Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
Data File : VL037849.D
Acq On : 13 Oct 2021 9:52
Operator : SY/AP
Sample : QC101221 CAN 1065
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Quant Time: Oct 14 01:08:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1282547	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3576761	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2983866	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2069198	9.92	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	13710	0.067	ppbv	91
3) Chlorodifluoromethane	2.99	51	24977	0.101	ppbv #	88
4) Chloromethane	3.14	50	5590	0.062	ppbv	91
13) Ethanol	3.61	45	22043	2.973	ppbv	69
15) Acetone	3.85	43	78035	0.678	ppbv	94
20) Methylene Chloride	4.35	84	163638	2.813	ppbv	97
25) Ethyl Acetate	5.68	43	69541	0.215	ppbv #	81
26) Hexane	5.68	57	93773	0.589	ppbv #	44
34) 2-Butanone	5.25	43	3315	0.023	ppbv #	53
36) Benzene	6.88	78	6125	0.020	ppbv #	88
39) 1,2-Dichloropropane	7.17	63	853982	7.432	ppbv #	28

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

Quantitation Report (Not Reviewed)

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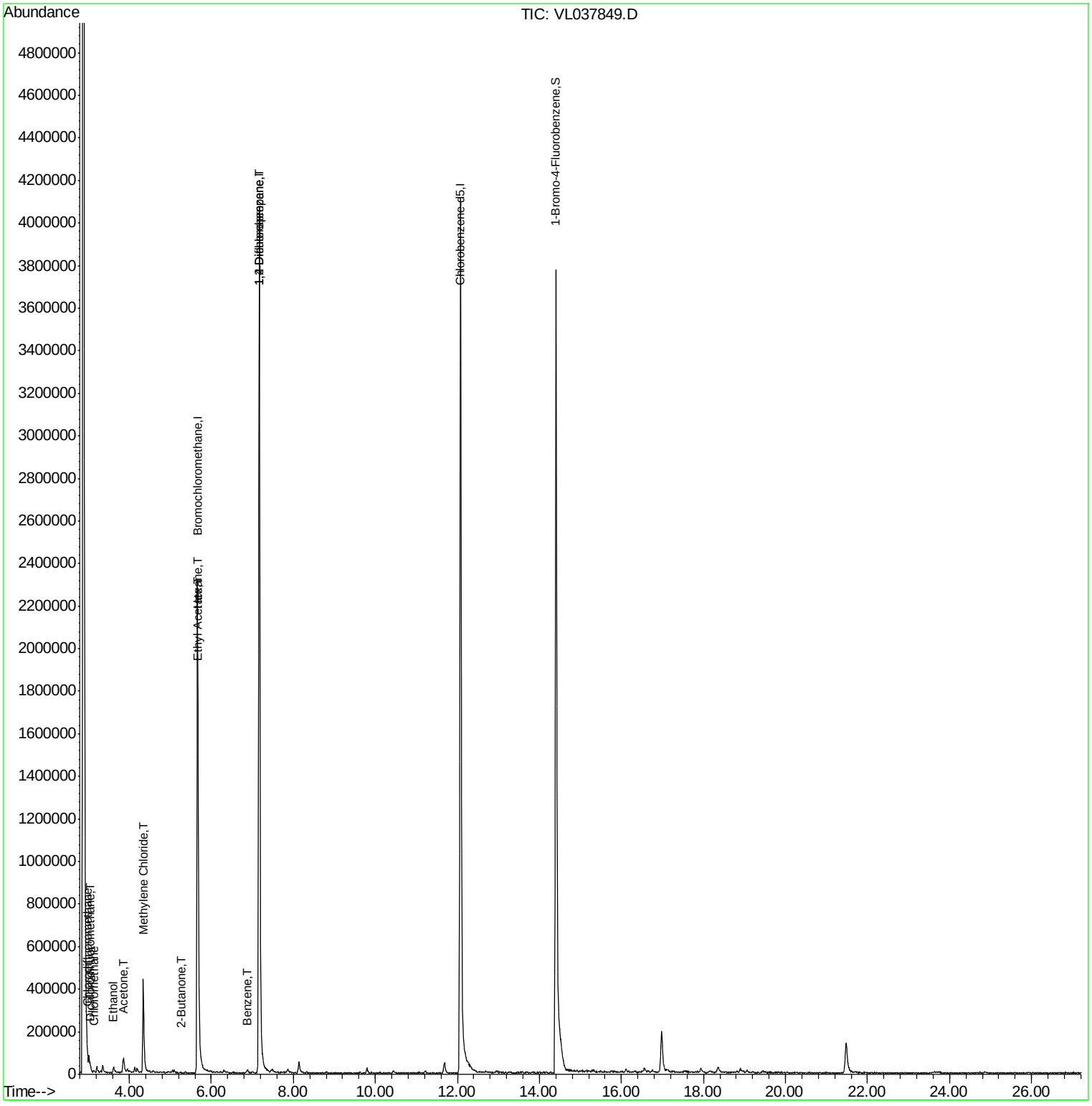
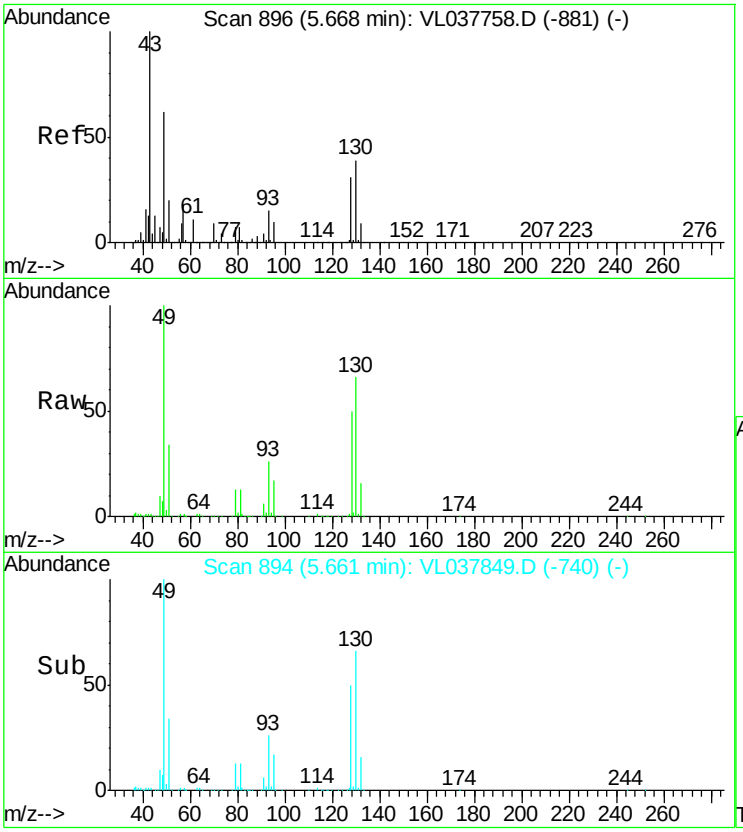


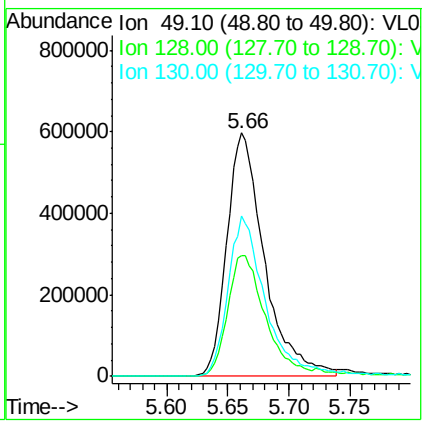


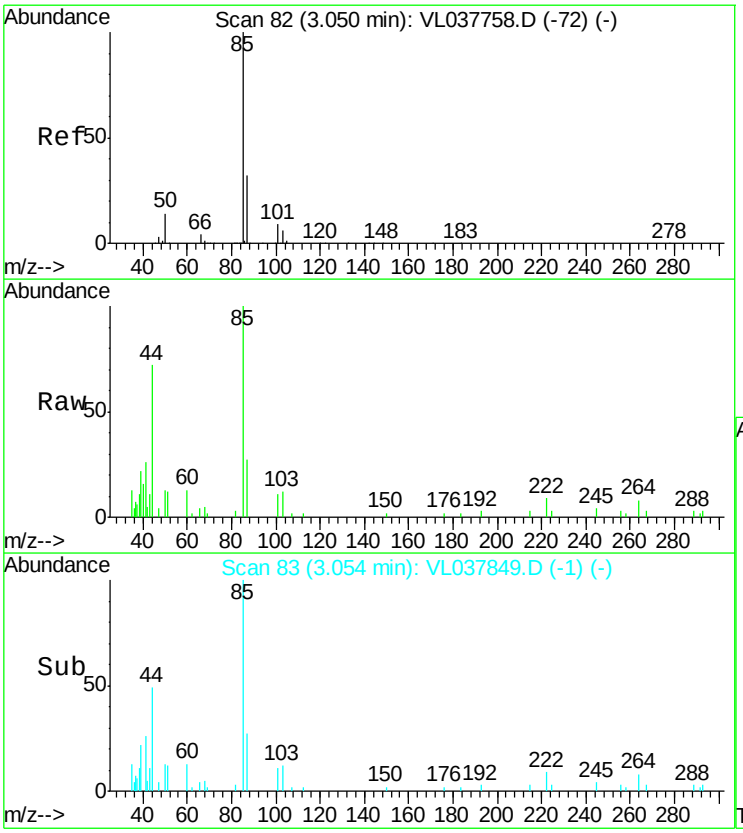
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 49 Resp: 1282547

Ion	Ratio	Lower	Upper
49	100		
128	52.6	27.1	81.3
130	67.0	33.2	99.6

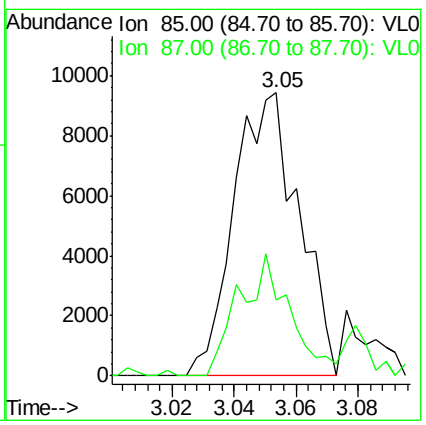


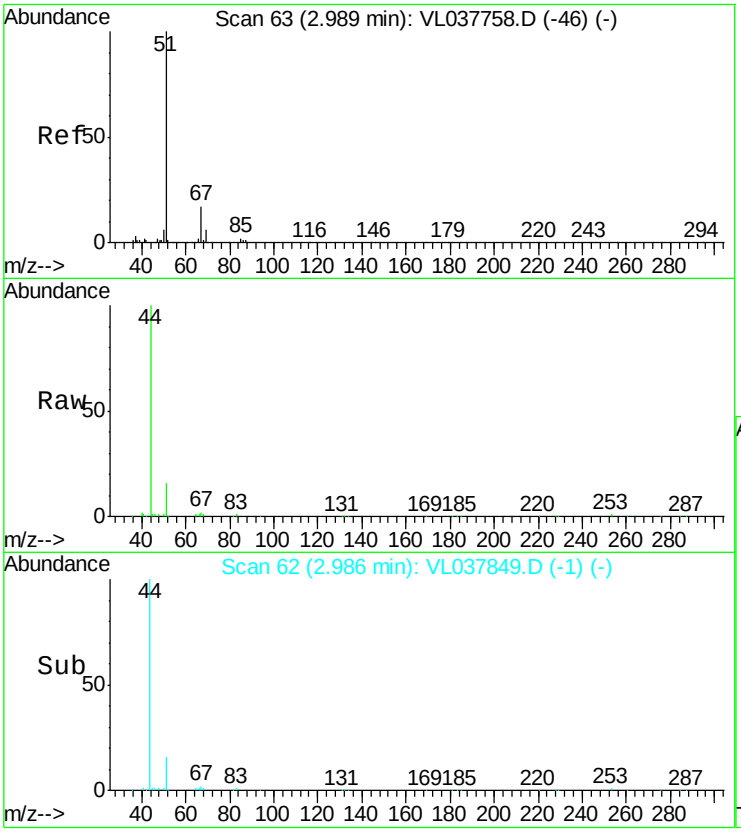


#2
Dichlorodifluoromethane
Concen: 0.067 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion: 85 Resp: 13710

Ion	Ratio	Lower	Upper
85	100		
87	27.0	25.7	38.5



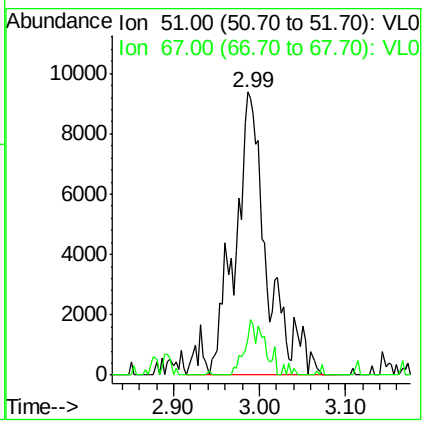


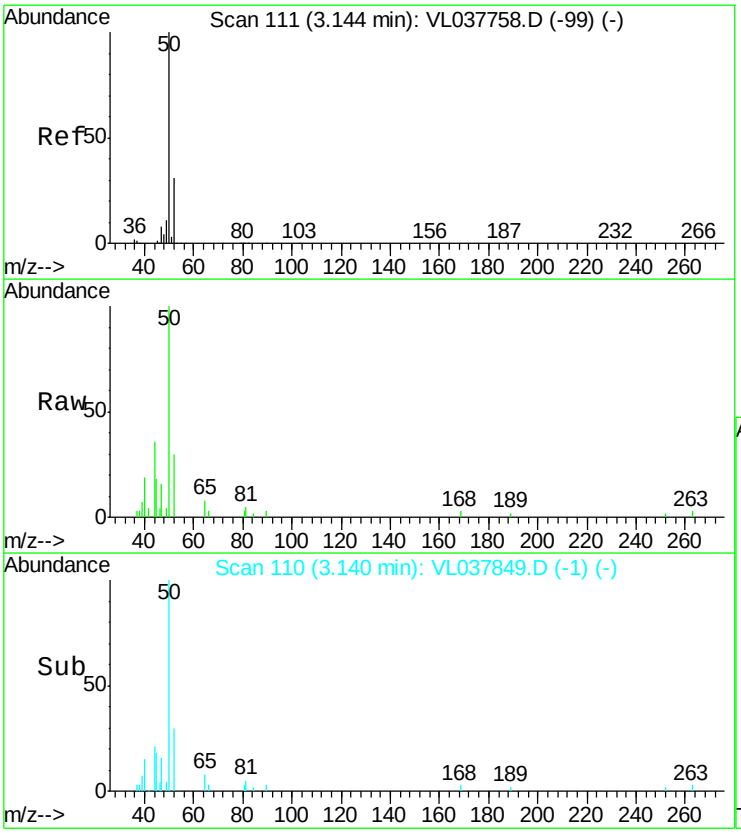
#3
Chlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 51 Resp: 24977

Ion	Ratio	Lower	Upper
51	100		
67	11.8	13.5	20.3#

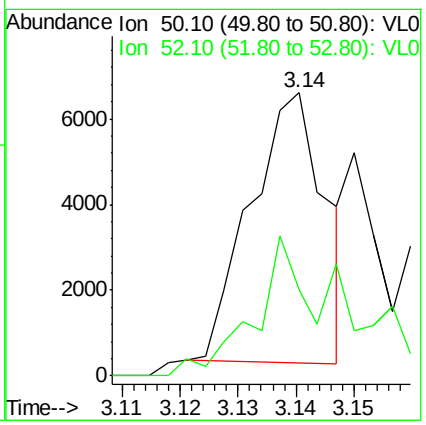


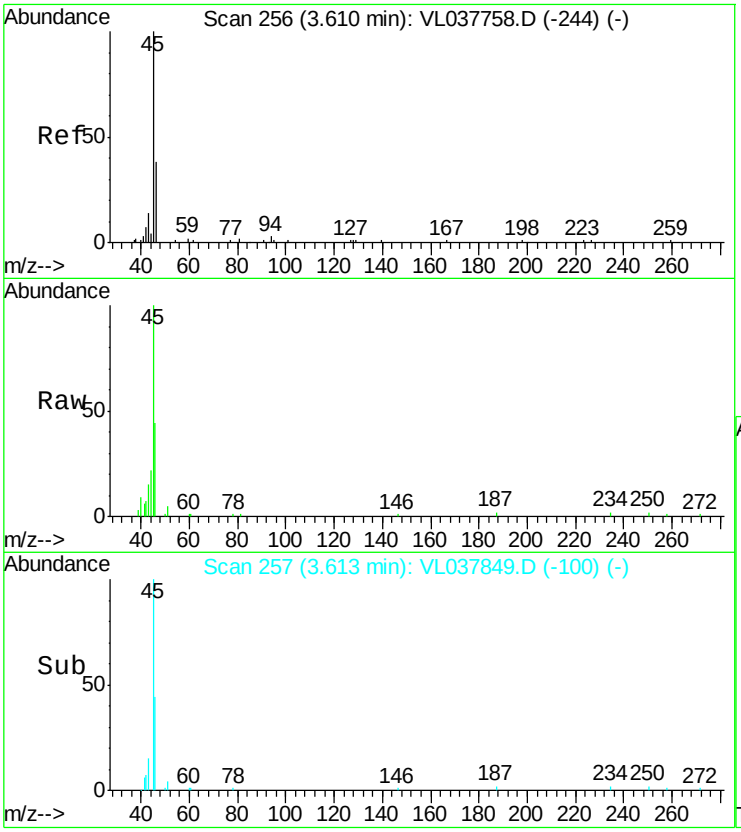


#4
Chloromethane
Concen: 0.062 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion: 50 Resp: 5590

Ion	Ratio	Lower	Upper
50	100		
52	25.6	24.4	36.6



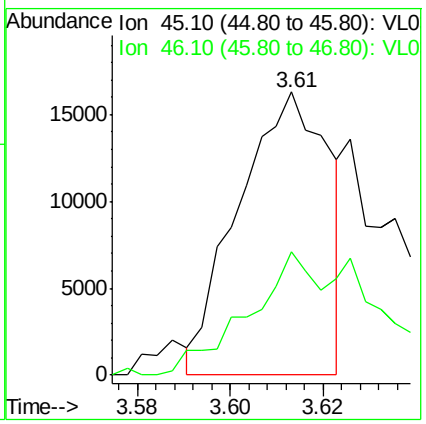


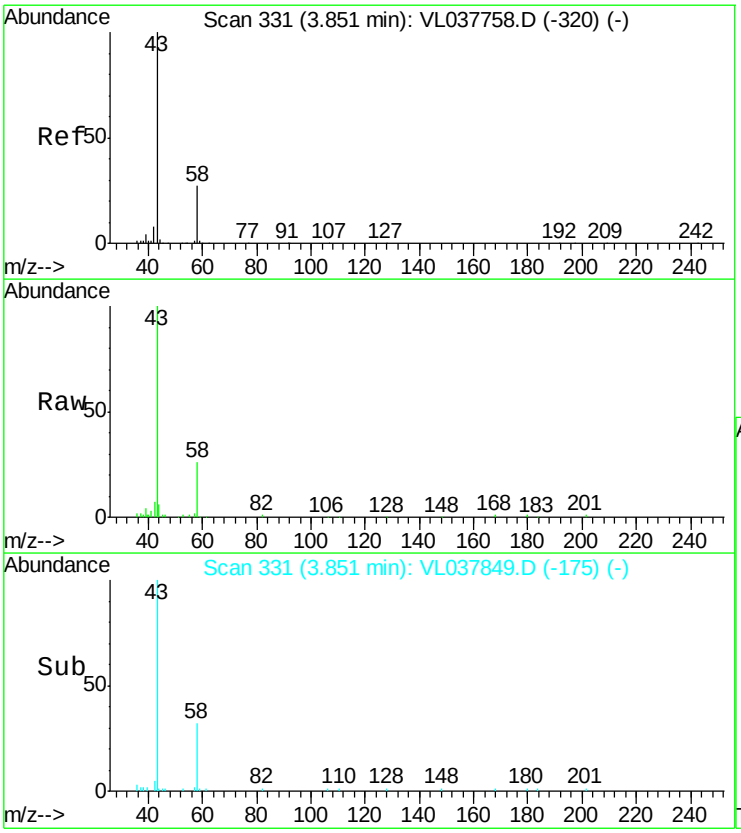
#13
Ethanol
Concen: 2.973 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 45 Resp: 22043

Ion	Ratio	Lower	Upper
45	100		
46	72.3	20.2	81.0

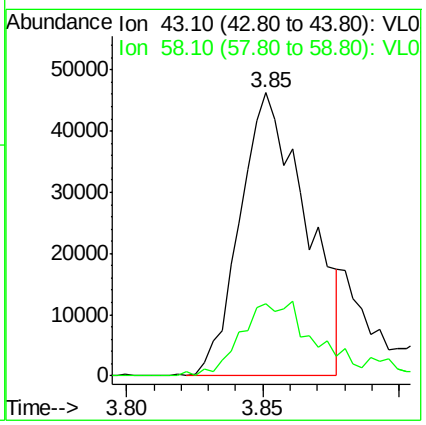


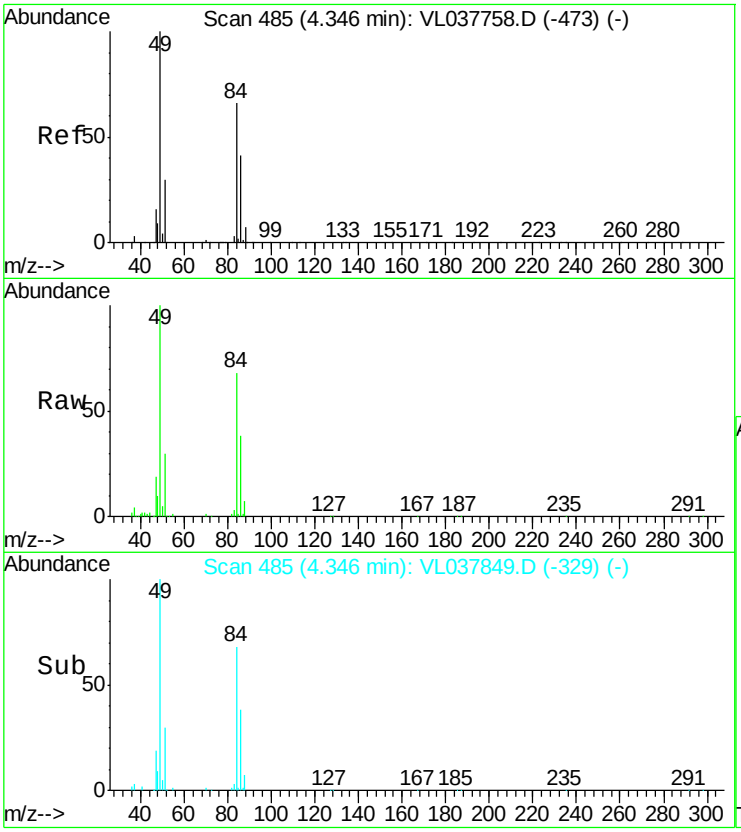


#15
Acetone
Concen: 0.678 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion: 43 Resp: 78035

Ion	Ratio	Lower	Upper
43	100		
58	31.9	23.0	34.6



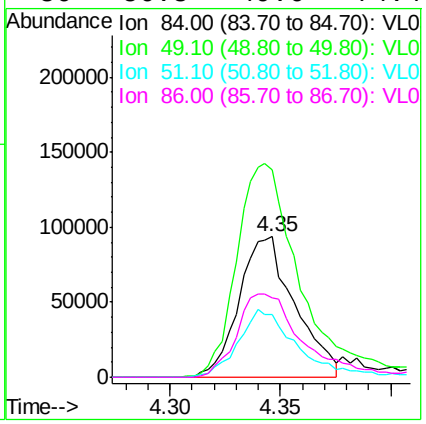


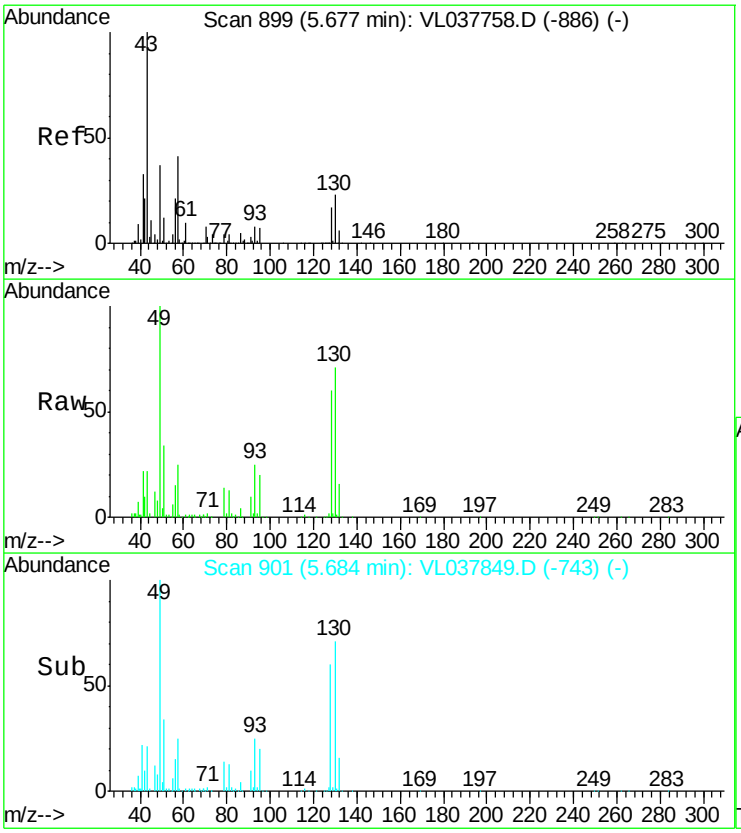
#20
Methylene Chloride
Concen: 2.813 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 84 Resp: 163638

Ion	Ratio	Lower	Upper
84	100		
49	148.0	120.7	181.1
51	44.5	36.2	54.4
86	56.8	49.6	74.4

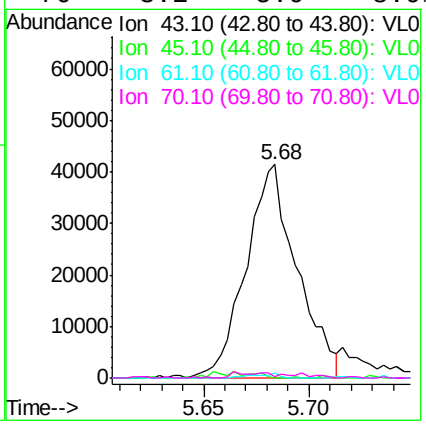


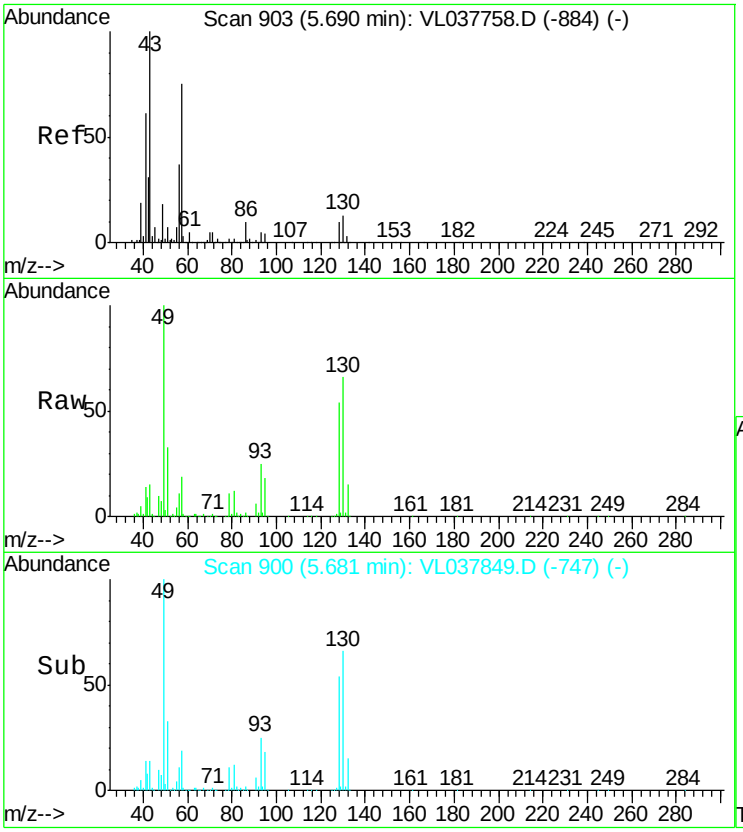


#25
Ethyl Acetate
Concen: 0.215 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion: 43 Resp: 69541

Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.1	12.1#
61	1.1	7.5	11.3#
70	3.2	5.9	8.9#



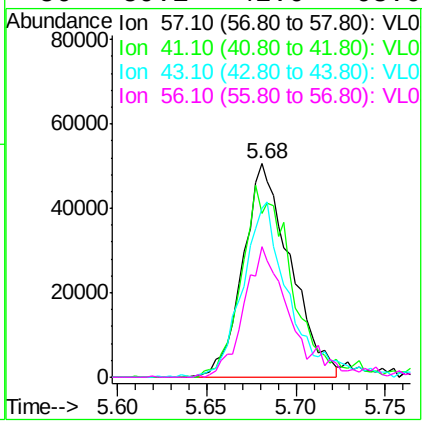


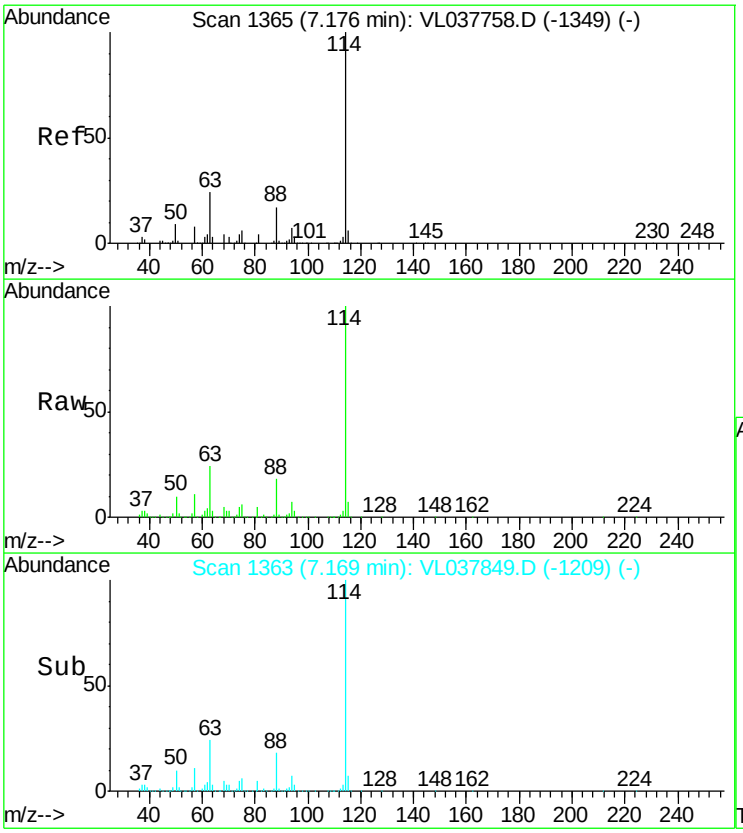
#26
Hexane
Concen: 0.589 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 57 Resp: 93773

Ion	Ratio	Lower	Upper
57	100		
41	98.9	69.6	104.4
43	81.0	171.4	257.0#
56	59.1	42.0	63.0

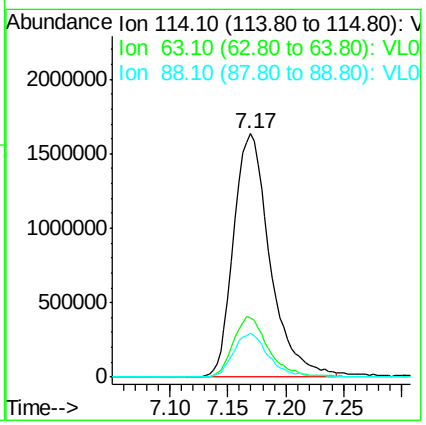


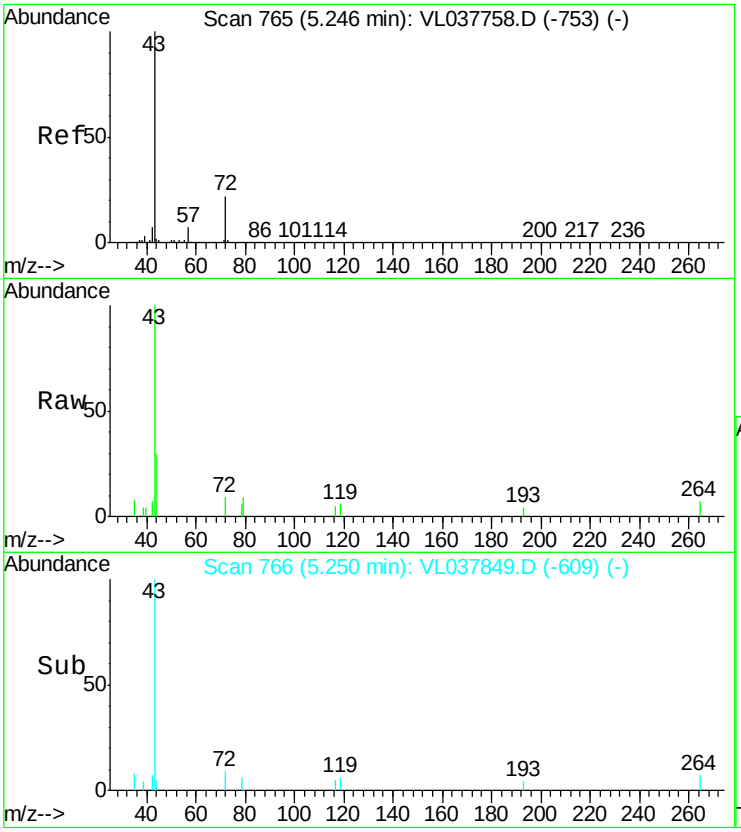


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion:114 Resp: 3576761

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	17.9	14.4	21.6



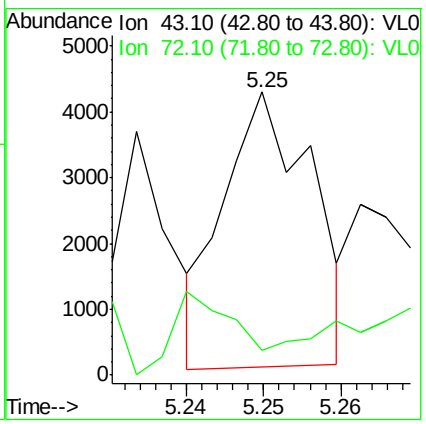


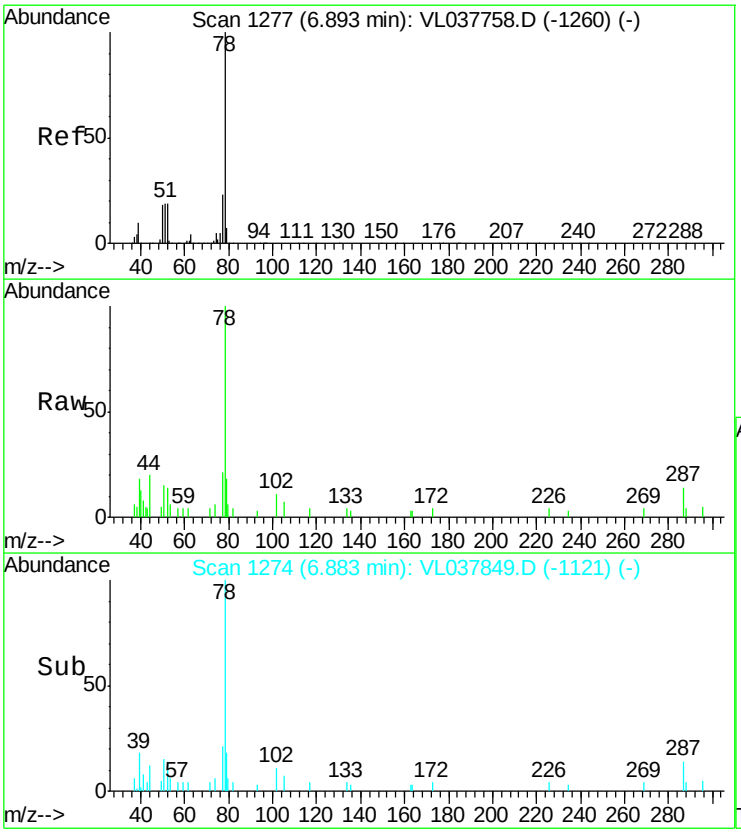
#34
2-Butanone
Concen: 0.023 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 43 Resp: 3315

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

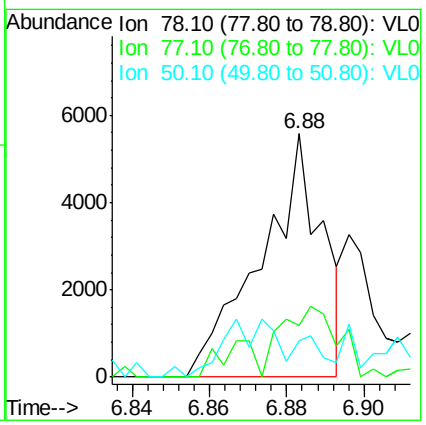


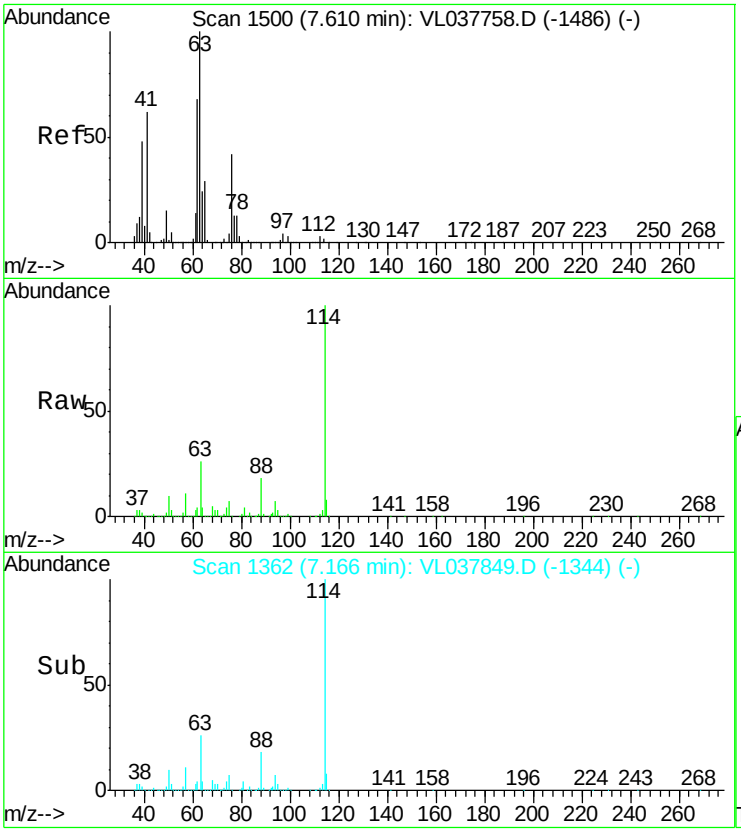


#36
Benzene
Concen: 0.020 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion: 78 Resp: 6125

Ion	Ratio	Lower	Upper
78	100		
77	18.1	18.8	28.2#
50	12.7	14.7	22.1#



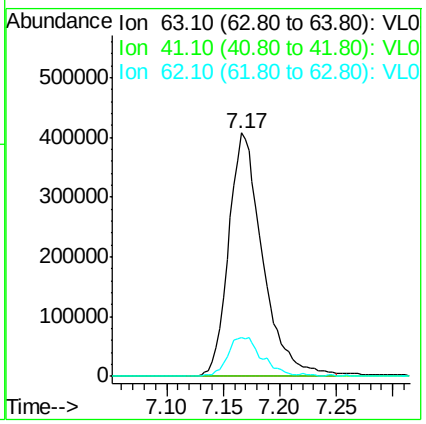


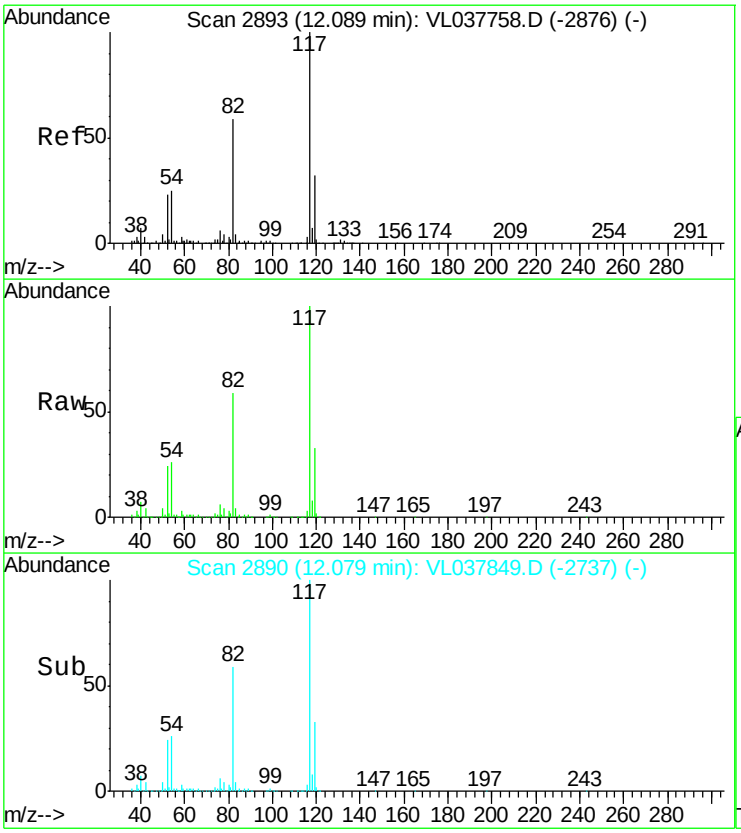
#39
1,2-Dichloropropane
Concen: 7.432 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 63 Resp: 853982

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.8	54.6	82.0#

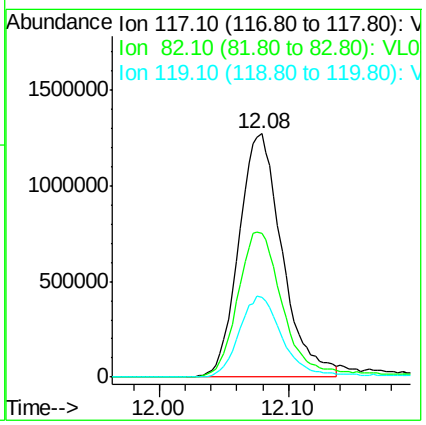


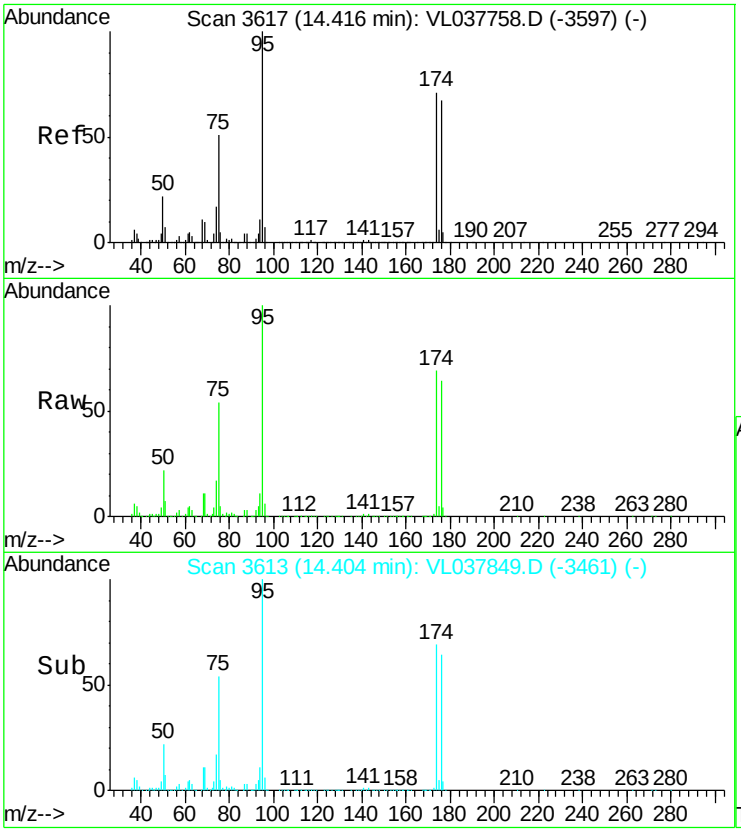


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL037849.D
Acq: 13 Oct 2021 9:52

Tgt Ion:117 Resp: 2983866

Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.2	78.2
119	34.5	26.0	39.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.916 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 13 Oct 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
QC101221 CAN 1065

Tgt Ion: 95 Resp: 2069198

Ion	Ratio	Lower	Upper
95	100		
174	75.1	57.8	86.6
175	5.5	4.7	7.1