Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033021\
Data File : VL036564.D
Acq On : 30 Mar 2021 10:57
Operator : SY/AP
Sample : M1759-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 31 05:12:48 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1346517	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.15	114	2983769	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.05	117	2681238	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	2074869	9.71	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	40318	0.184	ppbv		89
3) Chlorodifluoromethane	2.97	51	84724	0.337	ppbv	#	88
4) Chloromethane	3.12	50	42879	0.483	ppbv	#	76
9) Propene	3.00	41	37050	0.462	ppbv	#	63
11) Trichlorofluoromethane	3.93	101	27436	0.123	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3663	0.026	ppbv	#	11
13) Ethanol	3.59	45	73453	7.691	ppbv	#	34
15) Acetone	3.83	43	1351742	10.200	ppbv		97
16) 1,3-Butadiene	3.30	39	3084	0.033	ppbv		100
19) Isopropyl Alcohol	3.96	45	101908	1.398	ppbv	#	58
20) Methylene Chloride	4.32	84	294309	4.743	ppbv		97
23) Vinyl Acetate	5.04	43	7142	0.032	ppbv	#	1
25) Ethyl Acetate	5.66	43	618274	1.962	ppbv	#	79
26) Hexane	5.66	57	841990	5.759	ppbv	#	46
29) Chloroform	5.73	83	4759	0.020	ppbv	#	53
34) 2-Butanone	5.23	43	24513	0.168	ppbv	#	43
35) Carbon Tetrachloride	6.99	117	5388	0.024	ppbv	#	51
36) Benzene	6.86	78	51022	0.185	ppbv	#	86
39) 1,2-Dichloropropane	7.15	63	847386	7.591	ppbv	#	24
41) Tetrahydrofuran	5.66	42	362567	5.399	ppbv	#	53
44) 2,2,4-Trimethylpentane	7.83	57	18900	0.039	ppbv	#	18
53) Toluene	9.78	91	650511	2.220	ppbv		100
59) m/p-Xylene	12.96	91	7758	0.023	ppbv	#	32
60) o-Xylene	13.65	91	9403	0.029	ppbv	#	31
61) Styrene	13.49	104	16867	0.102	ppbv	#	26

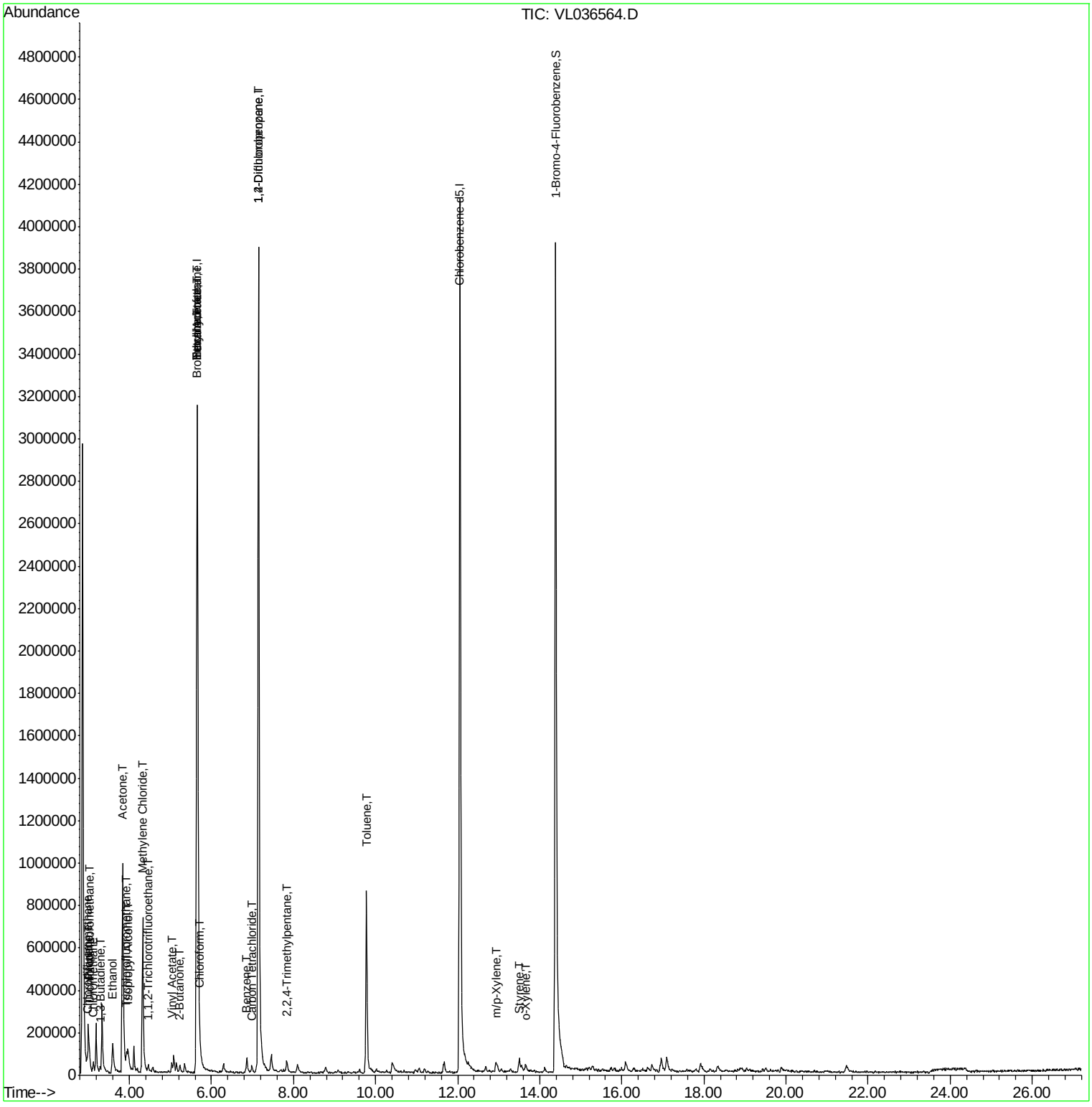
(#) = qualifier out of range (m) = manual integration (+) = signals summed

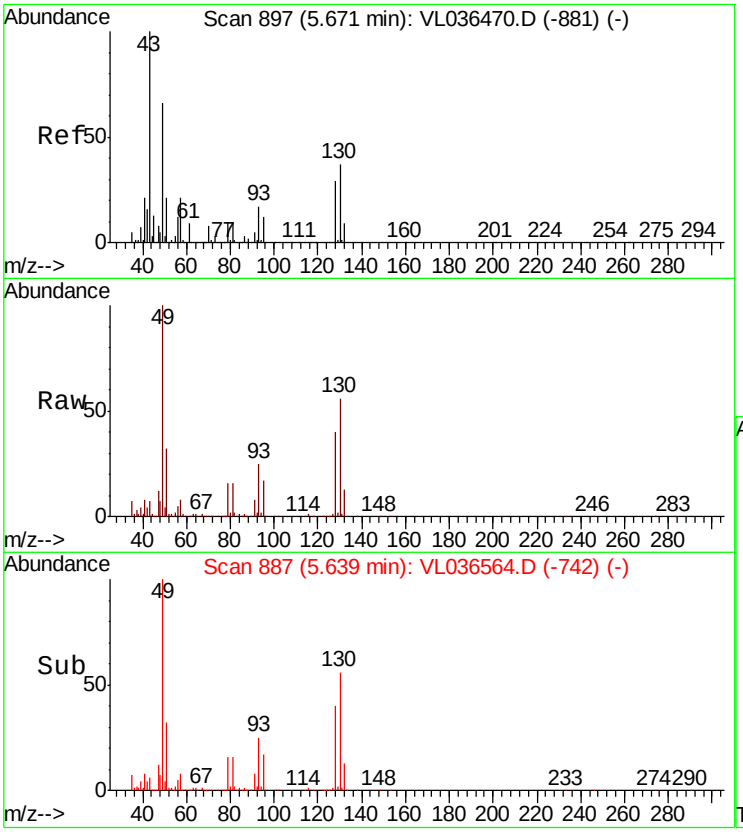
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033021\
Data File : VL036564.D
Acq On : 30 Mar 2021 10:57
Operator : SY/AP
Sample : M1759-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 31 05:12:48 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration



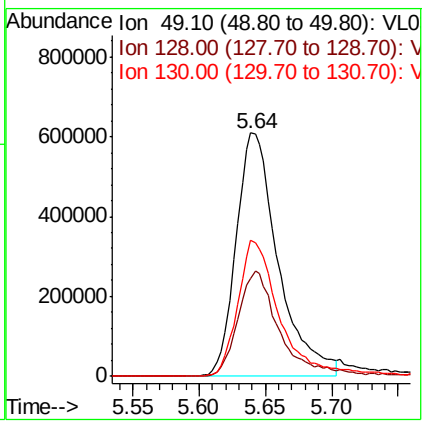


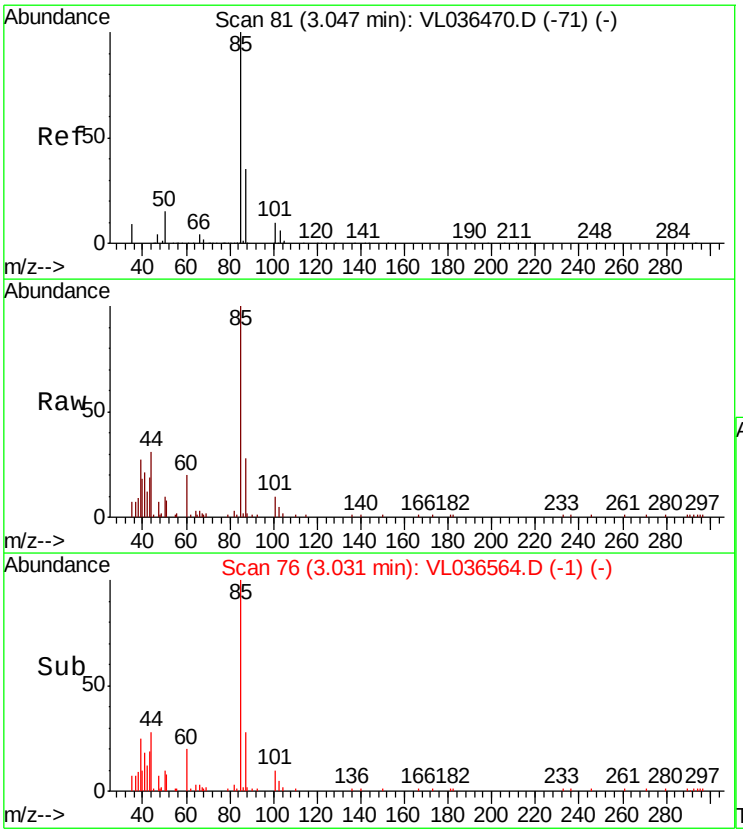
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1346517

Ion	Ratio	Lower	Upper
49	100		
128	43.6	23.5	70.6
130	57.9	29.1	87.4

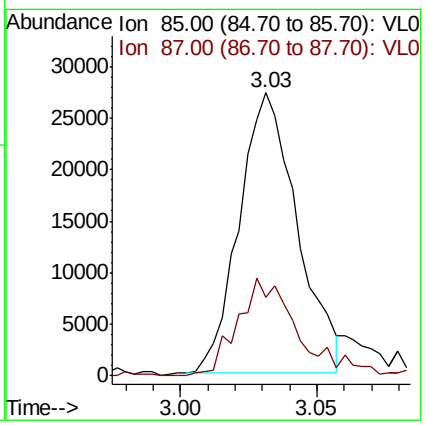


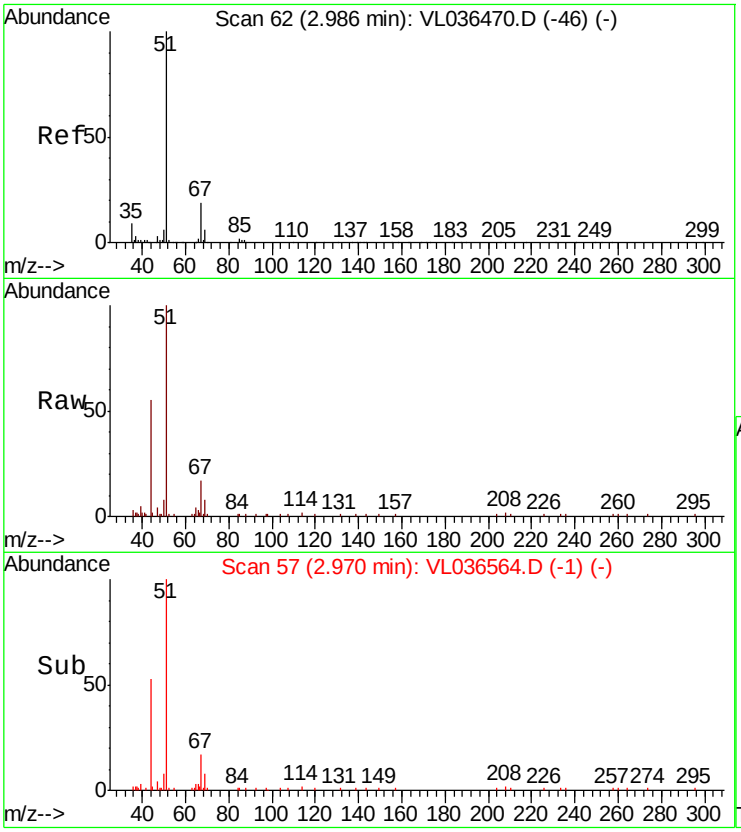


#2
Dichlorodifluoromethane
Concen: 0.184 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 85 Resp: 40318

Ion	Ratio	Lower	Upper
85	100		
87	28.2	27.8	41.8



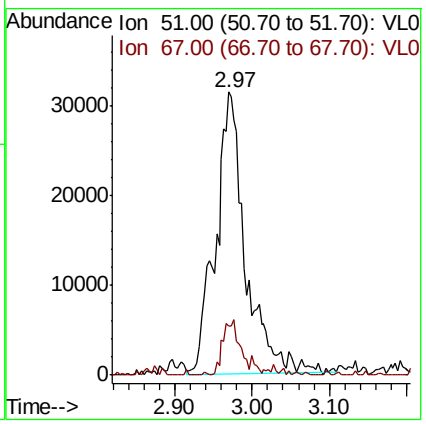


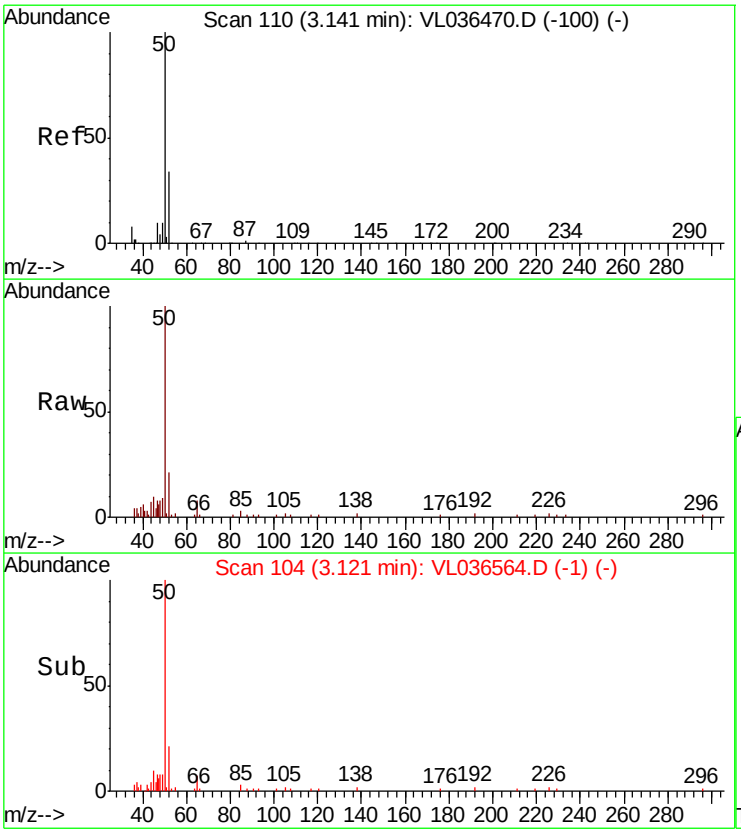
#3
Chlorodifluoromethane
Concen: 0.337 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 84724

Ion	Ratio	Lower	Upper
51	100		
67	13.1	14.7	22.1#

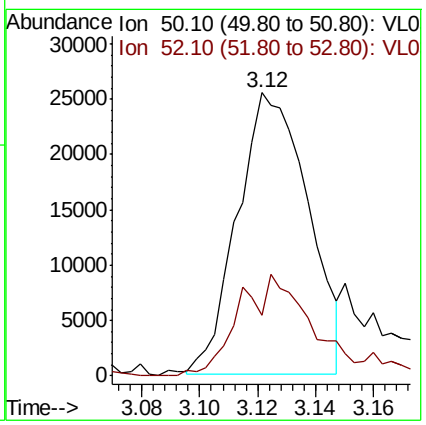


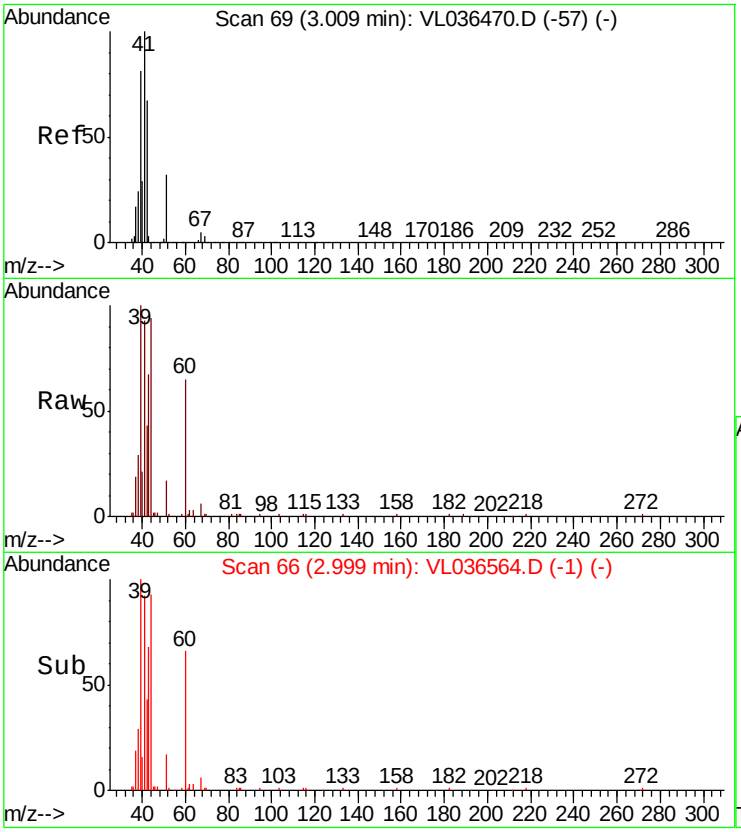


#4
Chloromethane
Concen: 0.483 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 50 Resp: 42879

Ion	Ratio	Lower	Upper
50	100		
52	20.3	27.0	40.6#



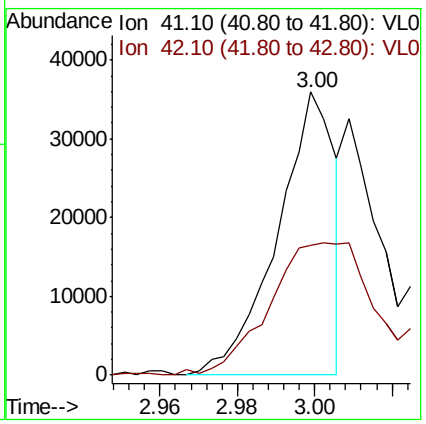


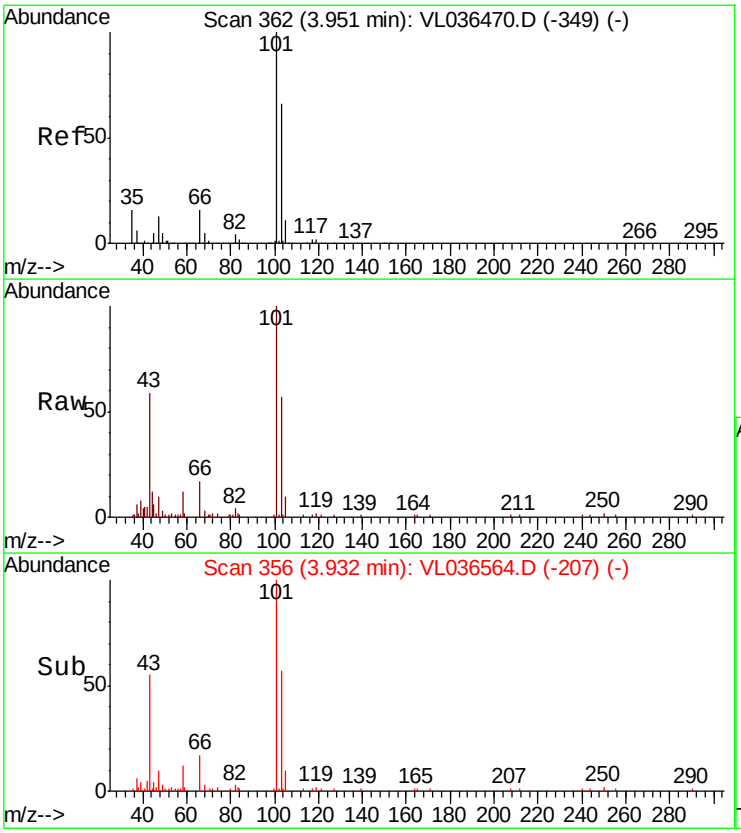
#9
Propene
Concen: 0.462 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 37050

Ion	Ratio	Lower	Upper
41	100		
42	101.6	57.0	85.4#

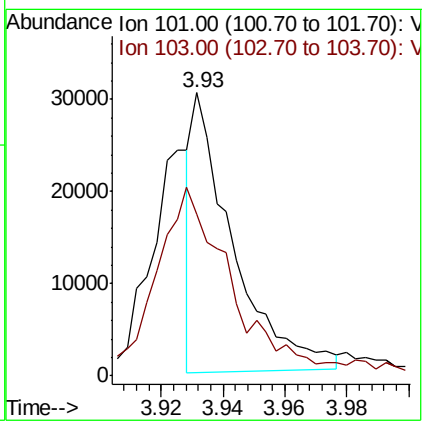


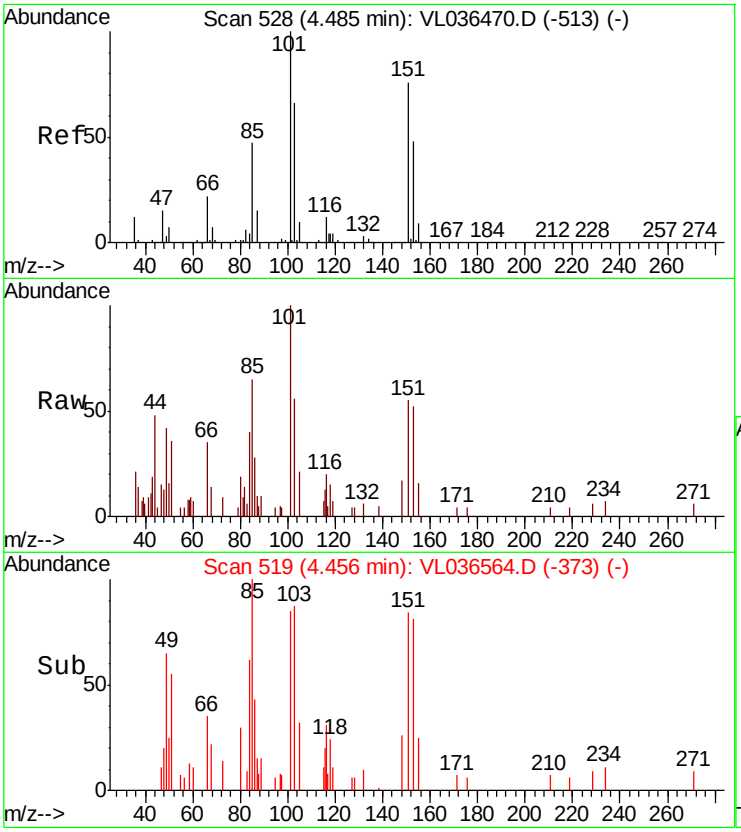


#11
Trichlorofluoromethane
Concen: 0.123 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion:101 Resp: 27436

Ion	Ratio	Lower	Upper
101	100		
103	57.0	52.5	78.7



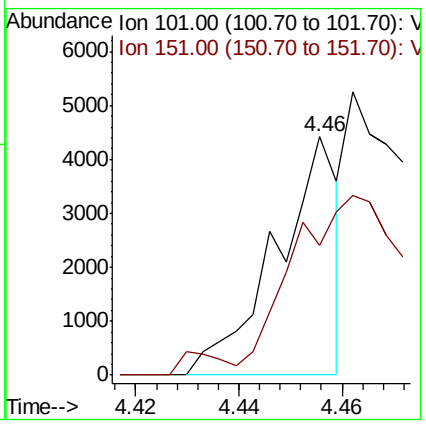


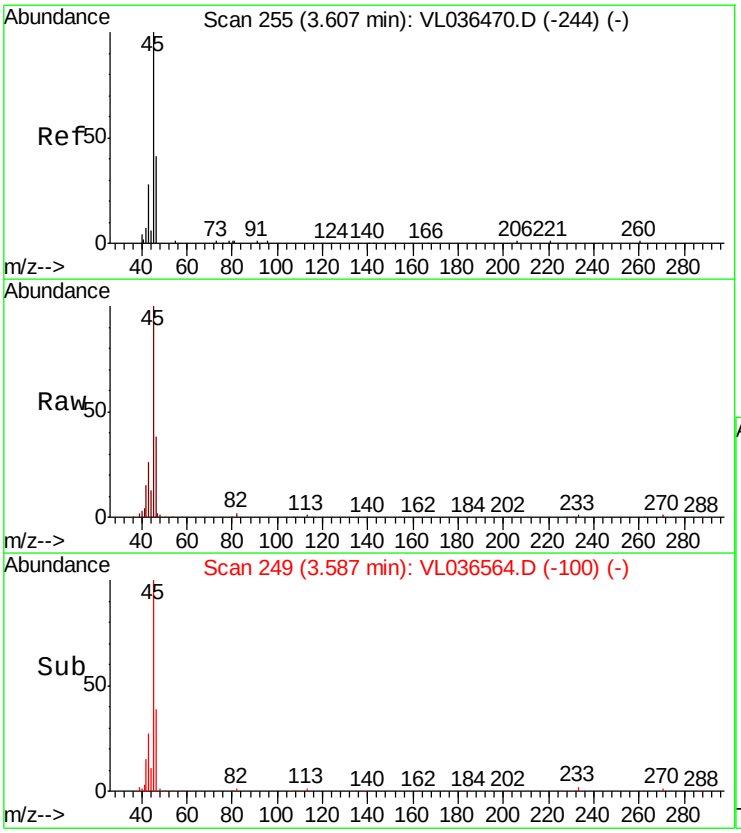
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.026 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 3663

Ion	Ratio	Lower	Upper
101	100		
151	0.0	60.9	91.3#

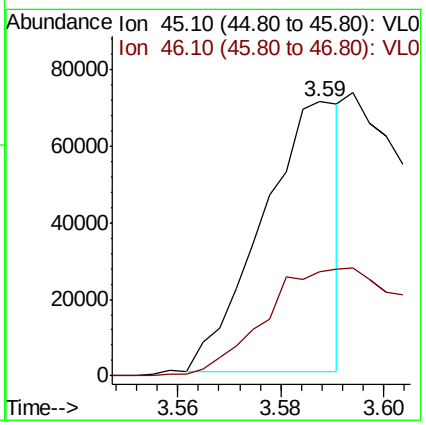


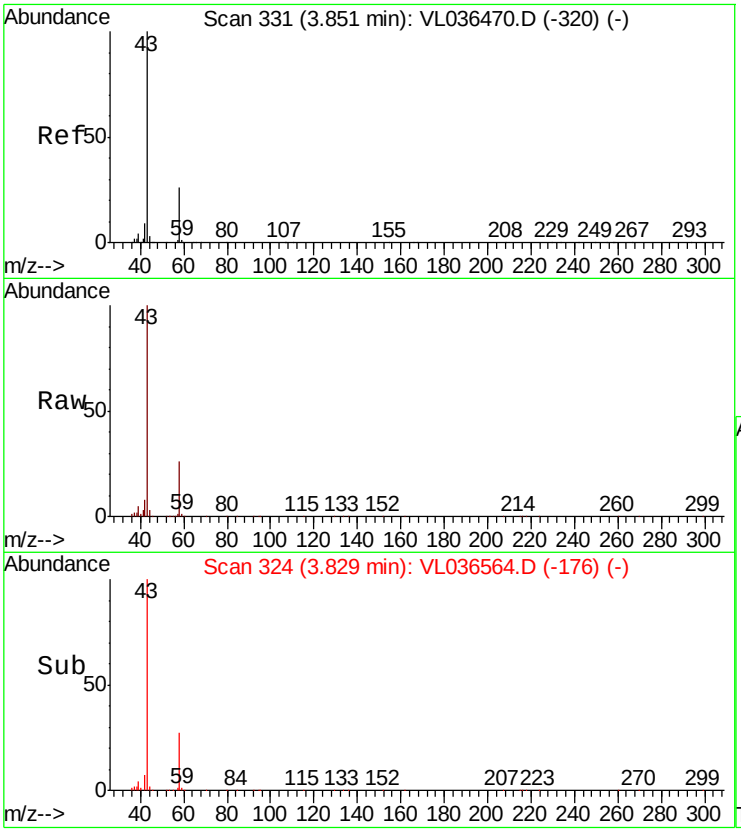


#13
Ethanol
Concen: 7.691 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 45 Resp: 73453

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#



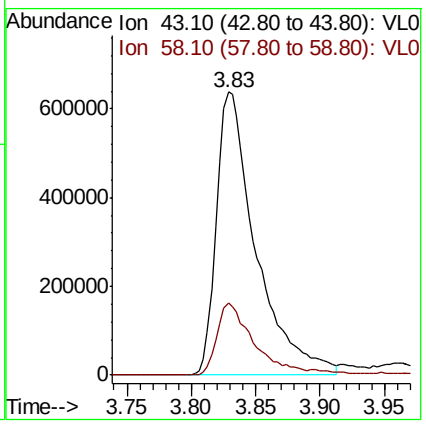


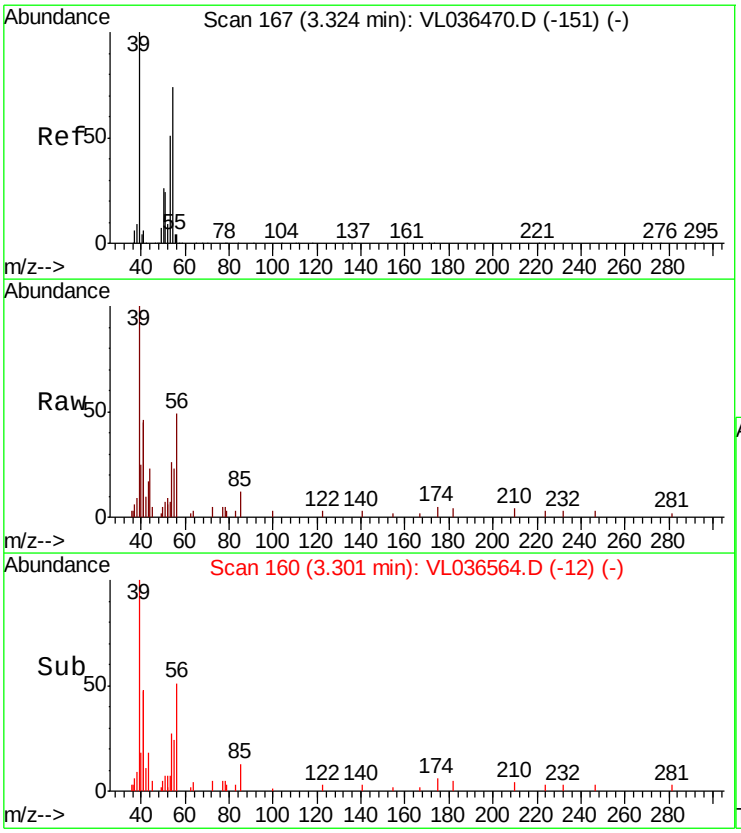
#15
Acetone
Concen: 10.200 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1351742

Ion	Ratio	Lower	Upper
43	100		
58	25.1	21.2	31.8

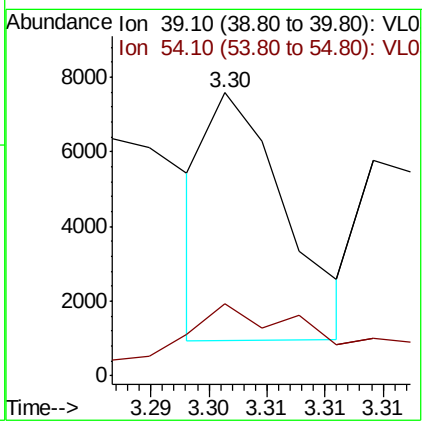


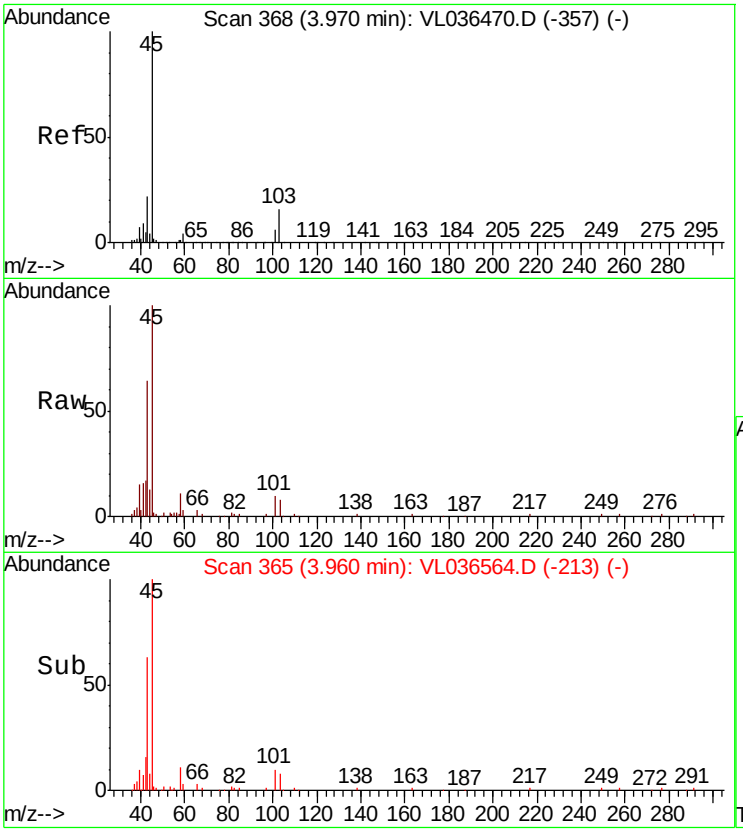


#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 39 Resp: 3084

Ion	Ratio	Lower	Upper
39	100		
54	73.8	58.8	88.2



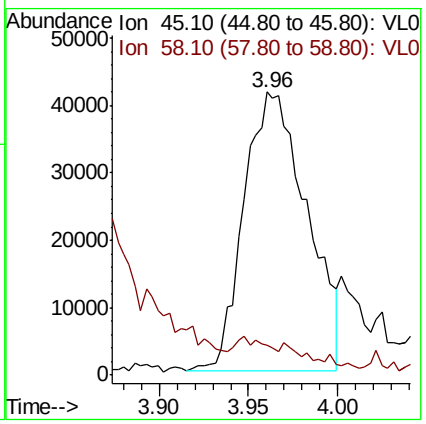


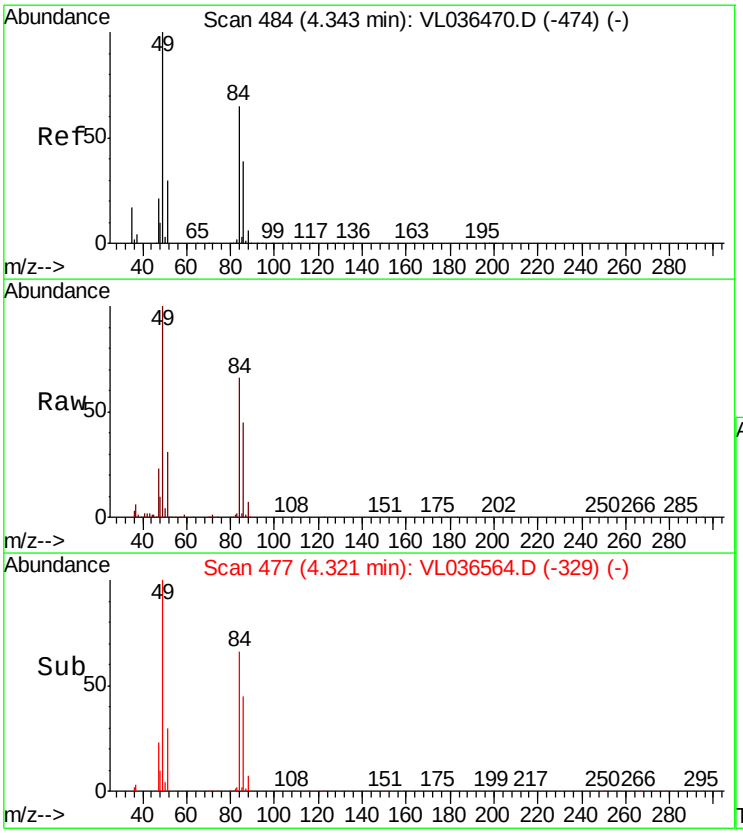
#19
Isopropyl Alcohol
Concen: 1.398 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 101908

Ion	Ratio	Lower	Upper
45	100		
58	17.5	2.9	4.3#

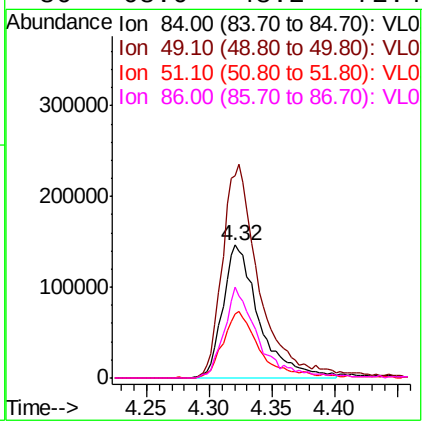


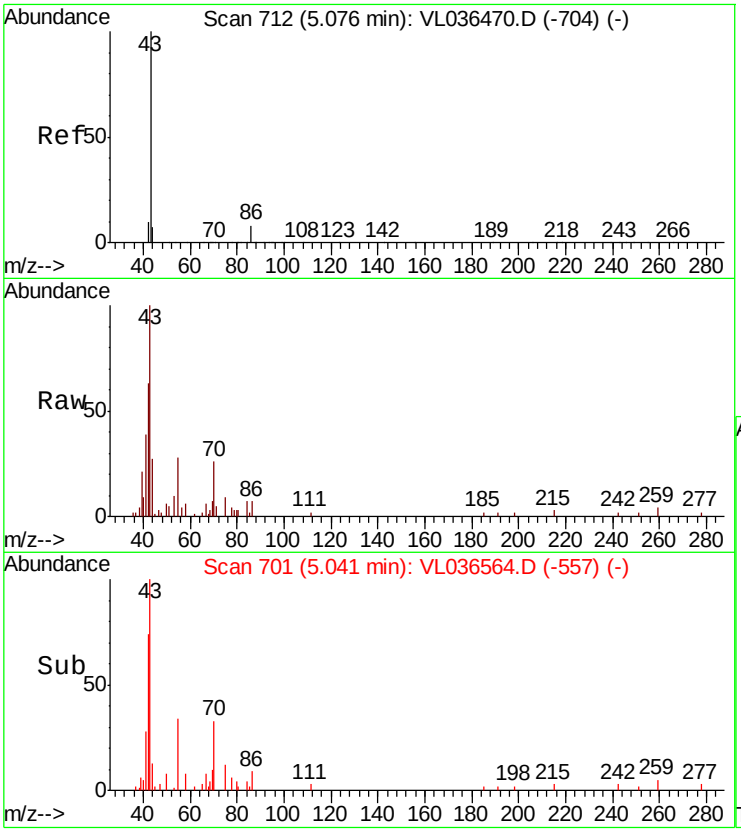


#20
Methylene Chloride
Concen: 4.743 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 84 Resp: 294309

Ion	Ratio	Lower	Upper
84	100		
49	152.4	122.9	184.3
51	47.8	36.9	55.3
86	68.0	48.2	72.4



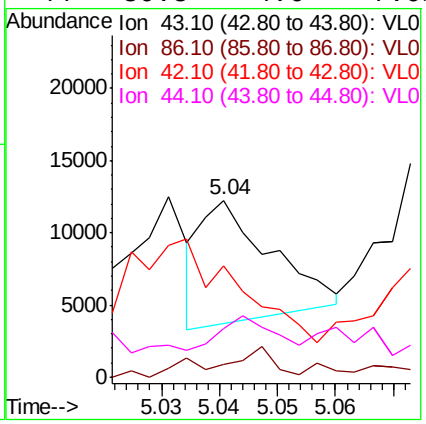


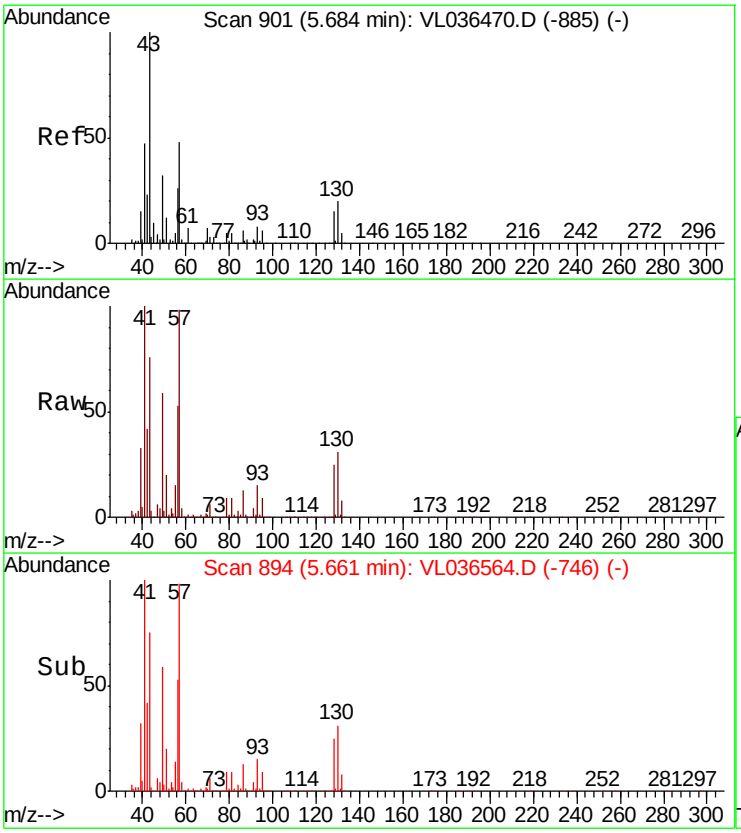
#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 7142

Ion	Ratio	Lower	Upper
43	100		
86	9.0	5.4	8.0#
42	80.9	8.5	12.7#
44	30.8	4.6	7.0#

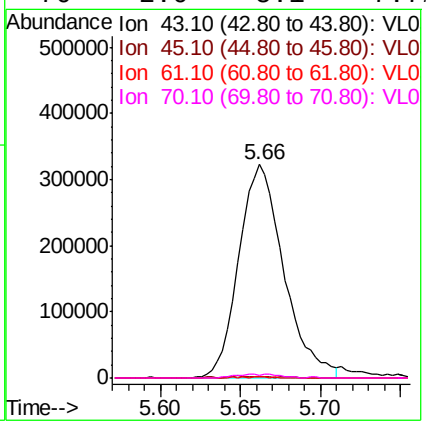


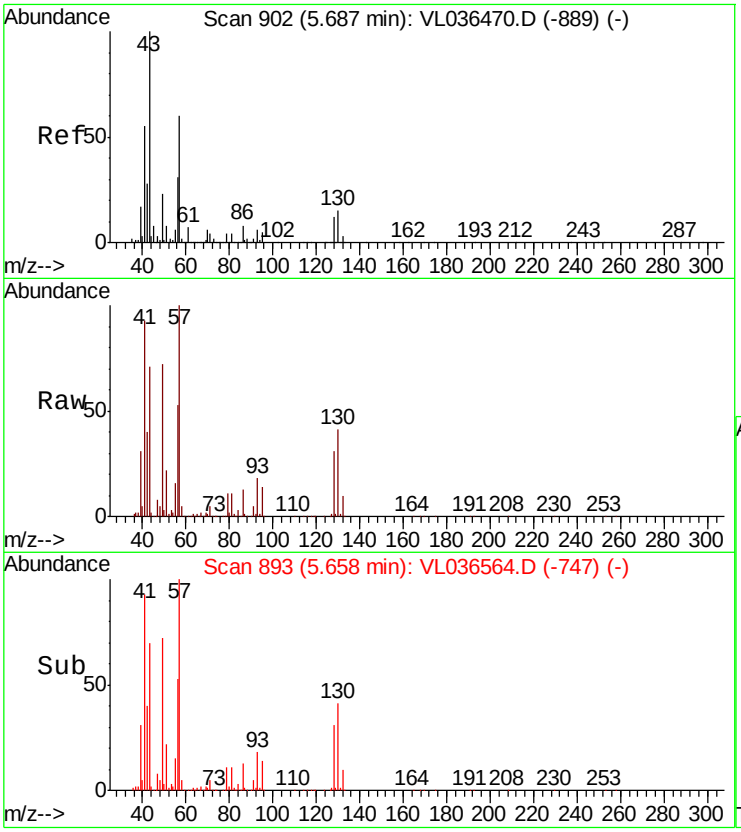


#25
Ethyl Acetate
Concen: 1.962 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 43 Resp: 618274

Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.9	11.9#
61	0.5	7.4	11.2#
70	2.0	5.1	7.7#



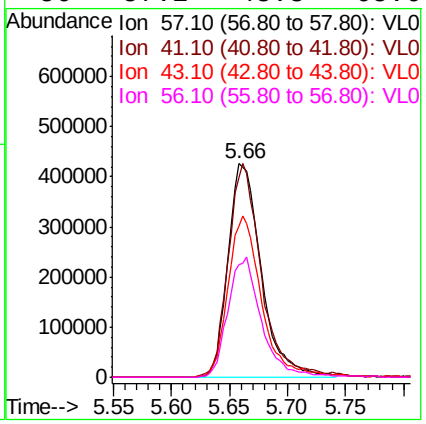


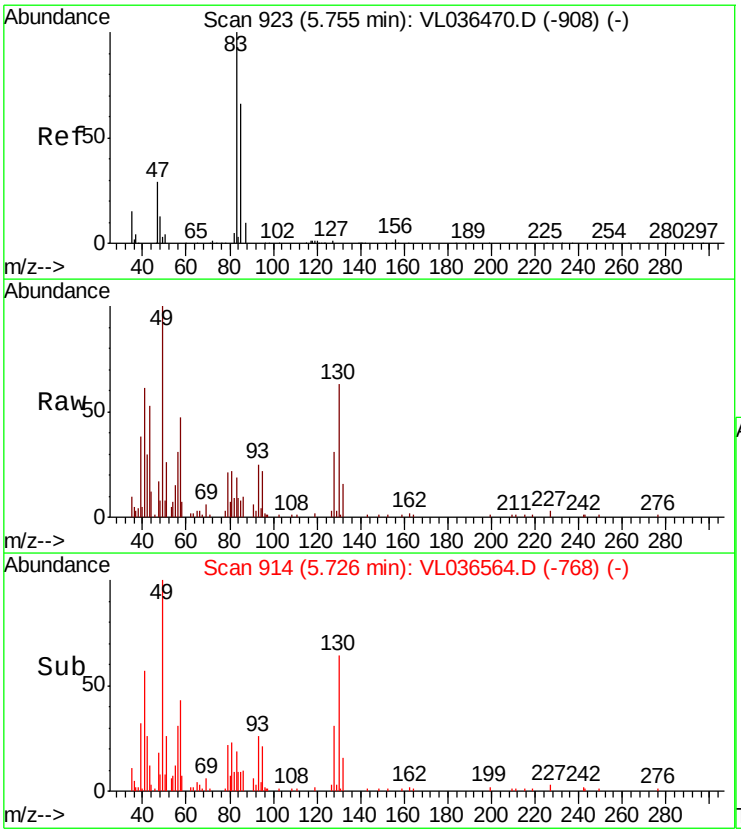
#26
Hexane
Concen: 5.759 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 841990

Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.2	115.8
43	76.7	173.8	260.6#
56	57.2	43.8	65.6

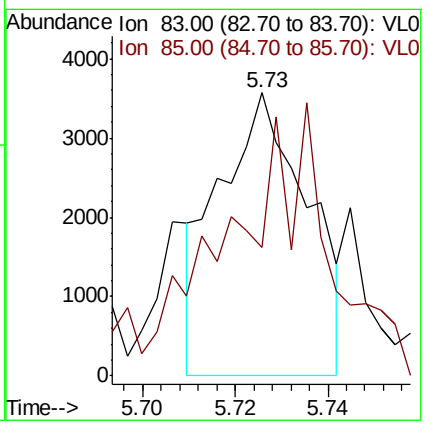


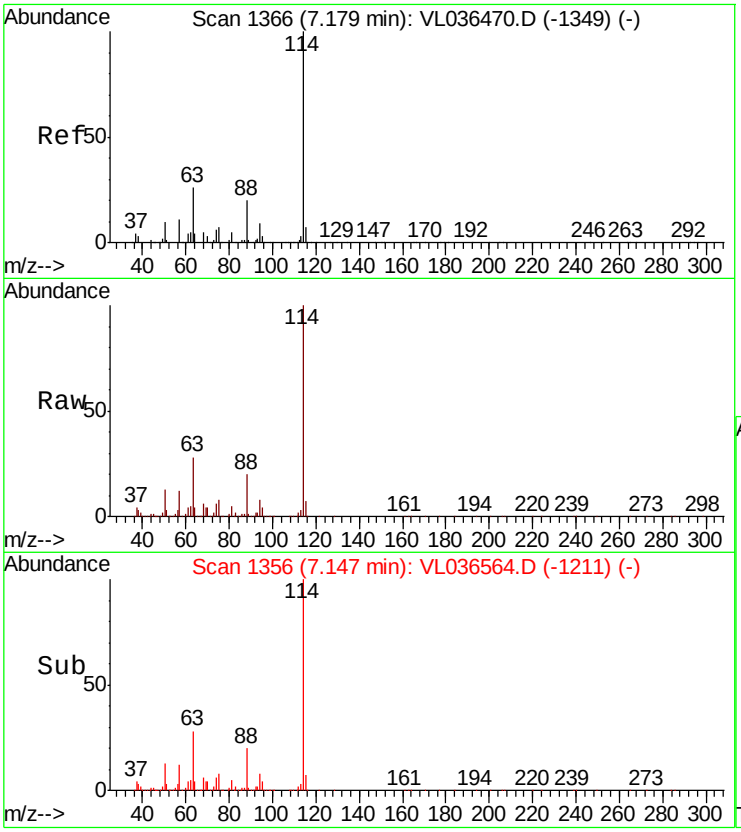


#29
Chloroform
Concen: 0.020 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 83 Resp: 4759

Ion	Ratio	Lower	Upper
83	100		
85	28.1	52.6	78.8#



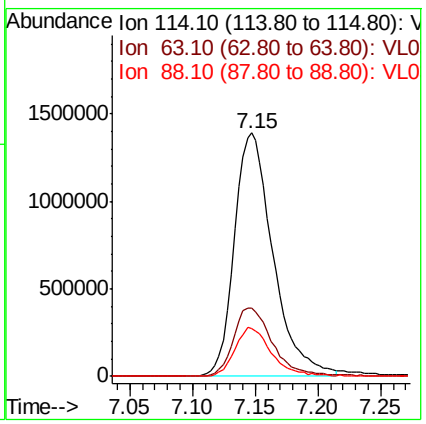


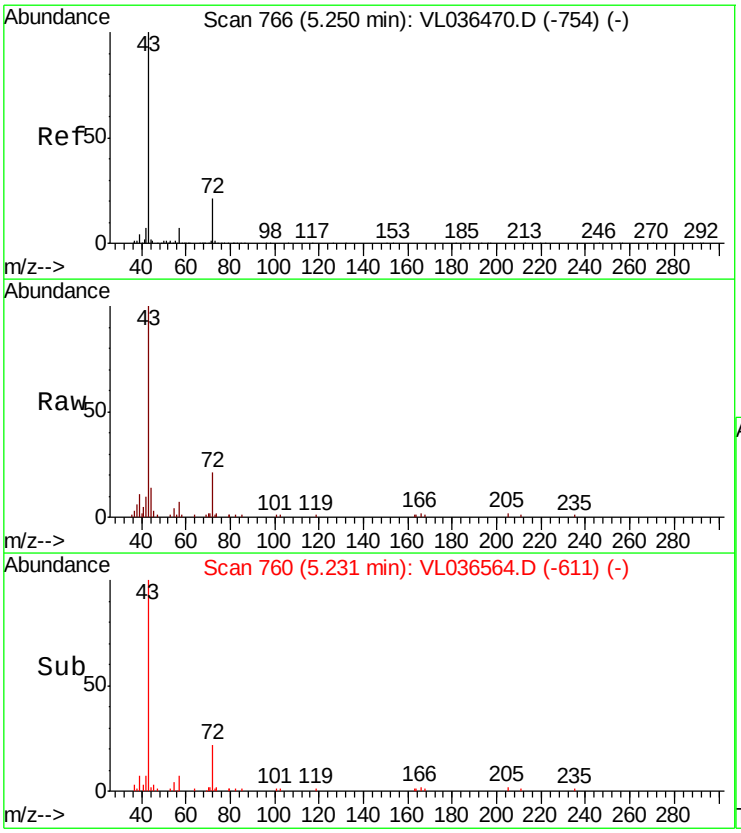
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2983769

Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.4	33.6
88	19.4	15.4	23.0

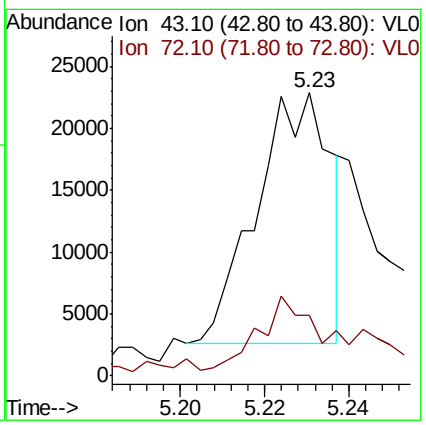


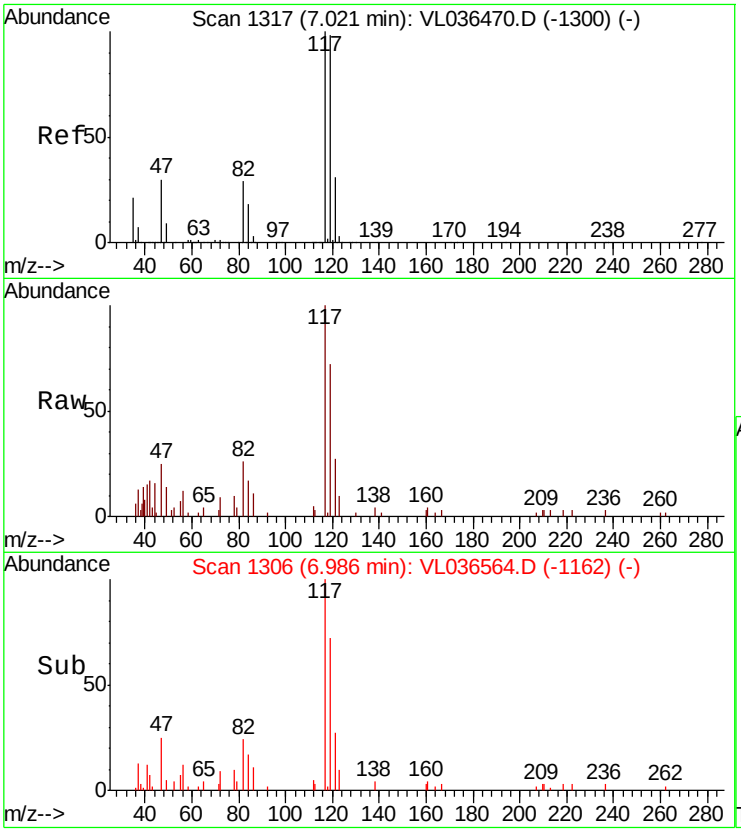


#34
2-Butanone
Concen: 0.168 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 43 Resp: 24513

Ion	Ratio	Lower	Upper
43	100		
72	48.1	17.0	25.6#



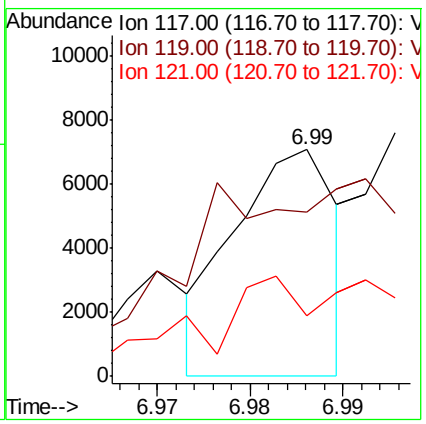


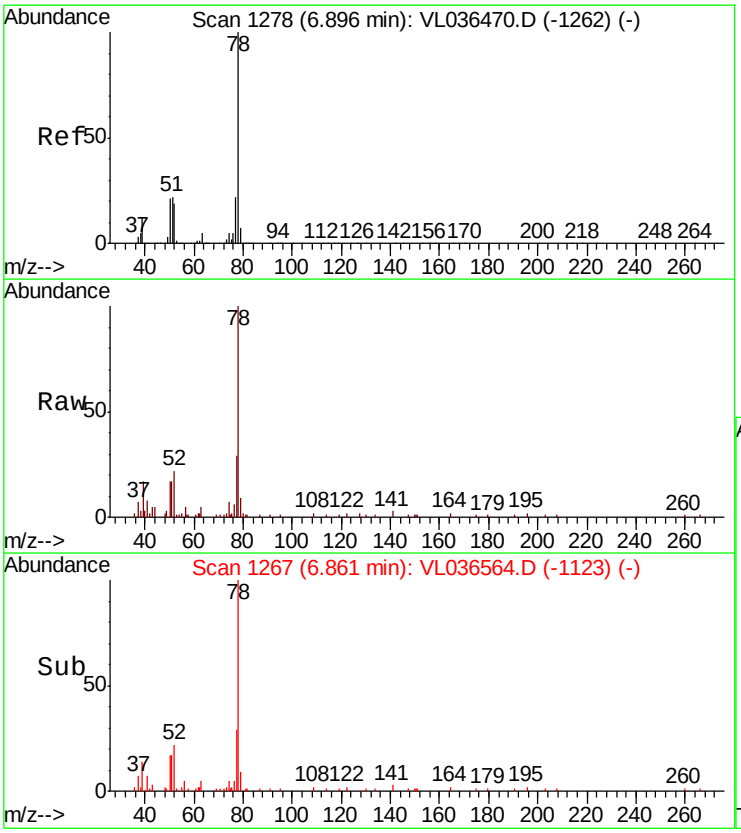
#35
Carbon Tetrachloride
Concen: 0.024 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 5388

Ion	Ratio	Lower	Upper
117	100		
119	51.3	78.2	117.2#
121	0.4	24.5	36.7#

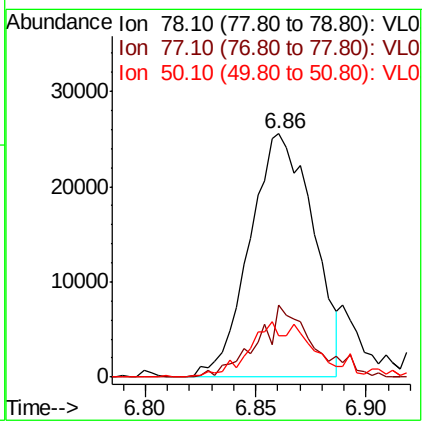


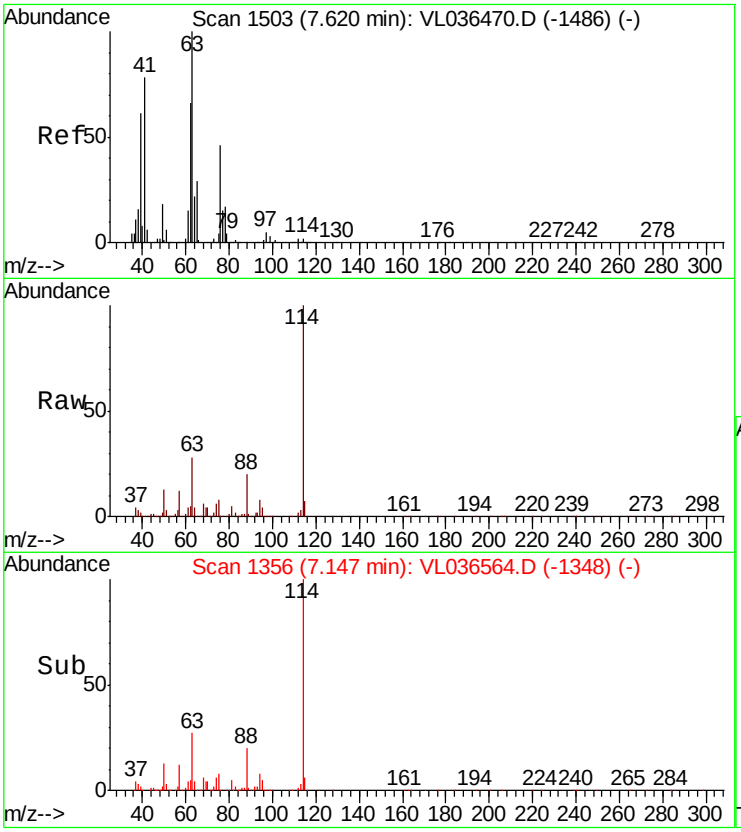


#36
Benzene
Concen: 0.185 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 78 Resp: 51022

Ion	Ratio	Lower	Upper
78	100		
77	29.5	18.0	27.0#
50	14.5	16.5	24.7#



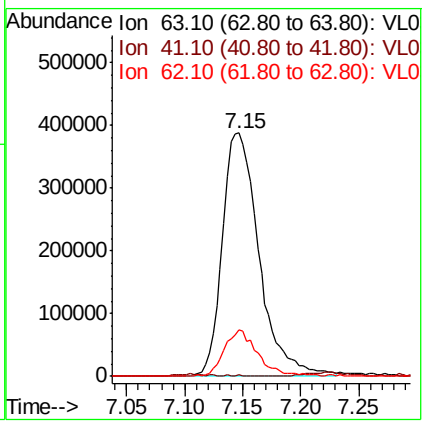


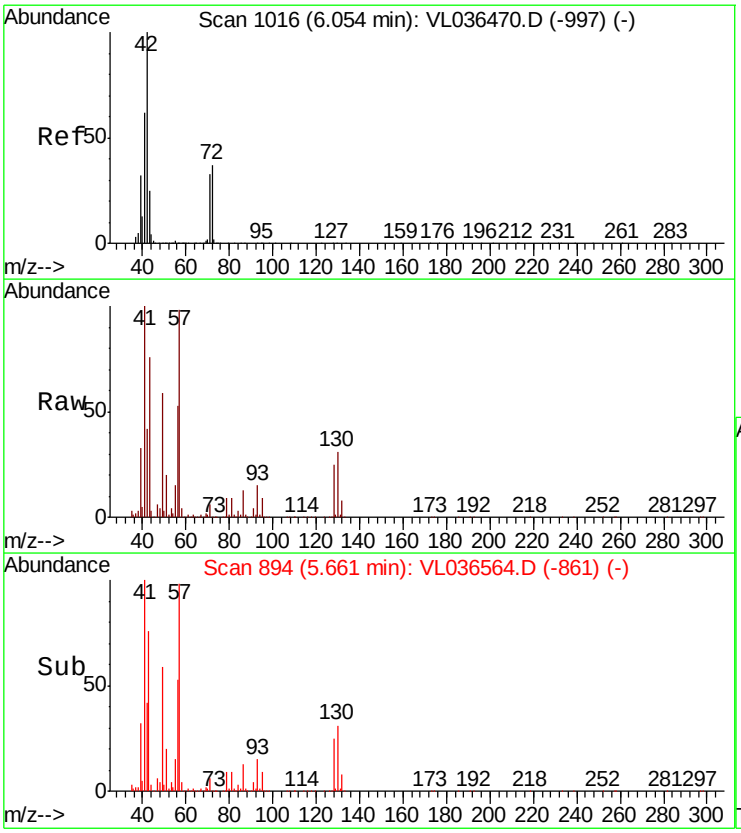
#39
1,2-Dichloropropane
Concen: 7.591 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.47 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 847386

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	18.9	52.8	79.2#

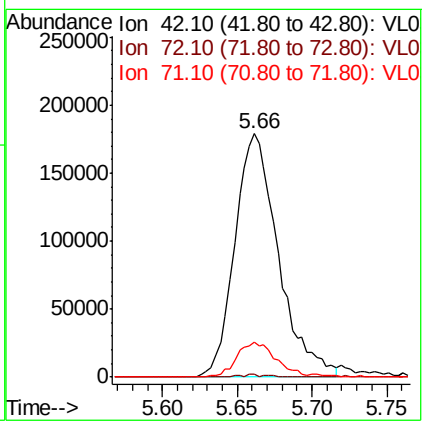


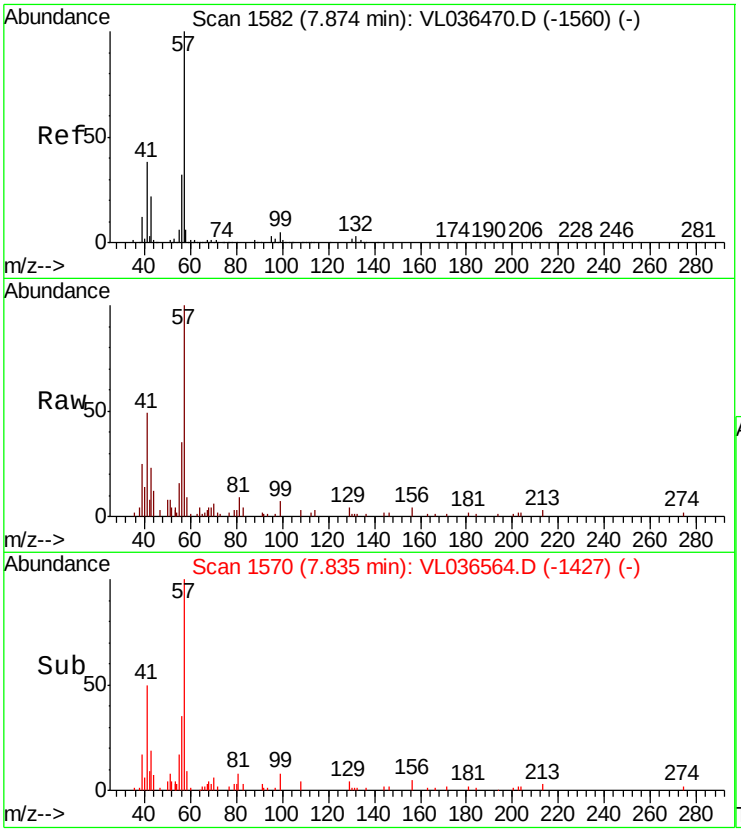


#41
Tetrahydrofuran
Concen: 5.399 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.39 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 42 Resp: 362567

Ion	Ratio	Lower	Upper
42	100		
72	1.0	27.6	41.4#
71	13.7	27.0	40.4#



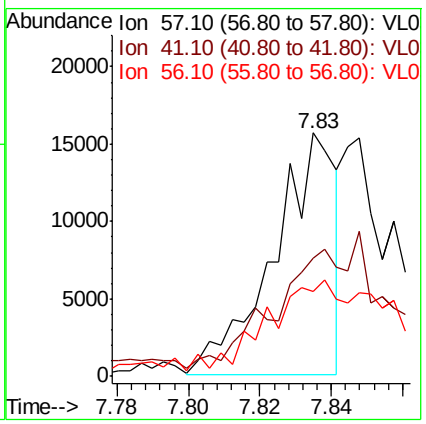


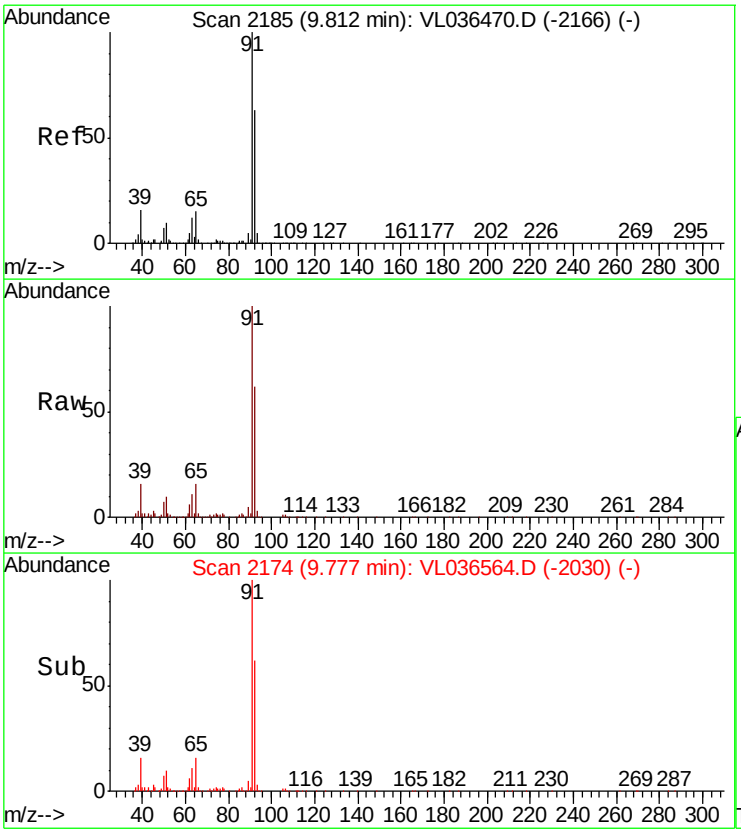
#44
2,2,4-Trimethylpentane
Concen: 0.039 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 18900

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.8	43.2#
56	92.1	26.1	39.1#

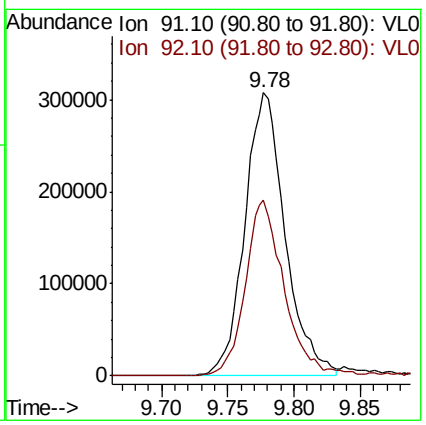


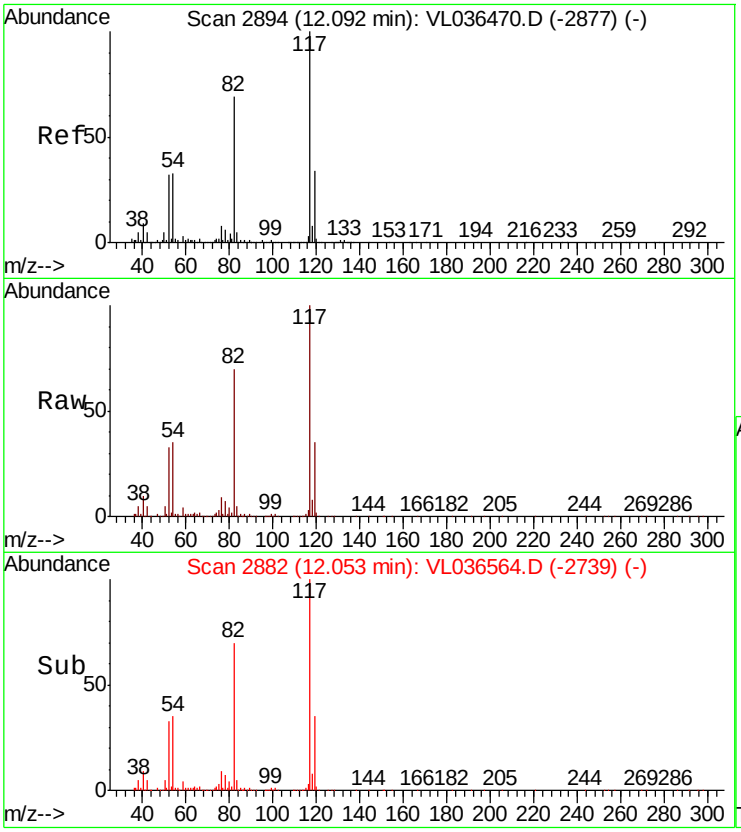


#53
Toluene
Concen: 2.220 ppbv
RT: 9.78 min Scan# 2174
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 91 Resp: 650511

Ion	Ratio	Lower	Upper
91	100		
92	61.3	48.8	73.2



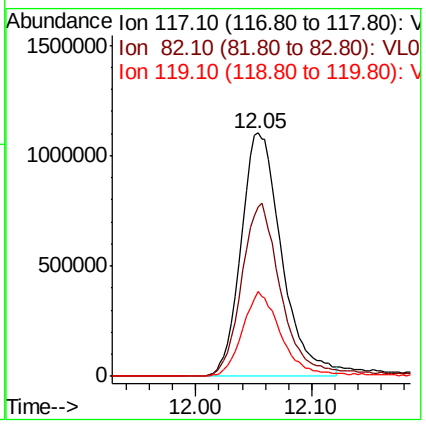


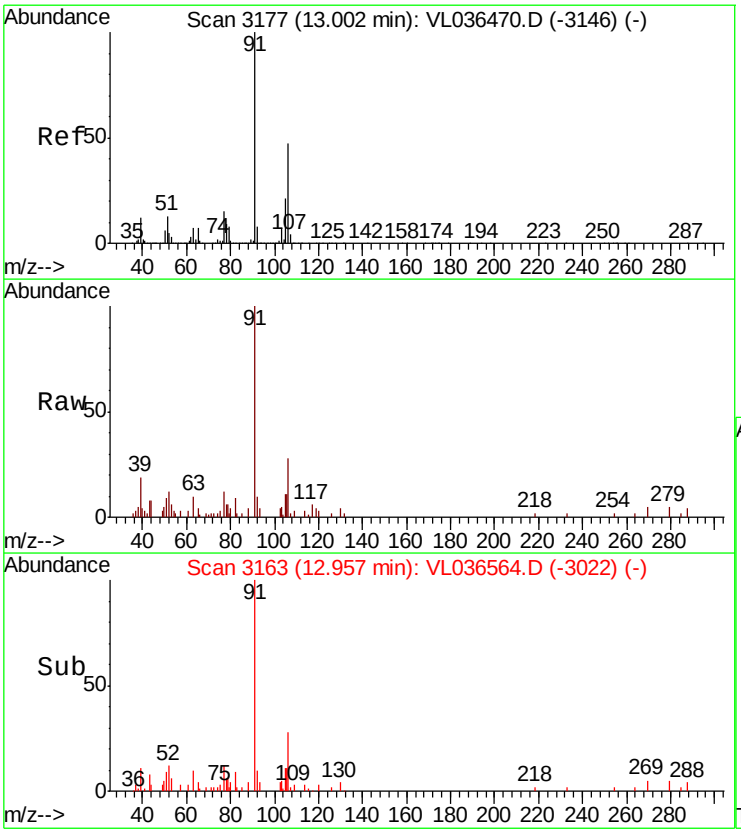
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2681238

Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.4	86.0
119	33.8	47.4	71.0#

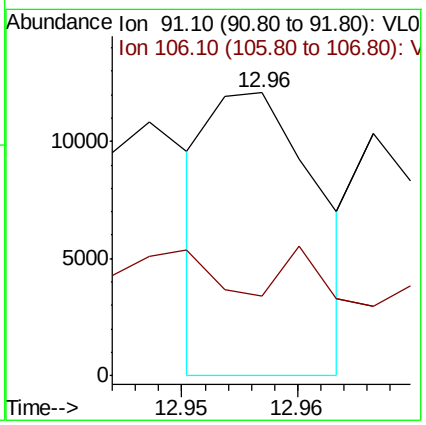


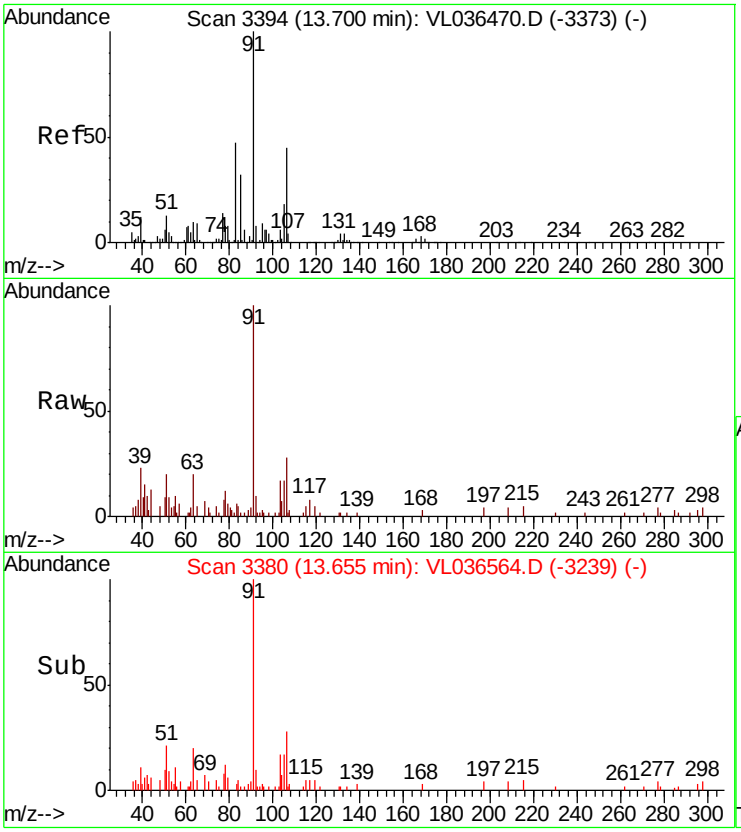


#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion: 91 Resp: 7758

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#



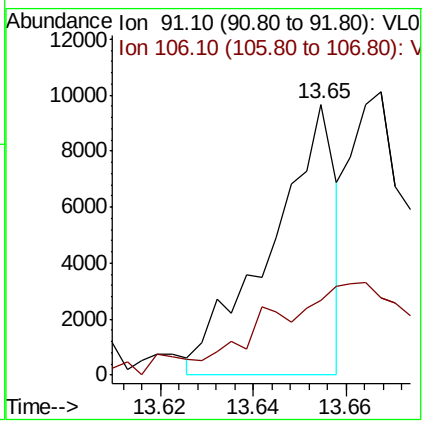


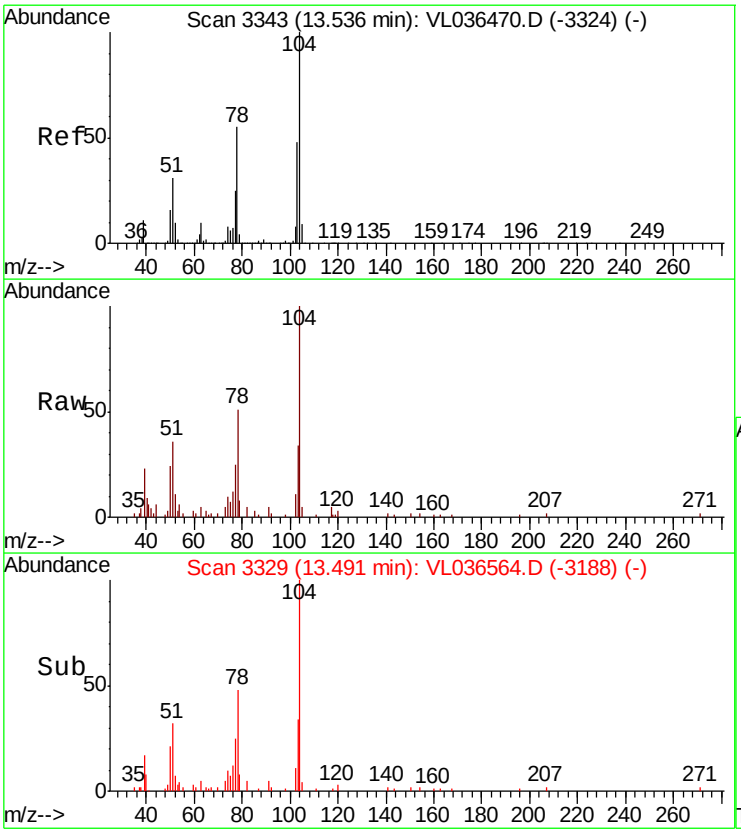
#60
o-Xylene
Concen: 0.029 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.05 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 9403

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.3	66.9#

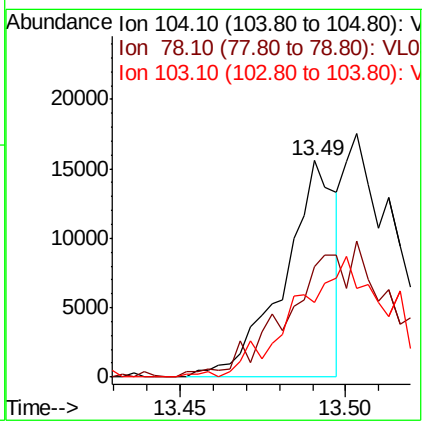


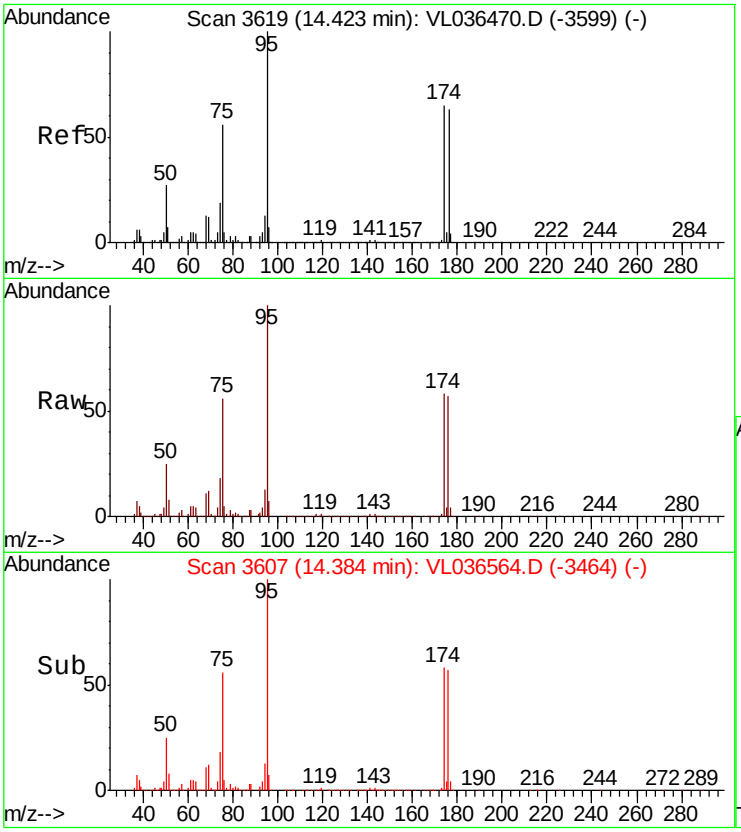


#61
Styrene
Concen: 0.102 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.05 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Tgt Ion:104 Resp: 16867

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.8	65.8#
103	0.0	38.3	57.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.709 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL036564.D
Acq: 30 Mar 2021 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2074869

Ion	Ratio	Lower	Upper
95	100		
174	68.5	51.0	76.6
175	4.8	3.9	5.9