Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033644.D
Acq On : 3 May 2019 1:44
Operator : SY/AP
Sample : K2628-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-10

Manual Integrations APPROVED
MMDadoda
5/4/2019 7:19:00 AM

Quant Time: May 03 04:45:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	863375	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2059432	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2007706	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1660283	10.86	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	52449	0.403	ppbv		90
3) Chlorodifluoromethane	3.01	51	30804m	0.298	ppbv		
4) Chloromethane	3.17	50	32036	0.570	ppbv		93
11) Trichlorofluoromethane	4.00	101	43519	0.281	ppbv		96
13) Ethanol	3.65	45	381653	28.478	ppbv		99
15) Acetone	3.90	43	345720	3.289	ppbv		100
19) Isopropyl Alcohol	4.03	45	99413	1.378	ppbv	#	91
20) Methylene Chloride	4.41	84	40829	0.997	ppbv		92
26) Hexane	5.77	57	44975	0.535	ppbv	#	44
34) 2-Butanone	5.34	43	22797m	0.180	ppbv		
35) Carbon Tetrachloride	7.12	117	10374	0.064	ppbv		85
36) Benzene	7.00	78	13567	0.077	ppbv	#	83
53) Toluene	9.94	91	571643	2.581	ppbv		98

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

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Instrument :
MSVOA_L
ClientSampleId :
A-10

Manual Integrations APPROVED
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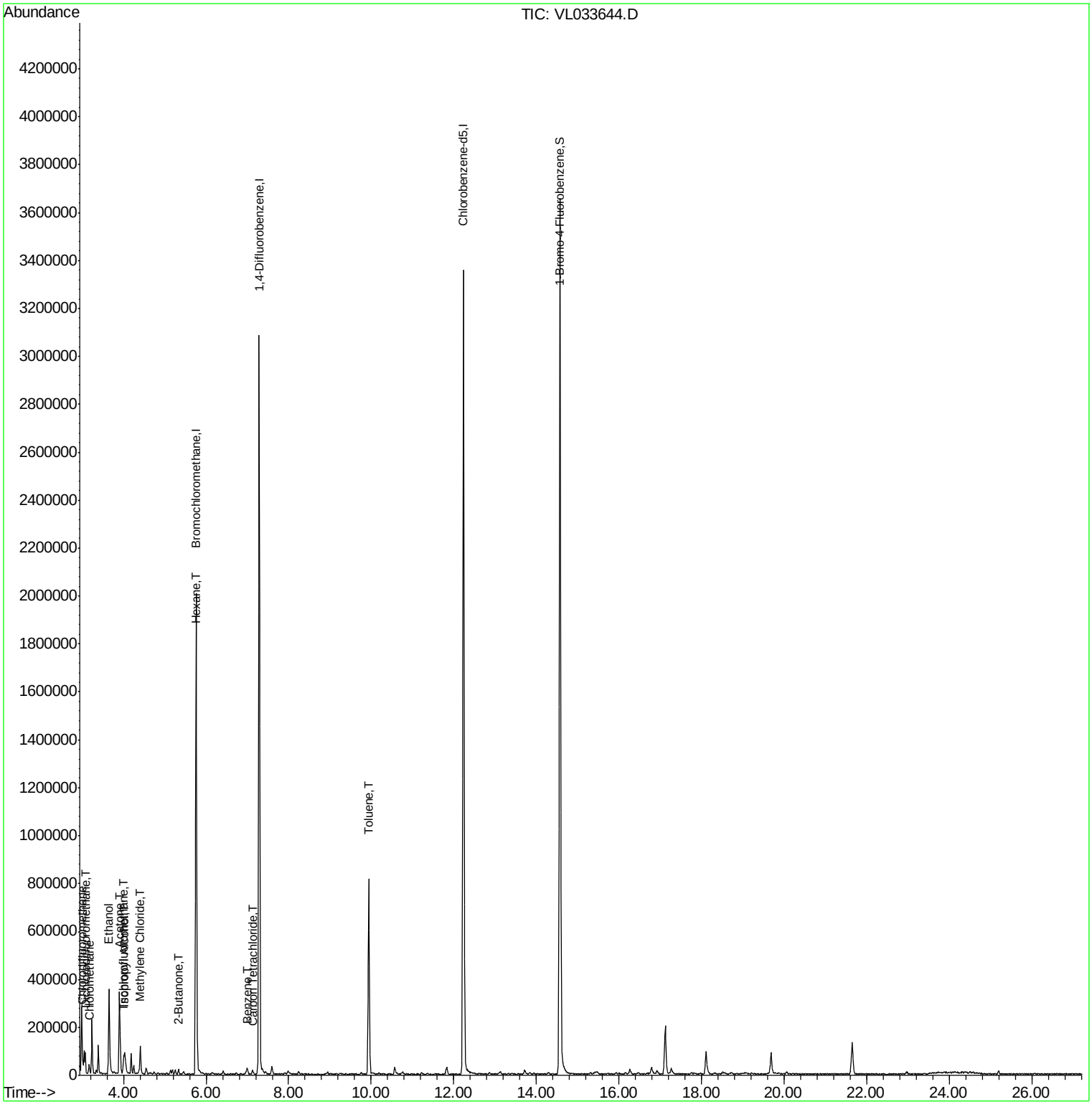
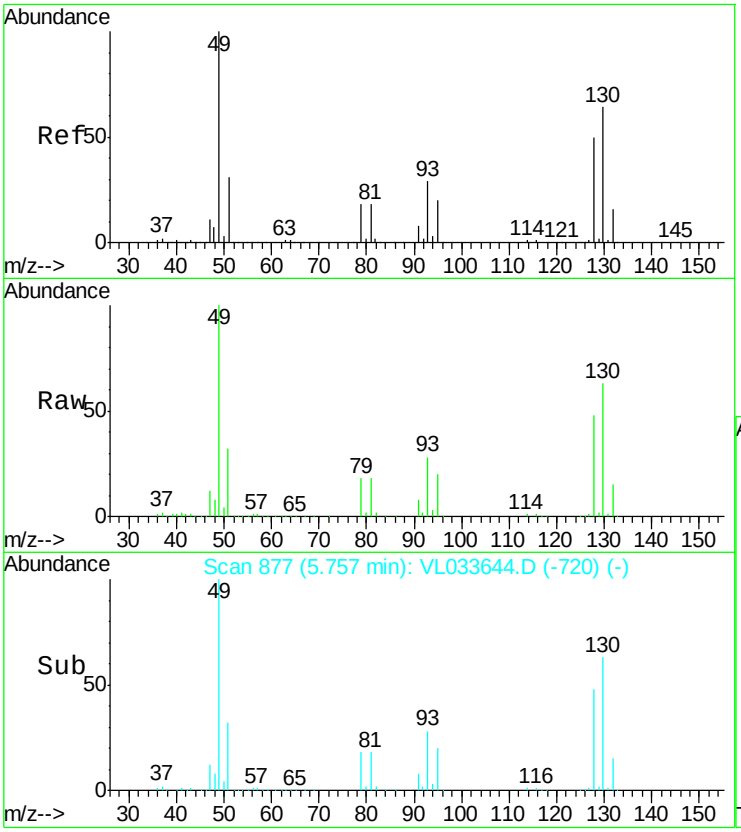
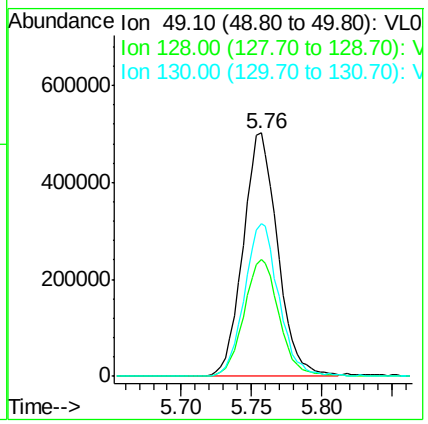




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 49 Resp: 863375

Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.0	75.0
130	62.2	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
A-10

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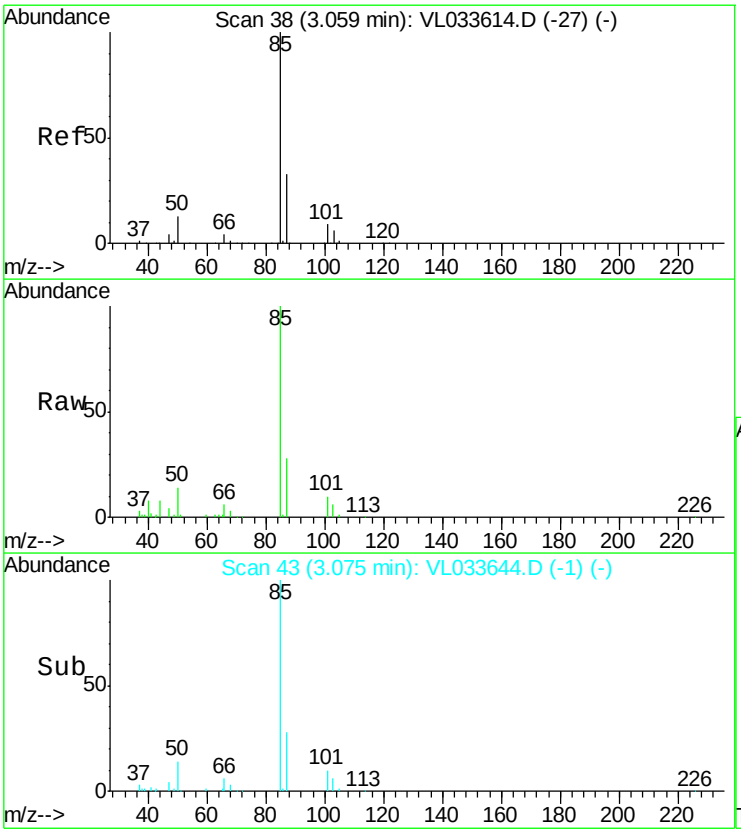
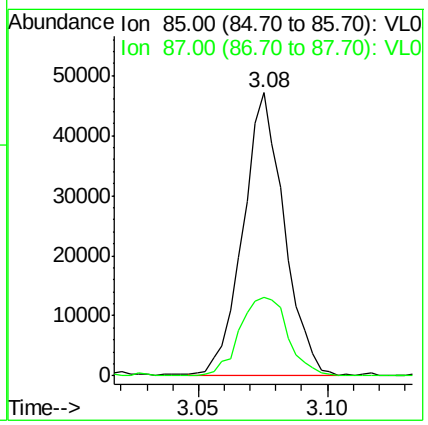
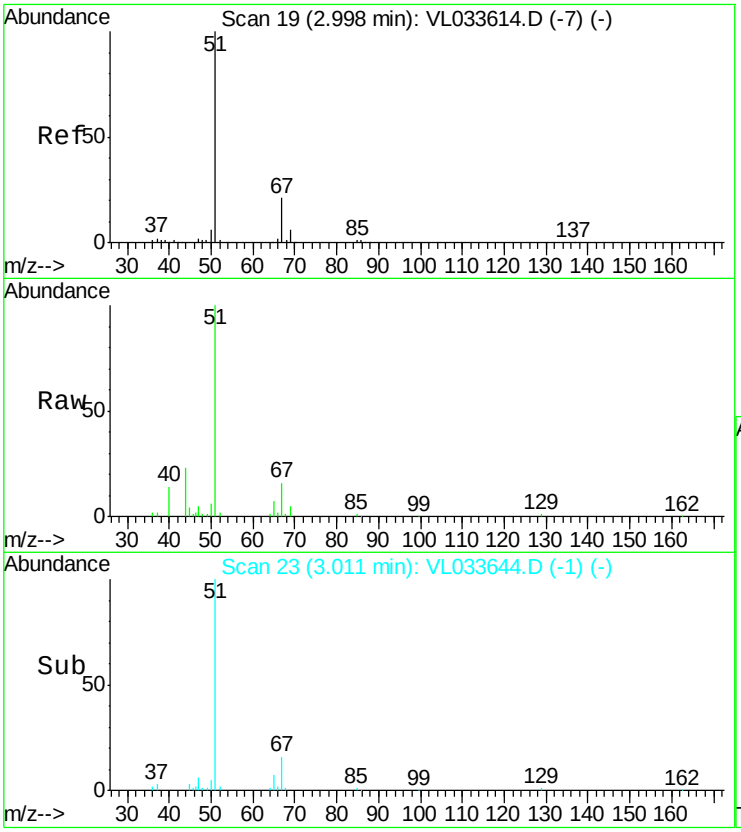


#2
Dichlorodifluoromethane
Concen: 0.403 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 85 Resp: 52449

Ion	Ratio	Lower	Upper
85	100		
87	28.0	26.8	40.2

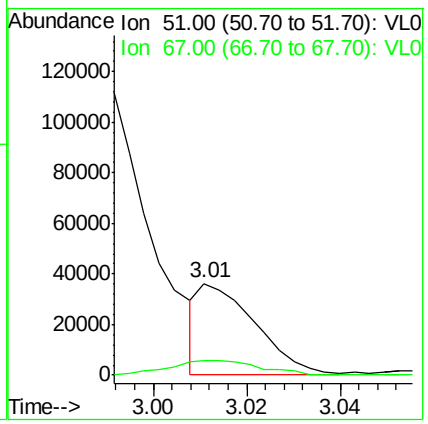




#3
Chlorodifluoromethane
Concen: 0.298 ppbv m
RT: 3.01 min Scan# 23
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 51 Resp: 30804

Ion	Ratio	Lower	Upper
51	100		
67	25.6	15.6	23.4#



Instrument :
MSVOA_L
ClientSampleId :
A-10

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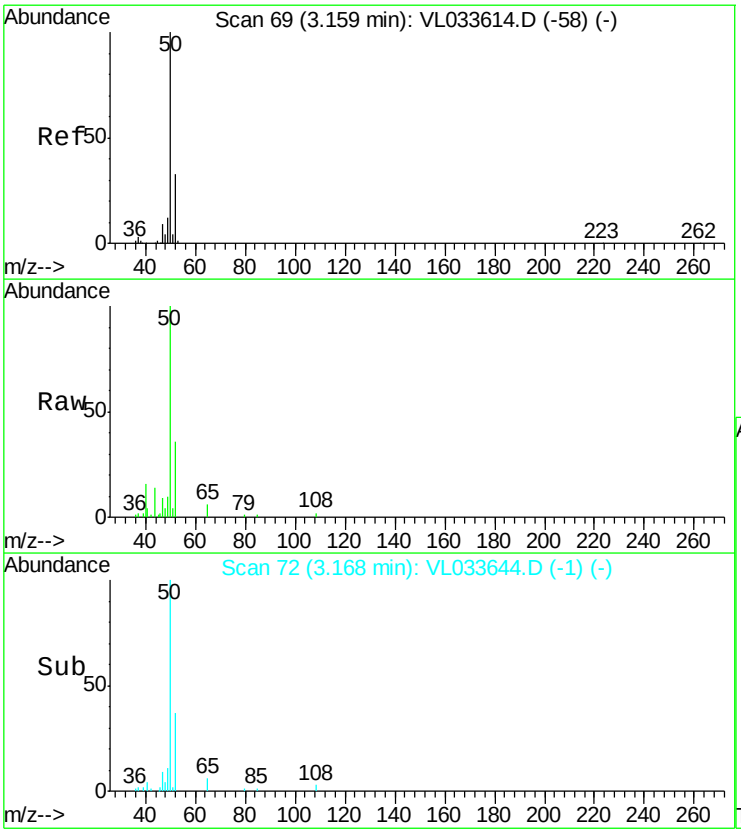
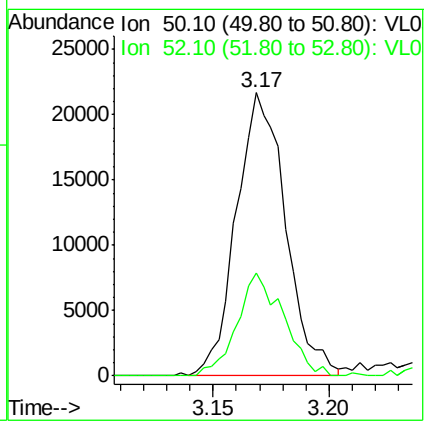
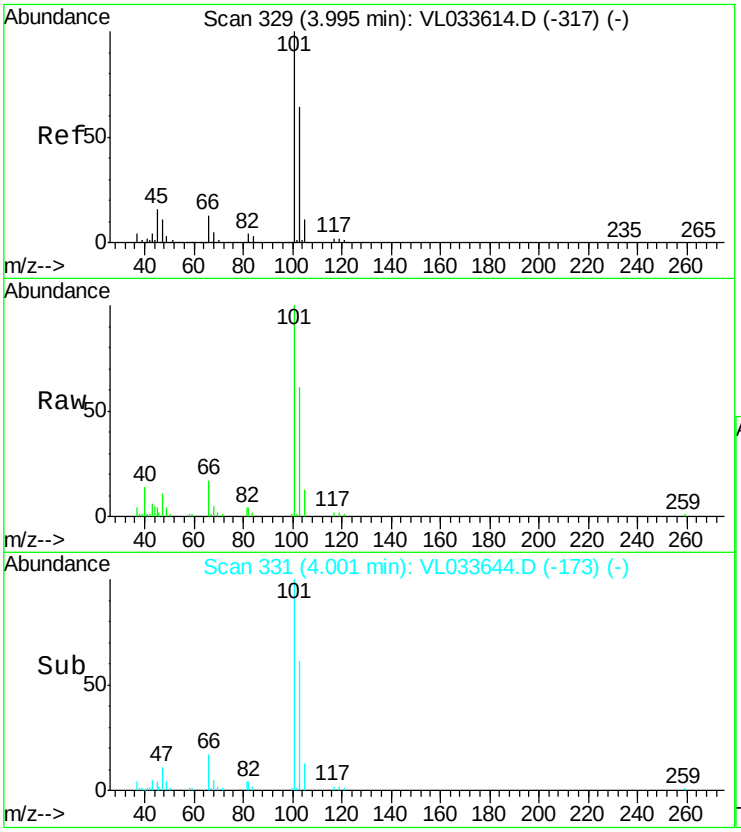


#4
Chloromethane
Concen: 0.570 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 50 Resp: 32036

Ion	Ratio	Lower	Upper
50	100		
52	36.4	26.0	39.0

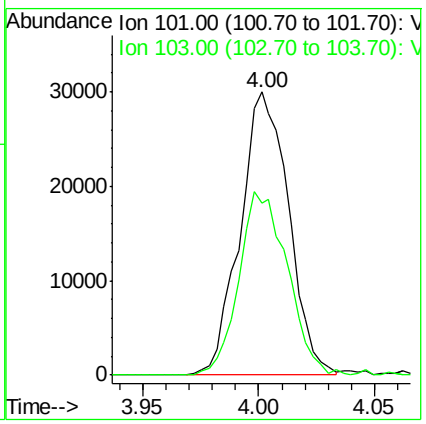




#11
Trichlorofluoromethane
Concen: 0.281 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion:101 Resp: 43519

Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
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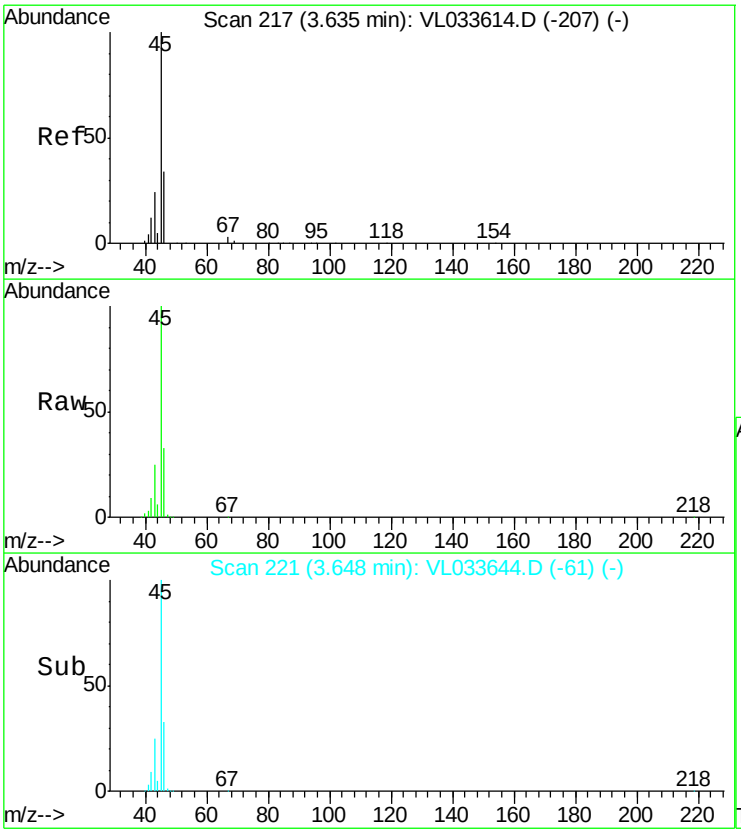
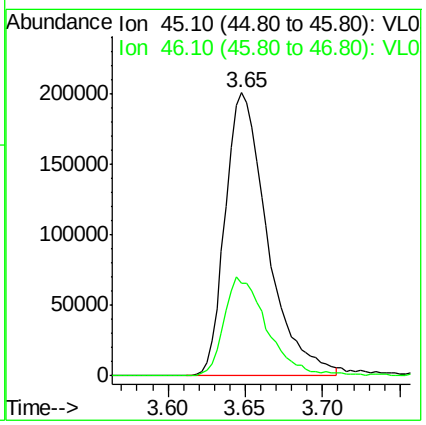
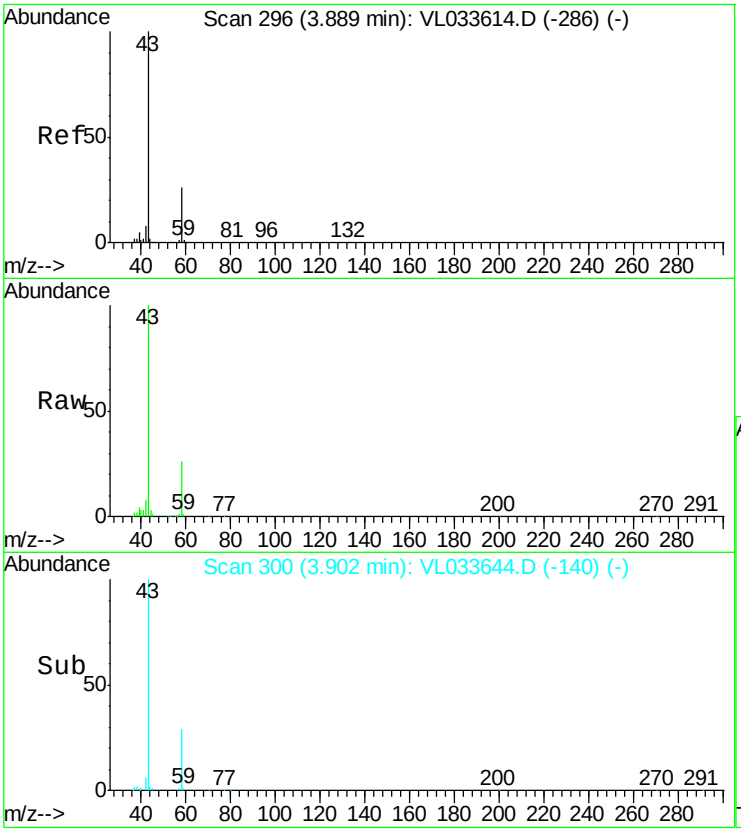


#13
Ethanol
Concen: 28.478 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 45 Resp: 381653

Ion	Ratio	Lower	Upper
45	100		
46	35.9	14.6	58.2

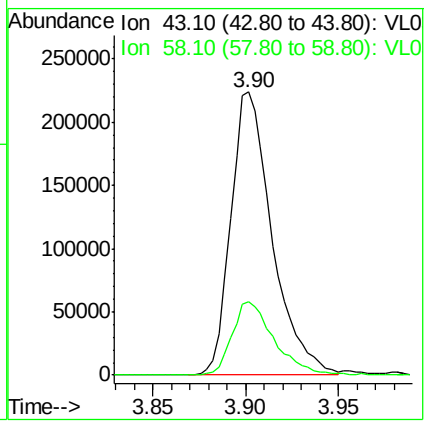




#15
Acetone
Concen: 3.289 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 43 Resp: 345720

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8



Instrument :
MSVOA_L
ClientSampleId :
A-10

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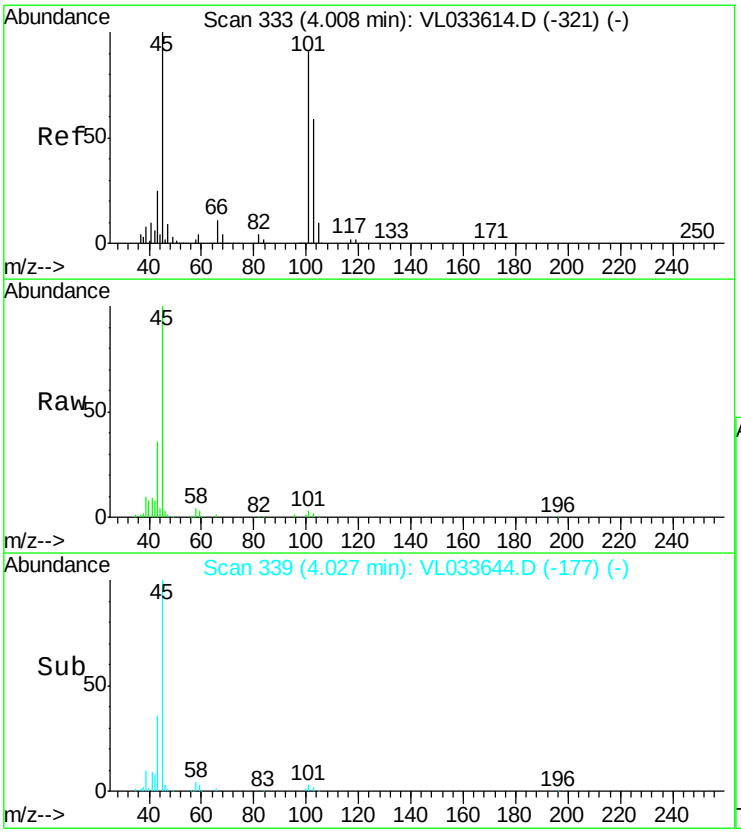
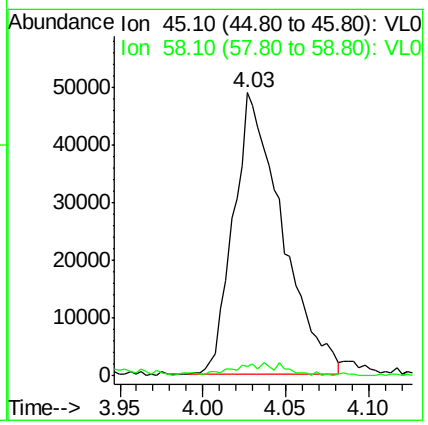
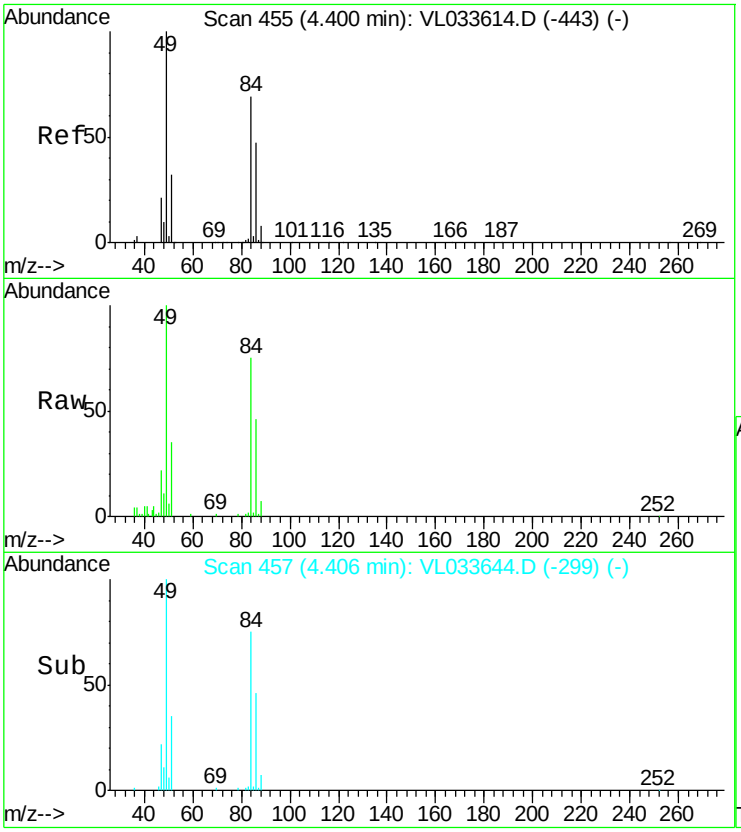


#19
Isopropyl Alcohol
Concen: 1.378 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.02 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 45 Resp: 99413

Ion	Ratio	Lower	Upper
45	100		
58	5.2	1.8	2.6#

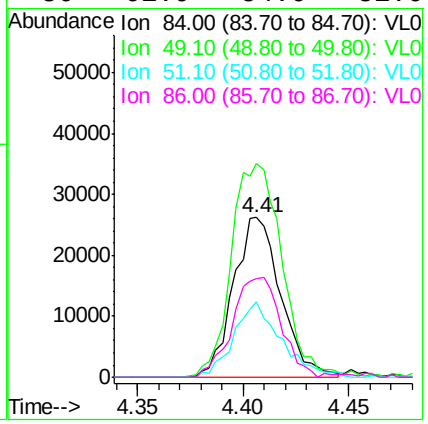




#20
Methylene Chloride
Concen: 0.997 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 84 Resp: 40829

Ion	Ratio	Lower	Upper
84	100		
49	132.9	116.2	174.2
51	47.0	37.0	55.6
86	61.9	54.0	81.0



Instrument :
MSVOA_L
ClientSampleId :
A-10

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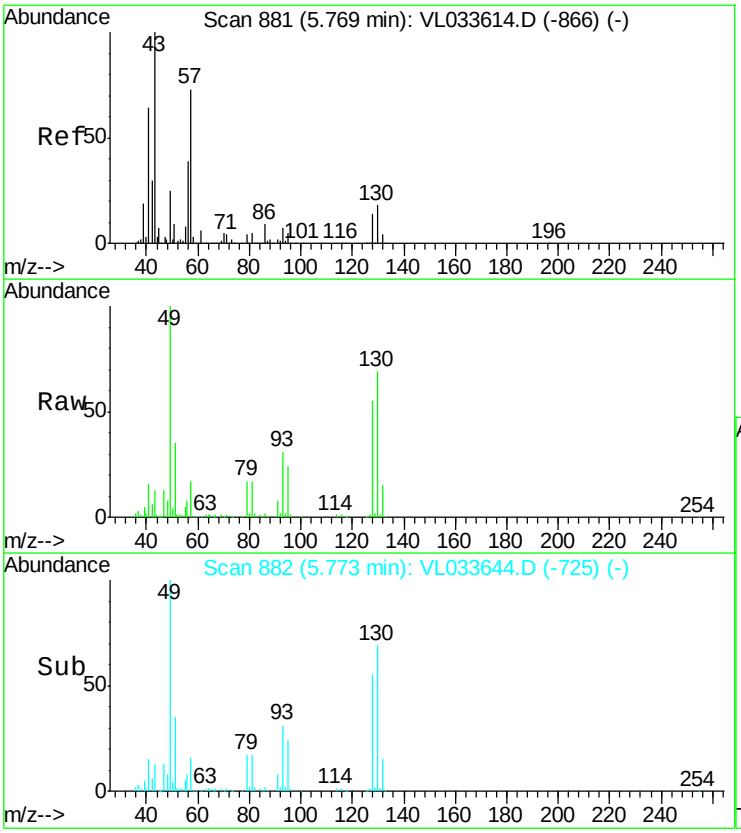
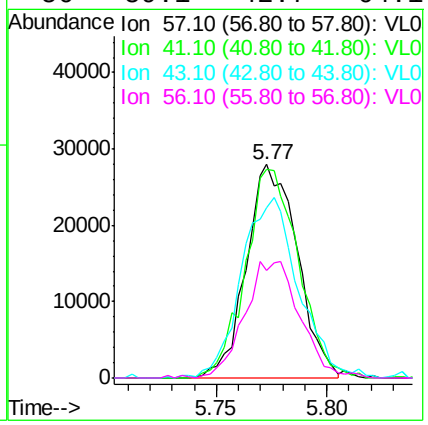
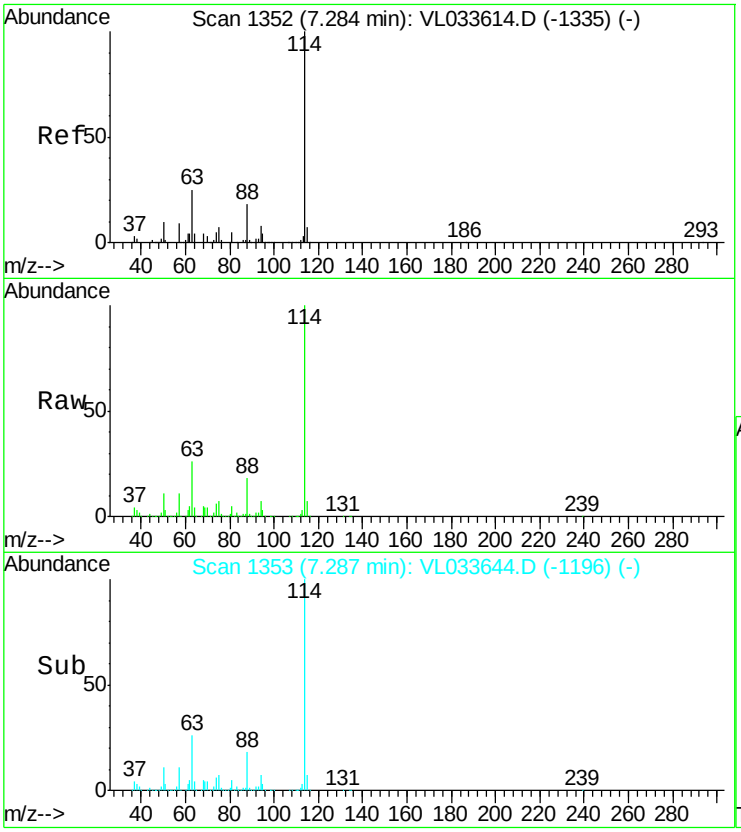


#26
Hexane
Concen: 0.535 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 57 Resp: 44975

Ion	Ratio	Lower	Upper
57	100		
41	102.1	70.6	106.0
43	96.1	186.0	279.0#
56	59.1	42.7	64.1

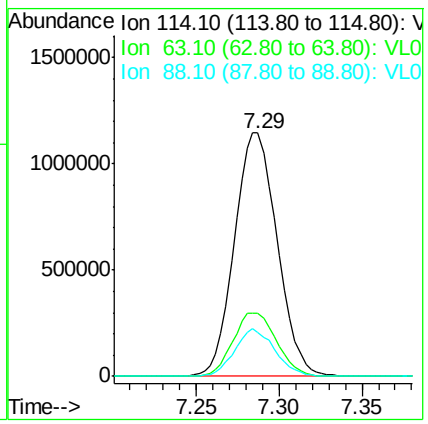




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion:114 Resp: 2059432

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.1	31.7
88	18.2	14.2	21.4



Instrument :
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A-10

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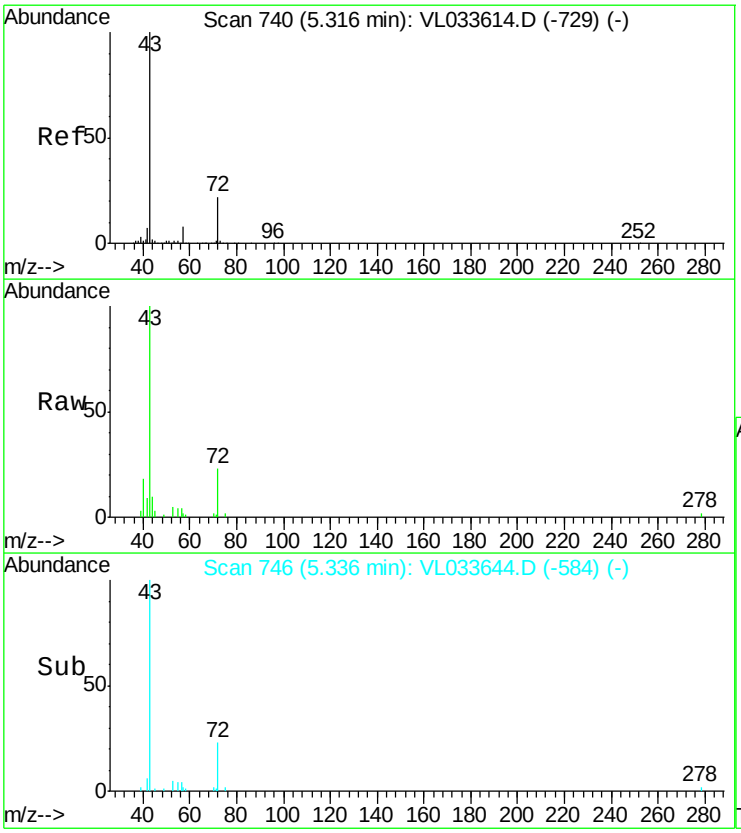
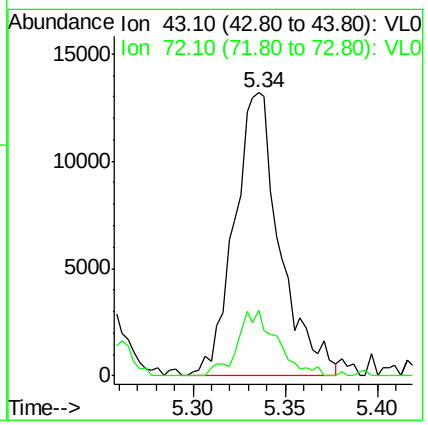
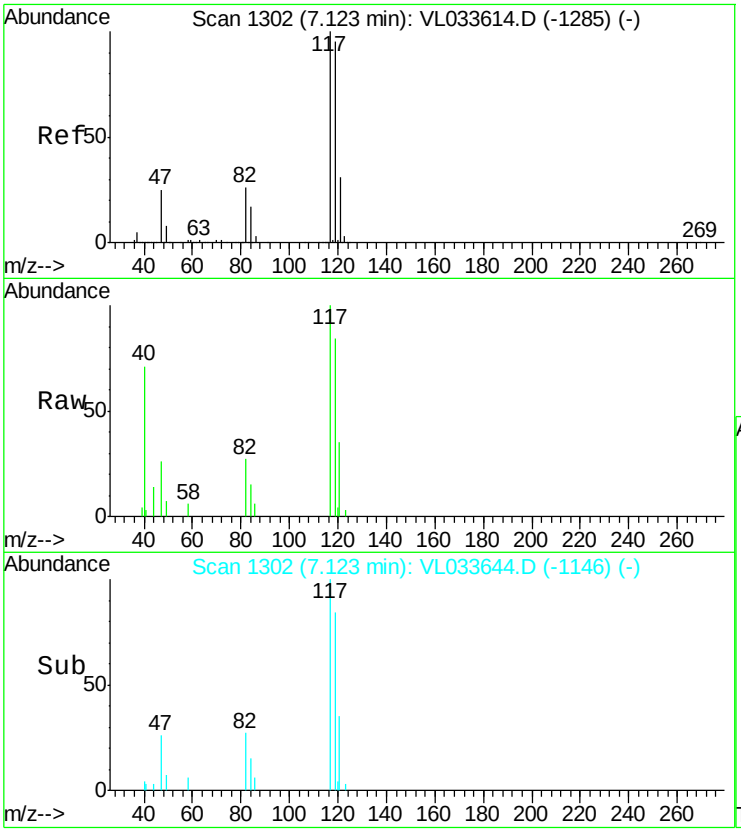


#34
2-Butanone
Concen: 0.180 ppbv m
RT: 5.34 min Scan# 746
Delta R.T. 0.02 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 43 Resp: 22797

Ion	Ratio	Lower	Upper
43	100		
72	20.1	17.8	26.8

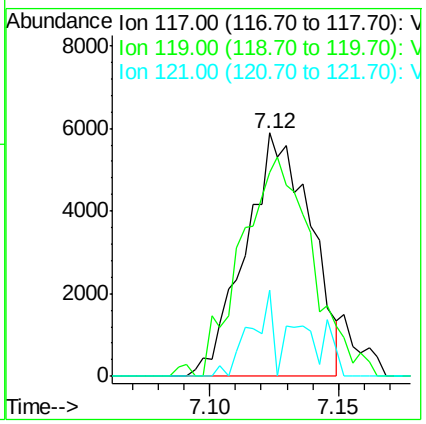




#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion:117 Resp: 10374

Ion	Ratio	Lower	Upper
117	100		
119	78.7	76.2	114.4
121	35.2	24.9	37.3



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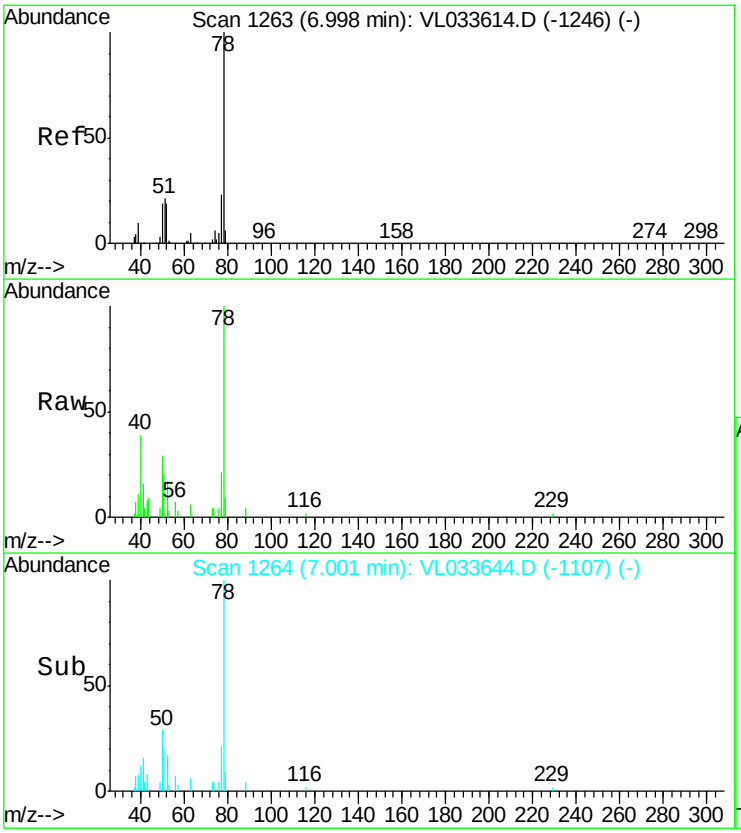
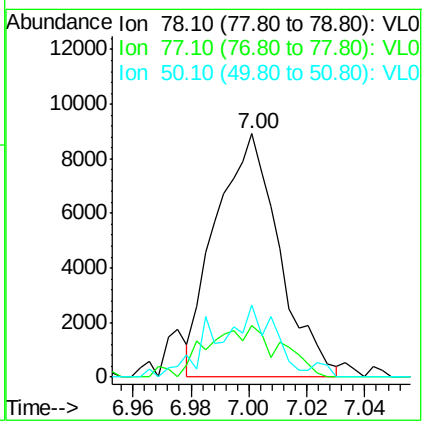
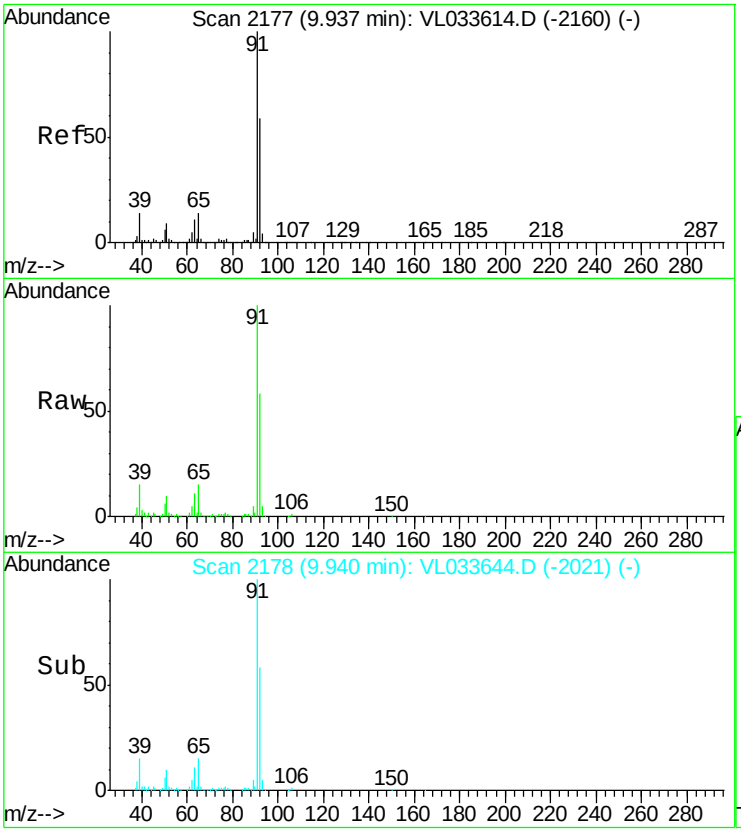


#36
Benzene
Concen: 0.077 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 78 Resp: 13567

Ion	Ratio	Lower	Upper
78	100		
77	18.0	18.1	27.1#
50	30.8	15.1	22.7#





#53
Toluene
Concen: 2.581 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 91 Resp: 571643

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.8	71.6

Instrument :
MSVOA_L
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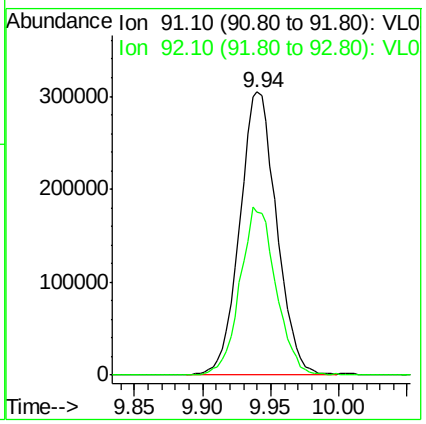
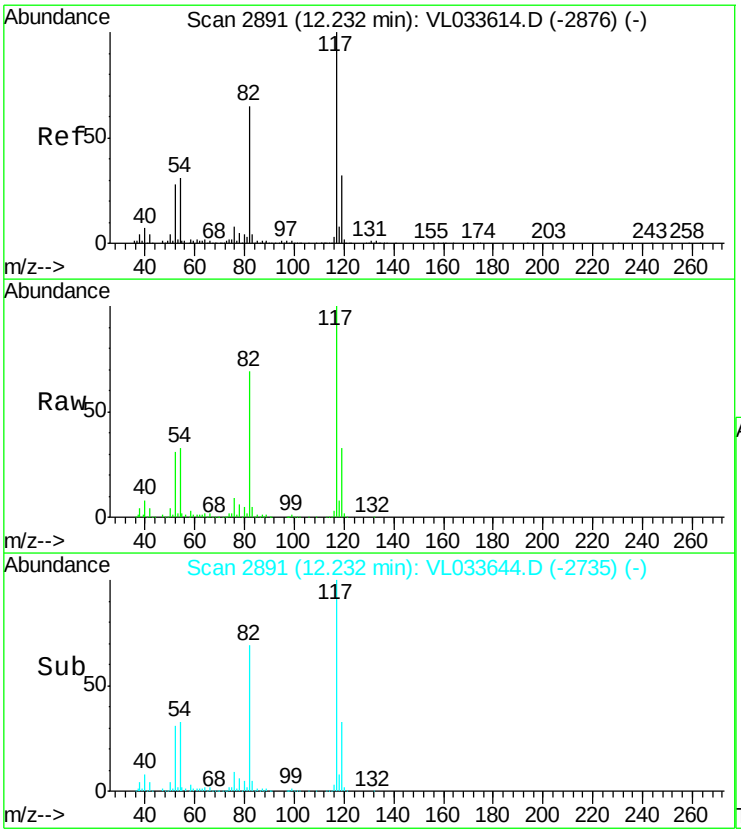
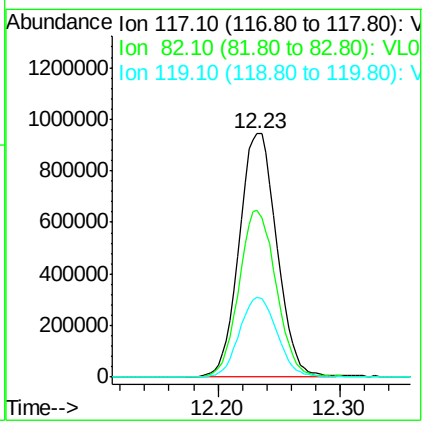


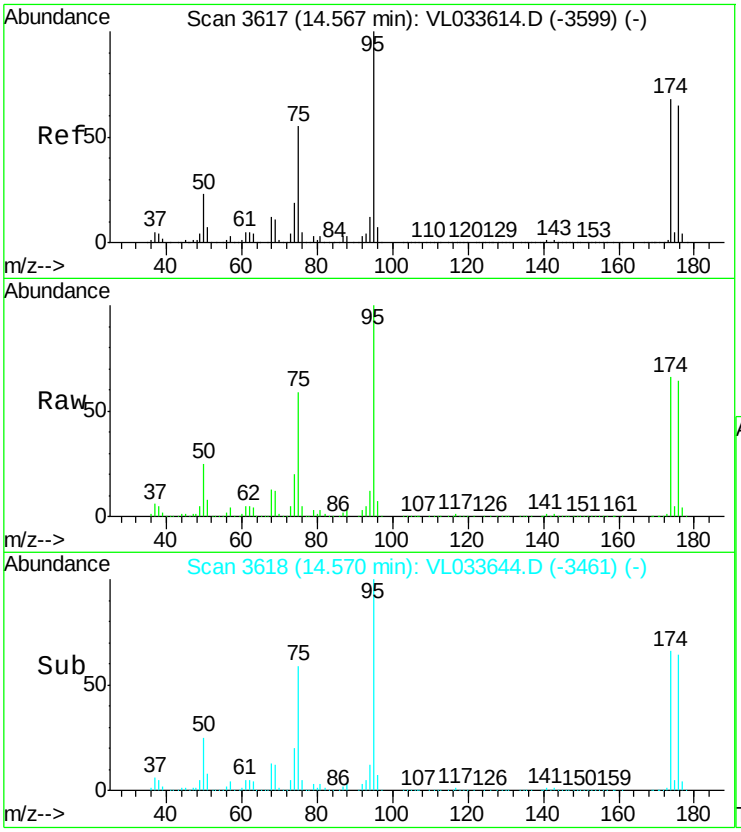


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion:117 Resp: 2007706

Ion	Ratio	Lower	Upper
117	100		
82	68.2	52.6	78.8
119	32.7	28.3	42.5

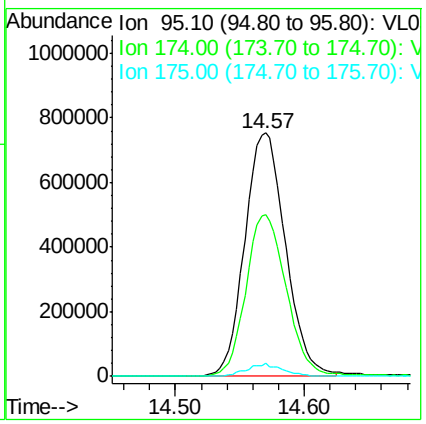




#68
1-Bromo-4-Fluorobenzene
Concen: 10.862 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033644.D
Acq: 3 May 2019 1:44

Tgt Ion: 95 Resp: 1660283

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.7	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
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