Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037791.D
Acq On : 6 Oct 2021 2:27
Operator : SY/AP
Sample : M4012-15DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Quant Time: Oct 06 04:50:05 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	5.64	49	1184929	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3542946	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2962964	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2054128	9.91	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.97	51	6711	0.029	ppbv	94
9) Propene	2.99	41	3116	0.037	ppbv #	16
13) Ethanol	3.59	45	102696	14.990	ppbv	95
15) Acetone	3.84	43	132670	1.247	ppbv #	80
16) 1,3-Butadiene	3.30	39	1548	0.020	ppbv #	11
19) Isopropyl Alcohol	3.97	45	17841	0.270	ppbv #	79
20) Methylene Chloride	4.33	84	57728	1.074	ppbv	98
23) Vinyl Acetate	5.05	43	10660	0.067	ppbv #	50
25) Ethyl Acetate	5.66	43	12965	0.043	ppbv #	81
26) Hexane	5.67	57	18806	0.128	ppbv #	52
34) 2-Butanone	5.23	43	7535	0.053	ppbv #	53
39) 1,2-Dichloropropane	7.15	63	820136	7.205	ppbv #	28
40) 1,4-Dioxane	7.79	88	625	0.022	ppbv #	100
52) Tetrachloroethene	11.18	164	8664	0.074	ppbv #	77
53) Toluene	9.78	91	18167	0.054	ppbv #	1

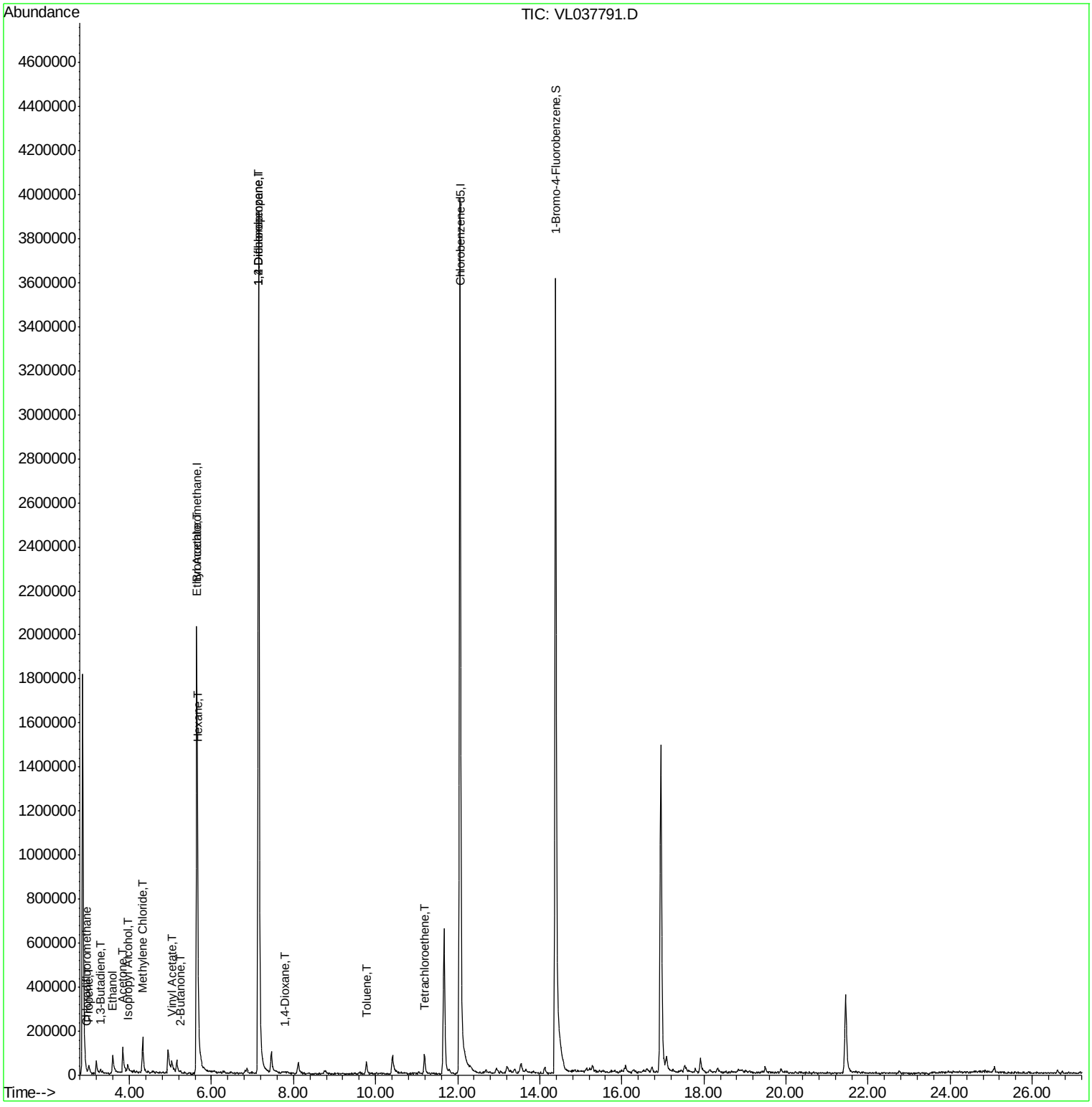
(#) = qualifier out of range (m) = manual integration (+) = signals summed

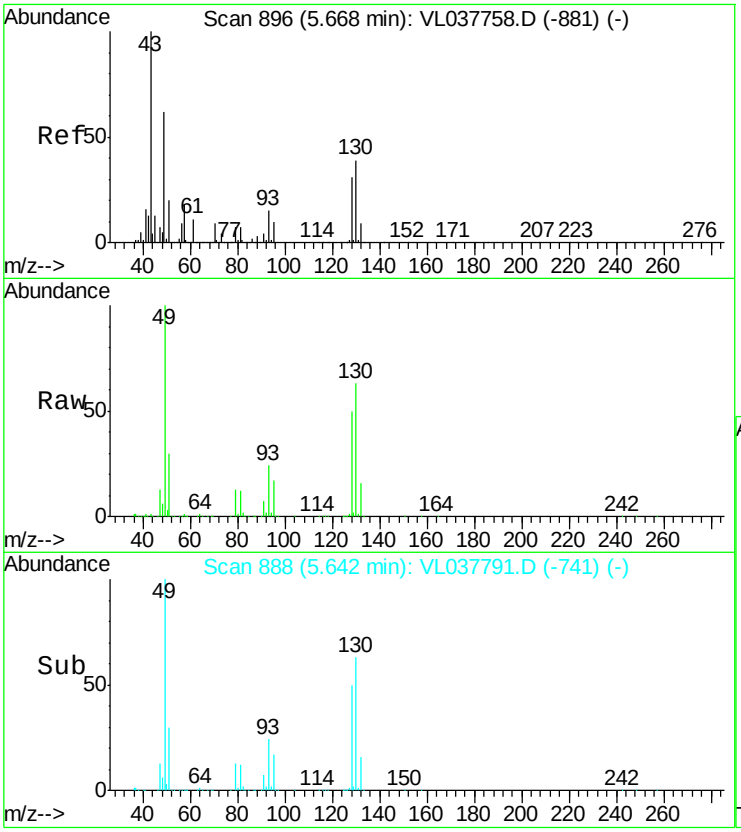
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037791.D
Acq On : 6 Oct 2021 2:27
Operator : SY/AP
Sample : M4012-15DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Quant Time: Oct 06 04:50:05 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



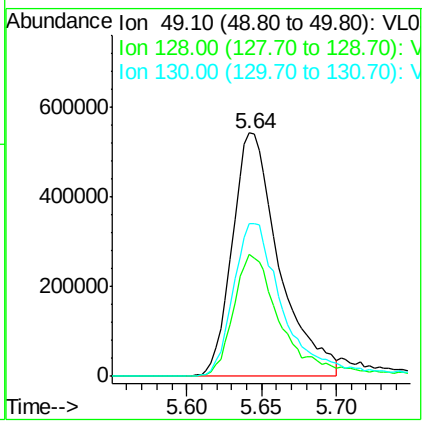


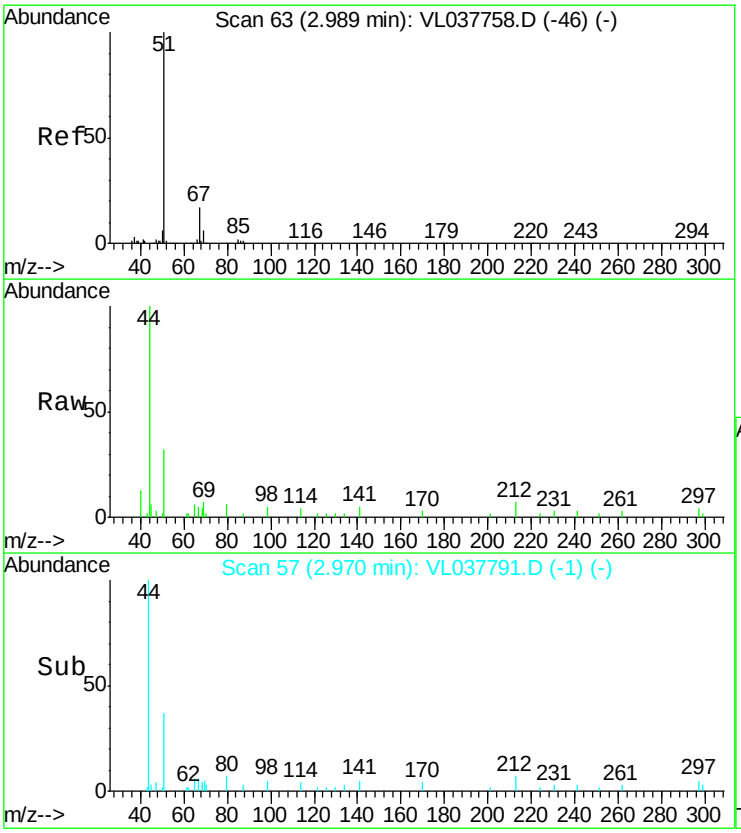
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :
C0P26DL

Tgt Ion: 49 Resp: 1184929

Ion	Ratio	Lower	Upper
49	100		
128	52.6	27.1	81.3
130	69.5	33.2	99.6

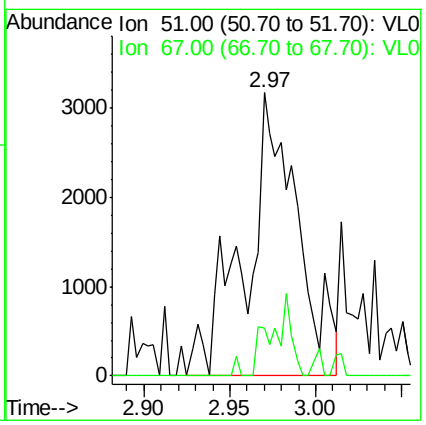


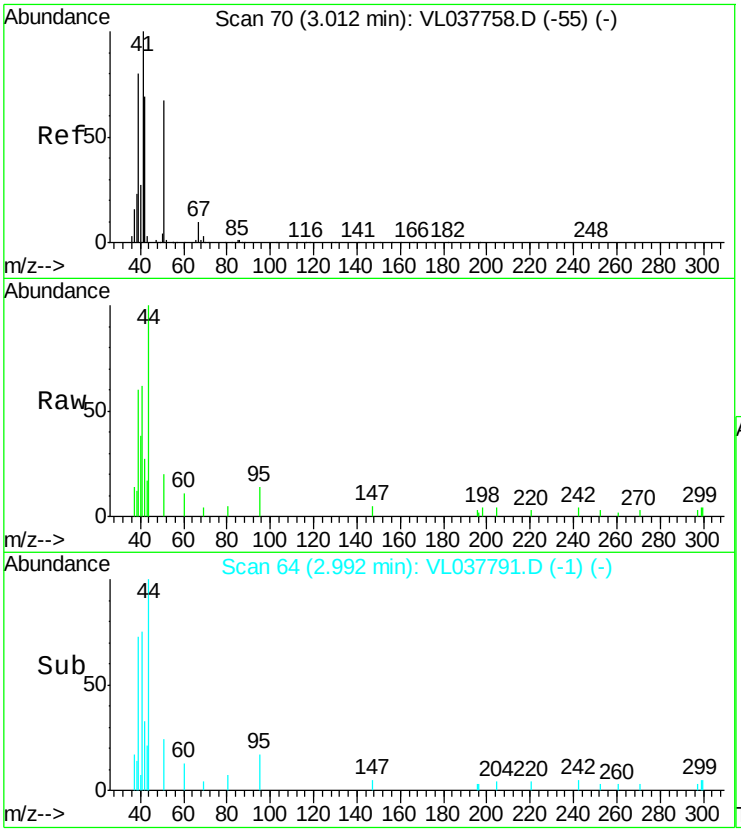


#3
Chlorodifluoromethane
Concen: 0.029 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 51 Resp: 6711

Ion	Ratio	Lower	Upper
51	100		
67	14.5	13.5	20.3



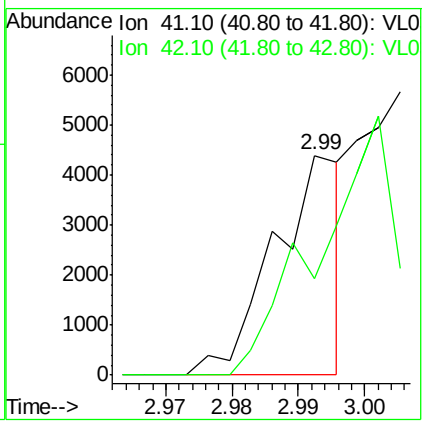


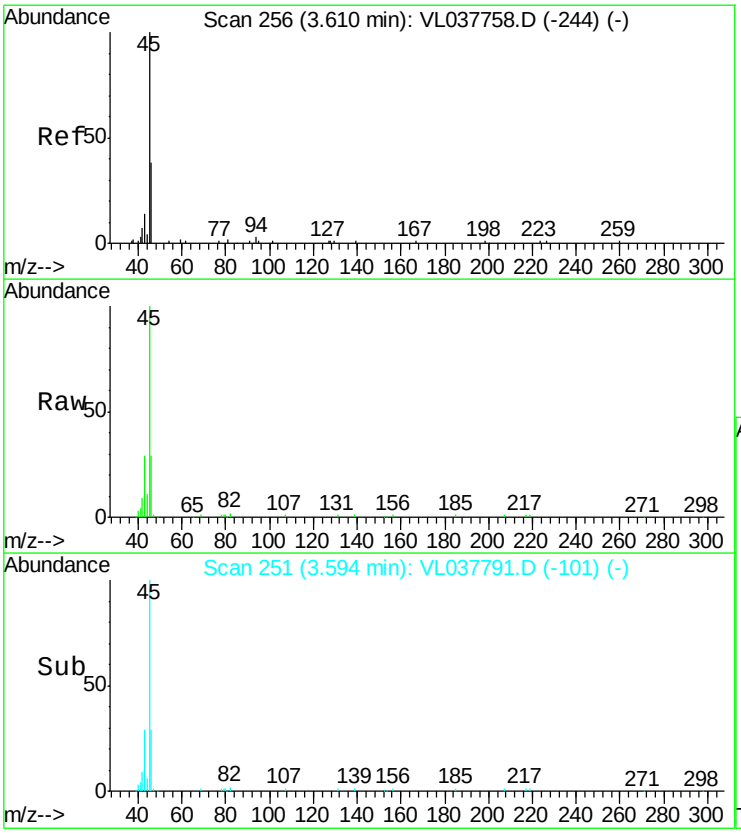
#9
Propene
Concen: 0.037 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :
C0P26DL

Tgt Ion: 41 Resp: 3116

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.2	81.2#

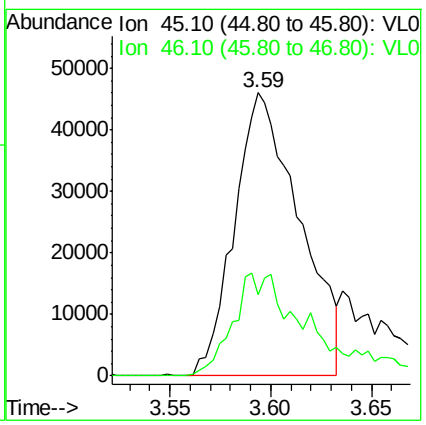


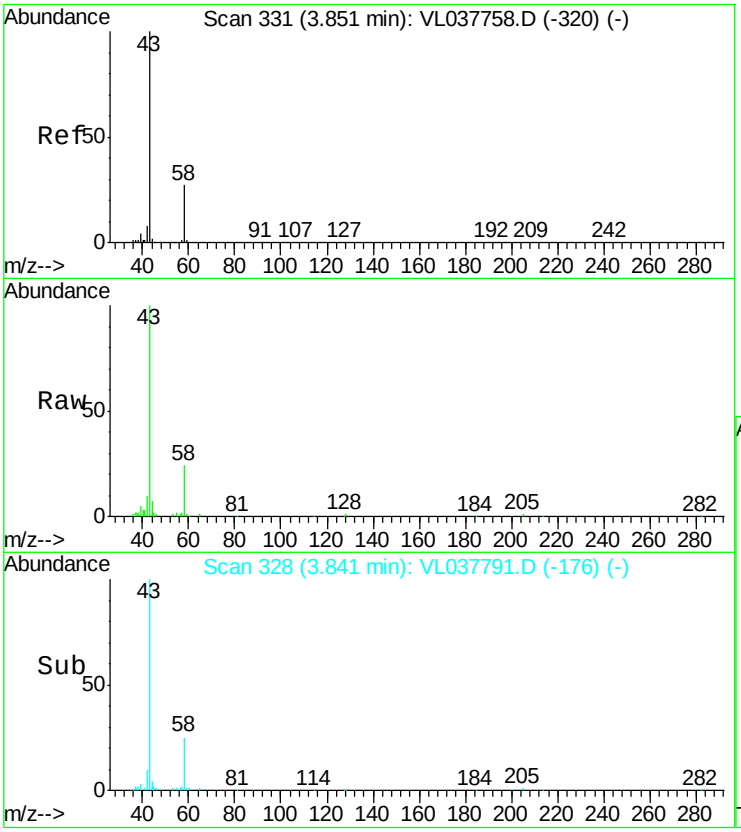


#13
Ethanol
Concen: 14.990 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 45 Resp: 102696

Ion	Ratio	Lower	Upper
45	100		
46	47.0	20.2	81.0



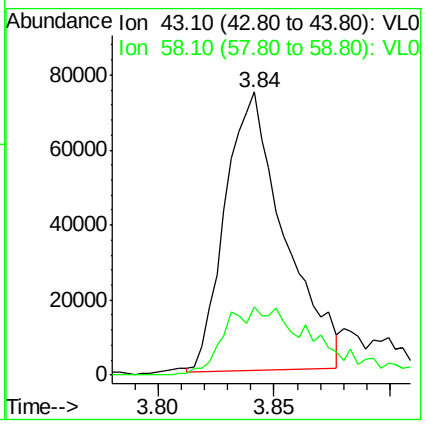


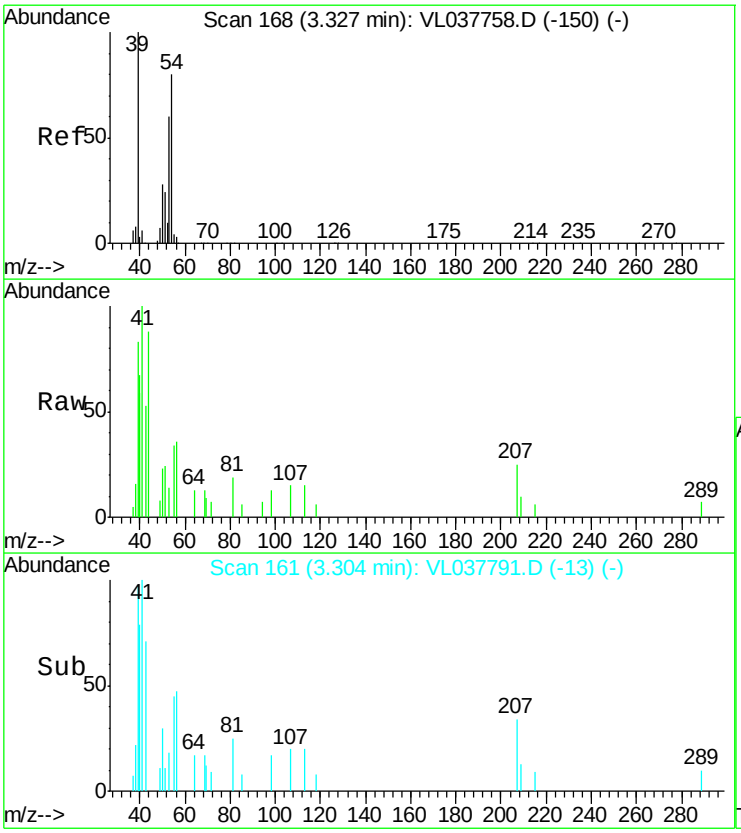
#15
Acetone
Concen: 1.247 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Tgt Ion: 43 Resp: 132670

Ion	Ratio	Lower	Upper
43	100		
58	39.2	23.0	34.6#

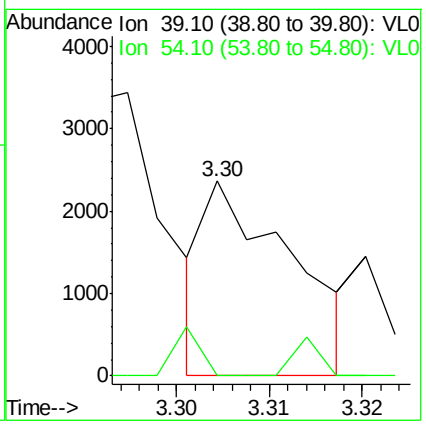


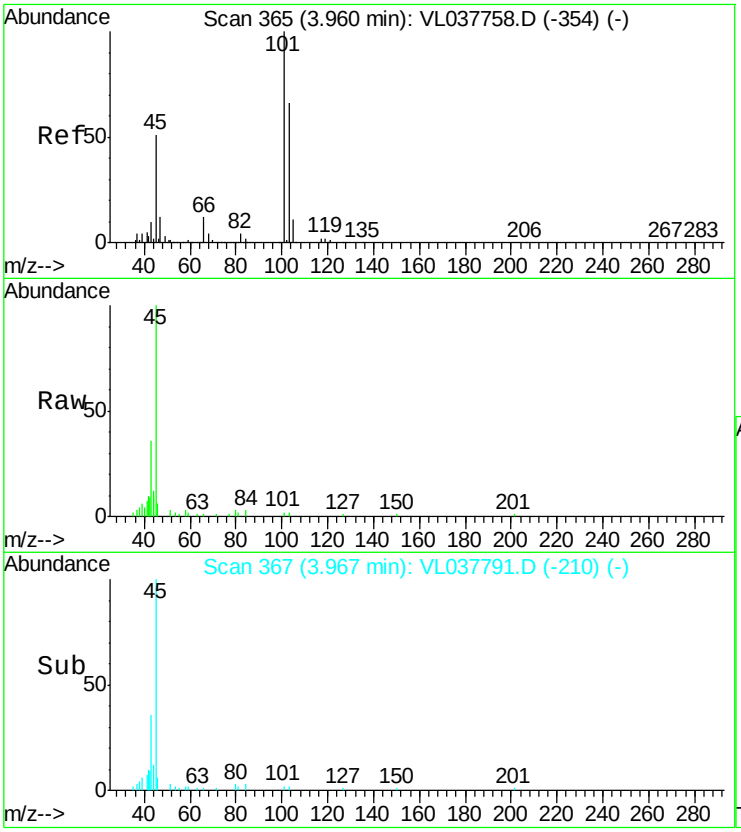


#16
1,3-Butadiene
Concen: 0.020 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 39 Resp: 1548

Ion	Ratio	Lower	Upper
39	100		
54	0.0	61.7	92.5#



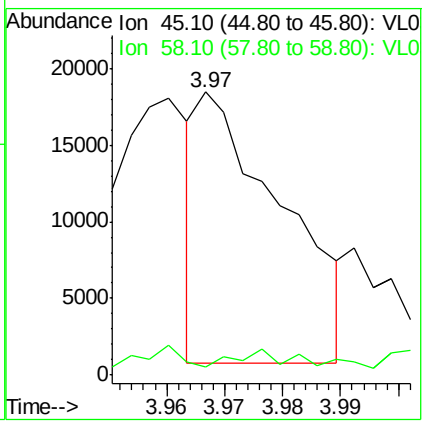


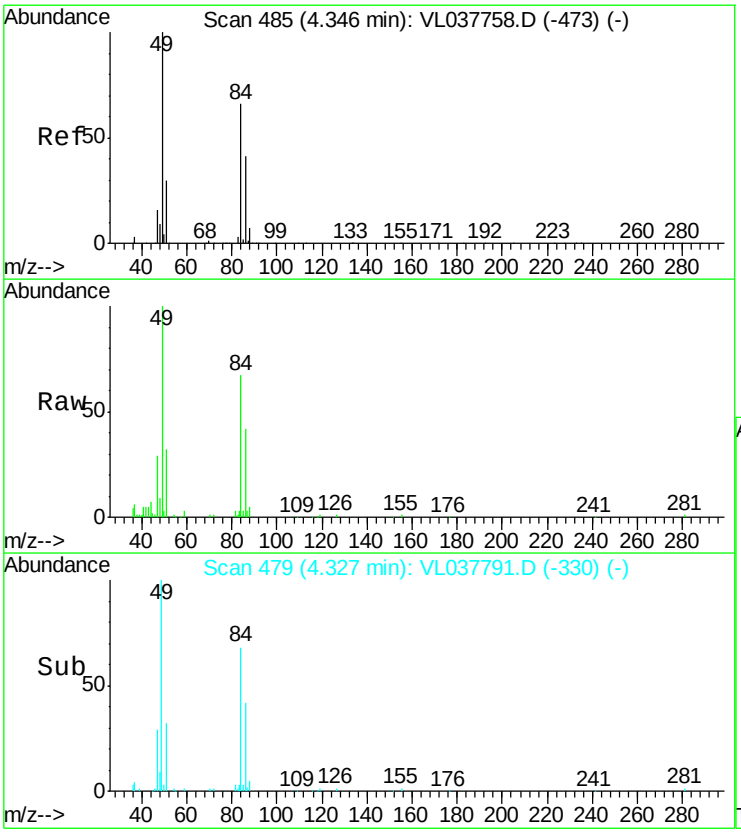
#19
Isopropyl Alcohol
Concen: 0.270 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Tgt Ion: 45 Resp: 17841

Ion	Ratio	Lower	Upper
45	100		
58	9.5	1.1	1.7#

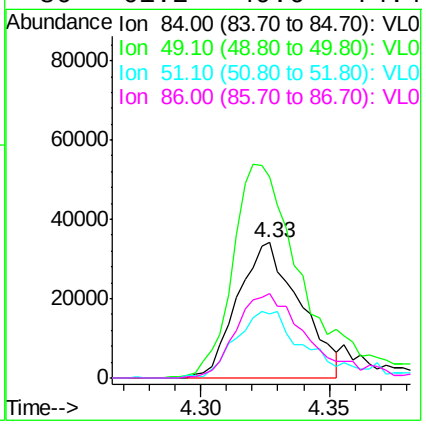


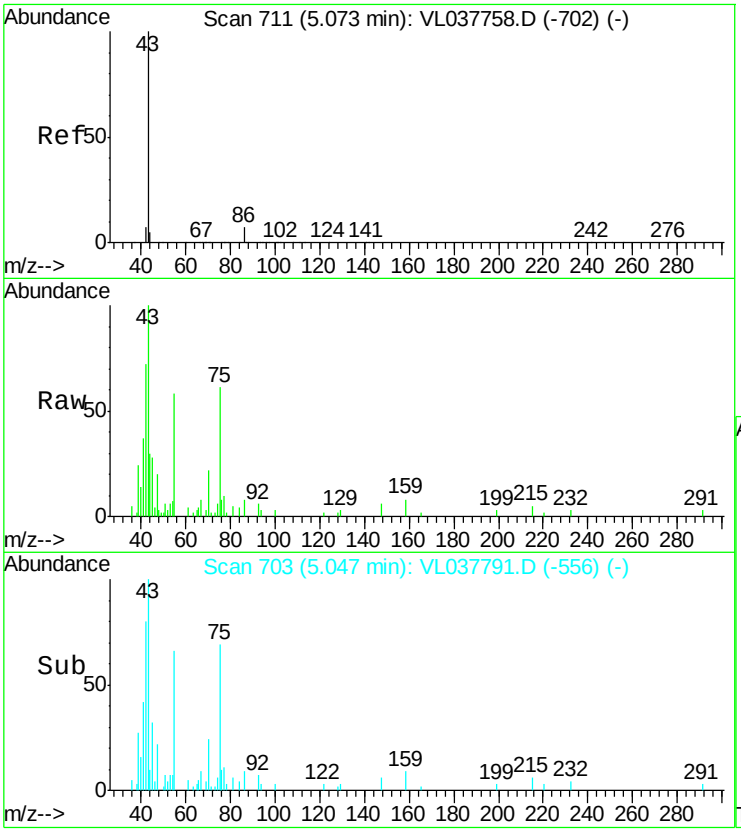


#20
Methylene Chloride
Concen: 1.074 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 84 Resp: 57728

Ion	Ratio	Lower	Upper
84	100		
49	146.5	120.7	181.1
51	45.1	36.2	54.4
86	61.2	49.6	74.4



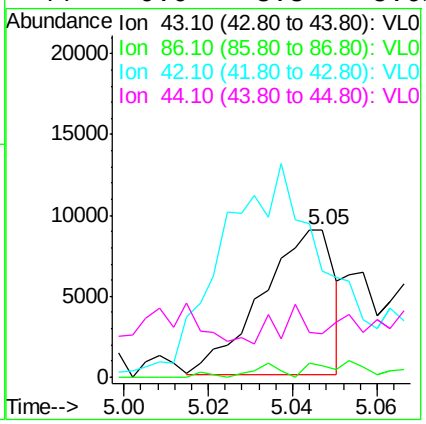


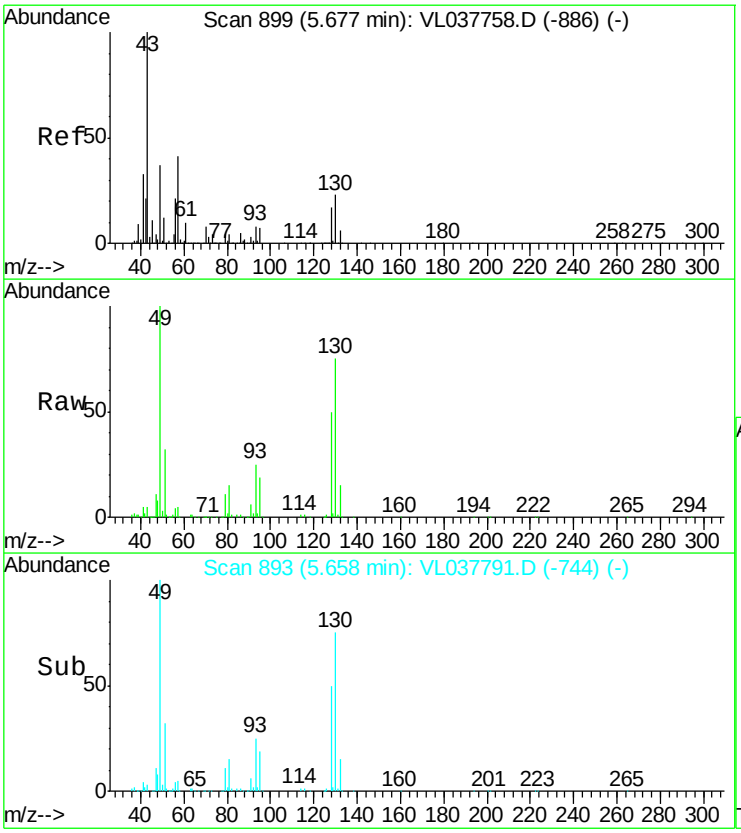
#23
Vinyl Acetate
Concen: 0.067 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Tgt Ion: 43 Resp: 10660

Ion	Ratio	Lower	Upper
43	100		
86	11.0	5.0	7.4#
42	42.5	7.4	11.0#
44	0.0	3.8	5.6#

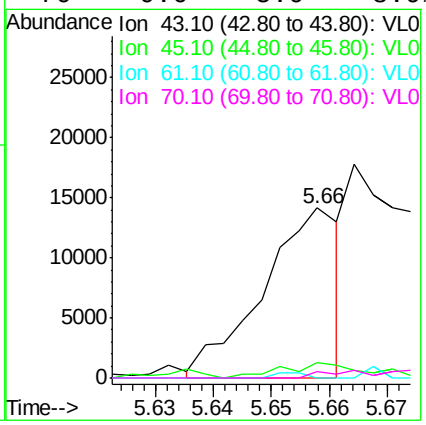


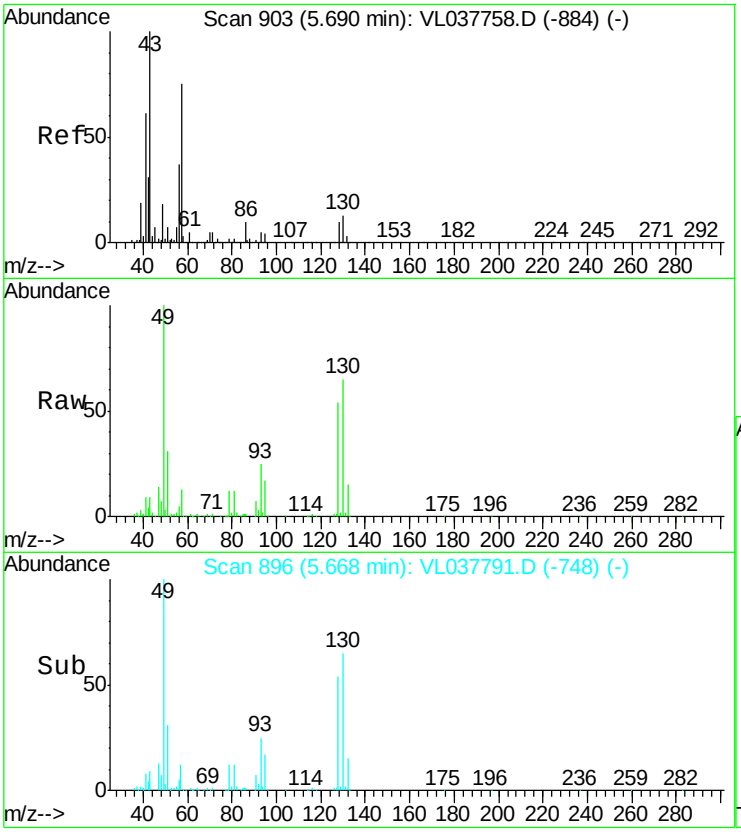


#25
Ethyl Acetate
Concen: 0.043 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 43 Resp: 12965

Ion	Ratio	Lower	Upper
43	100		
45	6.4	8.1	12.1#
61	0.0	7.5	11.3#
70	0.0	5.9	8.9#



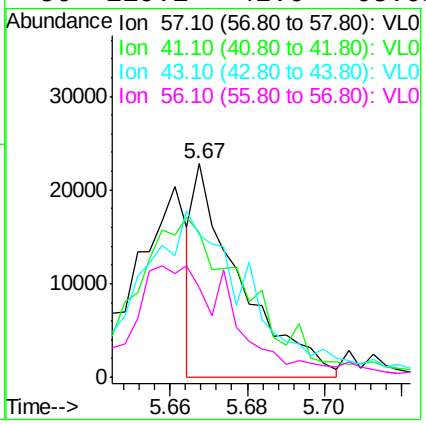


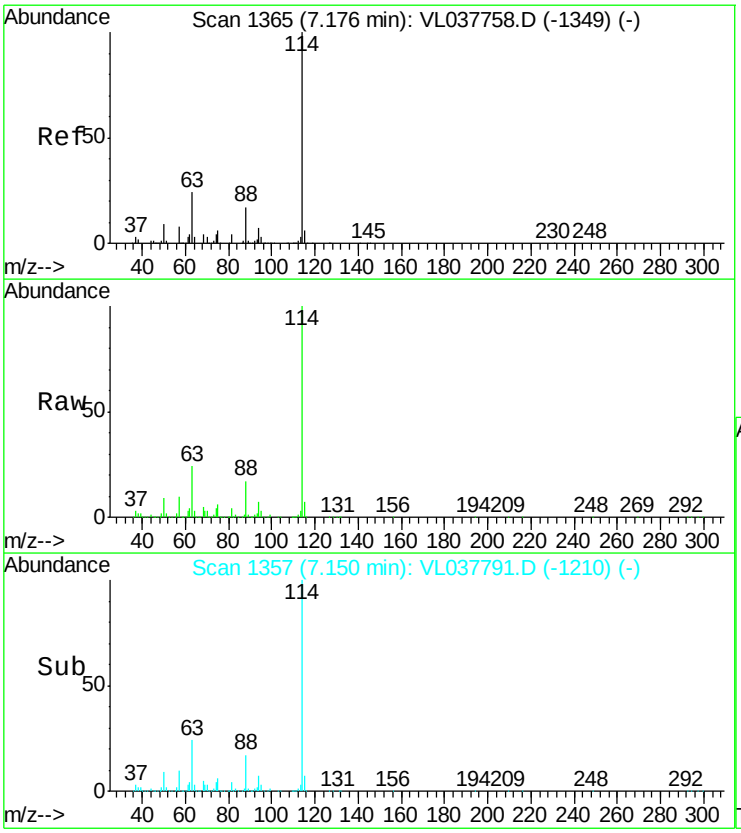
#26
Hexane
Concen: 0.128 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :
C0P26DL

Tgt Ion: 57 Resp: 18806

Ion	Ratio	Lower	Upper
57	100		
41	192.3	69.6	104.4#
43	198.4	171.4	257.0
56	119.1	42.0	63.0#

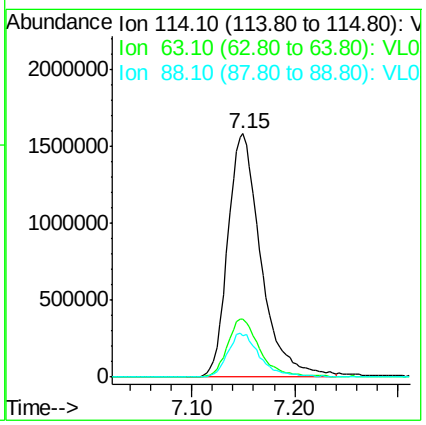


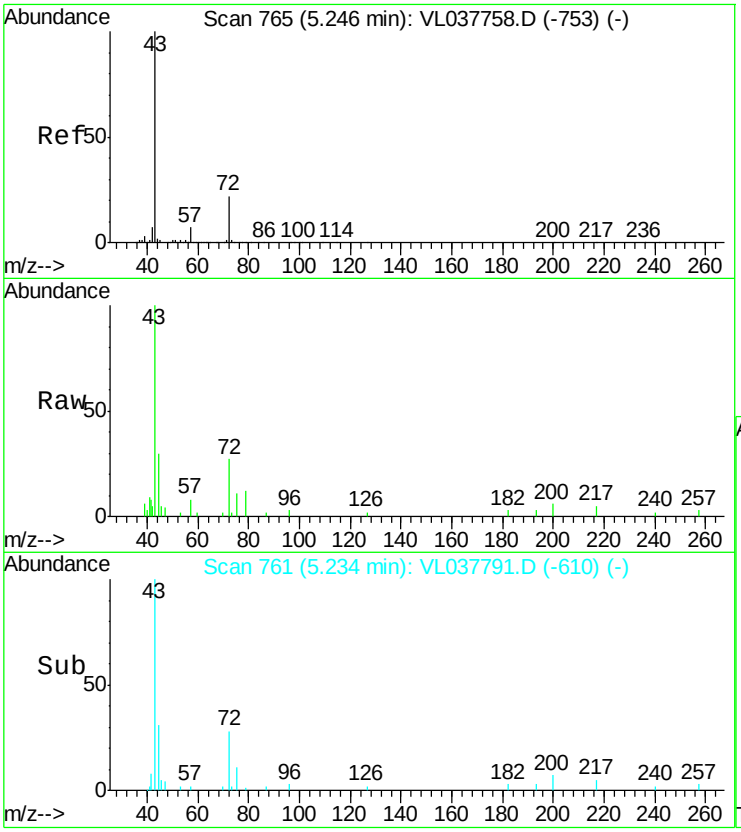


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion:114 Resp: 3542946

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.2
88	17.9	14.4	21.6



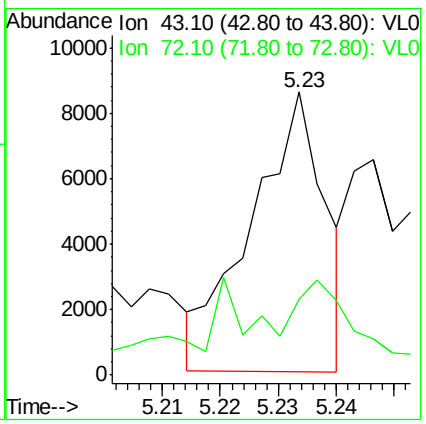


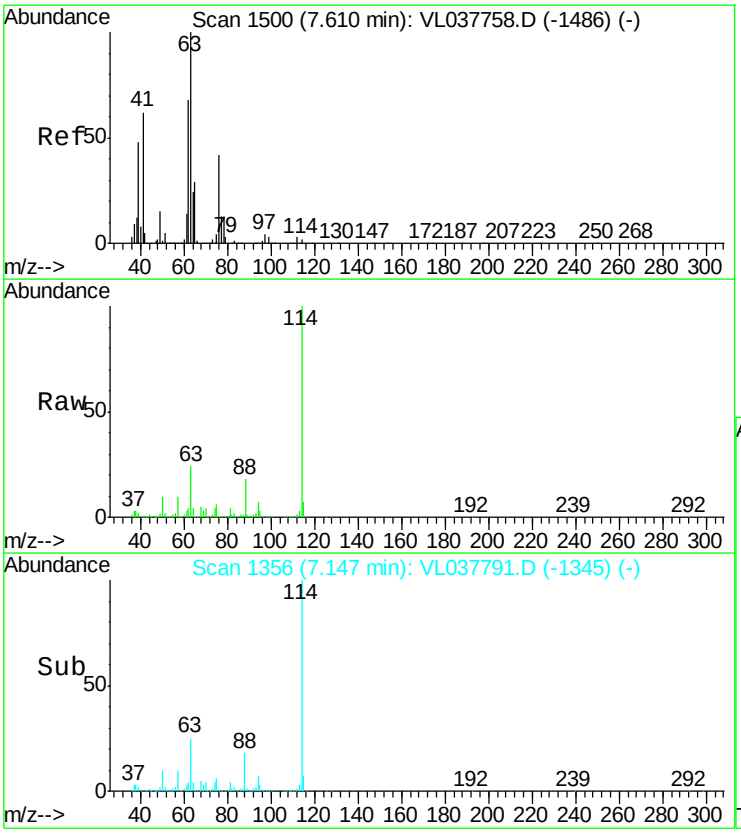
#34
2-Butanone
Concen: 0.053 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :
C0P26DL

Tgt Ion: 43 Resp: 7535

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

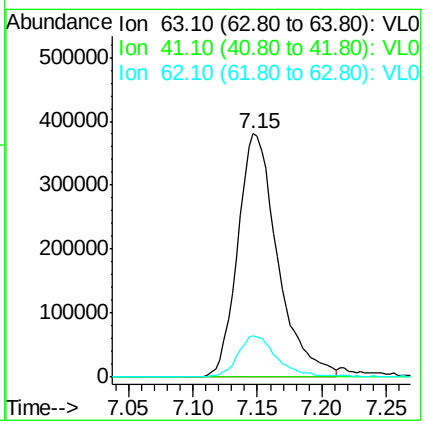


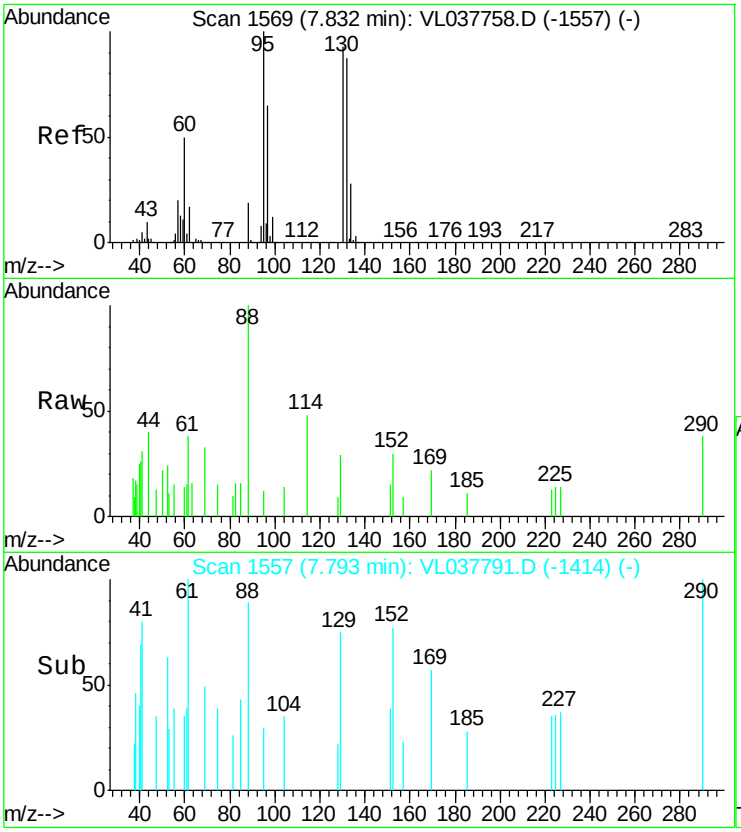


#39
1,2-Dichloropropane
Concen: 7.205 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.46 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion: 63 Resp: 820136

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	17.2	54.6	82.0#



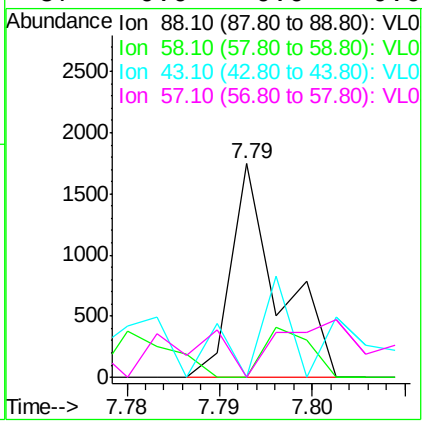


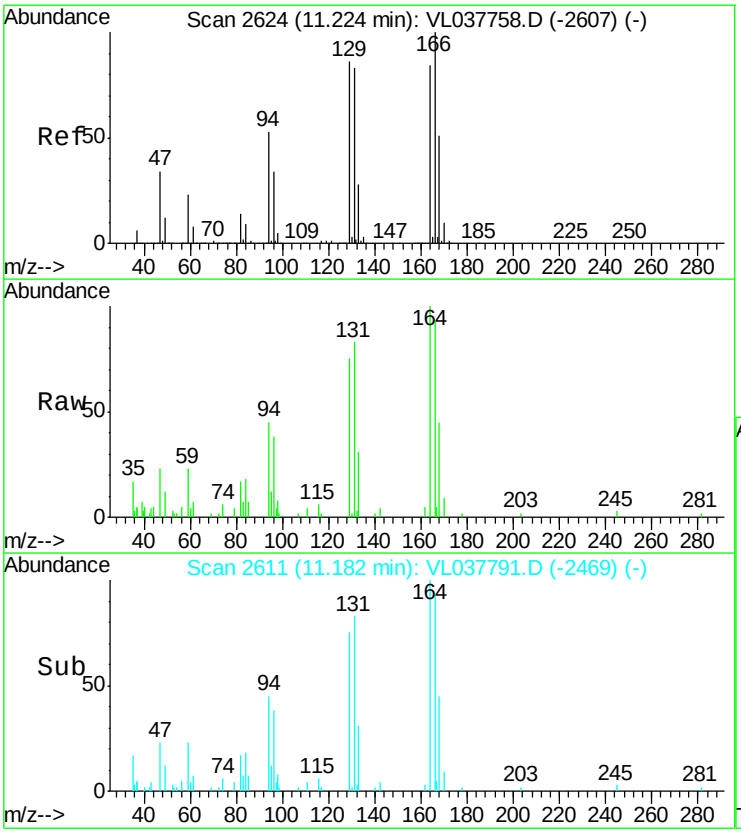
#40
1,4-Dioxane
Concen: 0.022 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.04 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Tgt Ion: 88 Resp: 625

Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	165.8	0.0	0.0#
57	0.0	0.0	0.0

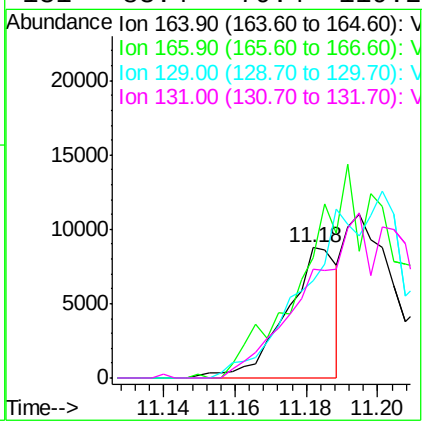


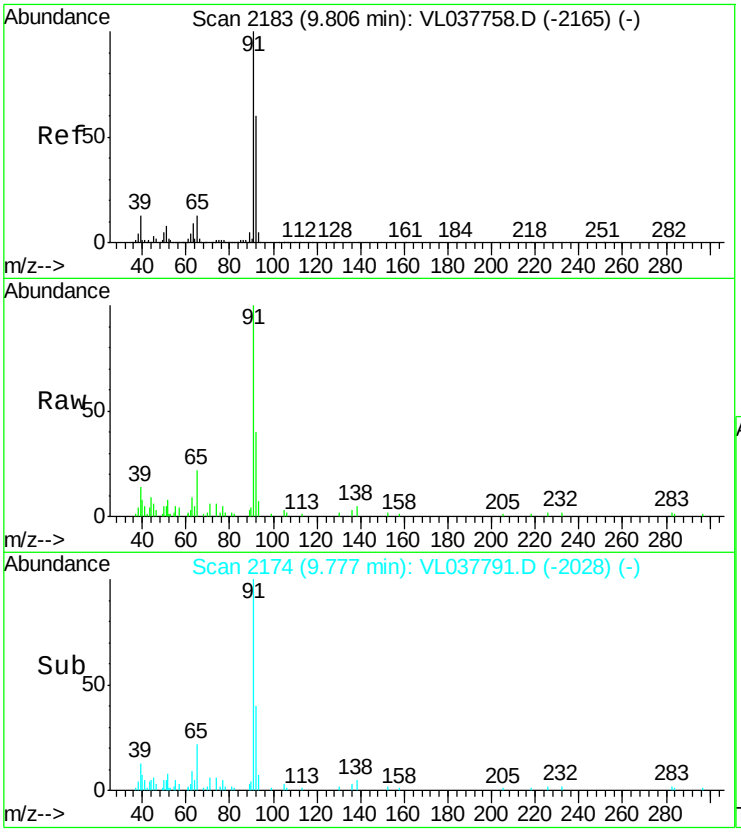


#52
Tetrachloroethene
Concen: 0.074 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.04 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion:164 Resp: 8664

Ion	Ratio	Lower	Upper
164	100		
166	92.6	95.4	143.2#
129	74.9	82.2	123.4#
131	83.4	79.4	119.2



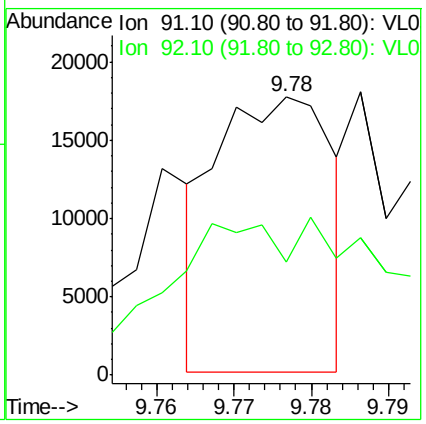


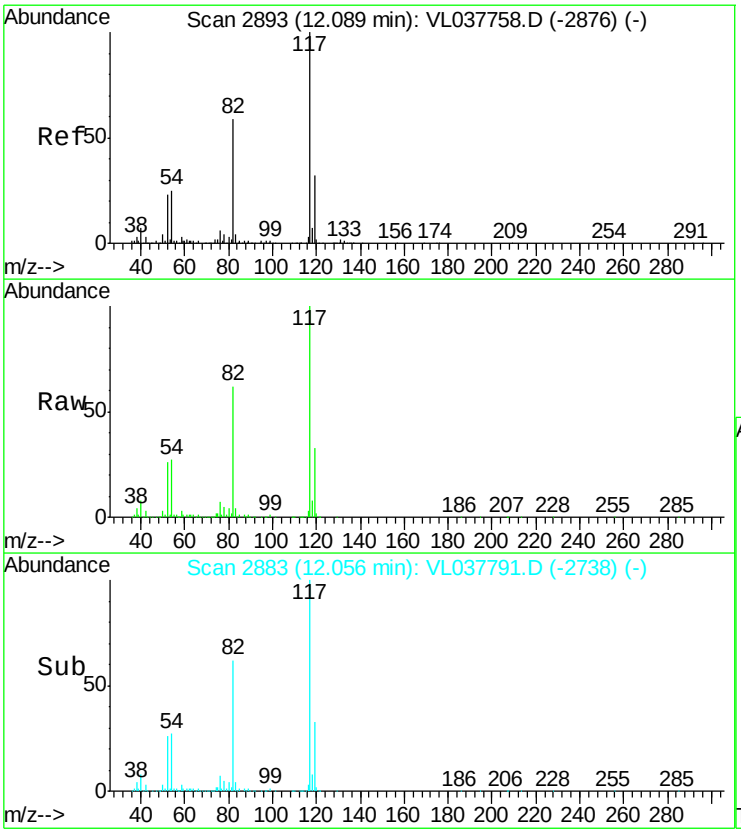
#53
Toluene
Concen: 0.054 ppbv
RT: 9.78 min Scan# 2174
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument : MSVOA_L
ClientSampleId : C0P26DL

Tgt Ion: 91 Resp: 18167

Ion	Ratio	Lower	Upper
91	100		
92	135.9	48.4	72.6#

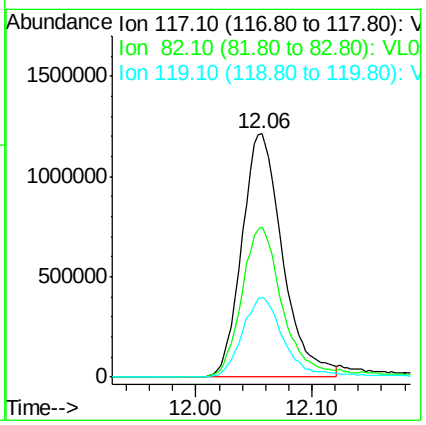


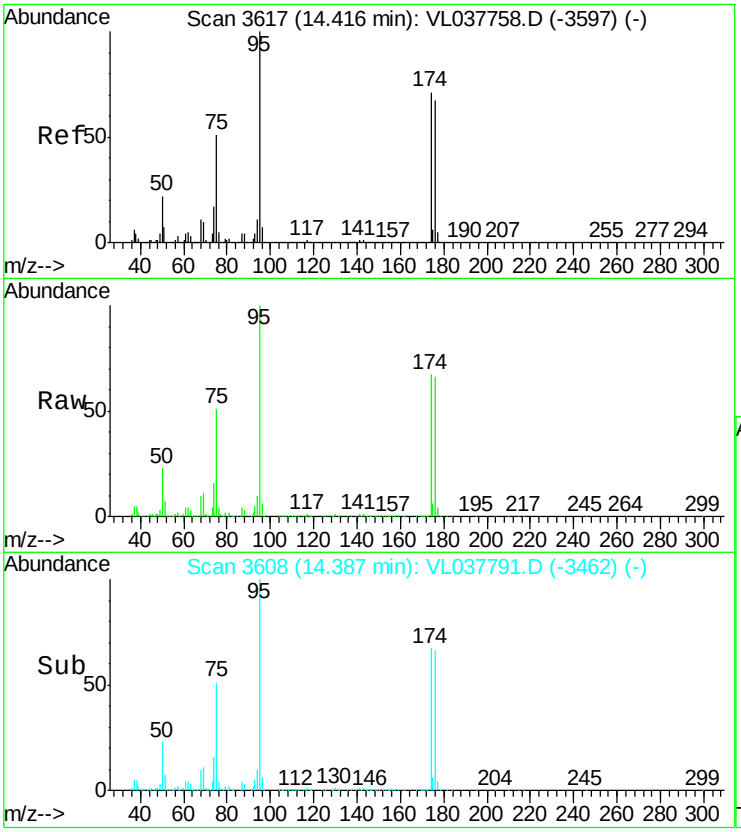


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Tgt Ion:117 Resp: 2962964

Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.2	78.2
119	35.1	26.0	39.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.914 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.03 min
Lab File: VL037791.D
Acq: 6 Oct 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :
C0P26DL

Tgt Ion: 95 Resp: 2054128

Ion	Ratio	Lower	Upper
95	100		
174	75.2	57.8	86.6
175	5.8	4.7	7.1