Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\

Quantitation Report (Not Reviewed)

Data File : VL034097.D
Acq On : 6 Aug 2019 9:49
Operator : SY/AP
Sample : K4098-01DL 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E049-1100DL

Quant Time: Aug 06 15:02:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1236806	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	2386248	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.18	117	2546122	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.52	95	2370442	11.47	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.19	85	1363313	8.956	ppbv		98
3) Chlorodifluoromethane	2.99	51	5222	0.037	ppbv		93
8) Dichlorotetrafluoroethane	3.19	85	1363313	7.764	ppbv		94
9) Propene	3.21	41	20969	0.249	ppbv		93
11) Trichlorofluoromethane	3.97	101	1878389	10.408	ppbv		99
15) Acetone	3.88	43	22708	0.128	ppbv	#	49
17) tert-Butyl alcohol	4.31	59	42488	0.258	ppbv	#	75
18) 1,1-Dichloroethene	4.31	96	541117	8.985	ppbv		94
20) Methylene Chloride	4.37	84	14910	0.281	ppbv		94
24) 1,1-Dichloroethane	5.05	63	1867945	10.713	ppbv		99
29) Chloroform	5.80	83	2404421	12.004	ppbv		97
37) 1,2-Dichloroethane	6.36	62	1251774	8.579	ppbv		100
39) 1,2-Dichloropropane	7.24	63	703807	6.431	ppbv	#	22
42) Bromodichloromethane	7.86	83	1922131	9.395	ppbv		98
58) Ethyl Benzene	12.80	91	4949588	11.561	ppbv		95
59) m/p-Xylene	13.06	91	2008378	5.844	ppbv		97
60) o-Xylene	13.79	91	2642217	7.693	ppbv		99

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

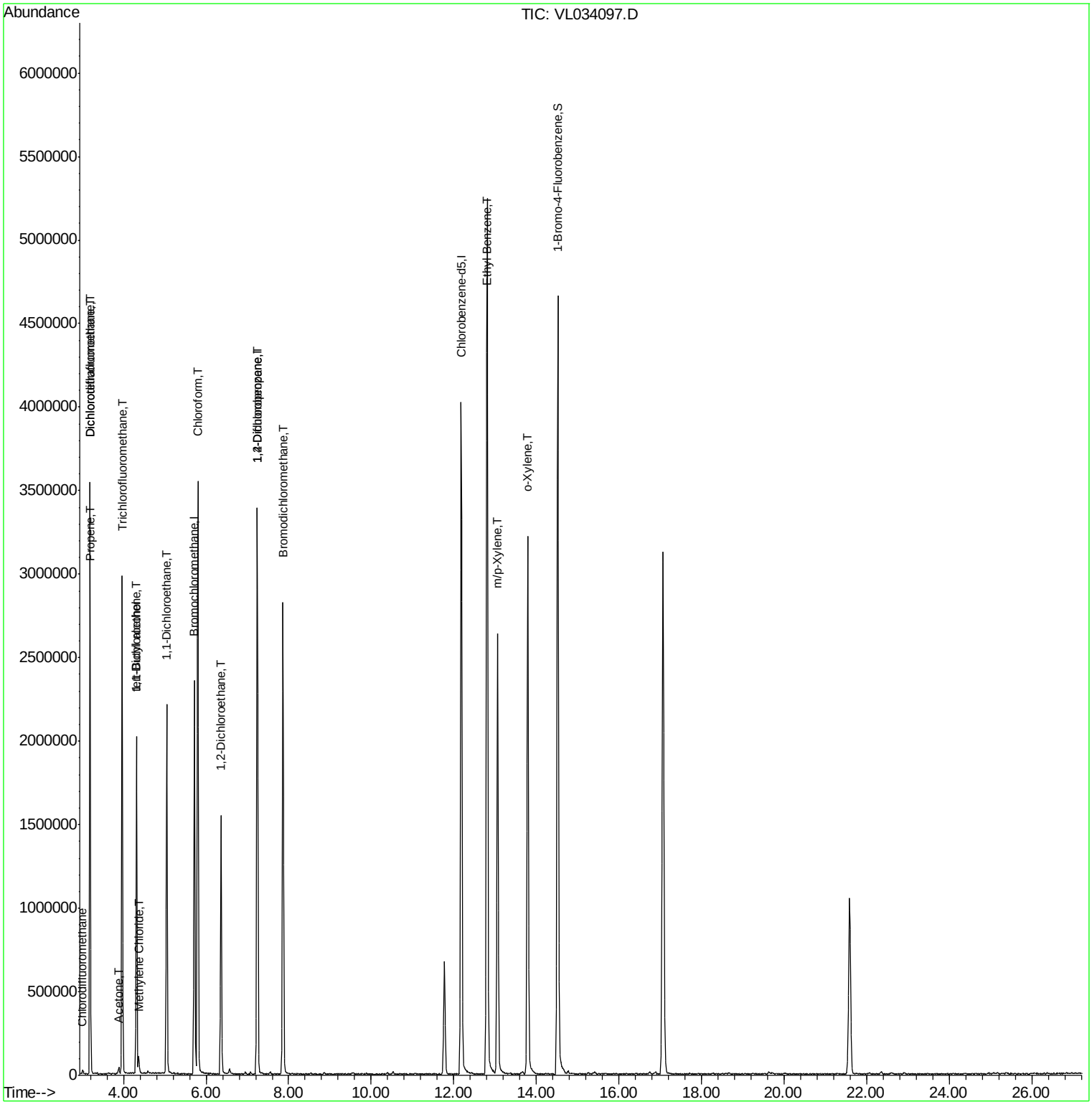
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\

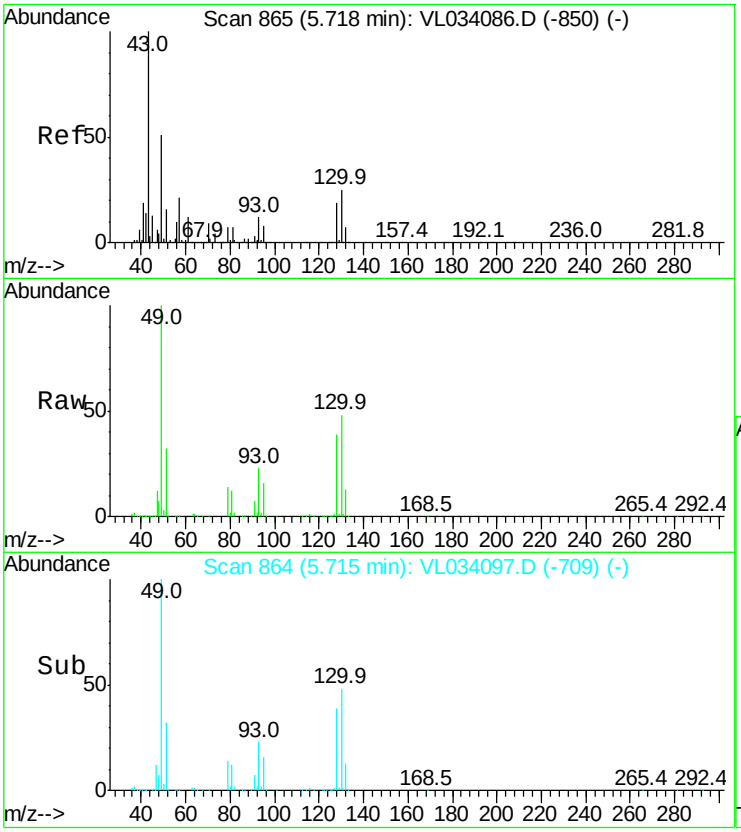
Quantitation Report (Not Reviewed)

Data File : VL034097.D
Acq On : 6 Aug 2019 9:49
Operator : SY/AP
Sample : K4098-01DL 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E049-1100DL

Quant Time: Aug 06 15:02:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration



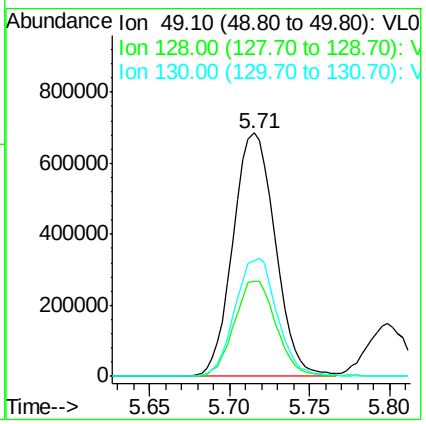


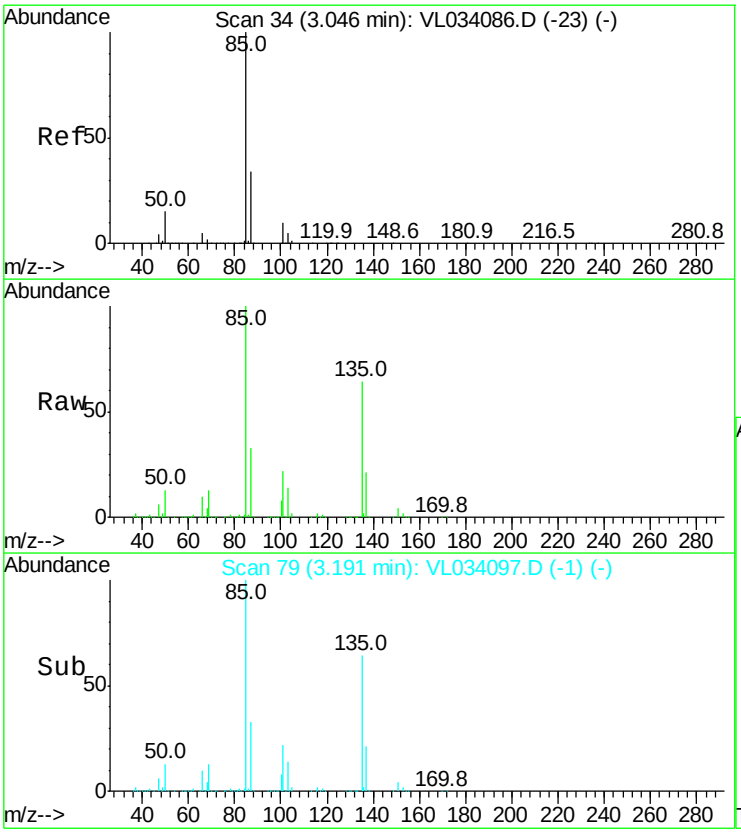
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 49 Resp: 1236806

Ion	Ratio	Lower	Upper
49	100		
128	38.9	19.5	58.5
130	48.6	25.4	76.0

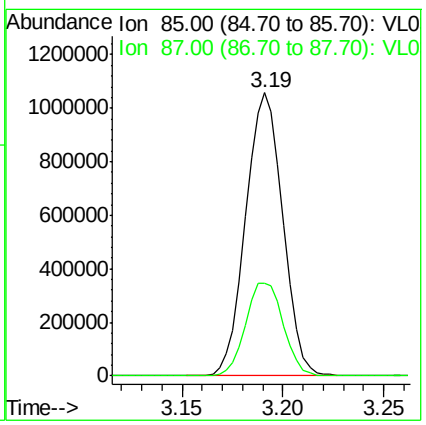


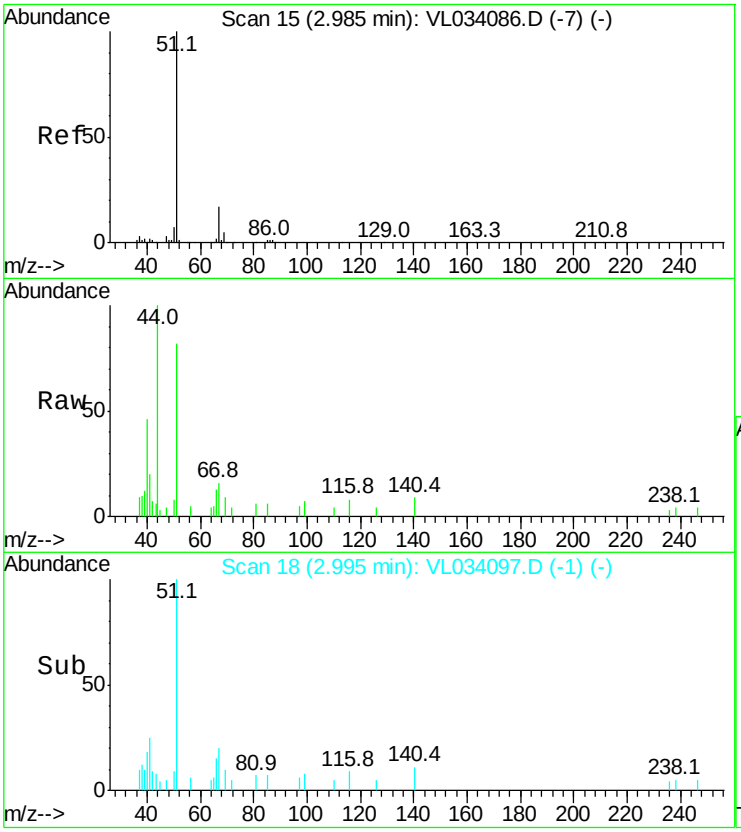


#2
Dichlorodifluoromethane
Concen: 8.956 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.14 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 85 Resp: 1363313

Ion	Ratio	Lower	Upper
85	100		
87	32.8	27.1	40.7



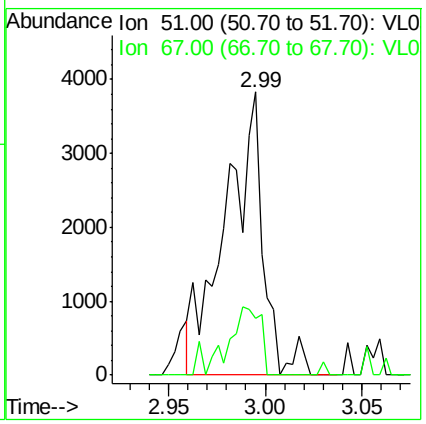


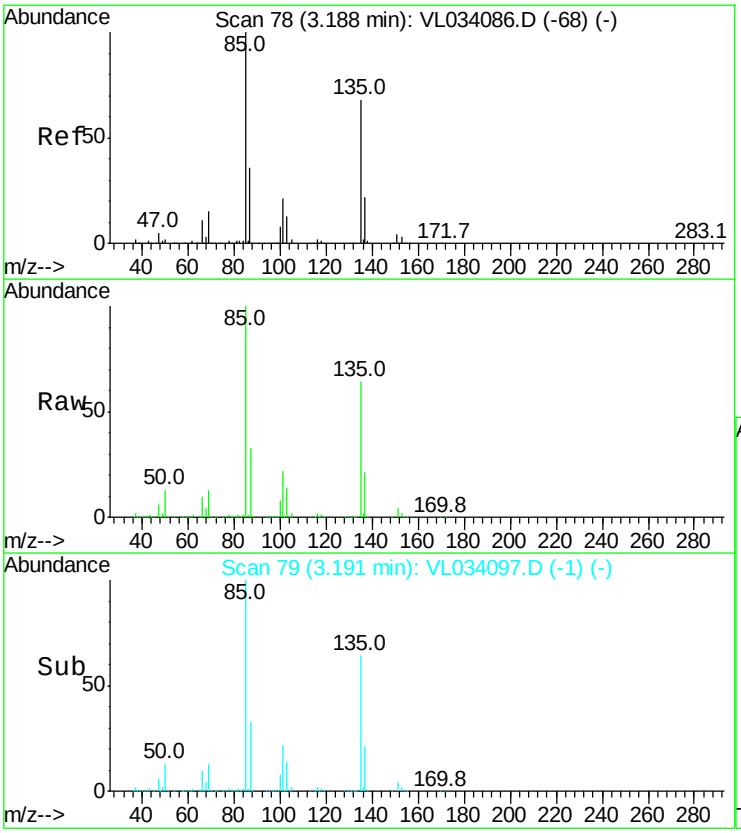
#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.99 min Scan# 18
Delta R.T. 0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 51 Resp: 5222

Ion	Ratio	Lower	Upper
51	100		
67	19.6	13.3	19.9

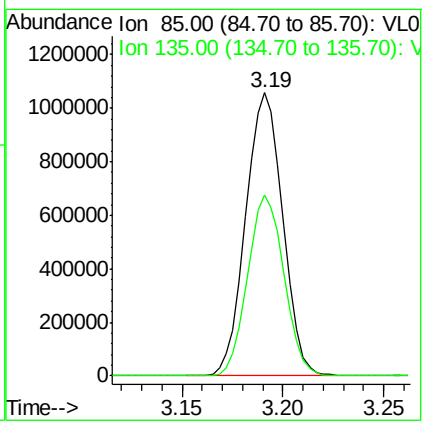


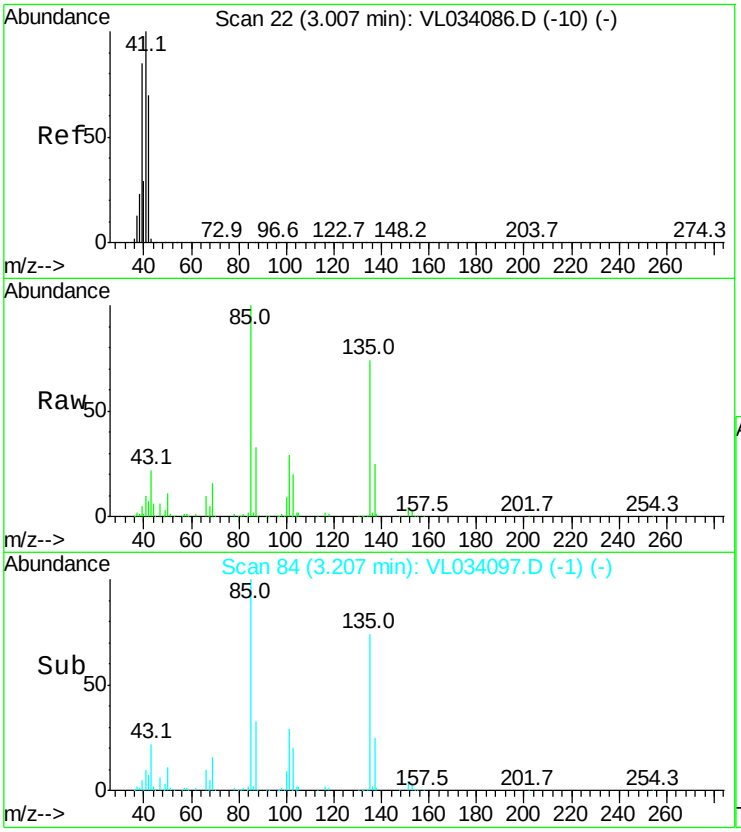


#8
Dichlorotetrafluoroethane
Concen: 7.764 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 85 Resp: 1363313

Ion	Ratio	Lower	Upper
85	100		
135	62.9	54.0	81.0



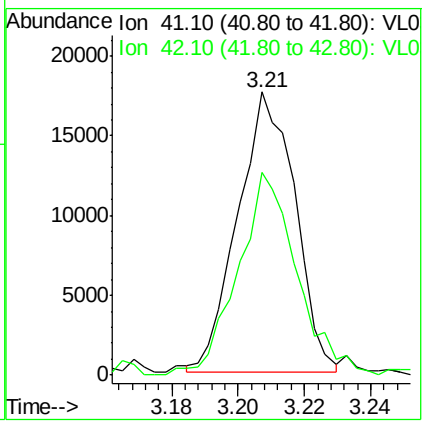


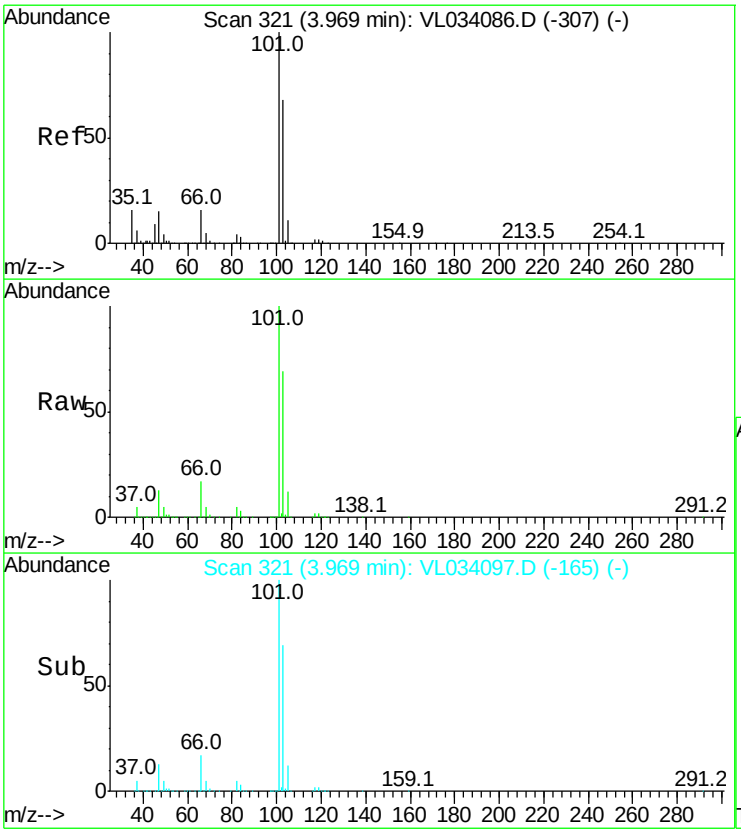
#9
Propene
Concen: 0.249 ppbv
RT: 3.21 min Scan# 84
Delta R.T. 0.20 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 41 Resp: 20969

Ion	Ratio	Lower	Upper
41	100		
42	75.5	55.8	83.6

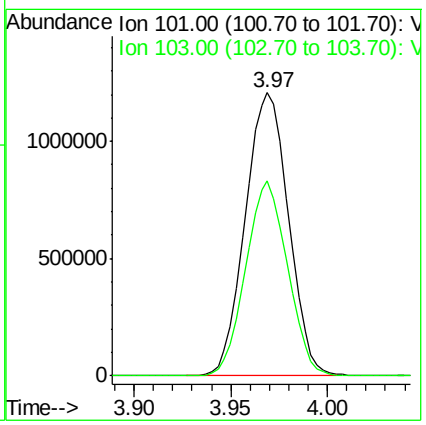


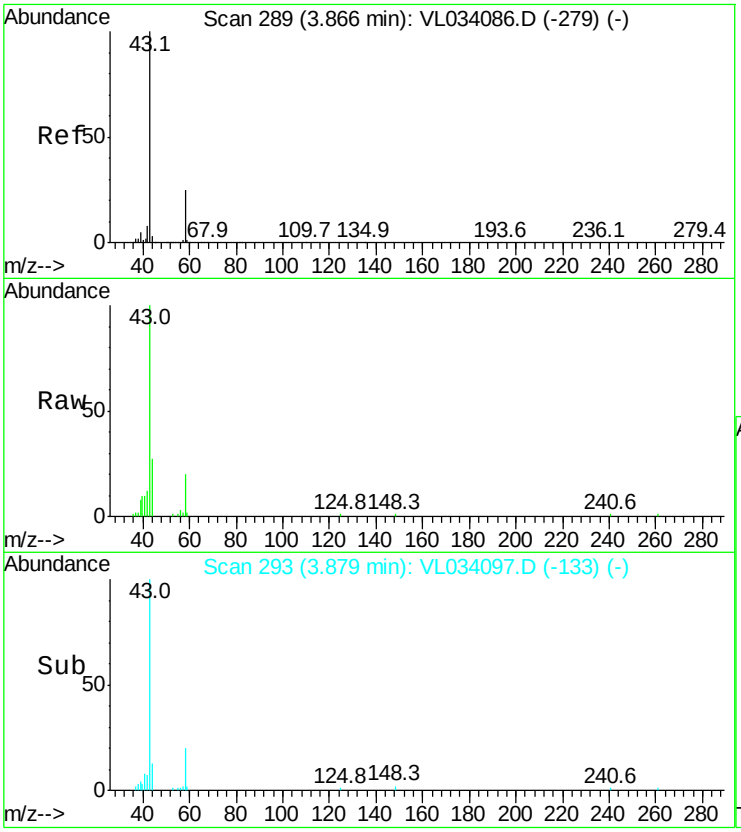


#11
Trichlorofluoromethane
Concen: 10.408 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion:101 Resp: 1878389

Ion	Ratio	Lower	Upper
101	100		
103	68.7	54.3	81.5



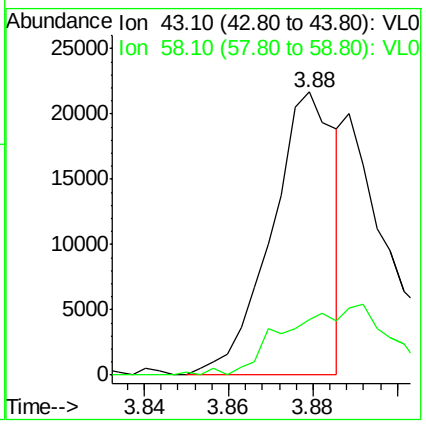


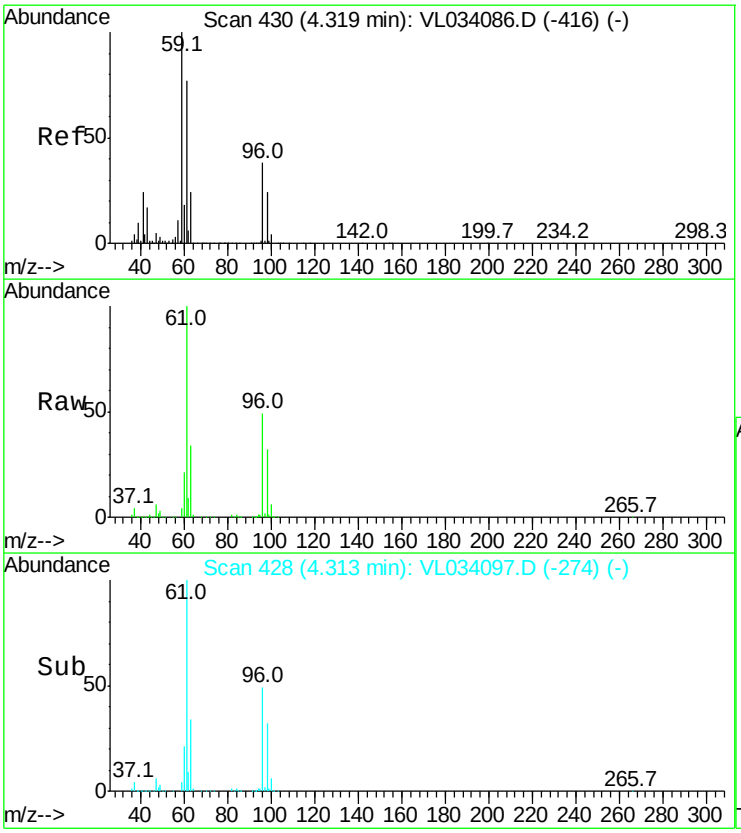
#15
Acetone
Concen: 0.128 ppbv
RT: 3.88 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 43 Resp: 22708

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.6	30.8#

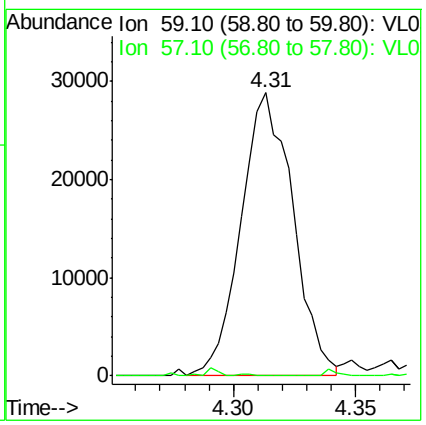


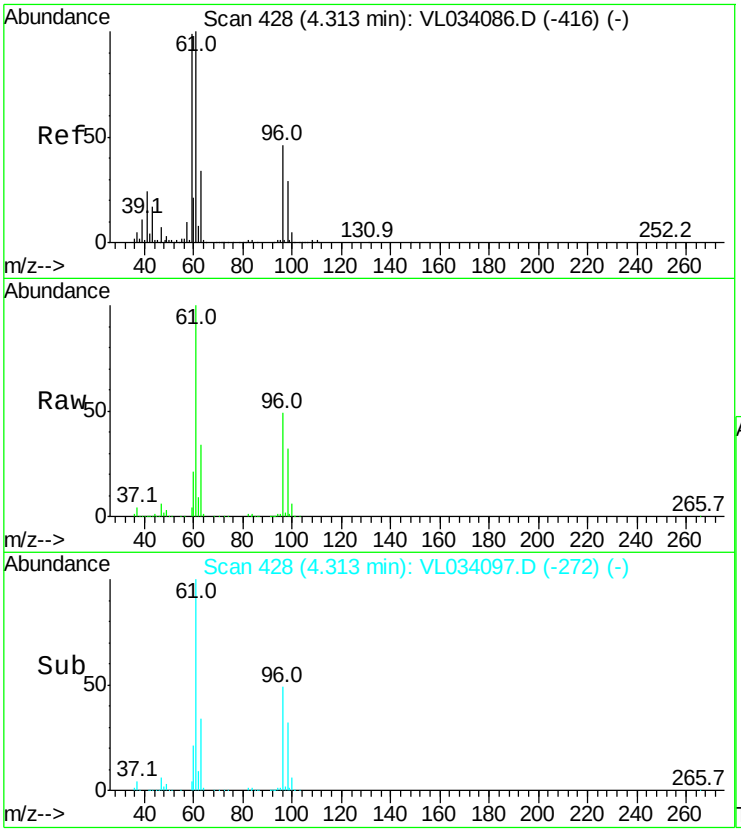


#17
tert-Butyl alcohol
Concen: 0.258 ppbv
RT: 4.31 min Scan# 428
Delta R.T. -0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 59 Resp: 42488

Ion	Ratio	Lower	Upper
59	100		
57	1.0	8.4	12.6#



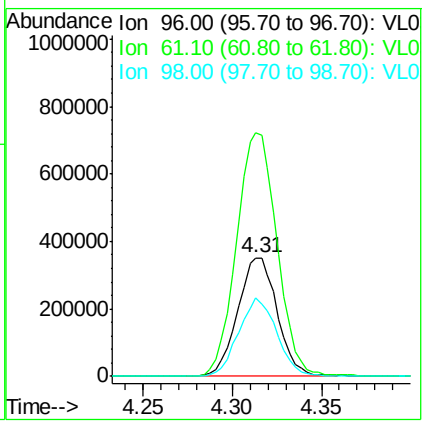


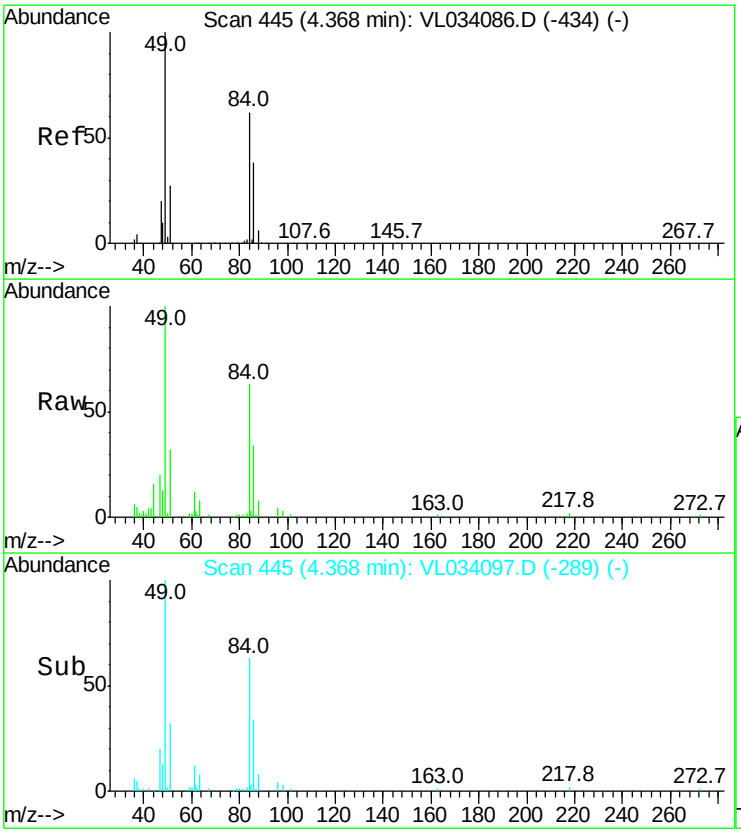
#18
1,1-Dichloroethene
Concen: 8.985 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument : MSVOA_L
ClientSampleId : E049-1100DL

Tgt Ion: 96 Resp: 541117

Ion	Ratio	Lower	Upper
96	100		
61	204.9	173.1	259.7
98	65.9	50.3	75.5

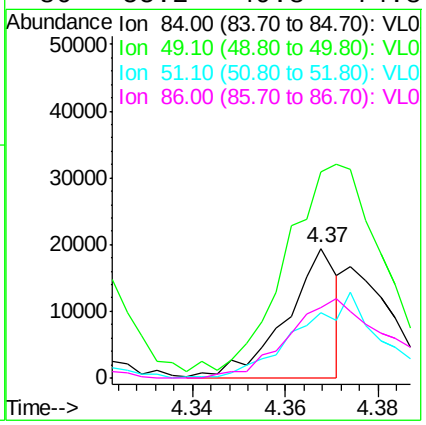


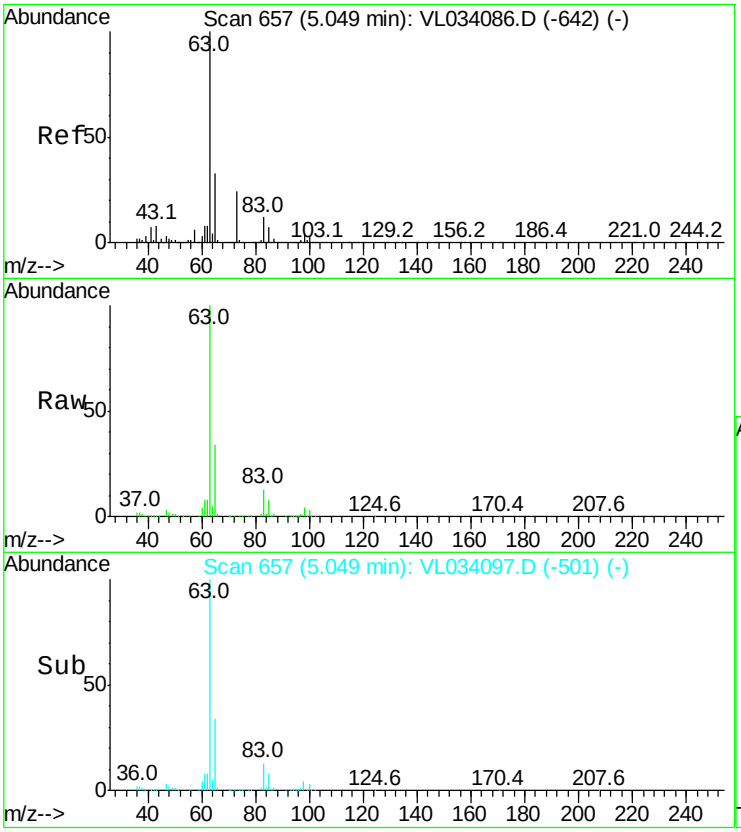


#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 84 Resp: 14910

Ion	Ratio	Lower	Upper
84	100		
49	156.0	129.7	194.5
51	49.8	35.8	53.8
86	55.2	49.8	74.8



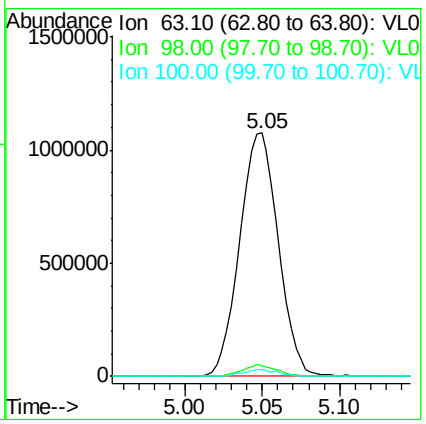


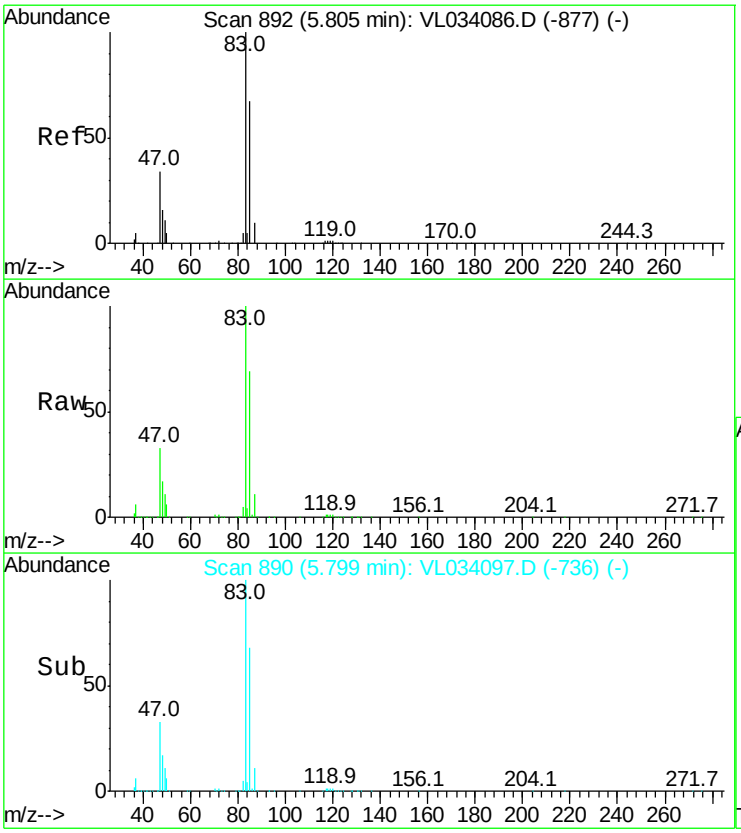
#24
1,1-Dichloroethane
Concen: 10.713 ppbv
RT: 5.05 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 63 Resp: 1867945

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.8	1.3	3.8

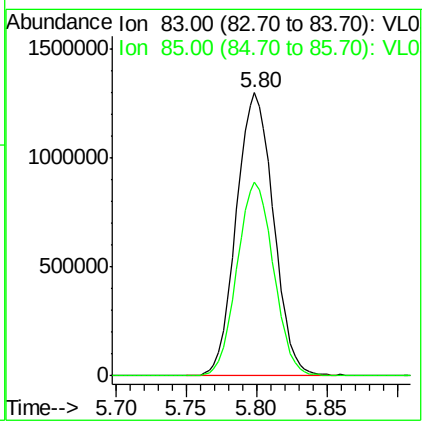


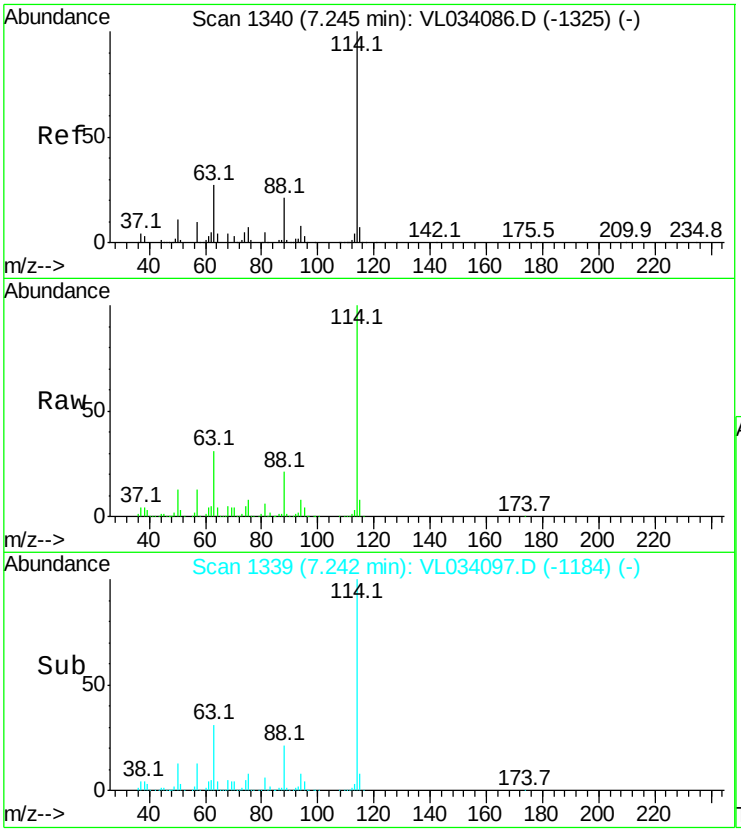


#29
Chloroform
Concen: 12.004 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 83 Resp: 2404421

Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.2	79.8



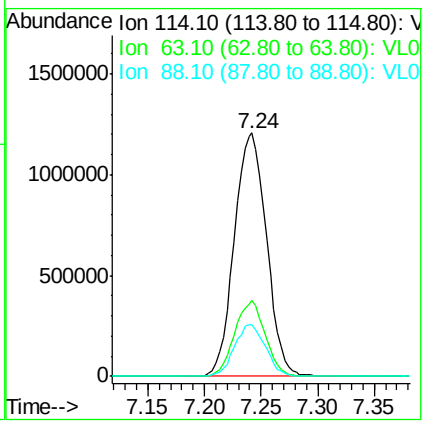


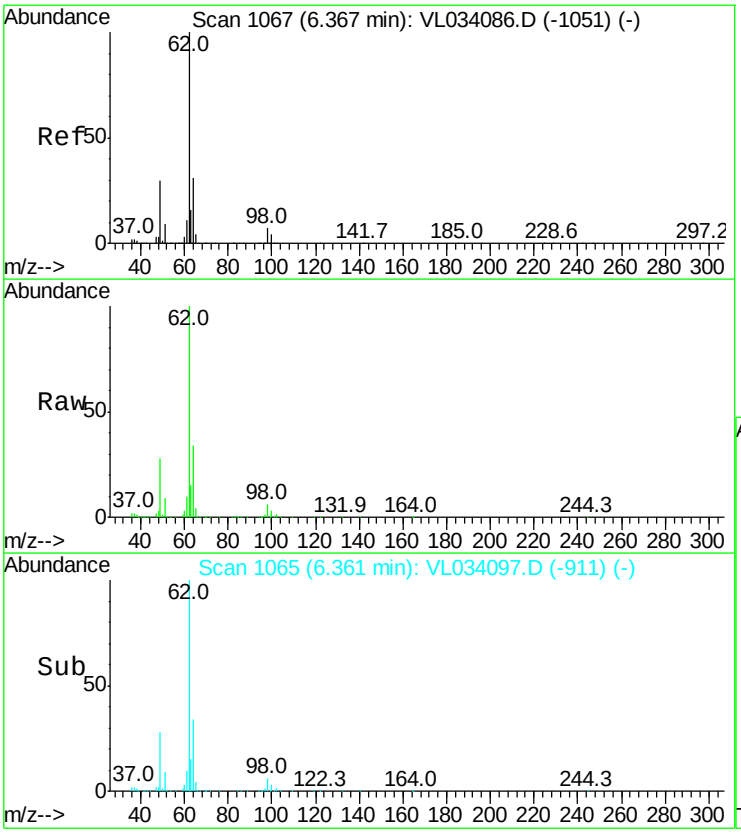
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument : MSVOA_L
ClientSampleId : E049-1100DL

Tgt Ion:114 Resp: 2386248

Ion	Ratio	Lower	Upper
114	100		
63	29.7	22.5	33.7
88	20.5	15.7	23.5

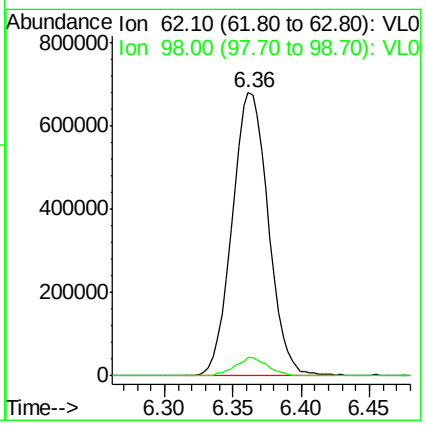


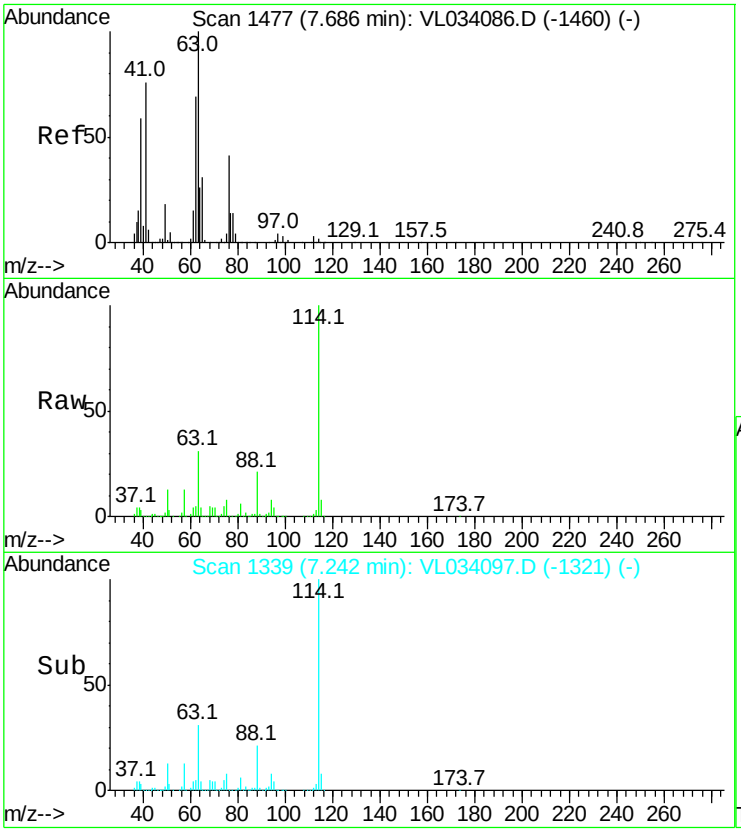


#37
1,2-Dichloroethane
Concen: 8.579 ppbv
RT: 6.36 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 62 Resp: 1251774

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3



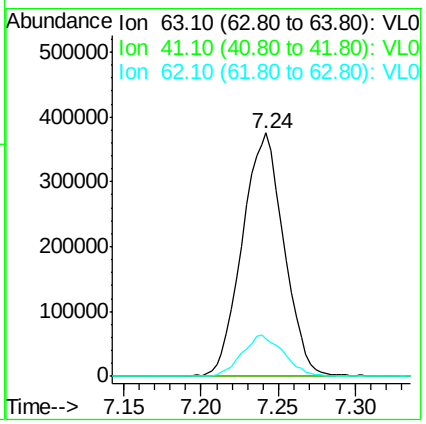


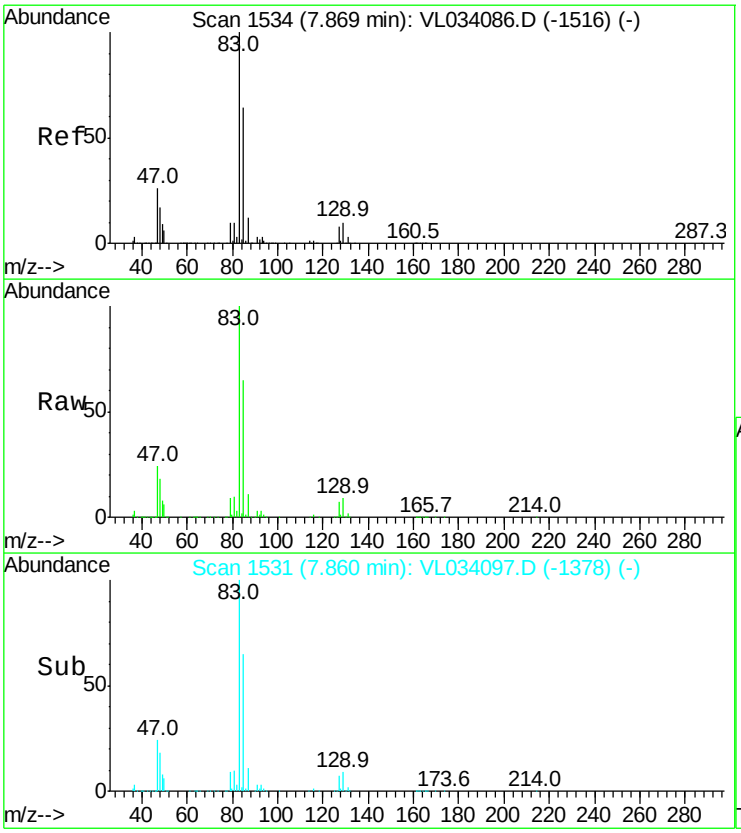
#39
1,2-Dichloropropane
Concen: 6.431 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.44 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 63 Resp: 703807

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.6	91.0#
62	15.5	55.0	82.6#

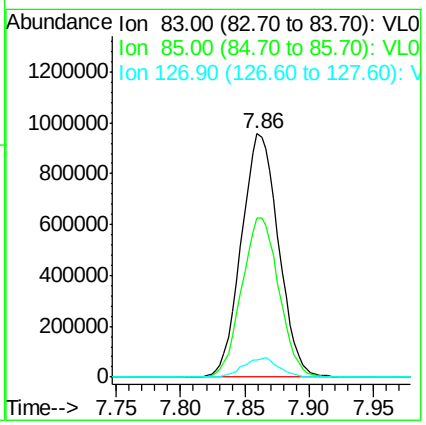


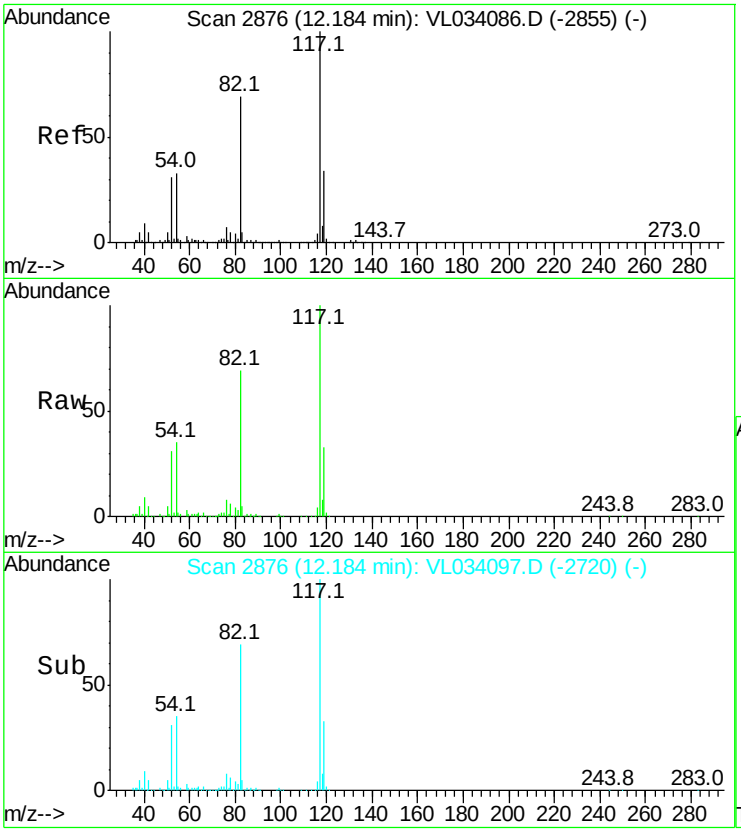


#42
Bromodichloromethane
Concen: 9.395 ppbv
RT: 7.86 min Scan# 1531
Delta R.T. -0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 83 Resp: 1922131

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3
127	7.0	6.1	9.1



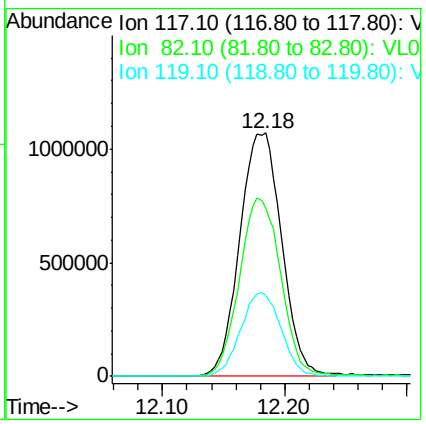


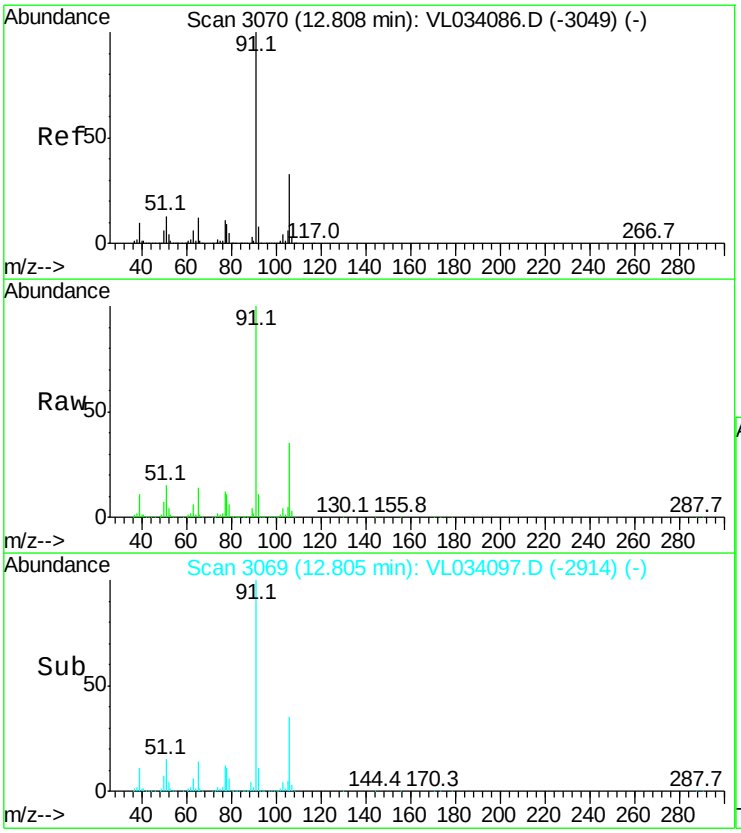
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion:117 Resp: 2546122

Ion	Ratio	Lower	Upper
117	100		
82	72.8	52.2	78.4
119	33.6	44.8	67.2#

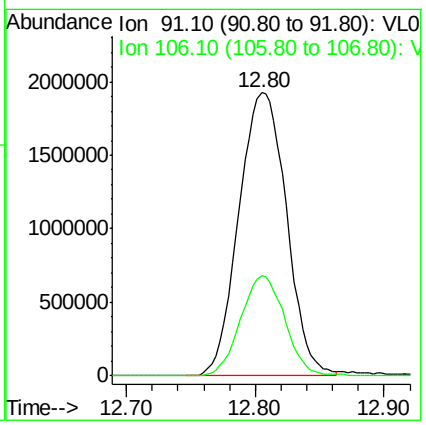


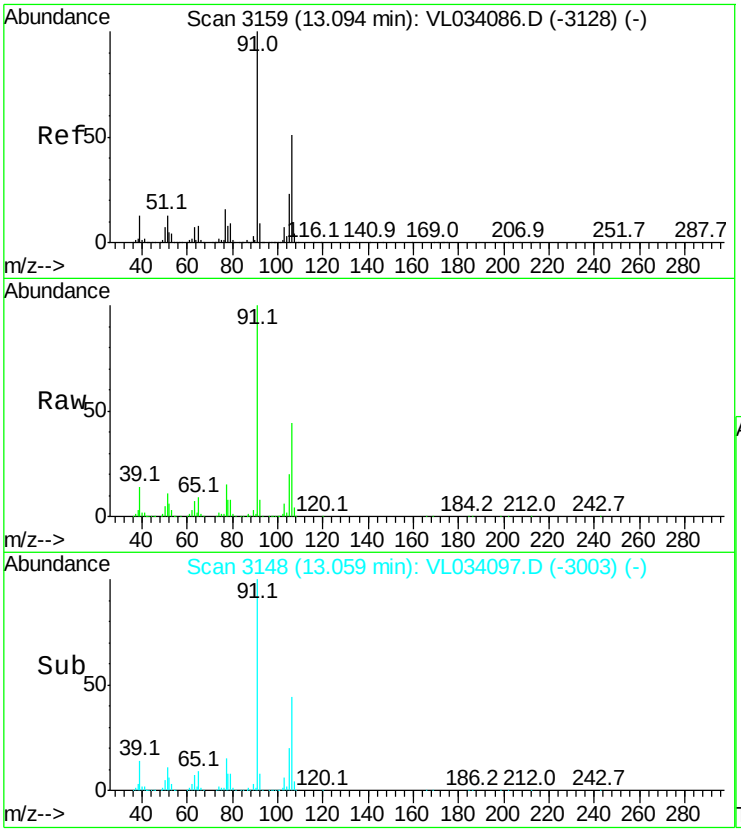


#58
Ethyl Benzene
Concen: 11.561 ppbv
RT: 12.80 min Scan# 3069
Delta R.T. -0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 91 Resp: 4949588

Ion	Ratio	Lower	Upper
91	100		
106	35.2	26.0	39.0



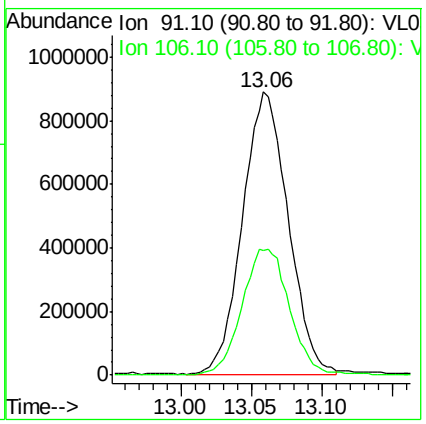


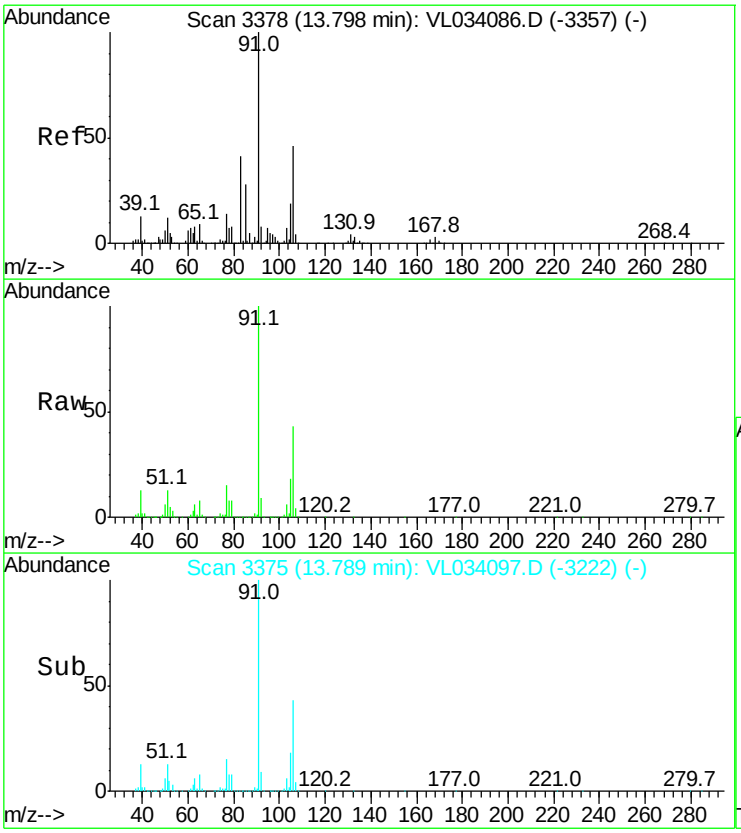
#59
m/p-Xylene
Concen: 5.844 ppbv
RT: 13.06 min Scan# 3148
Delta R.T. -0.04 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument : MSVOA_L
ClientSampleId : E049-1100DL

Tgt Ion: 91 Resp: 2008378

Ion	Ratio	Lower	Upper
91	100		
106	46.4	38.7	58.1

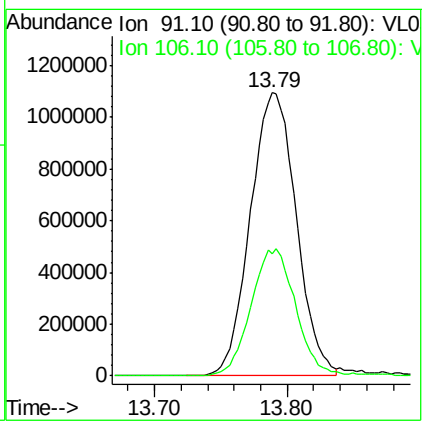


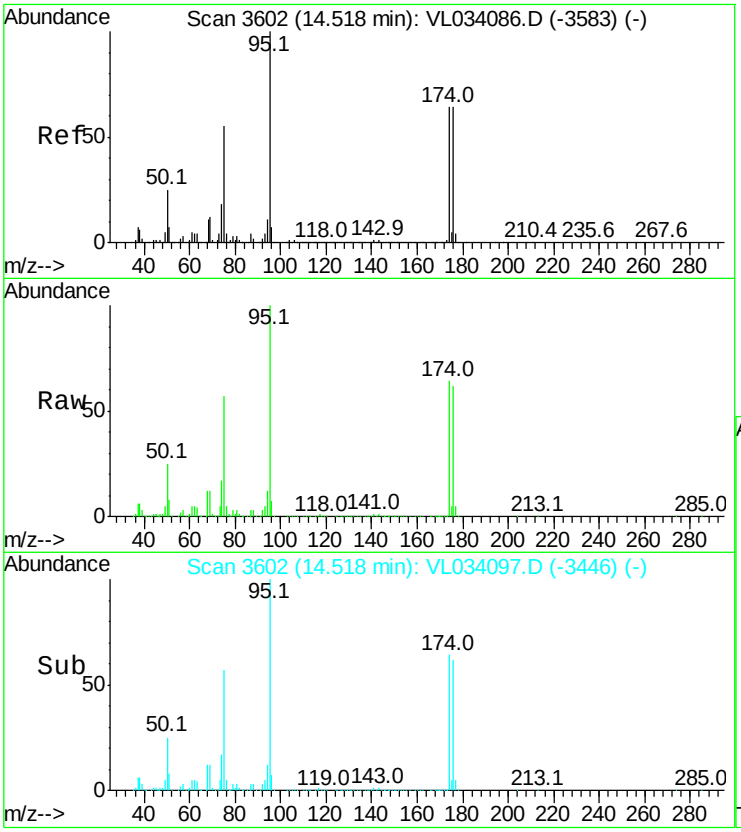


#60
o-Xylene
Concen: 7.693 ppbv
RT: 13.79 min Scan# 3375
Delta R.T. -0.01 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Tgt Ion: 91 Resp: 2642217

Ion	Ratio	Lower	Upper
91	100		
106	44.3	22.6	67.7





#68
1-Bromo-4-Fluorobenzene
Concen: 11.474 ppbv
RT: 14.52 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VL034097.D
Acq: 6 Aug 2019 9:49

Instrument :
MSVOA_L
ClientSampleId :
E049-1100DL

Tgt Ion: 95 Resp: 2370442

Ion	Ratio	Lower	Upper
95	100		
174	64.5	53.0	79.6
175	4.9	4.2	6.2