Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034498.D
Acq On : 17 Dec 2019 18:33
Operator : SY/AP
Sample : K6319-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDL

Quant Time: Dec 18 04:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	963037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1927958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1903869	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1628062	10.16	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	9132	0.052	ppbv #	81
3) Chlorodifluoromethane	2.96	51	4113	0.034	ppbv #	89
9) Propene	3.00	41	12049	0.226	ppbv #	78
13) Ethanol	3.58	45	792394	53.324	ppbv	95
15) Acetone	3.84	43	110470	0.801	ppbv	97
19) Isopropyl Alcohol	3.58	45	792394	8.964	ppbv #	96
20) Methylene Chloride	4.34	84	27397	0.560	ppbv	87
25) Ethyl Acetate	5.69	43	13036	0.053	ppbv #	84
26) Hexane	5.69	57	6247	0.059	ppbv #	1
29) Chloroform	5.75	83	6386	0.037	ppbv	87
39) 1,2-Dichloropropane	7.20	63	567701	7.646	ppbv #	23

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

Quantitation Report (Not Reviewed)

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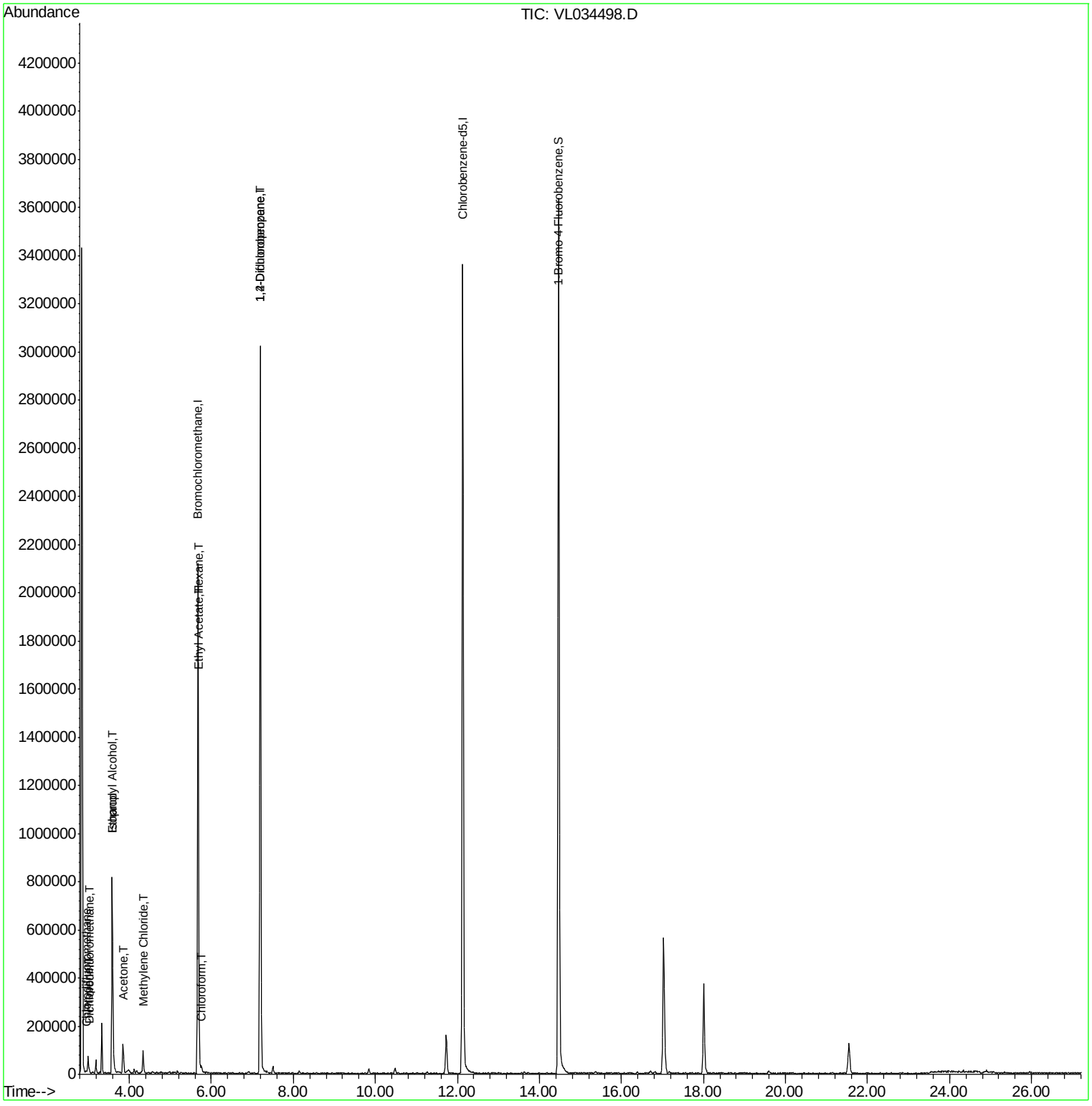
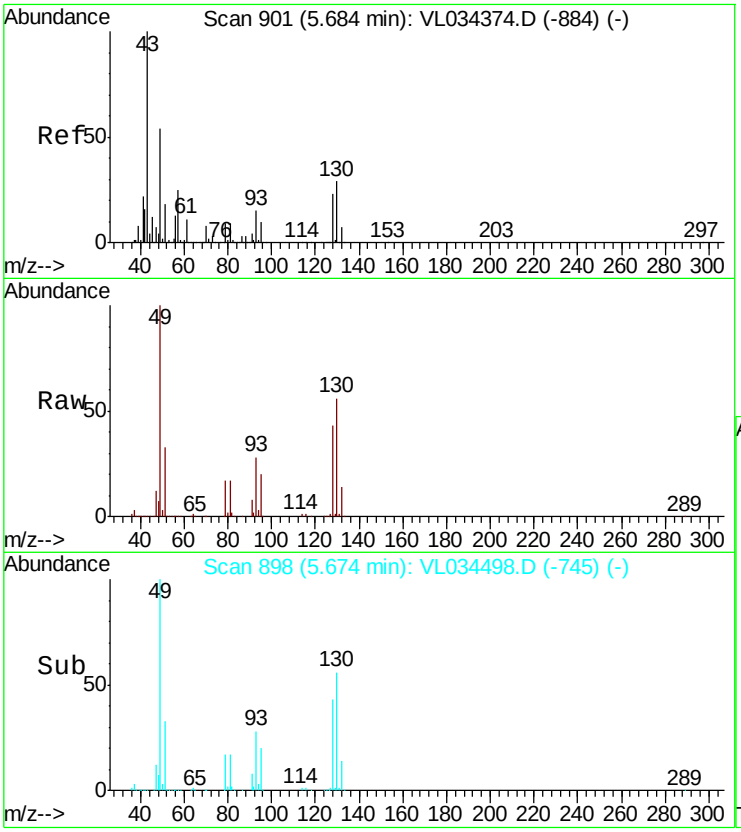


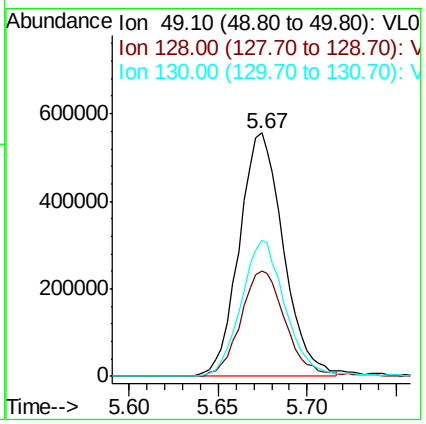


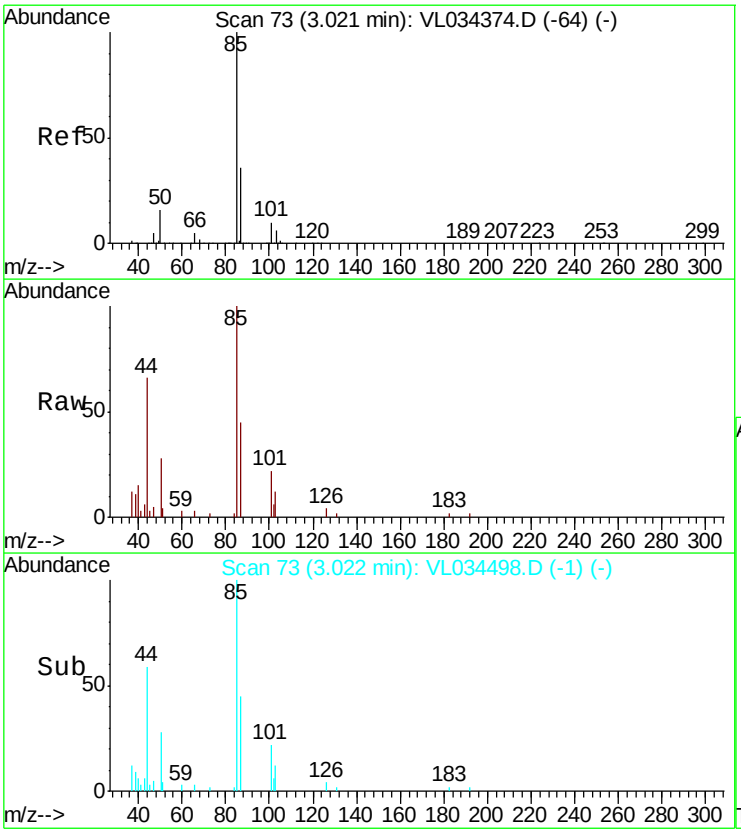
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDL

Tgt Ion: 49 Resp: 963037

Ion	Ratio	Lower	Upper
49	100		
128	44.6	21.8	65.3
130	56.4	28.0	84.0

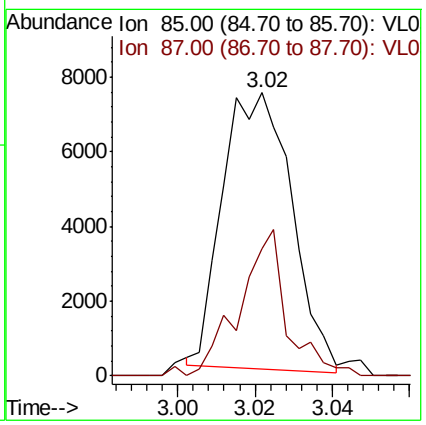


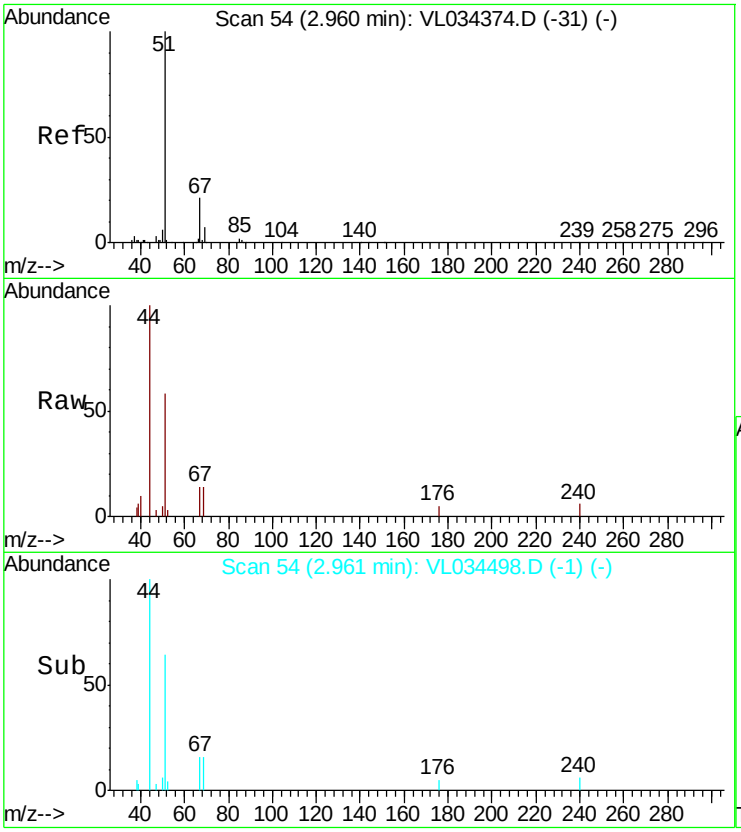


#2
Dichlorodifluoromethane
Concen: 0.052 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion: 85 Resp: 9132

Ion	Ratio	Lower	Upper
85	100		
87	46.9	28.5	42.7#



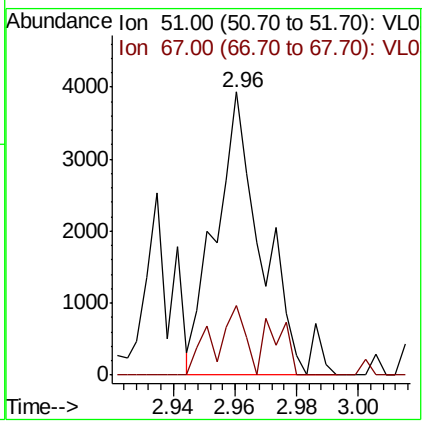


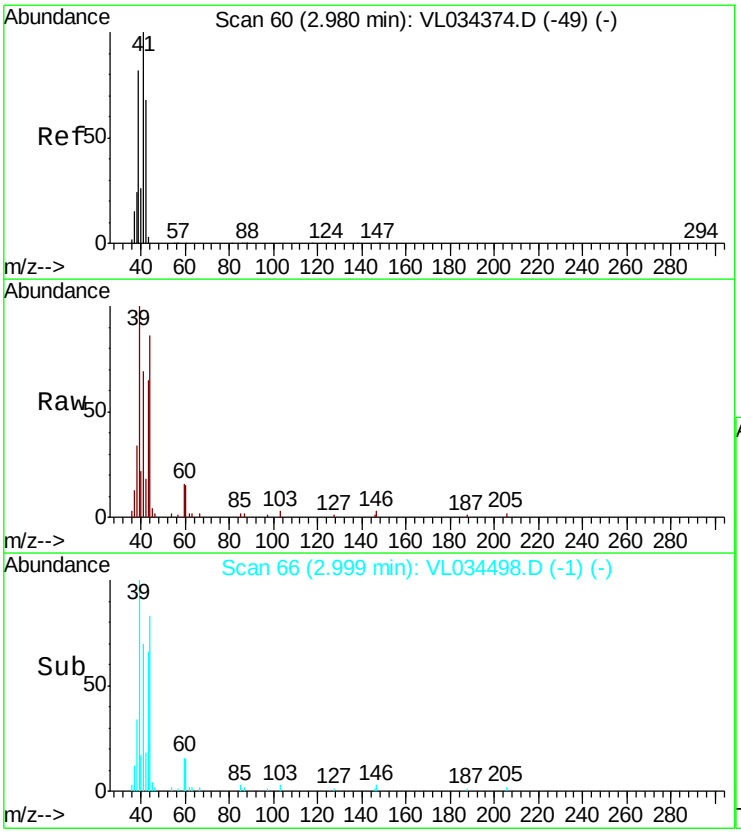
#3
Chlorodifluoromethane
Concen: 0.034 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDL

Tgt Ion: 51 Resp: 4113

Ion	Ratio	Lower	Upper
51	100		
67	25.2	16.2	24.2#

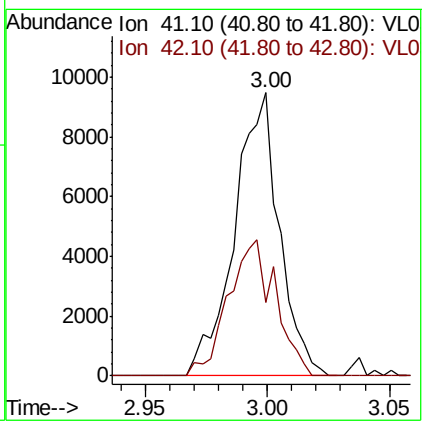


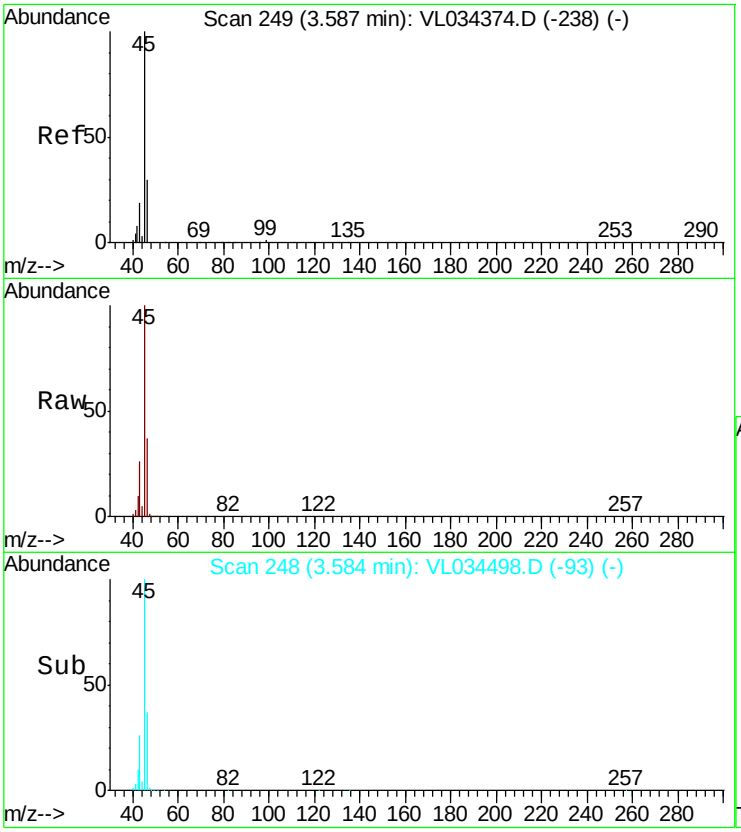


#9
Propene
Concen: 0.226 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.02 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion: 41 Resp: 12049

Ion	Ratio	Lower	Upper
41	100		
42	50.9	54.6	82.0#



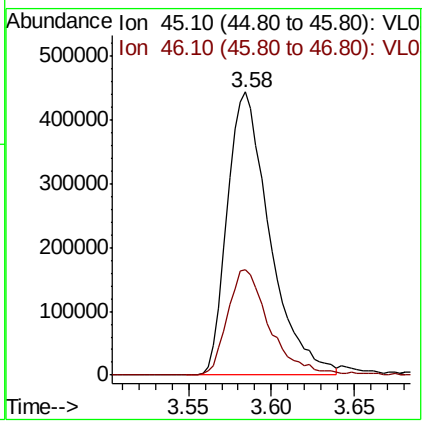


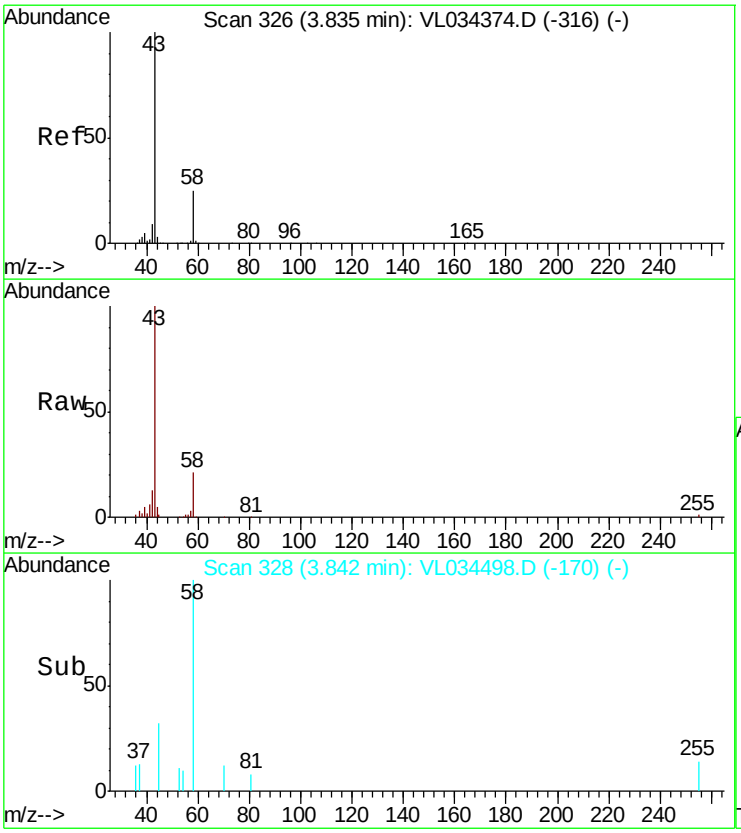
#13
Ethanol
Concen: 53.324 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDL

Tgt Ion: 45 Resp: 792394

Ion	Ratio	Lower	Upper
45	100		
46	37.5	13.8	55.4

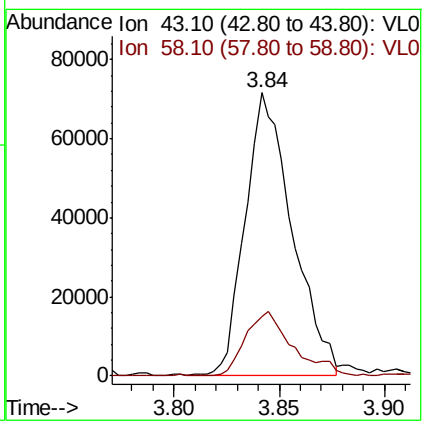


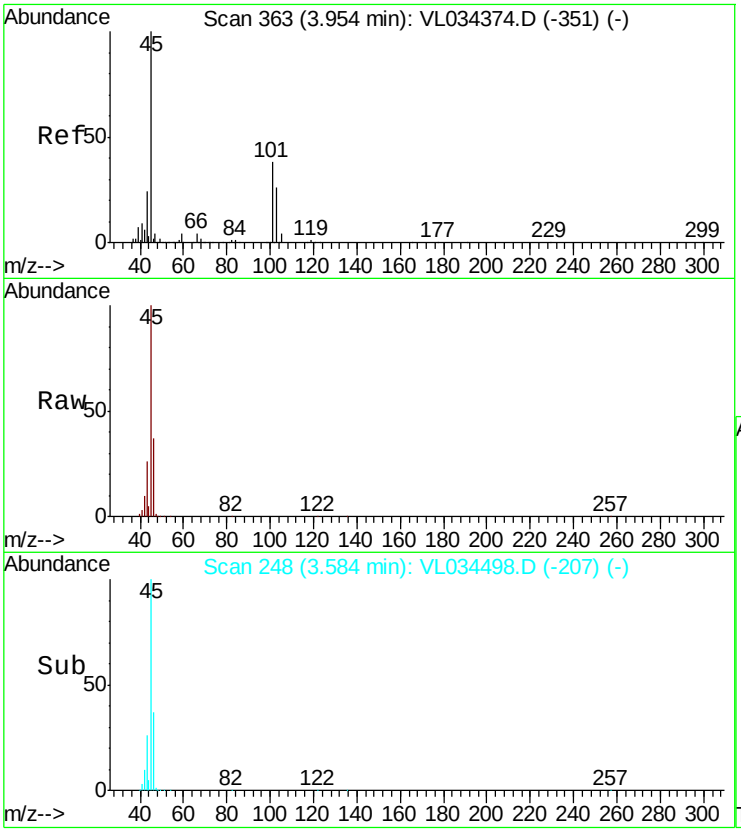


#15
Acetone
Concen: 0.801 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion: 43 Resp: 110470

Ion	Ratio	Lower	Upper
43	100		
58	23.7	20.2	30.4



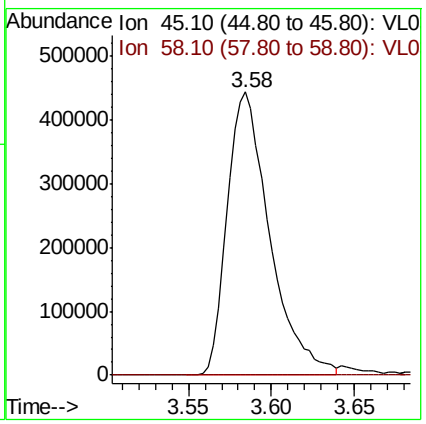


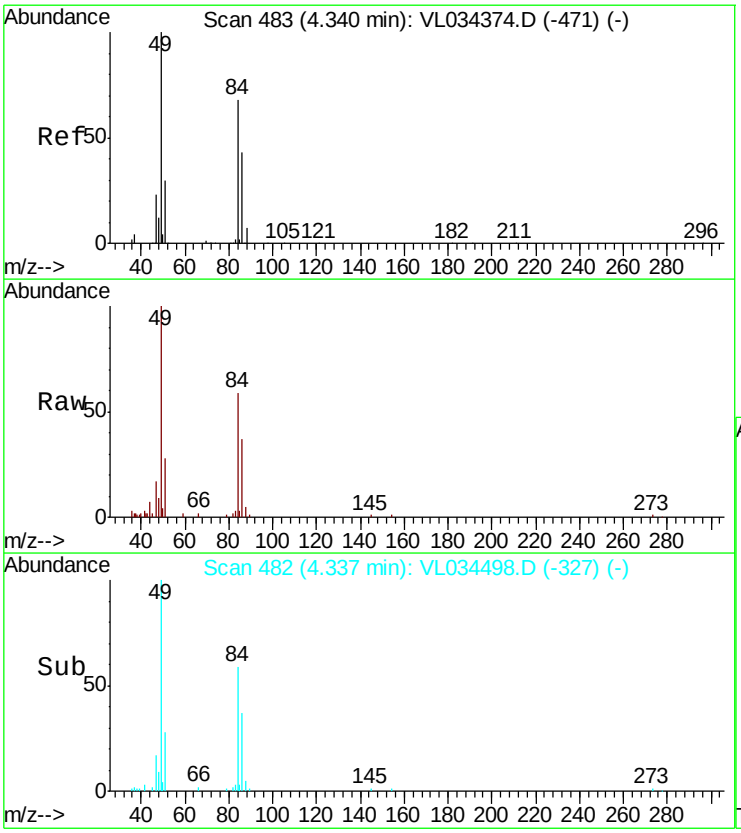
#19
Isopropyl Alcohol
Concen: 8.964 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.37 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDL

Tgt Ion: 45 Resp: 792394

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#

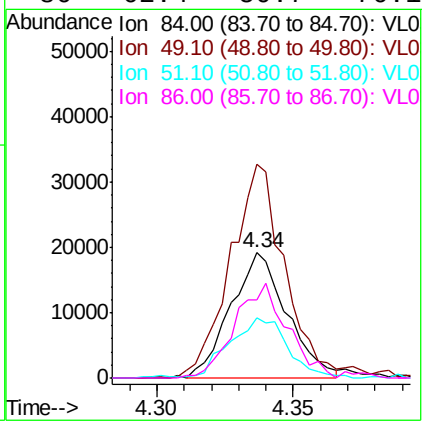


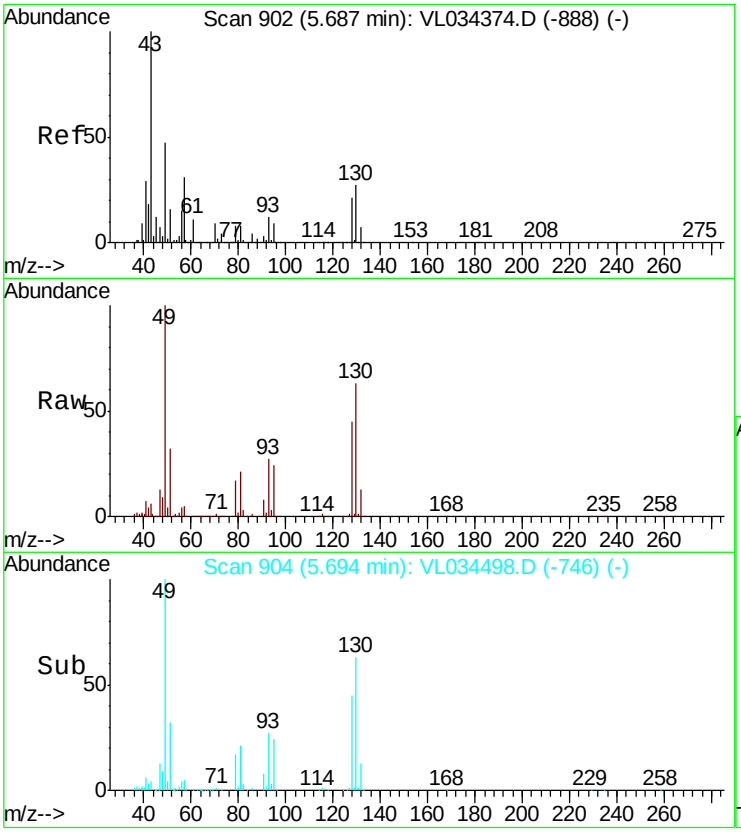


#20
Methylene Chloride
Concen: 0.560 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion: 84 Resp: 27397

Ion	Ratio	Lower	Upper
84	100		
49	171.7	116.8	175.2
51	46.5	35.6	53.4
86	62.4	50.7	76.1



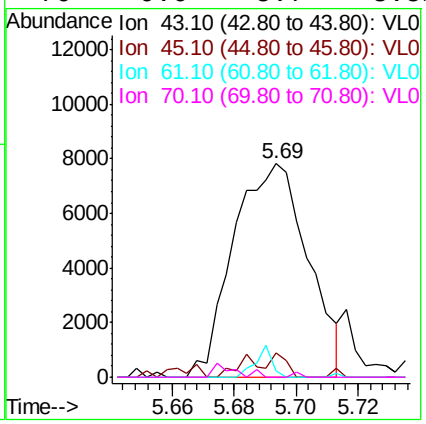


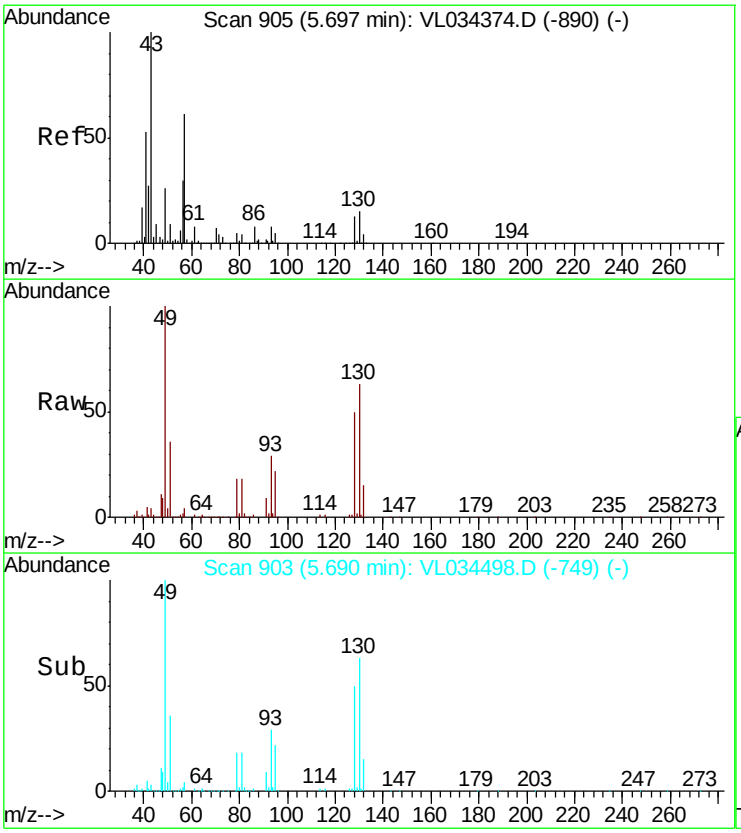
#25
Ethyl Acetate
Concen: 0.053 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument : MSVOA_L
ClientSampleId : LIHA-IAHDL

Tgt Ion: 43 Resp: 13036

Ion	Ratio	Lower	Upper
43	100		
45	5.3	8.2	12.4#
61	3.3	7.5	11.3#
70	0.0	5.7	8.5#

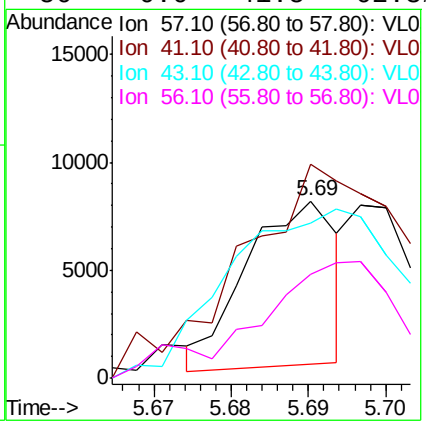


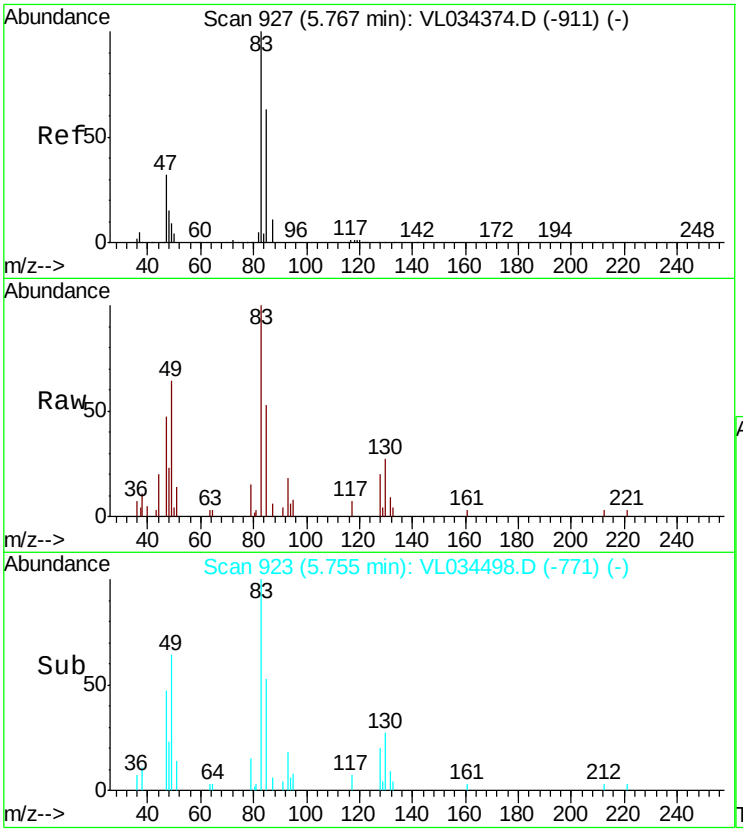


#26
Hexane
Concen: 0.059 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion: 57 Resp: 6247

Ion	Ratio	Lower	Upper
57	100		
41	266.8	75.0	112.4#
43	0.0	186.6	279.8#
56	0.0	41.5	62.3#



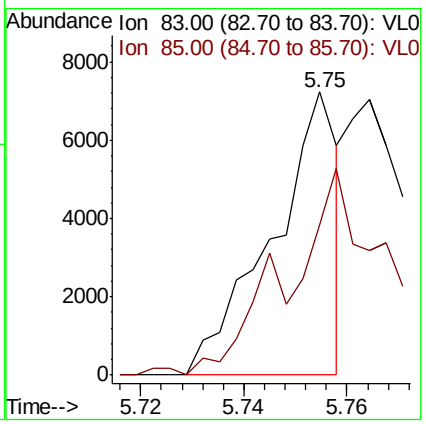


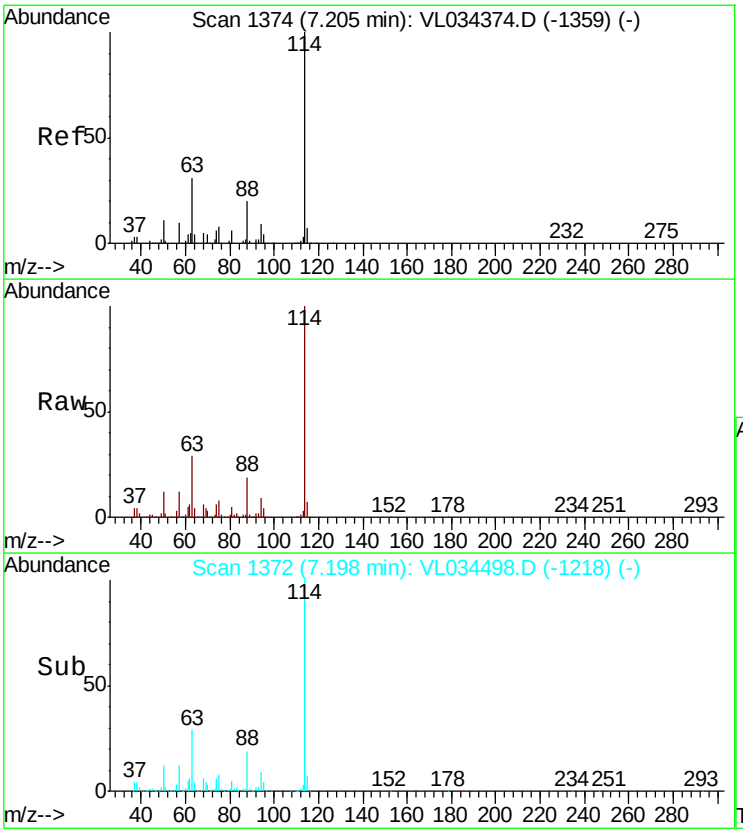
#29
Chloroform
Concen: 0.037 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDL

Tgt Ion: 83 Resp: 6386

Ion	Ratio	Lower	Upper
83	100		
85	53.0	50.4	75.6

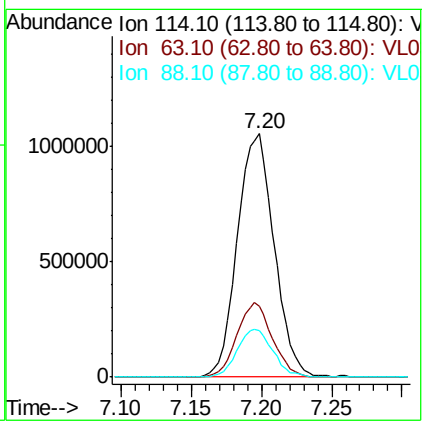


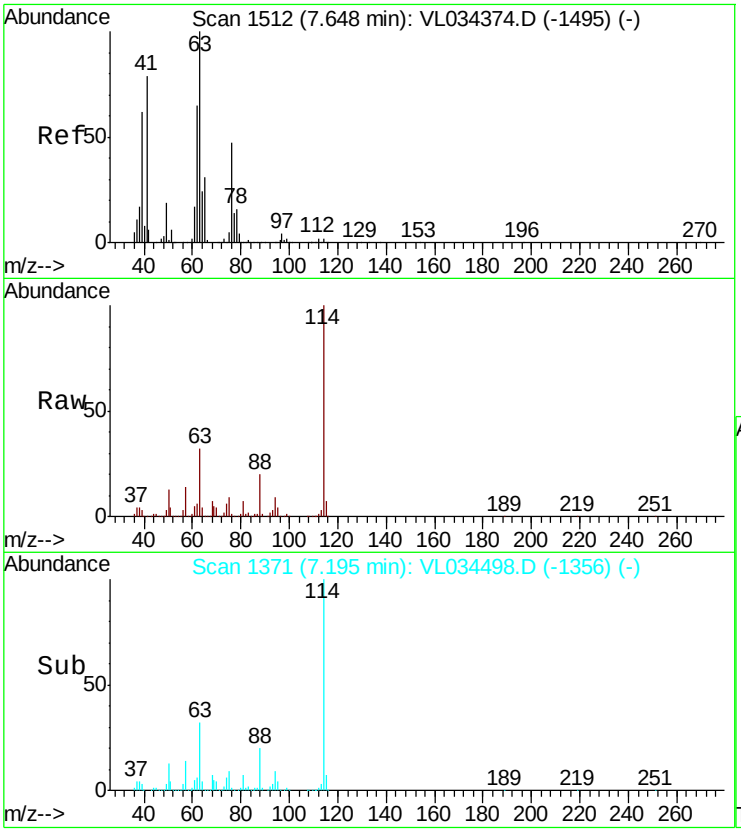


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion:114 Resp: 1927958

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.2	36.4
88	19.2	15.9	23.9



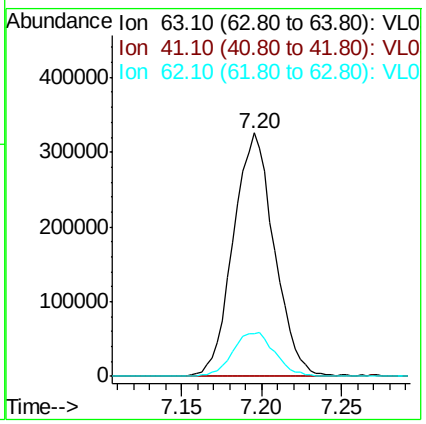


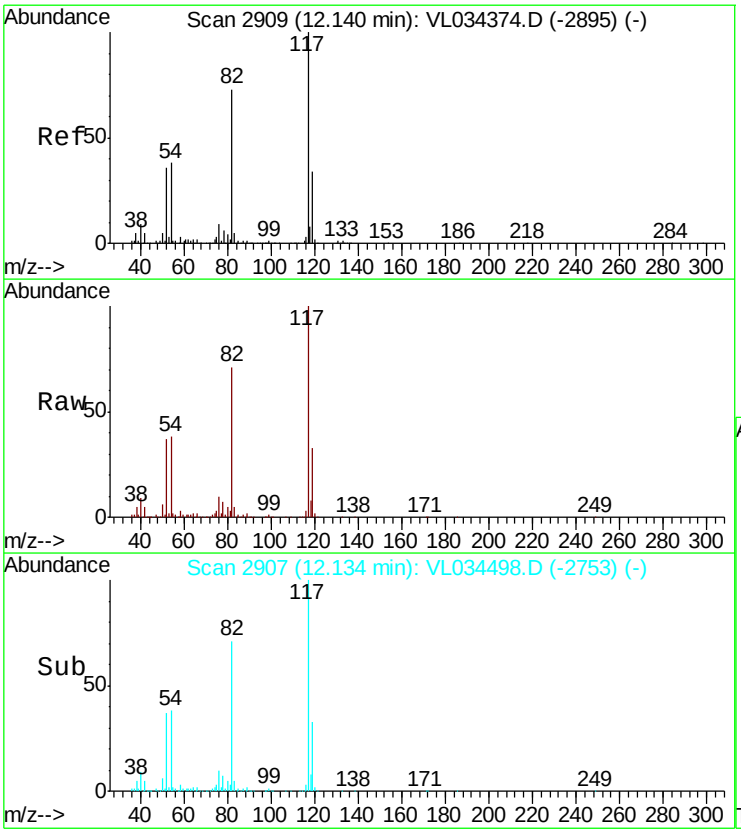
#39
1,2-Dichloropropane
Concen: 7.646 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.45 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDL

Tgt Ion: 63 Resp: 567701

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	17.5	52.3	78.5#

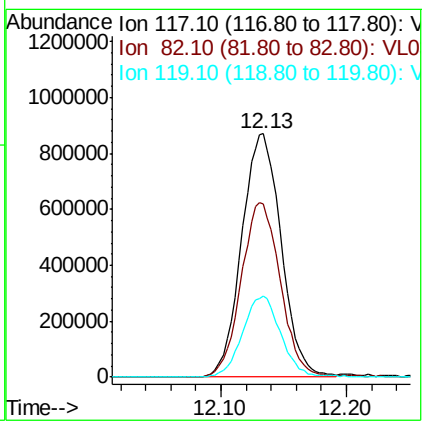


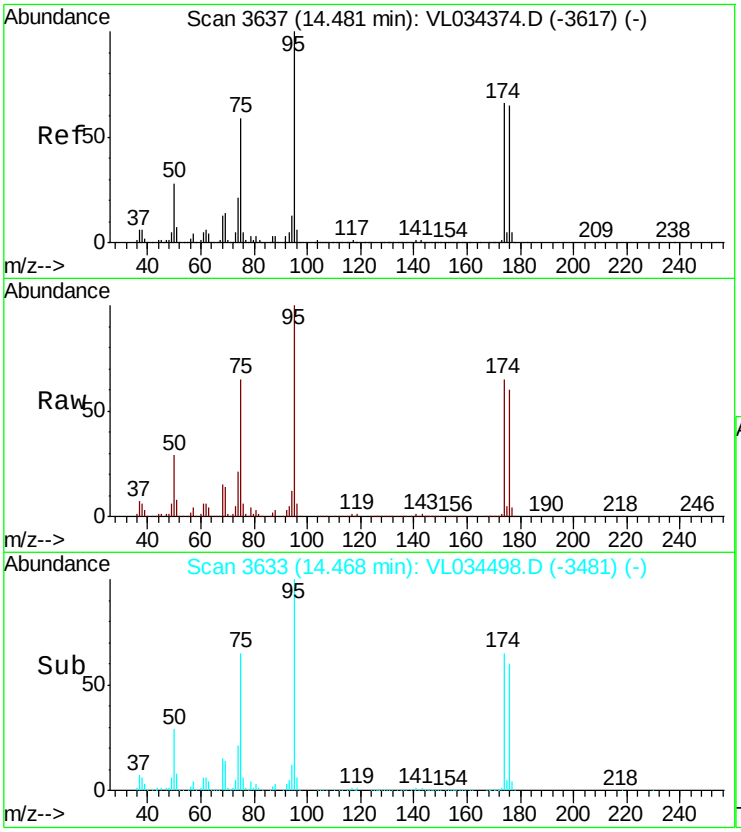


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Tgt Ion:117 Resp: 1903869

Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.5	86.3
119	32.5	25.4	38.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.165 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034498.D
Acq: 17 Dec 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAHDL

Tgt Ion: 95 Resp: 1628062

Ion	Ratio	Lower	Upper
95	100		
174	64.3	52.2	78.2
175	4.6	3.8	5.8