Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
Data File : VL037831.D
Acq On : 12 Oct 2021 15:56
Operator : SY/AP
Sample : M4079-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P47

Quant Time: Oct 14 01:04:33 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1265309	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3732311	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3255836	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2285325	10.04	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.99	51	39367	0.162	ppbv	98
4) Chloromethane	3.14	50	3714	0.042	ppbv #	81
9) Propene	3.01	41	50559	0.565	ppbv	91
10) Heptane	8.11	43	9544	0.047	ppbv #	25
11) Trichlorofluoromethane	3.95	101	33169	0.184	ppbv	93
13) Ethanol	3.61	45	97224	13.290	ppbv	99
15) Acetone	3.84	43	1152218	10.144	ppbv #	88
16) 1,3-Butadiene	3.34	39	3159	0.038	ppbv #	11
17) tert-Butyl alcohol	4.30	59	35790	0.306	ppbv #	71
19) Isopropyl Alcohol	3.97	45	10994	0.156	ppbv #	96
20) Methylene Chloride	4.34	84	216893	3.779	ppbv	93
23) Vinyl Acetate	5.06	43	64005	0.376	ppbv #	75
25) Ethyl Acetate	5.68	43	116650	0.366	ppbv #	81
26) Hexane	5.68	57	163977	1.045	ppbv #	45
27) Carbon Disulfide	4.55	76	17347	0.125	ppbv #	64
29) Chloroform	5.74	83	276848	1.234	ppbv	97
34) 2-Butanone	5.25	43	240367	1.595	ppbv	94
36) Benzene	6.89	78	20500	0.064	ppbv #	87
39) 1,2-Dichloropropane	7.21	63	15431	0.129	ppbv #	22
42) Bromodichloromethane	7.78	83	10458	0.047	ppbv #	71
51) 2-Hexanone	10.12	43	1938	0.022	ppbv #	28
52) Tetrachloroethene	11.21	164	2357602	19.009	ppbv	98
53) Toluene	9.80	91	60558	0.171	ppbv	99
58) Ethyl Benzene	12.71	91	253519	0.580	ppbv	92
59) m/p-Xylene	12.96	91	953211	2.540	ppbv	94
60) o-Xylene	13.68	91	315743	0.878	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	55977	0.144	ppbv #	76
79) Naphthalene	22.18	128	27775	0.116	ppbv #	94
80) Naphthalene,2-methyl-	24.97	142	7122	0.111	ppbv	88

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

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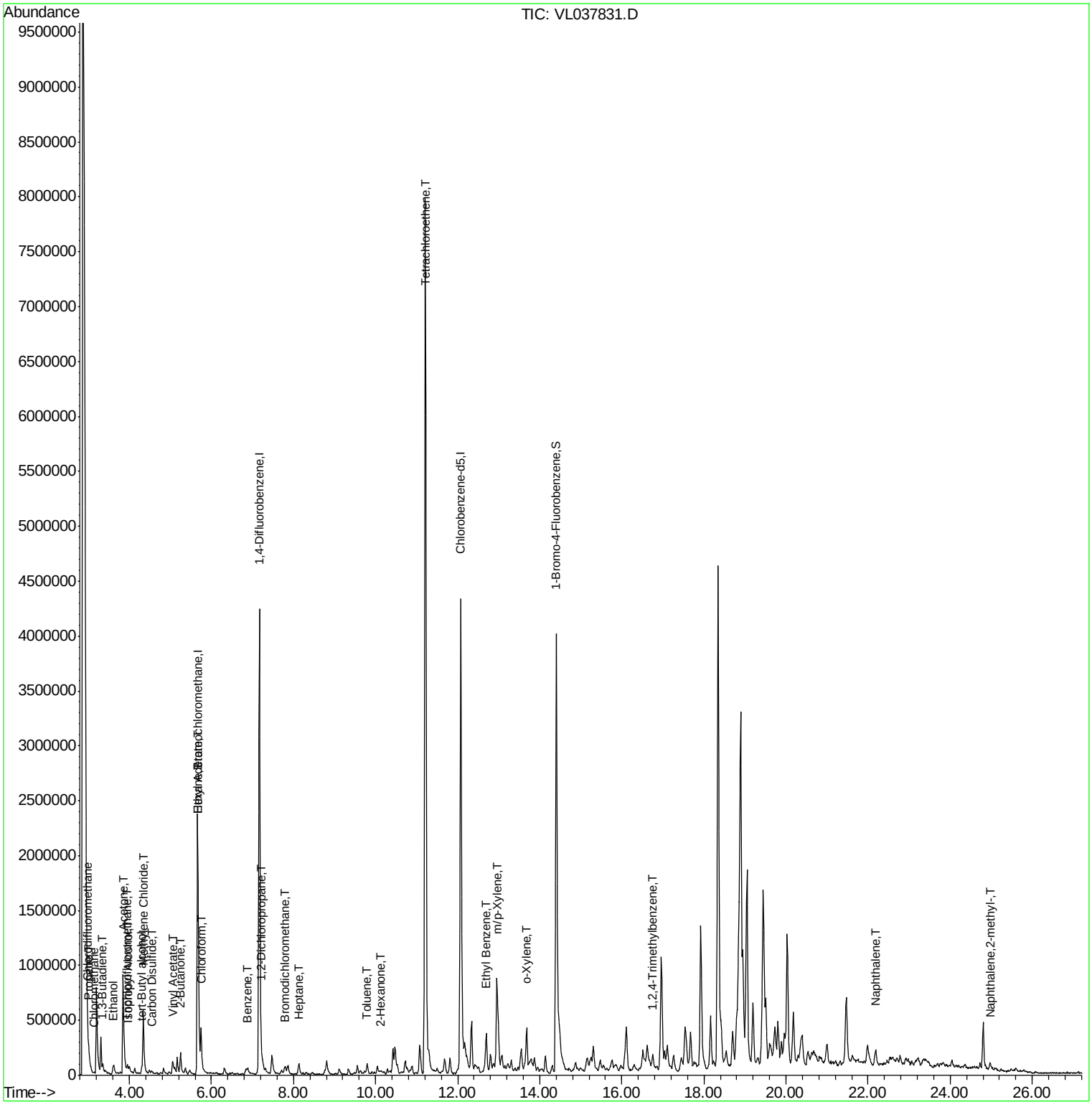
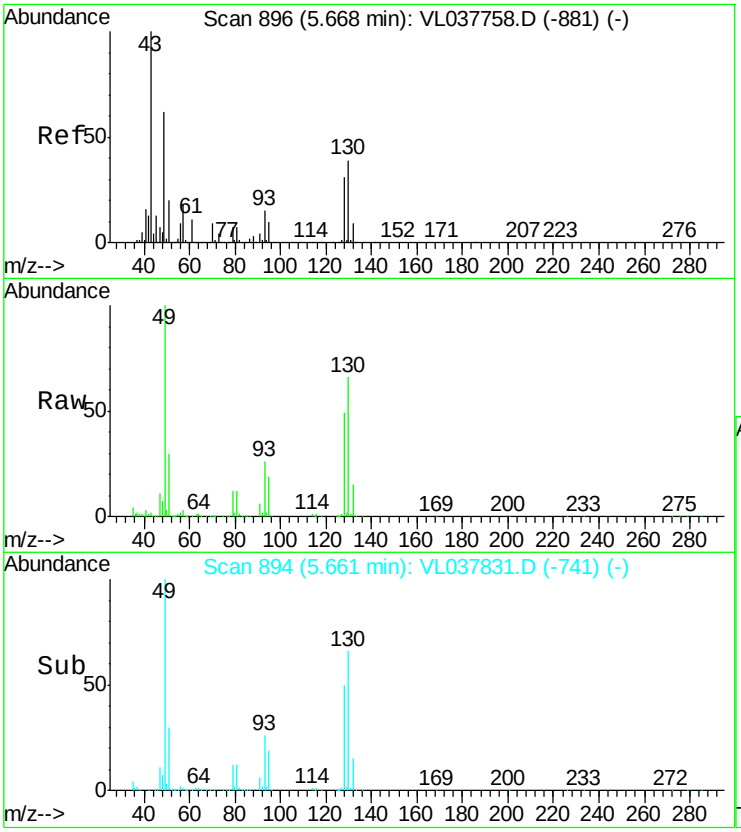


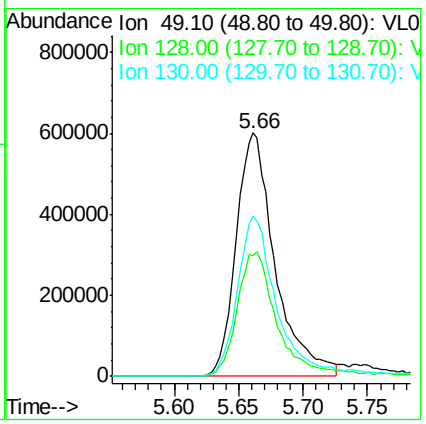


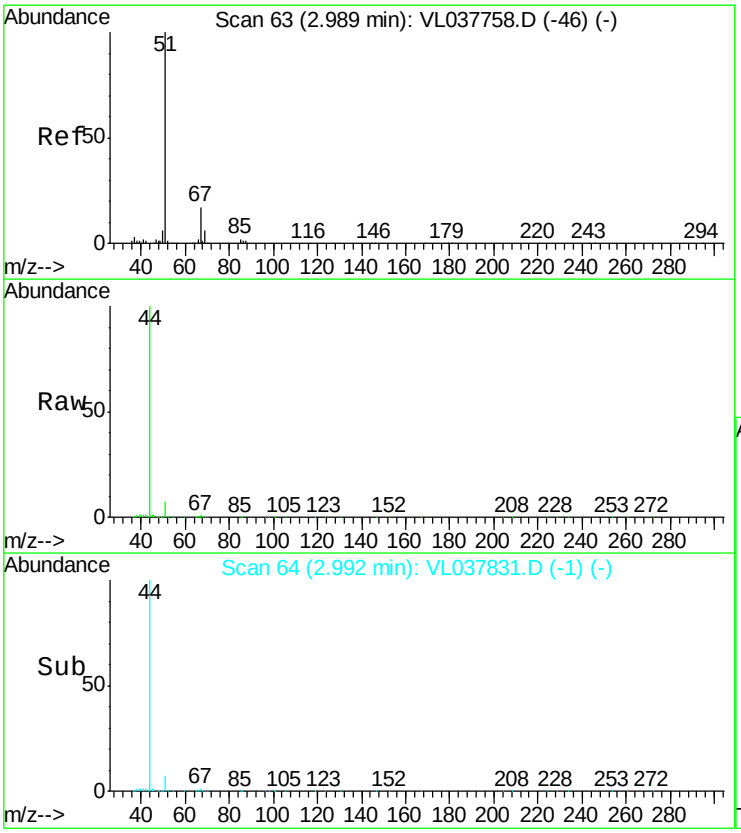
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 49 Resp: 1265309

Ion	Ratio	Lower	Upper
49	100		
128	54.5	27.1	81.3
130	68.6	33.2	99.6

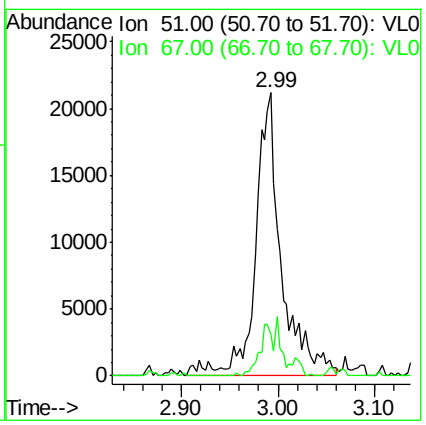


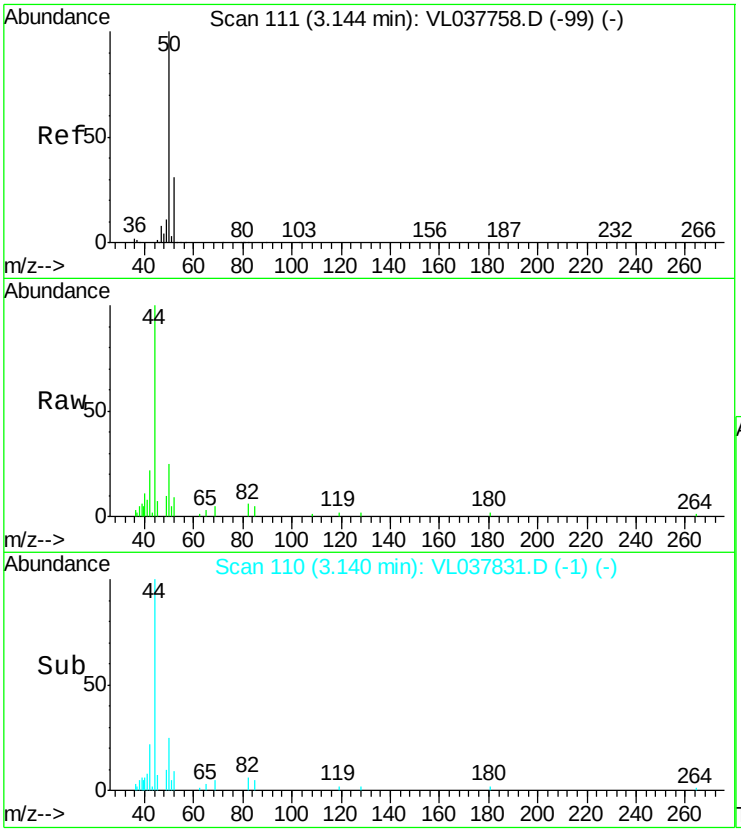


#3
Chlorodifluoromethane
Concen: 0.162 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 51 Resp: 39367

Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.5	20.3



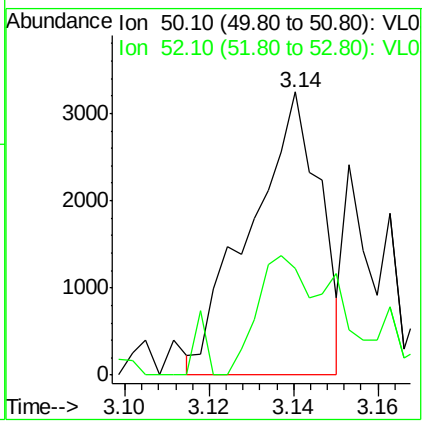


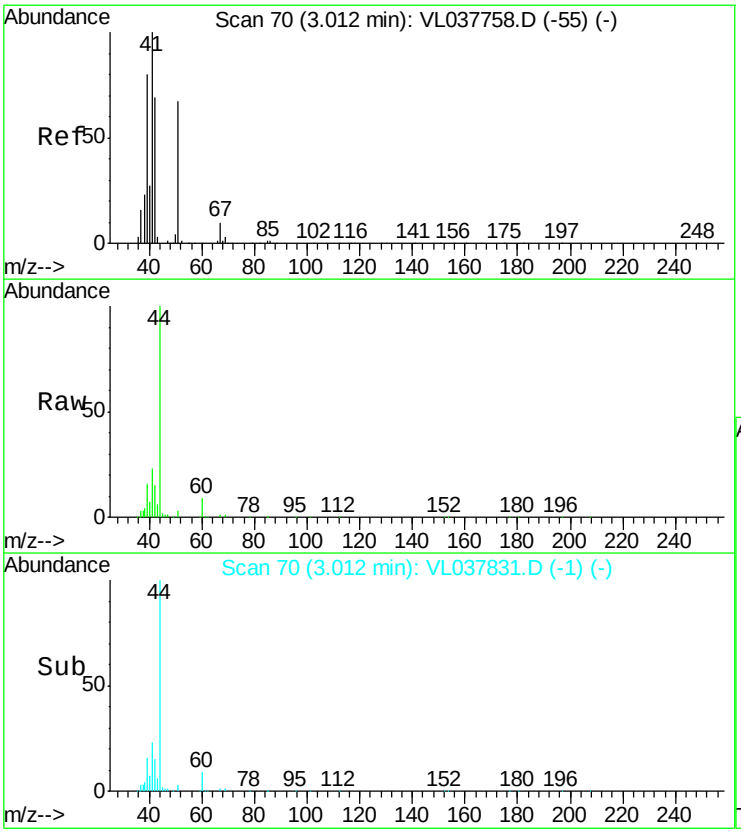
#4
Chloromethane
Concen: 0.042 ppbv
RT: 3.14
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 50 Resp: 3714

Ion	Ratio	Lower	Upper
50	100		
52	40.7	24.4	36.6#

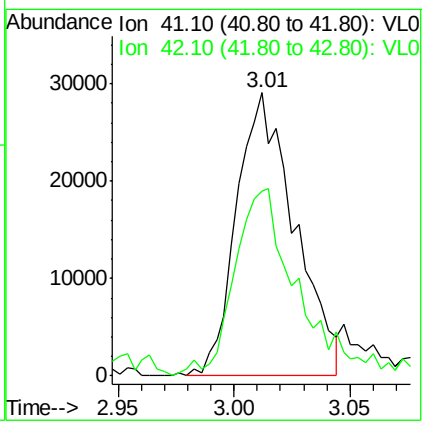


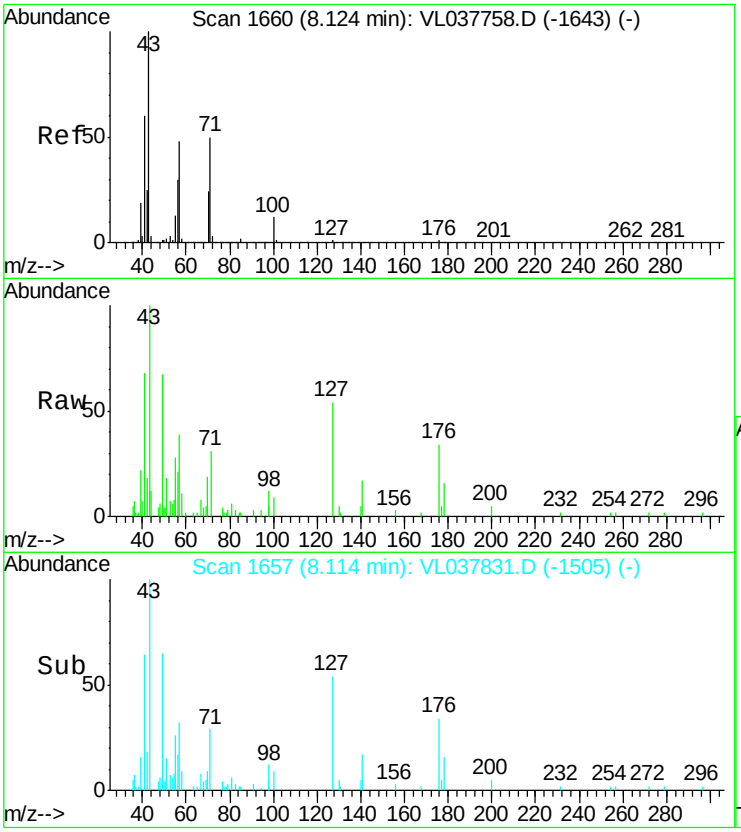


#9
Propene
Concen: 0.565 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 41 Resp: 50559

Ion	Ratio	Lower	Upper
41	100		
42	74.8	54.2	81.2



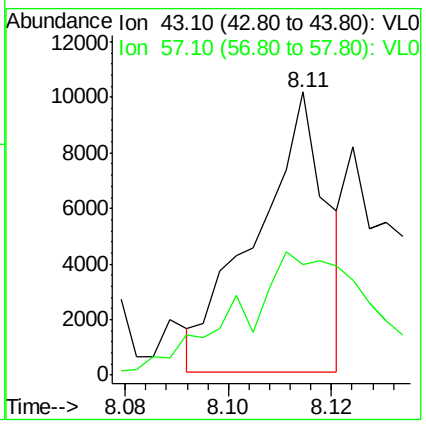


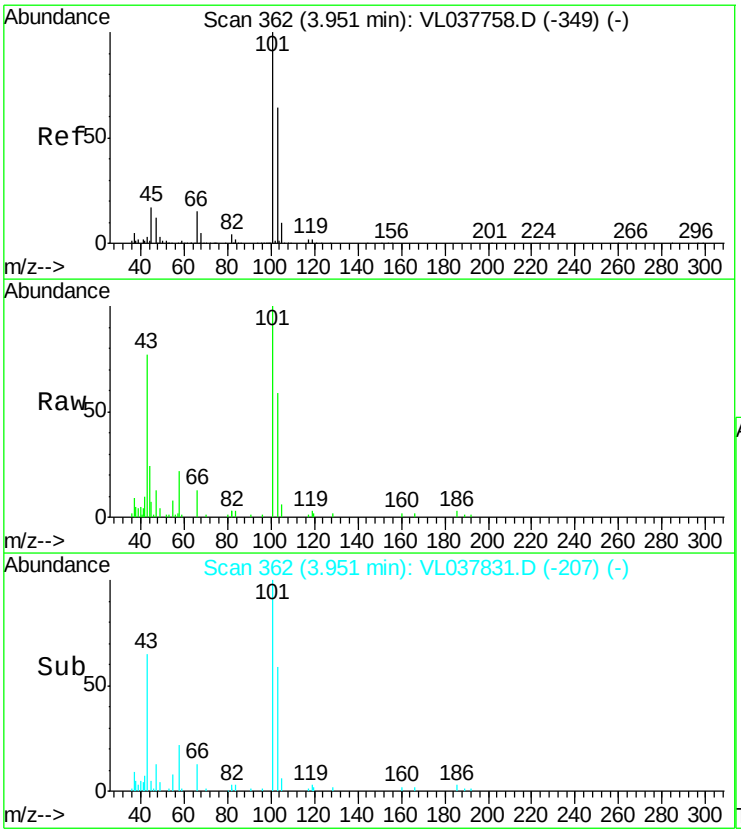
#10
Heptane
Concen: 0.047 ppbv
RT: 8.11
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 43 Resp: 9544

Ion	Ratio	Lower	Upper
43	100		
57	102.0	40.0	60.0#

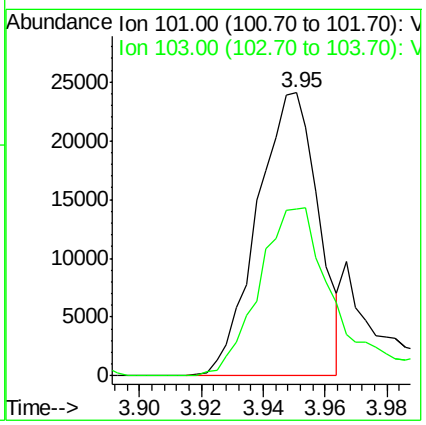


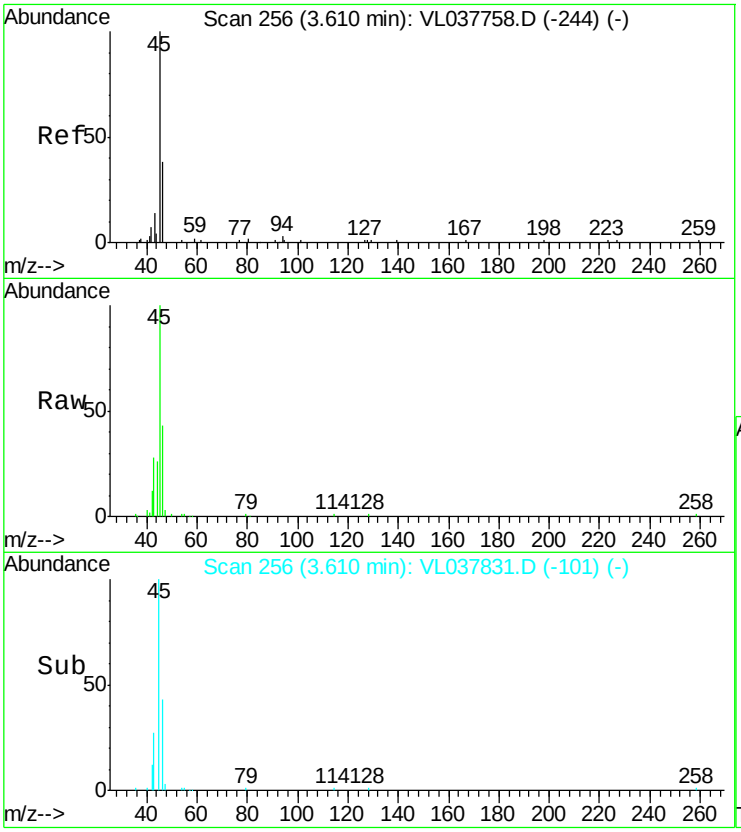


#11
Trichlorofluoromethane
Concen: 0.184 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion:101 Resp: 33169

Ion	Ratio	Lower	Upper
101	100		
103	59.1	51.5	77.3



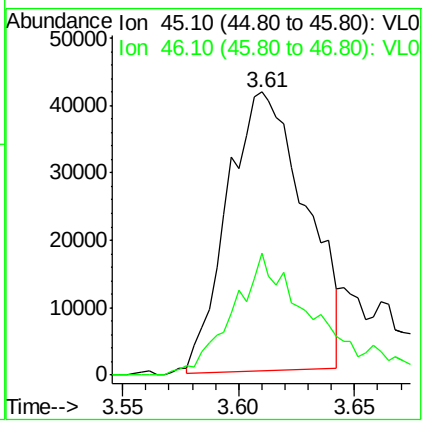


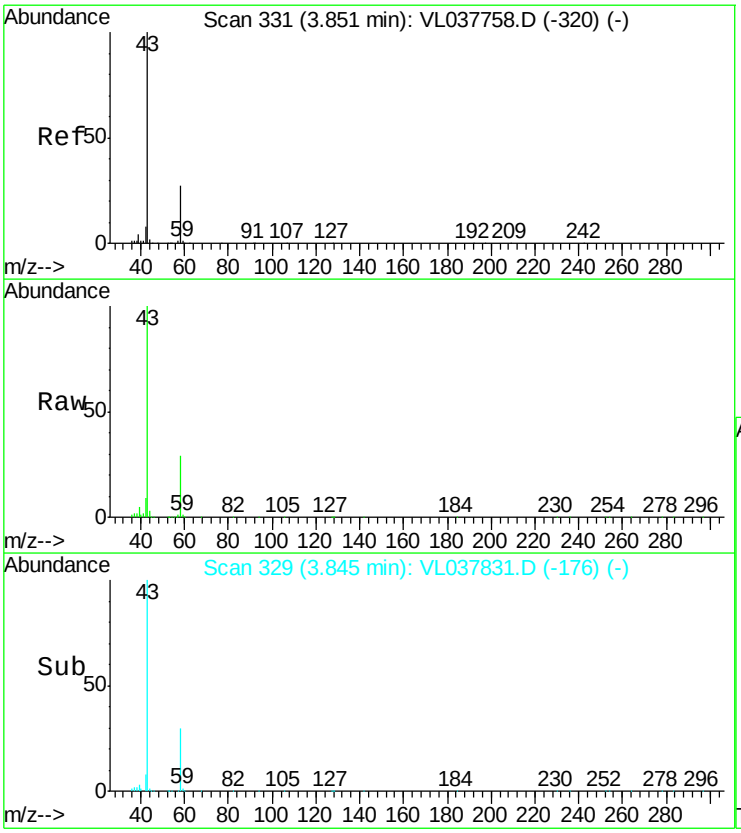
#13
Ethanol
Concen: 13.290 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 45 Resp: 97224

Ion	Ratio	Lower	Upper
45	100		
46	49.8	20.2	81.0

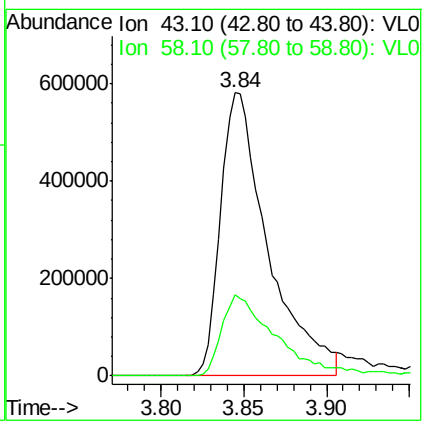


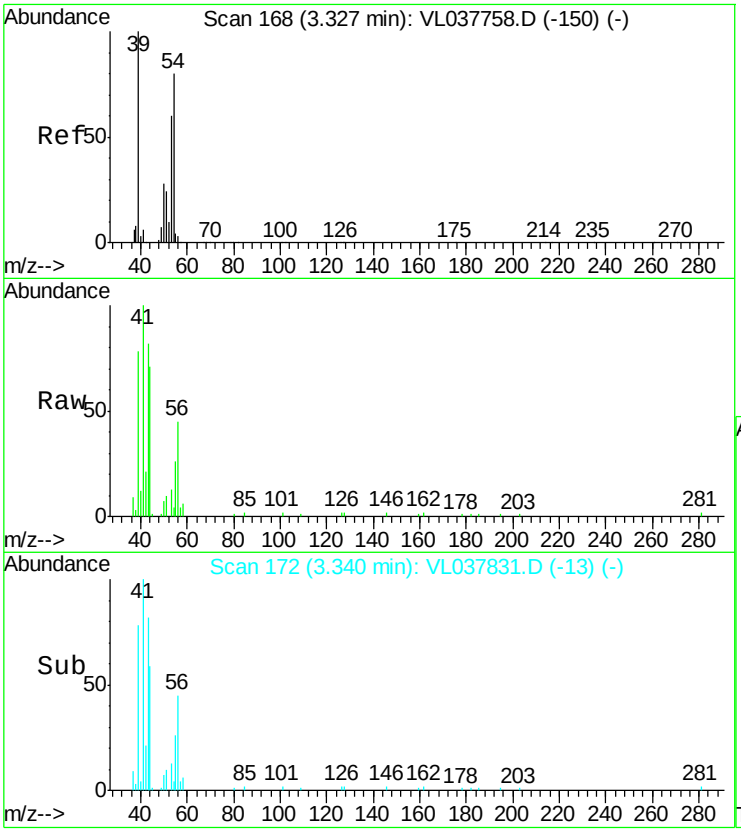


#15
Acetone
Concen: 10.144 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 43 Resp: 1152218

Ion	Ratio	Lower	Upper
43	100		
58	34.9	23.0	34.6#



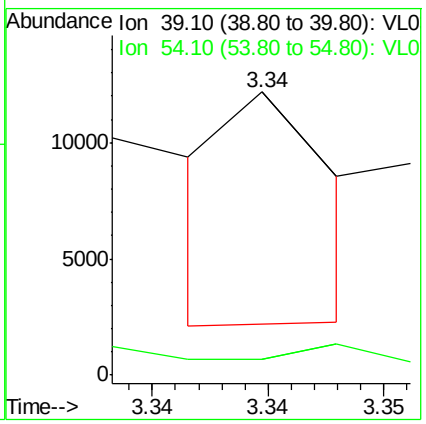


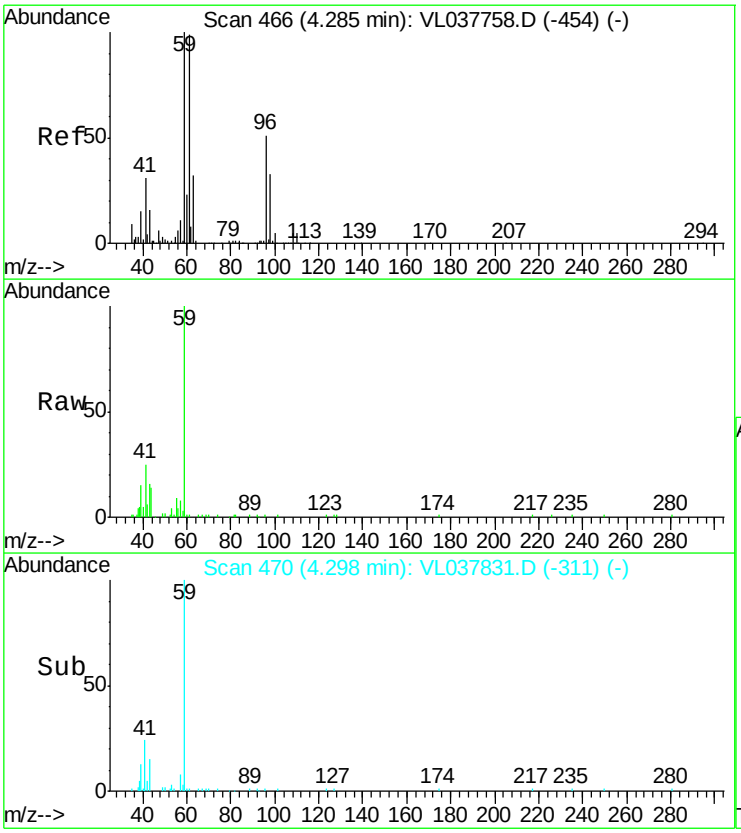
#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.34
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 39 Resp: 3159

Ion	Ratio	Lower	Upper
39	100		
54	0.0	61.7	92.5#

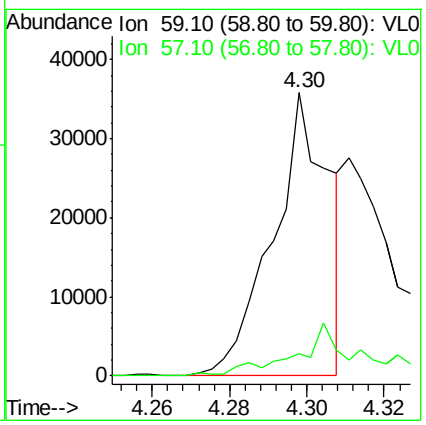


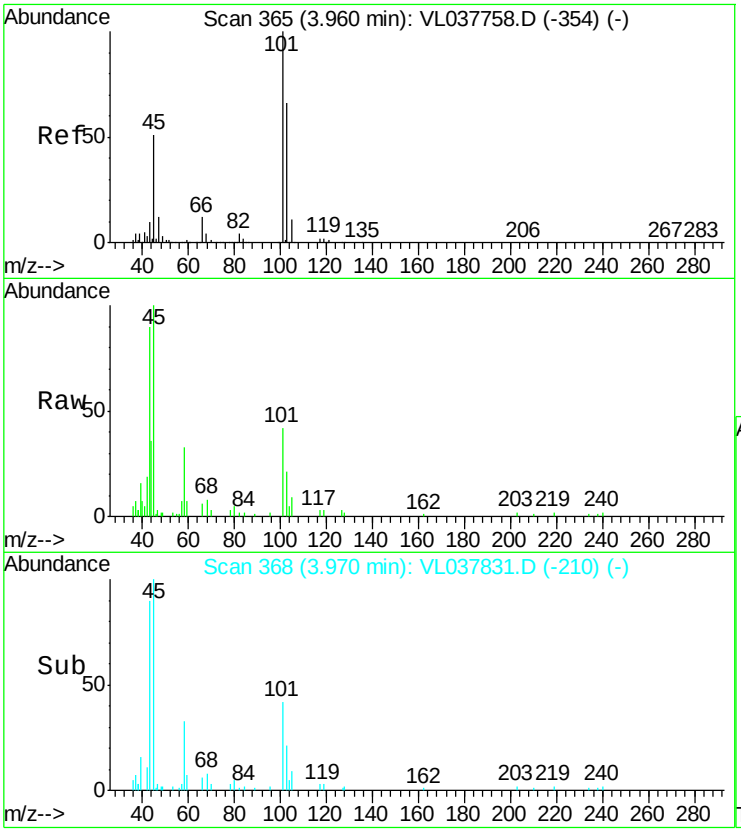


#17
tert-Butyl alcohol
Concen: 0.306 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 59 Resp: 35790

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#



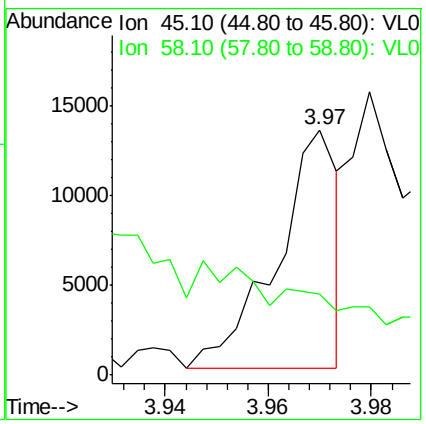


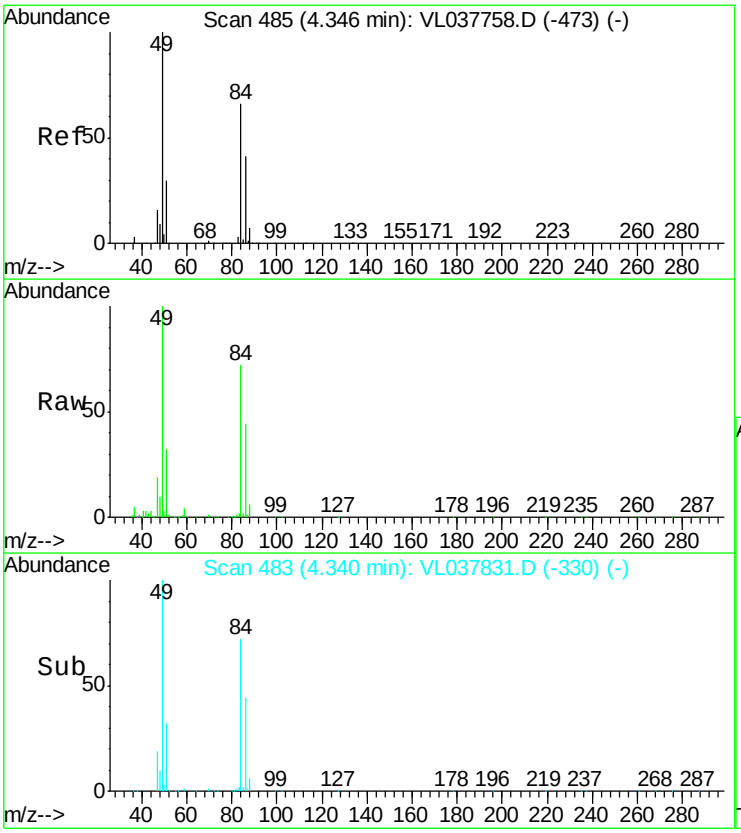
#19
Isopropyl Alcohol
Concen: 0.156 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 45 Resp: 10994

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#

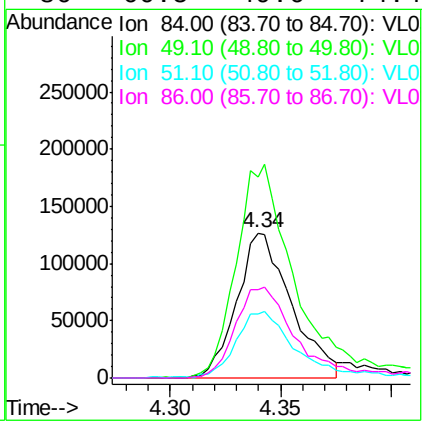


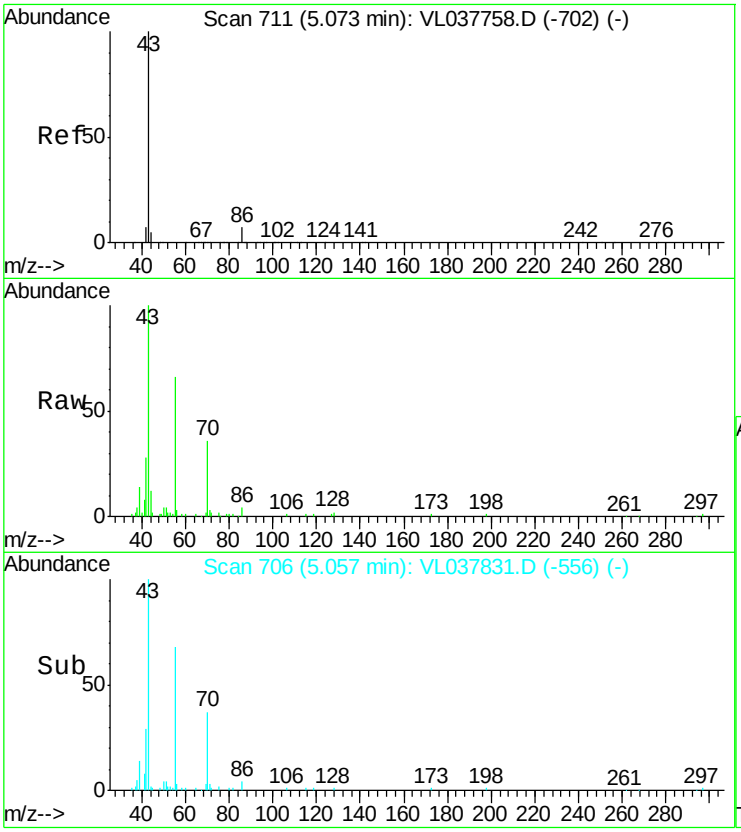


#20
Methylene Chloride
Concen: 3.779 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 84 Resp: 216893

Ion	Ratio	Lower	Upper
84	100		
49	138.5	120.7	181.1
51	43.2	36.2	54.4
86	60.5	49.6	74.4



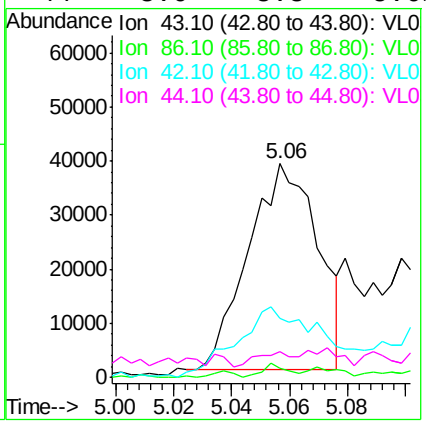


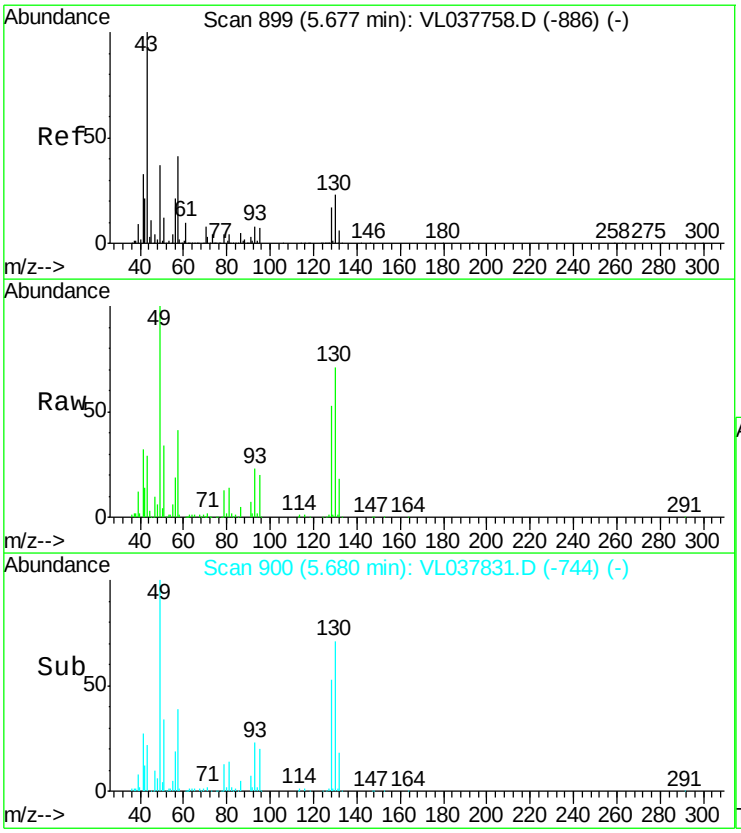
#23
Vinyl Acetate
Concen: 0.376 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 12 Oct 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
C0P47

Tgt Ion: 43 Resp: 64005

Ion	Ratio	Lower	Upper
43	100		
86	3.6	5.0	7.4#
42	26.2	7.4	11.0#
44	3.0	3.8	5.6#





#25
Ethyl Acetate
Concen: 0.366 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037831.D
Acq: 12 Oct 2021 15:56

Tgt Ion: 43 Resp: 116650

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.1	12.1#
61	0.9	7.5	11.3#
70	3.0	5.9	8.9#