Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050620\

Quantitation Report (Not Reviewed)

Data File : VL034940.D
Acq On : 6 May 2020 12:42
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: May 06 13:29:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 12:36:21 2020
QLast Update : Wed May 06 12:36:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1177469	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2671347	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	2474975	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2085778	10.81	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	23493	0.146	ppbv		100
3) Chlorodifluoromethane	2.95	51	16196	0.123	ppbv		97
4) Chloromethane	3.11	50	9462	0.127	ppbv	#	85
5) Vinyl Chloride	3.22	62	7202	0.101	ppbv		94
6) Bromomethane	3.44	94	4156	0.100	ppbv	#	56
7) Chloroethane	3.53	64	2913	0.113	ppbv		99
8) Dichlorotetrafluoroethane	3.15	85	19235	0.115	ppbv		98
9) Propene	2.97	41	5796	0.092	ppbv	#	81
11) Trichlorofluoromethane	3.92	101	17812	0.104	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	8193	0.068	ppbv	#	48
13) Ethanol	3.58	45	1107	0.058	ppbv	#	39
14) Bromoethene	3.71	108	2502	0.048	ppbv	#	6
15) Acetone	3.84	43	37972	0.249	ppbv	#	80
18) 1,1-Dichloroethene	4.27	96	2652	0.050	ppbv	#	76
20) Methylene Chloride	4.33	84	6353	0.132	ppbv		89
21) Allyl Chloride	4.39	41	8966	0.091	ppbv	#	85
24) 1,1-Dichloroethane	5.00	63	13563	0.090	ppbv		96
25) Ethyl Acetate	5.68	43	25170	0.093	ppbv	#	95
26) Hexane	5.68	57	3696	0.032	ppbv	#	1
29) Chloroform	5.75	83	10734	0.060	ppbv		89
31) cis-1,2-Dichloroethene	5.54	61	6922	0.058	ppbv	#	87
32) 1,1,1-Trichloroethane	6.51	97	10608	0.061	ppbv	#	35
37) 1,2-Dichloroethane	6.31	62	8197	0.061	ppbv	#	75
39) 1,2-Dichloropropane	7.18	63	737364	7.816	ppbv	#	25
46) cis-1,3-Dichloropropene	8.72	75	4908	0.035	ppbv	#	73
48) Dibromochloromethane	10.32	129	6144	0.039	ppbv	#	23
52) Tetrachloroethene	11.25	164	3190	0.034	ppbv	#	27
56) 1,1,1,2-Tetrachloroethane	12.17	131	3739	0.034	ppbv	#	1
57) Chlorobenzene	12.19	112	9117	0.047	ppbv	#	45
77) 1,2-Dichlorobenzene	17.87	146	8835	0.048	ppbv	#	41
78) Hexachloro-1,3-Butadiene	23.43	225	8865	0.058	ppbv	#	1
79) Naphthalene	22.28	128	8833	0.036	ppbv	#	91

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

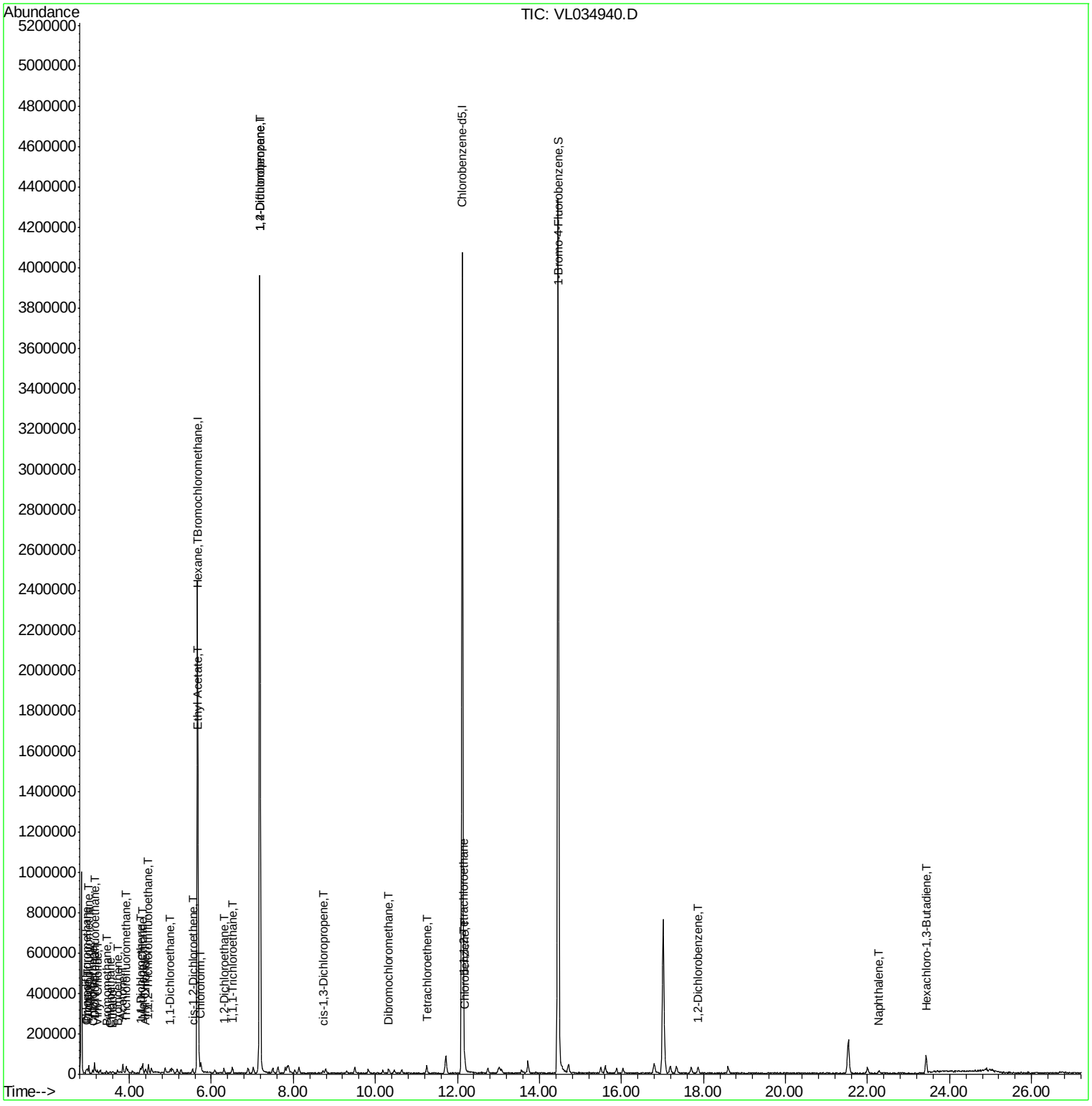
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050620\

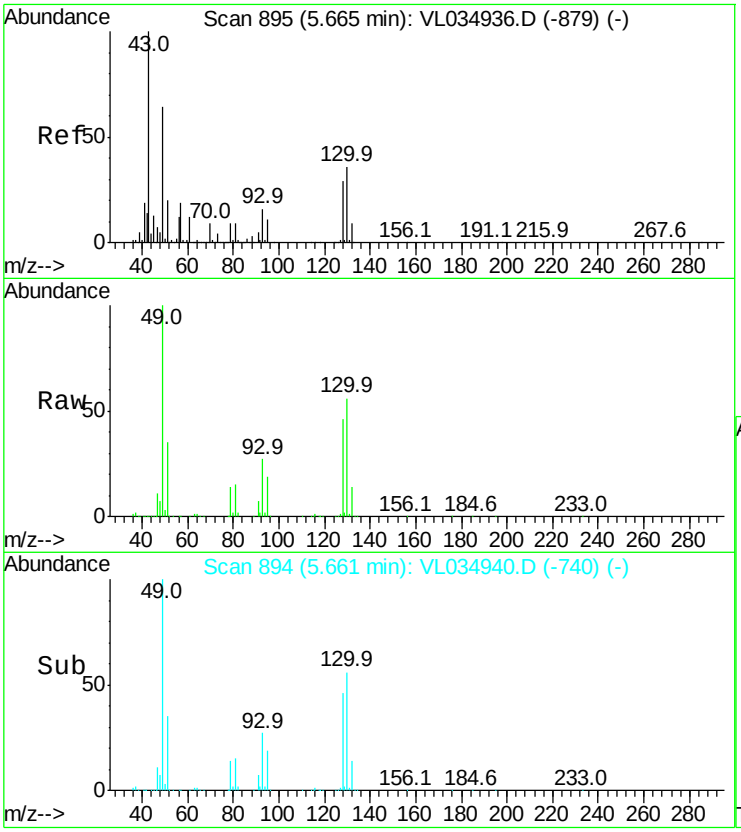
Quantitation Report (Not Reviewed)

Data File : VL034940.D
Acq On : 6 May 2020 12:42
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: May 06 13:29:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 12:36:21 2020
QLast Update : Wed May 06 12:36:21 2020
Response via : Initial Calibration



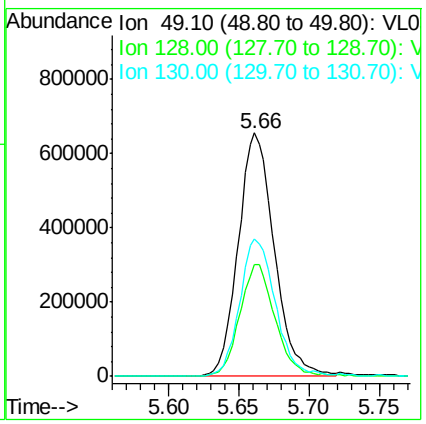


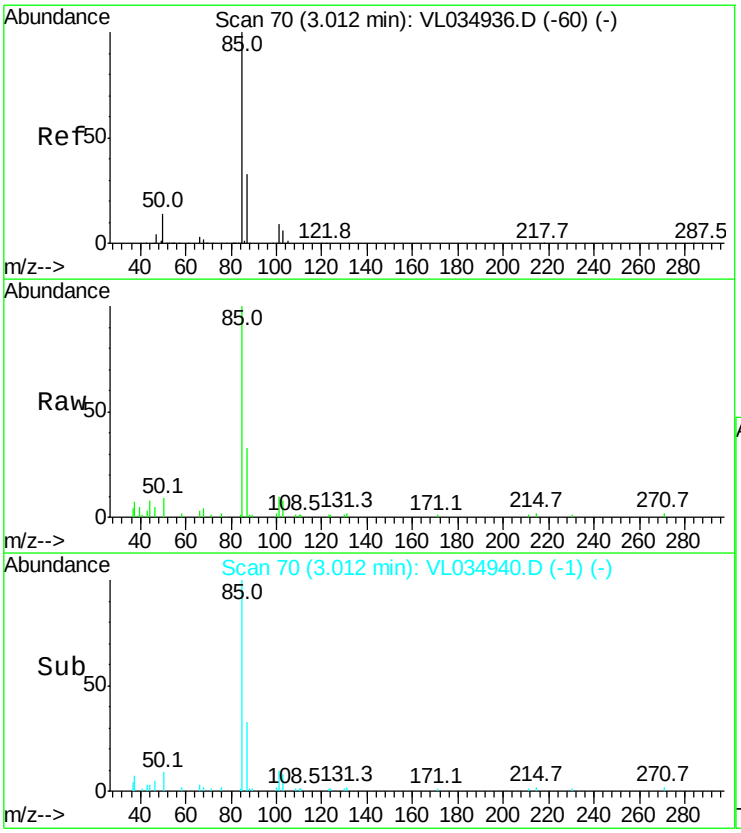
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 1177469

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.1	66.5
130	56.6	29.1	87.3

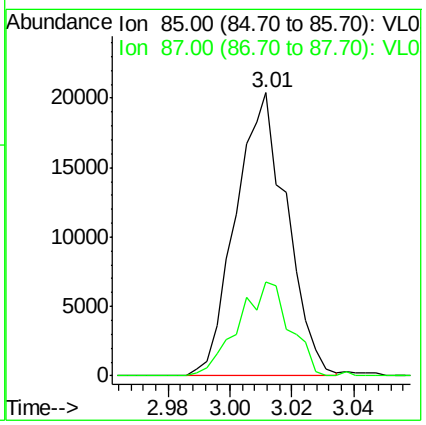


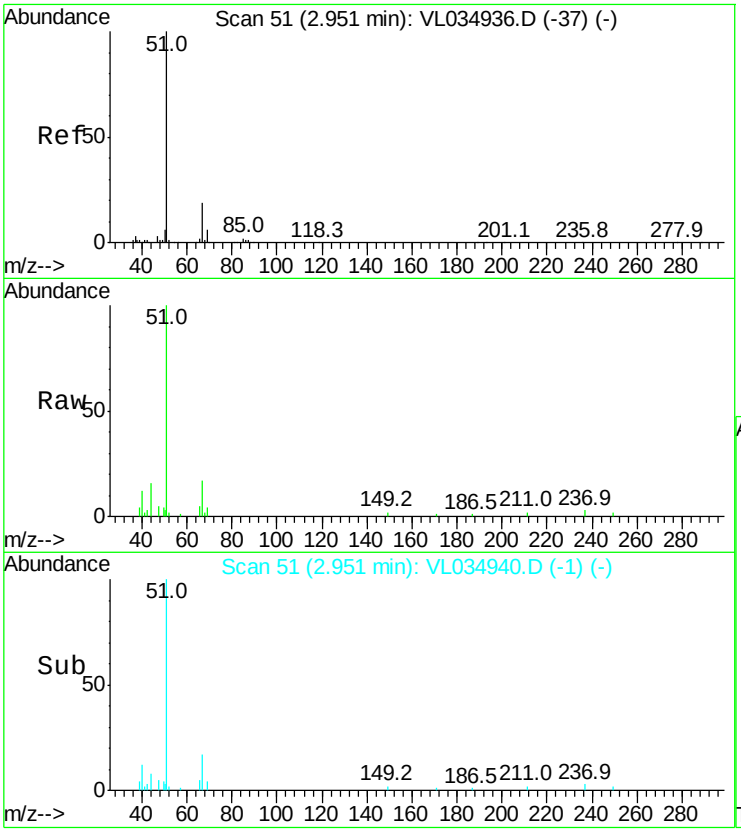


#2
Dichlorodifluoromethane
Concen: 0.146 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 85 Resp: 23493

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.2	39.2



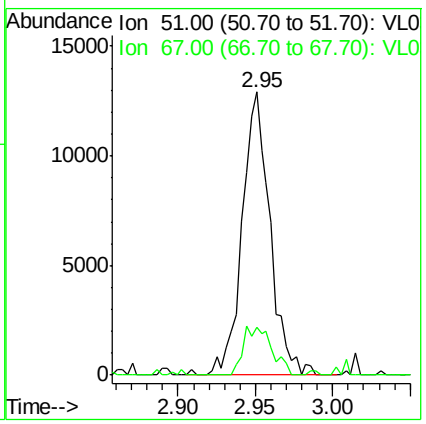


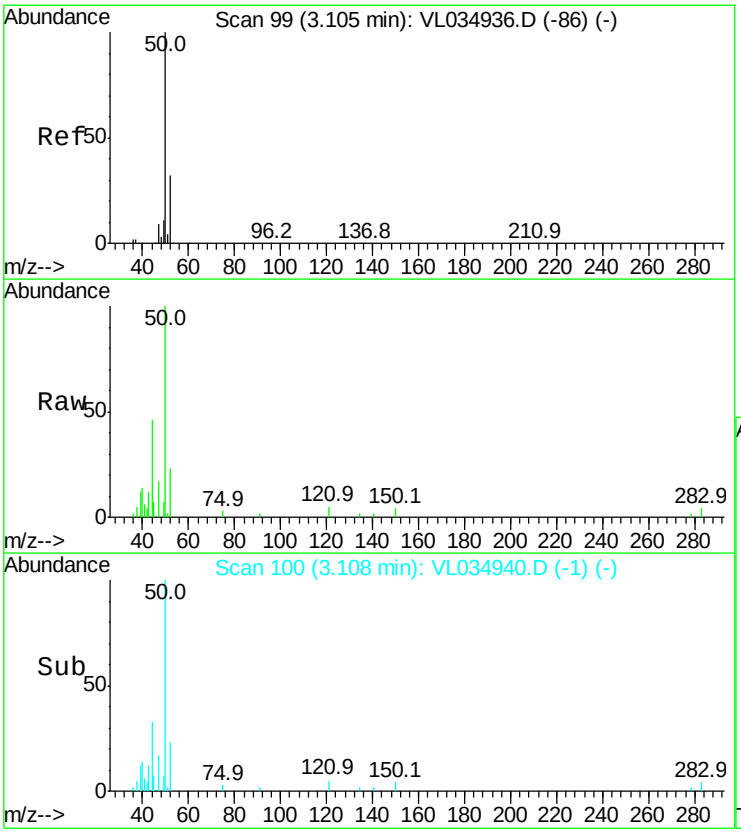
#3
Chlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.95 min Scan# 51
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 16196

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.0	22.6

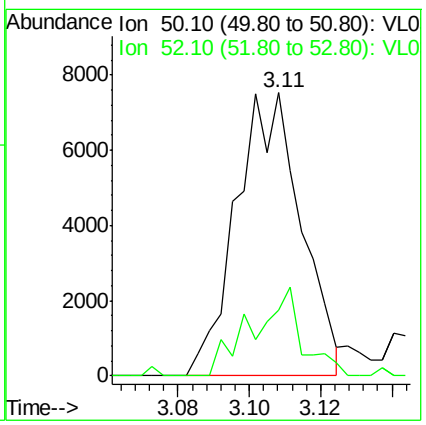


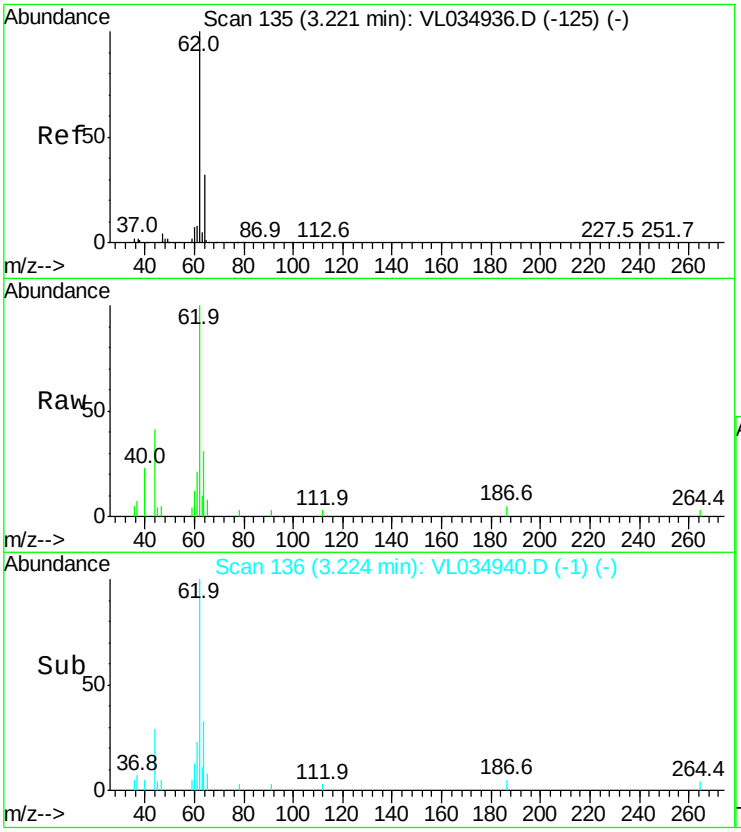


#4
Chloromethane
Concen: 0.127 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 50 Resp: 9462

Ion	Ratio	Lower	Upper
50	100		
52	23.3	25.4	38.2#



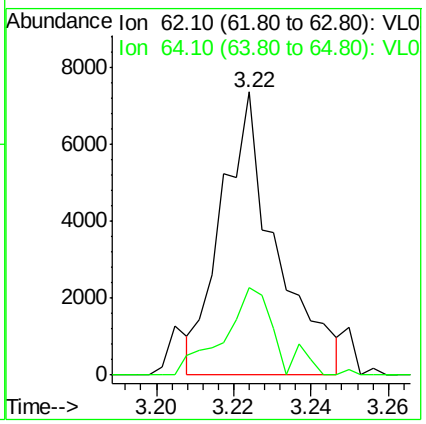


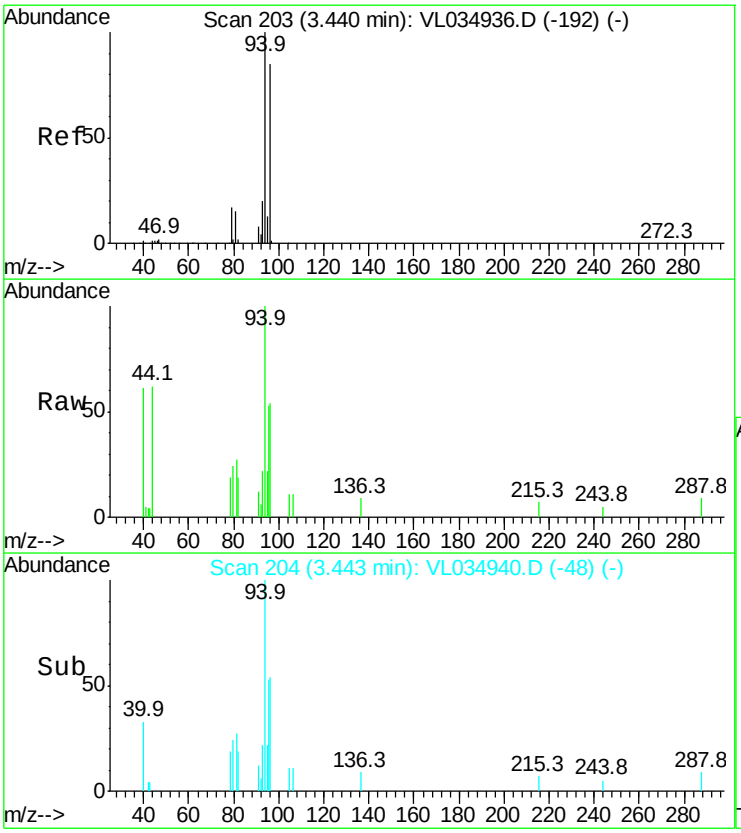
#5
Vinyl Chloride
Concen: 0.101 ppbv
RT: 3.22 min Scan# 136
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 7202

Ion	Ratio	Lower	Upper
62	100		
64	35.6	25.7	38.5

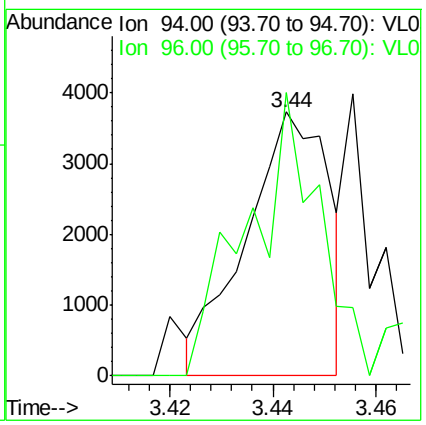


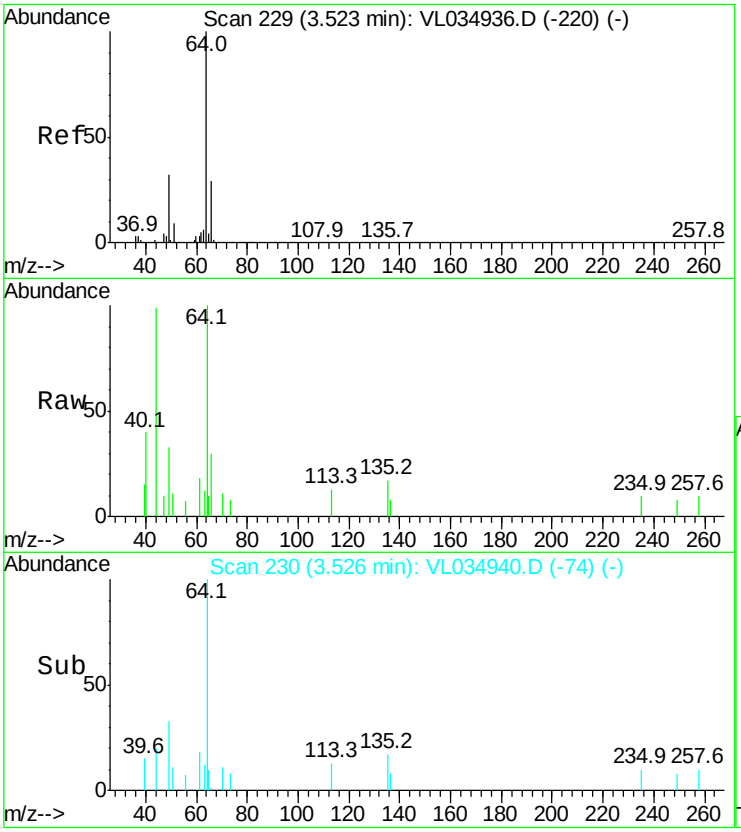


#6
Bromomethane
Concen: 0.100 ppbv
RT: 3.44 min Scan# 204
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 94 Resp: 4156

Ion	Ratio	Lower	Upper
94	100		
96	124.9	67.9	101.9#



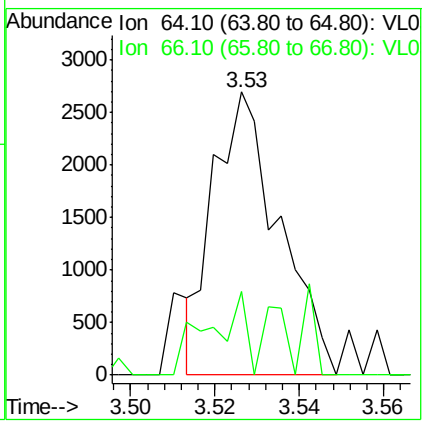


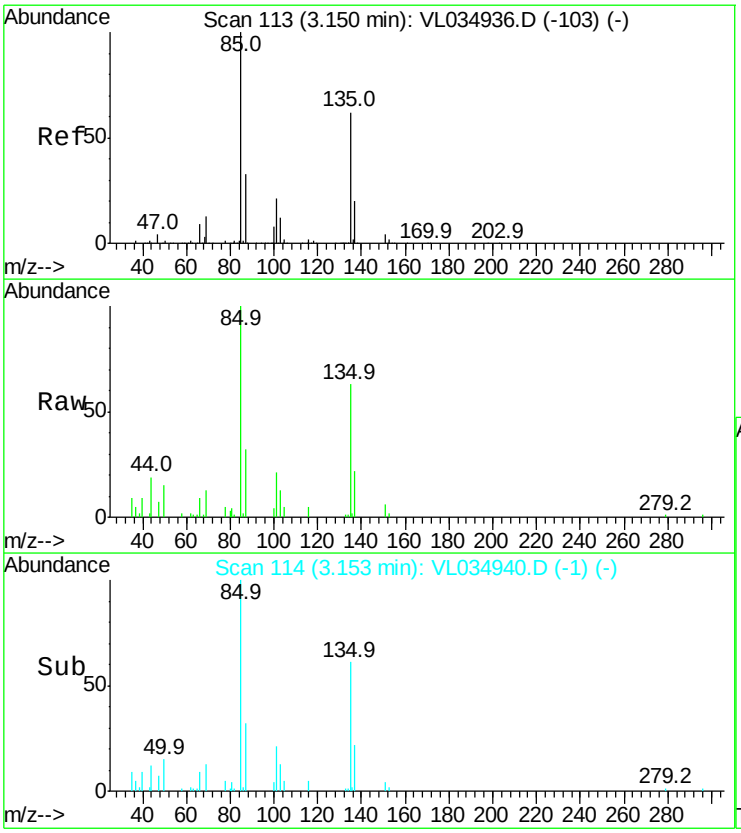
#7
Chloroethane
Concen: 0.113 ppbv
RT: 3.53 min Scan# 230
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 2913

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.2	34.8

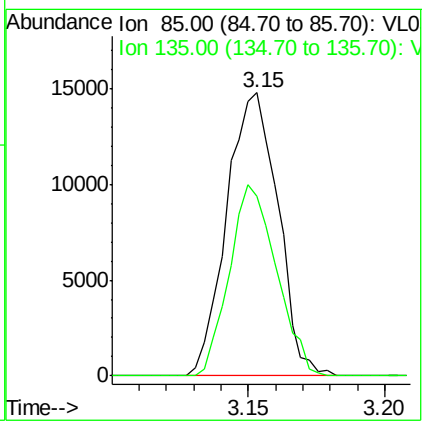


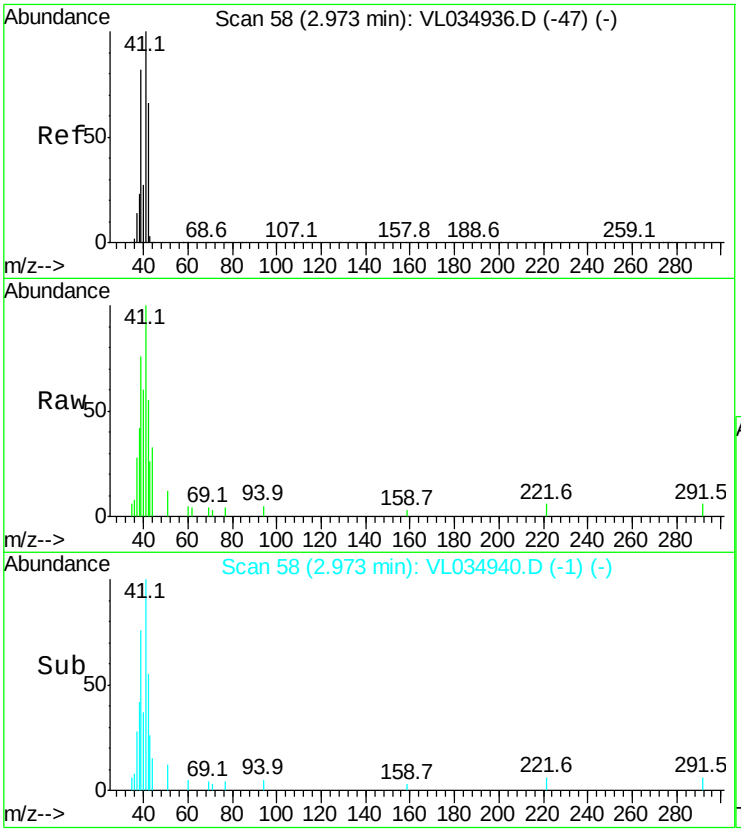


#8
Dichlorotetrafluoroethane
Concen: 0.115 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 85 Resp: 19235

Ion	Ratio	Lower	Upper
85	100		
135	62.1	50.9	76.3



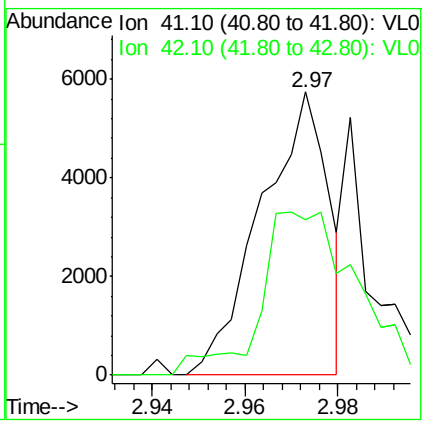


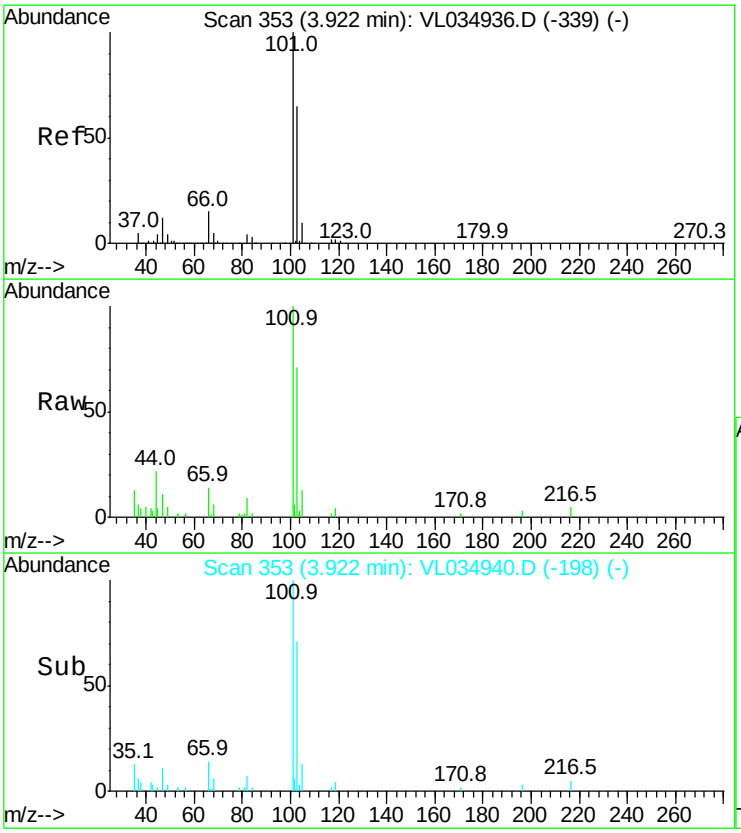
#9
Propene
Concen: 0.092 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 5796

Ion	Ratio	Lower	Upper
41	100		
42	83.4	54.5	81.7#

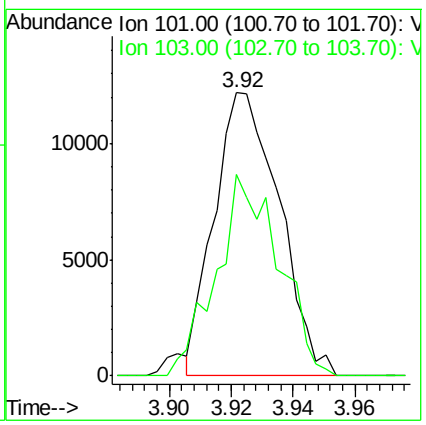


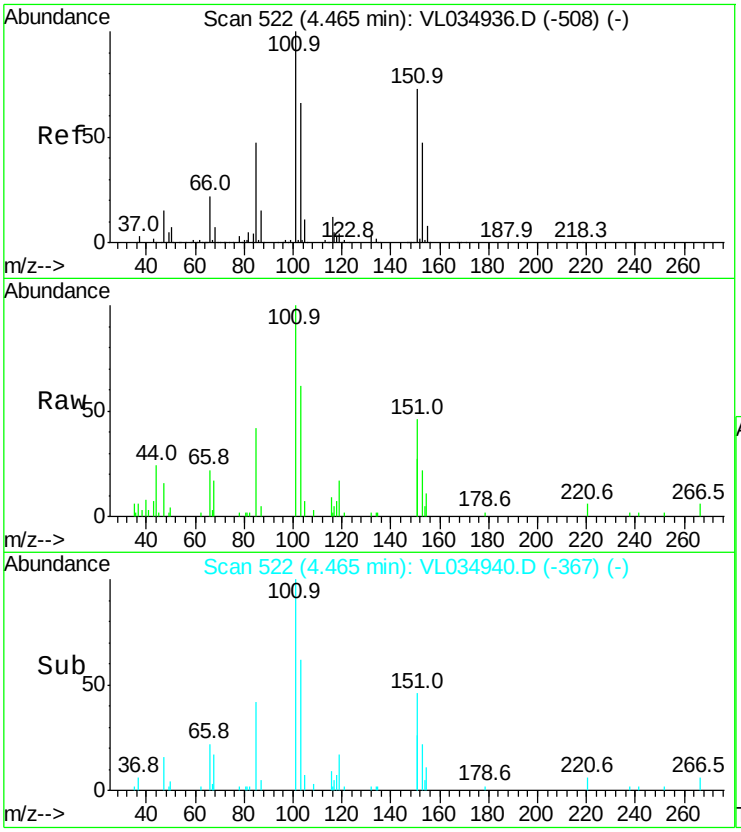


#11
Trichlorofluoromethane
Concen: 0.104 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion:101 Resp: 17812

Ion	Ratio	Lower	Upper
101	100		
103	71.1	51.9	77.9



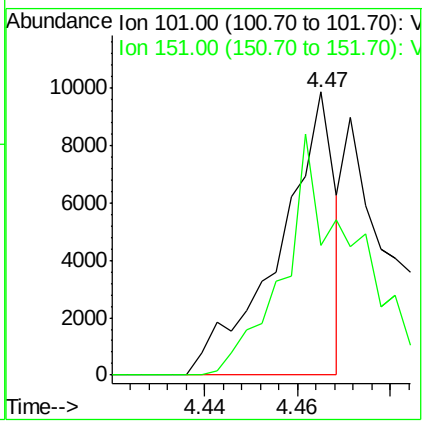


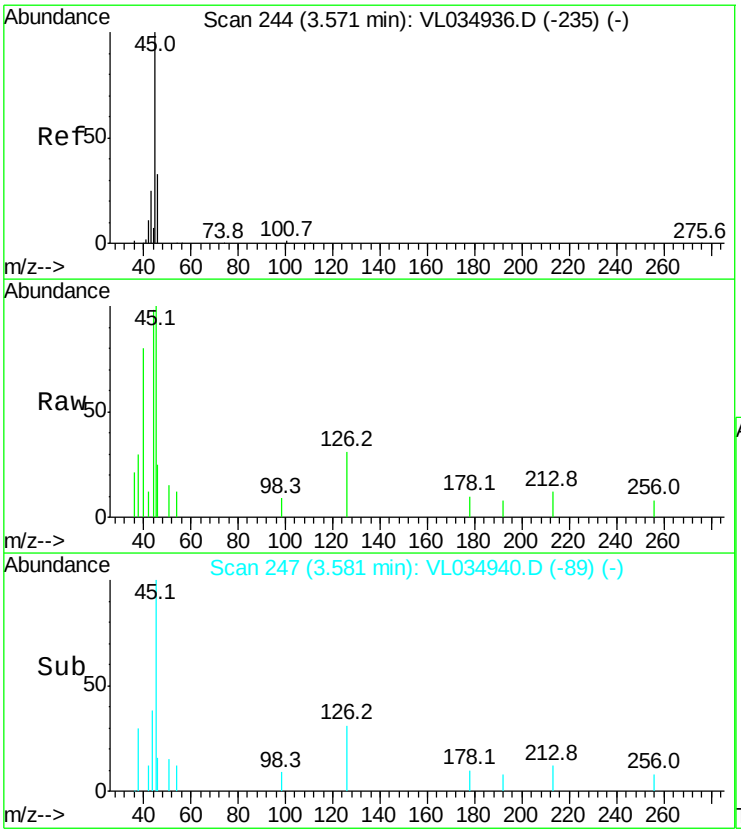
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.068 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 8193

Ion	Ratio	Lower	Upper
101	100		
151	115.1	57.6	86.4#

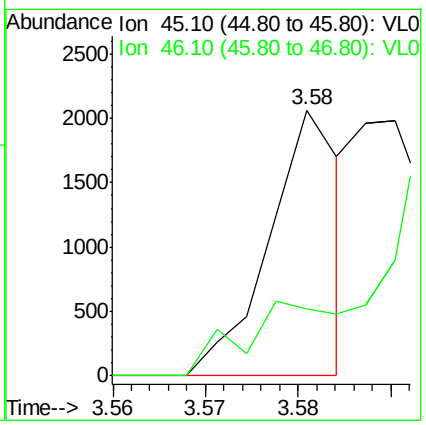


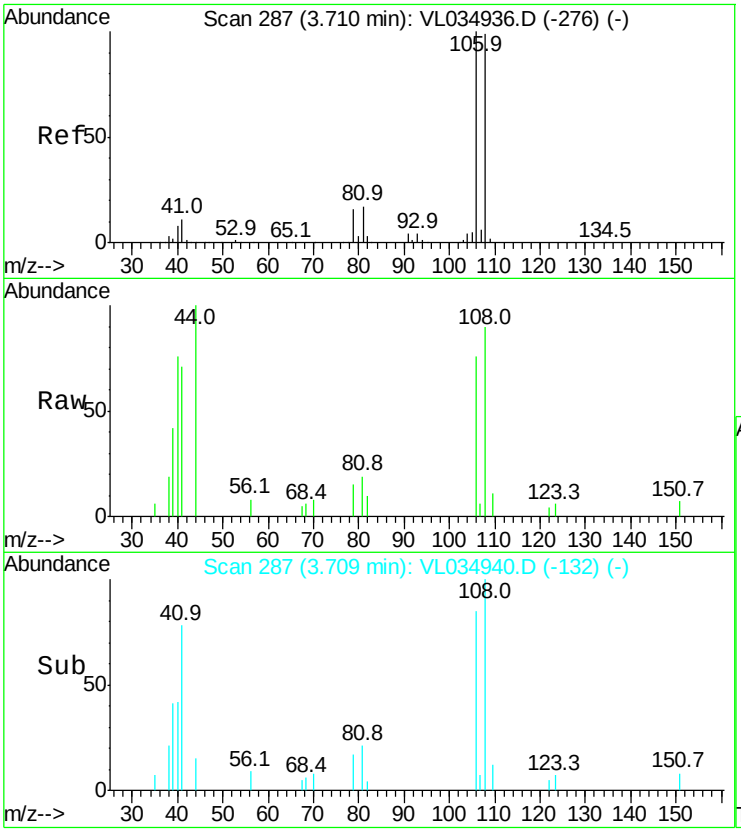


#13
Ethanol
Concen: 0.058 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 45 Resp: 1107

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.3	57.3#



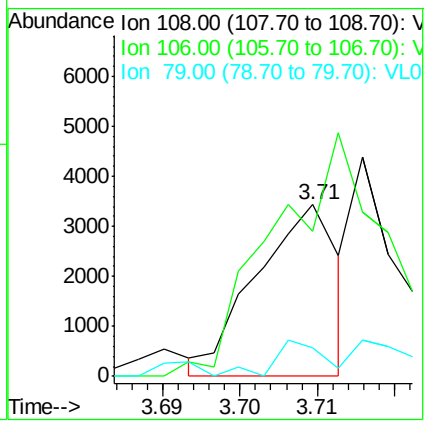


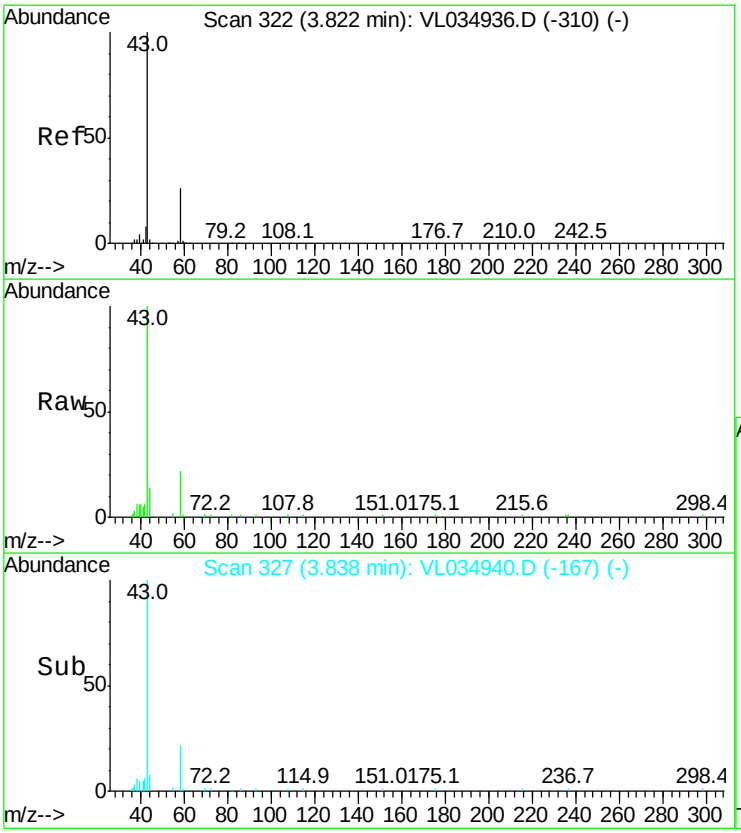
#14
Bromoethene
Concen: 0.048 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:108 Resp: 2502

Ion	Ratio	Lower	Upper
108	100		
106	0.0	84.9	127.3#
79	0.0	14.1	21.1#

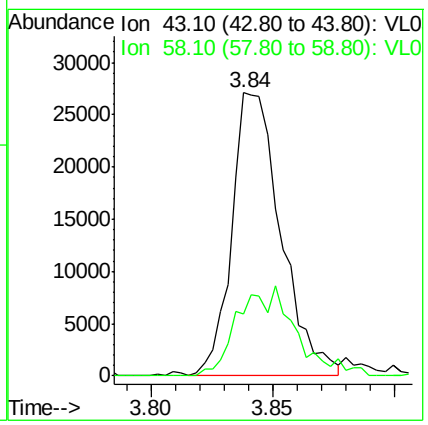


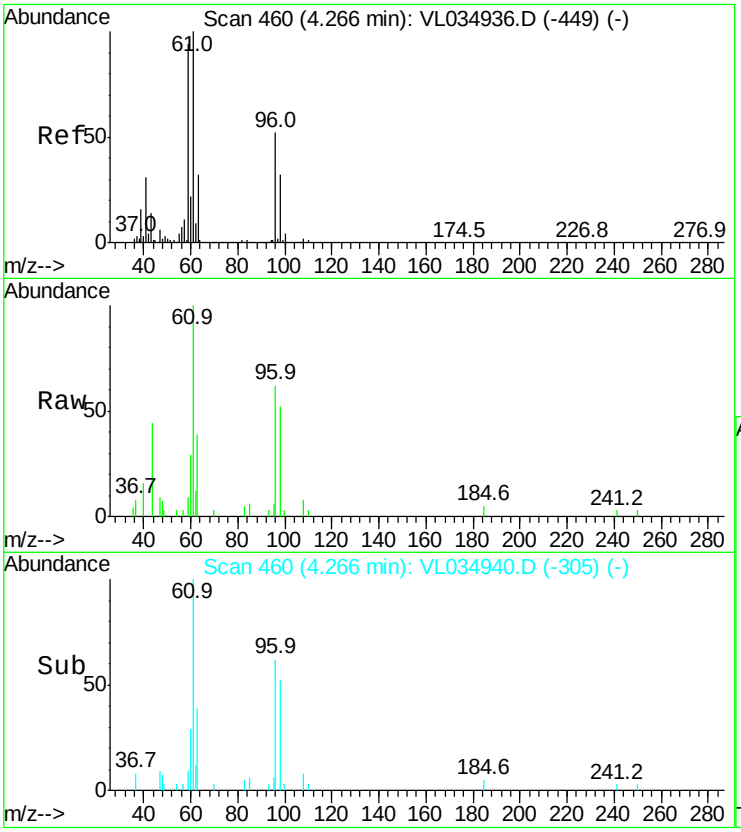


#15
Acetone
Concen: 0.249 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 43 Resp: 37972

Ion	Ratio	Lower	Upper
43	100		
58	37.6	21.7	32.5#



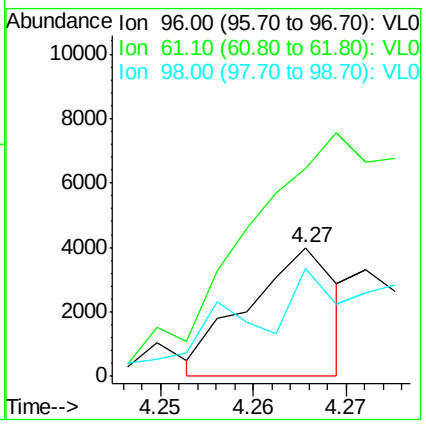


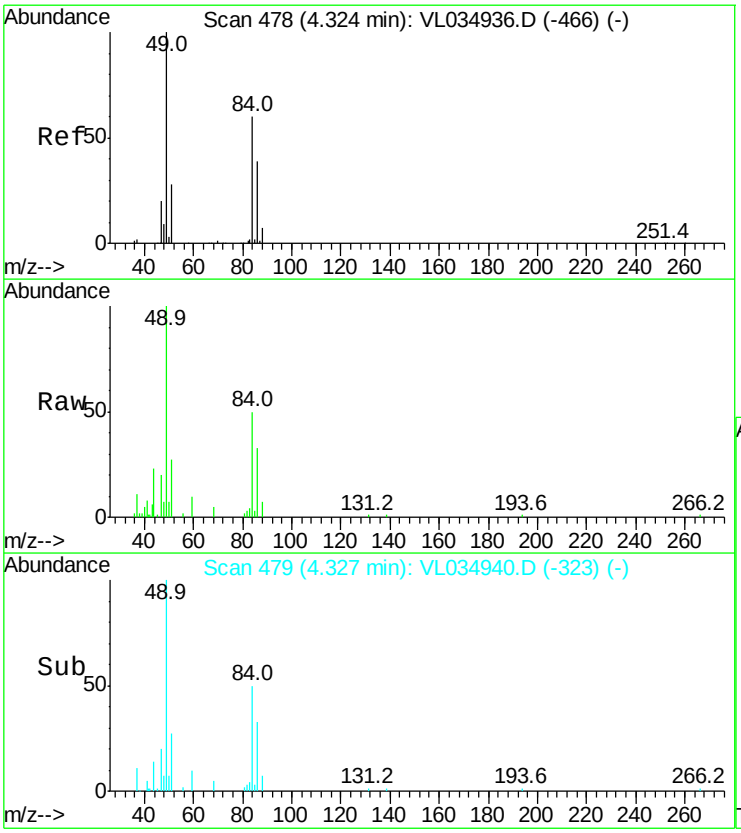
#18
1,1-Dichloroethene
Concen: 0.050 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 2652

Ion	Ratio	Lower	Upper
96	100		
61	150.8	152.4	228.6#
98	73.4	48.8	73.2#

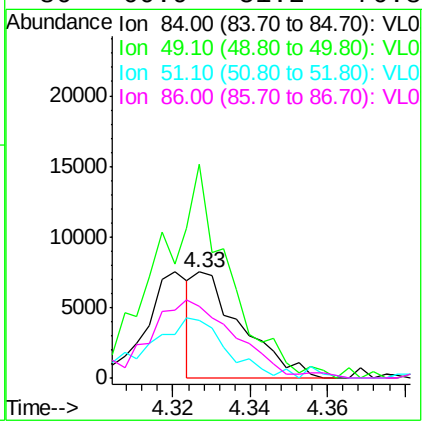


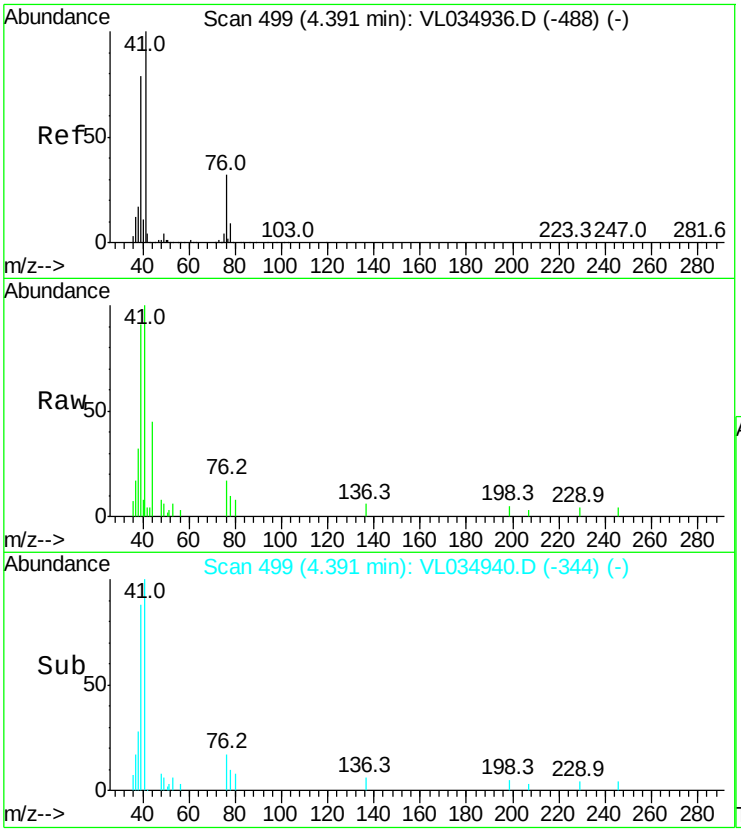


#20
Methylene Chloride
Concen: 0.132 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 84 Resp: 6353

Ion	Ratio	Lower	Upper
84	100		
49	188.6	132.5	198.7
51	48.4	38.4	57.6
86	60.9	51.2	76.8



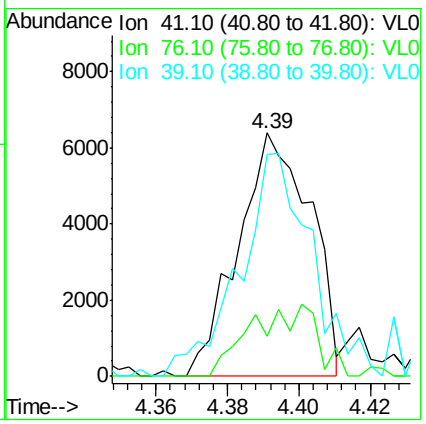


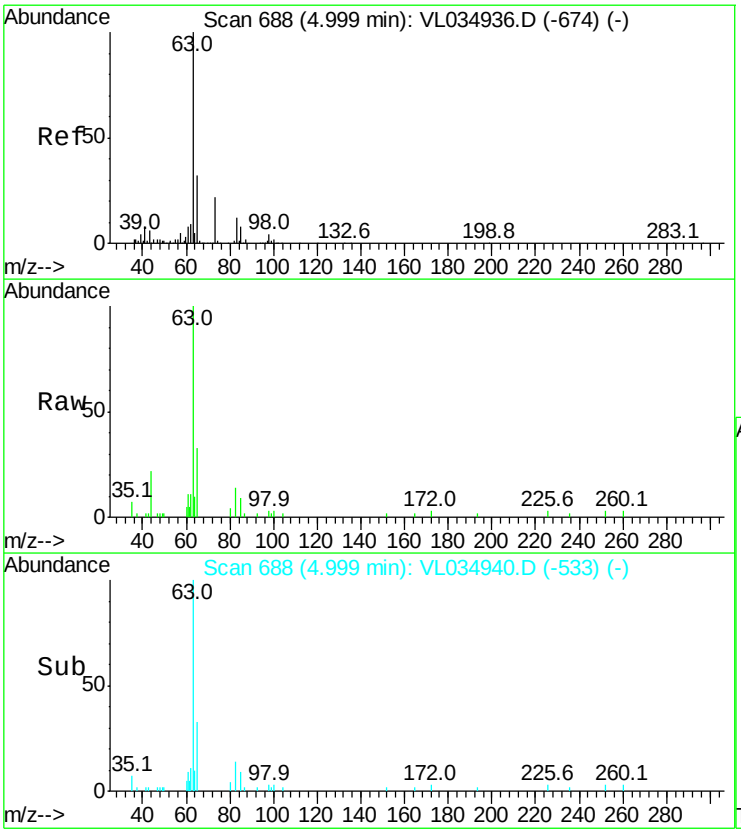
#21
Allyl Chloride
Concen: 0.091 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 8966

Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.6	35.4
39	94.9	61.9	92.9#

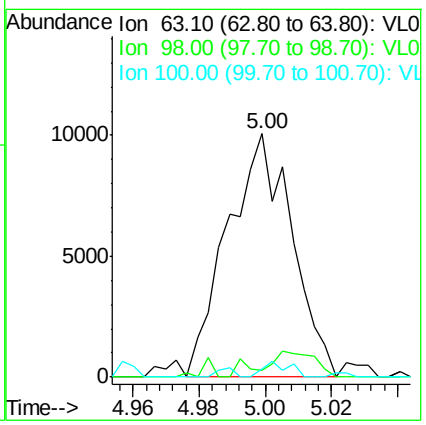


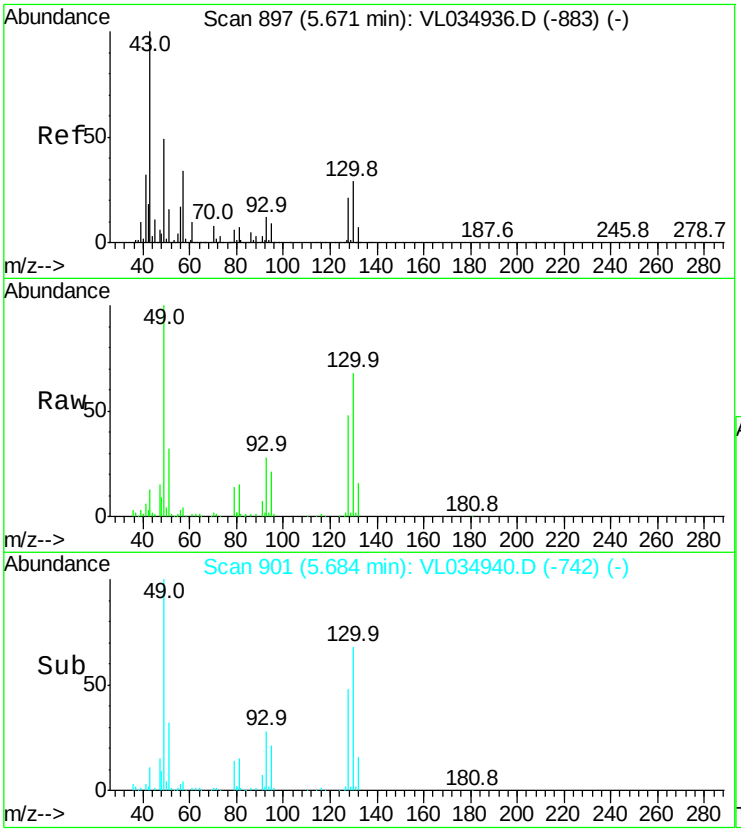


#24
1,1-Dichloroethane
Concen: 0.090 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 63 Resp: 13563

Ion	Ratio	Lower	Upper
63	100		
98	2.5	2.0	6.0
100	2.9	1.1	3.5



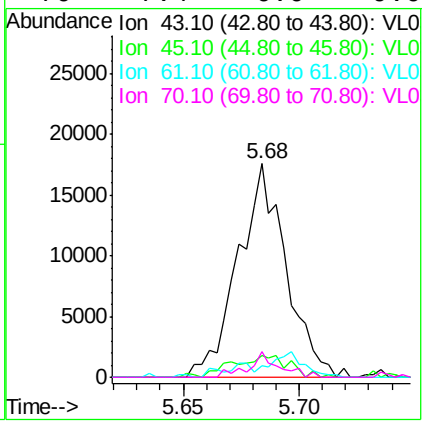


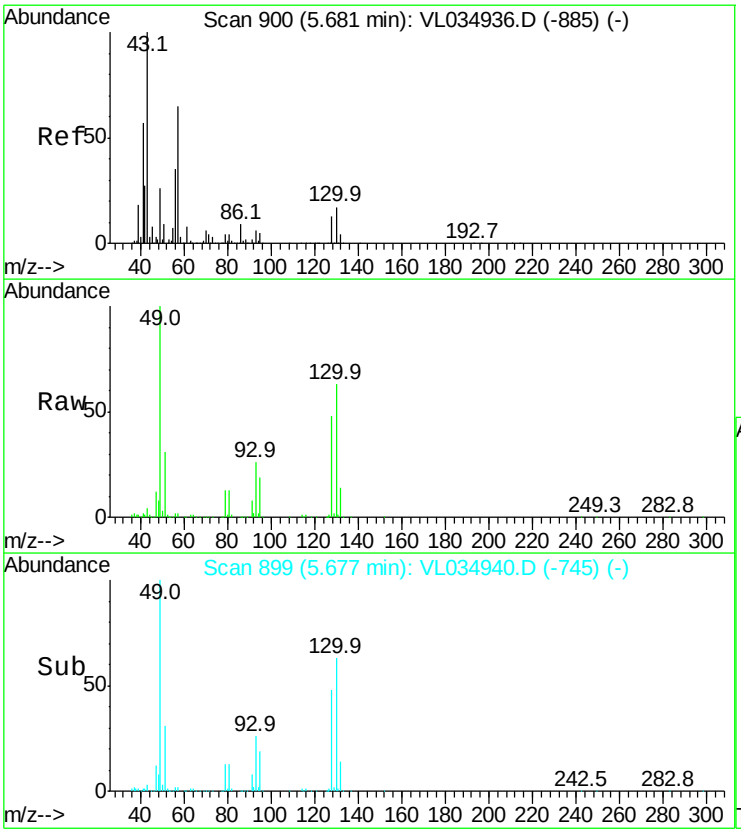
#25
Ethyl Acetate
Concen: 0.093 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 25170

Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.1	12.1#
61	12.5	7.8	11.8#
70	7.4	6.0	9.0





#26
Hexane
Concen: 0.032 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion: 57 Resp: 3696

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.7	109.1#
43	0.0	182.1	273.1#
56	0.0	42.2	63.2#