Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081321\

Quantitation Report (Not Reviewed)

Data File : VL037442.D
Acq On : 13 Aug 2021 10:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 13 12:19:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 12 15:26:13 2021
QLast Update : Thu Aug 12 15:26:13 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1305931	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3951830	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	4382599	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2518222	8.01	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1552582	7.782	ppbv		99
3) Chlorodifluoromethane	2.99	51	2357031	9.191	ppbv		99
4) Chloromethane	3.14	50	873260	9.473	ppbv		100
5) Vinyl Chloride	3.25	62	878229	9.326	ppbv		100
6) Bromomethane	3.47	94	483529	9.180	ppbv		95
7) Chloroethane	3.56	64	321388	9.583	ppbv		91
8) Dichlorotetrafluoroethane	3.19	85	2058325	9.243	ppbv		99
9) Propene	3.01	41	846210	9.826	ppbv		99
10) Heptane	8.12	43	2087366	9.968	ppbv		100
11) Trichlorofluoromethane	3.95	101	1936931	8.972	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1453683	9.612	ppbv		99
13) Ethanol	3.62	45	44373	4.828	ppbv	#	51
14) Bromoethene	3.74	108	614036	9.128	ppbv		96
15) Acetone	3.84	43	1067156	7.705	ppbv		95
16) 1,3-Butadiene	3.32	39	858027	9.231	ppbv		97
17) tert-Butyl alcohol	4.29	59	1209546	9.150	ppbv		100
18) 1,1-Dichloroethene	4.29	96	649808	9.254	ppbv		89
19) Isopropyl Alcohol	3.96	45	725376	8.999	ppbv	#	1
20) Methylene Chloride	4.34	84	584352	7.979	ppbv		96
21) Allyl Chloride	4.41	41	1045346	9.632	ppbv		98
22) trans-1,2-Dichloroethene	4.88	96	681655	10.349	ppbv		96
23) Vinyl Acetate	5.07	43	1633450	7.686	ppbv		99
24) 1,1-Dichloroethane	5.01	63	1330024	8.058	ppbv		99
25) Ethyl Acetate	5.67	43	3228462	9.781	ppbv		99
26) Hexane	5.68	57	1597709	9.380	ppbv		99
27) Carbon Disulfide	4.55	76	1577409	10.984	ppbv		98
28) Methyl tert-Butyl Ether	5.03	73	1406319	7.715	ppbv		98
29) Chloroform	5.75	83	2258006	9.416	ppbv		98
30) Cyclohexane	7.12	84	1329970	9.481	ppbv		99
31) cis-1,2-Dichloroethene	5.54	61	1507219	10.237	ppbv		98
32) 1,1,1-Trichloroethane	6.50	97	2238689	9.250	ppbv		100
34) 2-Butanone	5.24	43	1402195	8.594	ppbv		97
35) Carbon Tetrachloride	7.01	117	2341871	9.610	ppbv		100
36) Benzene	6.89	78	3267500	9.806	ppbv		99
37) 1,2-Dichloroethane	6.30	62	1643718	9.666	ppbv		99
38) Trichloroethene	7.83	130	1301355	8.848	ppbv		97
39) 1,2-Dichloropropane	7.61	63	1234060	9.722	ppbv		97
40) 1,4-Dioxane	7.82	88	128168	4.149	ppbv	#	100
41) Tetrahydrofuran	6.05	42	750857	10.021	ppbv		98
42) Bromodichloromethane	7.78	83	2478689	10.409	ppbv		99
43) Methyl Methacrylate	8.01	69	1170040	10.360	ppbv		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081321\

Quantitation Report (Not Reviewed)

Data File : VL037442.D
Acq On : 13 Aug 2021 10:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 13 12:19:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 12 15:26:13 2021
QLast Update : Thu Aug 12 15:26:13 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5392547	9.679	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	1020407	12.159	ppbv		98
46) cis-1,3-Dichloropropene	8.70	75	1321732	11.281	ppbv		97
47) 1,1,2-Trichloroethane	9.47	97	1311474	9.557	ppbv		96
48) Dibromochloromethane	10.30	129	2095563	10.584	ppbv		100
49) Bromoform	13.03	173	1632652	10.883	ppbv		91
50) 4-Methyl-2-Pentanone	8.74	43	2103497	10.248	ppbv		100
51) 2-Hexanone	10.13	43	1014799	10.509	ppbv	#	99
52) Tetrachloroethene	11.21	164	1198922	8.541	ppbv		95
53) Toluene	9.80	91	3820039	10.041	ppbv		98
54) 1,2-Dibromoethane	10.60	107	1903127	10.190	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1411980	8.093	ppbv		97
57) Chlorobenzene	12.14	112	2683416	7.555	ppbv		96
58) Ethyl Benzene	12.70	91	4848913	8.156	ppbv		98
59) m/p-Xylene	12.99	91	3372522	6.458	ppbv	#	1
60) o-Xylene	13.68	91	3765509	7.761	ppbv		100
61) Styrene	13.52	104	2127037	8.678	ppbv		100
62) Isopropylbenzene	14.66	105	5244460	7.559	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2707389	7.400	ppbv		98
64) n-propylbenzene	15.55	120	1428573	8.182	ppbv		95
65) tert-Butylbenzene	16.73	119	4811305	7.690	ppbv		99
66) Benzyl Chloride	16.98	91	299902	10.475	ppbv		99
67) sec-Butylbenzene	17.28	105	6734338	7.910	ppbv		99
69) p-Isopropyltoluene	17.64	119	5653731	8.091	ppbv		100
70) n-Butylbenzene	18.54	91	5533401	8.520	ppbv		99
71) 2-Chlorotoluene	15.44	91	3893968	7.935	ppbv		99
72) 4-Ethyltoluene	15.83	105	4655044	8.266	ppbv		99
73) 1,3,5-Trimethylbenzene	15.99	105	4204158	7.896	ppbv		99
74) 1,2,4-Trimethylbenzene	16.75	105	4391791	8.057	ppbv		96
75) 1,3-Dichlorobenzene	16.98	146	2654526	7.957	ppbv		99
76) 1,4-Dichlorobenzene	17.13	146	2582409	7.808	ppbv		98
77) 1,2-Dichlorobenzene	17.81	146	2593329	8.080	ppbv		99
78) Hexachloro-1,3-Butadiene	23.36	225	1915916	7.369	ppbv		99
79) Naphthalene	22.18	128	3231112	10.906	ppbv		97
80) Naphthalene,2-methyl-	24.96	142	956522	15.287	ppbv		94
81) 1,2,4-Trichlorobenzene	21.91	180	1947657	9.676	ppbv		99

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

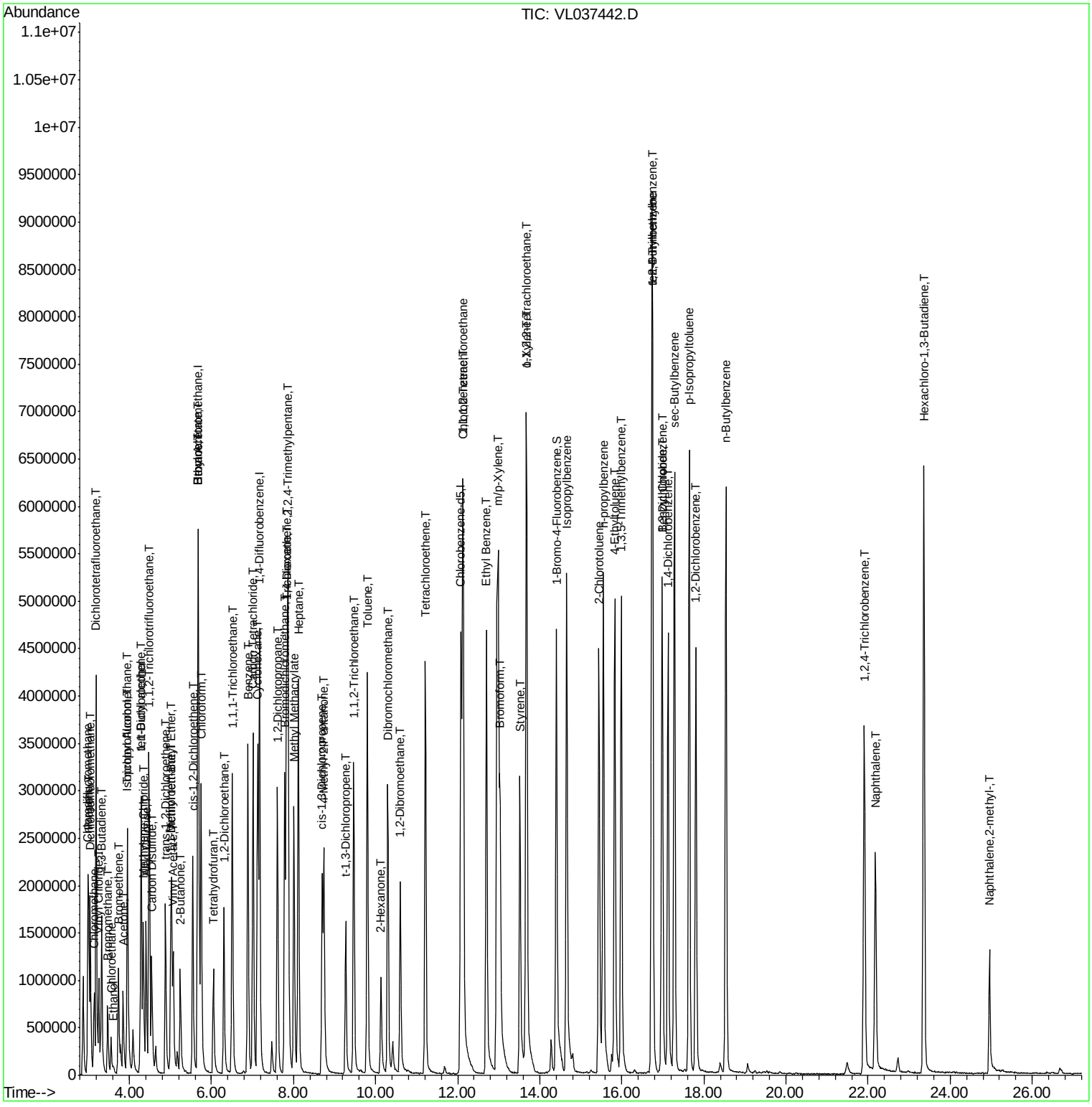
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081321\

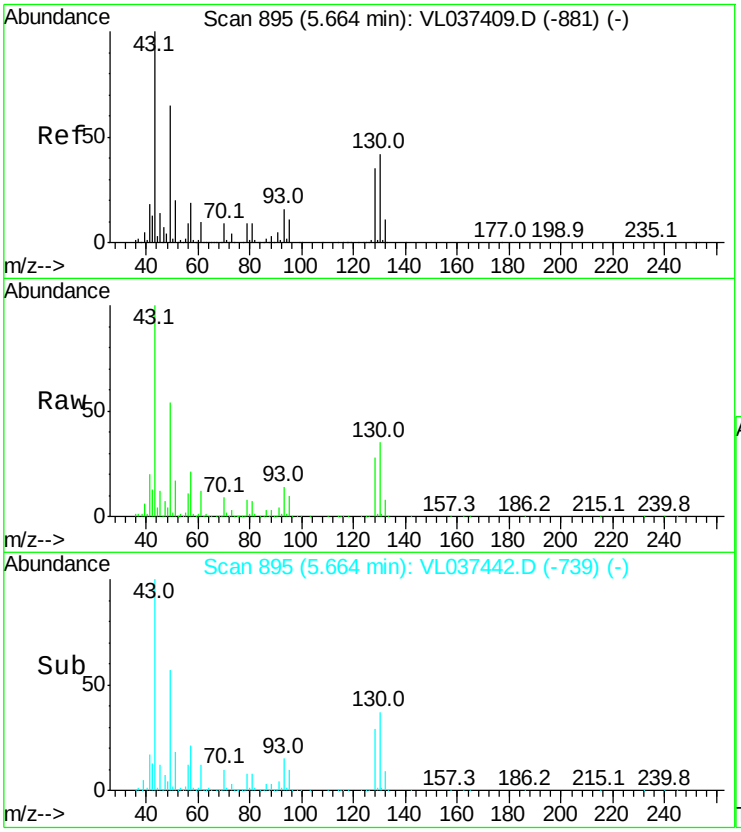
Quantitation Report (Not Reviewed)

Data File : VL037442.D
Acq On : 13 Aug 2021 10:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 13 12:19:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 12 15:26:13 2021
QLast Update : Thu Aug 12 15:26:13 2021
Response via : Initial Calibration



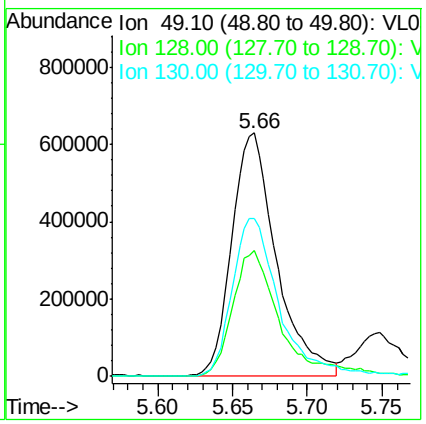


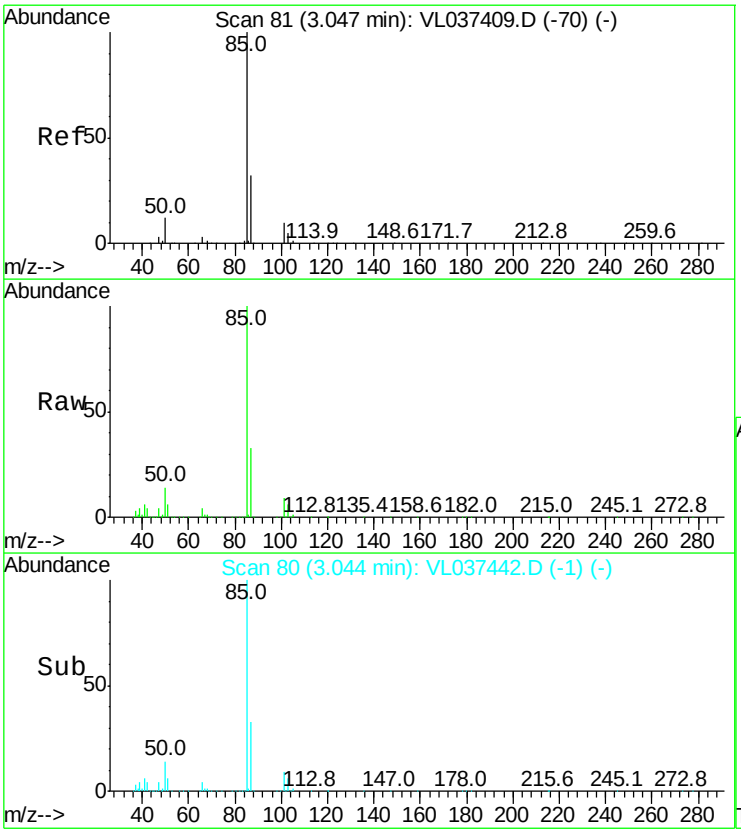
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1305931

Ion	Ratio	Lower	Upper
49	100		
128	56.4	27.9	83.6
130	69.1	34.6	103.8

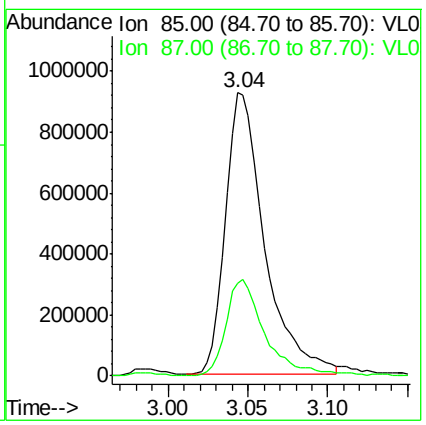


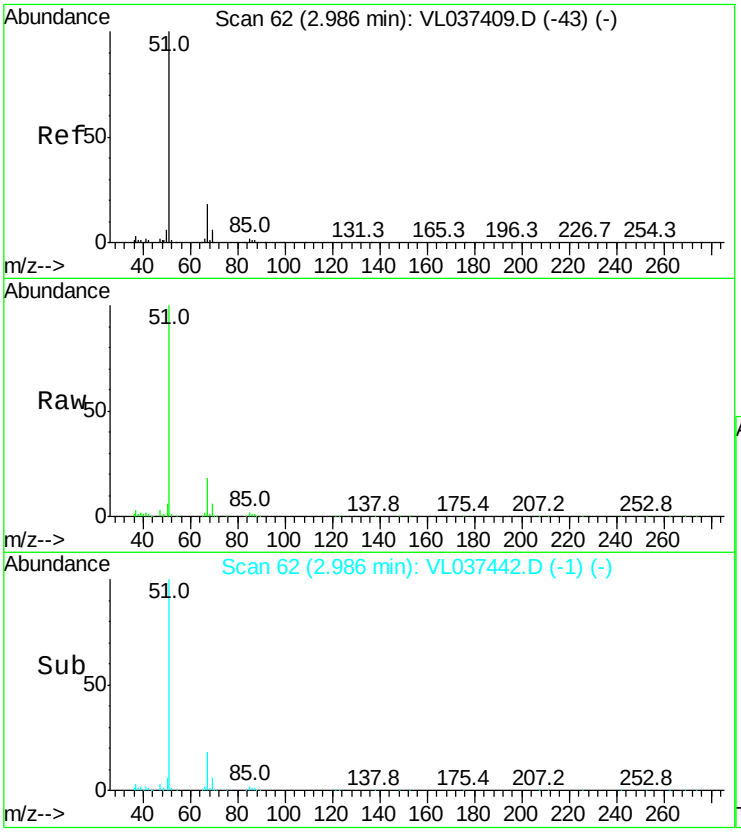


#2
Dichlorodifluoromethane
Concen: 7.782 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 85 Resp: 1552582

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.7	38.5



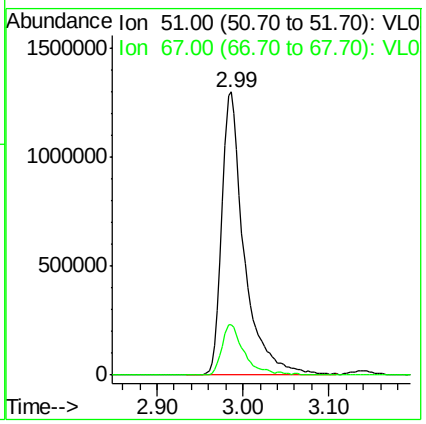


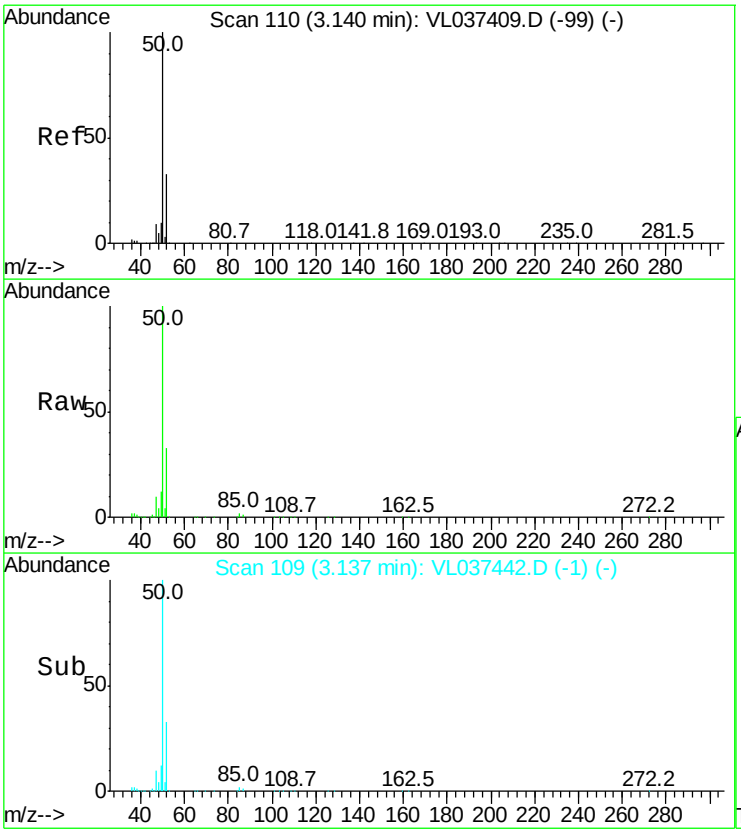
#3
Chlorodifluoromethane
Concen: 9.191 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 2357031

Ion	Ratio	Lower	Upper
51	100		
67	18.1	14.7	22.1

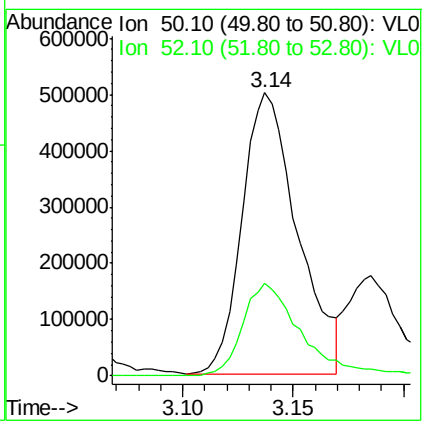


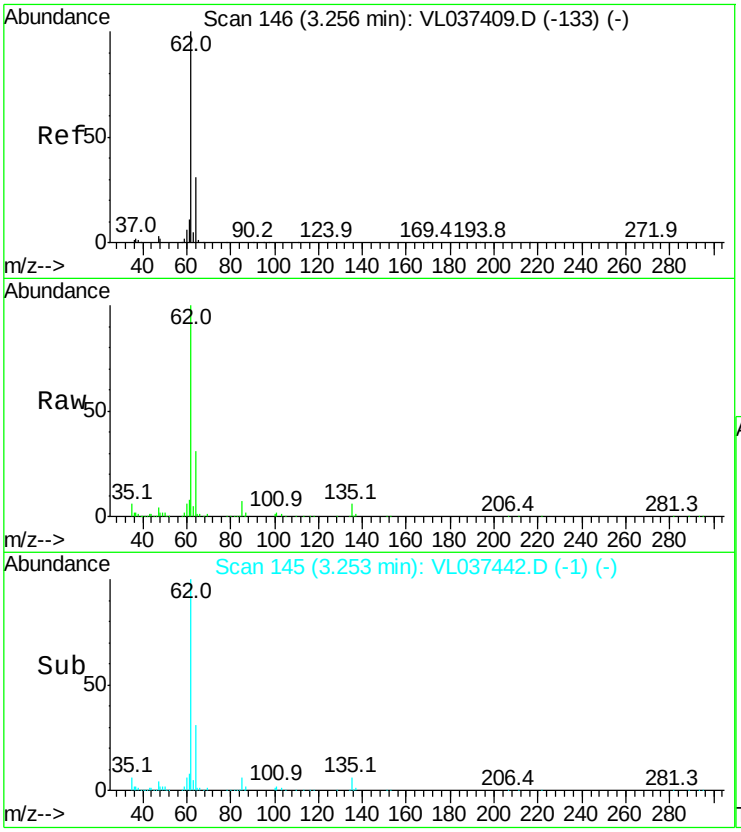


#4
Chloromethane
Concen: 9.473 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 50 Resp: 873260

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4



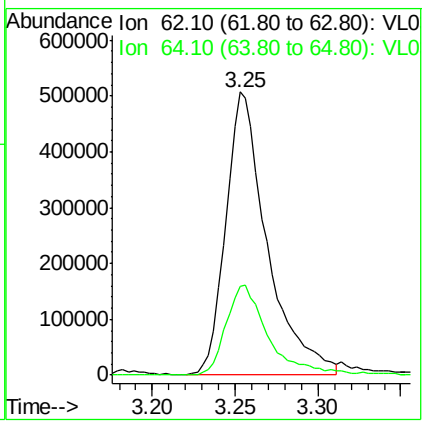


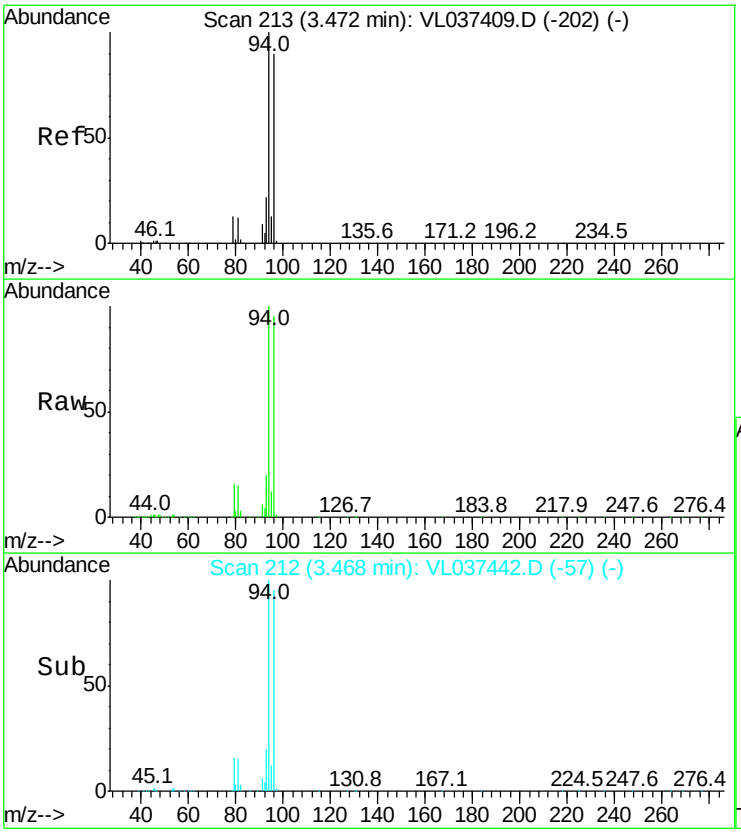
#5
Vinyl Chloride
Concen: 9.326 ppbv
RT: 3.25 min Scan# 145
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 878229

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.0	37.6

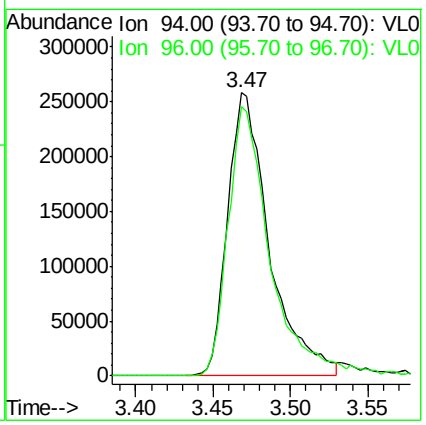


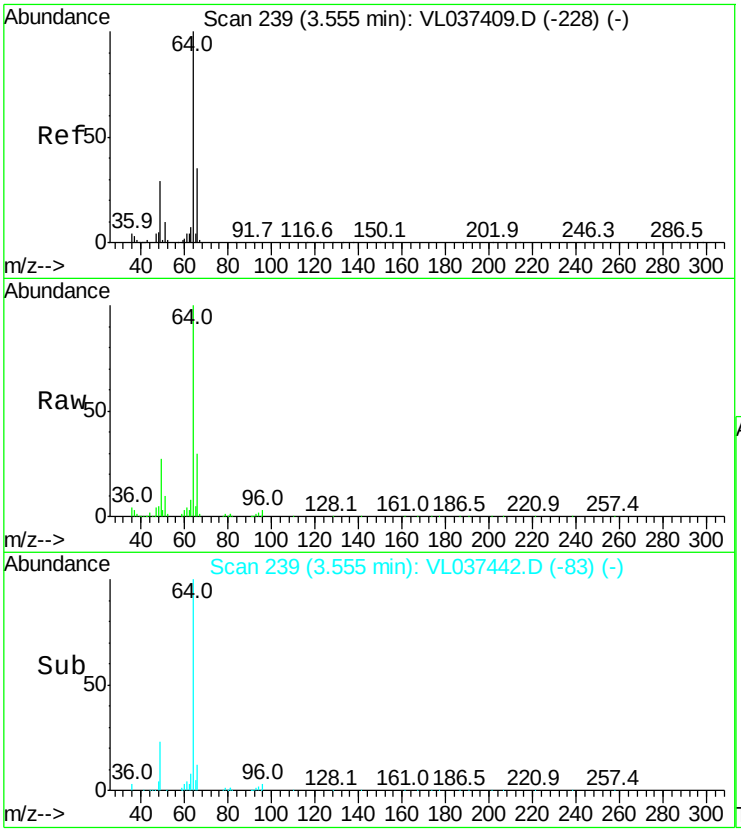


#6
Bromomethane
Concen: 9.180 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 94 Resp: 483529

Ion	Ratio	Lower	Upper
94	100		
96	95.4	72.2	108.4



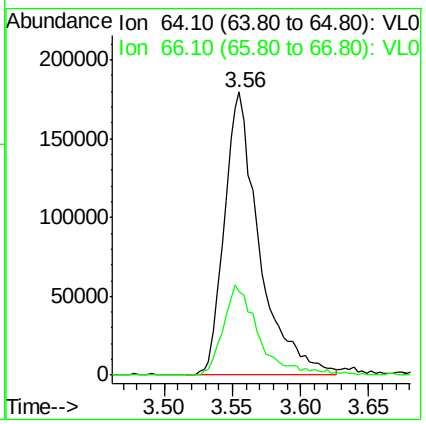


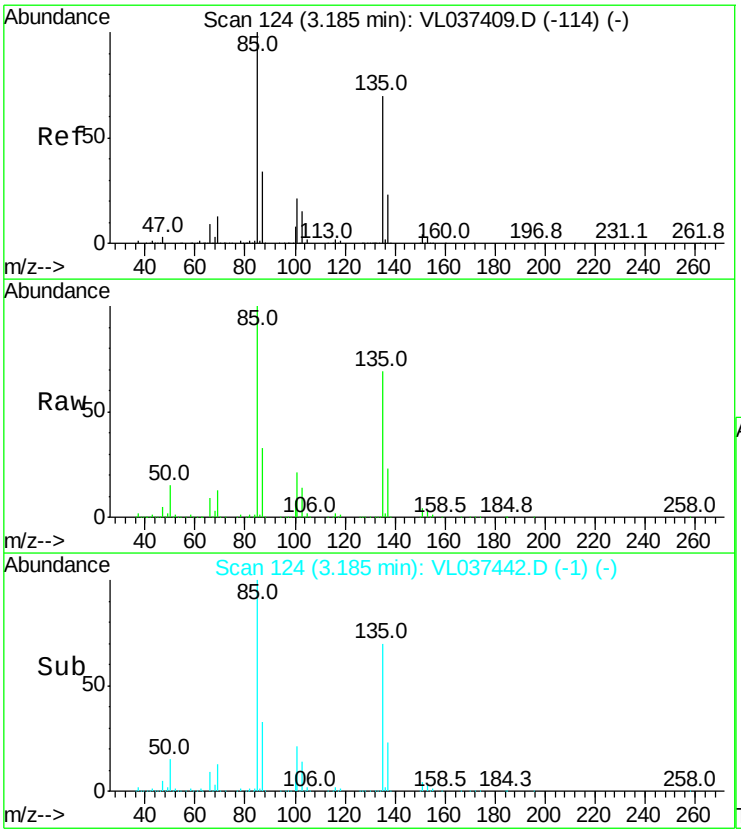
#7
Chloroethane
Concen: 9.583 ppbv
RT: 3.56 min Scan# 239
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 321388

Ion	Ratio	Lower	Upper
64	100		
66	29.7	27.8	41.8

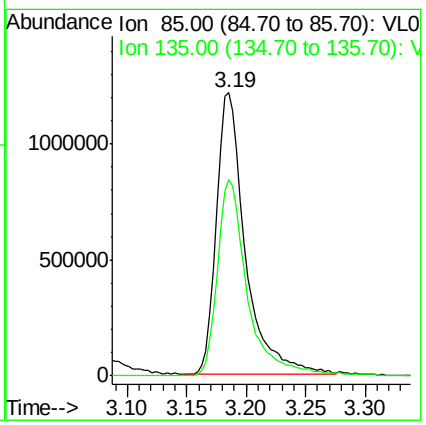


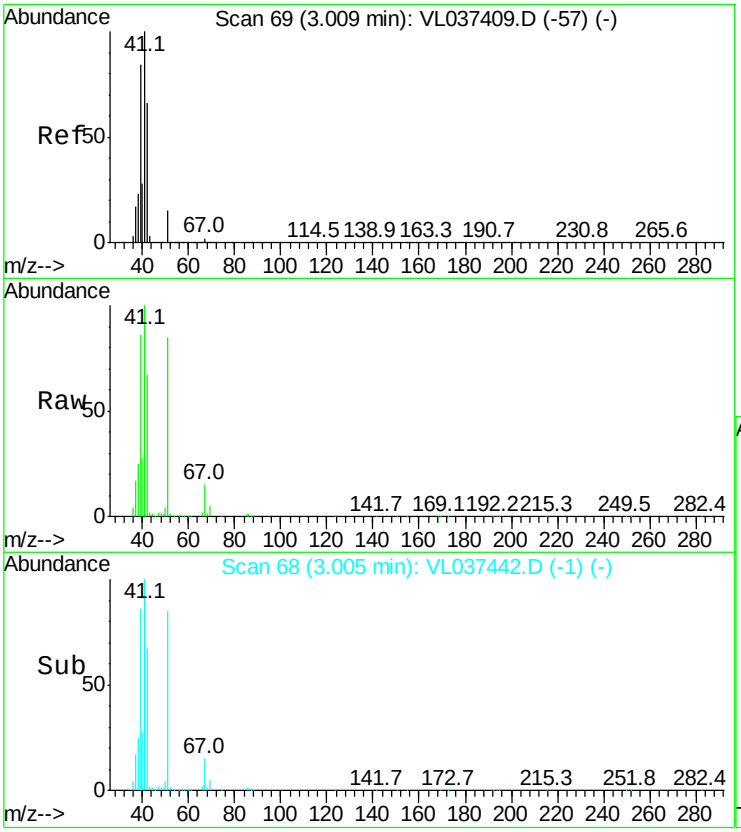


#8
Dichlorotetrafluoroethane
Concen: 9.243 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 85 Resp: 2058325

Ion	Ratio	Lower	Upper
85	100		
135	72.7	58.6	88.0



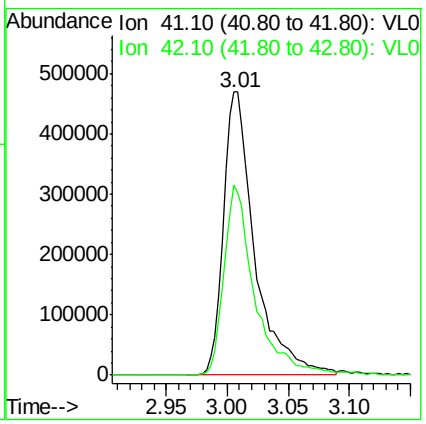


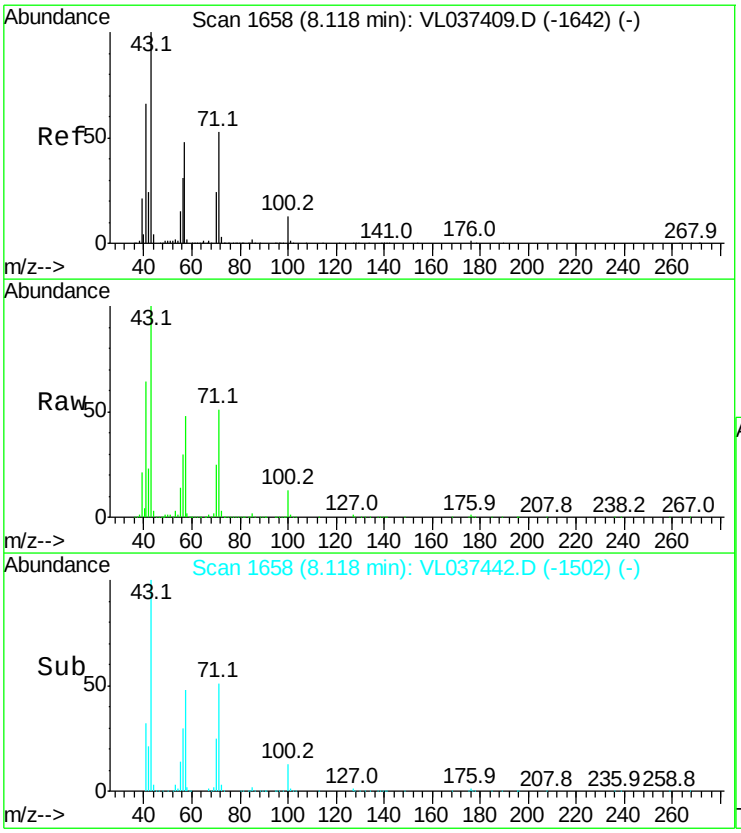
#9
Propene
Concen: 9.826 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 846210

Ion	Ratio	Lower	Upper
41	100		
42	66.2	53.8	80.8

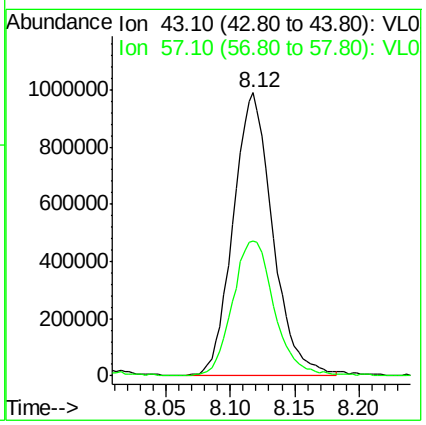


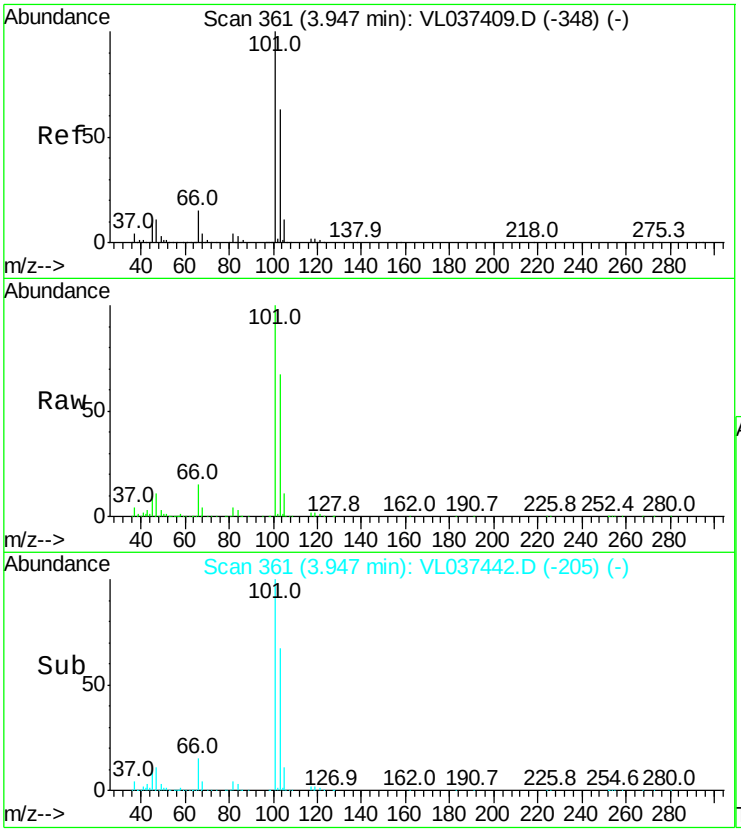


#10
Heptane
Concen: 9.968 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 43 Resp: 2087366

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.3	60.5



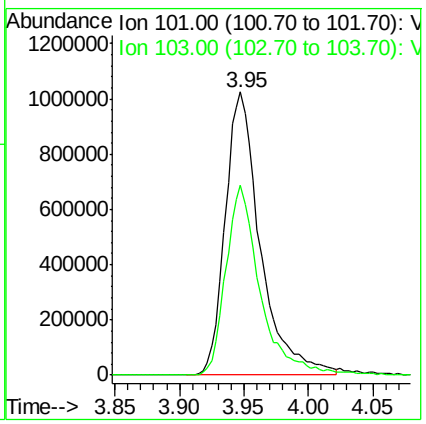


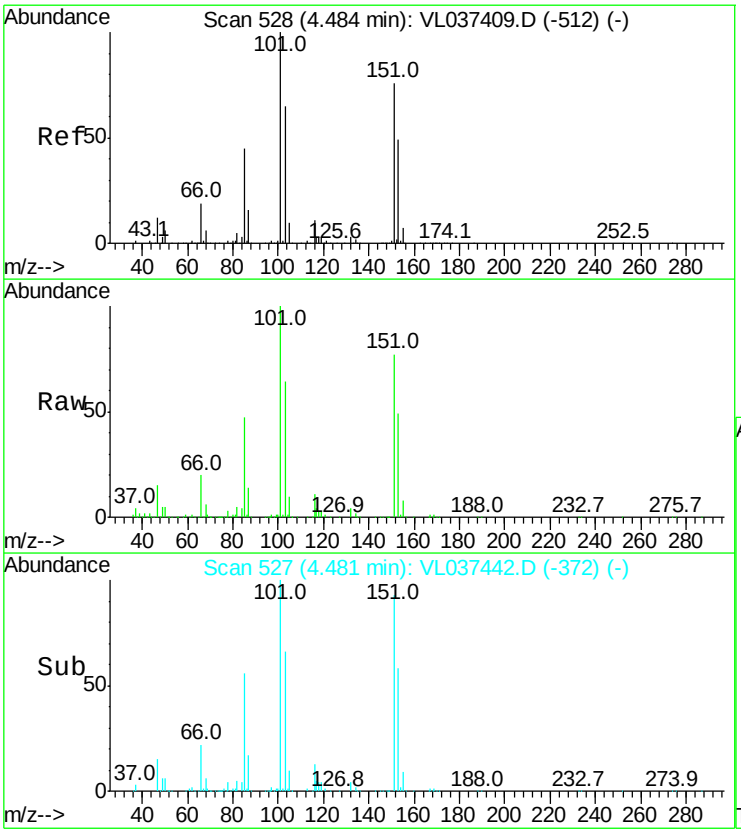
#11
Trichlorofluoromethane
Concen: 8.972 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1936931

Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.2	75.4

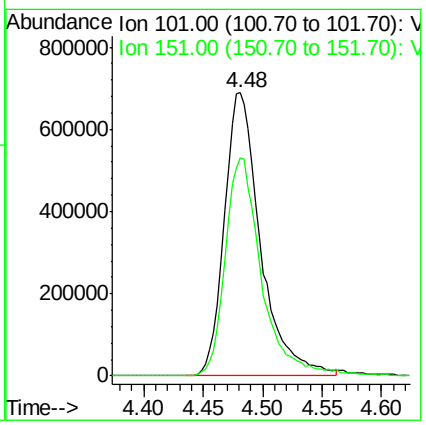


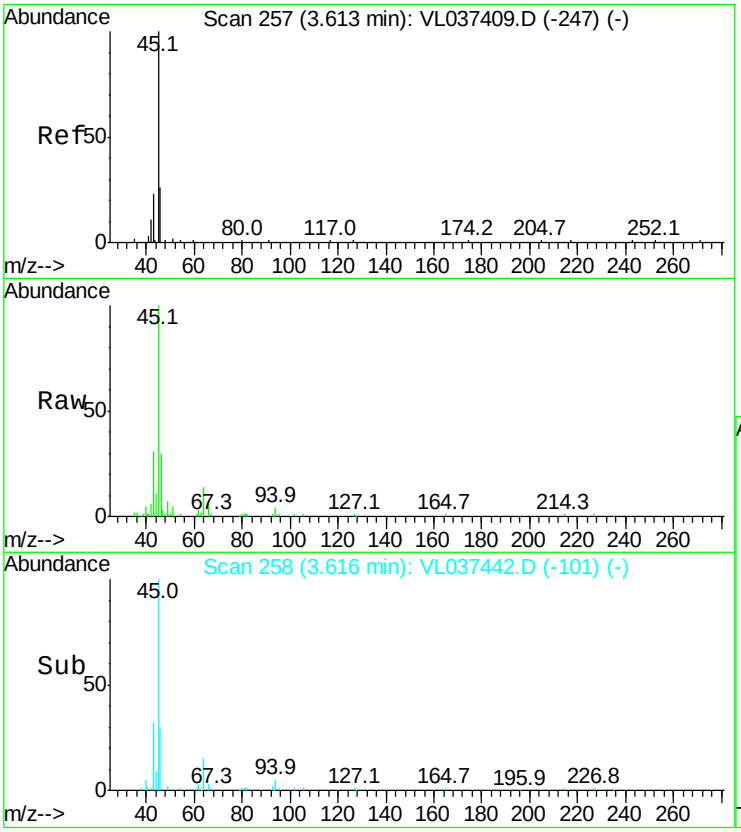


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.612 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion:101 Resp: 1453683

Ion	Ratio	Lower	Upper
101	100		
151	77.5	61.2	91.8



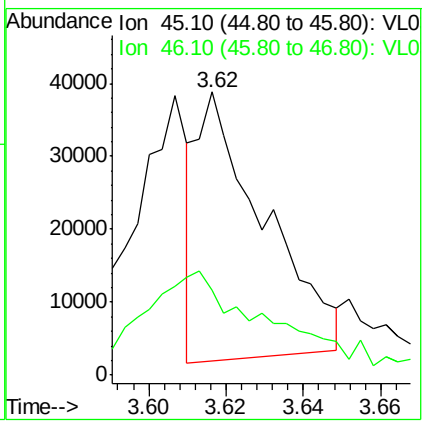


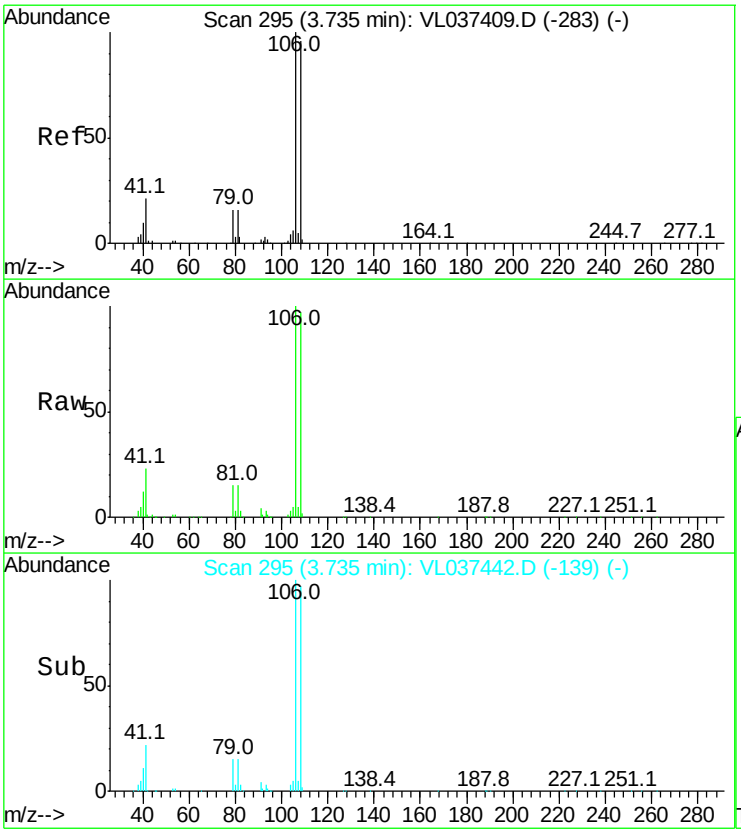
#13
Ethanol
Concen: 4.828 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 44373

Ion	Ratio	Lower	Upper
45	100		
46	76.9	18.0	72.2#

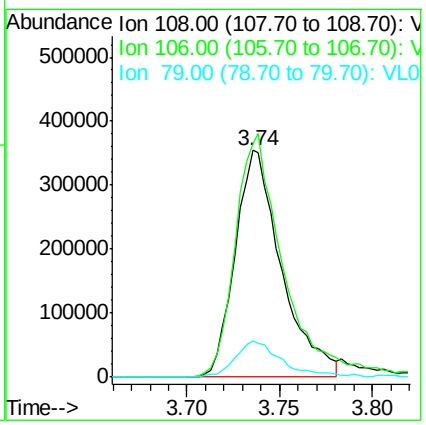


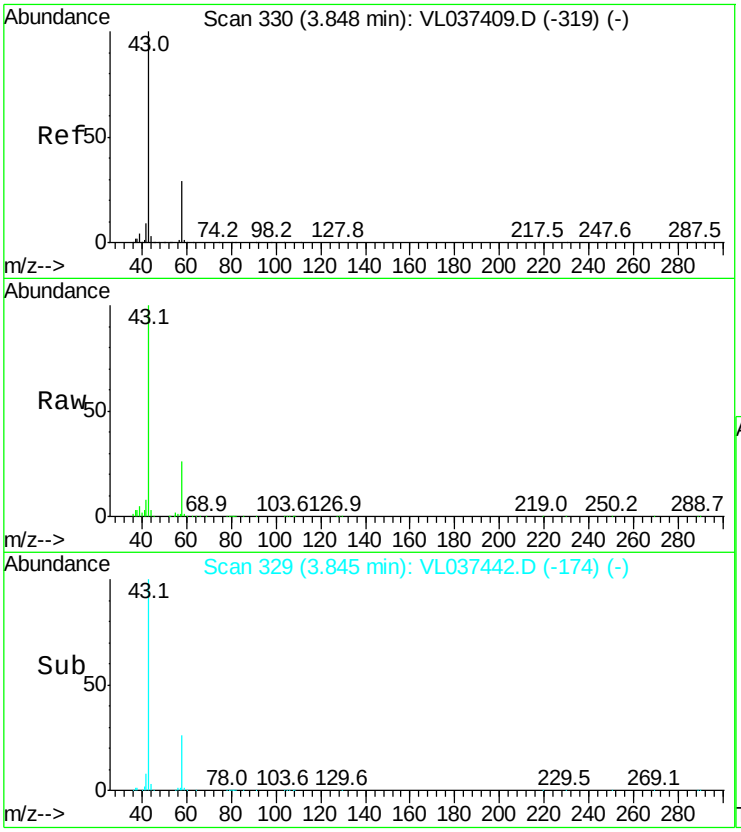


#14
Bromoethene
Concen: 9.128 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion:108 Resp: 614036

Ion	Ratio	Lower	Upper
108	100		
106	114.3	87.5	131.3
79	17.1	13.5	20.3



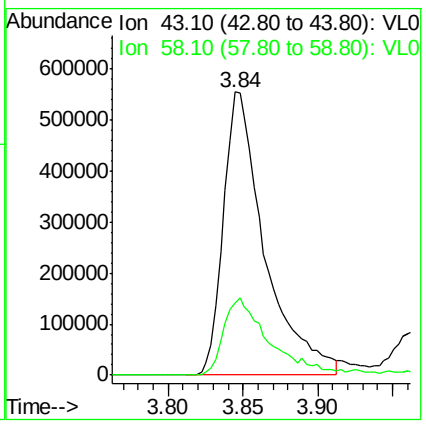


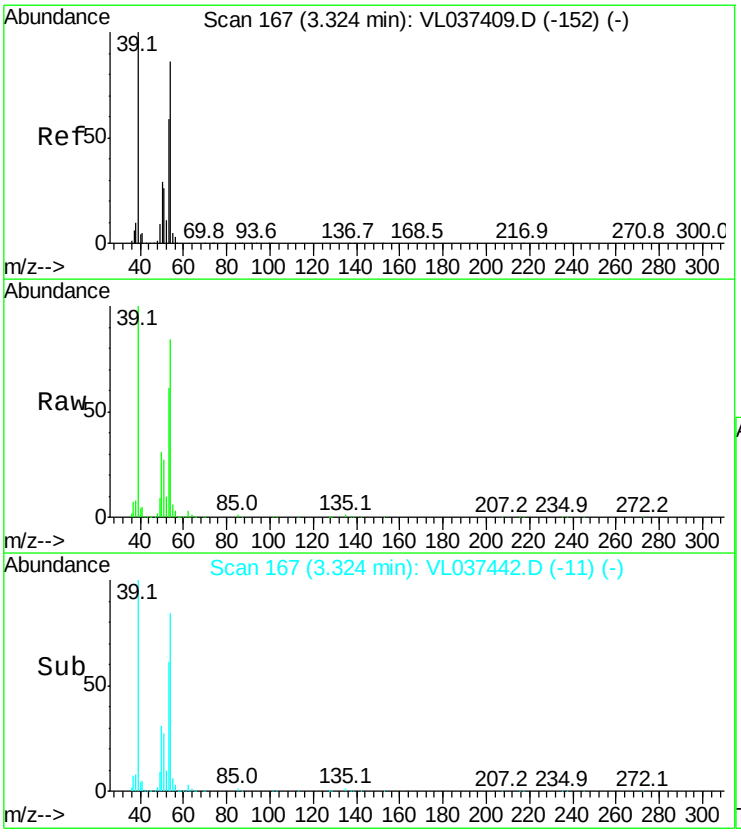
#15
Acetone
Concen: 7.705 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1067156

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.4	36.6

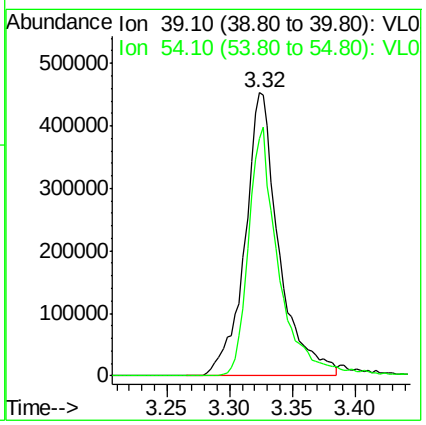


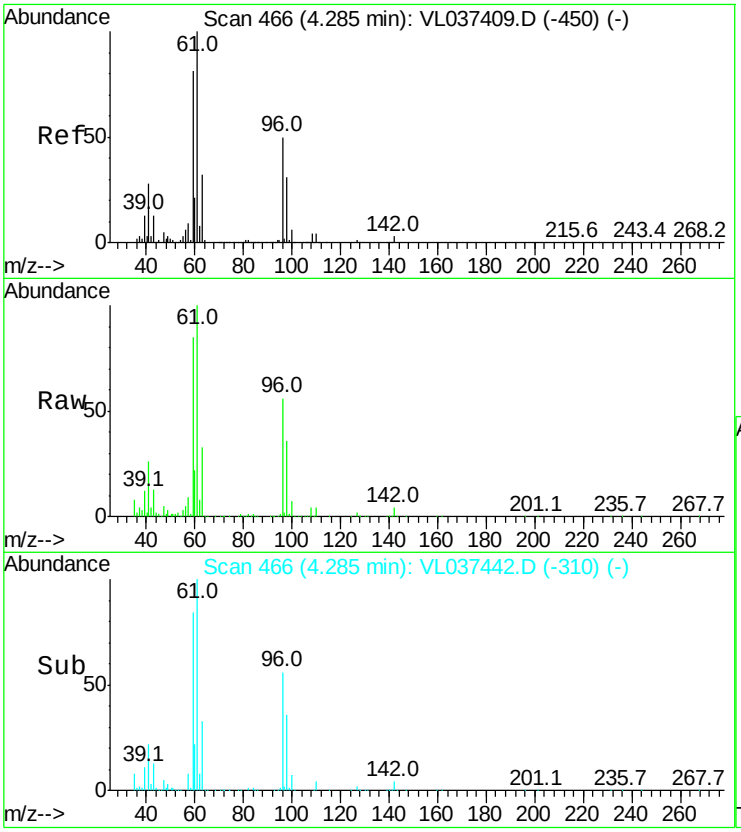


#16
1,3-Butadiene
Concen: 9.231 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 39 Resp: 858027

Ion	Ratio	Lower	Upper
39	100		
54	78.9	61.4	92.0



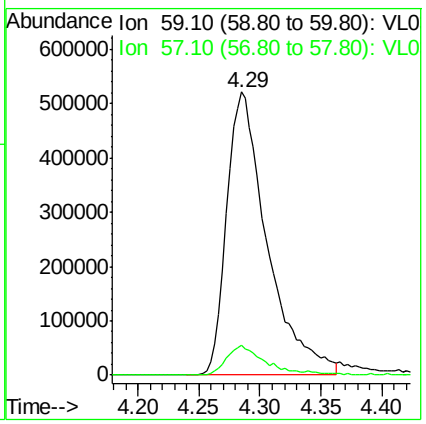


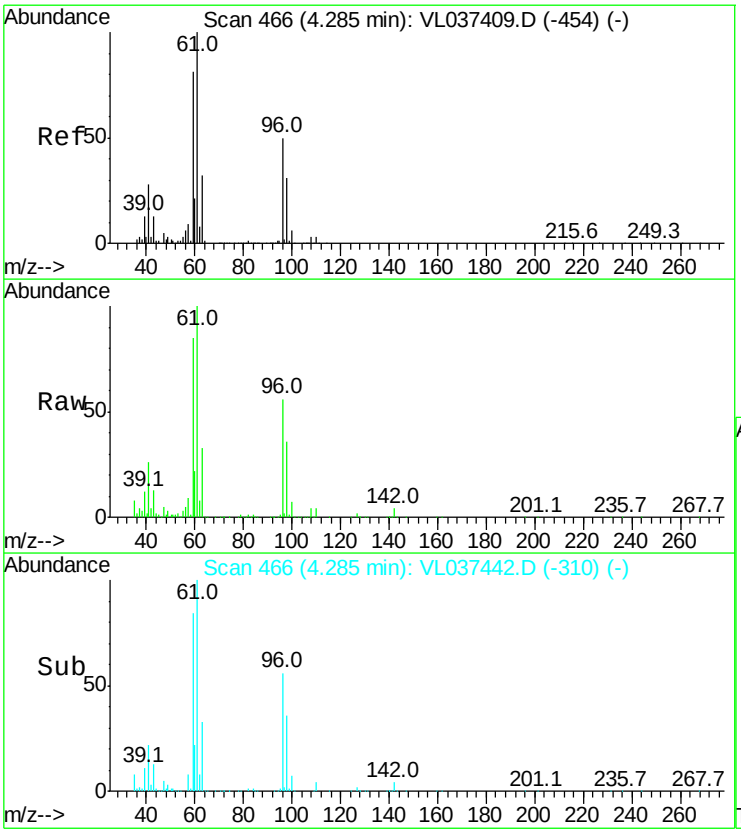
#17
tert-Butyl alcohol
Concen: 9.150 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1209546

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

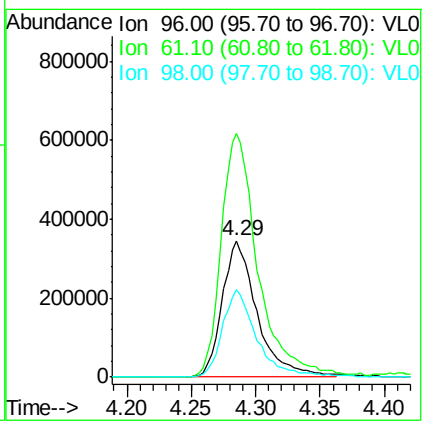


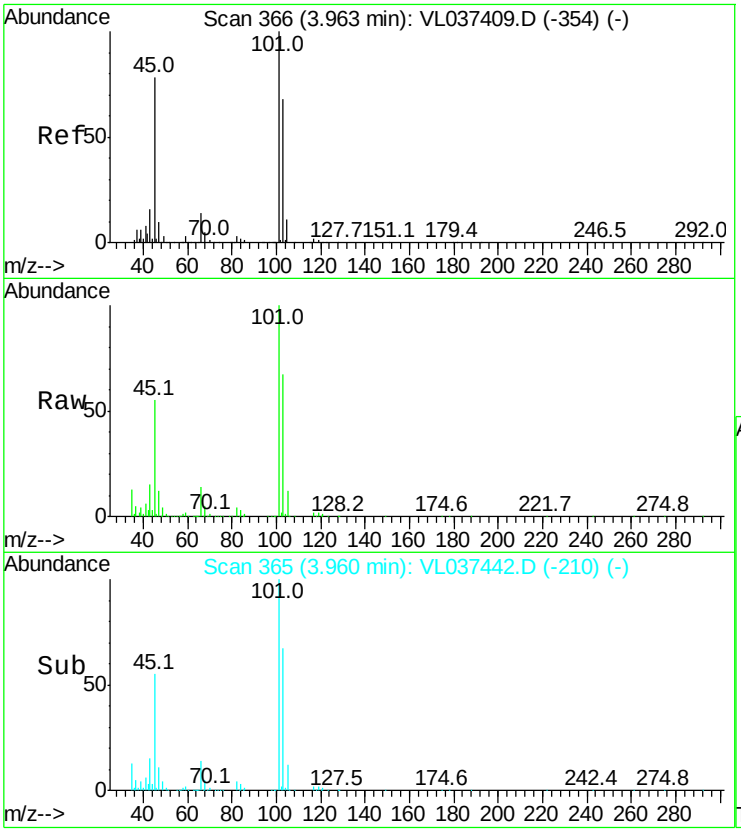


#18
1,1-Dichloroethene
Concen: 9.254 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 96 Resp: 649808

Ion	Ratio	Lower	Upper
96	100		
61	178.7	159.0	238.4
98	63.8	49.4	74.2



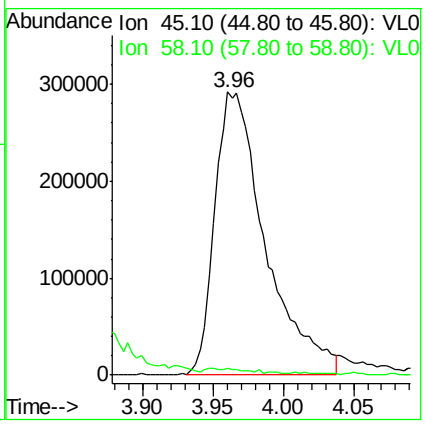


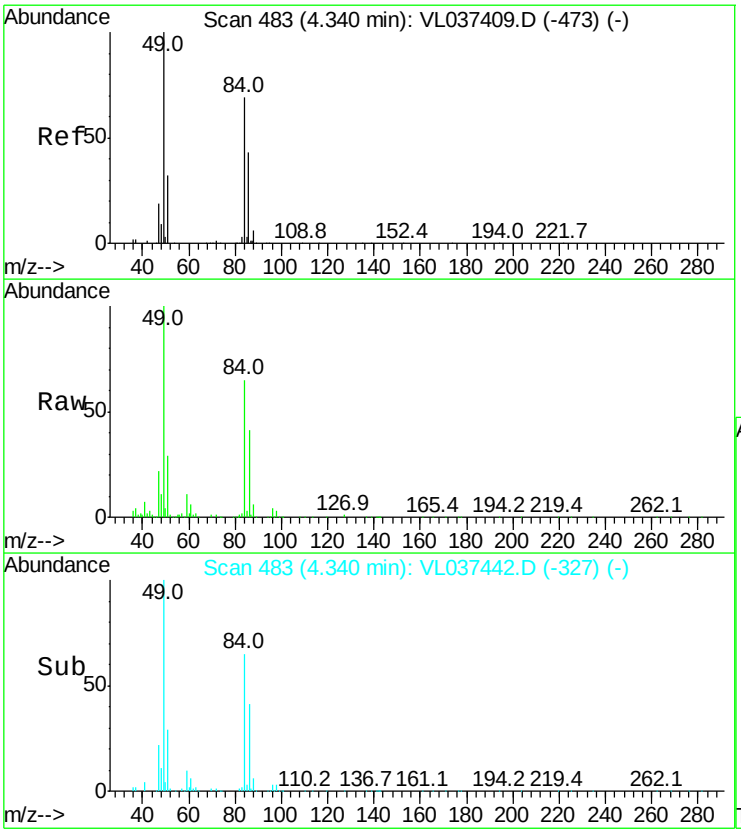
#19
Isopropyl Alcohol
Concen: 8.999 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 725376

Ion	Ratio	Lower	Upper
45	100		
58	48.5	2.2	3.4#

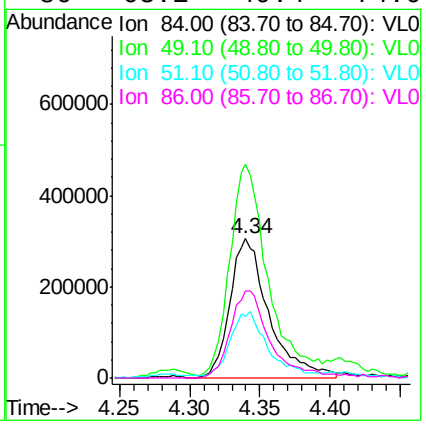


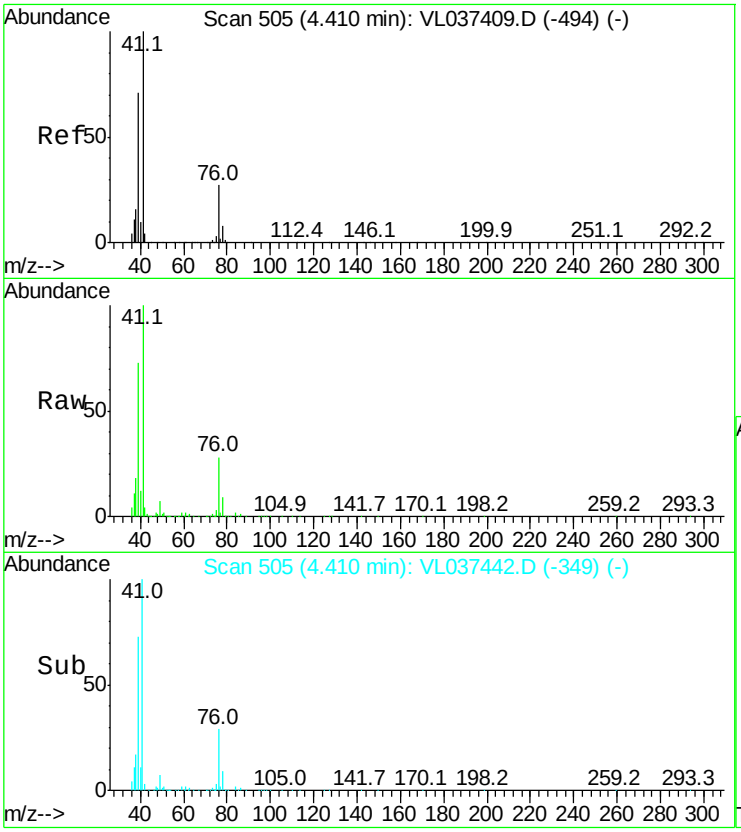


#20
Methylene Chloride
Concen: 7.979 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 84 Resp: 584352

Ion	Ratio	Lower	Upper
84	100		
49	150.8	116.0	174.0
51	43.0	37.1	55.7
86	63.1	49.4	74.0



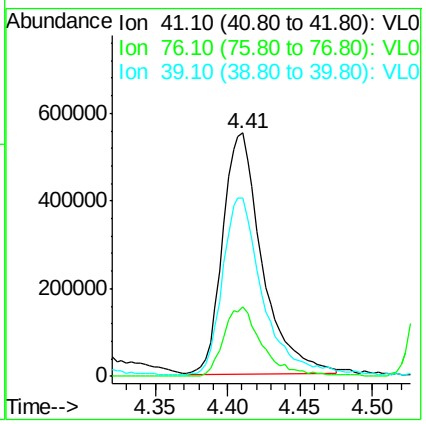


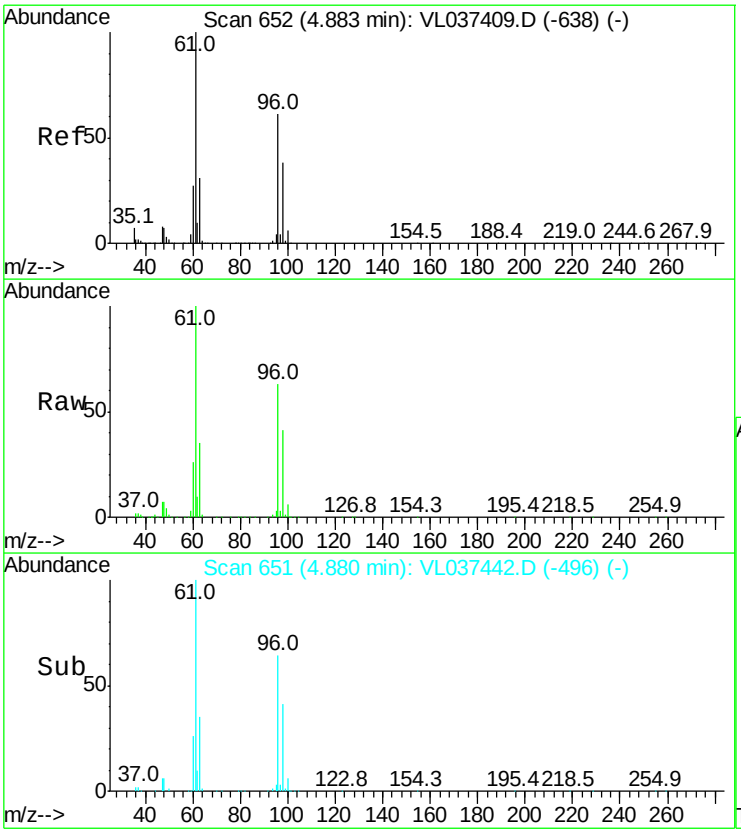
#21
Allyl Chloride
Concen: 9.632 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 1045346

Ion	Ratio	Lower	Upper
41	100		
76	28.5	23.7	35.5
39	75.7	62.3	93.5

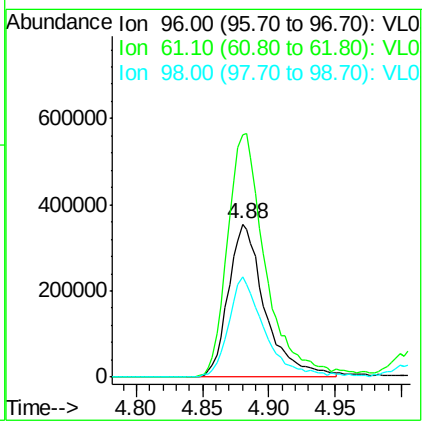


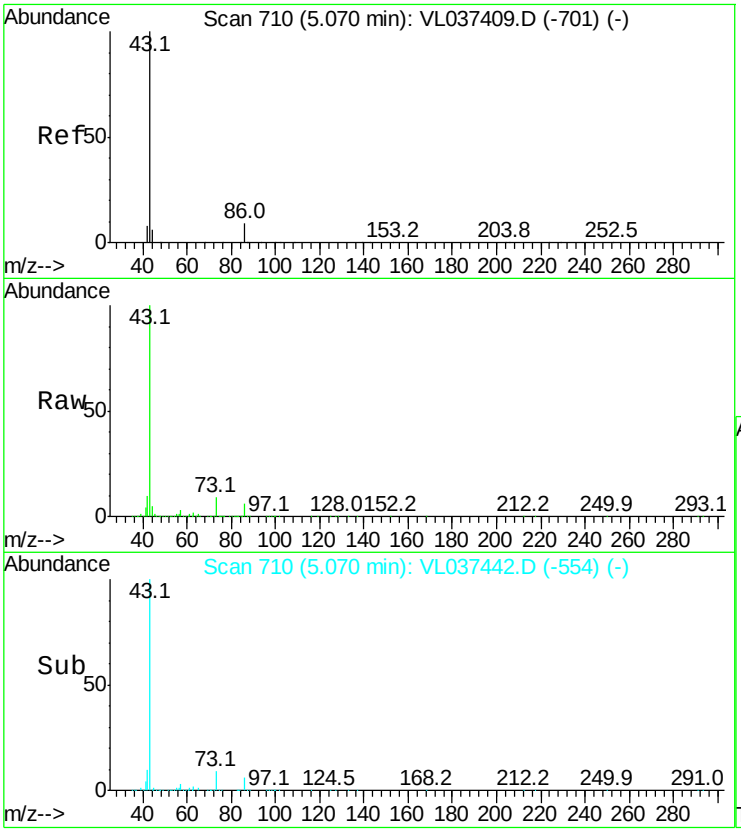


#22
trans-1,2-Dichloroethene
Concen: 10.349 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 96 Resp: 681655

Ion	Ratio	Lower	Upper
96	100		
61	158.1	131.0	196.4
98	65.1	50.2	75.4



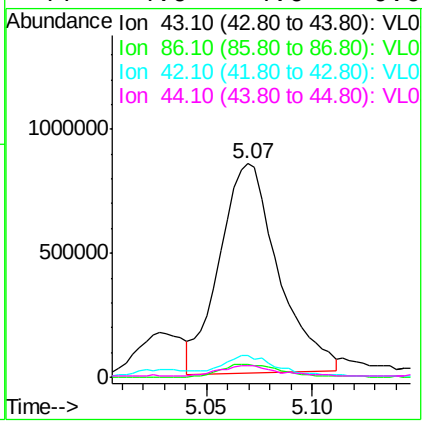


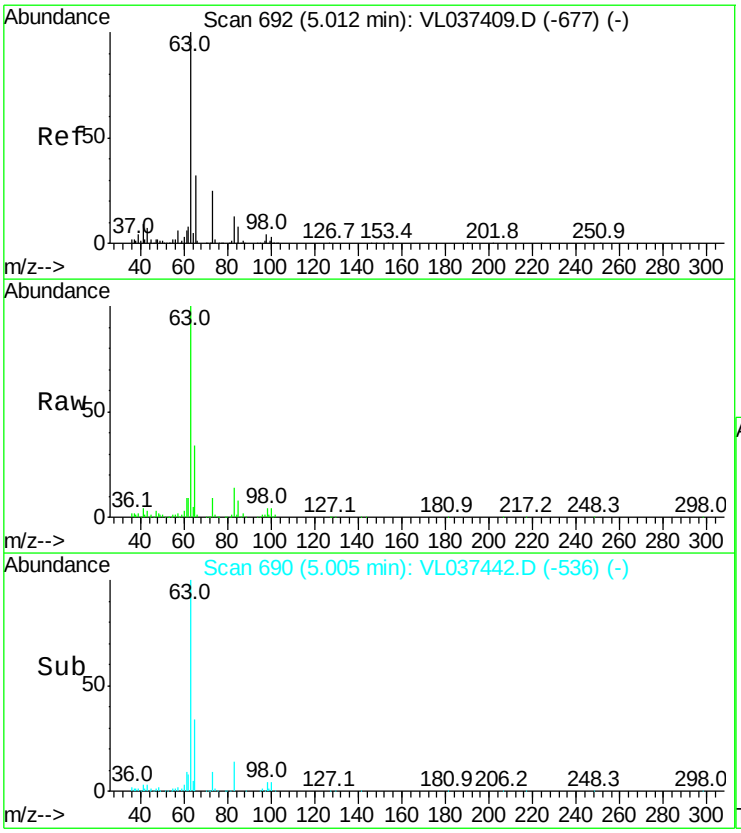
#23
Vinyl Acetate
Concen: 7.686 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1633450

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.8
42	10.0	7.7	11.5
44	4.9	4.0	6.0

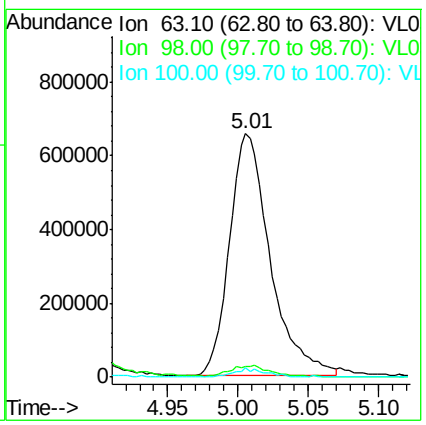


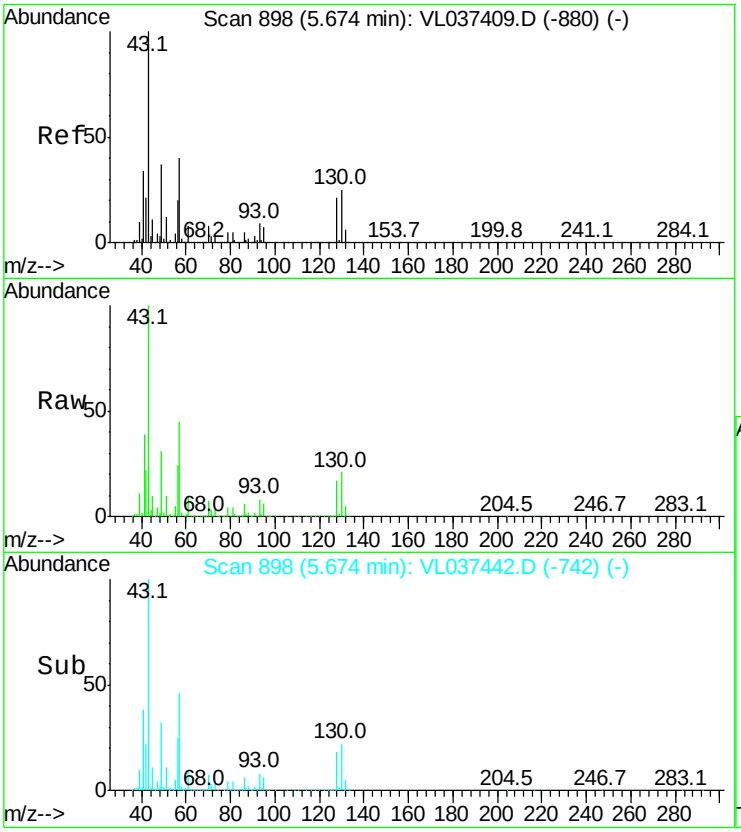


#24
1,1-Dichloroethane
Concen: 8.058 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 63 Resp: 1330024

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.3
100	3.7	1.6	4.7



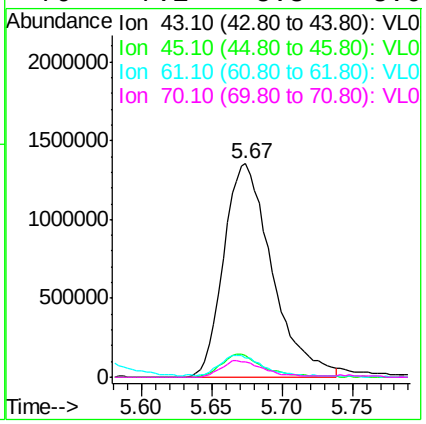


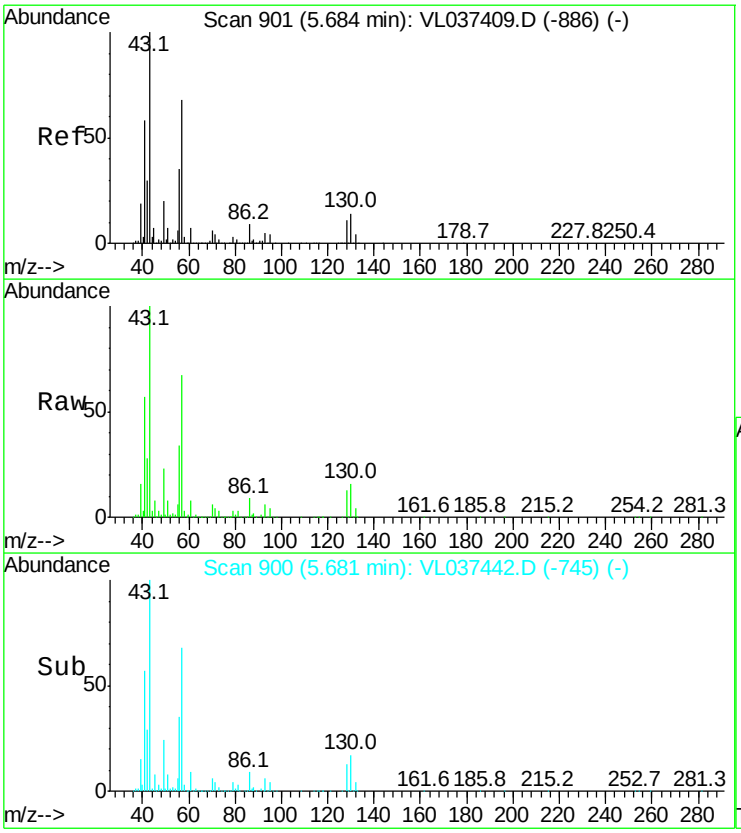
#25
Ethyl Acetate
Concen: 9.781 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 3228462

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	10.8	7.7	11.5
70	7.1	5.8	8.6





#26
Hexane
Concen: 9.380 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037442.D
Acq: 13 Aug 2021 10:31

Tgt Ion: 57 Resp: 1597709

Ion	Ratio	Lower	Upper
57	100		
41	89.2	72.5	108.7
43	209.4	169.3	253.9
56	52.5	42.3	63.5