Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033021\
Data File : VL036580.D
Acq On : 30 Mar 2021 21:49
Operator : SY/AP
Sample : M1797-07DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 31 07:42:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : MF-SG-09(2021)DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1366400	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3125445	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2838454	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2218781	9.81	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%			
Target Compounds						Qvalue
9) Propene	3.01	41	11064m	0.136	ppbv	
13) Ethanol	3.60	45	48748m	5.030	ppbv	
15) Acetone	3.84	43	270562	2.012	ppbv	# 83
19) Isopropyl Alcohol	3.97	45	26815m	0.362	ppbv	
20) Methylene Chloride	4.33	84	20984m	0.333	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	13526m	0.057	ppbv	
34) 2-Butanone	5.24	43	19556m	0.128	ppbv	
52) Tetrachloroethene	11.19	164	4995m	0.047	ppbv	

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

Quantitation Report (QT Reviewed)

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Data File : VL036580.D
Acq On : 30 Mar 2021 21:49
Operator : SY/AP
Sample : M1797-07DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 31 07:42:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Manual Integrations APPROVED
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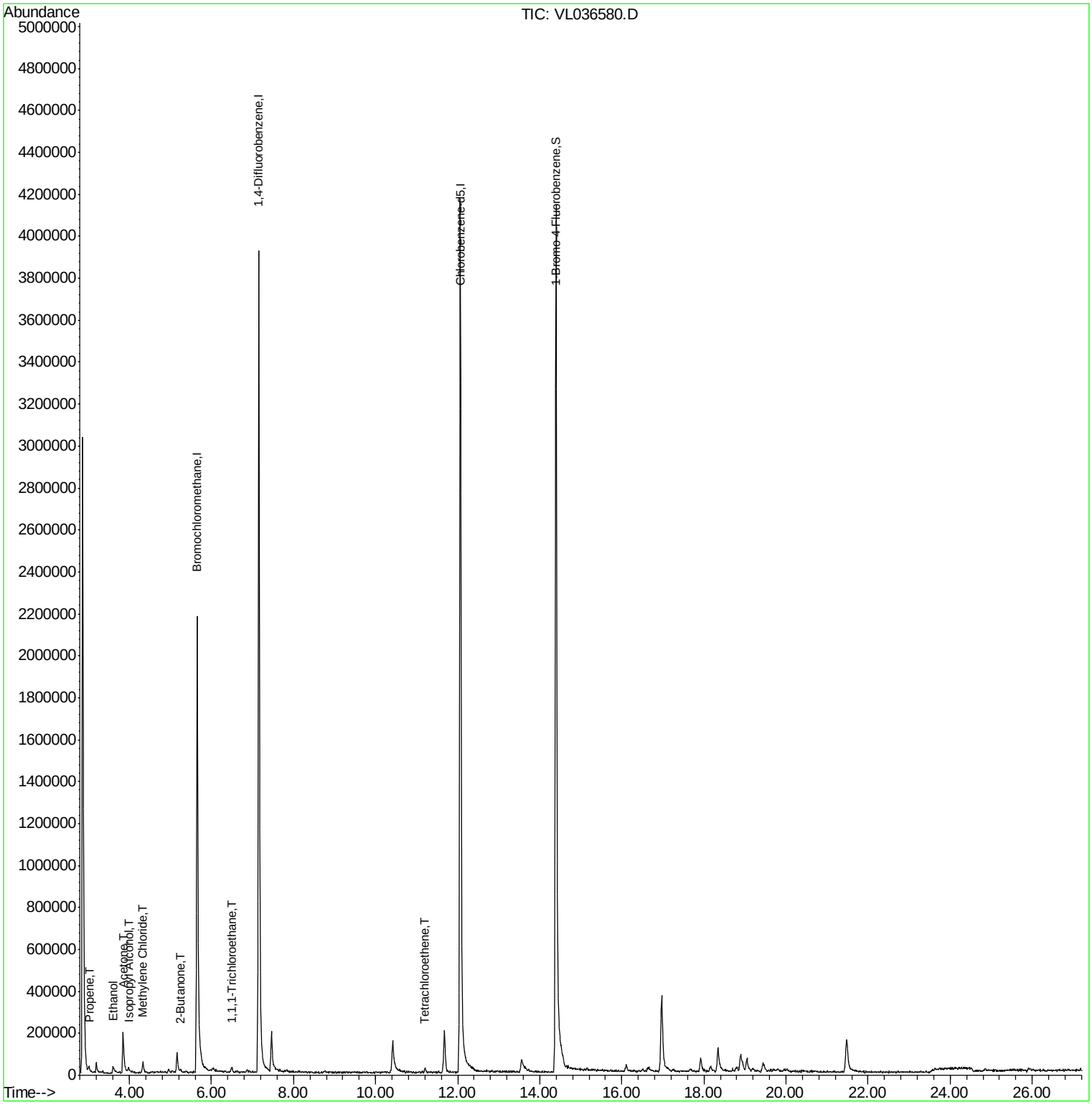
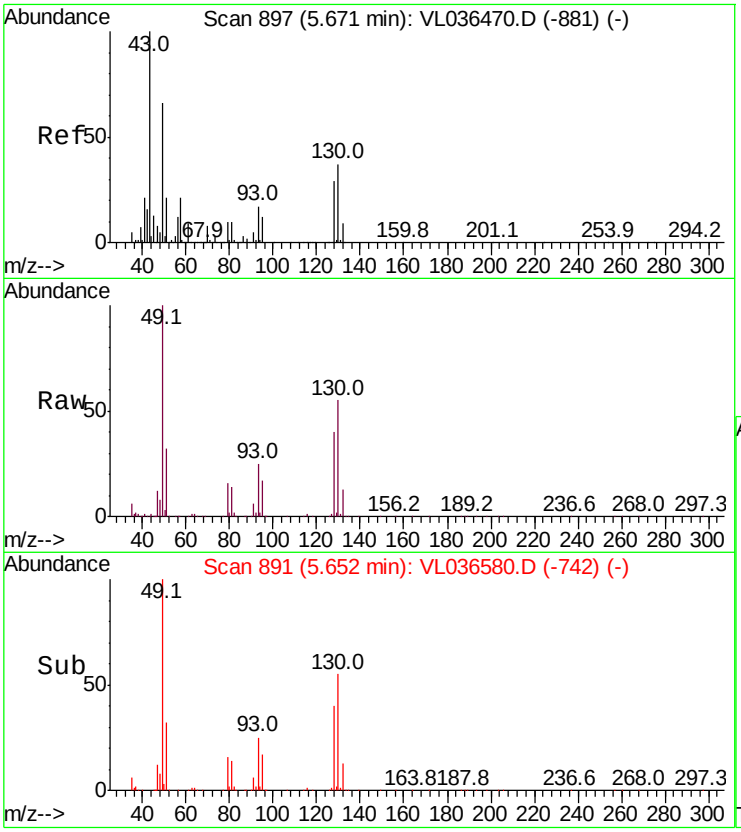
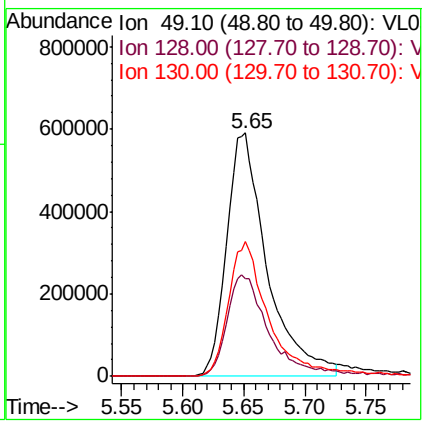




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 49 Resp: 1366400

Ion	Ratio	Lower	Upper
49	100		
128	44.5	23.5	70.6
130	57.3	29.1	87.4



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

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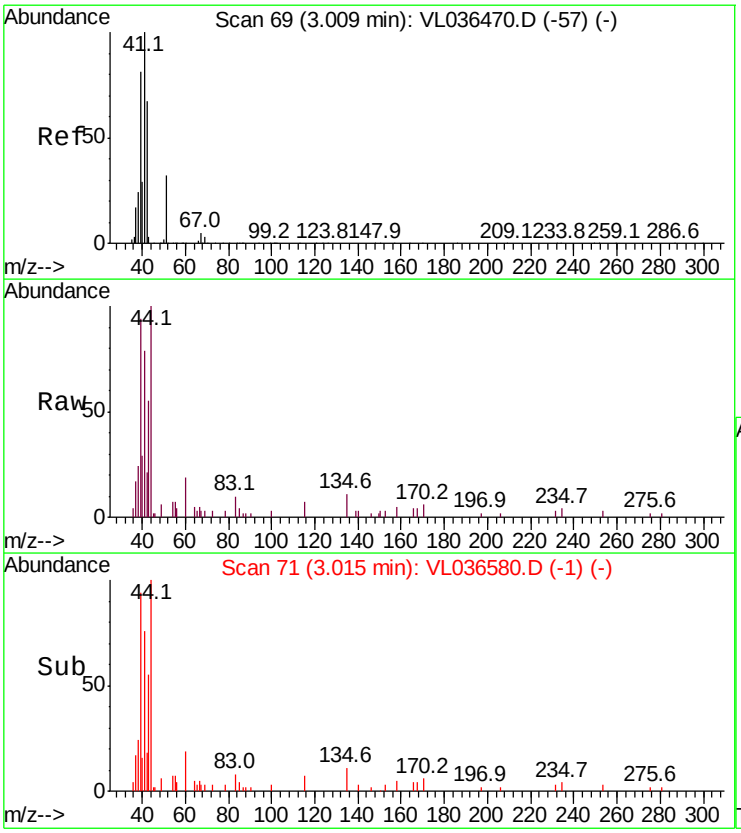
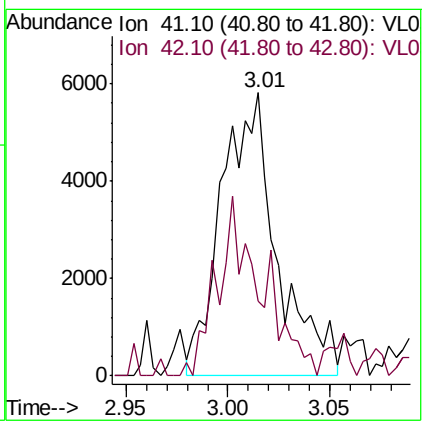
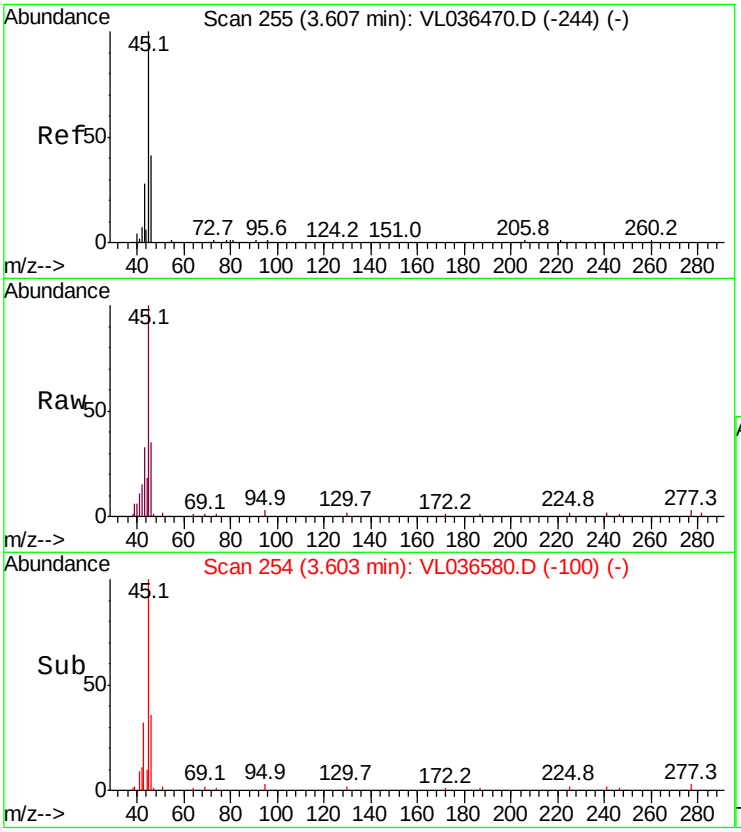


#9
Propene
Concen: 0.136 ppbv m
RT: 3.01 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 41 Resp: 11064

Ion	Ratio	Lower	Upper
41	100		
42	27.6	57.0	85.4#





#13
Ethanol
Concen: 5.030 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 45 Resp: 48748

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#

Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

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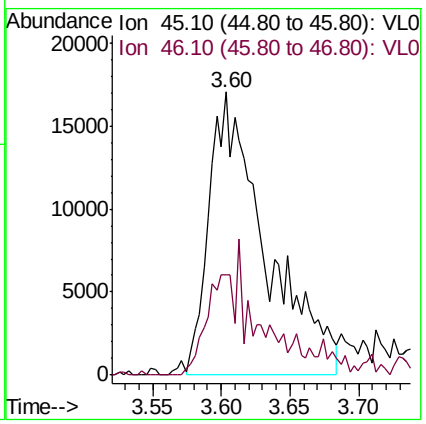
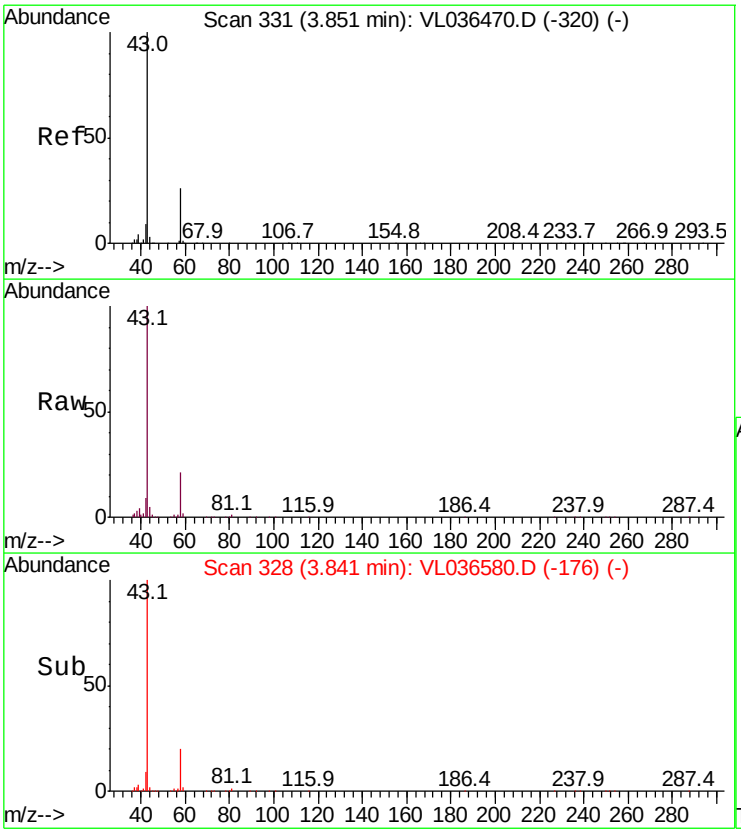
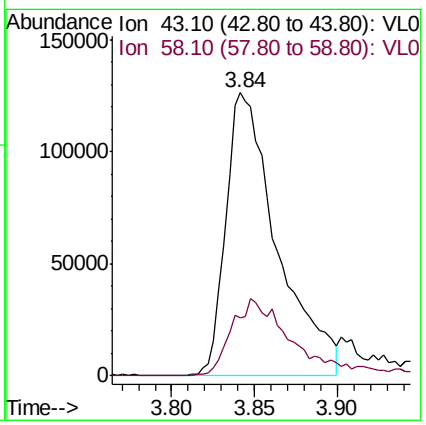


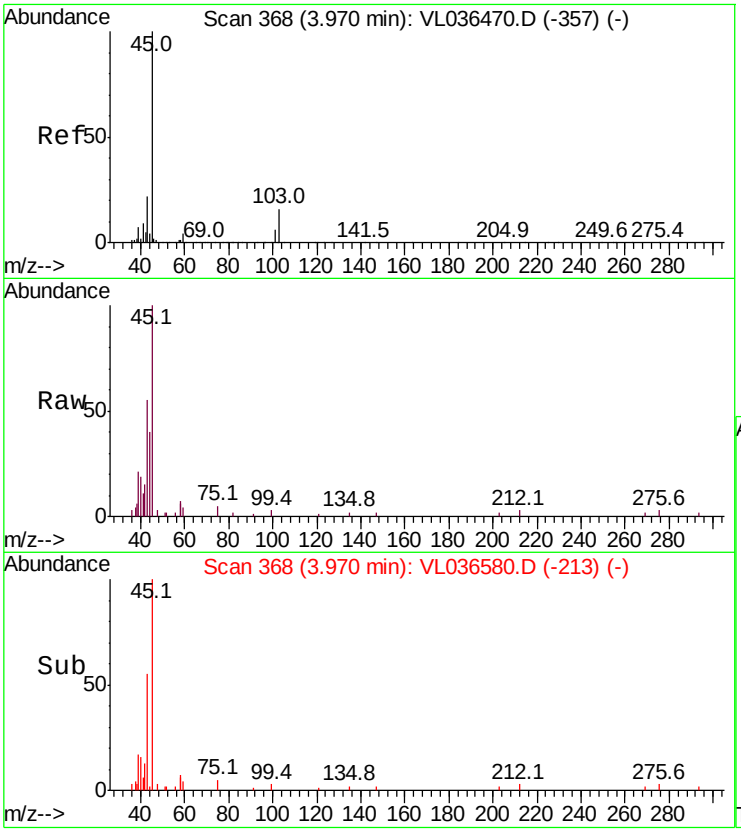


#15
Acetone
Concen: 2.012 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 43 Resp: 270562

Ion	Ratio	Lower	Upper
43	100		
58	35.4	21.2	31.8#

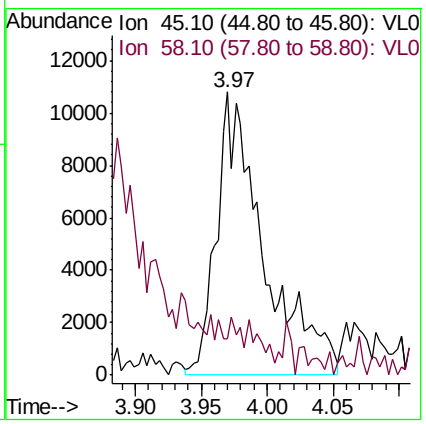




#19
Isopropyl Alcohol
Concen: 0.362 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 45 Resp: 26815

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

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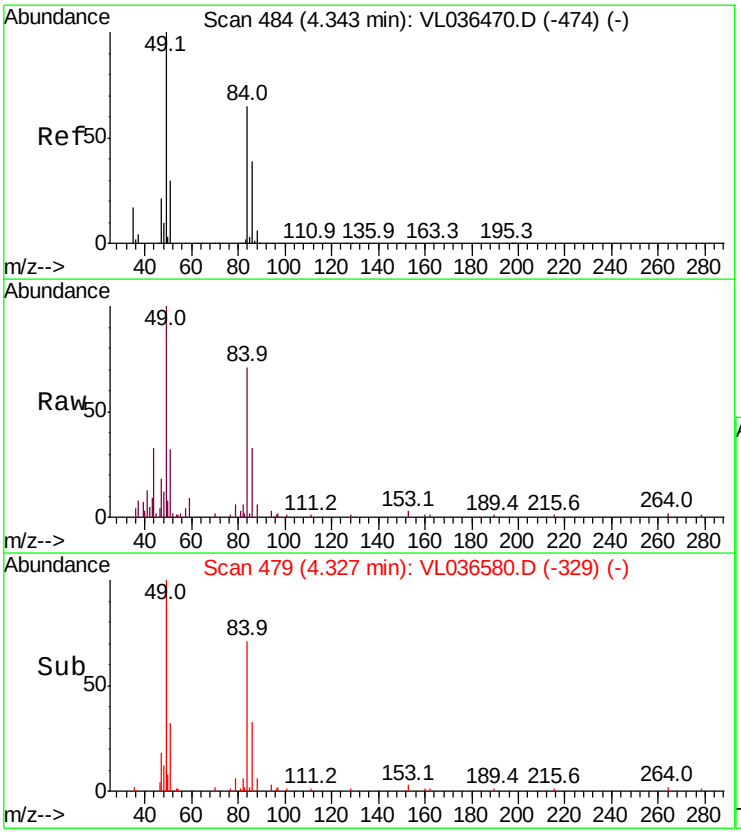
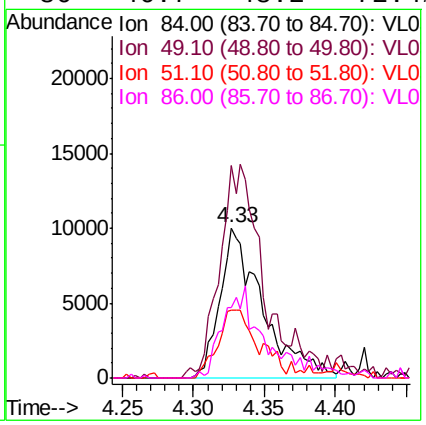
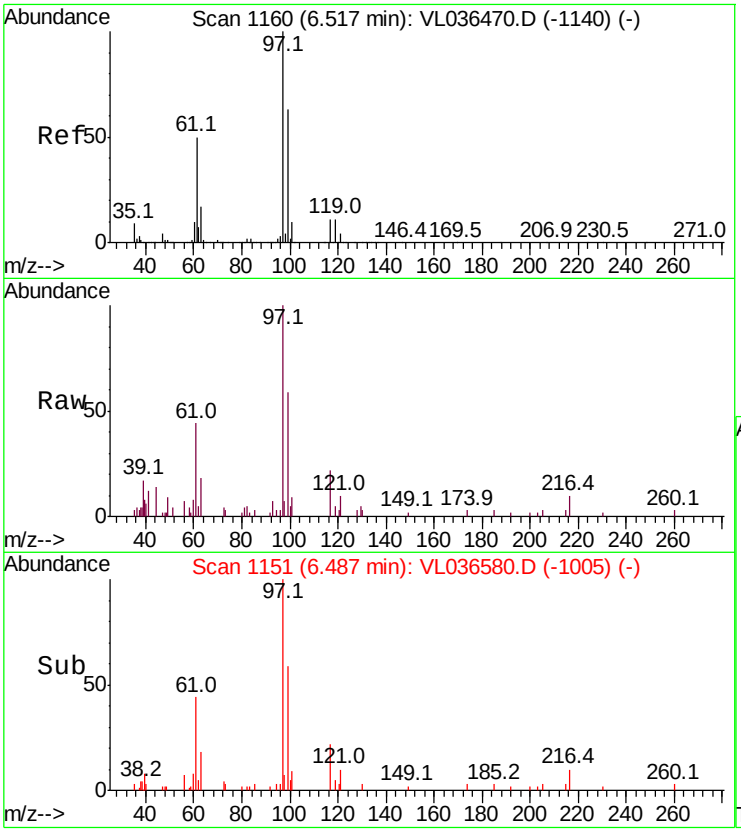


#20
Methylene Chloride
Concen: 0.333 ppbv m
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 84 Resp: 20984

Ion	Ratio	Lower	Upper
84	100		
49	141.1	122.9	184.3
51	45.4	36.9	55.3
86	46.7	48.2	72.4#

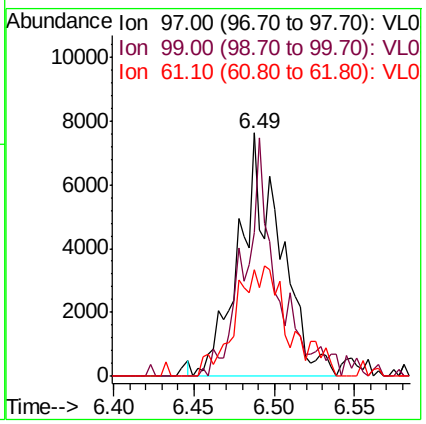




#32
1,1,1-Trichloroethane
Concen: 0.057 ppbv m
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 97 Resp: 13526

Ion	Ratio	Lower	Upper
97	100		
99	80.7	51.4	77.0#
61	59.9	40.6	60.8



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

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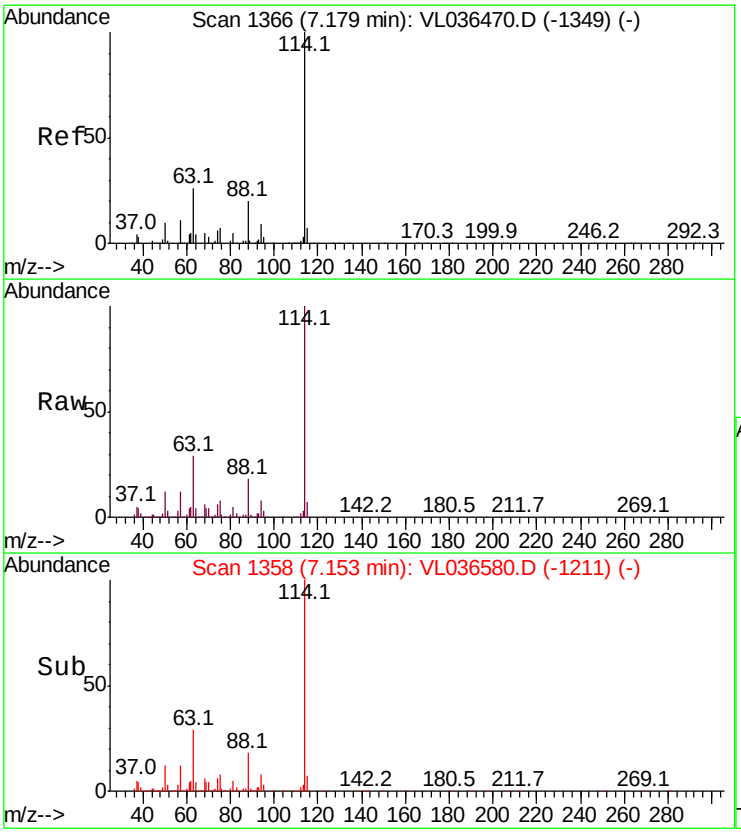
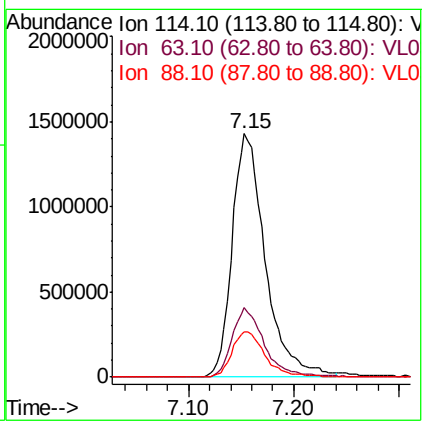
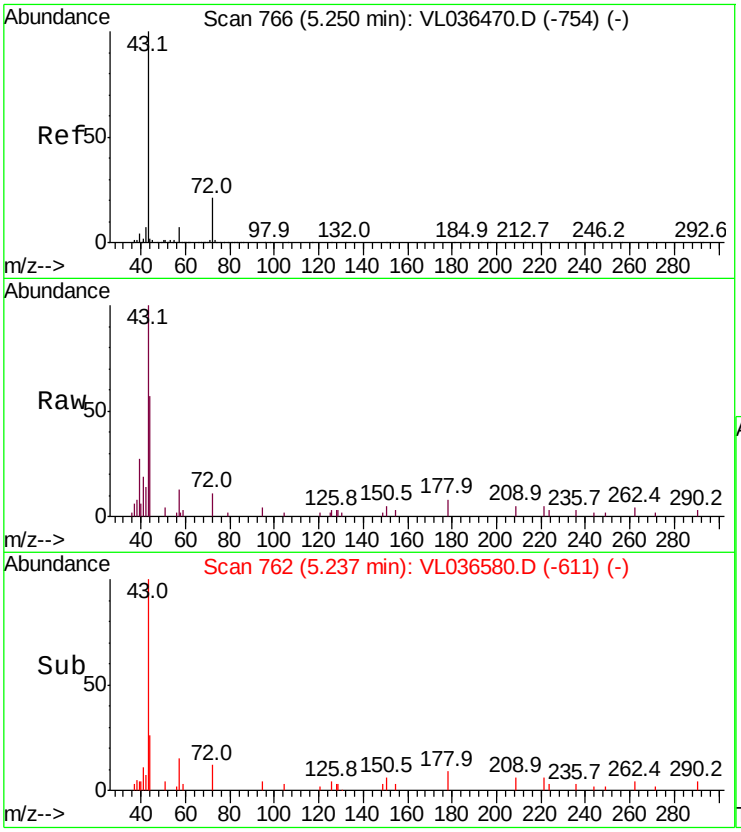


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion:114 Resp: 3125445

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	19.1	15.4	23.0

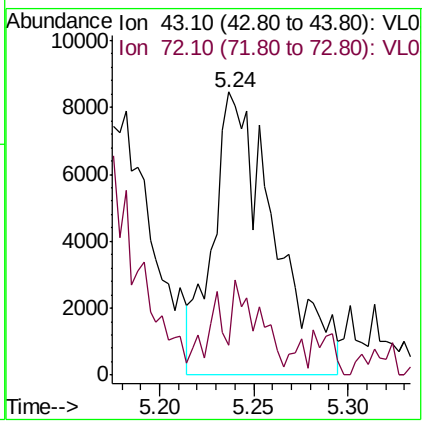




#34
2-Butanone
Concen: 0.128 ppbv m
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 43 Resp: 19556

Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.0	25.6



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

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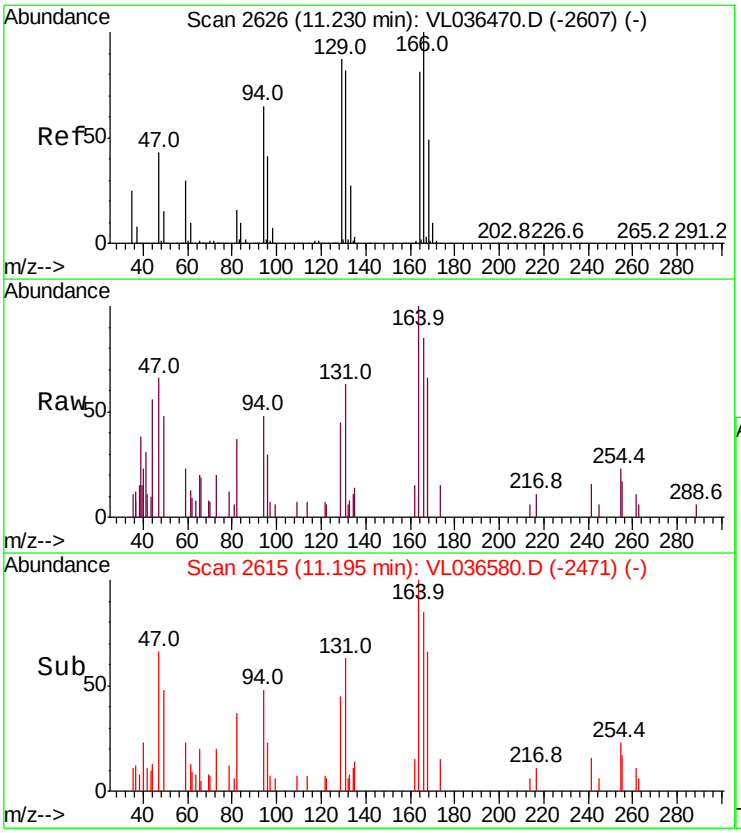
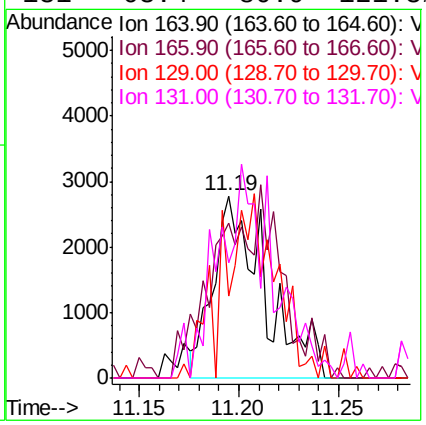
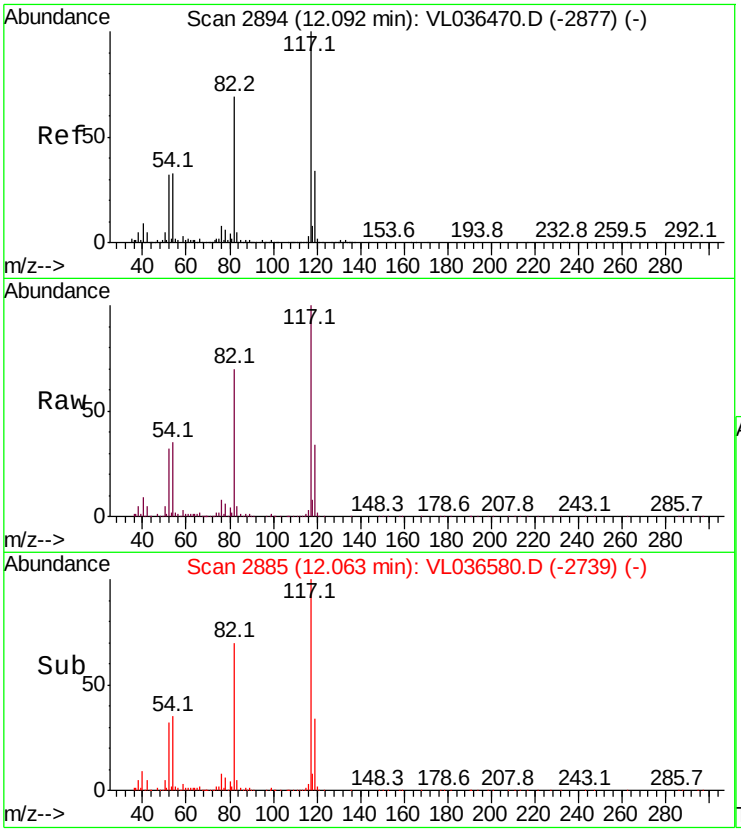


#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion:164 Resp: 4995

Ion	Ratio	Lower	Upper
164	100		
166	85.1	98.3	147.5#
129	45.1	85.8	128.8#
131	63.4	80.9	121.3#

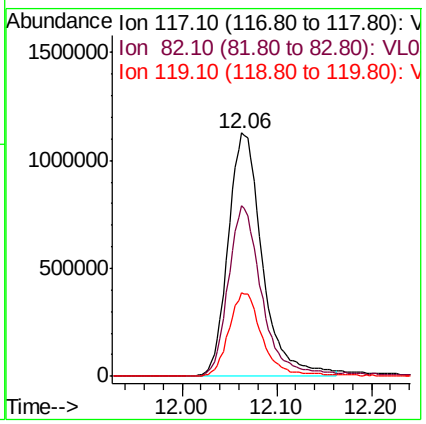




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion:117 Resp: 2838454

Ion	Ratio	Lower	Upper
117	100		
82	70.6	57.4	86.0
119	33.9	47.4	71.0#



Instrument :
MSVOA_L
ClientSampleId :
MF-SG-09(2021)DL

Manual Integrations APPROVED
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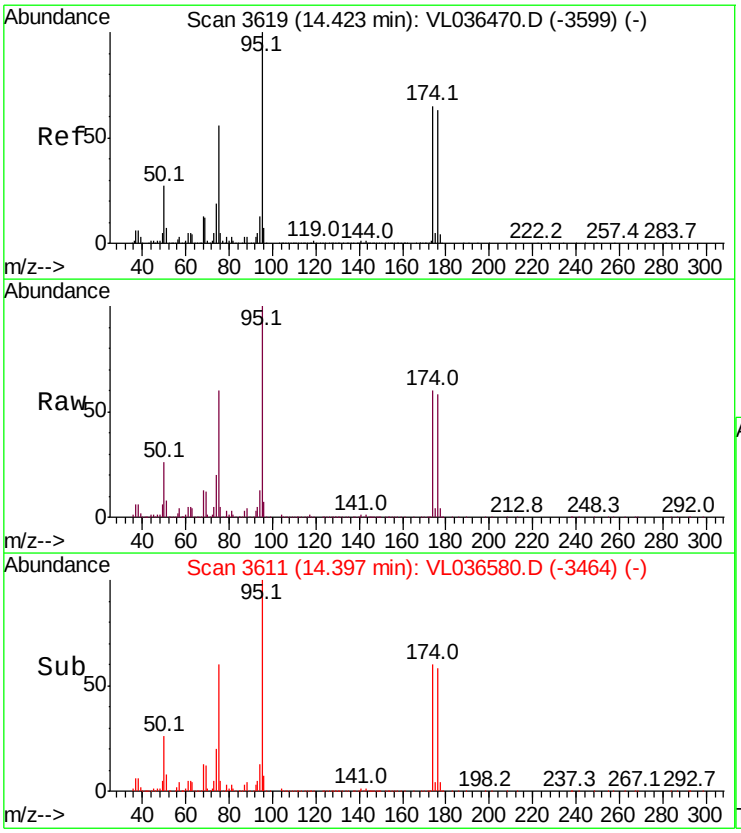
4/1/2021 10:59:25 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.808 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036580.D
Acq: 30 Mar 2021 21:49

Tgt Ion: 95 Resp: 2218781

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.0	76.6
175	4.7	3.9	5.9