Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073019\

Quantitation Report (Not Reviewed)

Data File : VL034052.D
Acq On : 30 Jul 2019 4:41
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Jul 30 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1217054	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	4073381	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.18	117	2757391	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.52	95	2276617	10.06	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	33744	0.132	ppbv		93
3) Chlorodifluoromethane	2.99	51	20524	0.134	ppbv		96
4) Chloromethane	3.14	50	7320	0.082	ppbv	#	55
5) Vinyl Chloride	3.26	62	10031	0.100	ppbv	#	77
8) Dichlorotetrafluoroethane	3.19	85	27160	0.107	ppbv		96
9) Propene	3.01	41	6300	0.112	ppbv		93
11) Trichlorofluoromethane	3.97	101	29114	0.099	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.52	101	19482	0.099	ppbv	#	82
13) Ethanol	3.63	45	1093	0.062	ppbv	#	36
14) Bromoethene	3.75	108	5092	0.066	ppbv	#	47
16) 1,3-Butadiene	3.34	39	7644	0.099	ppbv		98
18) 1,1-Dichloroethene	4.31	96	4210	0.048	ppbv	#	87
20) Methylene Chloride	4.38	84	11123	0.127	ppbv	#	78
21) Allyl Chloride	4.44	41	11761	0.094	ppbv	#	72
22) trans-1,2-Dichloroethene	4.92	96	6888	0.082	ppbv	#	40
23) Vinyl Acetate	5.12	43	9261	0.046	ppbv	#	89
24) 1,1-Dichloroethane	5.05	63	12943	0.072	ppbv	#	92
26) Hexane	5.73	57	5619	0.044	ppbv	#	1
27) Carbon Disulfide	4.58	76	10658	0.050	ppbv	#	66
29) Chloroform	5.80	83	30194	0.127	ppbv	#	84
31) cis-1,2-Dichloroethene	5.60	61	6565	0.054	ppbv	#	75
32) 1,1,1-Trichloroethane	6.57	97	8789	0.036	ppbv	#	1
34) 2-Butanone	5.31	43	16323	0.081	ppbv		99
35) Carbon Tetrachloride	7.09	117	28274	0.092	ppbv		94
36) Benzene	6.96	78	20581	0.070	ppbv	#	77
37) 1,2-Dichloroethane	6.36	62	8965	0.041	ppbv	#	60
38) Trichloroethene	7.91	130	4664	0.035	ppbv	#	68
39) 1,2-Dichloropropane	7.24	63	1047011	9.373	ppbv	#	24
47) 1,1,2-Trichloroethane	9.56	97	7062	0.051	ppbv	#	74
56) 1,1,1,2-Tetrachloroethane	12.22	131	6340	0.052	ppbv	#	1
57) Chlorobenzene	12.24	112	17228	0.080	ppbv	#	54
62) Isopropylbenzene	14.77	105	13984	0.033	ppbv	#	42
63) 1,1,2,2-Tetrachloroethane	13.79	83	10508	0.046	ppbv	#	7
71) 2-Chlorotoluene	15.56	91	13103	0.042	ppbv	#	45
74) 1,2,4-Trimethylbenzene	16.88	105	13792	0.038	ppbv	#	72
75) 1,3-Dichlorobenzene	17.11	146	15420	0.066	ppbv	#	34
76) 1,4-Dichlorobenzene	17.25	146	6654	0.030	ppbv	#	1
77) 1,2-Dichlorobenzene	17.93	146	9908	0.046	ppbv	#	8
78) Hexachloro-1,3-Butadiene	23.49	225	14389	0.076	ppbv	#	20
80) Naphthalene,2-methyl-	25.08	142	11010	0.098	ppbv	#	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073019\

Quantitation Report (Not Reviewed)

Data File : VL034052.D
Acq On : 30 Jul 2019 4:41
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Jul 30 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

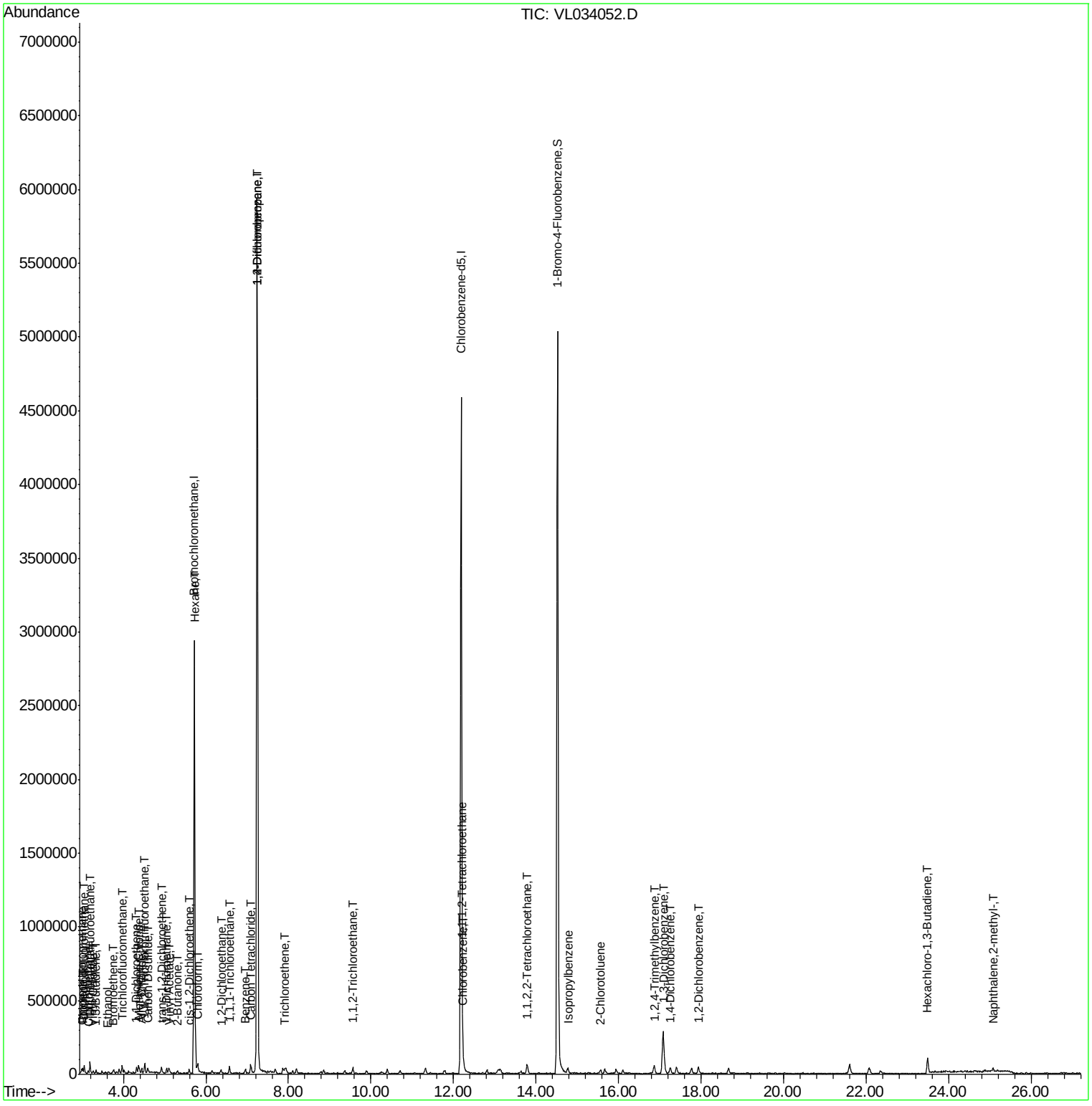
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073019\

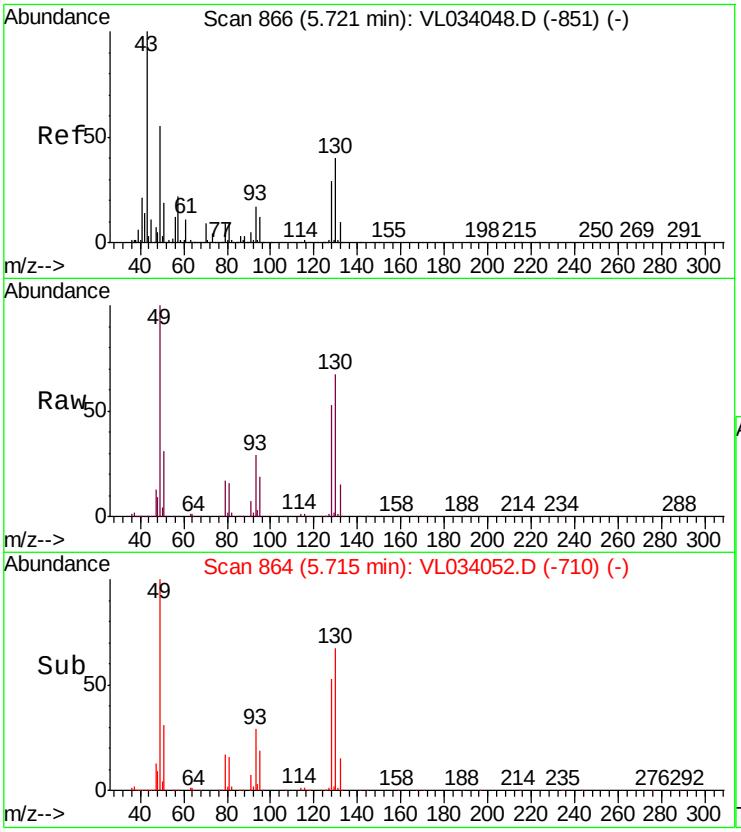
Quantitation Report (Not Reviewed)

Data File : VL034052.D
Acq On : 30 Jul 2019 4:41
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Jul 30 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration



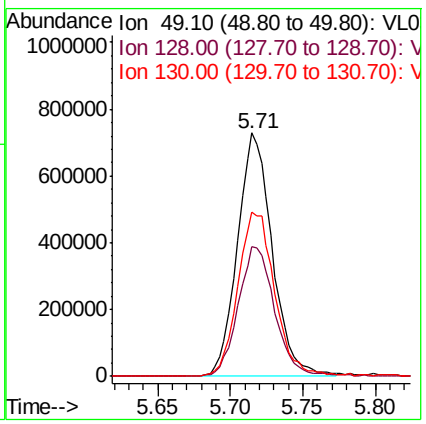


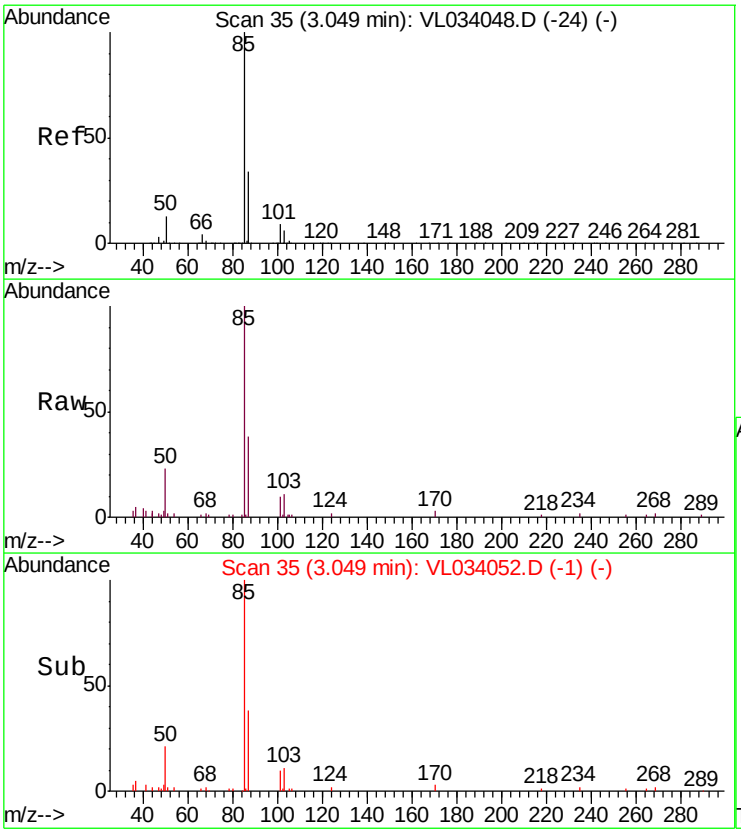
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 1217054

Ion	Ratio	Lower	Upper
49	100		
128	56.6	27.0	81.0
130	72.2	35.0	105.0

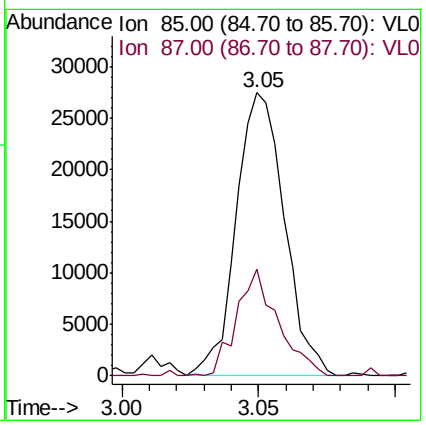


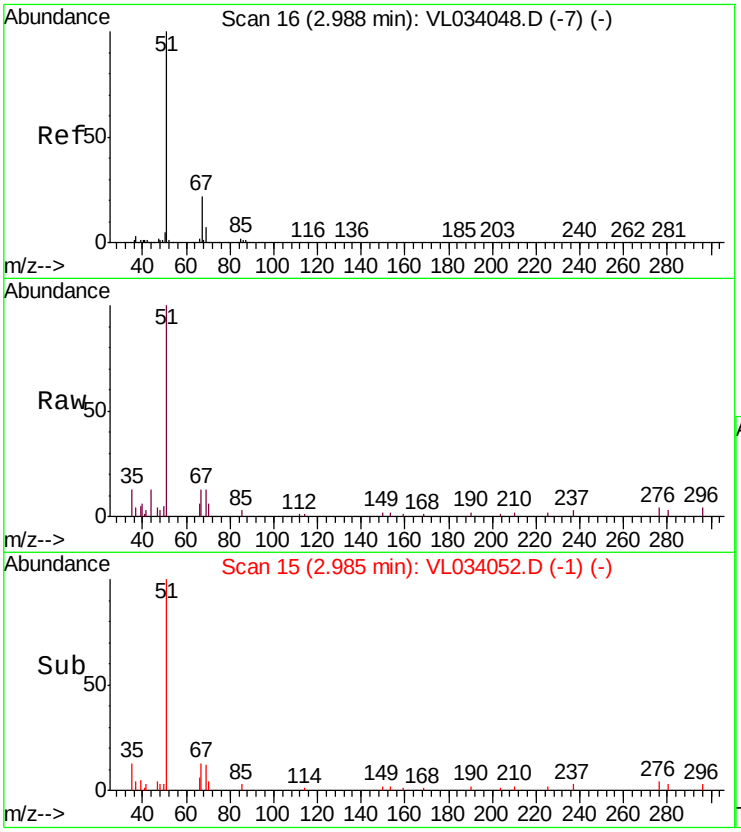


#2
Dichlorodifluoromethane
Concen: 0.132 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 85 Resp: 33744

Ion	Ratio	Lower	Upper
85	100		
87	37.8	27.0	40.4



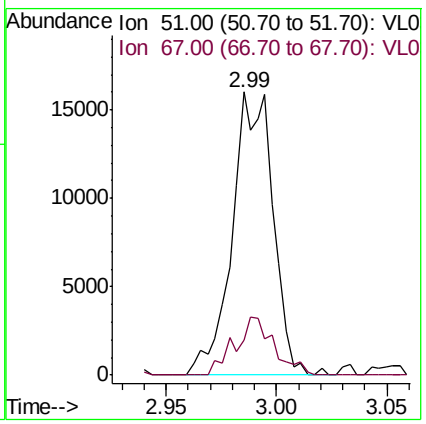


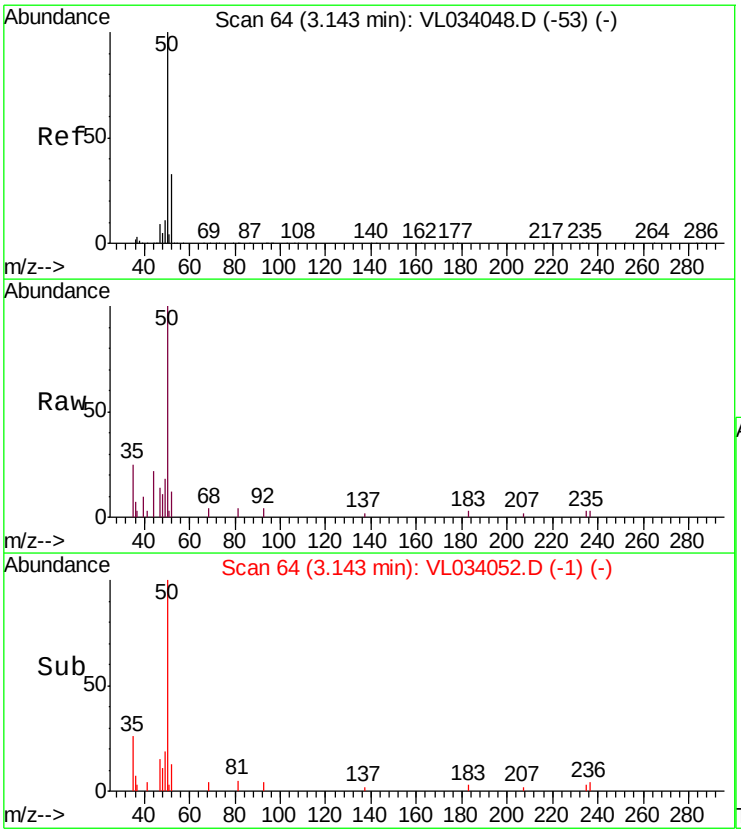
#3
Chlorodifluoromethane
Concen: 0.134 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 20524

Ion	Ratio	Lower	Upper
51	100		
67	19.7	17.4	26.0

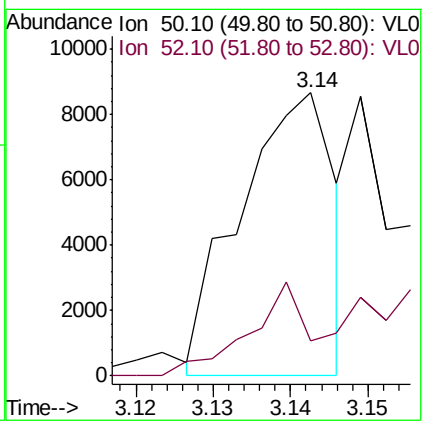


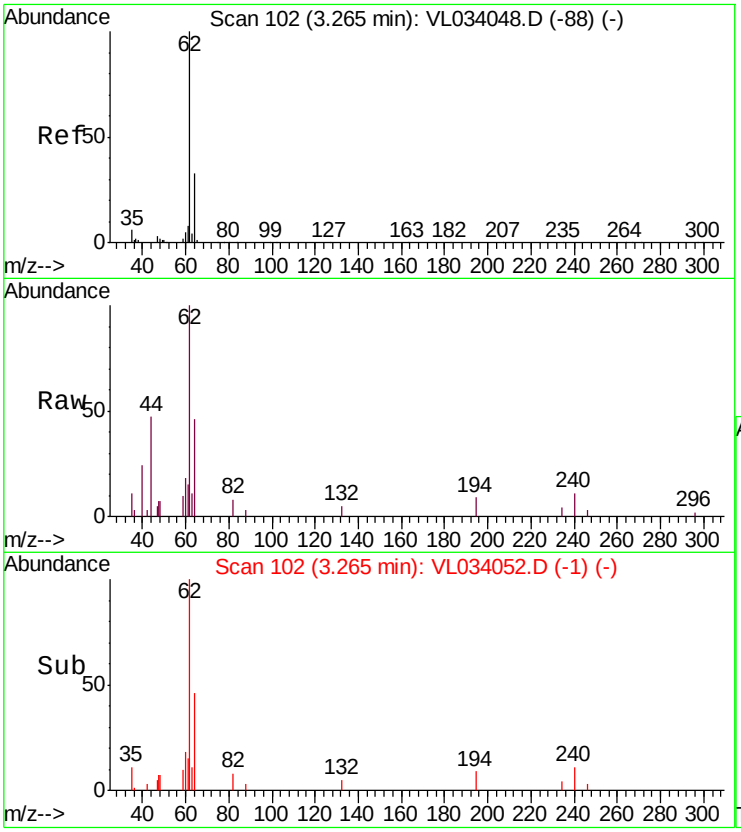


#4
Chloromethane
Concen: 0.082 ppbv
RT: 3.14 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 50 Resp: 7320

Ion	Ratio	Lower	Upper
50	100		
52	7.6	26.7	40.1#



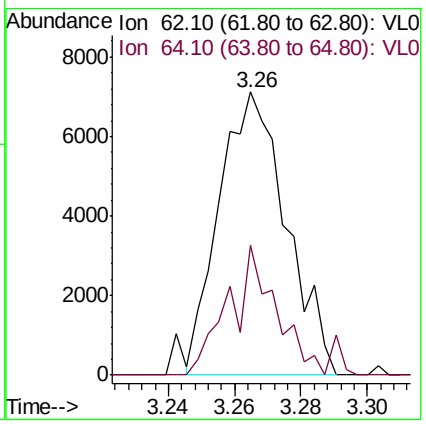


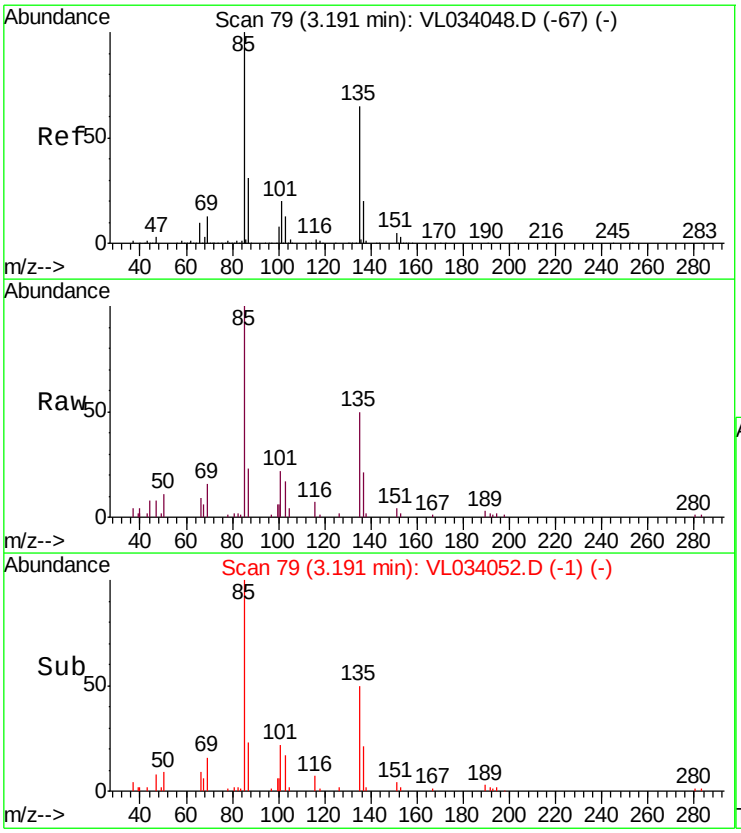
#5
Vinyl Chloride
Concen: 0.100 ppbv
RT: 3.26 min Scan# 102
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 10031

Ion	Ratio	Lower	Upper
62	100		
64	46.0	26.5	39.7#

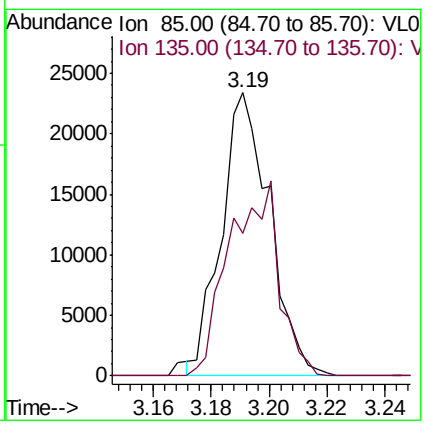


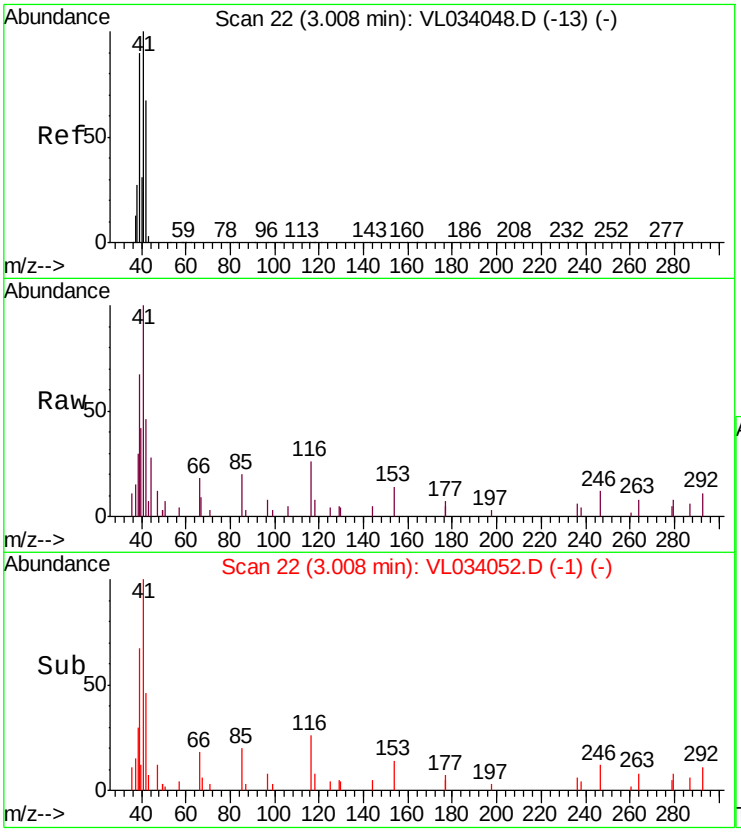


#8
Dichlorotetrafluoroethane
Concen: 0.107 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 85 Resp: 27160

Ion	Ratio	Lower	Upper
85	100		
135	70.7	54.1	81.1



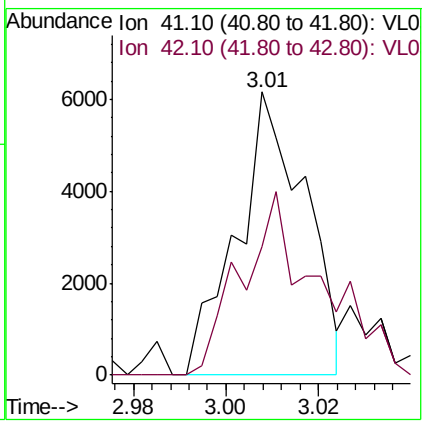


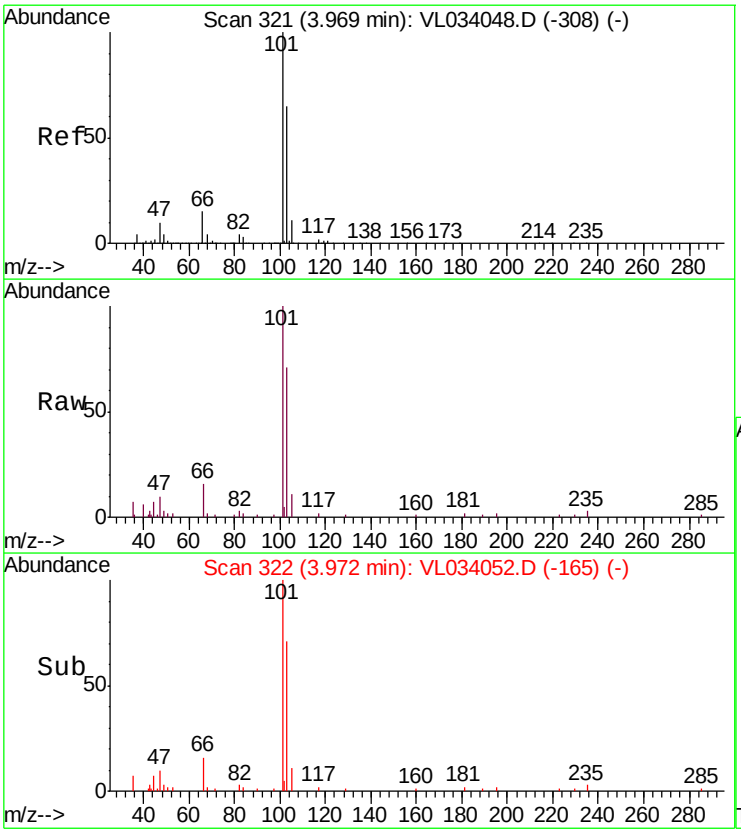
#9
Propene
Concen: 0.112 ppbv
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 6300

Ion	Ratio	Lower	Upper
41	100		
42	74.9	55.4	83.2

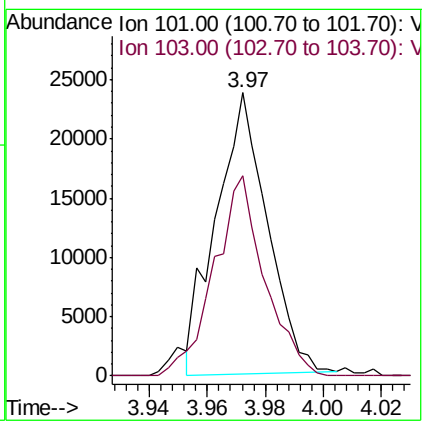


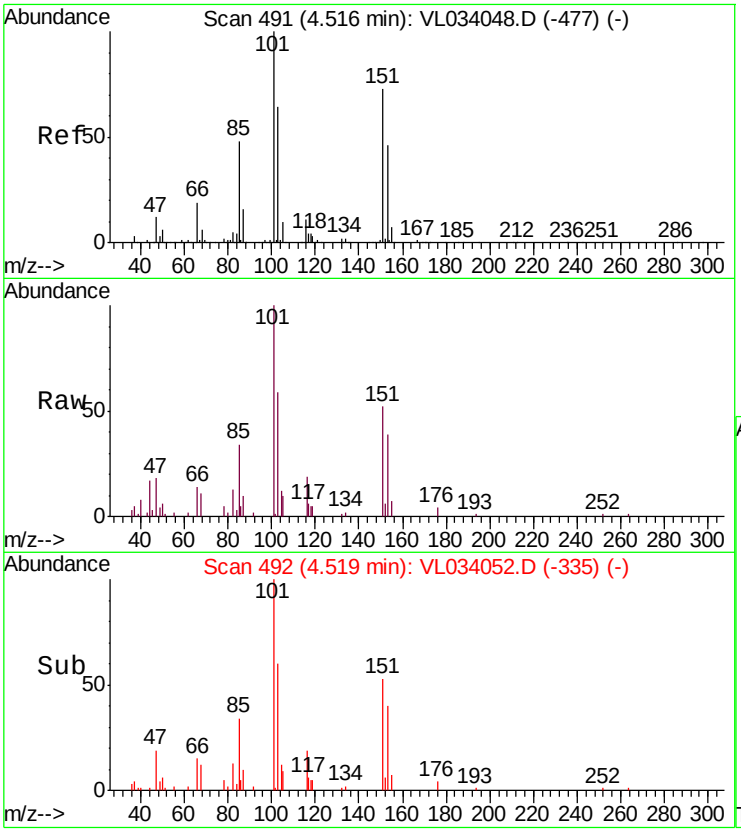


#11
Trichlorofluoromethane
Concen: 0.099 ppbv
RT: 3.97 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion:101 Resp: 29114

Ion	Ratio	Lower	Upper
101	100		
103	71.6	52.3	78.5



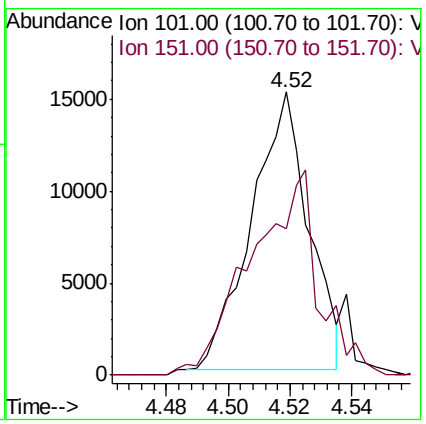


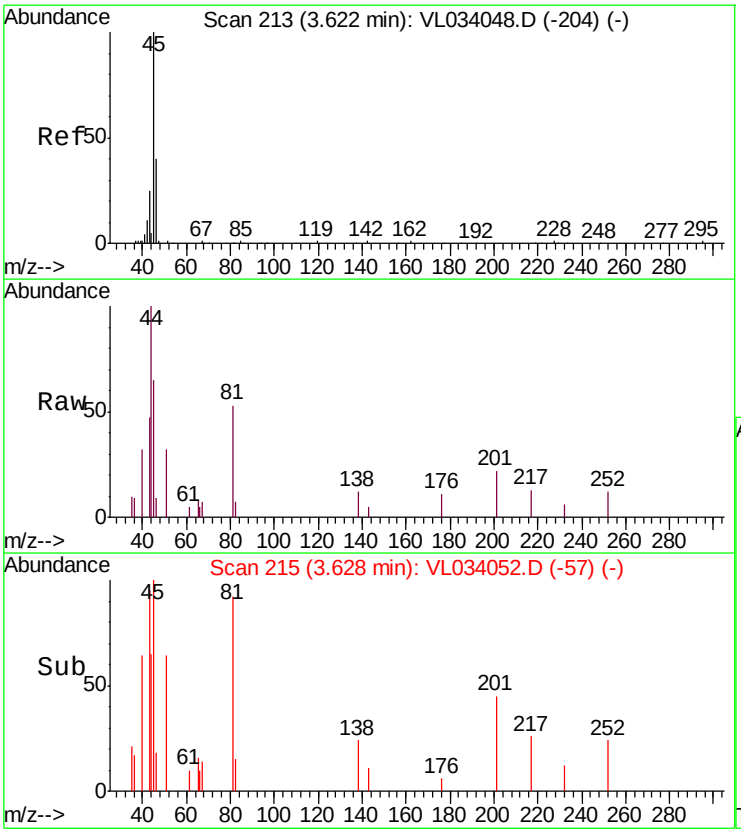
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.099 ppbv
RT: 4.52 min Scan# 492
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 19482

Ion	Ratio	Lower	Upper
101	100		
151	86.7	57.3	85.9#

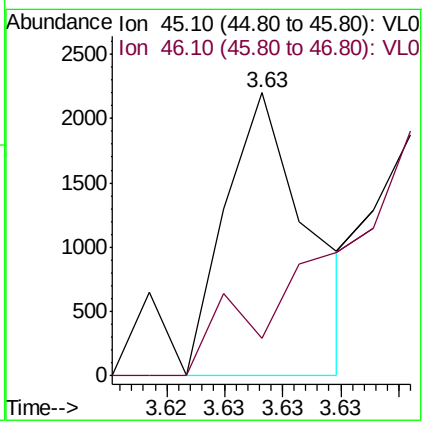


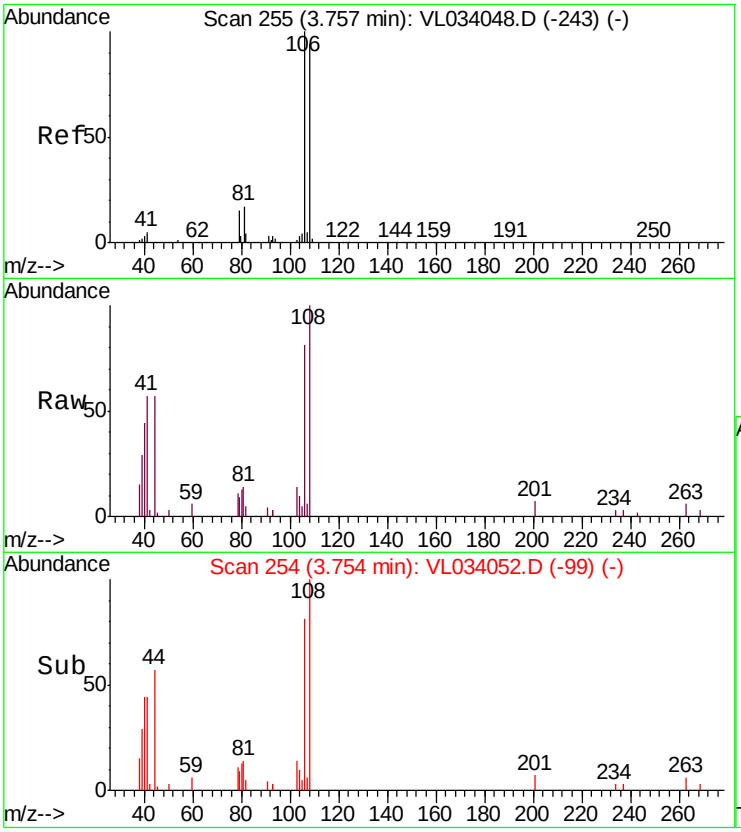


#13
Ethanol
Concen: 0.062 ppbv
RT: 3.63 min Scan# 215
Delta R.T. 0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 45 Resp: 1093

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.6	62.2#



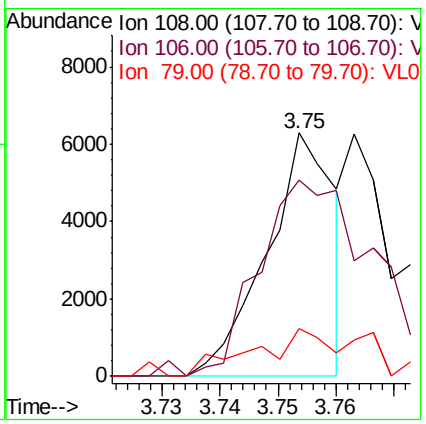


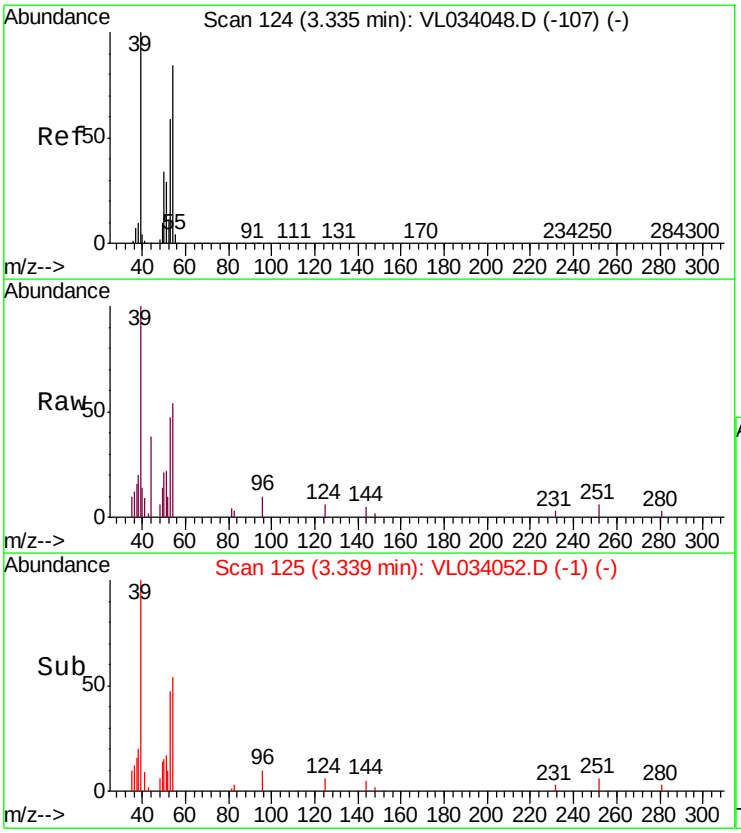
#14
Bromoethene
Concen: 0.066 ppbv
RT: 3.75 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:108 Resp: 5092

Ion	Ratio	Lower	Upper
108	100		
106	162.9	86.2	129.2#
79	41.0	13.7	20.5#

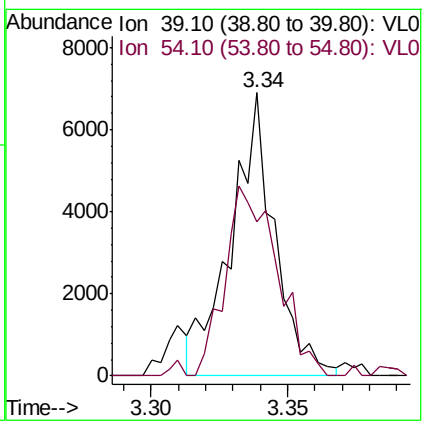


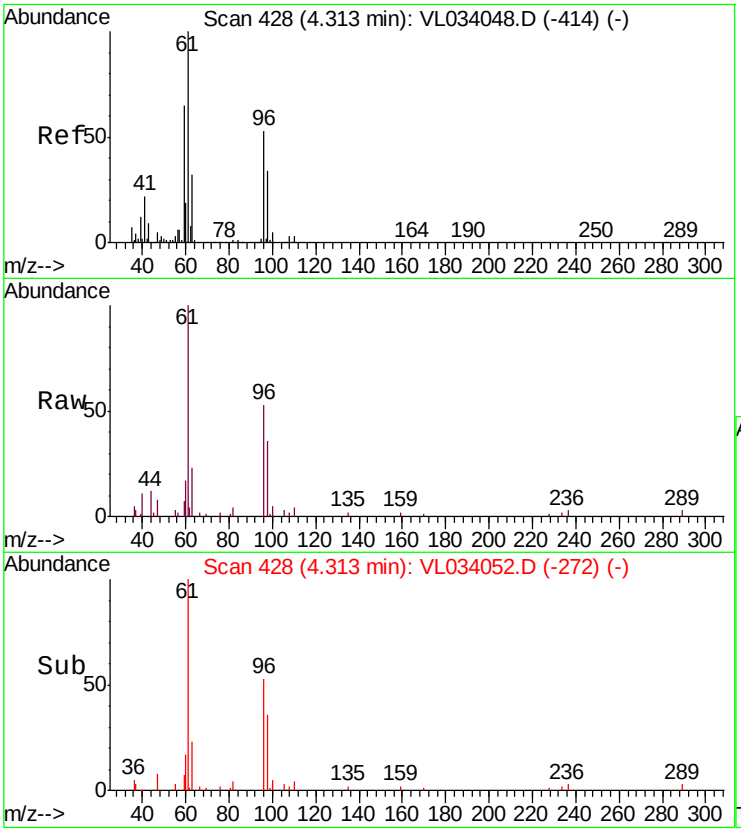


#16
1,3-Butadiene
Concen: 0.099 ppbv
RT: 3.34 min Scan# 125
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 39 Resp: 7644

Ion	Ratio	Lower	Upper
39	100		
54	84.2	68.9	103.3



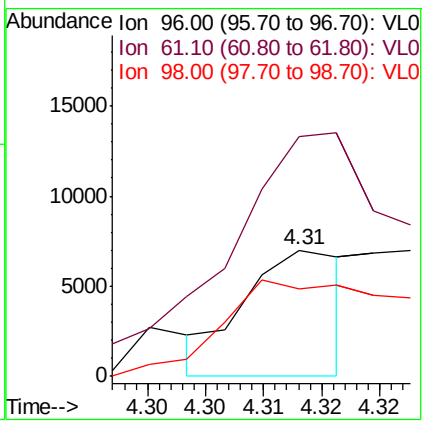


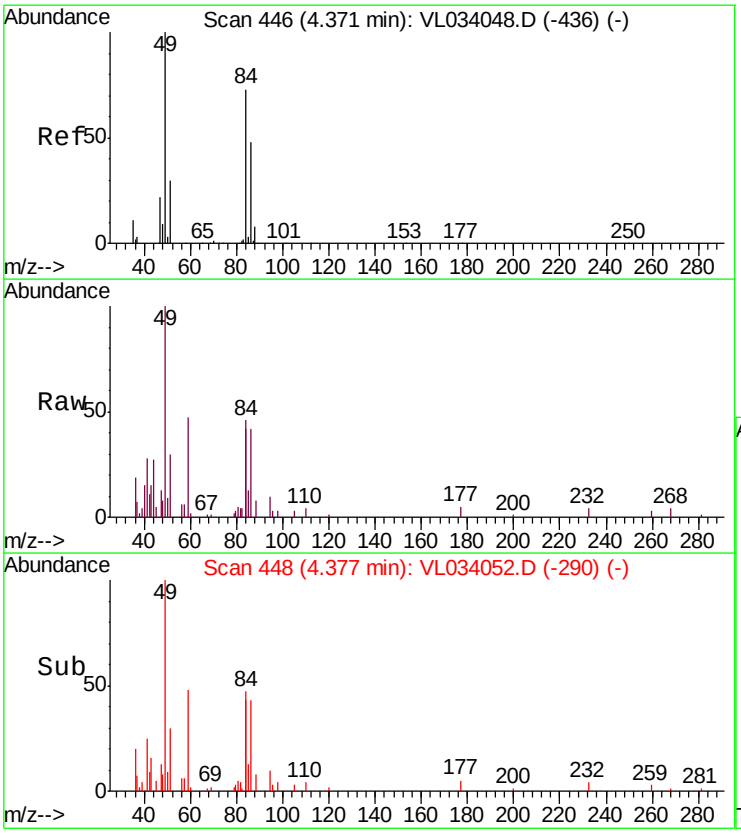
#18
1,1-Dichloroethene
Concen: 0.048 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 4210

Ion	Ratio	Lower	Upper
96	100		
61	200.6	151.5	227.3
98	87.4	52.2	78.2#

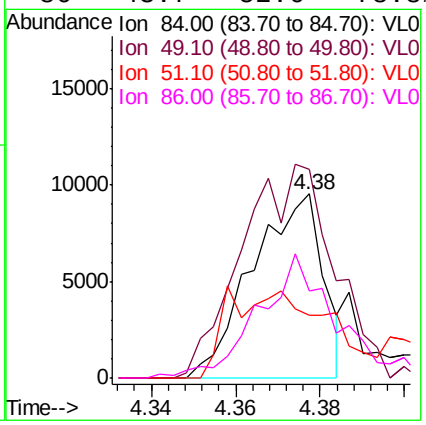


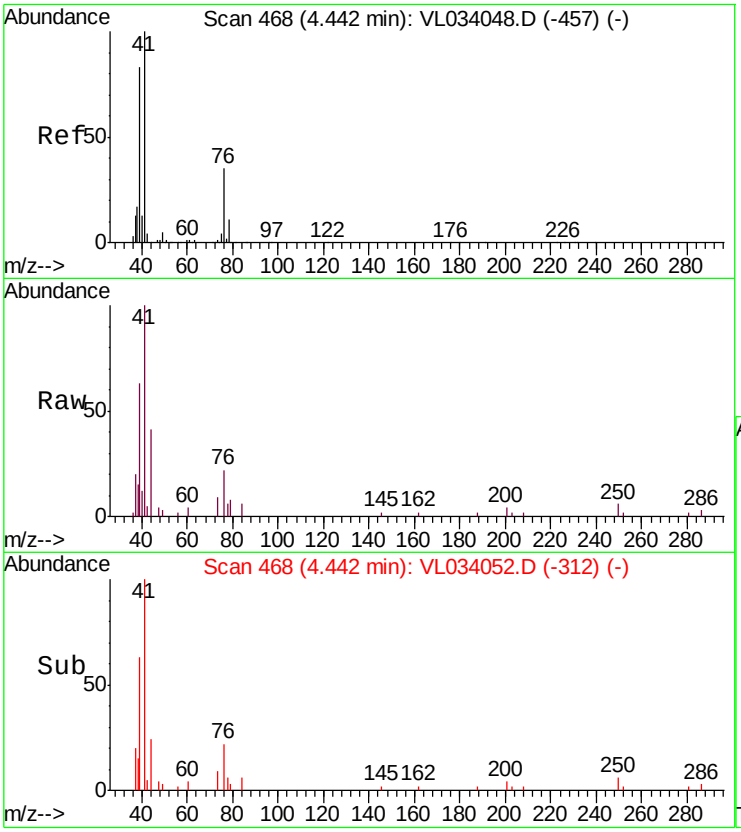


#20
Methylene Chloride
Concen: 0.127 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 84 Resp: 11123

Ion	Ratio	Lower	Upper
84	100		
49	110.3	109.6	164.4
51	33.9	33.4	50.2
86	43.7	52.6	78.8#



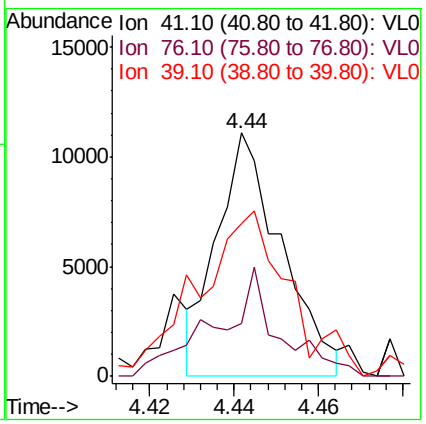


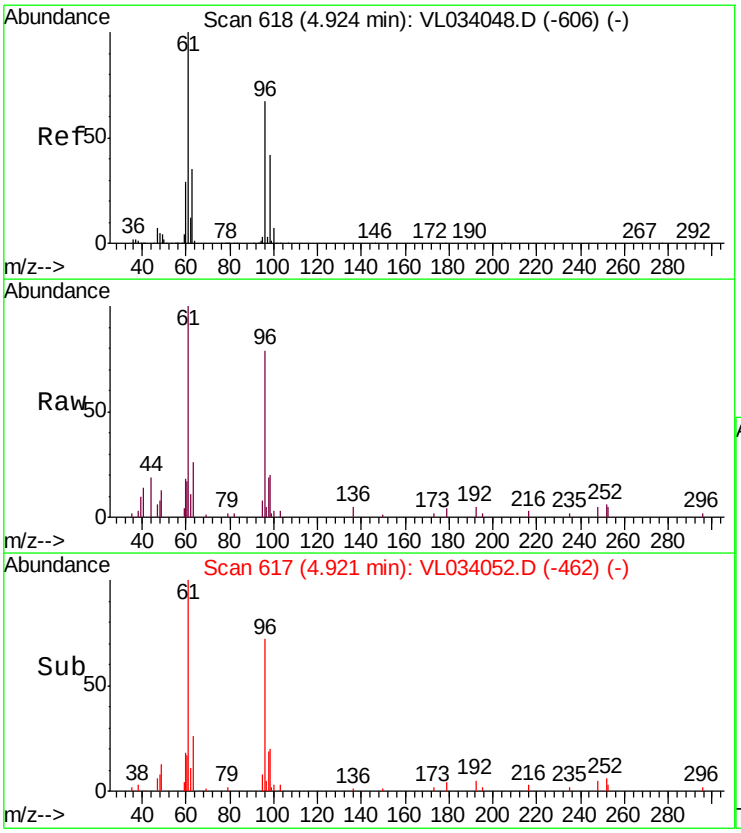
#21
Allyl Chloride
Concen: 0.094 ppbv
RT: 4.44 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 11761

Ion	Ratio	Lower	Upper
41	100		
76	43.9	26.1	39.1#
39	109.1	65.0	97.6#

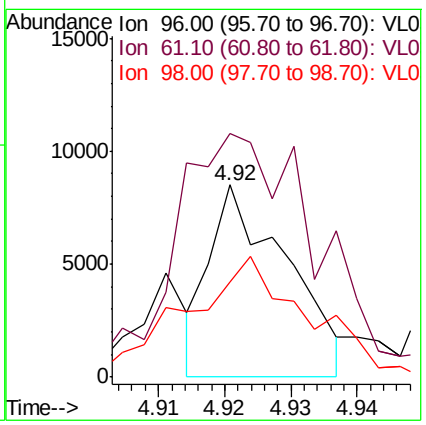


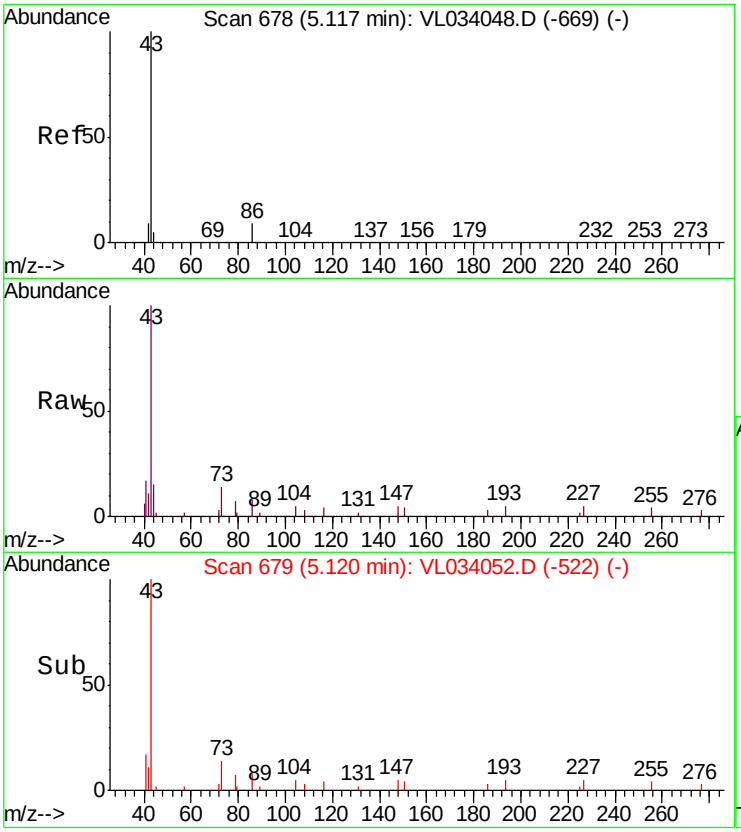


#22
trans-1,2-Dichloroethene
Concen: 0.082 ppbv
RT: 4.92 min Scan# 617
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 96 Resp: 6888

Ion	Ratio	Lower	Upper
96	100		
61	67.1	118.6	177.8#
98	23.0	49.7	74.5#



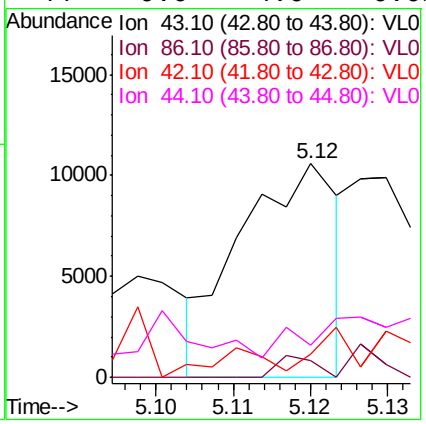


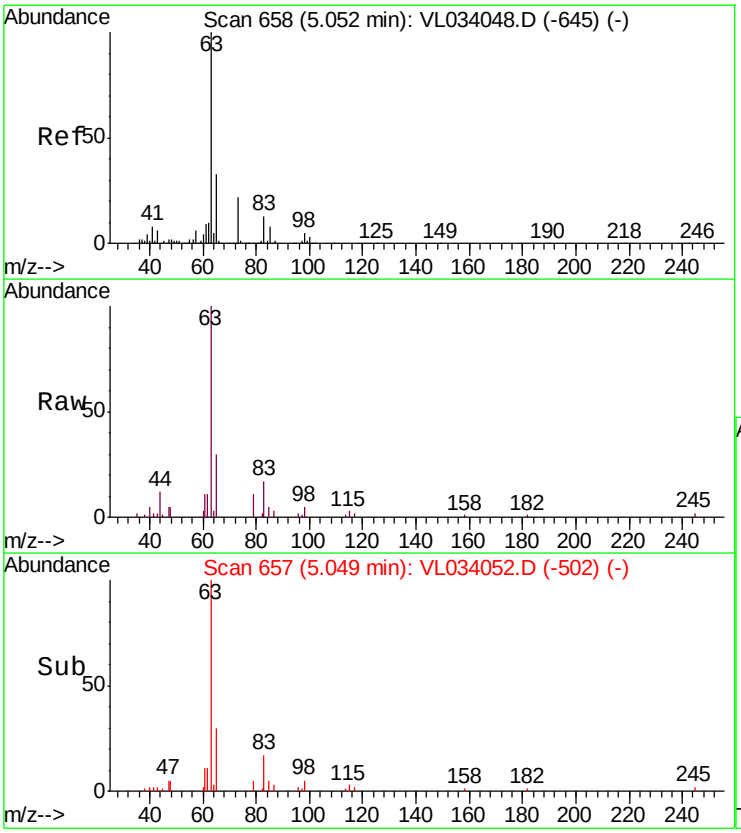
#23
Vinyl Acetate
Concen: 0.046 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 9261

Ion	Ratio	Lower	Upper
43	100		
86	12.3	6.5	9.7#
42	7.7	8.3	12.5#
44	0.0	4.0	6.0#

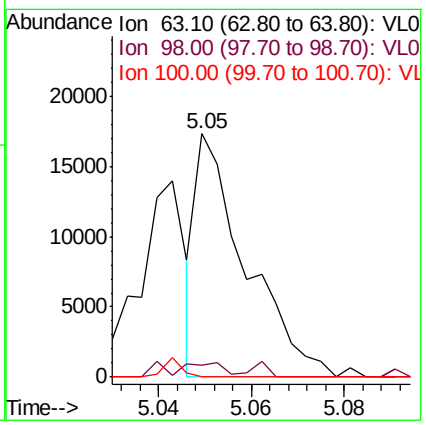


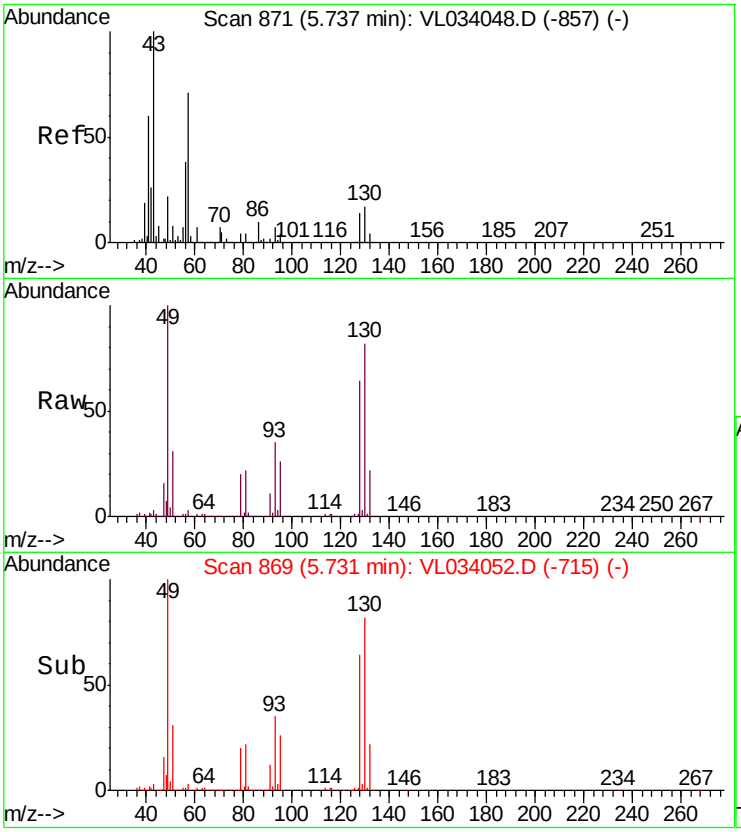


#24
1,1-Dichloroethane
Concen: 0.072 ppbv
RT: 5.05 min Scan# 657
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 63 Resp: 12943

Ion	Ratio	Lower	Upper
63	100		
98	2.0	2.4	7.2#
100	0.0	1.3	3.9#



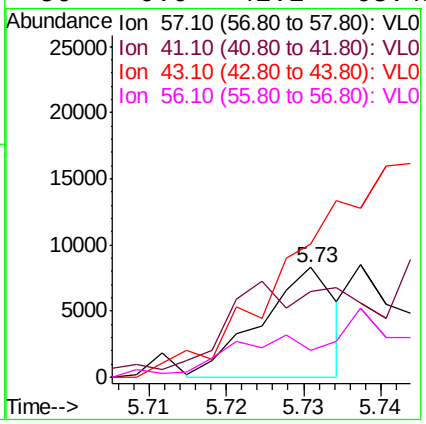


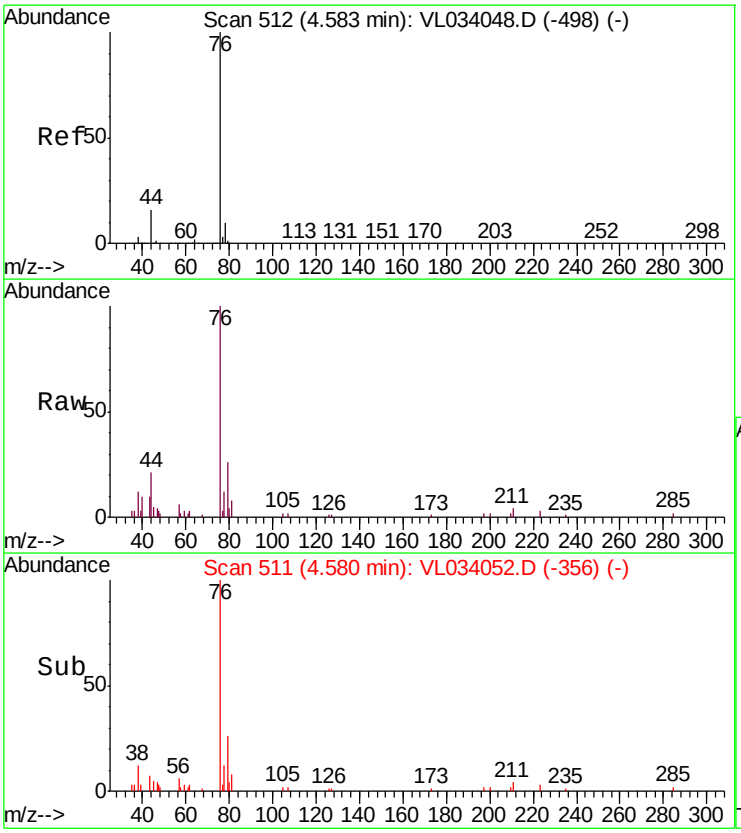
#26
Hexane
Concen: 0.044 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 57 Resp: 5619

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.0	103.6#
43	0.0	176.6	264.8#
56	0.0	42.2	63.4#

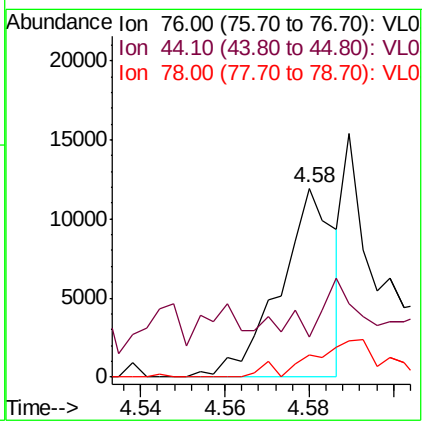


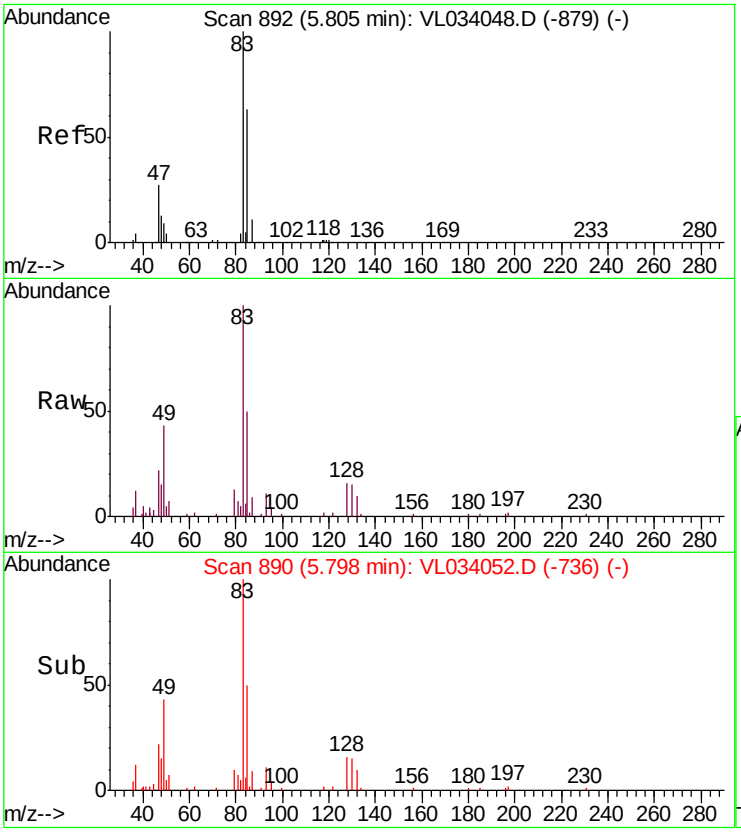


#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 4.58 min Scan# 511
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 76 Resp: 10658

Ion	Ratio	Lower	Upper
76	100		
44	32.5	13.0	19.4#
78	0.0	7.7	11.5#



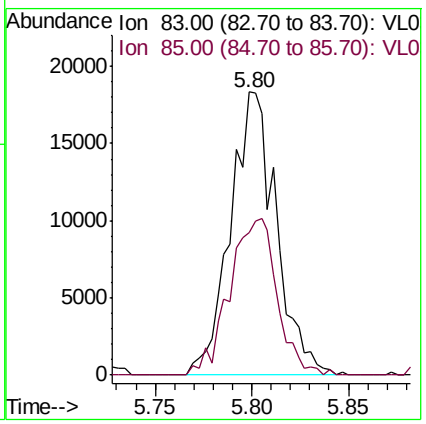


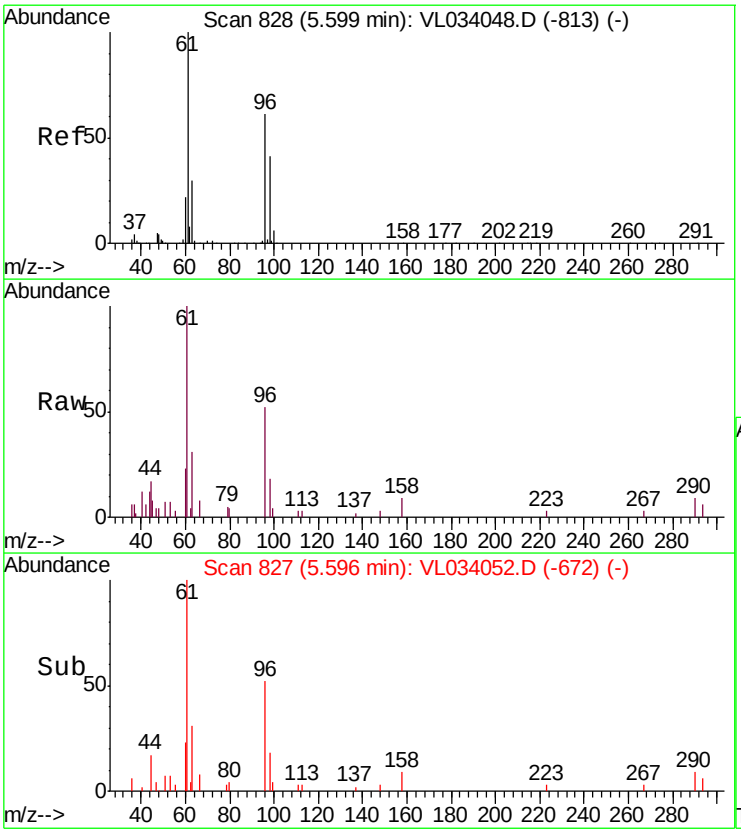
#29
Chloroform
Concen: 0.127 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 83 Resp: 30194

Ion	Ratio	Lower	Upper
83	100		
85	50.2	50.2	75.4#

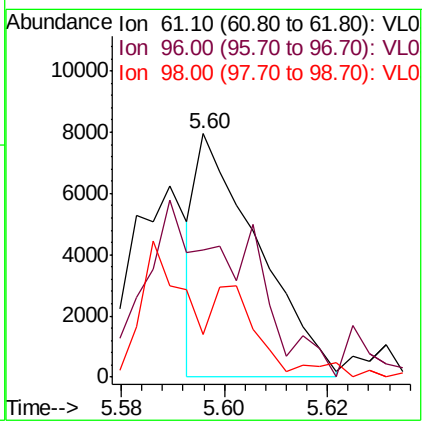


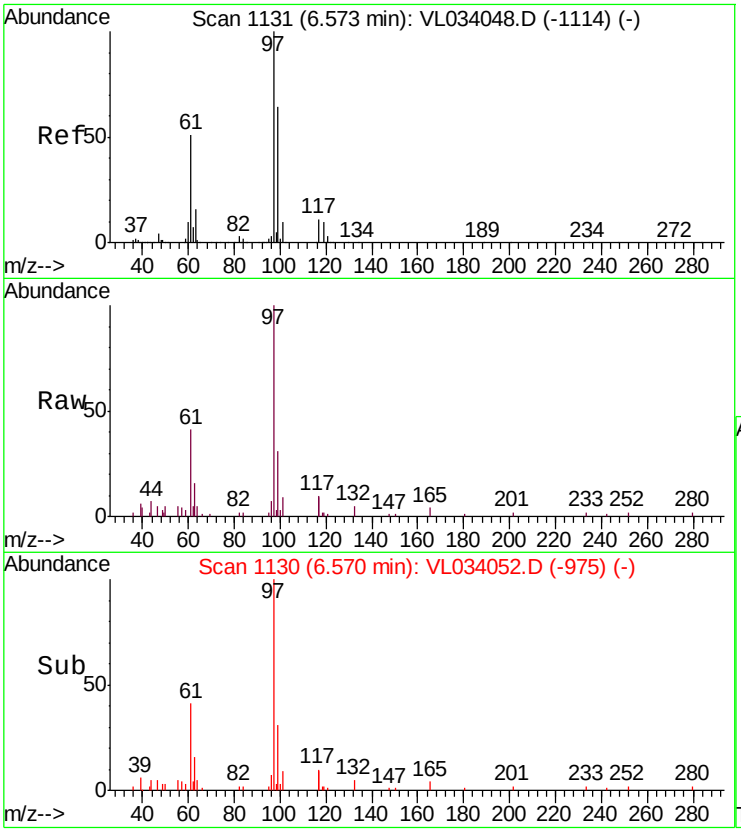


#31
cis-1,2-Dichloroethene
Concen: 0.054 ppbv
RT: 5.60 min Scan# 827
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion: 61 Resp: 6565

Ion	Ratio	Lower	Upper
61	100		
96	53.2	49.1	73.7
98	11.8	32.5	48.7#



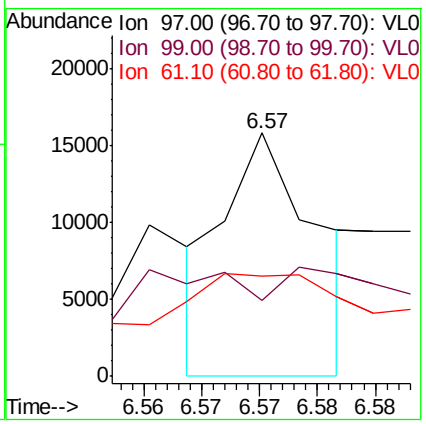


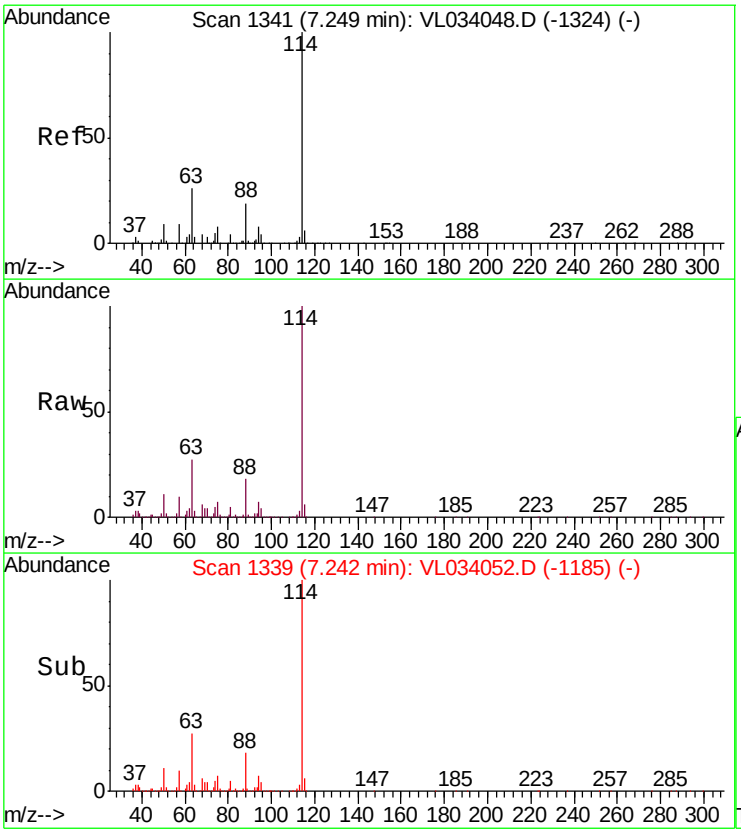
#32
1,1,1-Trichloroethane
Concen: 0.036 ppbv
RT: 6.57 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 8789

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	134.6	39.5	59.3#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL034052.D
Acq: 30 Jul 2019 4:41

Tgt Ion:114 Resp: 4073381

Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.0	31.6
88	18.6	14.7	22.1