Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036146.D
Acq On : 11 Dec 2020 2:47
Operator : SY/AP
Sample : L4948-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
MMDadoda
12/15/2020 4:51:55 PM

Quant Time: Dec 14 22:26:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 0
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1240754	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2466778	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2231264	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1999458	11.29	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	37365	0.258	ppbv	97
3) Chlorodifluoromethane	2.97	51	30605	0.216	ppbv	95
4) Chloromethane	3.12	50	12839m	0.185	ppbv	
9) Propene	3.00	41	35262	0.497	ppbv	92
10) Heptane	8.11	43	38825m	0.214	ppbv	
11) Trichlorofluoromethane	3.93	101	42848m	0.252	ppbv	
13) Ethanol	3.59	45	1741939	178.184	ppbv	87
15) Acetone	3.83	43	1149847	7.711	ppbv	99
19) Isopropyl Alcohol	3.96	45	194470m	2.134	ppbv	
20) Methylene Chloride	4.33	84	40361	0.660	ppbv	90
26) Hexane	5.67	57	77429m	0.578	ppbv	
29) Chloroform	5.73	83	84221	0.478	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	10788m	0.059	ppbv	
34) 2-Butanone	5.23	43	435431	2.661	ppbv	97
36) Benzene	6.87	78	2177890	10.418	ppbv	96
38) Trichloroethene	7.81	130	10406m	0.133	ppbv	
41) Tetrahydrofuran	6.04	42	13160m	0.135	ppbv	
43) Methyl Methacrylate	8.00	69	19205m	0.214	ppbv	
52) Tetrachloroethene	11.21	164	118799m	1.570	ppbv	
53) Toluene	9.79	91	142011	0.605	ppbv	95
59) m/p-Xylene	12.96	91	67566m	0.262	ppbv	
60) o-Xylene	13.68	91	31487m	0.130	ppbv	
62) Isopropylbenzene	14.65	105	1603563m	4.458	ppbv	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036146.D
Acq On : 11 Dec 2020 2:47
Operator : SY/AP
Sample : L4948-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 22:26:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
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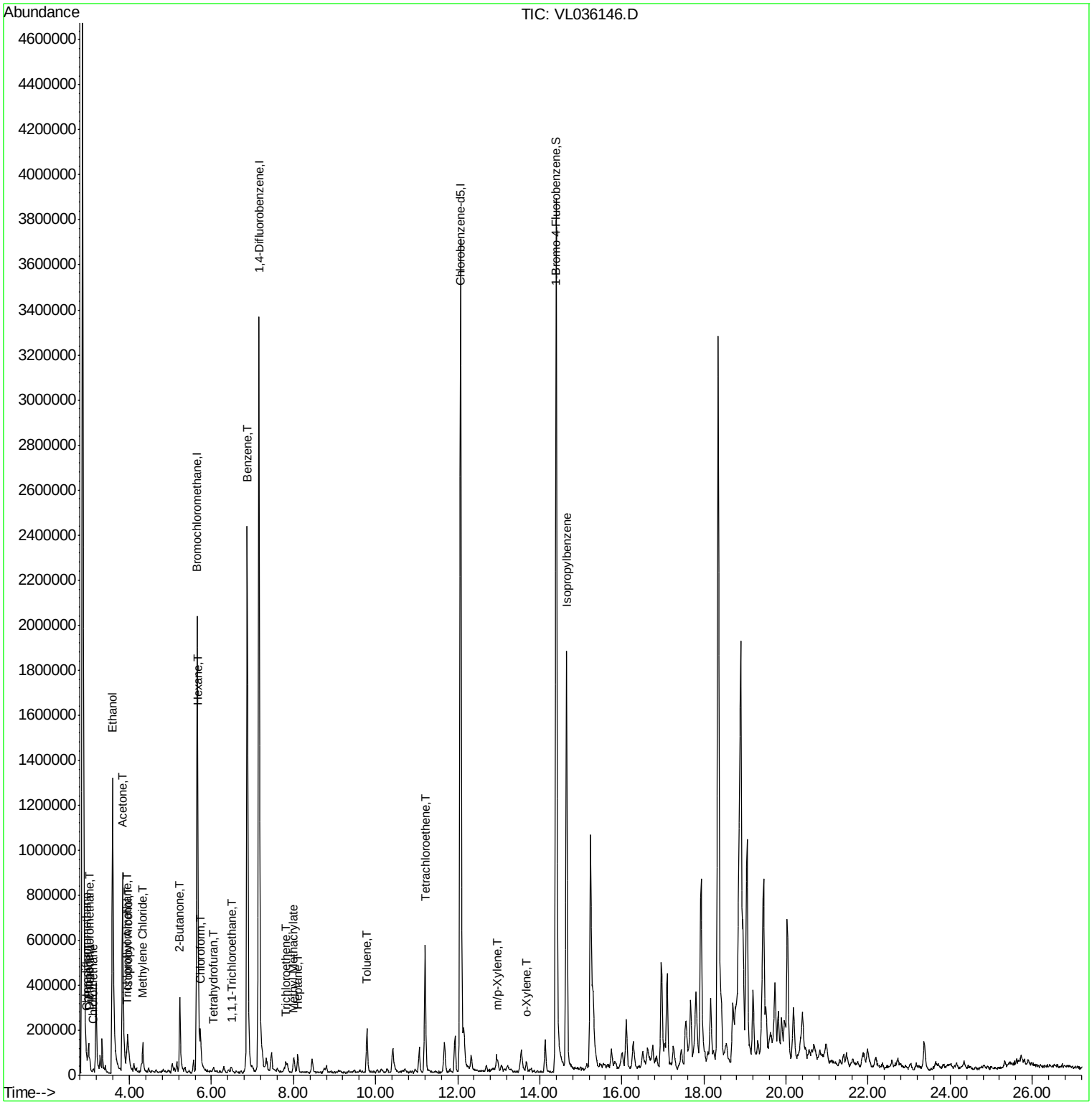
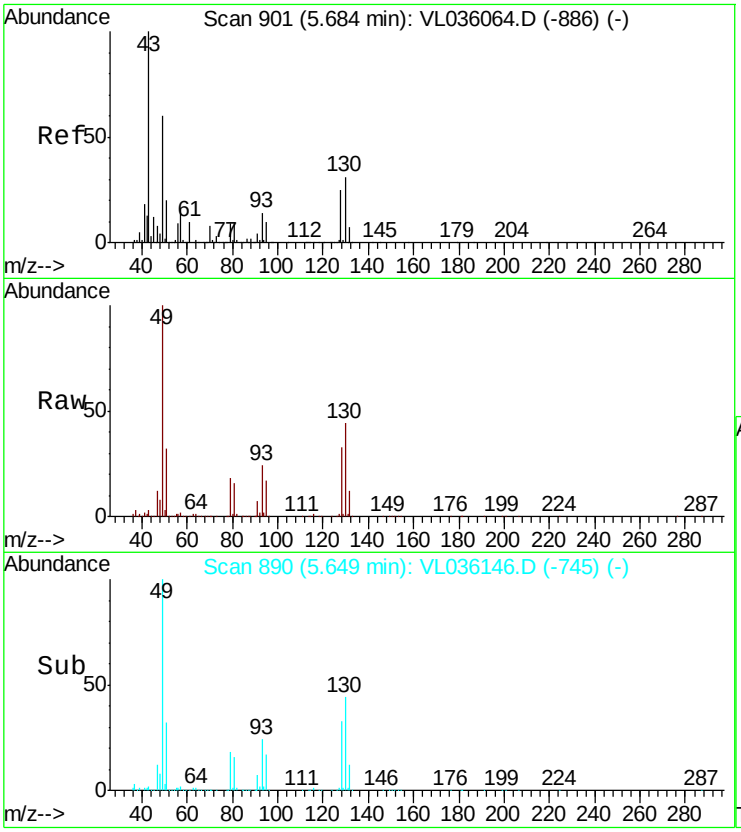
12/15/2020 4:51:55 PM

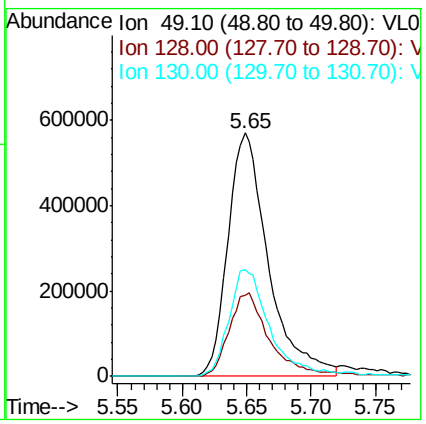




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

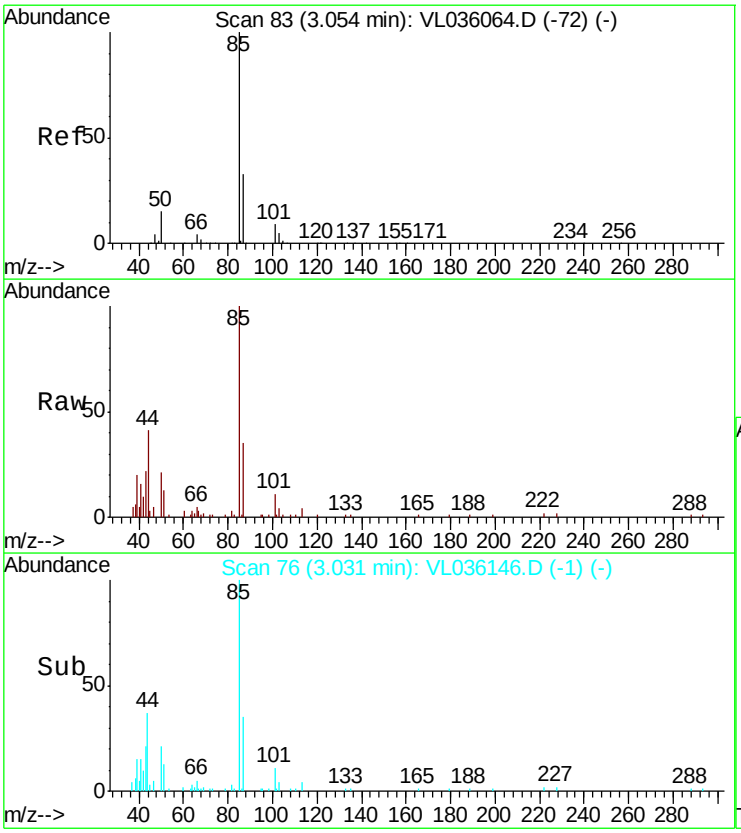
Tgt Ion: 49 Resp: 1240754

Ion	Ratio	Lower	Upper
49	100		
128	35.4	21.1	63.1
130	45.5	27.1	81.3



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

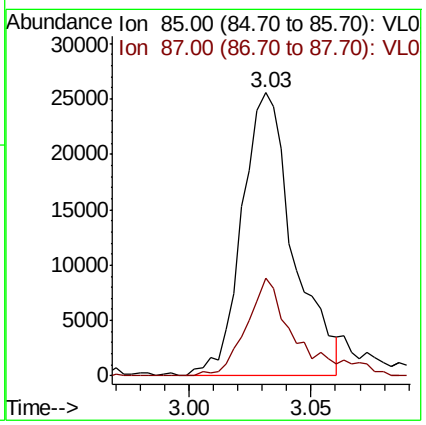
Manual Integrations APPROVED
MMDadoda
12/15/2020 4:51:55 PM

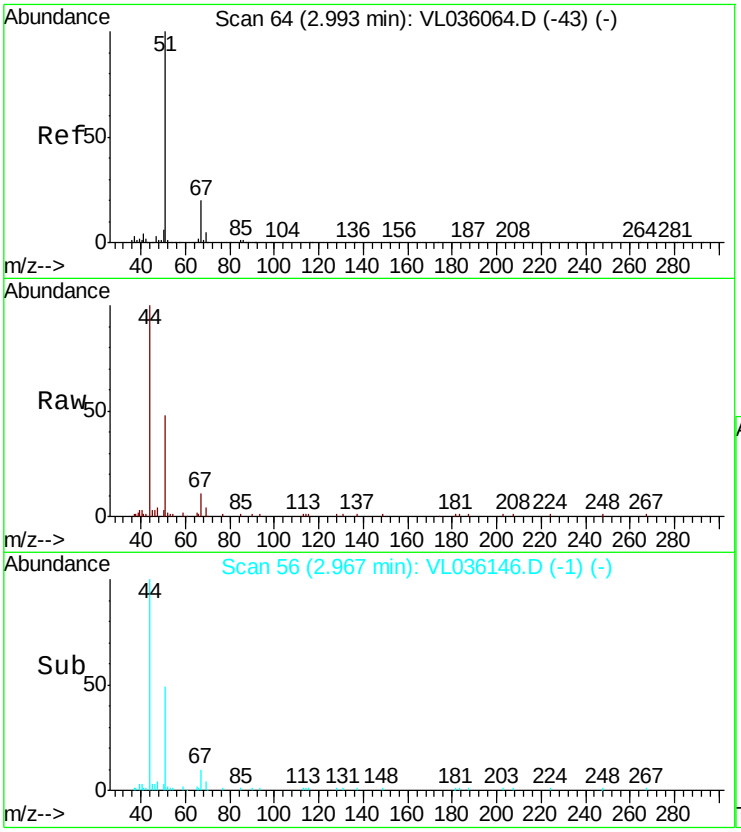


#2
Dichlorodifluoromethane
Concen: 0.258 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 85 Resp: 37365

Ion	Ratio	Lower	Upper
85	100		
87	34.6	26.5	39.7

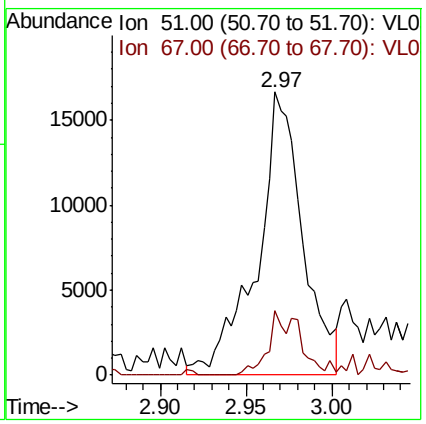




#3
Chlorodifluoromethane
Concen: 0.216 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

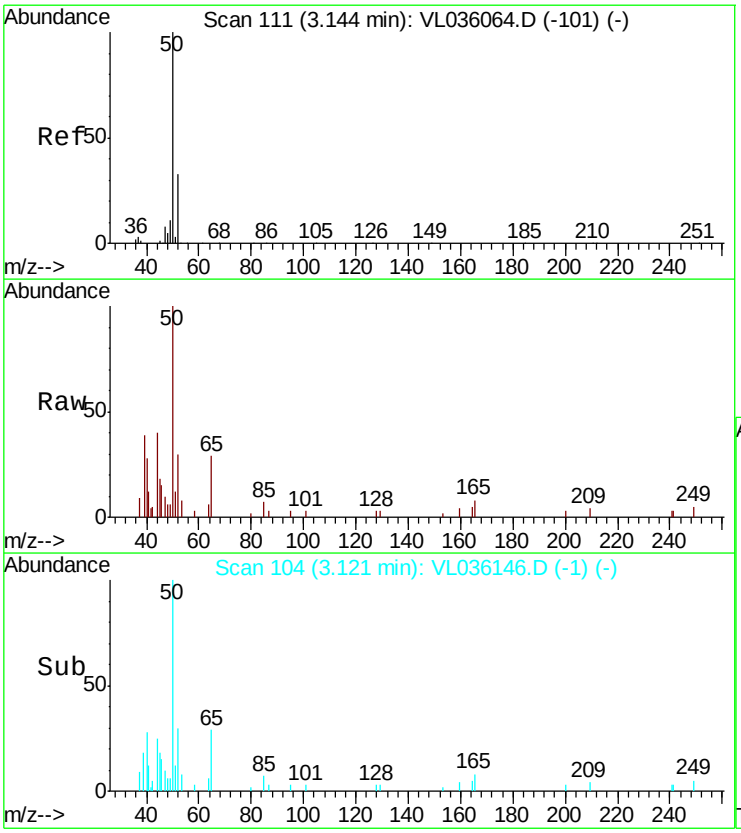
Tgt Ion: 51 Resp: 30605

Ion	Ratio	Lower	Upper
51	100		
67	15.9	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

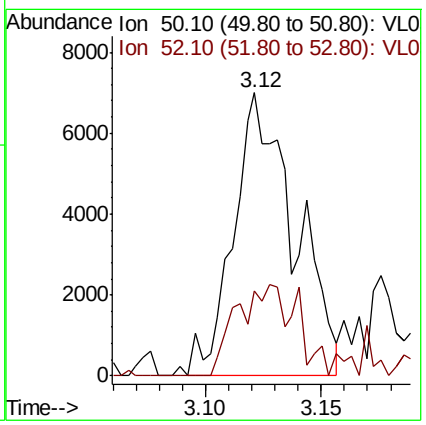
Manual Integrations APPROVED
MMDadoda
12/15/2020 4:51:55 PM

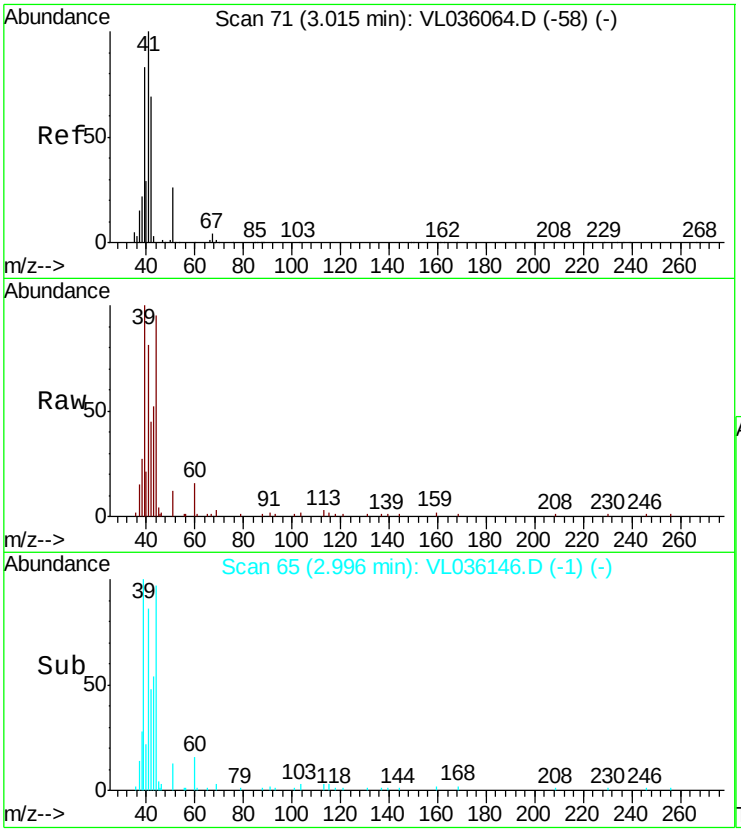


#4
Chloromethane
Concen: 0.185 ppbv m
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 50 Resp: 12839

Ion	Ratio	Lower	Upper
50	100		
52	30.0	26.1	39.1

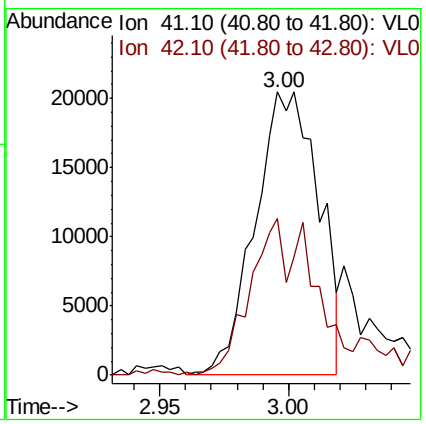




#9
Propene
Concen: 0.497 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.02 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 41 Resp: 35262

Ion	Ratio	Lower	Upper
41	100		
42	64.4	57.0	85.6



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
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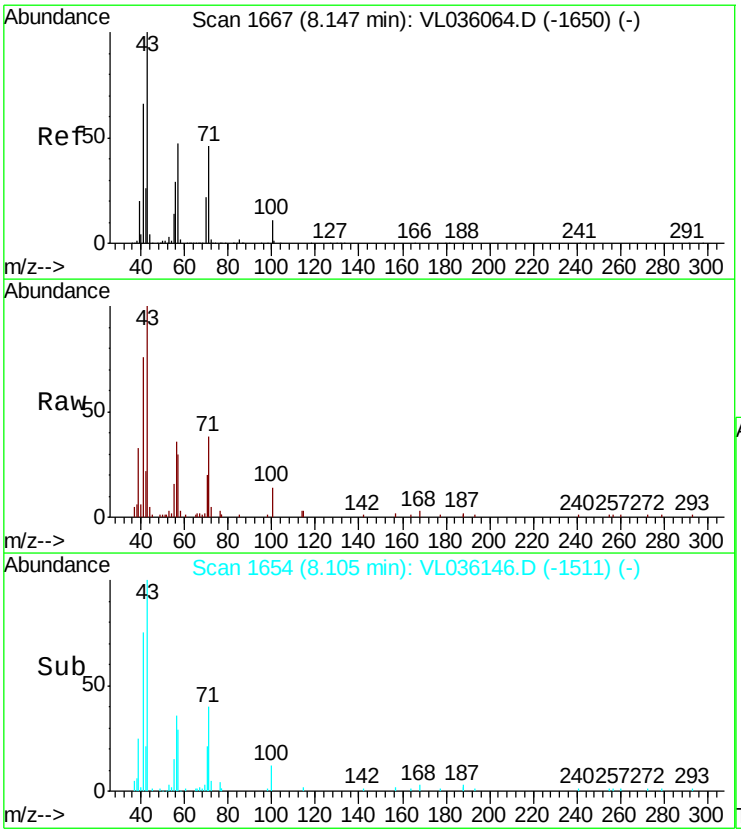
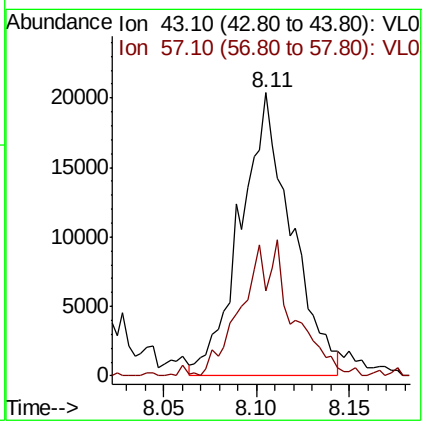
12/15/2020 4:51:55 PM

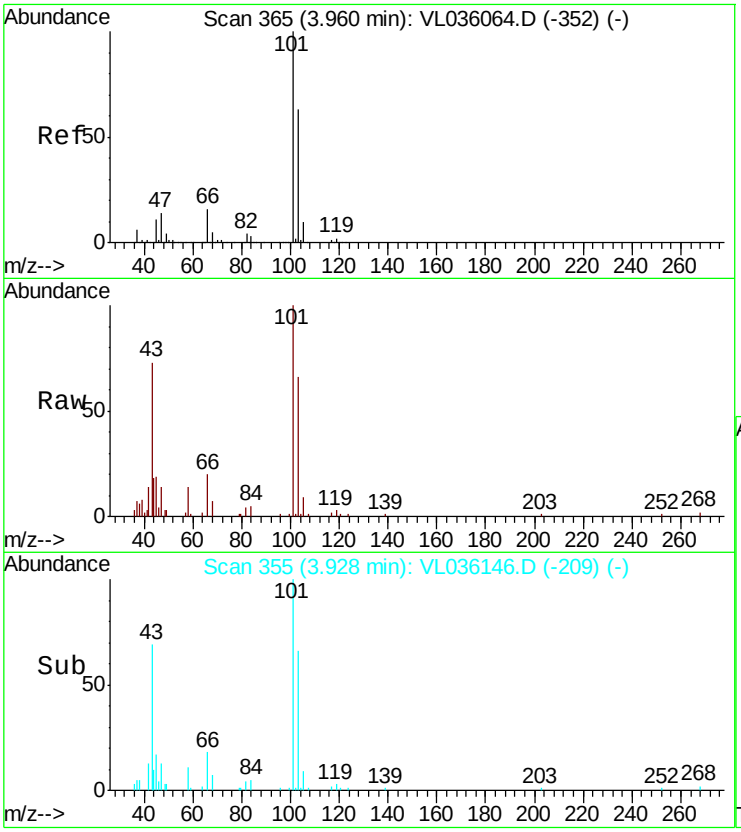


#10
Heptane
Concen: 0.214 ppbv m
RT: 8.11 min Scan# 1654
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 43 Resp: 38825

Ion	Ratio	Lower	Upper
43	100		
57	0.0	37.9	56.9#

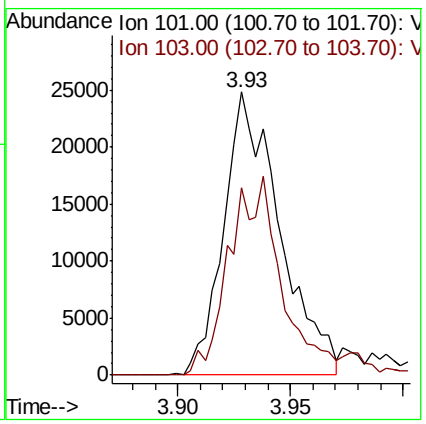




#11
Trichlorofluoromethane
Concen: 0.252 ppbv m
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion:101 Resp: 42848

Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.3	75.5



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
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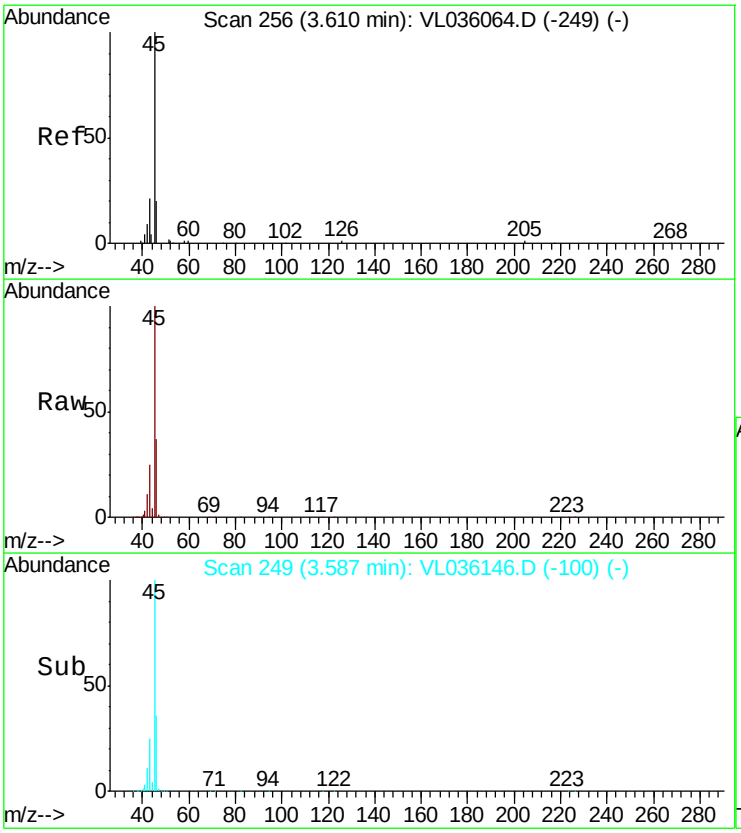
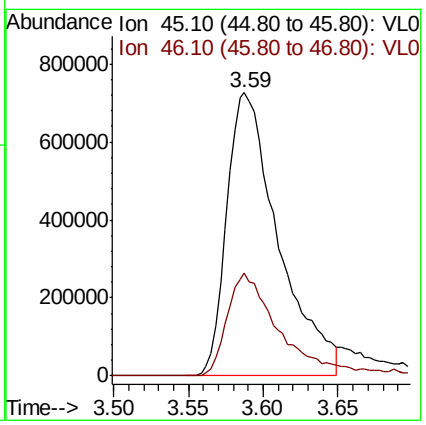
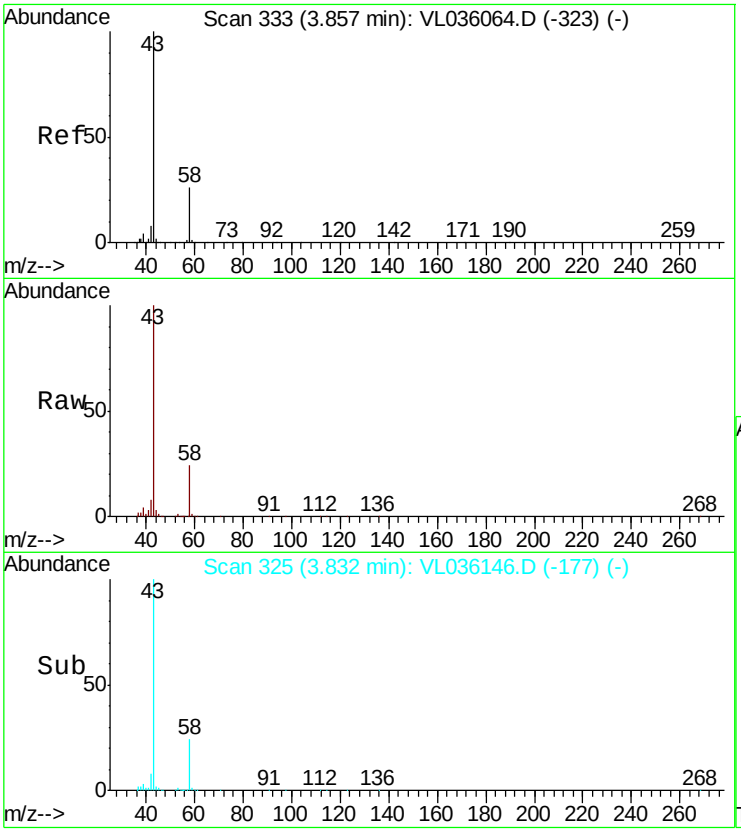


#13
Ethanol
Concen: 178.184 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 45 Resp: 1741939

Ion	Ratio	Lower	Upper
45	100		
46	39.0	19.0	75.8

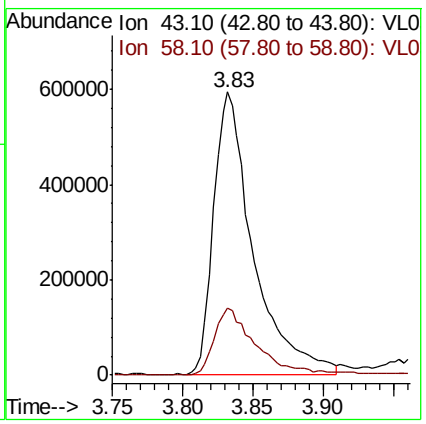




#15
Acetone
Concen: 7.711 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 43 Resp: 1149847

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.9	31.3



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
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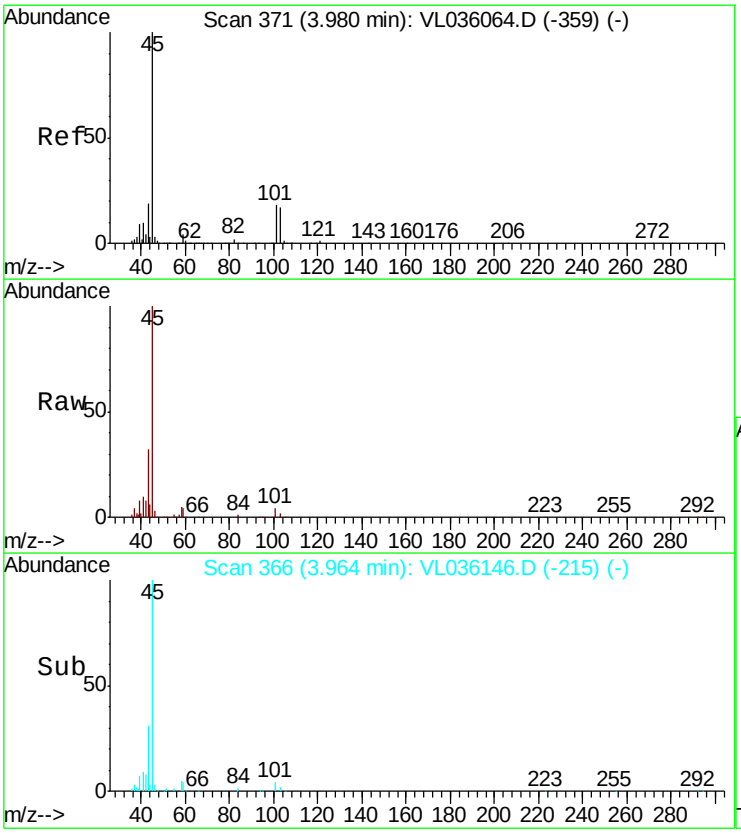
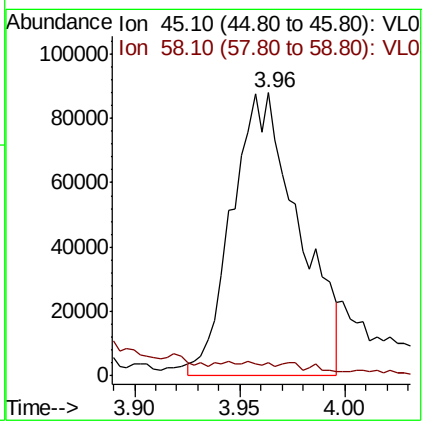
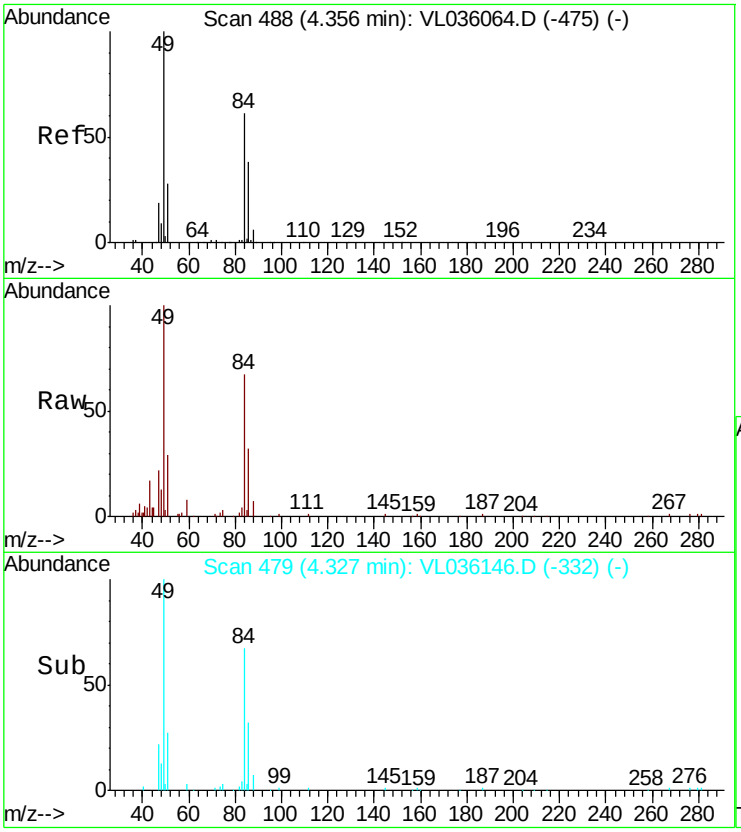


#19
Isopropyl Alcohol
Concen: 2.134 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. -0.02 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 45 Resp: 194470

Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

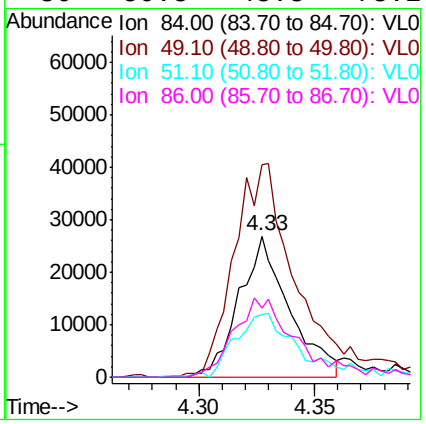




#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 84 Resp: 40361

Ion	Ratio	Lower	Upper
84	100		
49	152.5	133.0	199.4
51	44.5	38.9	58.3
86	50.3	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

Manual Integrations APPROVED
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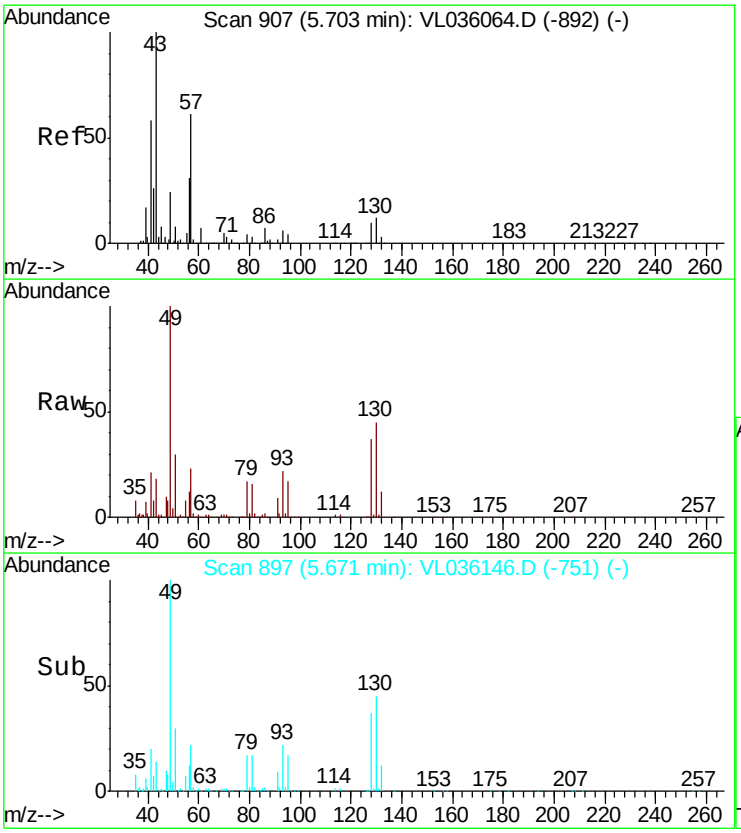
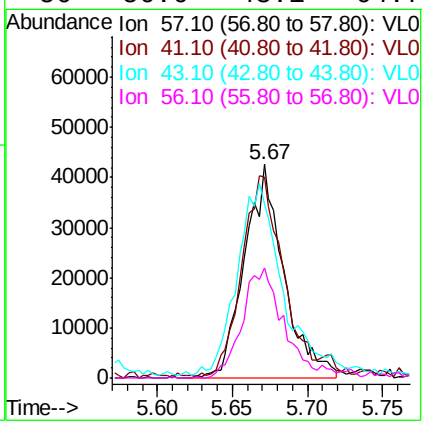
12/15/2020 4:51:55 PM

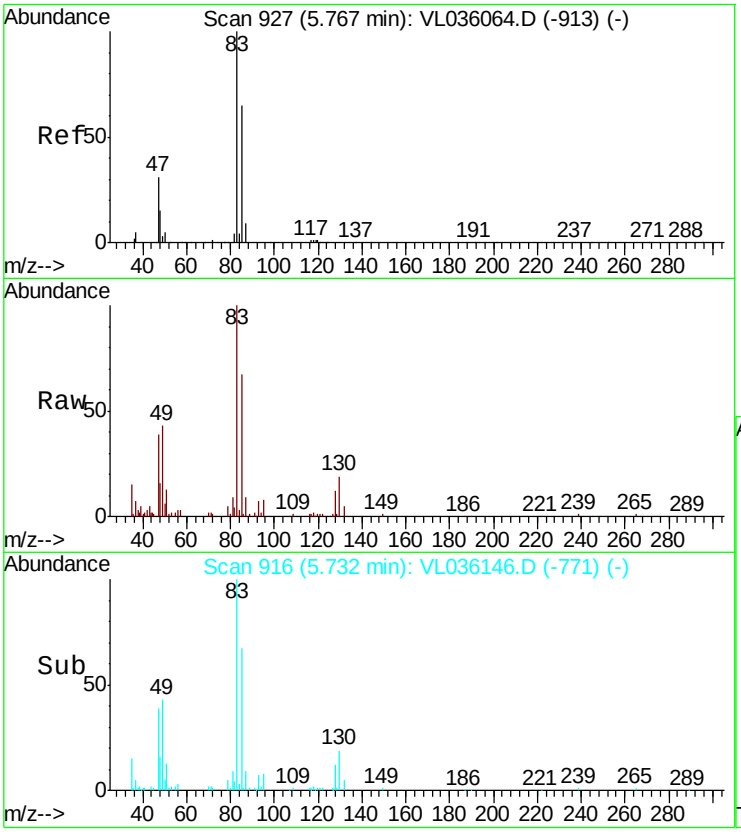


#26
Hexane
Concen: 0.578 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 57 Resp: 77429

Ion	Ratio	Lower	Upper
57	100		
41	105.2	82.9	124.3
43	107.5	199.9	299.9#
56	56.6	43.1	64.7

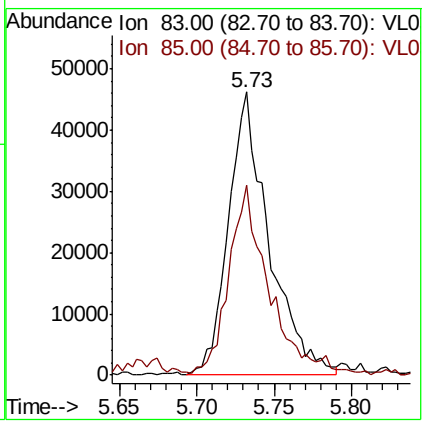




#29
Chloroform
Concen: 0.478 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

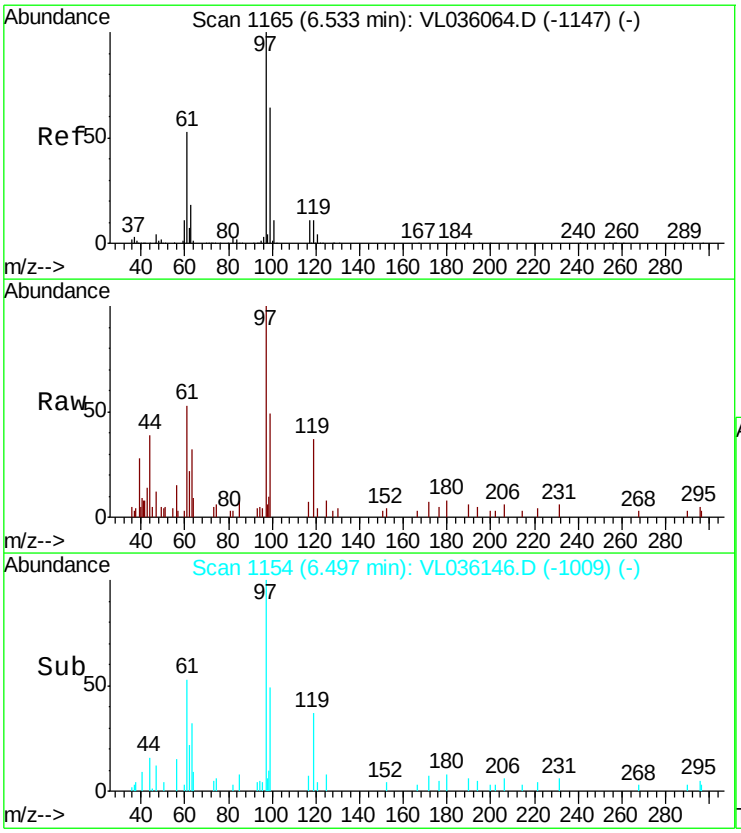
Tgt Ion: 83 Resp: 84221

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

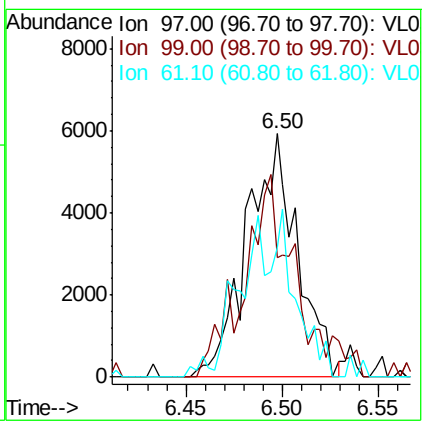
Manual Integrations APPROVED
MMDadoda
12/15/2020 4:51:55 PM

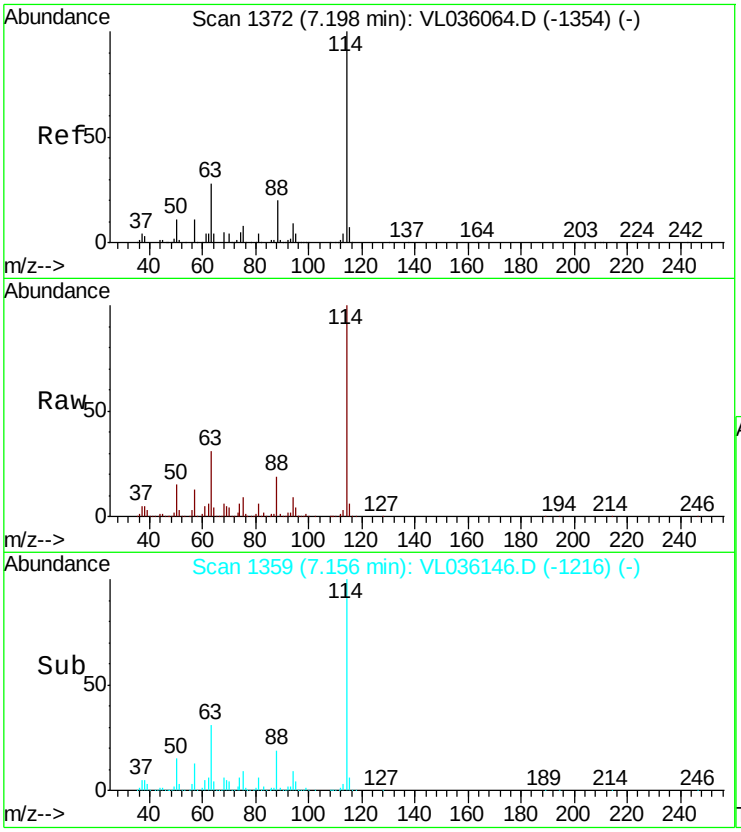


#32
1,1,1-Trichloroethane
Concen: 0.059 ppbv m
RT: 6.50 min Scan# 1154
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 97 Resp: 10788

Ion	Ratio	Lower	Upper
97	100		
99	84.6	52.4	78.6#
61	70.9	43.4	65.0#

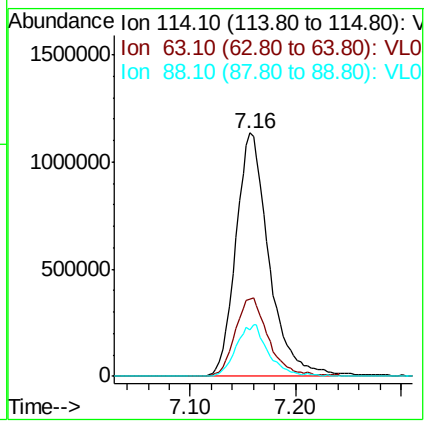




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

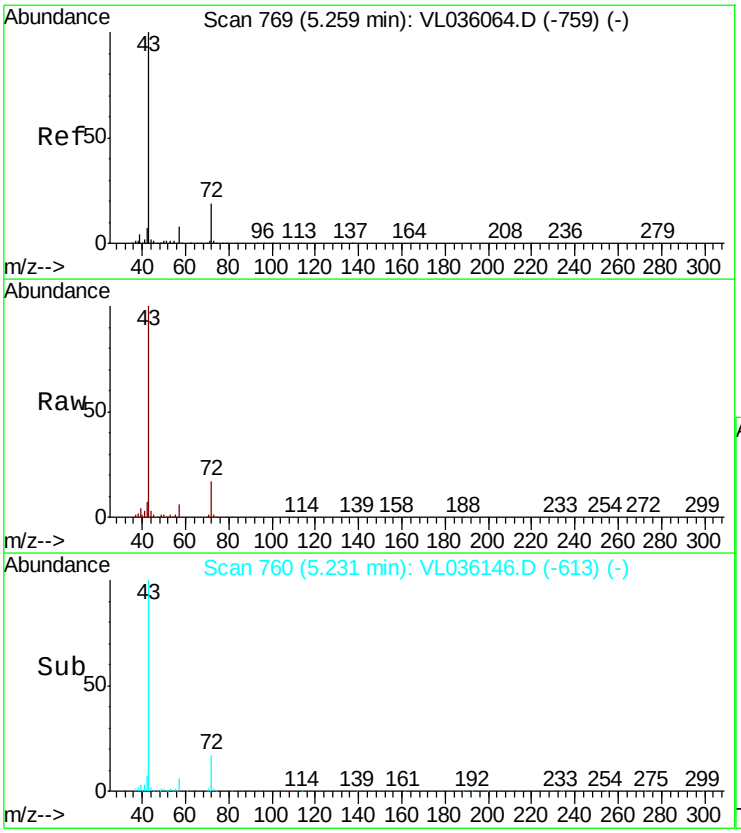
Tgt Ion:114 Resp: 2466778

Ion	Ratio	Lower	Upper
114	100		
63	33.1	23.6	35.4
88	21.0	15.8	23.6



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

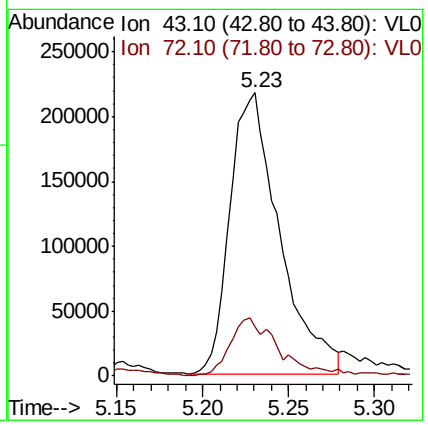
Manual Integrations APPROVED
MMDadoda
12/15/2020 4:51:55 PM

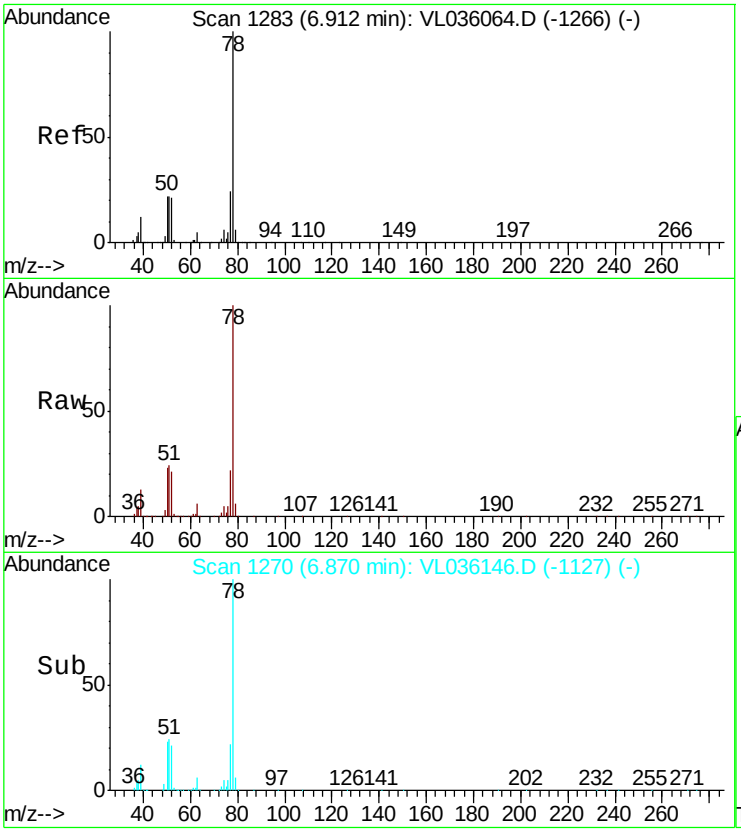


#34
2-Butanone
Concen: 2.661 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 43 Resp: 435431

Ion	Ratio	Lower	Upper
43	100		
72	21.8	16.5	24.7

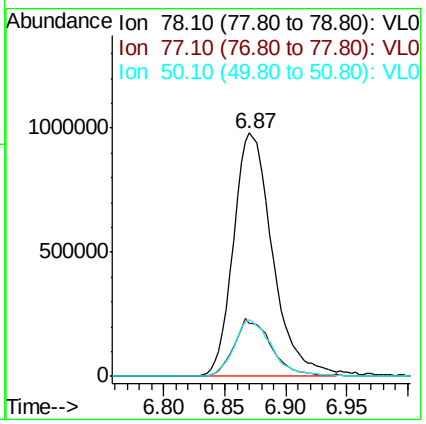




#36
Benzene
Concen: 10.418 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 78 Resp: 2177890

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.4	29.2
50	23.3	17.8	26.8



Instrument :
MSVOA_L
ClientSampleId :
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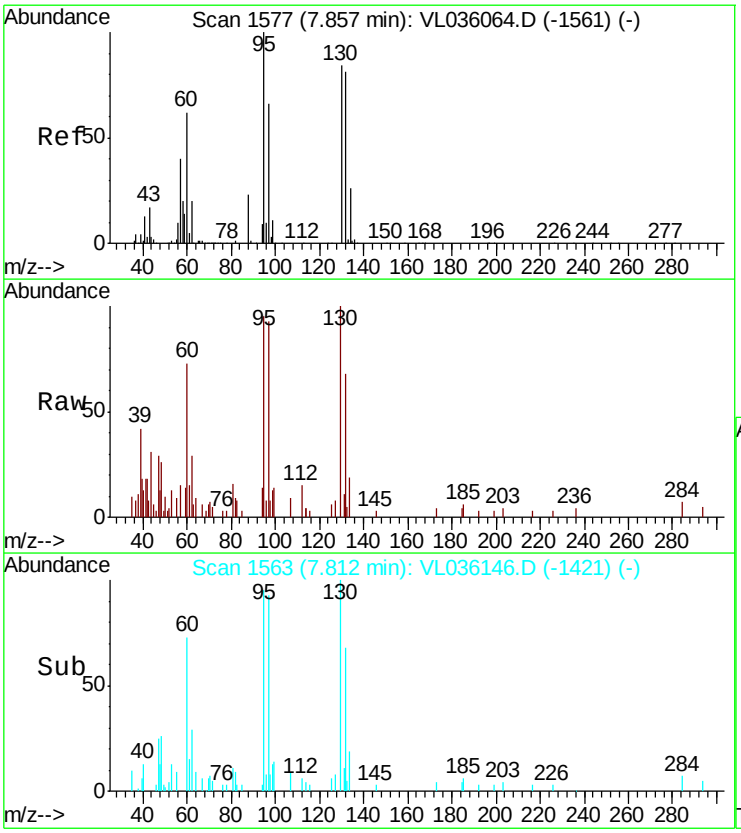
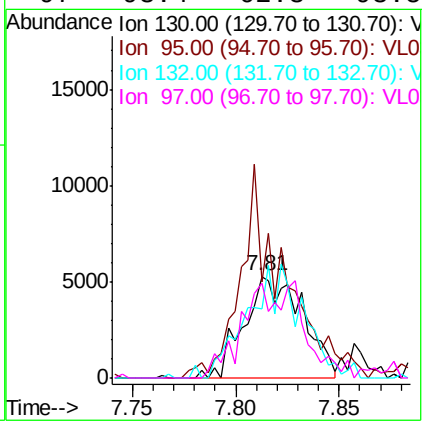
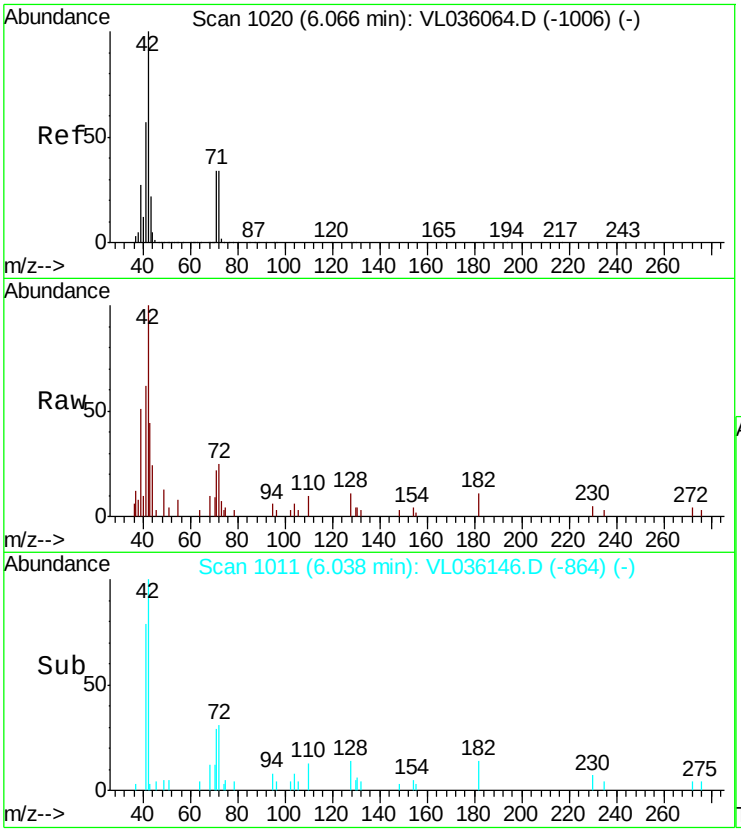


#38
Trichloroethene
Concen: 0.133 ppbv m
RT: 7.81 min Scan# 1563
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion:130 Resp: 10406

Ion	Ratio	Lower	Upper
130	100		
95	94.7	95.2	142.8#
132	68.2	76.9	115.3#
97	93.4	62.3	93.5

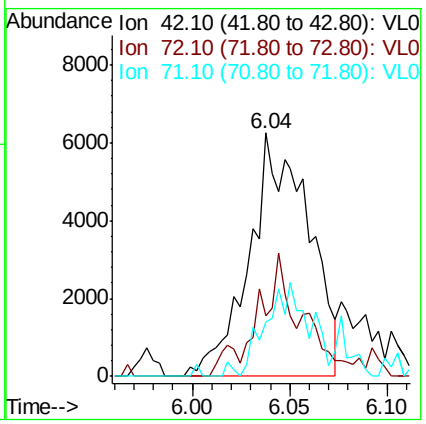




#41
Tetrahydrofuran
Concen: 0.135 ppbv m
RT: 6.04 min Scan# 1011
Delta R.T. -0.03 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 42 Resp: 13160

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

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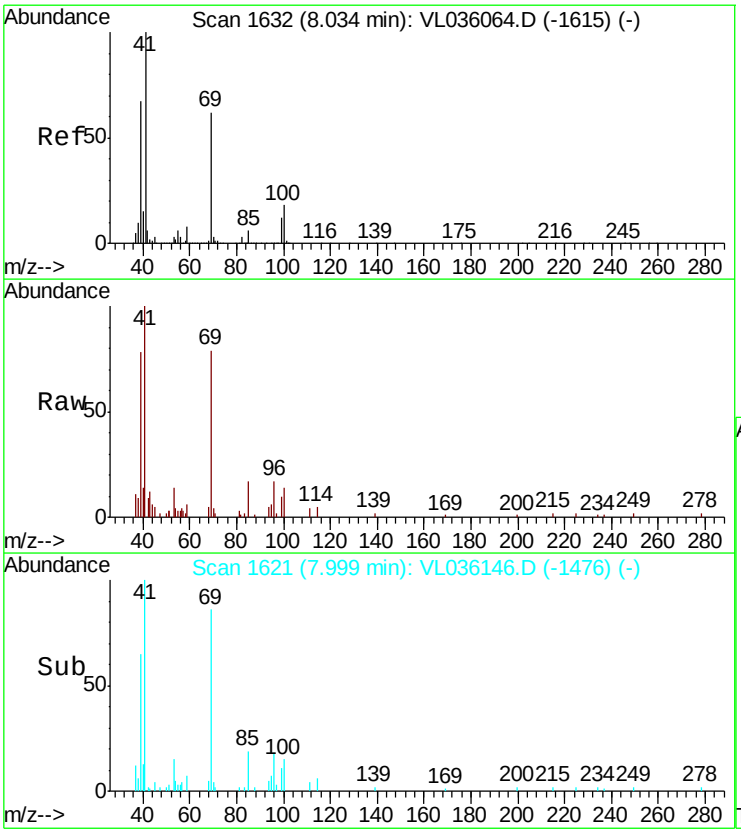
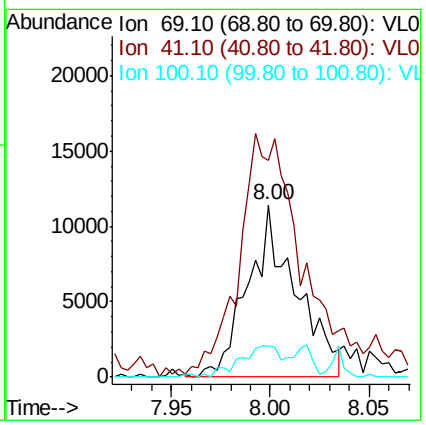
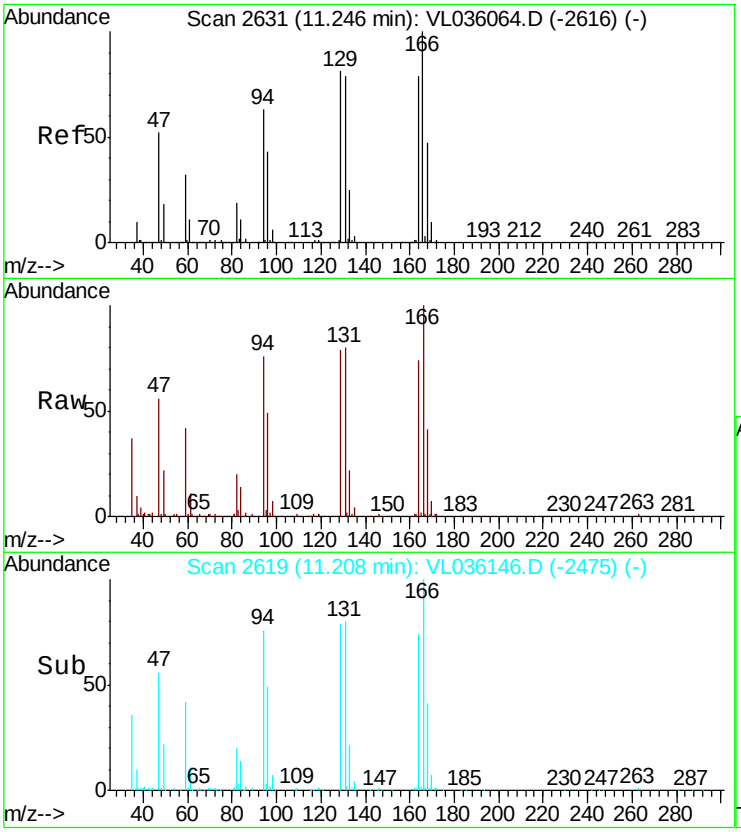


#43
Methyl Methacrylate
Concen: 0.214 ppbv m
RT: 8.00 min Scan# 1621
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 69 Resp: 19205

Ion	Ratio	Lower	Upper
69	100		
41	199.2	133.0	199.6
100	0.0	25.4	38.0#

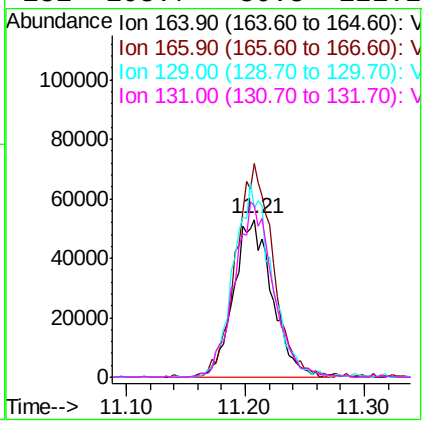




#52
Tetrachloroethene
Concen: 1.570 ppbv m
RT: 11.21 min Scan# 2619
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion:164 Resp: 118799

Ion	Ratio	Lower	Upper
164	100		
166	135.5	101.9	152.9
129	107.1	82.1	123.1
131	108.7	80.8	121.2



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

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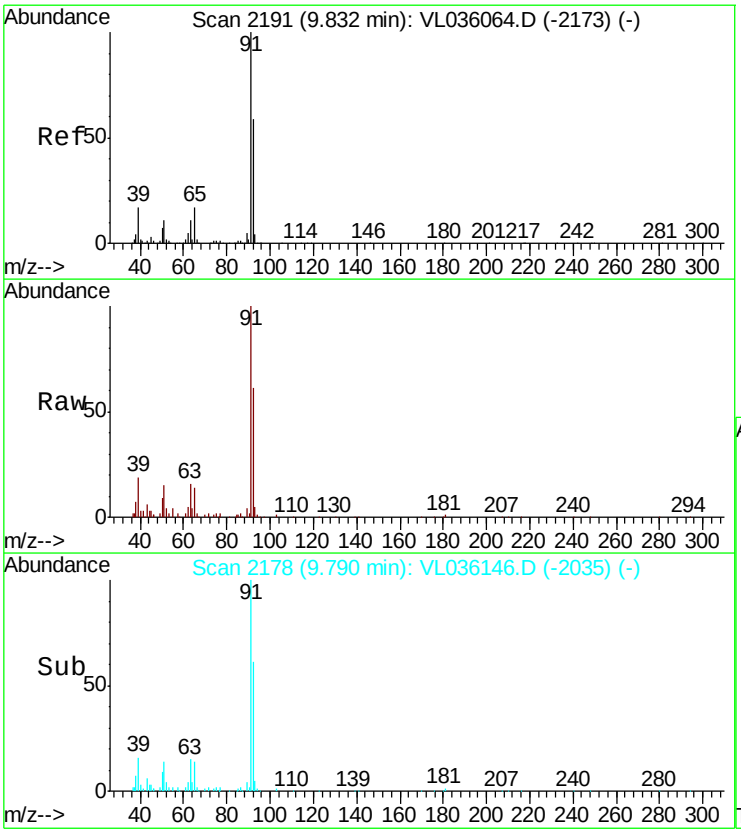
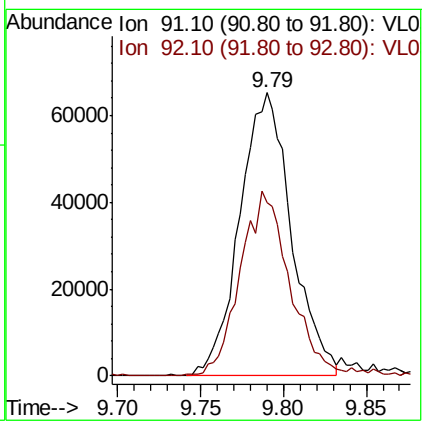
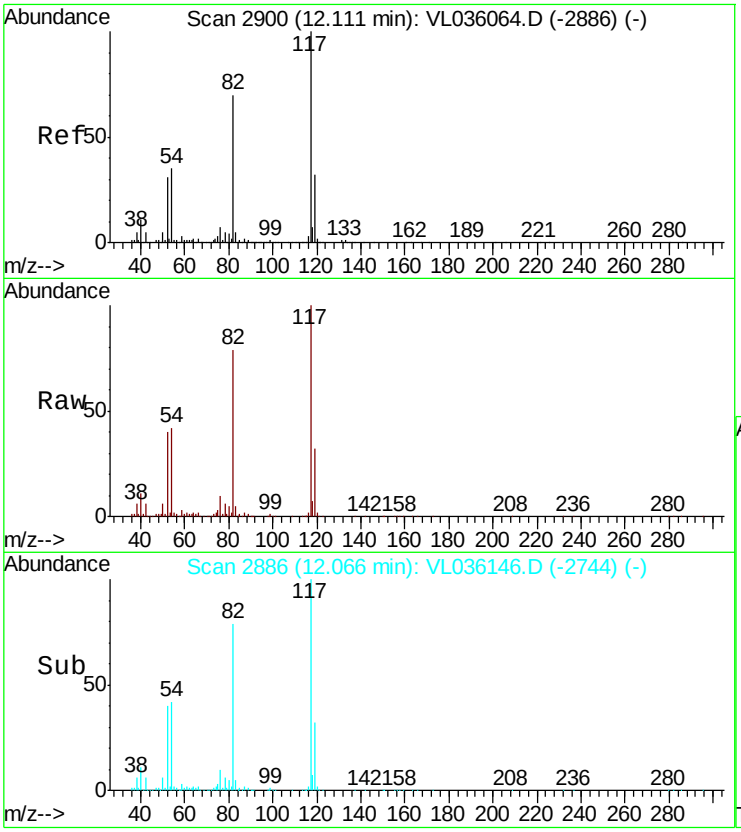


#53
Toluene
Concen: 0.605 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 91 Resp: 142011

Ion	Ratio	Lower	Upper
91	100		
92	63.8	48.2	72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion:117 Resp: 2231264

Ion	Ratio	Lower	Upper
117	100		
82	80.8	0.0	0.0#
119	32.5	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
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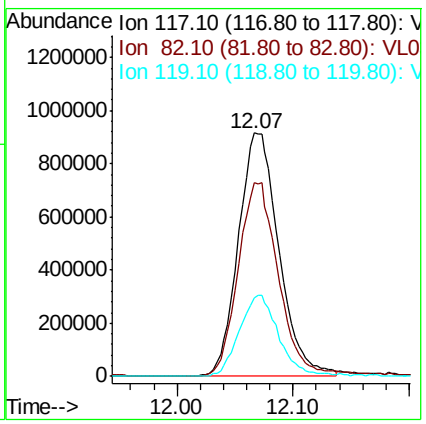
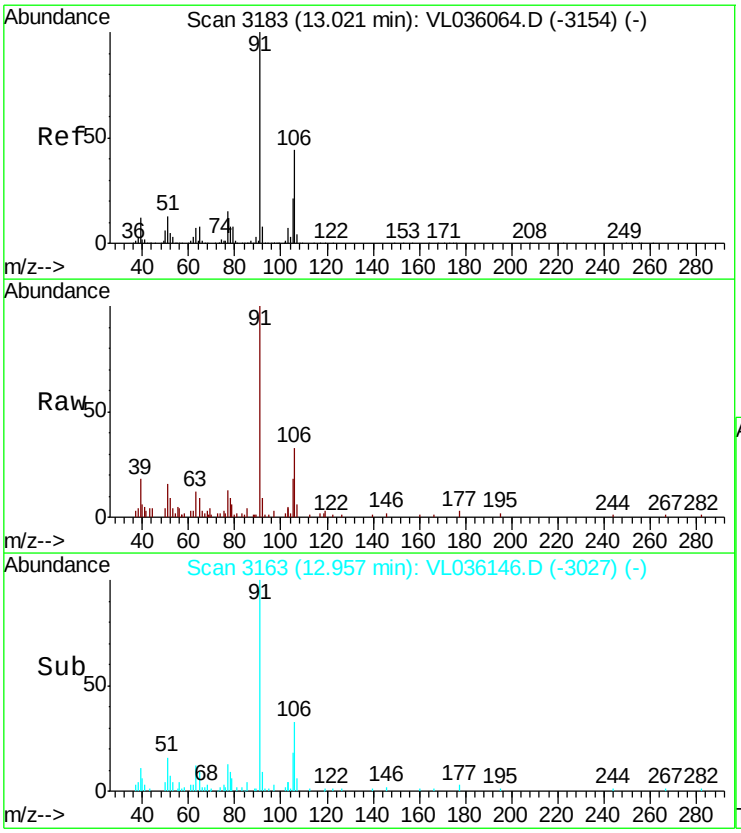
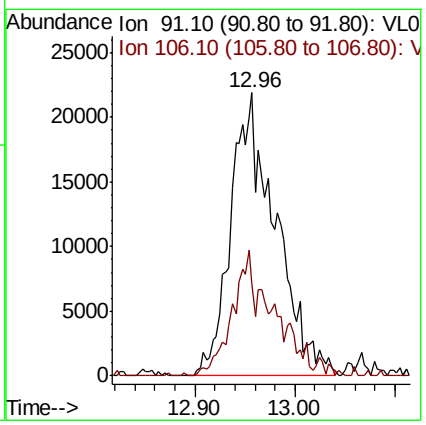


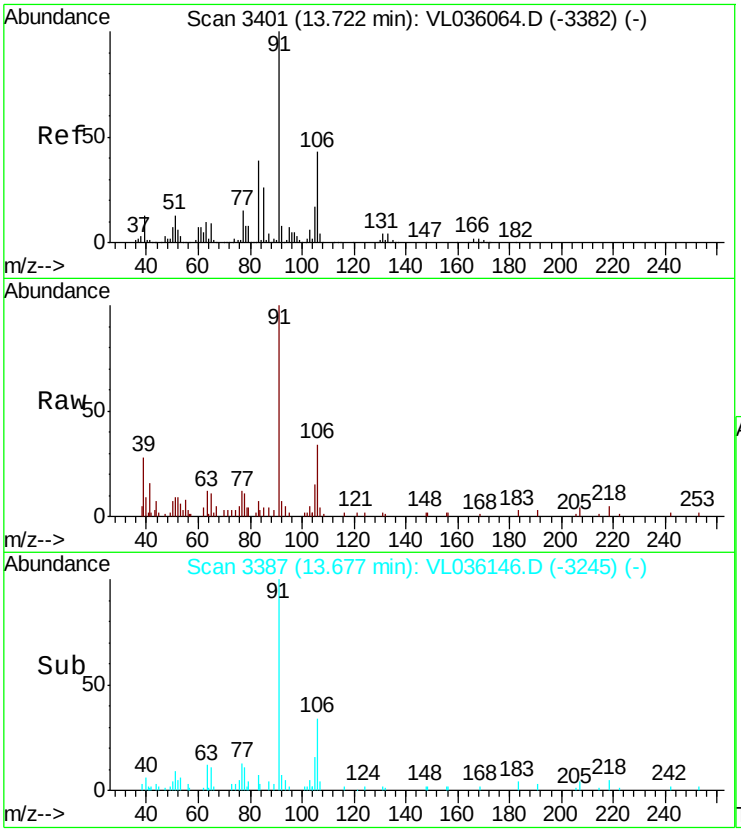


#59
m/p-Xylene
Concen: 0.262 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.06 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 91 Resp: 67566

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#





#60
o-Xylene
Concen: 0.130 ppbv m
RT: 13.68 min Scan# 3387
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 91 Resp: 31487

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	64.6#

Instrument :
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ClientSampleId :
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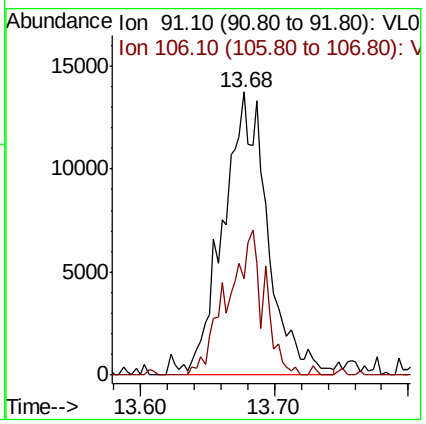
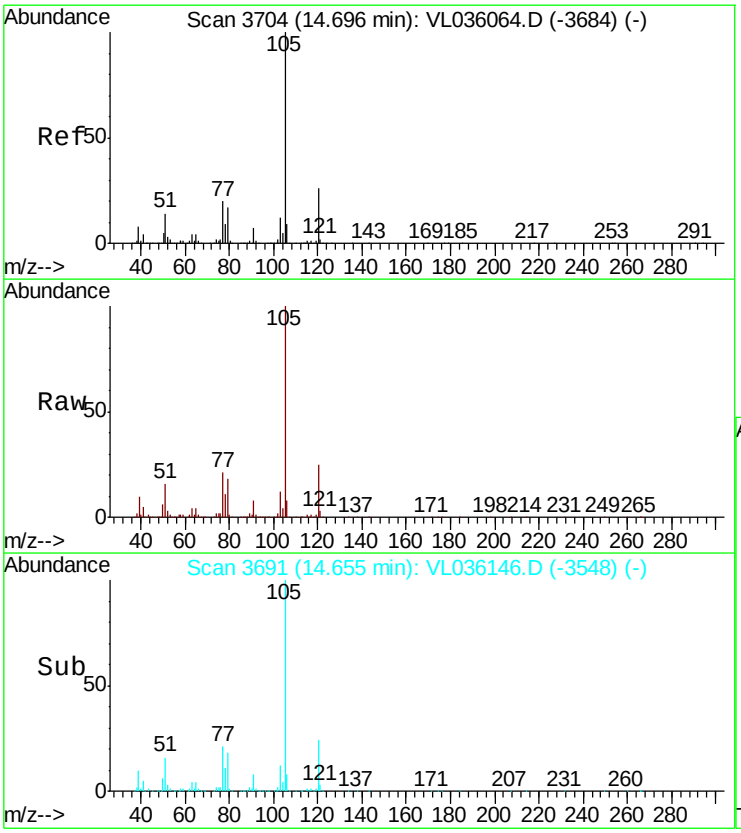
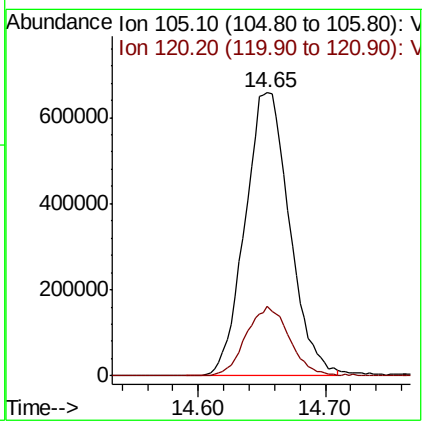


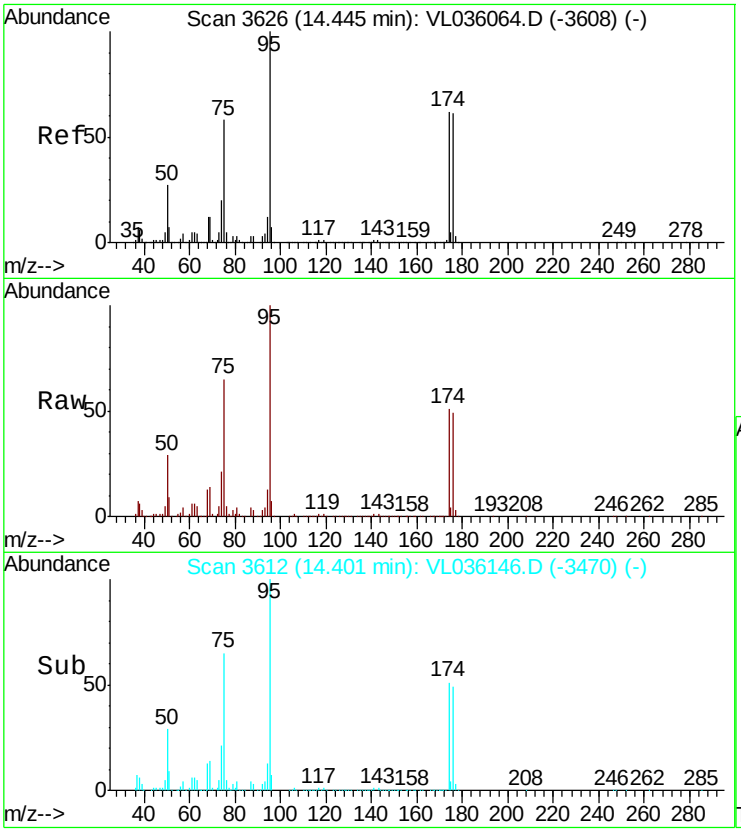


#62
Isopropylbenzene
Concen: 4.458 ppbv m
RT: 14.65 min Scan# 3691
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion:105 Resp: 1603563

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.1	30.1

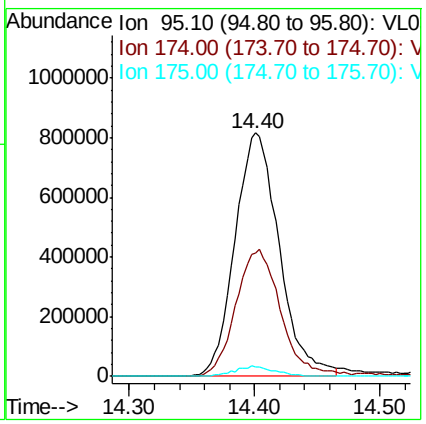




#68
1-Bromo-4-Fluorobenzene
Concen: 11.285 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.04 min
Lab File: VL036146.D
Acq: 11 Dec 2020 2:47

Tgt Ion: 95 Resp: 1999458

Ion	Ratio	Lower	Upper
95	100		
174	55.3	50.7	76.1
175	4.0	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
SS-1B

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