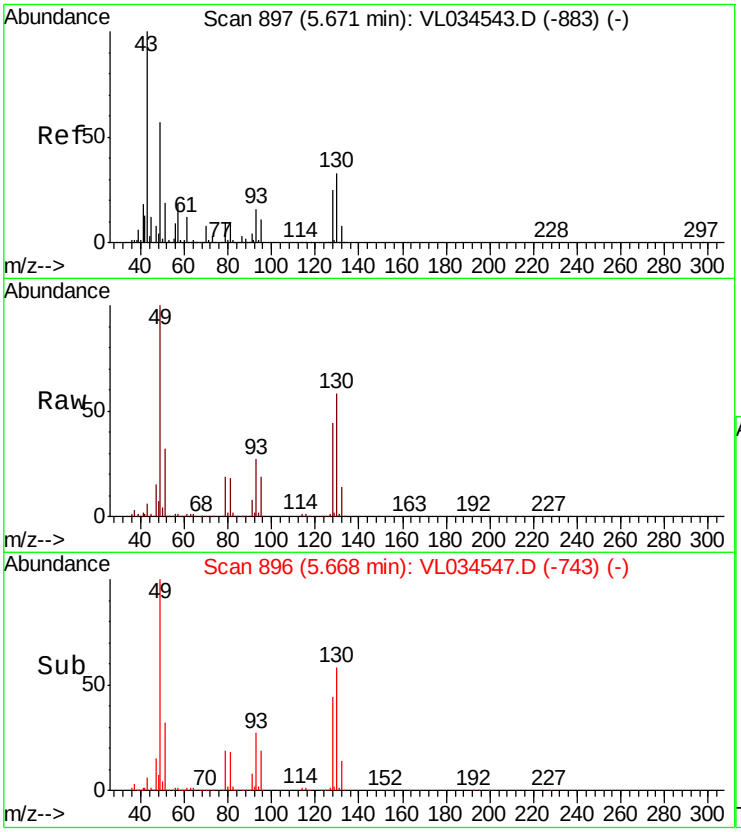
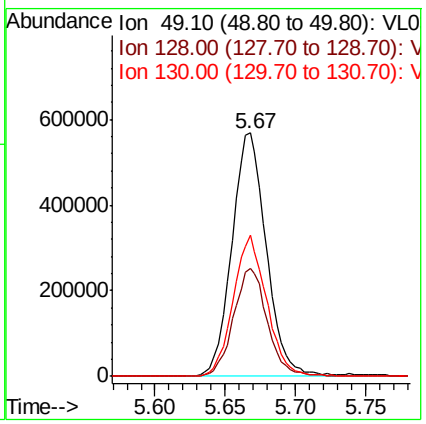




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 49 Resp: 972242

Ion	Ratio	Lower	Upper
49	100		
128	43.6	22.4	67.2
130	56.8	28.3	85.0



Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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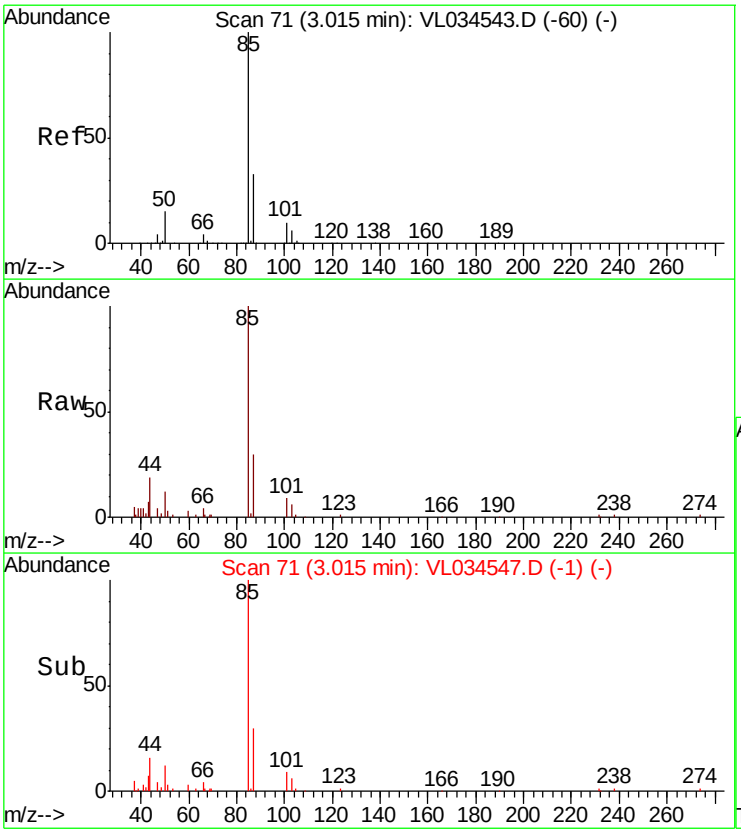
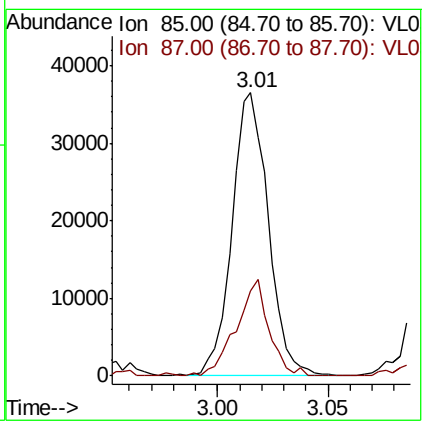
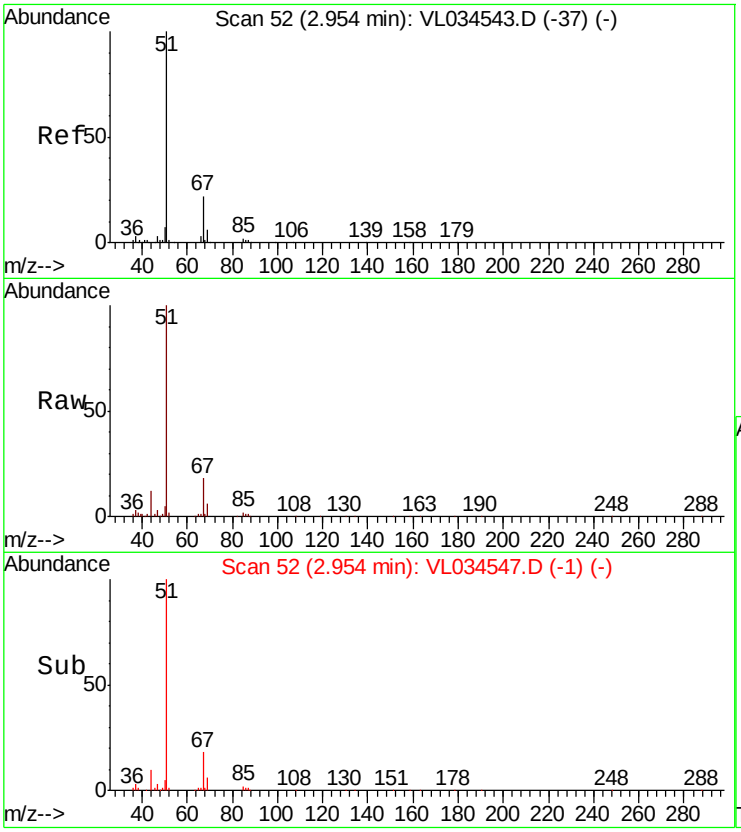


#2
Dichlorodifluoromethane
Concen: 0.273 ppbv
RT: 3.01 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 85 Resp: 41785

Ion	Ratio	Lower	Upper
85	100		
87	30.1	27.9	41.9

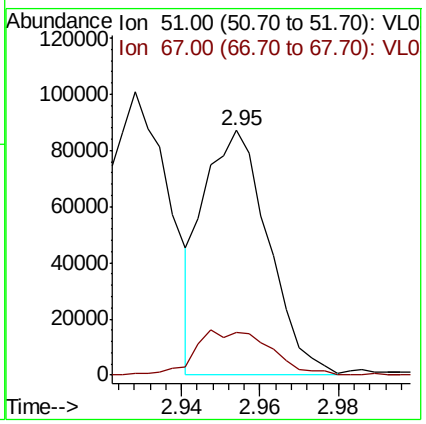




#3
Chlorodifluoromethane
Concen: 0.863 ppbv m
RT: 2.95 min Scan# 52
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 51 Resp: 99973

Ion	Ratio	Lower	Upper
51	100		
67	21.6	16.8	25.2



Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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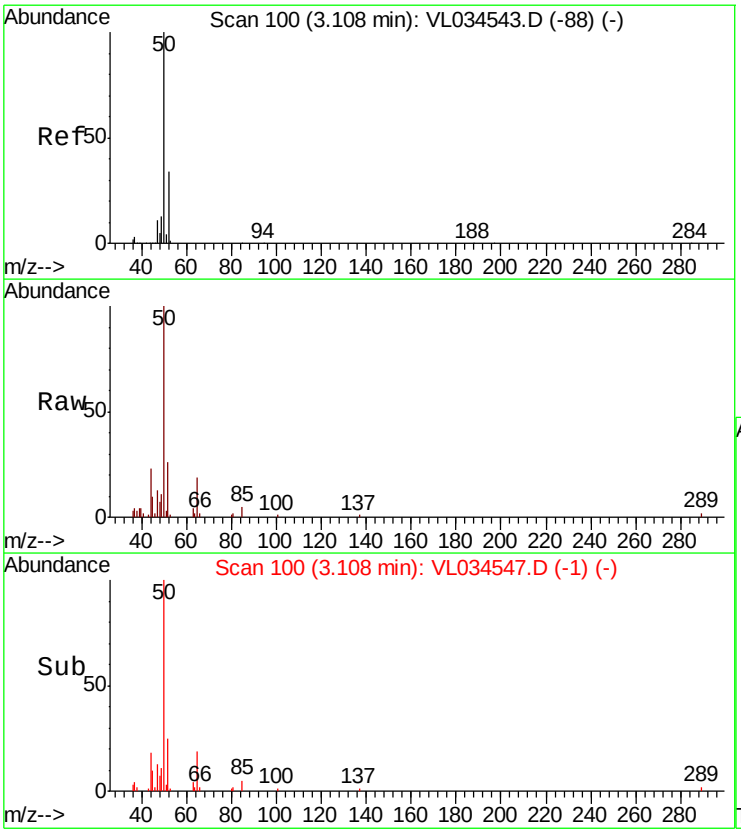
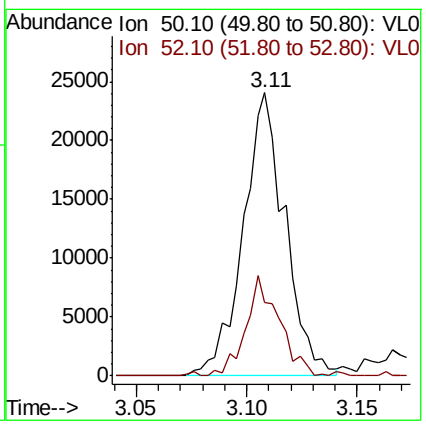
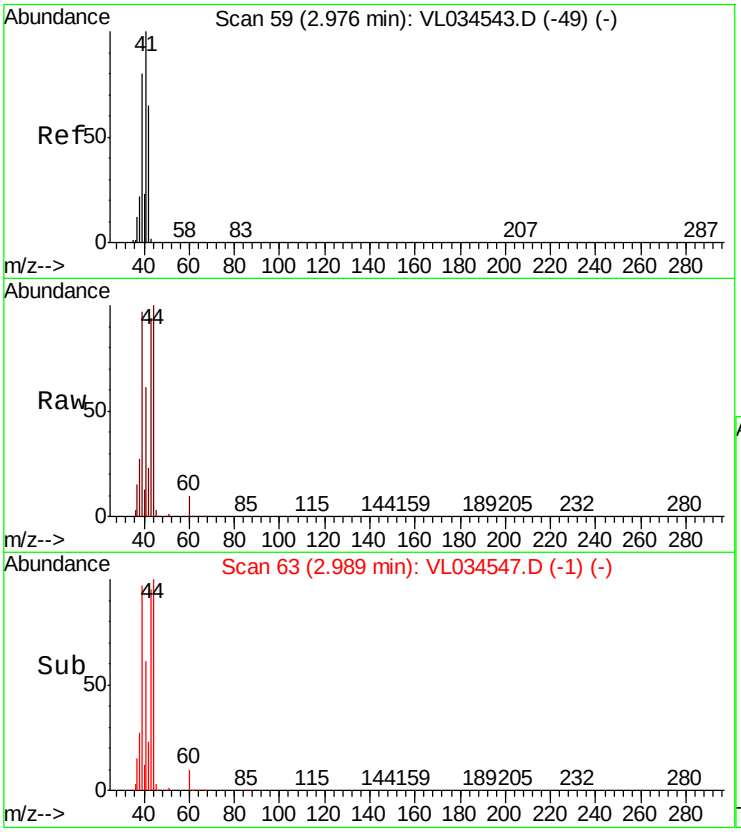


#4
Chloromethane
Concen: 0.463 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 50 Resp: 31831

Ion	Ratio	Lower	Upper
50	100		
52	26.1	27.6	41.4#





#9
Propene
Concen: 3.682 ppbv m
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 41 Resp: 164454

Ion	Ratio	Lower	Upper
41	100		
42	52.1	55.8	83.6#

Instrument :
MSVOA_L
ClientSampleId :
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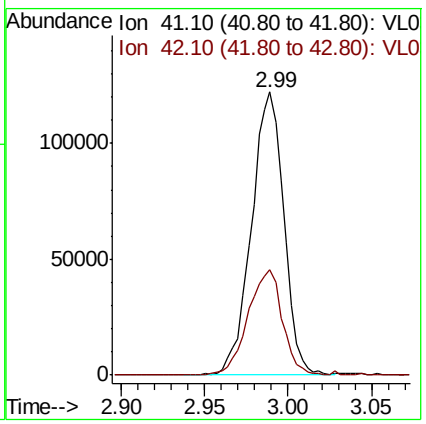
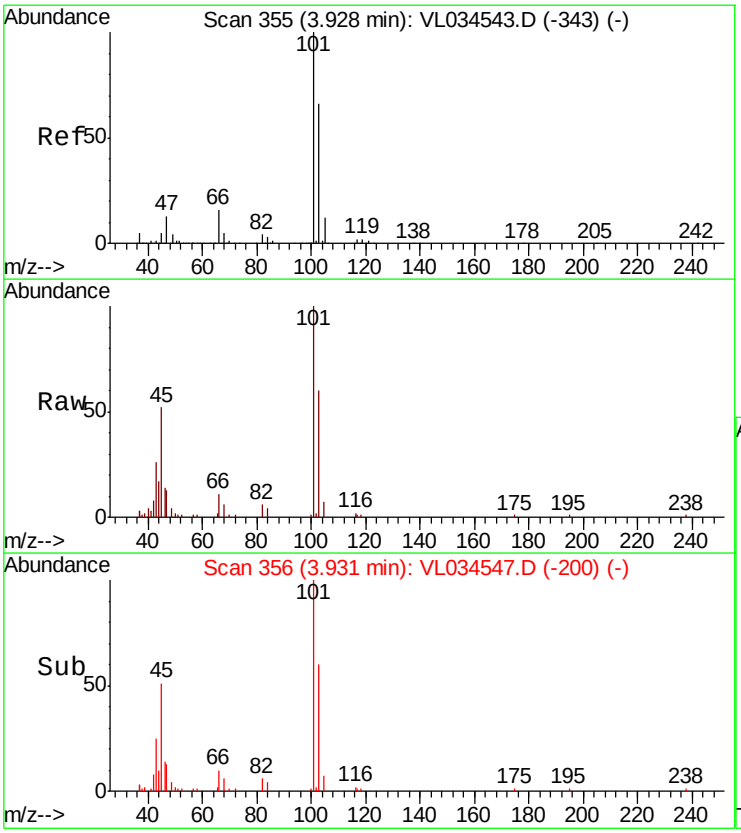
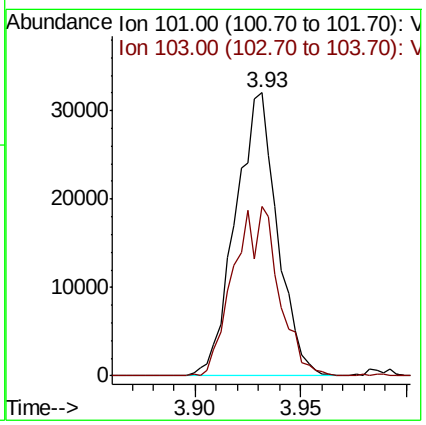


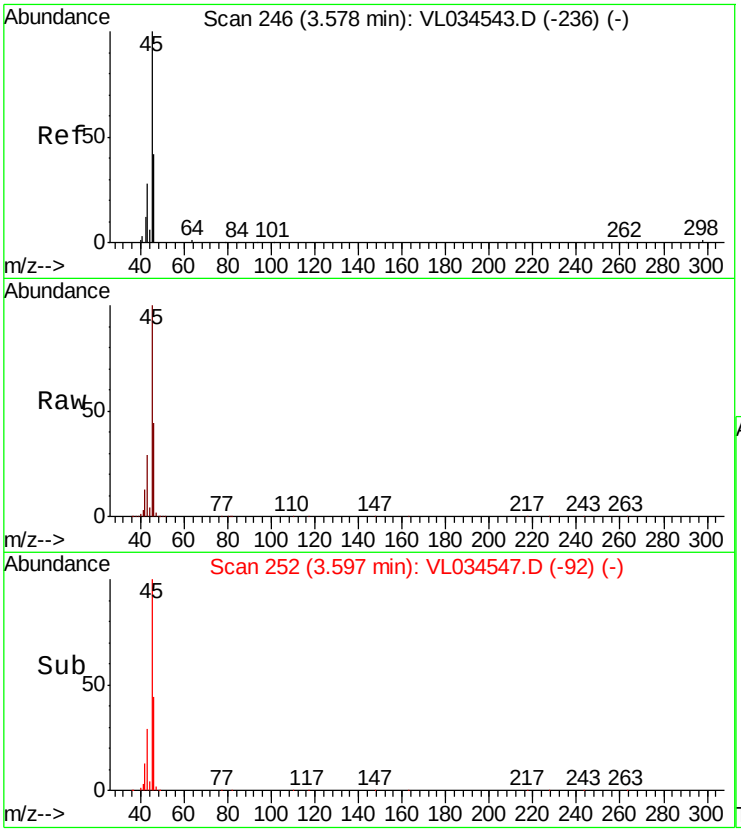


#11
Trichlorofluoromethane
Concen: 0.249 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion:101 Resp: 44127

Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.1	78.1

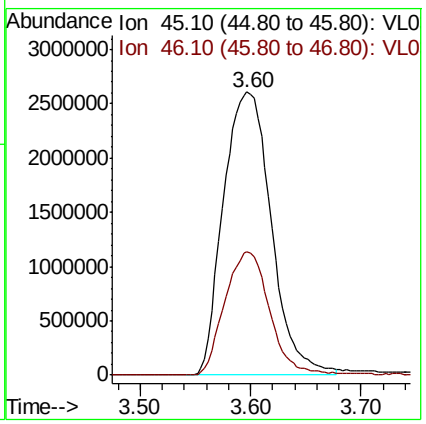




#13
Ethanol
Concen: 632.952 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 45 Resp: 7843379

Ion	Ratio	Lower	Upper
45	100		
46	41.2	14.9	59.7



Instrument :
MSVOA_L
ClientSampleId :
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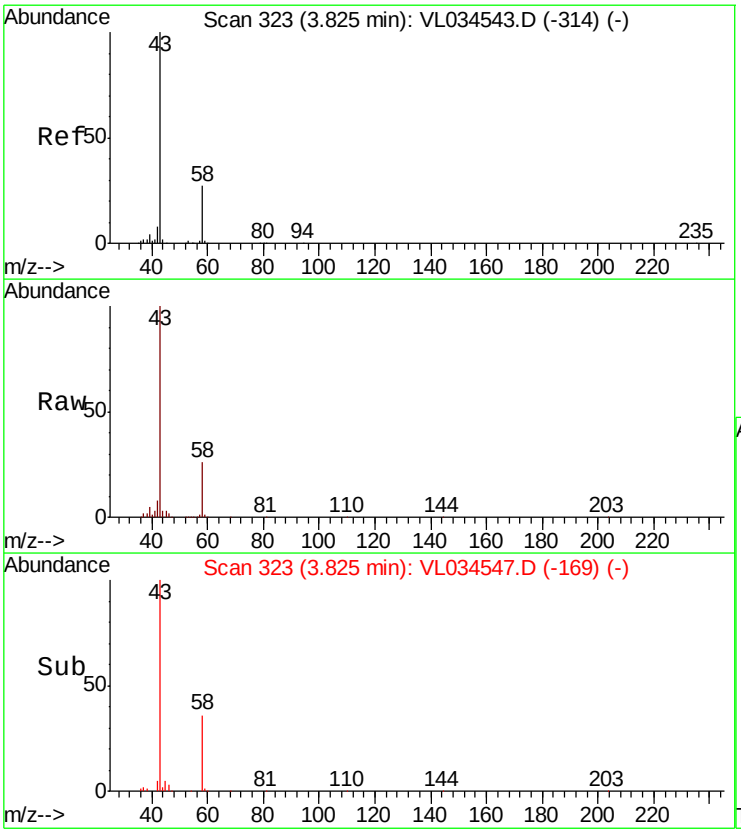
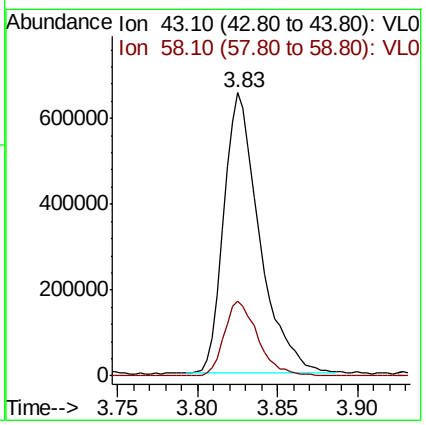
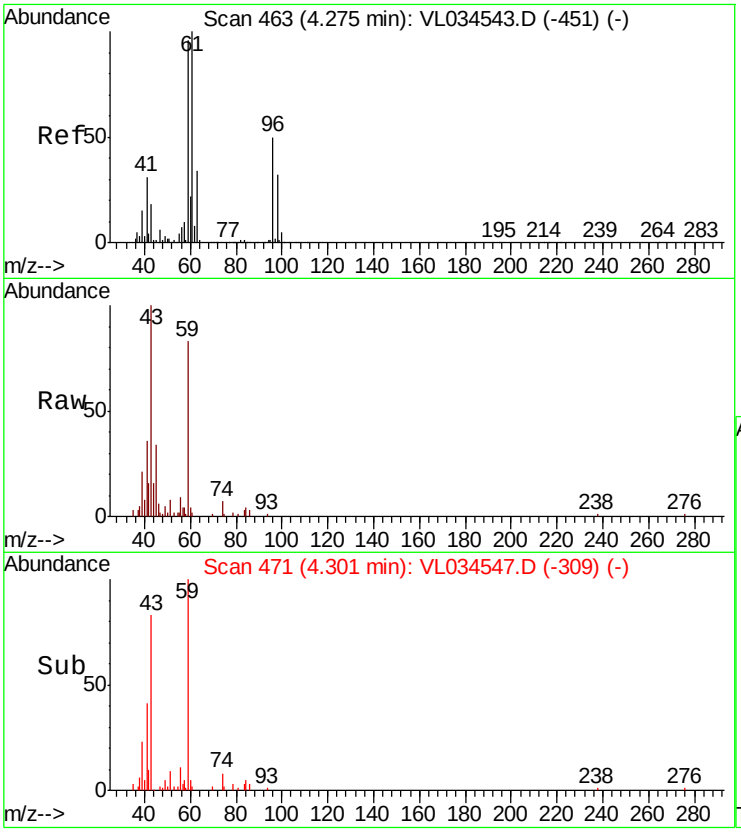


#15
Acetone
Concen: 7.027 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 43 Resp: 997002

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.4	30.6





#17
tert-Butyl alcohol
Concen: 0.399 ppbv m
RT: 4.30 min Scan# 471
Delta R.T. 0.02 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 59 Resp: 45297

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

Instrument :
MSVOA_L
ClientSampleId :
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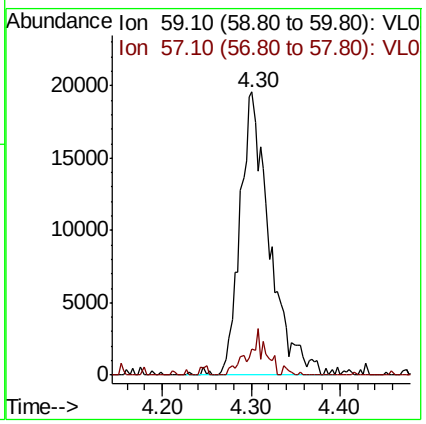
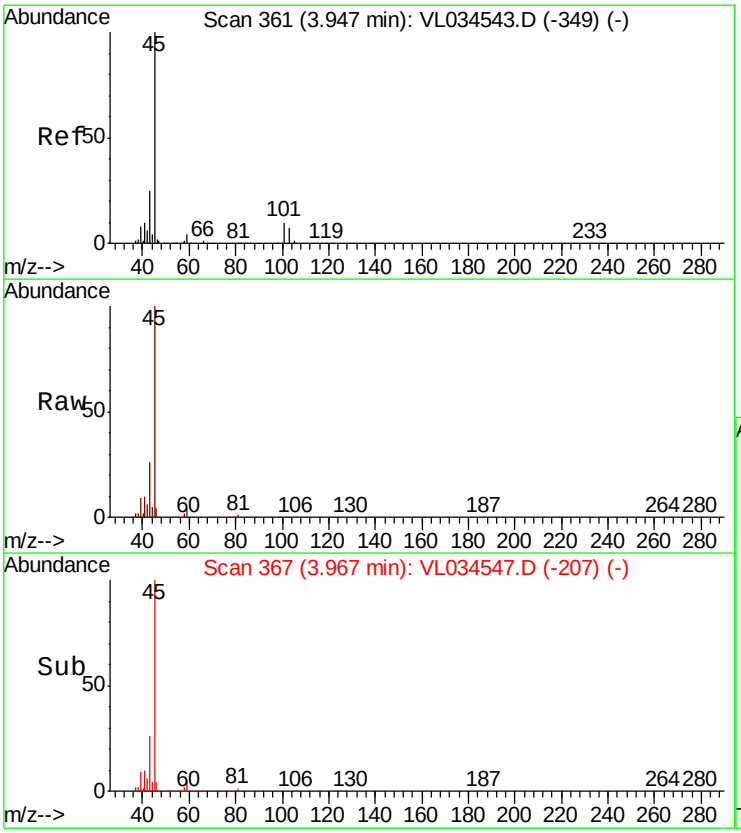
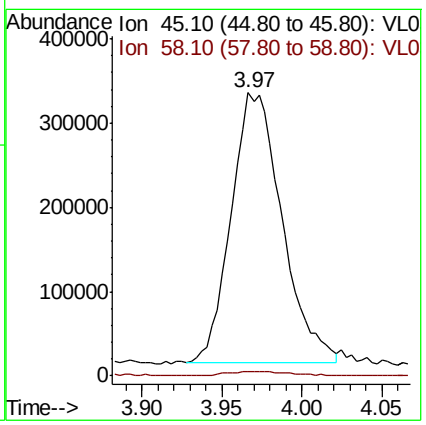


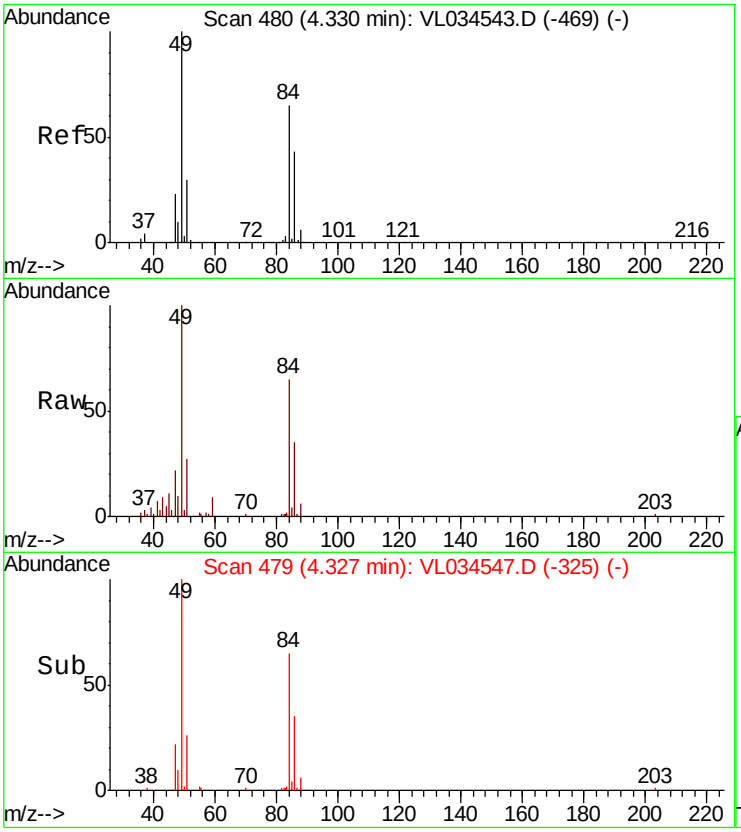


#19
Isopropyl Alcohol
Concen: 7.624 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 45 Resp: 700294

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.0#

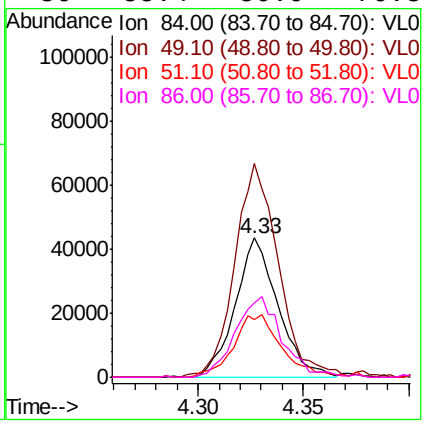




#20
Methylene Chloride
Concen: 1.101 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 84 Resp: 61459

Ion	Ratio	Lower	Upper
84	100		
49	151.1	124.4	186.6
51	40.6	37.0	55.6
86	55.4	50.9	76.3



Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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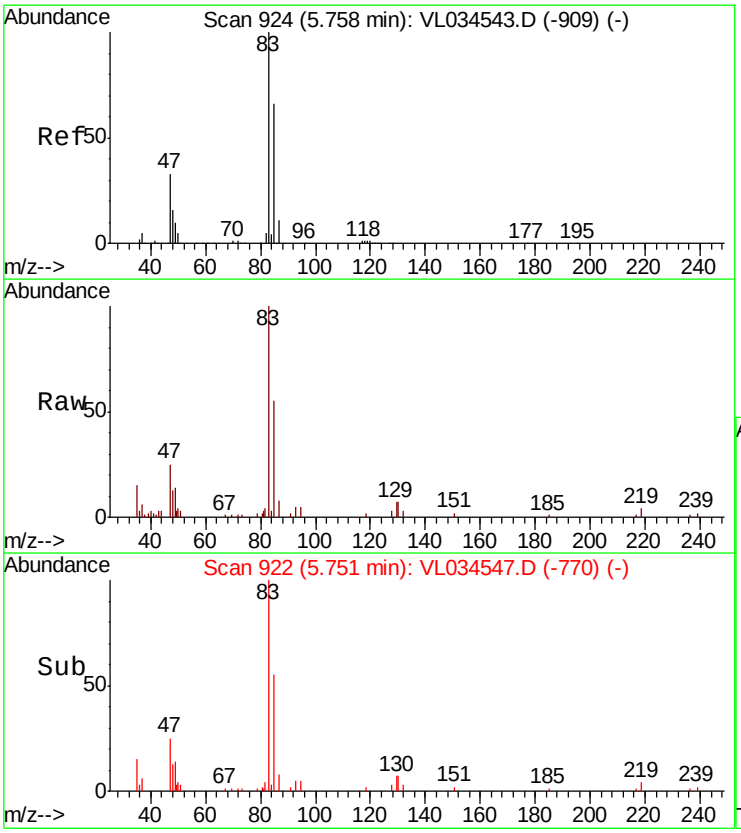
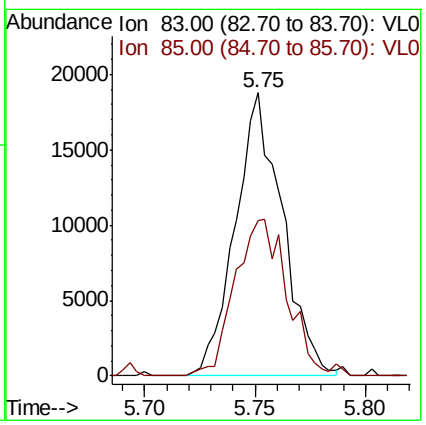
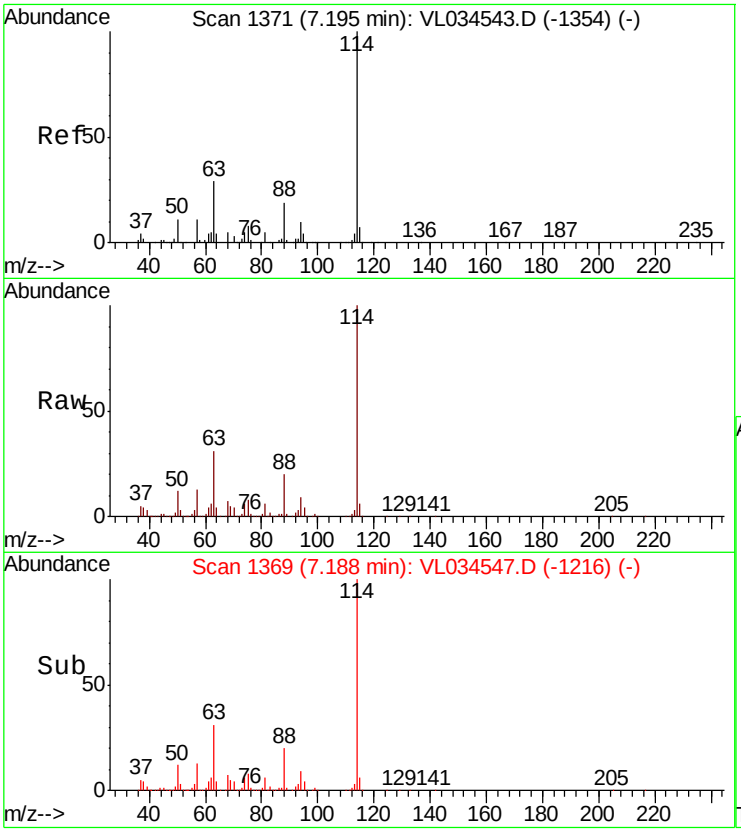


#29
Chloroform
Concen: 0.173 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 83 Resp: 27899

Ion	Ratio	Lower	Upper
83	100		
85	55.1	51.0	76.6

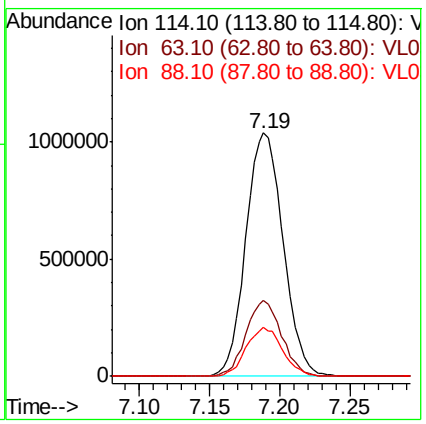




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion:114 Resp: 1926960

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.1	36.1
88	19.6	15.7	23.5



Instrument :
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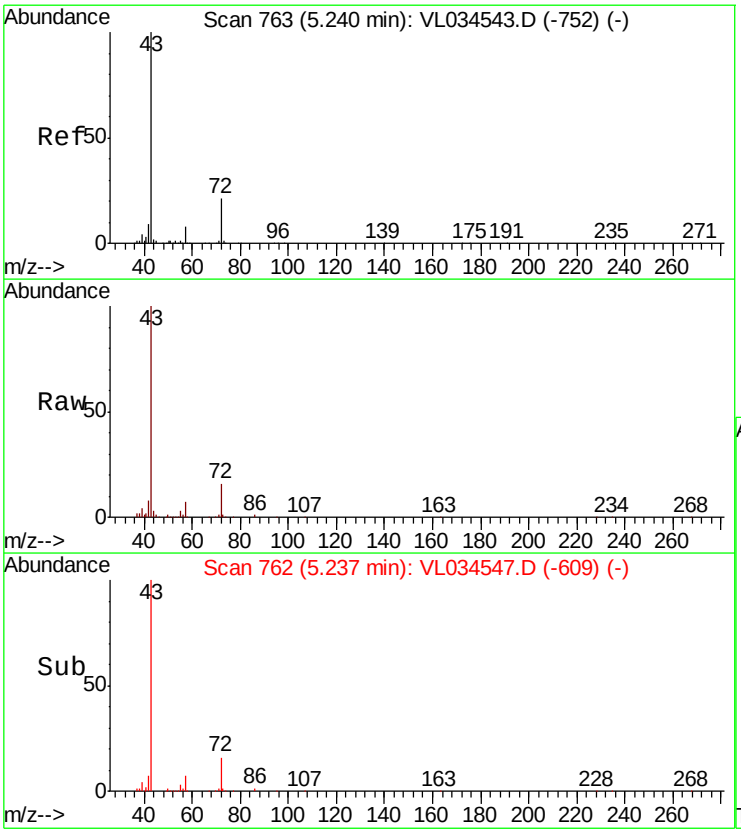
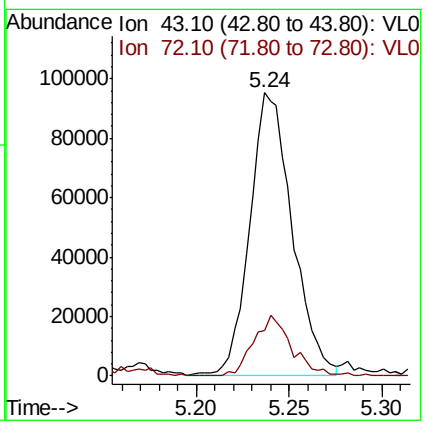
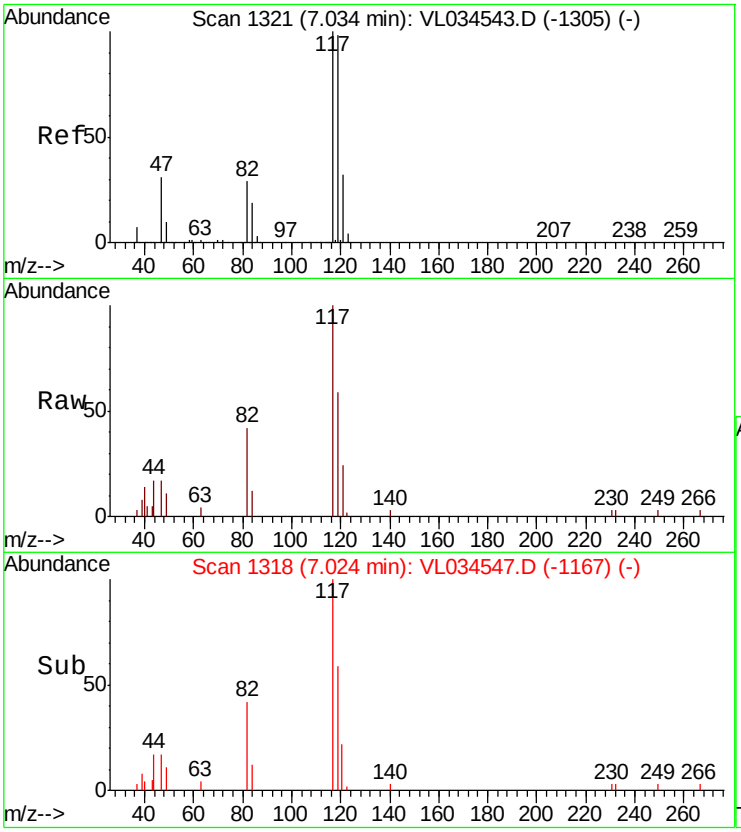


#34
2-Butanone
Concen: 1.099 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 43 Resp: 151305

Ion	Ratio	Lower	Upper
43	100		
72	19.4	17.0	25.4

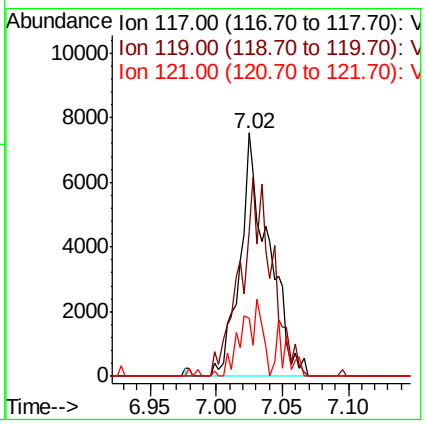




#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion:117 Resp: 11279

Ion	Ratio	Lower	Upper
117	100		
119	59.3	78.7	118.1#
121	24.0	25.9	38.9#



Instrument :
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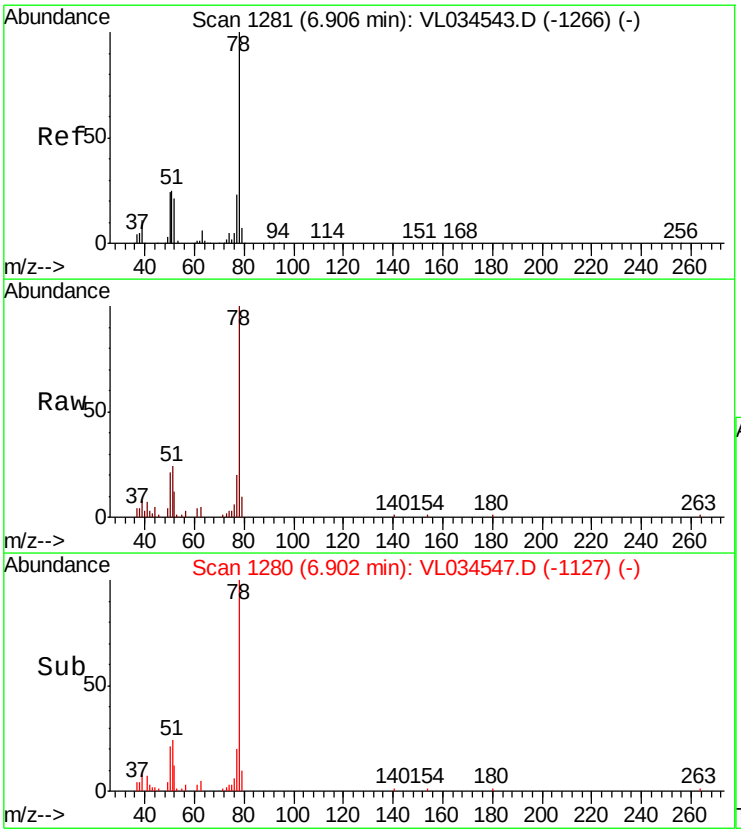
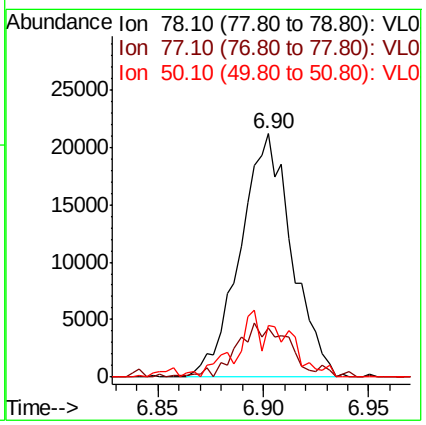
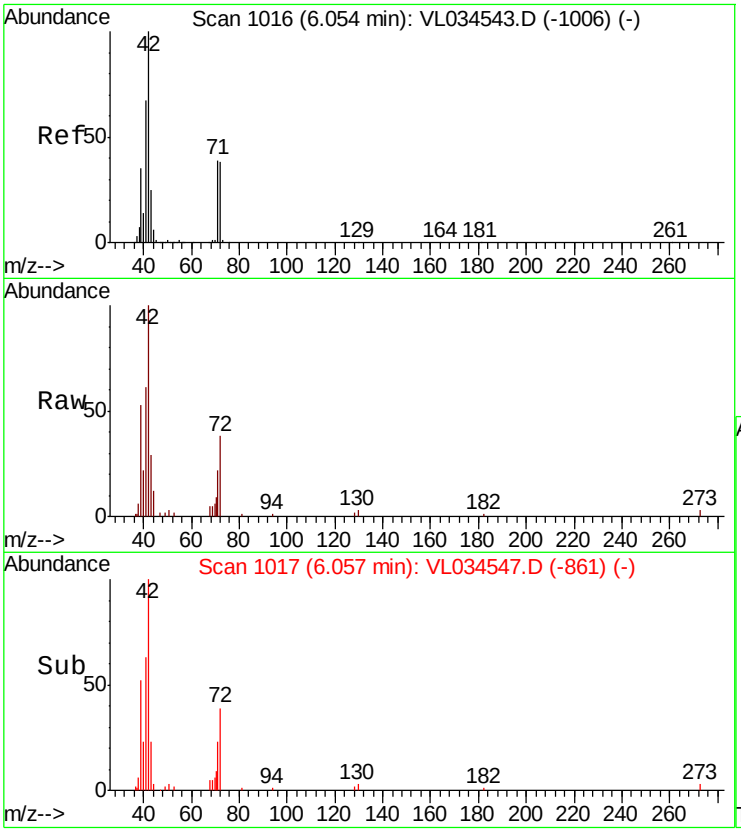


#36
Benzene
Concen: 0.215 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 78 Resp: 36034

Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.6	28.0
50	21.1	18.8	28.2





#41
Tetrahydrofuran
Concen: 0.361 ppbv m
RT: 6.06 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 42 Resp: 25502

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.9	43.3#

Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

Manual Integrations APPROVED
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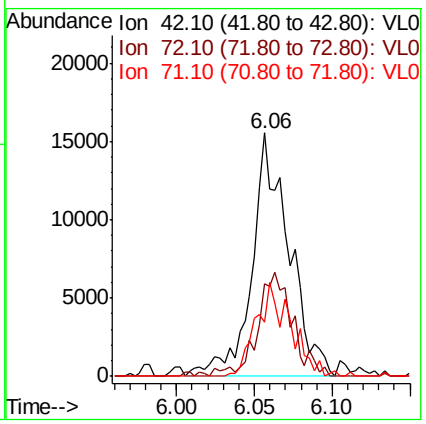
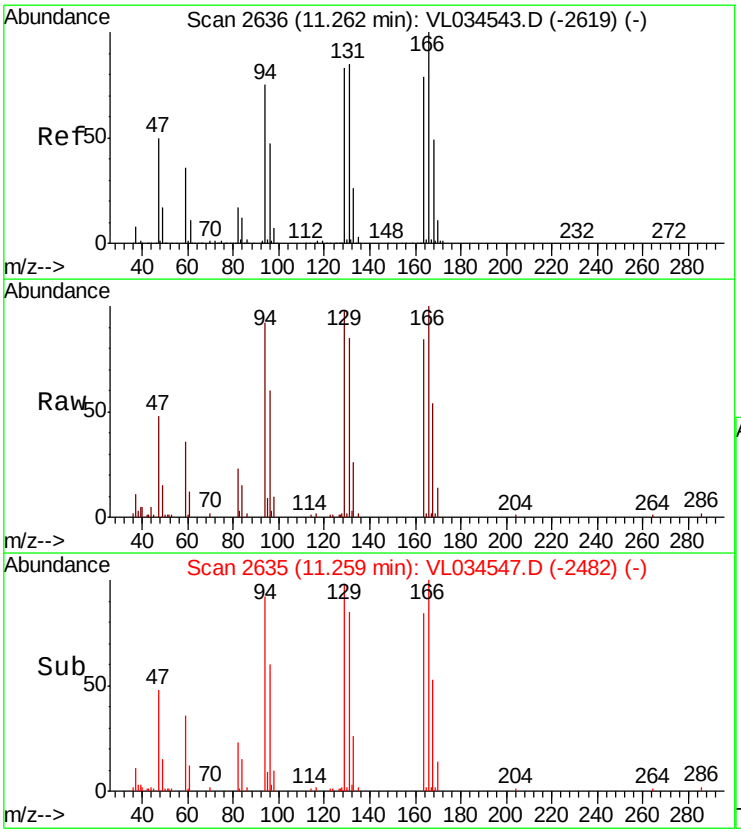
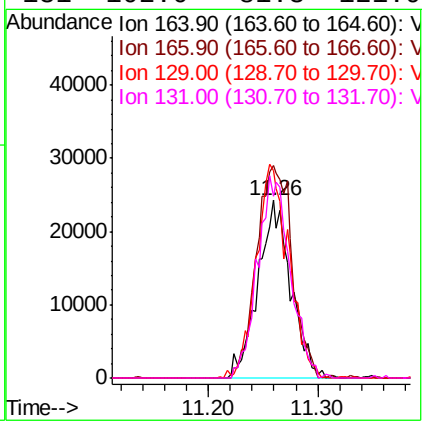


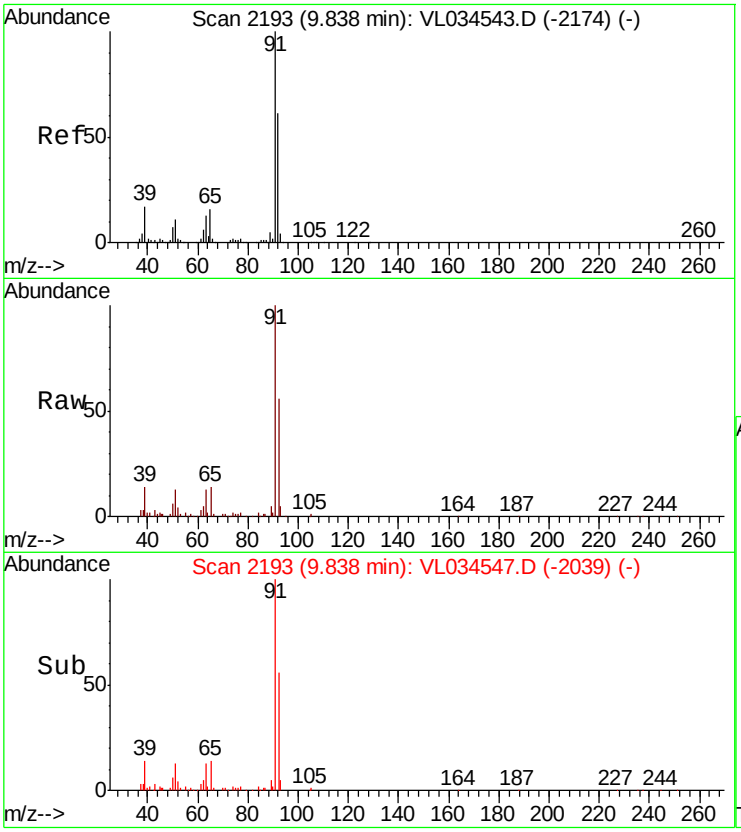


#52
Tetrachloroethene
Concen: 0.764 ppbv m
RT: 11.26 min Scan# 2635
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion:164 Resp: 50095

Ion	Ratio	Lower	Upper
164	100		
166	119.5	95.7	143.5
129	117.0	82.2	123.2
131	102.0	81.3	121.9

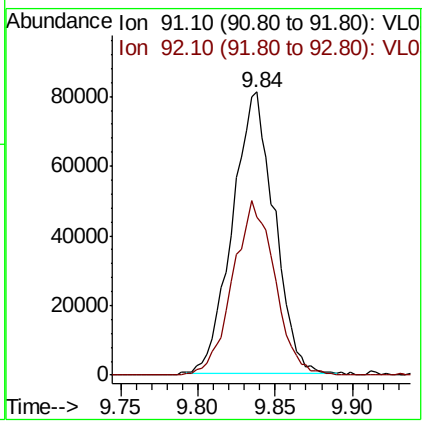




#53
Toluene
Concen: 0.820 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 91 Resp: 151268

Ion	Ratio	Lower	Upper
91	100		
92	62.5	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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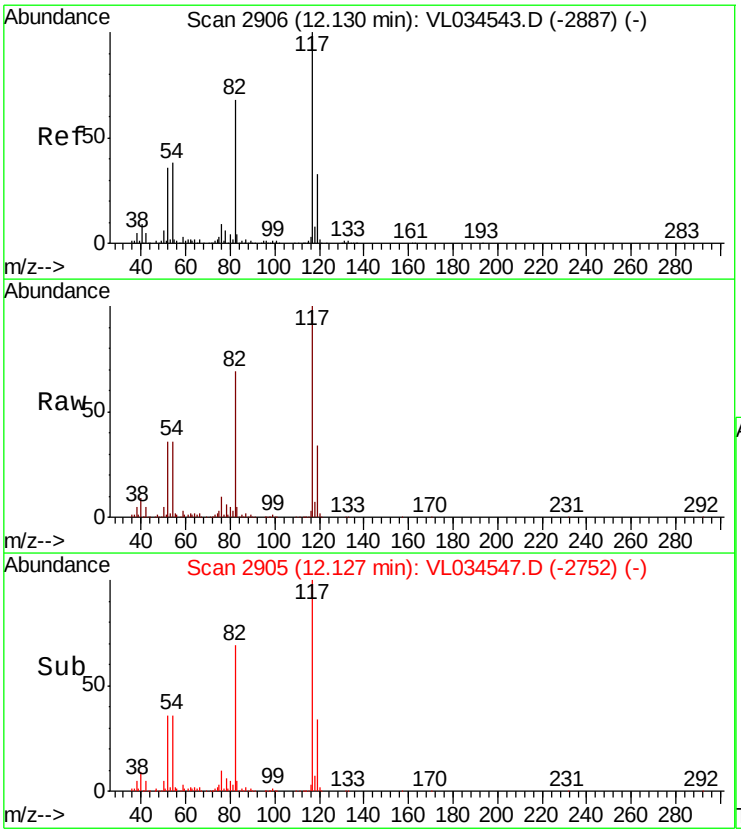
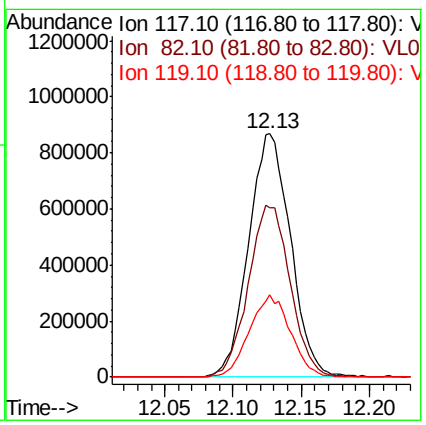
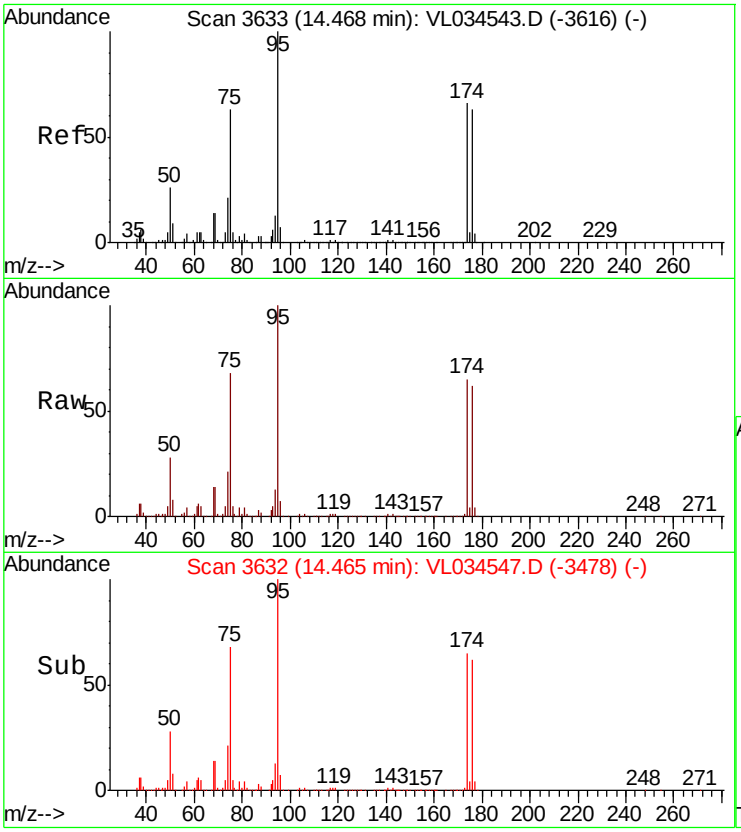


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion:117 Resp: 1848936

Ion	Ratio	Lower	Upper
117	100		
82	71.2	56.2	84.4
119	33.3	27.1	40.7

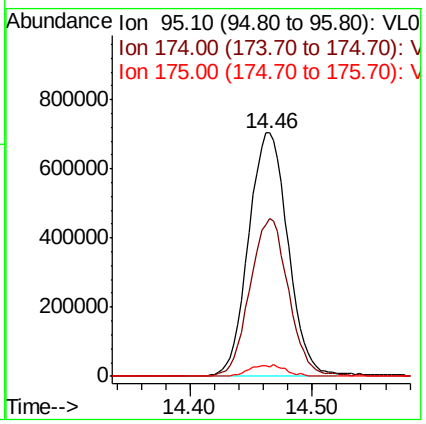




#68
1-Bromo-4-Fluorobenzene
Concen: 10.172 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. -0.00 min
Lab File: VL034547.D
Acq: 2 Jan 2020 15:22

Tgt Ion: 95 Resp: 1569394

Ion	Ratio	Lower	Upper
95	100		
174	63.8	52.4	78.6
175	4.5	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
MJ-1DUP

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