Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

Quantitation Report (Not Reviewed)

Data File : VL037759.D
Acq On : 4 Oct 2021 12:18
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Oct 04 12:52:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1486157	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4399264	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	4009519	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2682997	9.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	379093	1.410	ppbv		96
3) Chlorodifluoromethane	2.99	51	597383	2.131	ppbv		99
4) Chloromethane	3.14	50	215535	2.081	ppbv		97
5) Vinyl Chloride	3.26	62	212062	2.180	ppbv		97
6) Bromomethane	3.47	94	102844	1.819	ppbv		94
7) Chloroethane	3.56	64	75647	2.081	ppbv	#	80
8) Dichlorotetrafluoroethane	3.19	85	463937	2.000	ppbv		97
9) Propene	3.01	41	212359	2.148	ppbv		98
10) Heptane	8.12	43	498076	2.159	ppbv		97
11) Trichlorofluoromethane	3.95	101	423491	1.961	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.48	101	314622	1.974	ppbv		94
13) Ethanol	3.62	45	17983	1.859	ppbv		78
14) Bromoethene	3.74	108	143320	1.976	ppbv		97
15) Acetone	3.85	43	225689	1.462	ppbv	#	80
16) 1,3-Butadiene	3.32	39	205009	2.125	ppbv		100
17) tert-Butyl alcohol	4.29	59	117084	0.894	ppbv	#	59
18) 1,1-Dichloroethene	4.29	96	150680	2.030	ppbv		93
19) Isopropyl Alcohol	3.97	45	157146	1.870	ppbv	#	91
20) Methylene Chloride	4.34	84	149982	2.035	ppbv		89
21) Allyl Chloride	4.41	41	215673	1.870	ppbv		87
22) trans-1,2-Dichloroethene	4.89	96	137440	1.840	ppbv		99
23) Vinyl Acetate	5.07	43	441228	2.065	ppbv		98
24) 1,1-Dichloroethane	5.01	63	312341	2.041	ppbv		97
25) Ethyl Acetate	5.68	43	785584	2.101	ppbv		98
26) Hexane	5.69	57	386298	2.174	ppbv		98
27) Carbon Disulfide	4.55	76	339323	2.088	ppbv		98
28) Methyl tert-Butyl Ether	5.04	73	331790	2.120	ppbv		99
29) Chloroform	5.75	83	541872	2.089	ppbv		96
30) Cyclohexane	7.12	84	149297	0.983	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	191168	1.185	ppbv		96
32) 1,1,1-Trichloroethane	6.50	97	270021	1.118	ppbv	#	30
34) 2-Butanone	5.25	43	320464	1.793	ppbv		95
35) Carbon Tetrachloride	7.02	117	512141	2.058	ppbv		96
36) Benzene	6.89	78	781138	2.129	ppbv		97
37) 1,2-Dichloroethane	6.30	62	367277	2.036	ppbv		99
38) Trichloroethene	7.83	130	308273	2.012	ppbv		96
39) 1,2-Dichloropropane	7.61	63	285242	2.030	ppbv		95
40) 1,4-Dioxane	7.84	88	35891	1.050	ppbv	#	100
41) Tetrahydrofuran	6.06	42	76415	0.909	ppbv	#	25
42) Bromodichloromethane	7.79	83	544973	2.107	ppbv		99
43) Methyl Methacrylate	8.01	69	259793	2.129	ppbv		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

Quantitation Report (Not Reviewed)

Data File : VL037759.D
Acq On : 4 Oct 2021 12:18
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Oct 04 12:52:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1349693	2.189	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	166045	1.732	ppbv		96
46) cis-1,3-Dichloropropene	8.70	75	238015	1.838	ppbv		96
47) 1,1,2-Trichloroethane	9.47	97	310636	1.999	ppbv		98
48) Dibromochloromethane	10.30	129	463975	2.140	ppbv		100
49) Bromoform	13.03	173	353933	2.039	ppbv		97
50) 4-Methyl-2-Pentanone	8.75	43	479915	2.115	ppbv		100
51) 2-Hexanone	10.15	43	205602	2.054	ppbv	#	97
52) Tetrachloroethene	11.22	164	298915	2.123	ppbv		96
53) Toluene	9.80	91	882949	2.165	ppbv		99
54) 1,2-Dibromoethane	10.61	107	432145	2.031	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.12	131	341808	2.055	ppbv	#	1
57) Chlorobenzene	12.14	112	680276	2.041	ppbv		95
58) Ethyl Benzene	12.71	91	1148730	2.158	ppbv		99
59) m/p-Xylene	12.99	91	911647	1.966	ppbv	#	20
60) o-Xylene	13.69	91	928899	2.104	ppbv		99
61) Styrene	13.53	104	445624	2.047	ppbv		99
62) Isopropylbenzene	14.66	105	1310189	2.124	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.68	83	680067	1.968	ppbv		98
64) n-propylbenzene	15.55	120	326551	2.052	ppbv		92
65) tert-Butylbenzene	16.74	119	1178442	2.119	ppbv		99
66) Benzyl Chloride	16.98	91	25045	0.824	ppbv	#	70
67) sec-Butylbenzene	17.29	105	1614404	2.140	ppbv		98
69) p-Isopropyltoluene	17.65	119	1322652	2.146	ppbv		99
70) n-Butylbenzene	18.55	91	1256579	2.155	ppbv		99
71) 2-Chlorotoluene	15.45	91	909133	2.057	ppbv		100
72) 4-Ethyltoluene	15.84	105	1076311	2.124	ppbv		99
73) 1,3,5-Trimethylbenzene	15.99	105	961295	2.035	ppbv		96
74) 1,2,4-Trimethylbenzene	16.76	105	1049958	2.110	ppbv	#	93
75) 1,3-Dichlorobenzene	16.99	146	606471	1.962	ppbv		98
76) 1,4-Dichlorobenzene	17.14	146	572932	1.879	ppbv		97
77) 1,2-Dichlorobenzene	17.82	146	592916	2.022	ppbv		99
78) Hexachloro-1,3-Butadiene	23.37	225	317167	1.285	ppbv	#	48
79) Naphthalene	22.18	128	296862	0.972	ppbv		100
80) Naphthalene,2-methyl-	24.97	142	256671	3.676	ppbv		95
81) 1,2,4-Trichlorobenzene	21.92	180	421787	2.150	ppbv		98

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

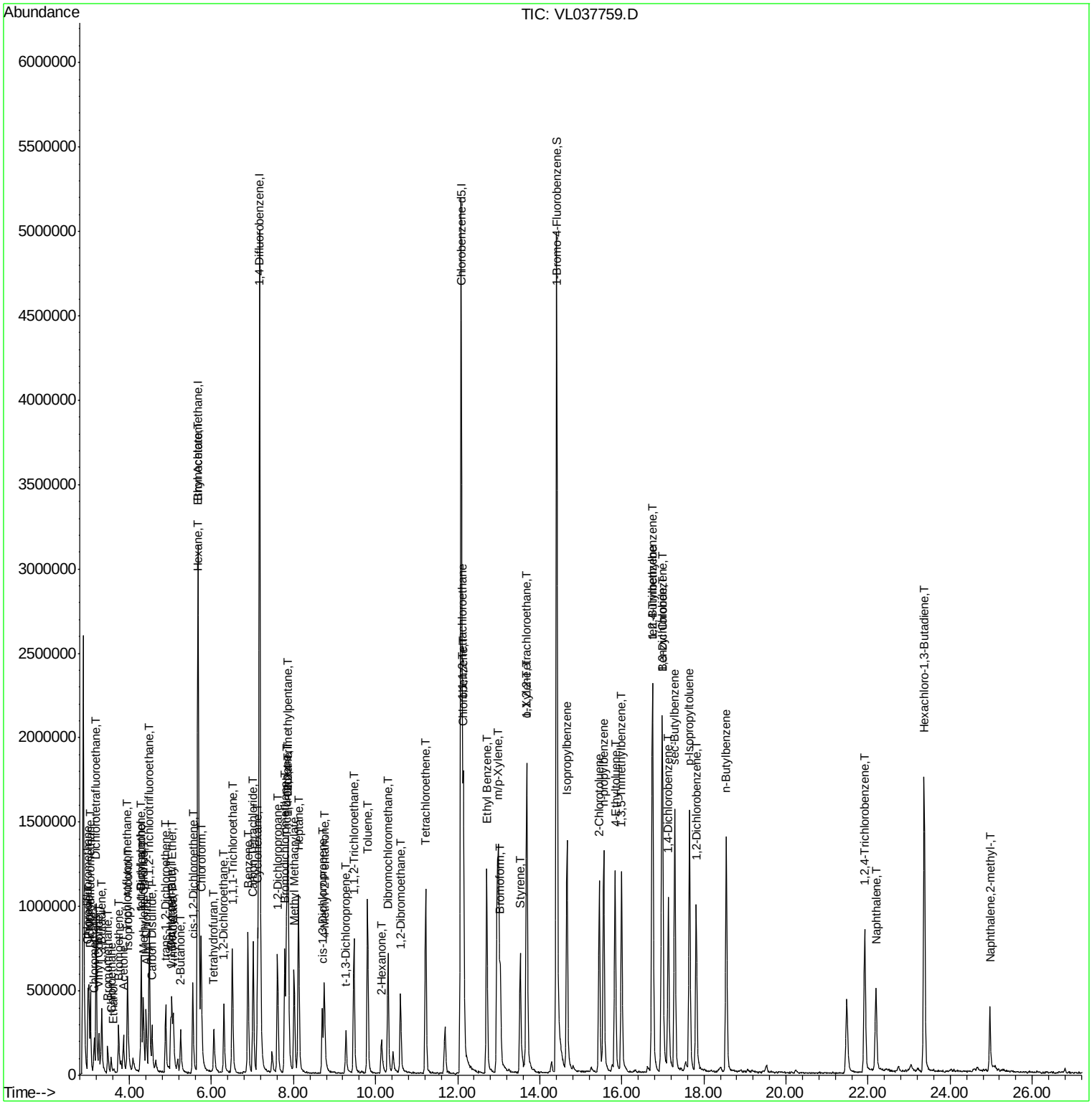
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

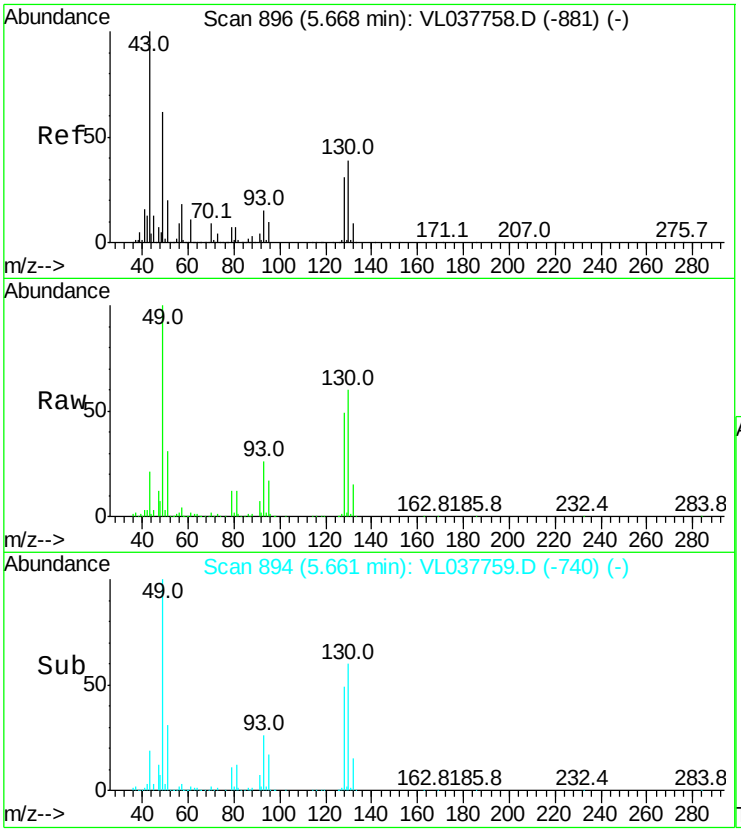
Quantitation Report (Not Reviewed)

Data File : VL037759.D
Acq On : 4 Oct 2021 12:18
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Oct 04 12:52:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration



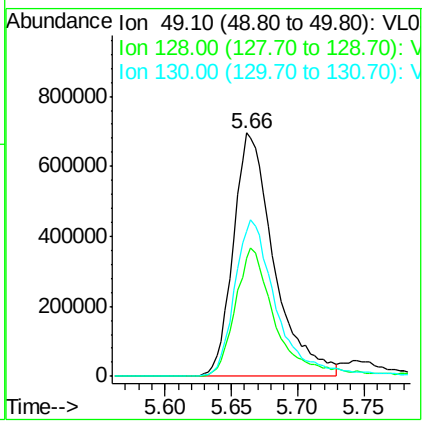


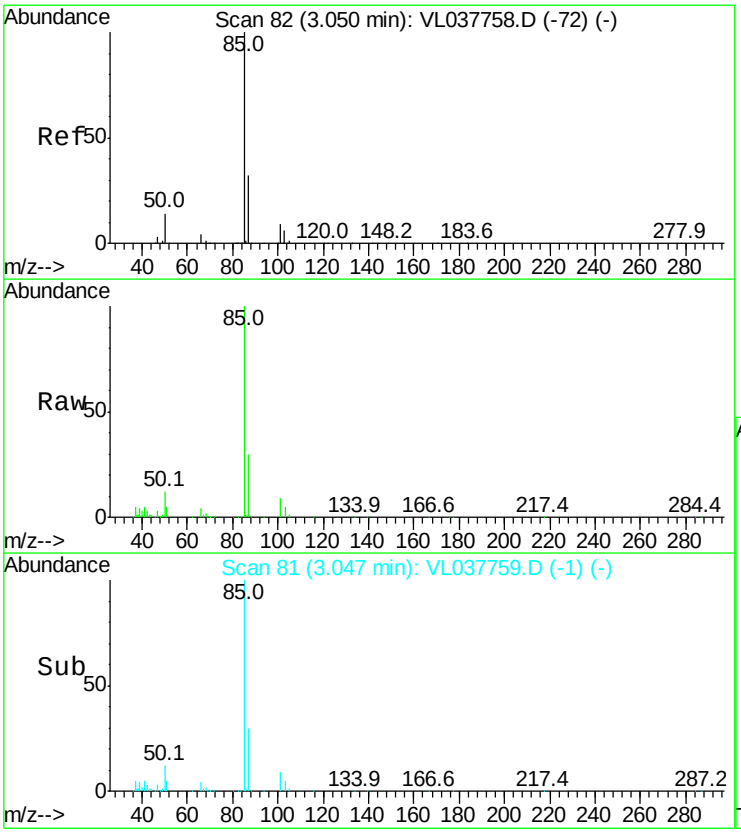
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 4 Oct 2021 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1486157

Ion	Ratio	Lower	Upper
49	100		
128	53.0	27.1	81.3
130	66.5	33.2	99.6

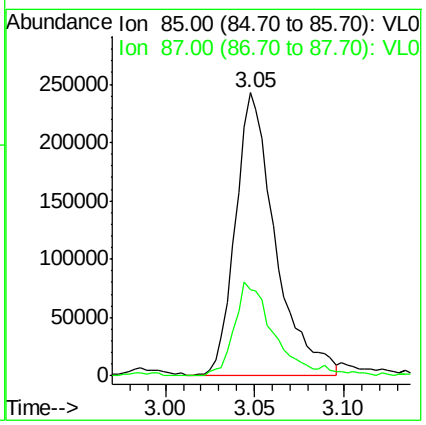


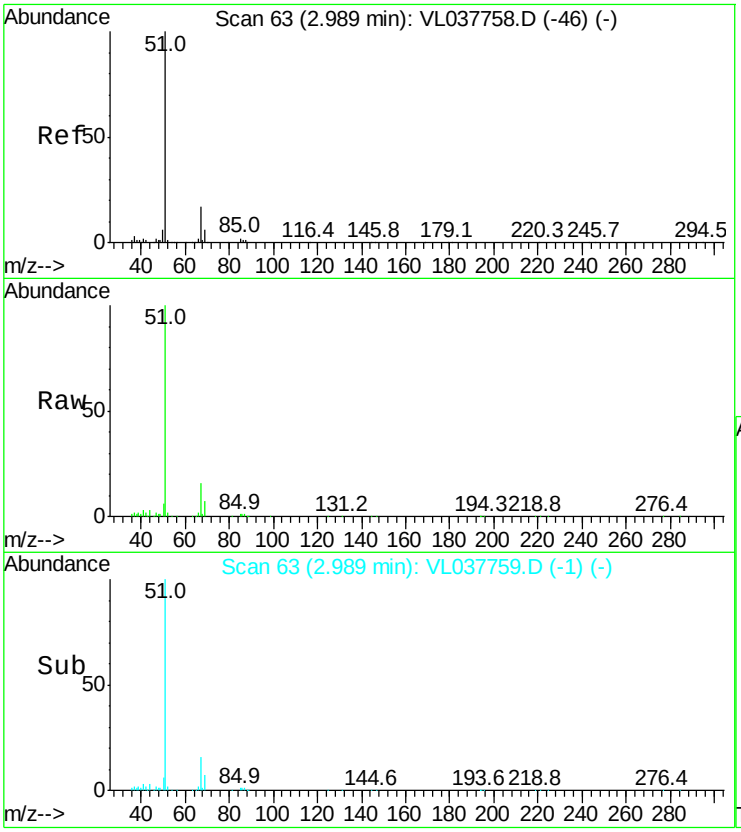


#2
Dichlorodifluoromethane
Concen: 1.410 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL037759.D
Acq: 4 Oct 2021 12:18

Tgt Ion: 85 Resp: 379093

Ion	Ratio	Lower	Upper
85	100		
87	29.9	25.7	38.5



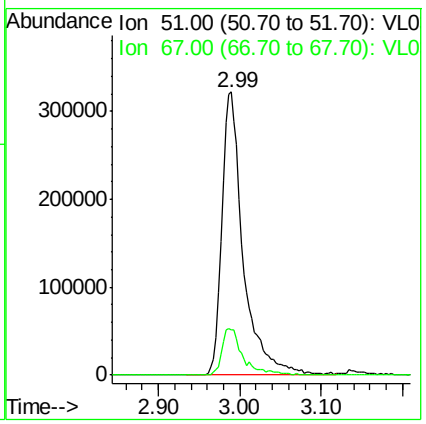


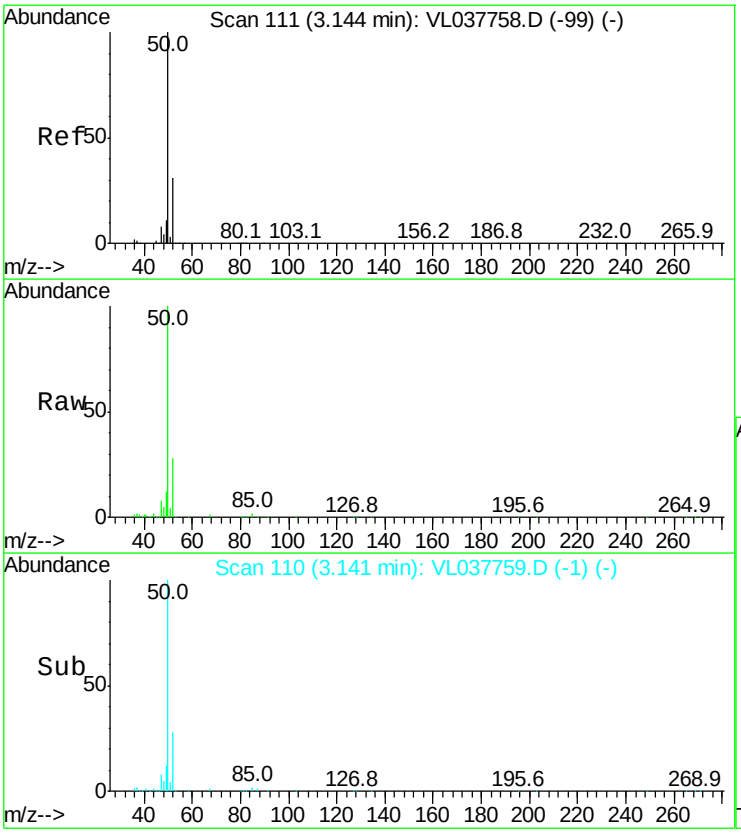
#3
Chlorodifluoromethane
Concen: 2.131 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 4 Oct 2021 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 597383

Ion	Ratio	Lower	Upper
51	100		
67	16.4	13.5	20.3

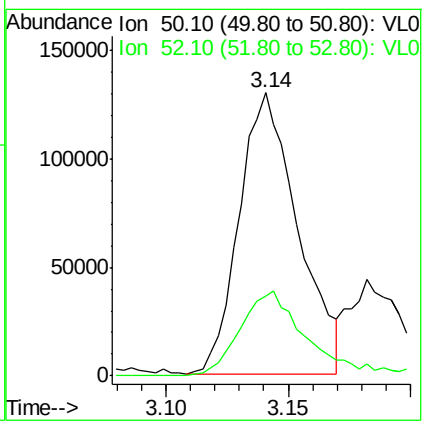


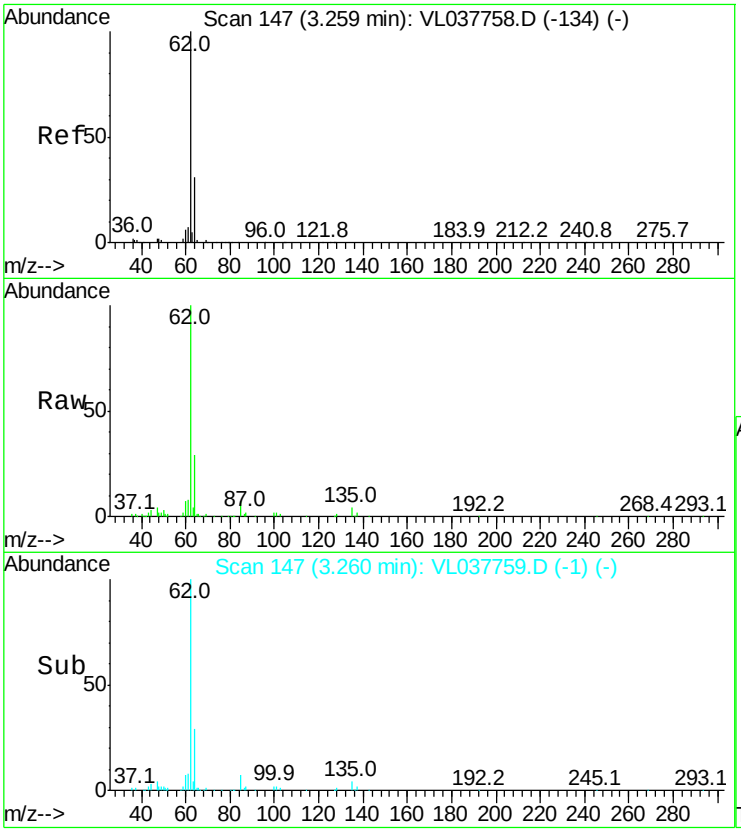


#4
Chloromethane
Concen: 2.081 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL037759.D
Acq: 4 Oct 2021 12:18

Tgt Ion: 50 Resp: 215535

Ion	Ratio	Lower	Upper
50	100		
52	28.6	24.4	36.6



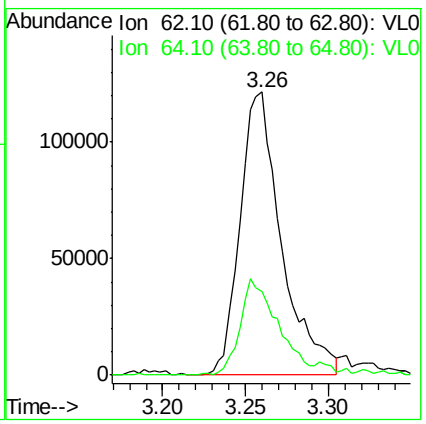


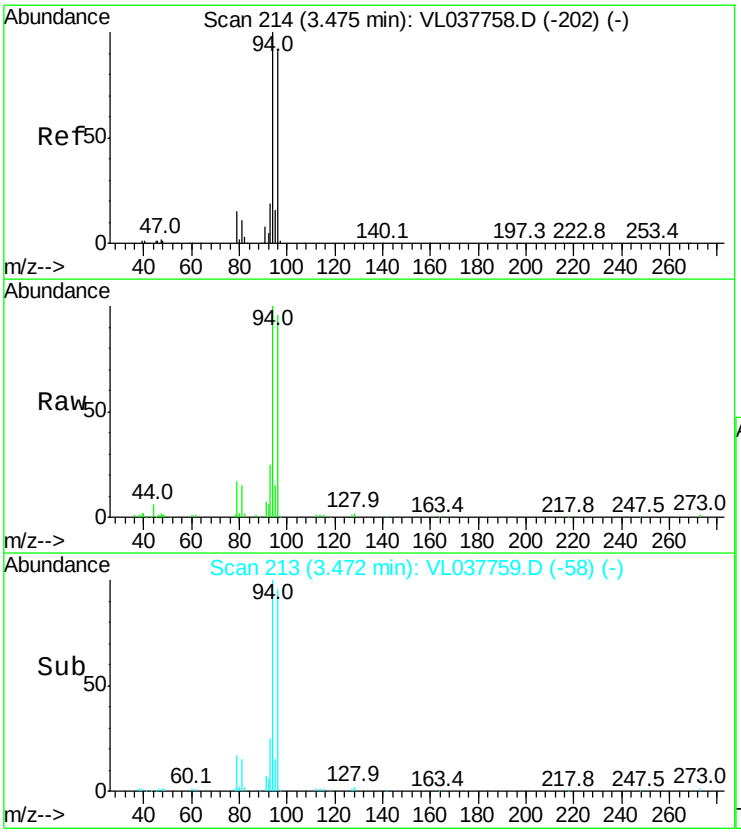
#5
Vinyl Chloride
Concen: 2.180 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 4 Oct 2021 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 212062

Ion	Ratio	Lower	Upper
62	100		
64	29.4	24.9	37.3

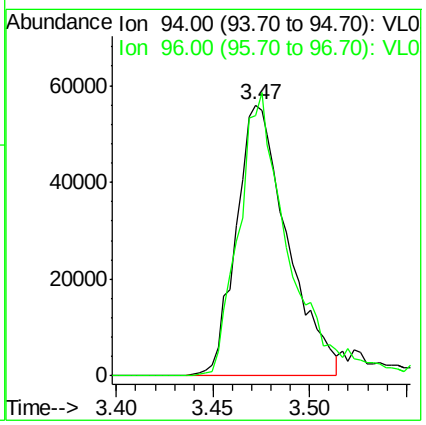


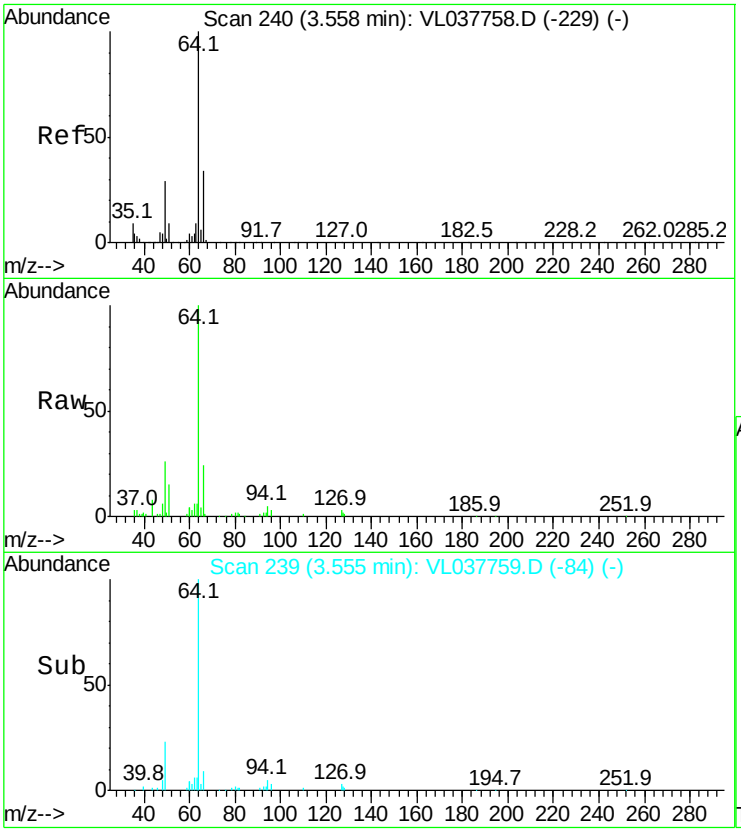


#6
Bromomethane
Concen: 1.819 ppbv
RT: 3.47 min Scan# 213
Delta R.T. -0.00 min
Lab File: VL037759.D
Acq: 4 Oct 2021 12:18

Tgt Ion: 94 Resp: 102844

Ion	Ratio	Lower	Upper
94	100		
96	96.2	72.5	108.7



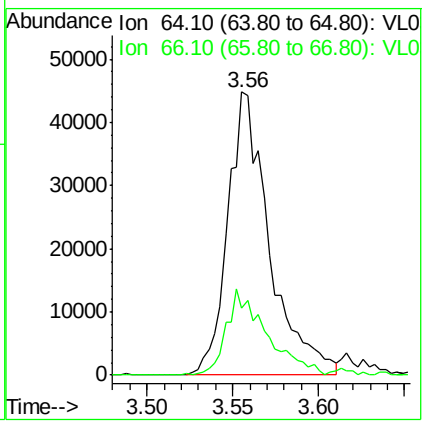


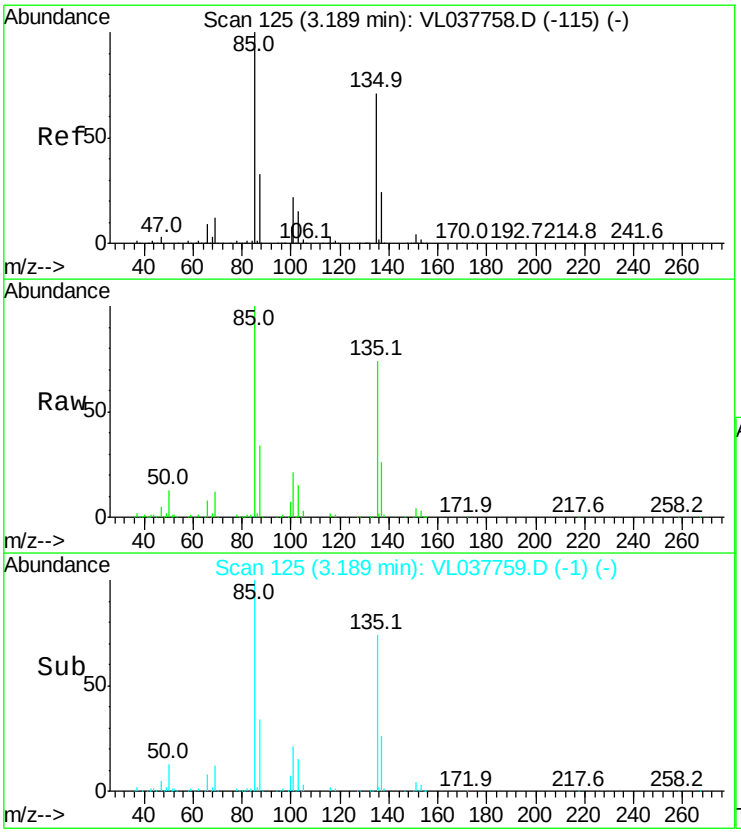
#7
Chloroethane
Concen: 2.081 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 4 Oct 2021 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 75647

Ion	Ratio	Lower	Upper
64	100		
66	22.9	27.5	41.3#

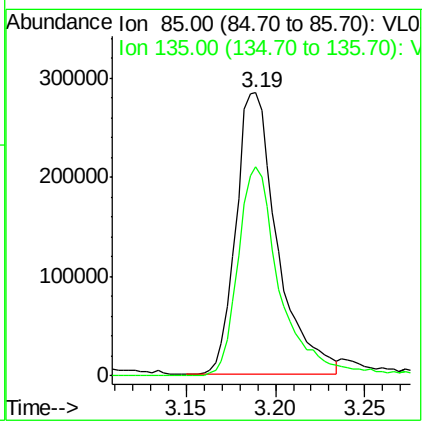


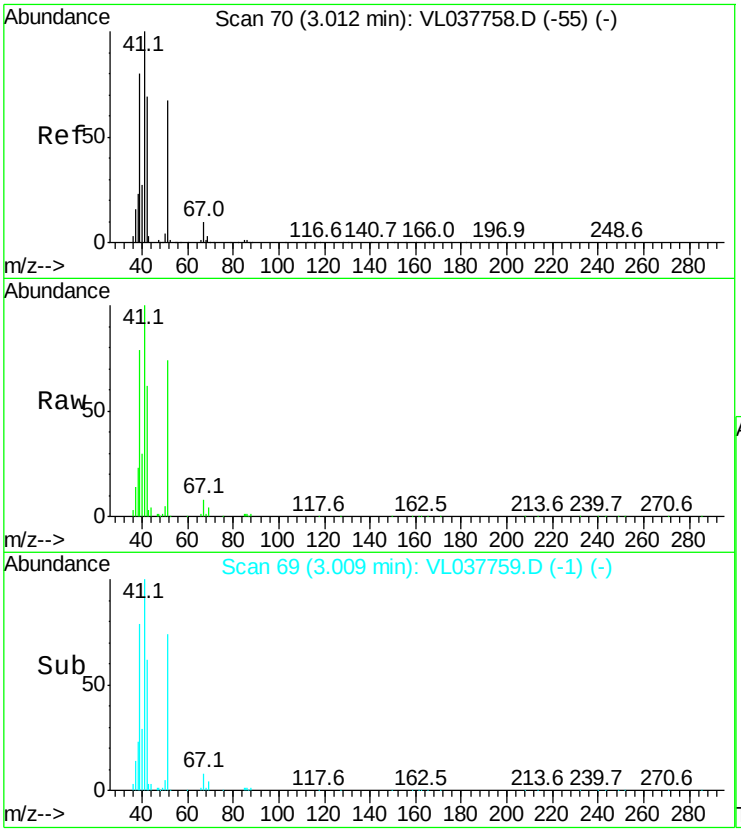


#8
Dichlorotetrafluoroethane
Concen: 2.000 ppbv
RT: 3.19 min Scan# 125
Delta R.T. 0.00 min
Lab File: VL037759.D
Acq: 4 Oct 2021 12:18

Tgt Ion: 85 Resp: 463937

Ion	Ratio	Lower	Upper
85	100		
135	76.8	59.5	89.3



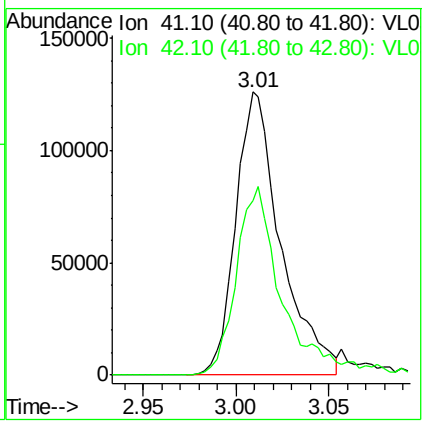


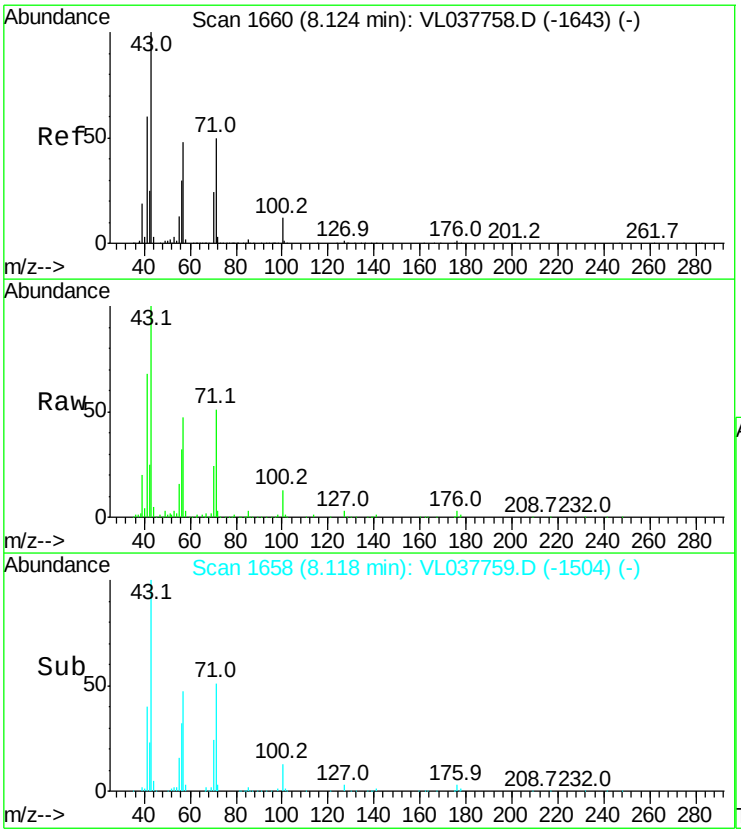
#9
Propene
Concen: 2.148 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 4 Oct 2021 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 212359

Ion	Ratio	Lower	Upper
41	100		
42	69.3	54.2	81.2





#10
Heptane
Concen: 2.159 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL037759.D
Acq: 4 Oct 2021 12:18

Tgt Ion: 43 Resp: 498076

Ion	Ratio	Lower	Upper
43	100		
57	51.9	40.0	60.0