Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120721\
Data File : VL038154.D
Acq On : 7 Dec 2021 17:26
Operator : SY/AP
Sample : M4897-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DL

Quant Time: Dec 08 02:02:46 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	828050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2264037	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1996969	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1565346	10.87	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.70%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.97	51	26805	0.154	ppbv #	67
4) Chloromethane	3.14	50	4669	0.079	ppbv	92
9) Propene	3.02	41	14201	0.222	ppbv	98
13) Ethanol	3.60	45	334026	53.972	ppbv	94
15) Acetone	3.85	43	151426	2.109	ppbv	99
19) Isopropyl Alcohol	3.96	45	394599	7.607	ppbv #	99
20) Methylene Chloride	4.34	84	49630	1.234	ppbv	95
25) Ethyl Acetate	5.67	43	34905	0.146	ppbv #	94
26) Hexane	5.67	57	13229	0.115	ppbv #	26
34) 2-Butanone	5.24	43	2883	0.032	ppbv #	1
39) 1,2-Dichloropropane	7.23	63	6210	0.072	ppbv #	32
53) Toluene	9.79	91	28846	0.111	ppbv	100

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

Quantitation Report (Not Reviewed)

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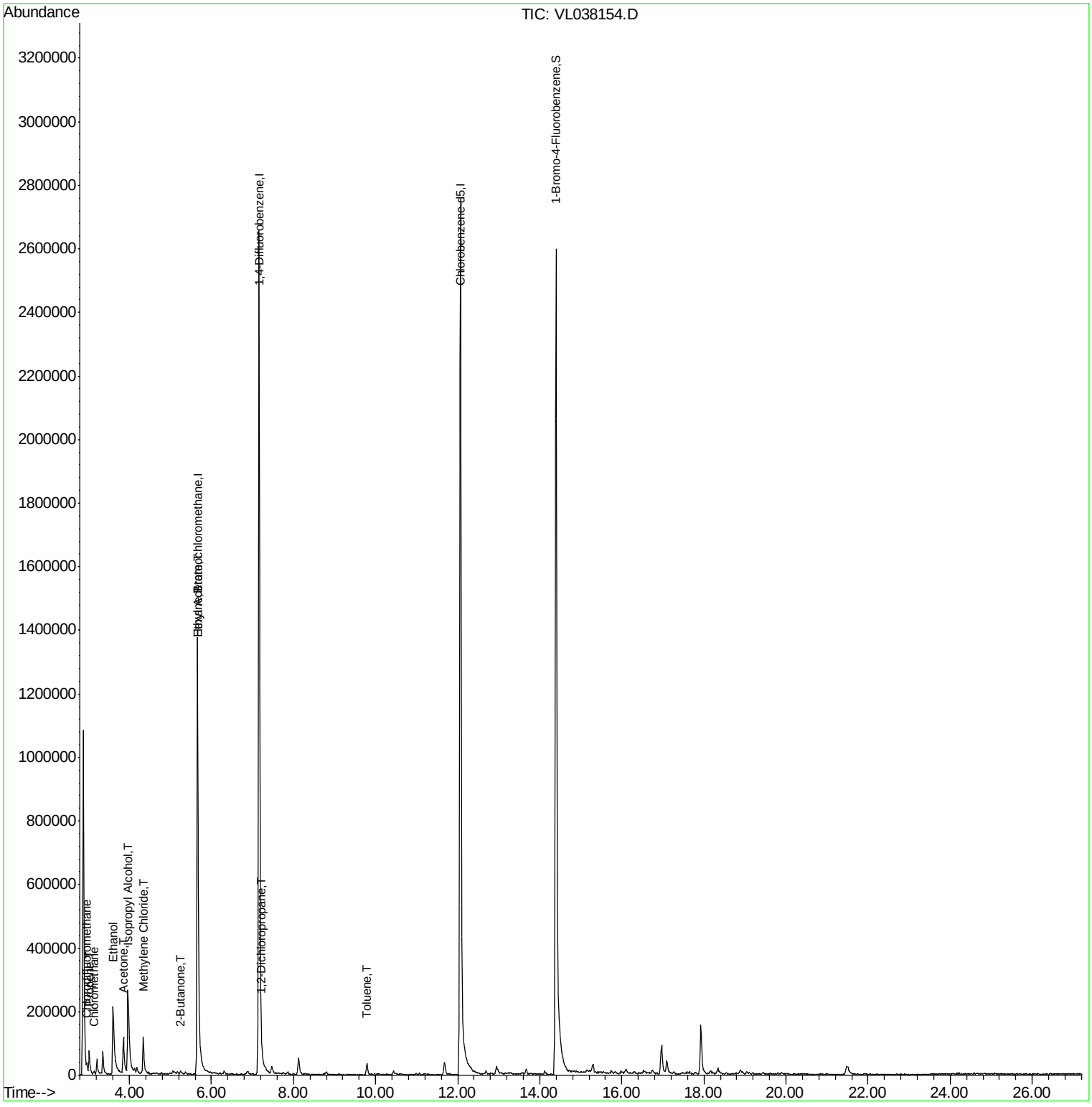
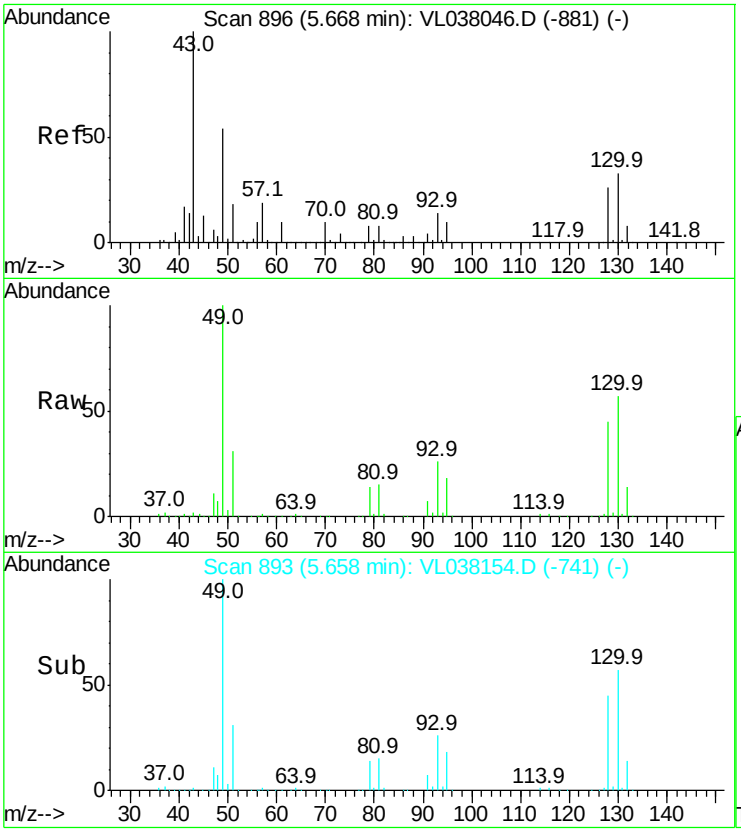


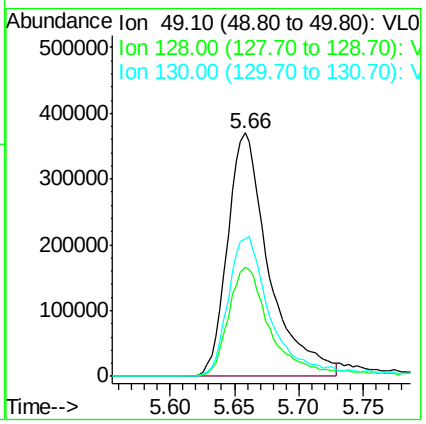


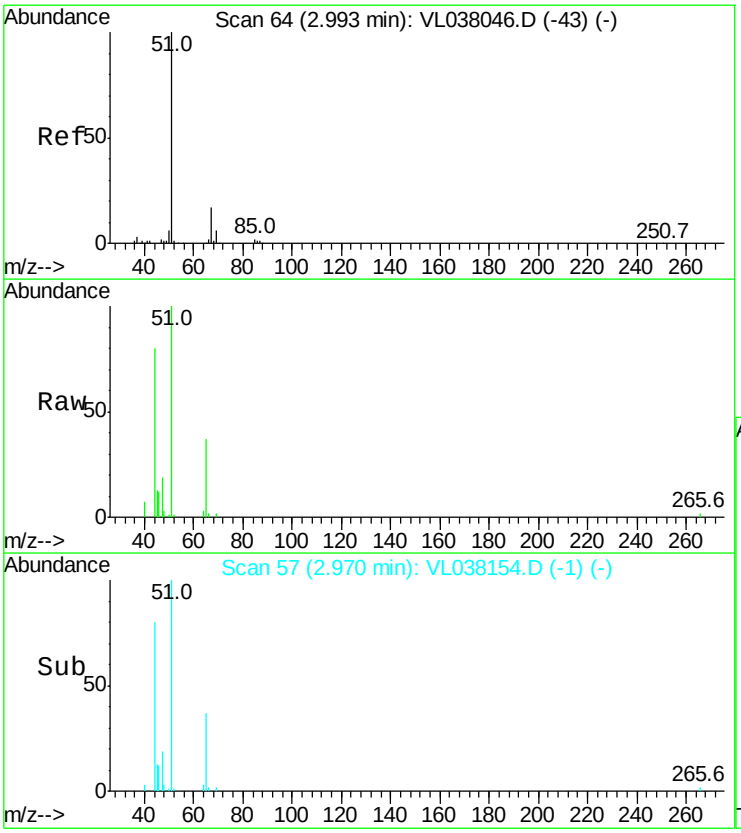
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 49 Resp: 828050

Ion	Ratio	Lower	Upper
49	100		
128	49.1	26.5	79.5
130	60.9	32.5	97.4

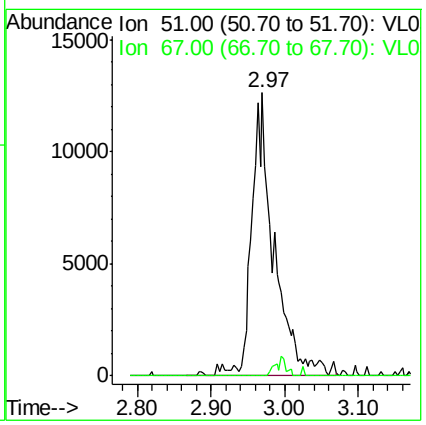


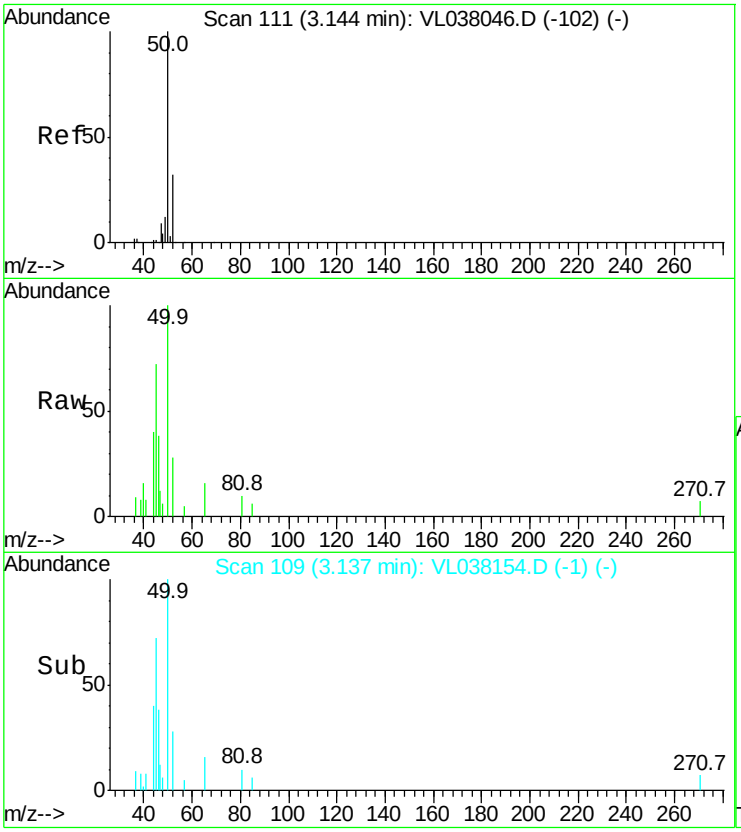


#3
Chlorodifluoromethane
Concen: 0.154 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 51 Resp: 26805

Ion	Ratio	Lower	Upper
51	100		
67	3.1	13.8	20.8#



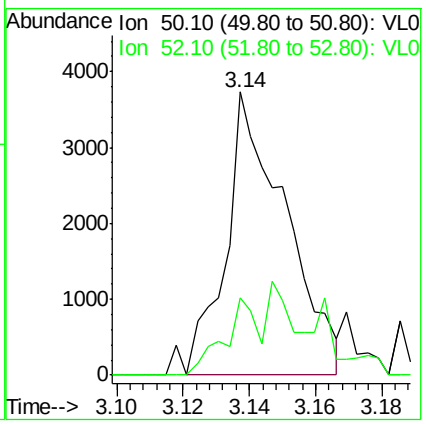


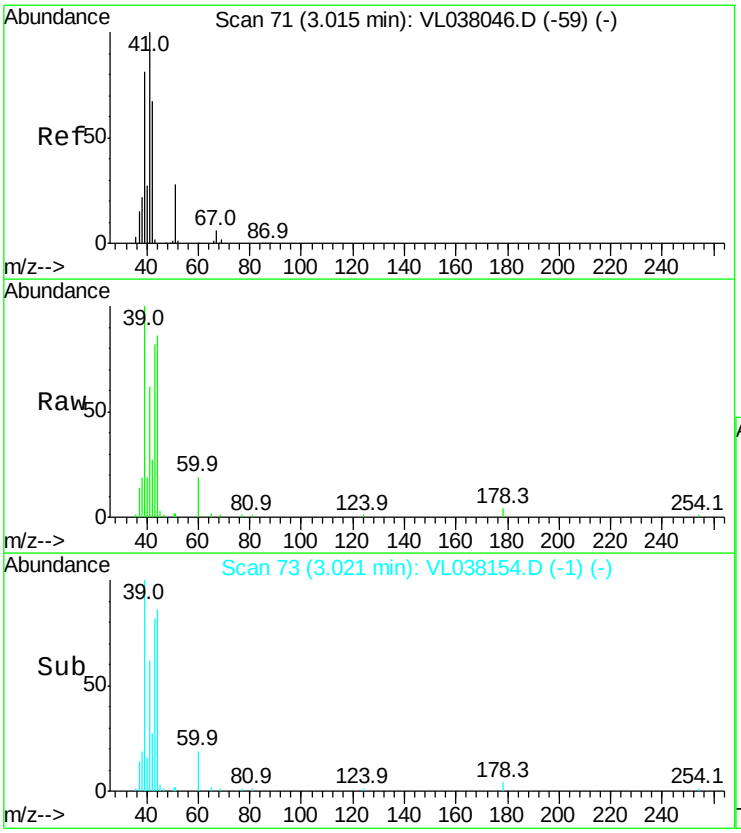
#4
Chloromethane
Concen: 0.079 ppbv
RT: 3.14
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 50 Resp: 4669

Ion	Ratio	Lower	Upper
50	100		
52	27.5	25.4	38.0

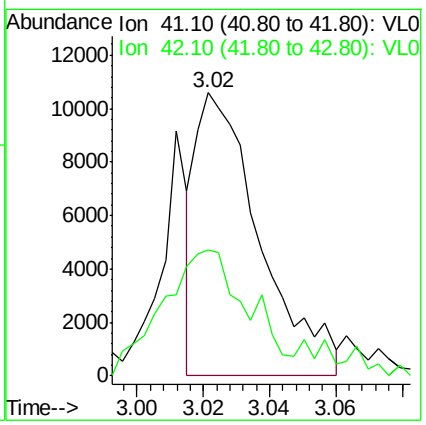


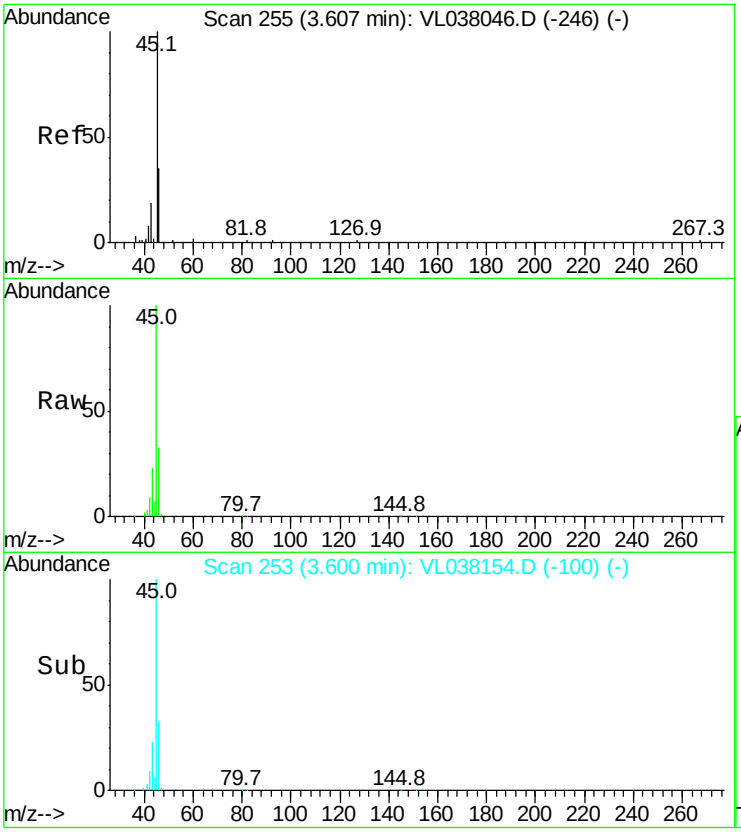


#9
Propene
Concen: 0.222 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.01 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 41 Resp: 14201

Ion	Ratio	Lower	Upper
41	100		
42	69.3	53.8	80.8



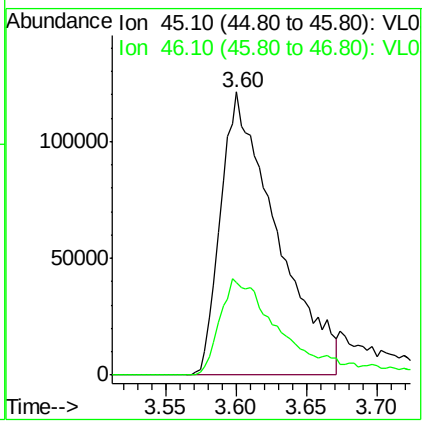


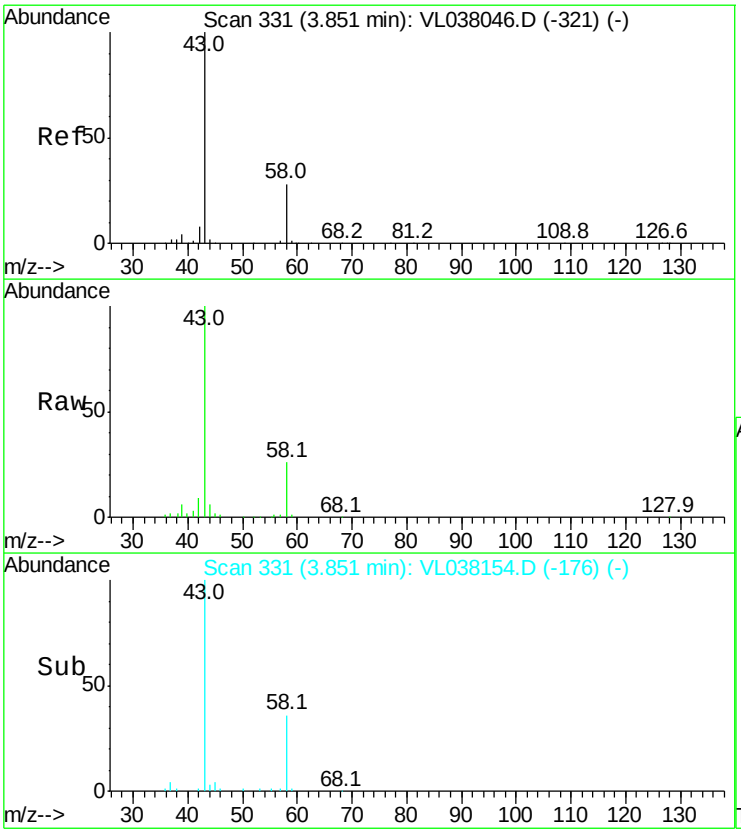
#13
Ethanol
Concen: 53.972 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 334026

Ion	Ratio	Lower	Upper
45	100		
46	39.7	17.6	70.2

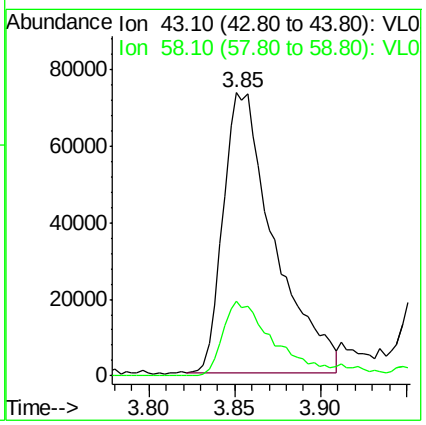


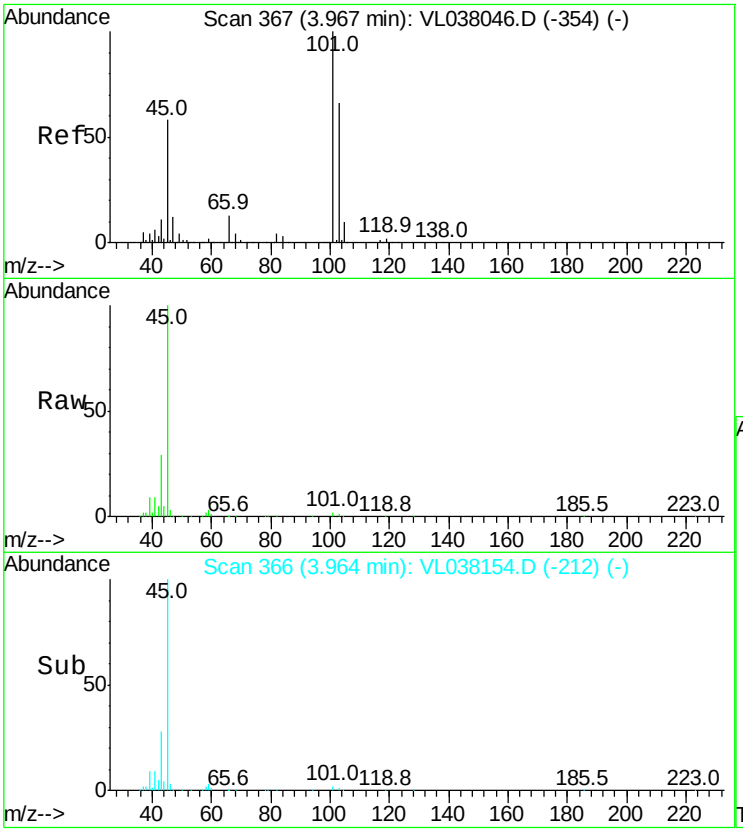


#15
Acetone
Concen: 2.109 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 43 Resp: 151426

Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.4	33.6



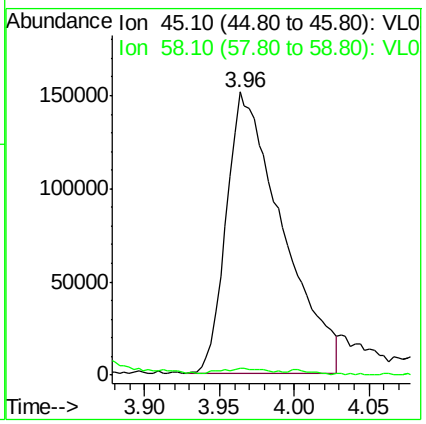


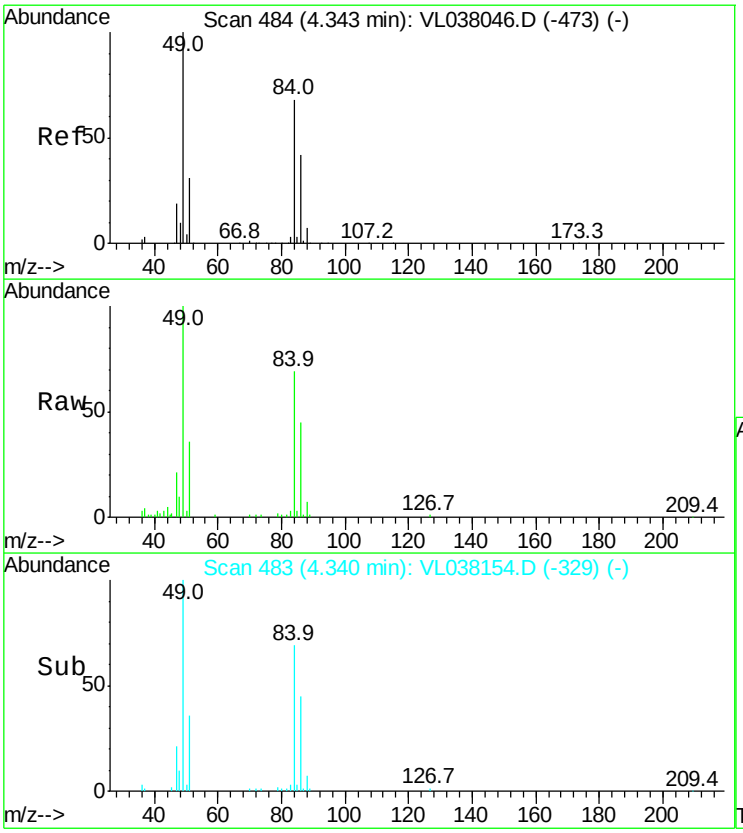
#19
Isopropyl Alcohol
Concen: 7.607 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 394599

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.4	2.0#

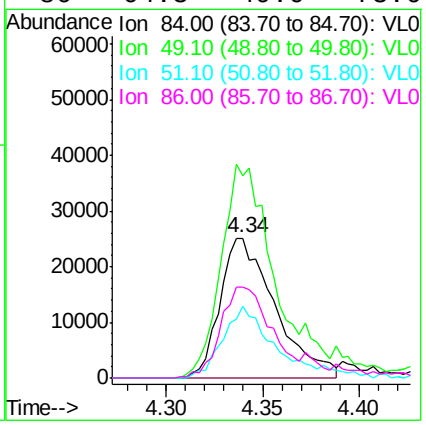


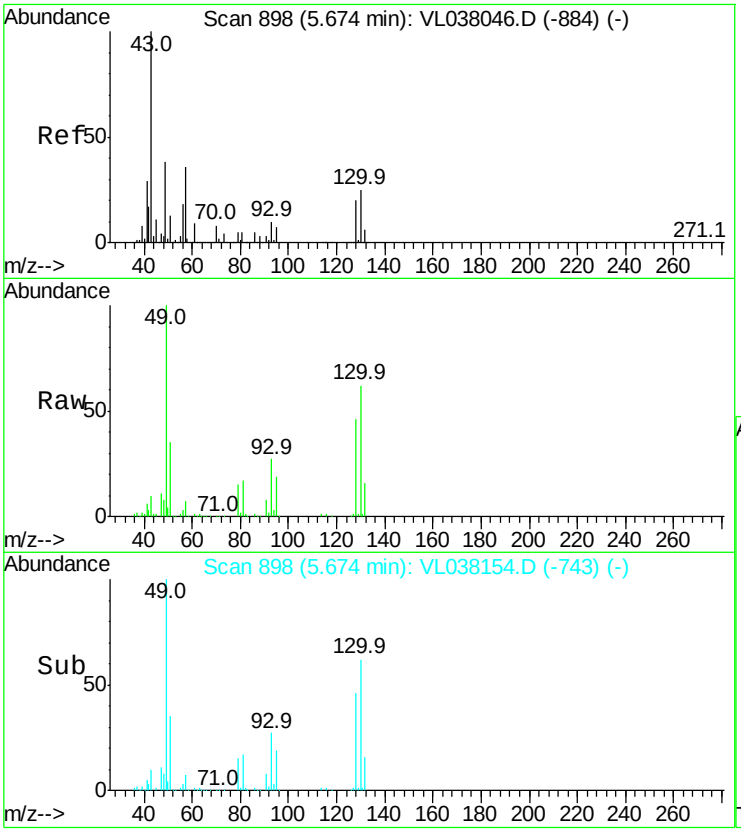


#20
Methylene Chloride
Concen: 1.234 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 84 Resp: 49630

Ion	Ratio	Lower	Upper
84	100		
49	141.7	118.2	177.2
51	51.3	36.8	55.2
86	64.3	49.0	73.6



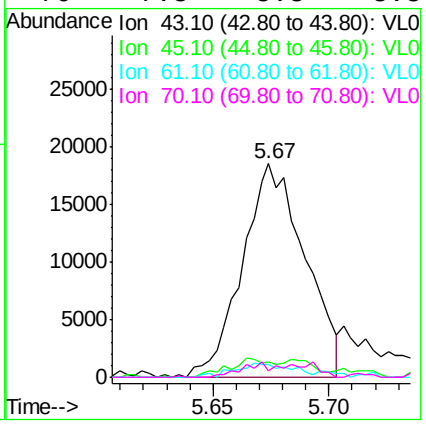


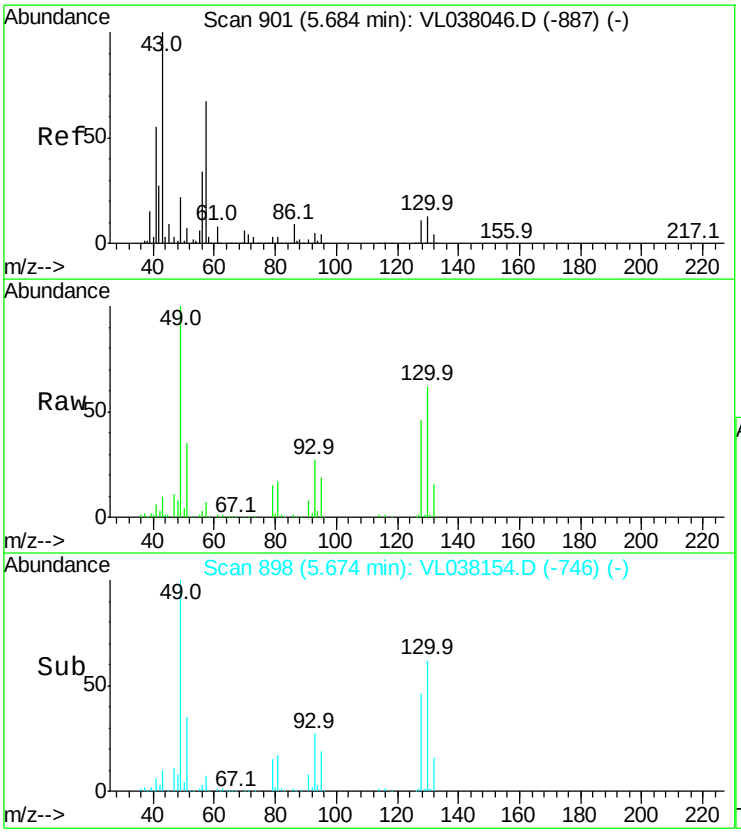
#25
Ethyl Acetate
Concen: 0.146 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 43 Resp: 34905

Ion	Ratio	Lower	Upper
43	100		
45	13.2	7.9	11.9#
61	7.4	7.8	11.6#
70	7.3	5.8	8.8

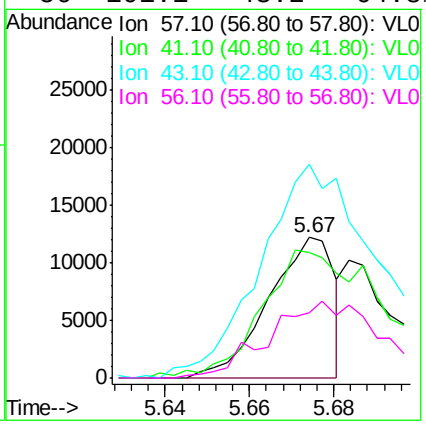


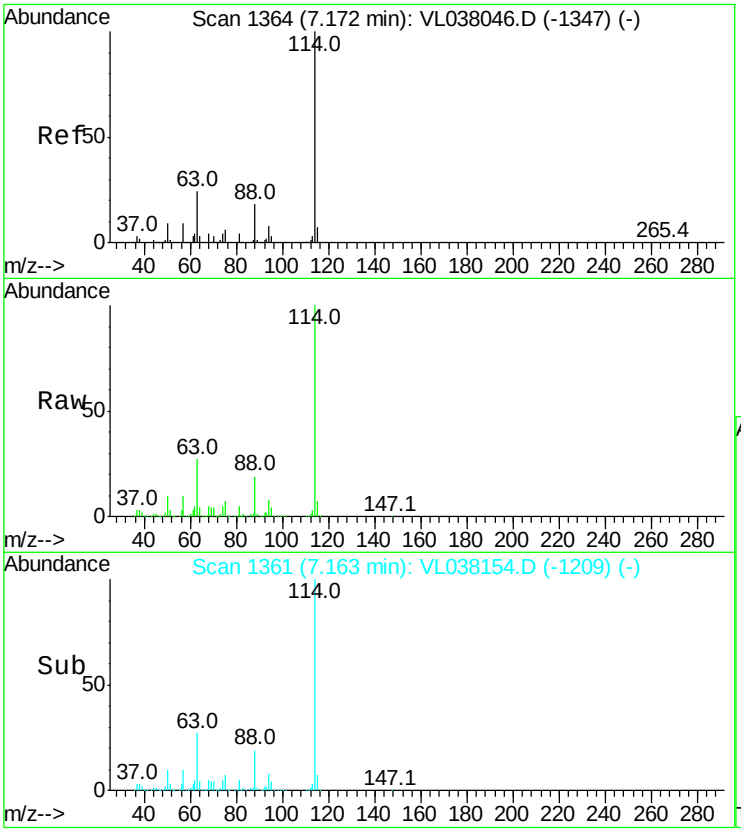


#26
Hexane
Concen: 0.115 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 57 Resp: 13229

Ion	Ratio	Lower	Upper
57	100		
41	184.5	71.4	107.2#
43	321.6	174.6	261.8#
56	101.1	43.2	64.8#



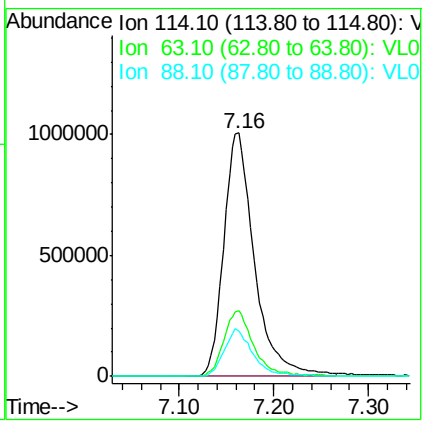


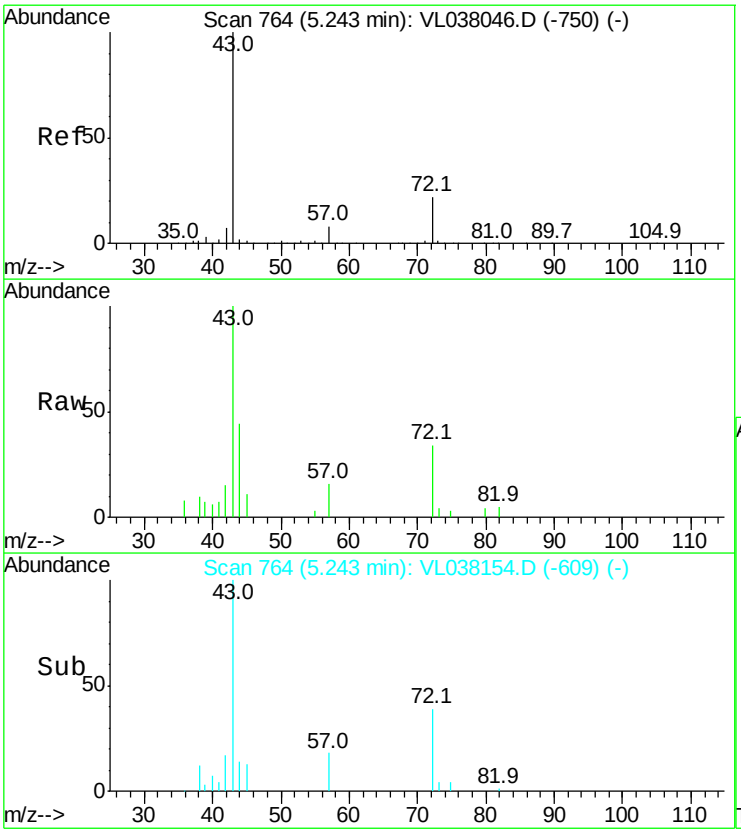
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:114 Resp: 2264037

Ion	Ratio	Lower	Upper
114	100		
63	26.8	19.7	29.5
88	18.6	14.4	21.6

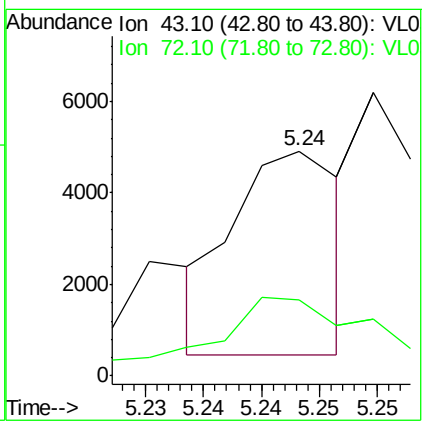


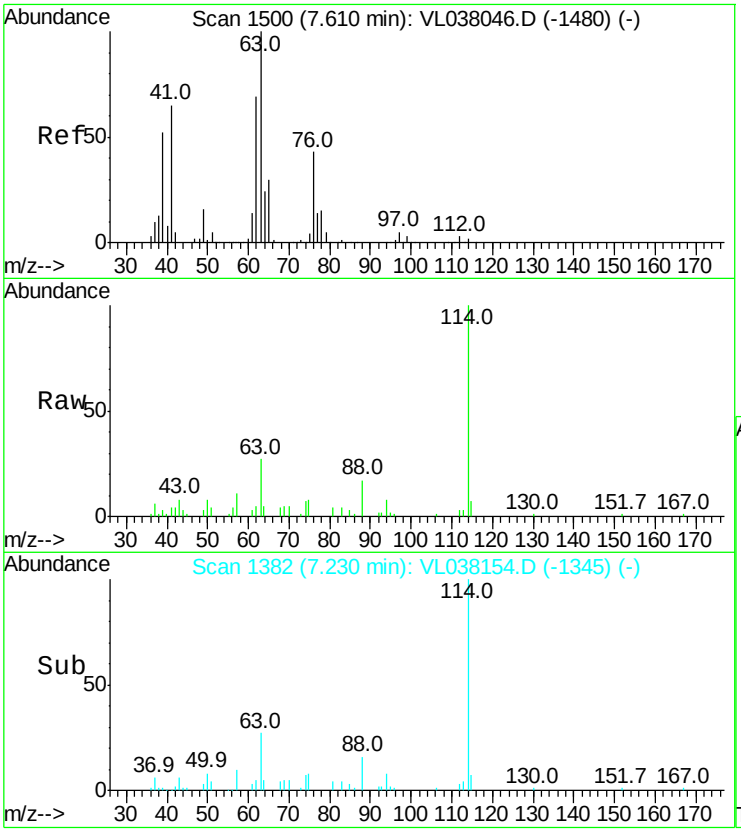


#34
2-Butanone
Concen: 0.032 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 43 Resp: 2883

Ion	Ratio	Lower	Upper
43	100		
72	106.5	18.8	28.2#



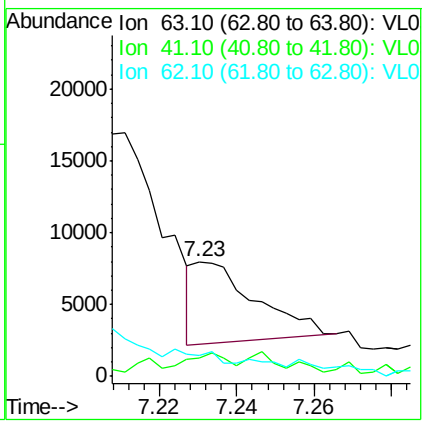


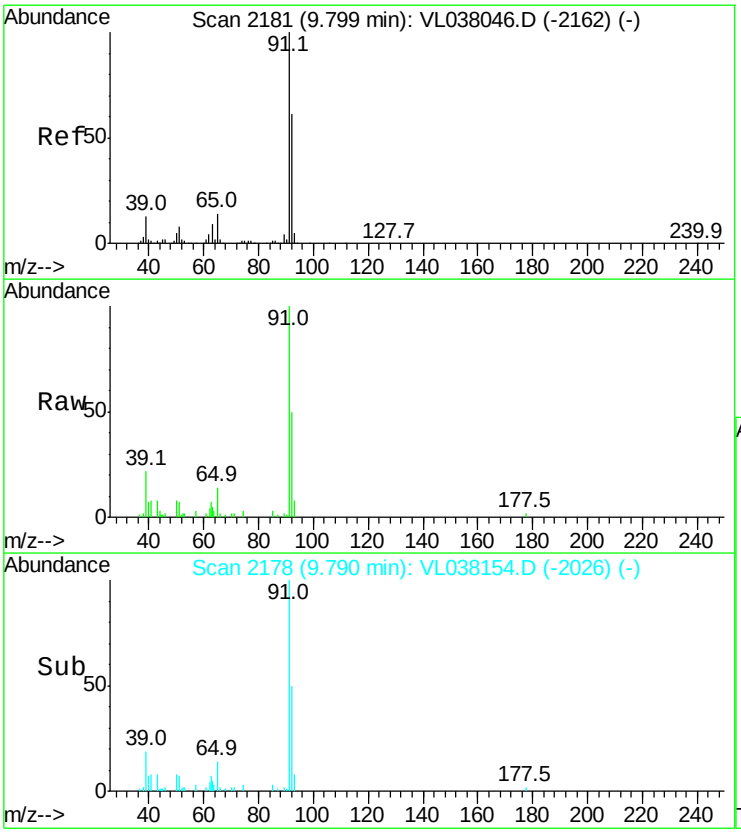
#39
1,2-Dichloropropane
Concen: 0.072 ppbv
RT: 7.23
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 63 Resp: 6210

Ion	Ratio	Lower	Upper
63	100		
41	12.7	52.3	78.5#
62	12.3	55.1	82.7#

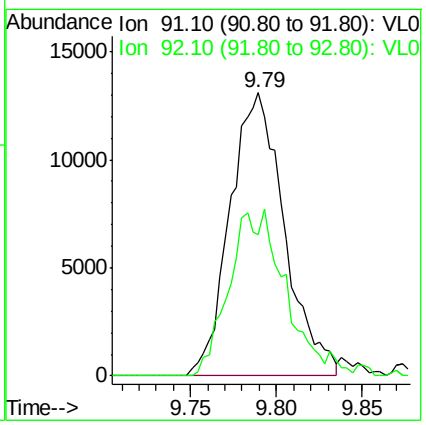


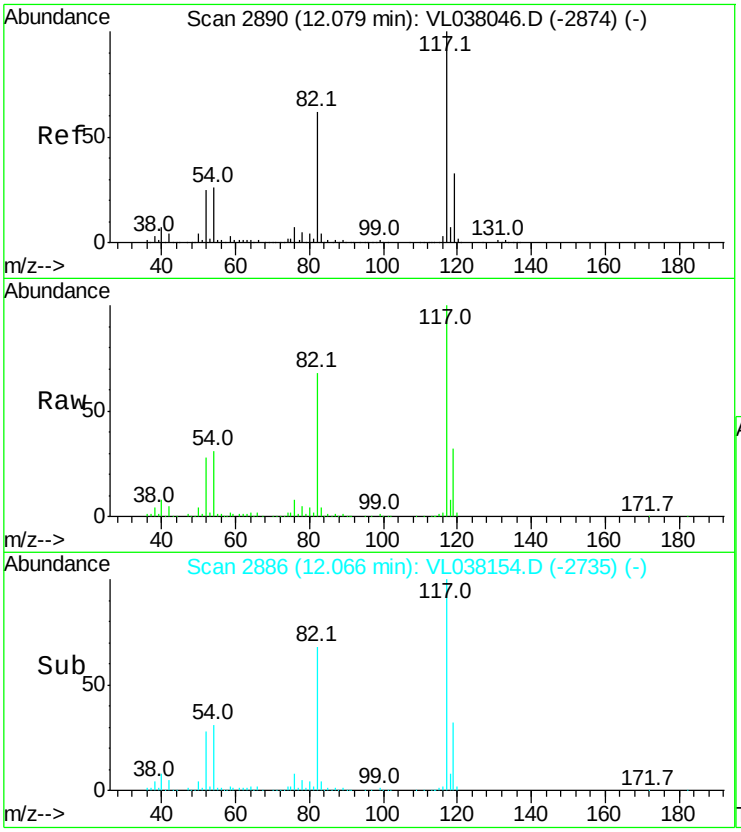


#53
Toluene
Concen: 0.111 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 91 Resp: 28846

Ion	Ratio	Lower	Upper
91	100		
92	62.1	49.7	74.5



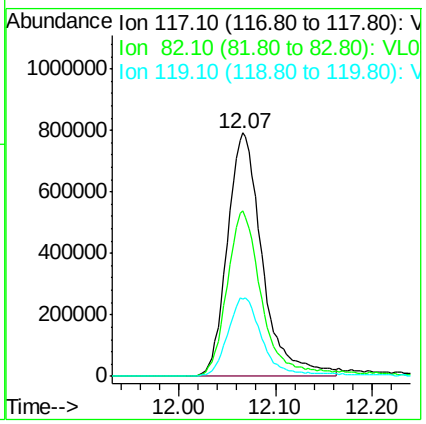


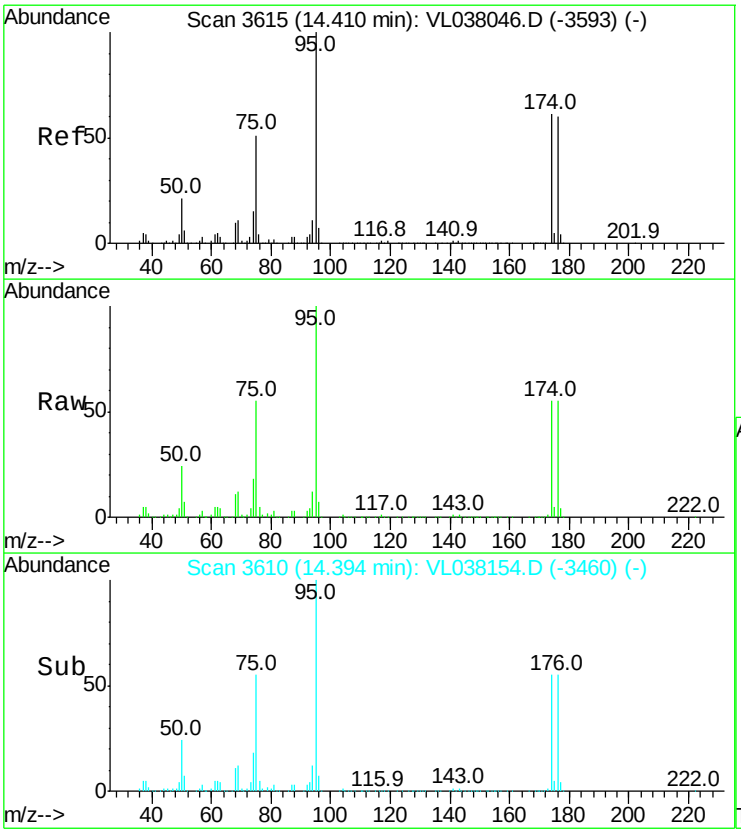
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 7 Dec 2021 17:26

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion:117 Resp: 1996969

Ion	Ratio	Lower	Upper
117	100		
82	69.9	52.8	79.2
119	33.7	26.8	40.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.867 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL038154.D
Acq: 7 Dec 2021 17:26

Tgt Ion: 95 Resp: 1565346

Ion	Ratio	Lower	Upper
95	100		
174	60.5	53.1	79.7
175	4.4	4.0	6.0