Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038729.D
Acq On : 23 Mar 2022 23:49
Operator : SY/AP
Sample : N2047-05DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Quant Time: Mar 24 04:36:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	908733	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2481645	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2134304	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1541828	9.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	10796	0.088	ppbv		93
3) Chlorodifluoromethane	2.99	51	5599	0.058	ppbv		99
4) Chloromethane	3.14	50	2642	0.050	ppbv		90
9) Propene	3.02	41	14515	0.313	ppbv		95
13) Ethanol	3.61	45	51066	9.991	ppbv		83
15) Acetone	3.85	43	192177	2.451	ppbv	#	87
16) 1,3-Butadiene	3.33	39	1682	0.038	ppbv	#	6
17) tert-Butyl alcohol	4.30	59	6000	0.088	ppbv	#	83
19) Isopropyl Alcohol	3.99	45	2051	0.047	ppbv	#	91
20) Methylene Chloride	4.34	84	21807	0.660	ppbv		96
23) Vinyl Acetate	5.06	43	3378	0.044	ppbv	#	76
26) Hexane	5.68	57	9179	0.104	ppbv	#	36
29) Chloroform	5.74	83	29951	0.212	ppbv		88
34) 2-Butanone	5.24	43	180477	1.837	ppbv		92
39) 1,2-Dichloropropane	7.17	63	566308	7.563	ppbv	#	28
52) Tetrachloroethene	11.21	164	284246	4.055	ppbv		97
53) Toluene	9.80	91	7792	0.038	ppbv	#	46

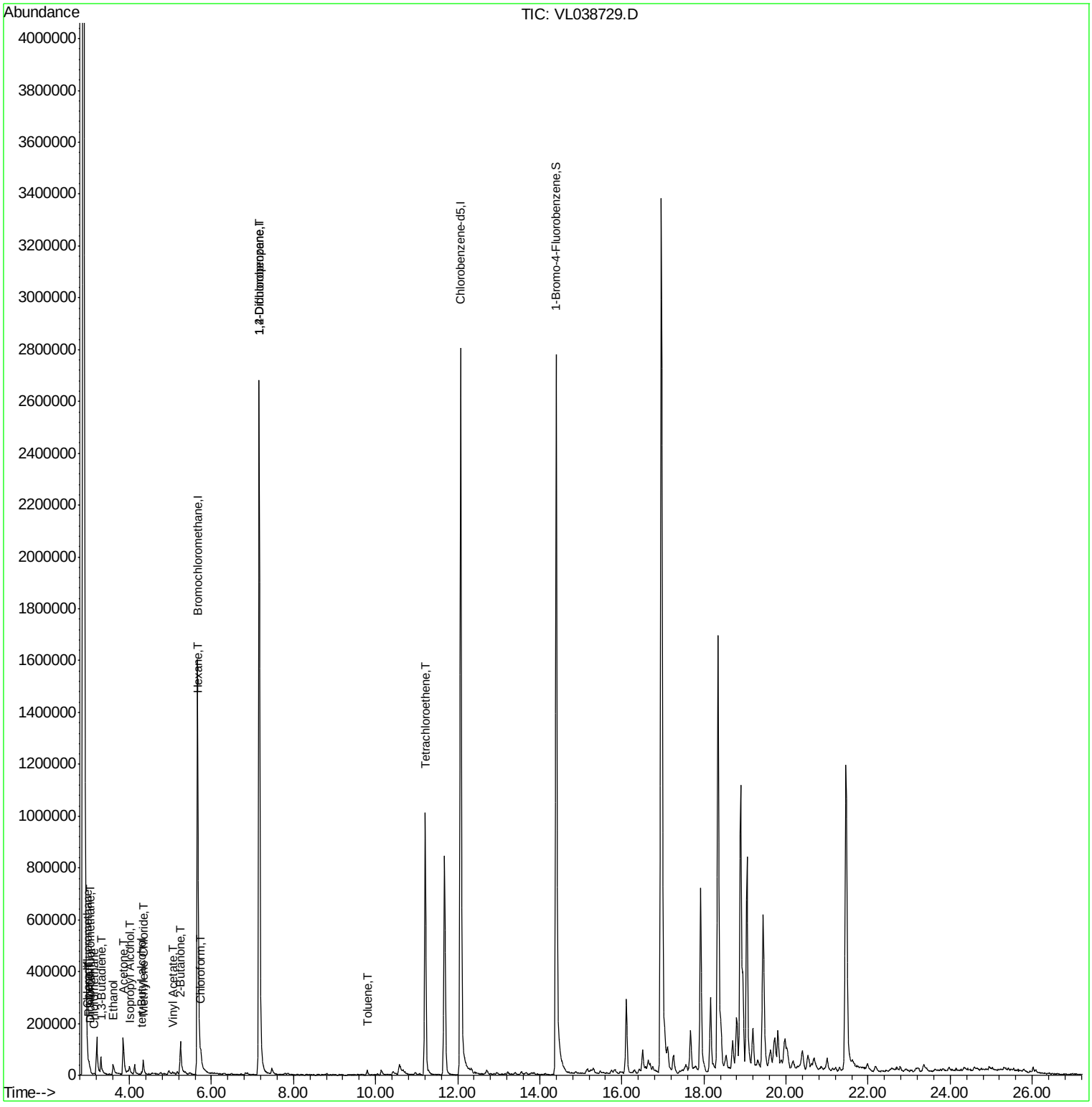
(#) = qualifier out of range (m) = manual integration (+) = signals summed

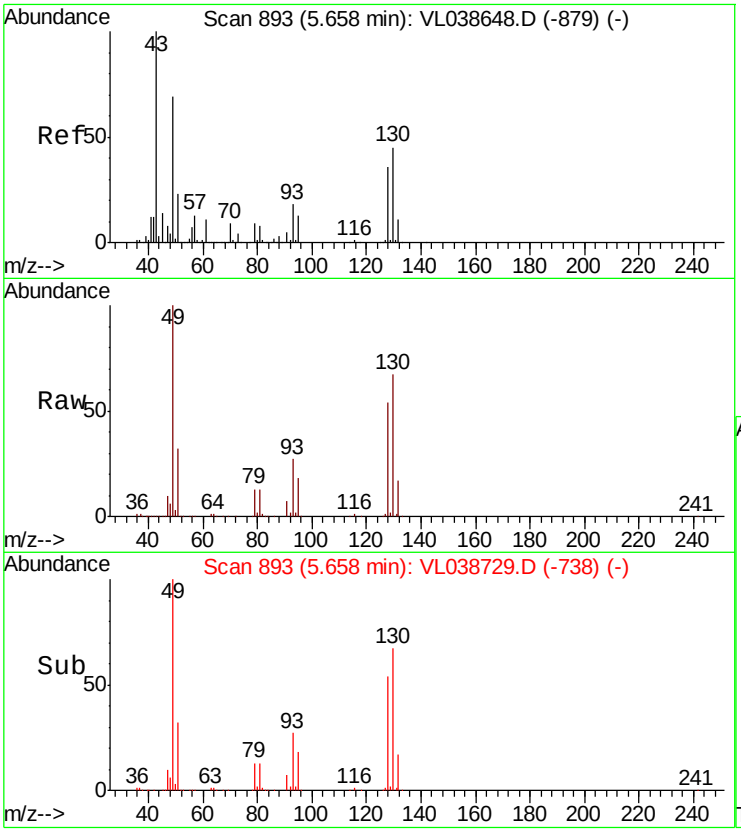
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038729.D
Acq On : 23 Mar 2022 23:49
Operator : SY/AP
Sample : N2047-05DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Quant Time: Mar 24 04:36:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



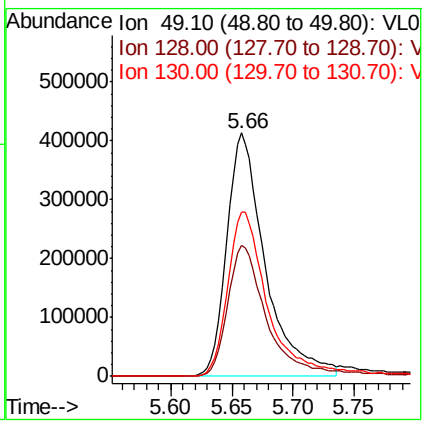


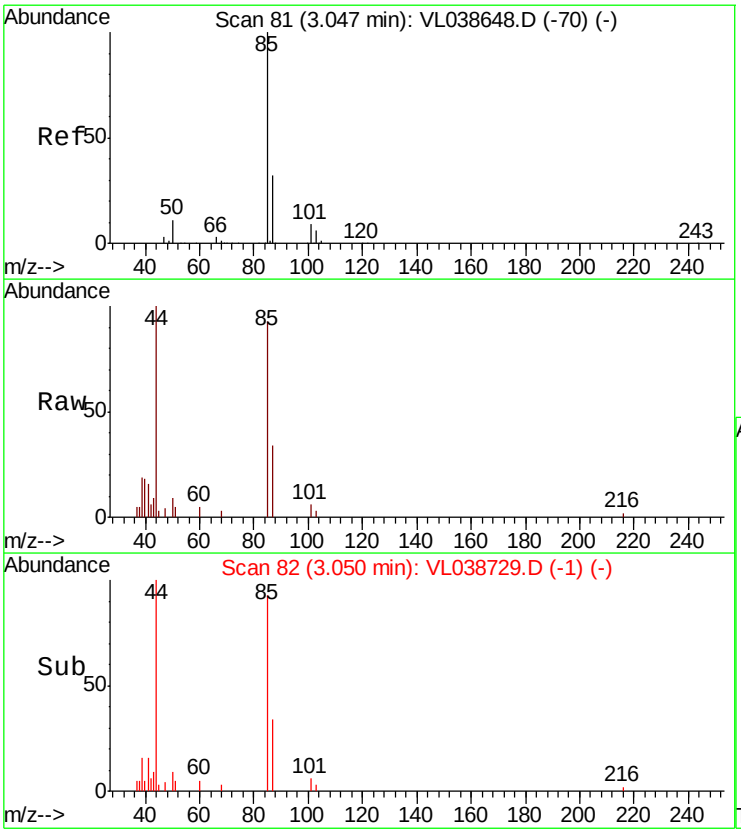
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 49 Resp: 908733

Ion	Ratio	Lower	Upper
49	100		
128	56.6	26.2	78.6
130	73.5	33.7	101.1

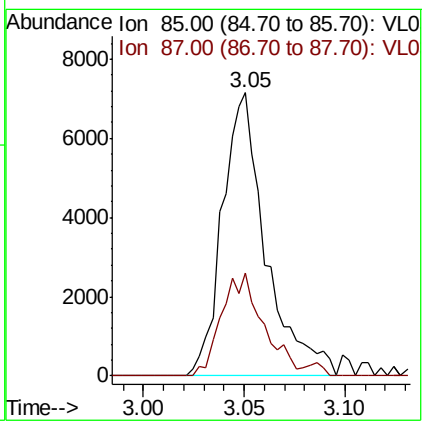


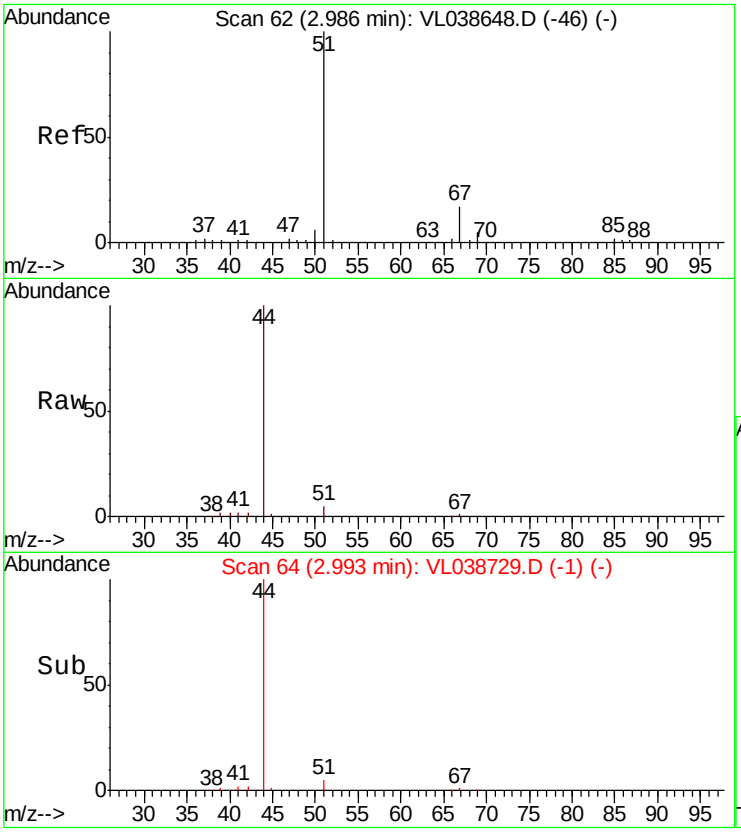


#2
Dichlorodifluoromethane
Concen: 0.088 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 85 Resp: 10796

Ion	Ratio	Lower	Upper
85	100		
87	36.4	26.0	39.0



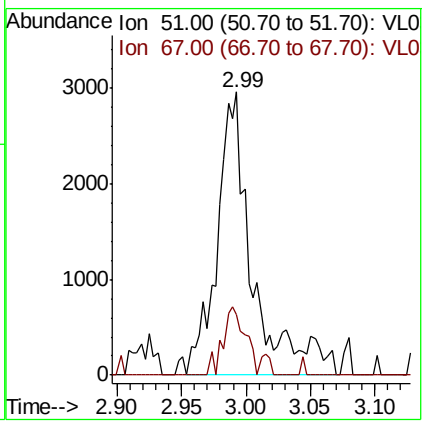


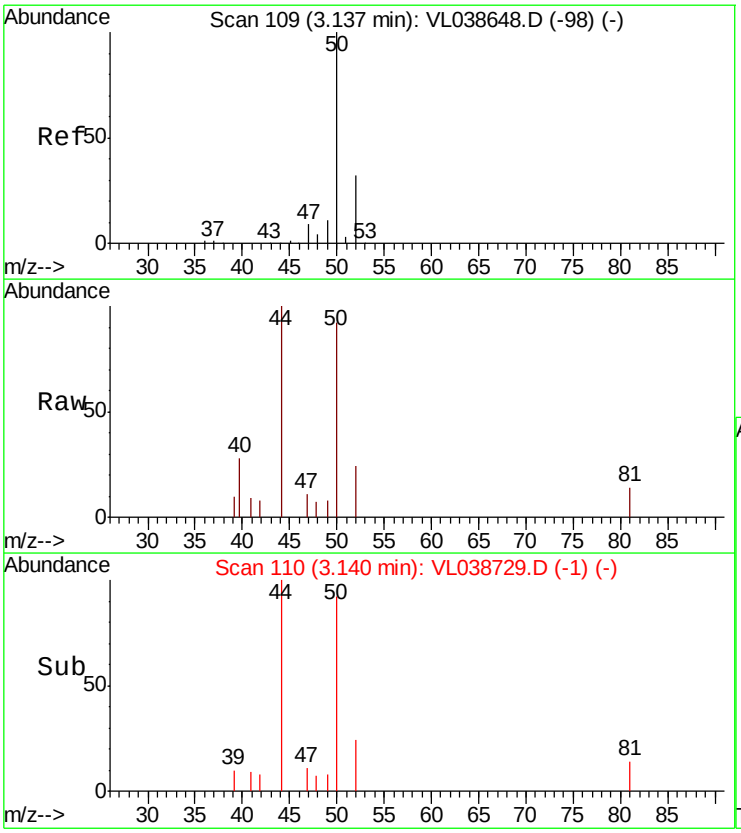
#3
Chlorodifluoromethane
Concen: 0.058 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 51 Resp: 5599

Ion	Ratio	Lower	Upper
51	100		
67	17.4	14.1	21.1

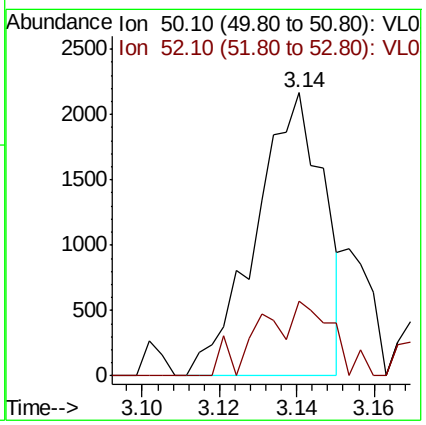


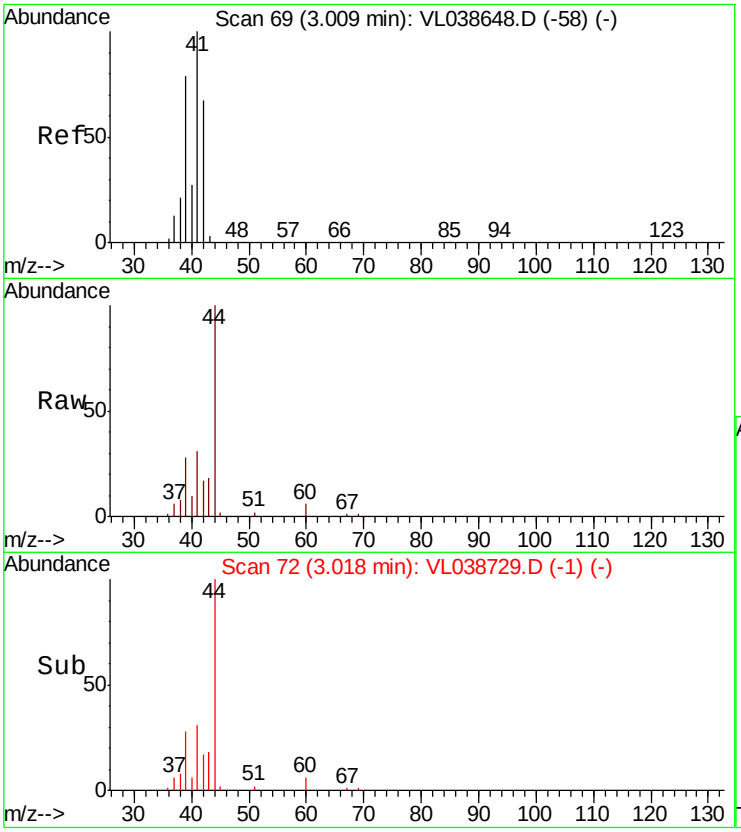


#4
Chloromethane
Concen: 0.050 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 50 Resp: 2642

Ion	Ratio	Lower	Upper
50	100		
52	26.4	25.5	38.3



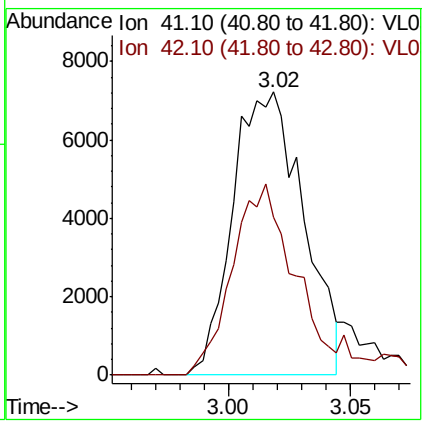


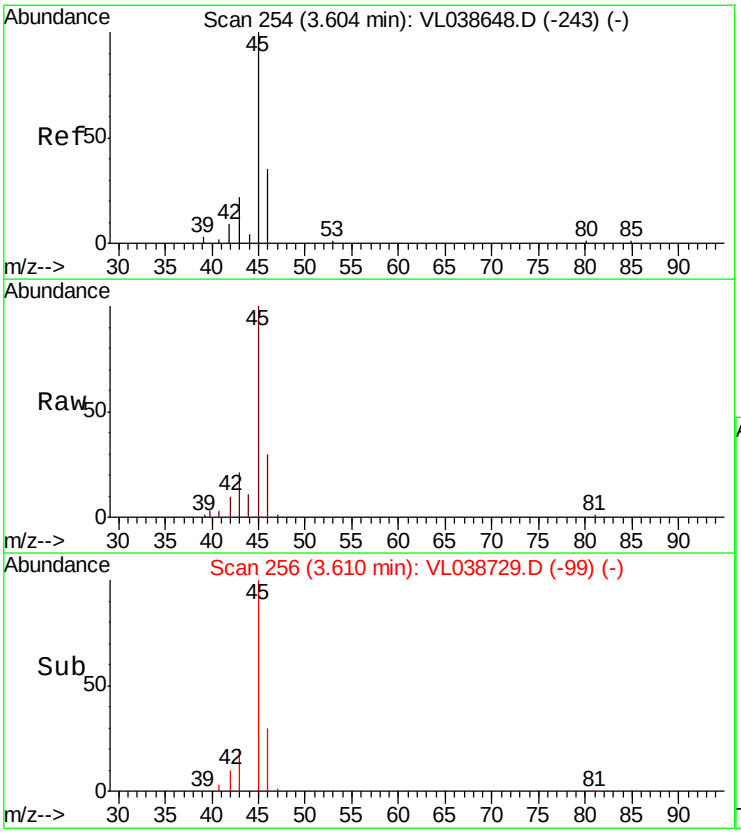
#9
Propene
Concen: 0.313 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 41 Resp: 14515

Ion	Ratio	Lower	Upper
41	100		
42	66.5	56.2	84.4

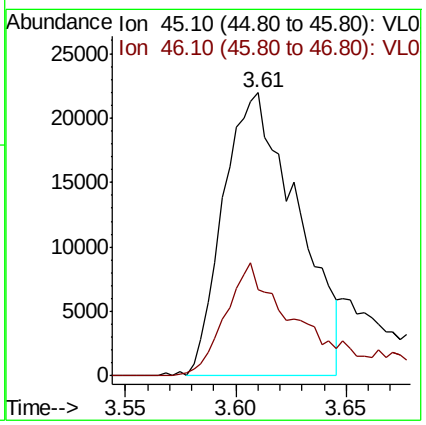


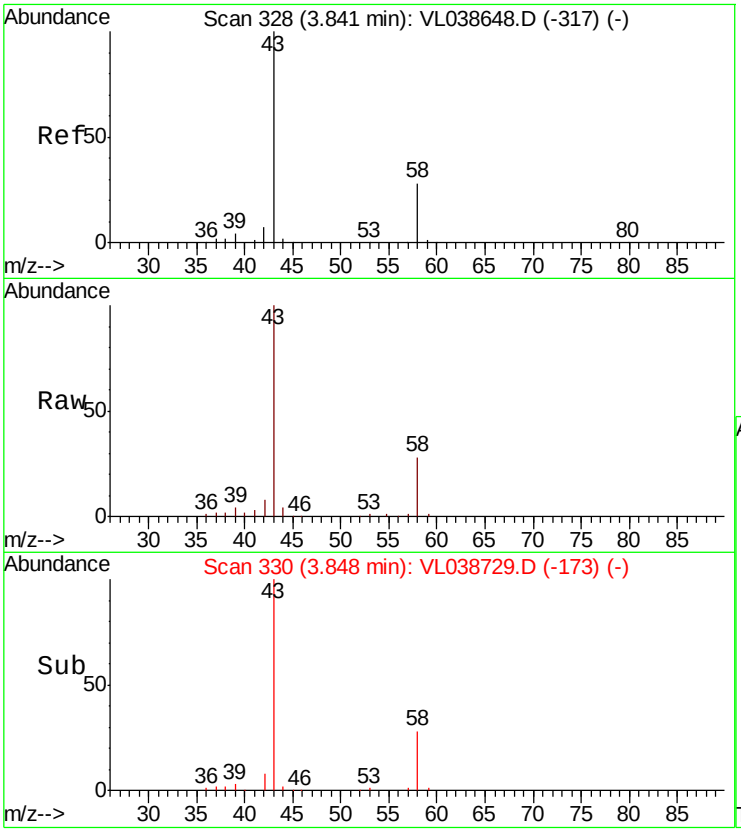


#13
Ethanol
Concen: 9.991 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 45 Resp: 51066

Ion	Ratio	Lower	Upper
45	100		
46	48.1	15.1	60.5



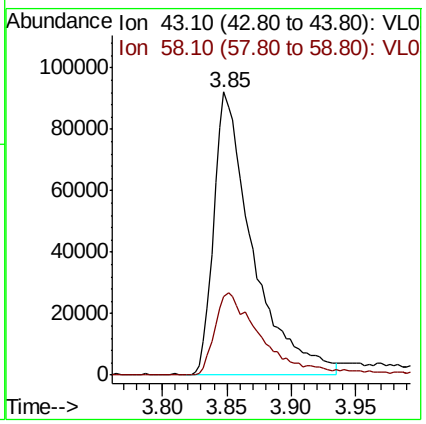


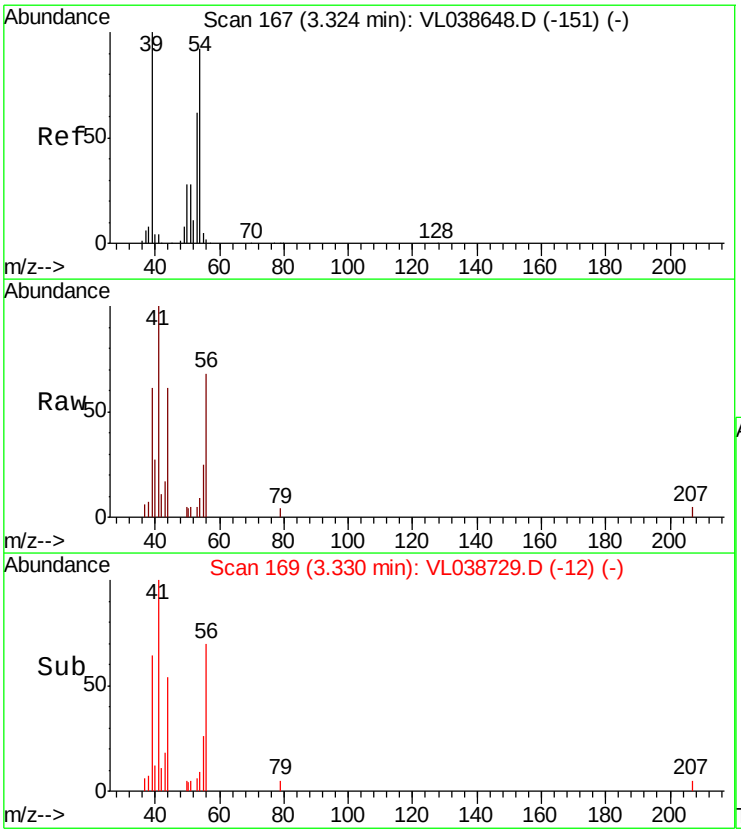
#15
Acetone
Concen: 2.451 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 43 Resp: 192177

Ion	Ratio	Lower	Upper
43	100		
58	36.2	23.3	34.9#

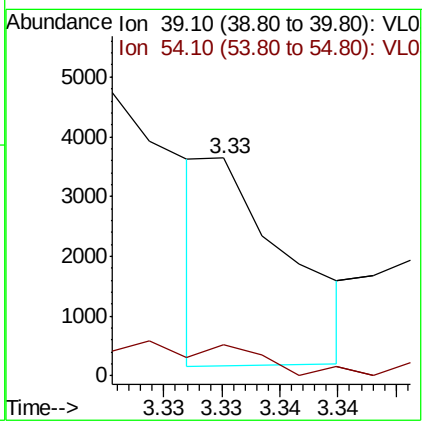


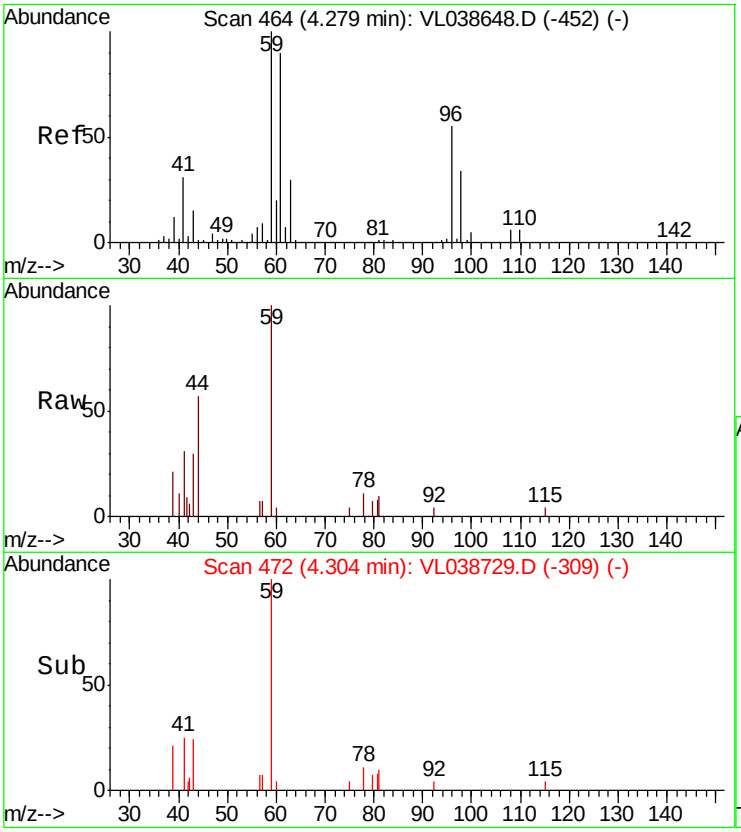


#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 39 Resp: 1682

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.1	103.7#



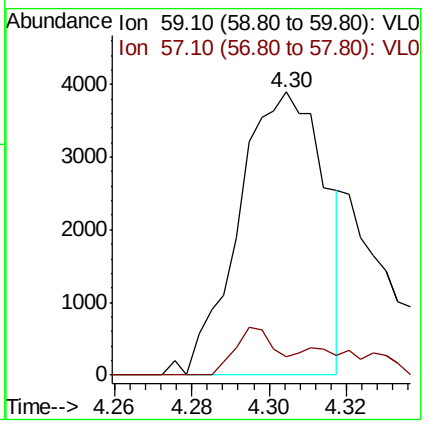


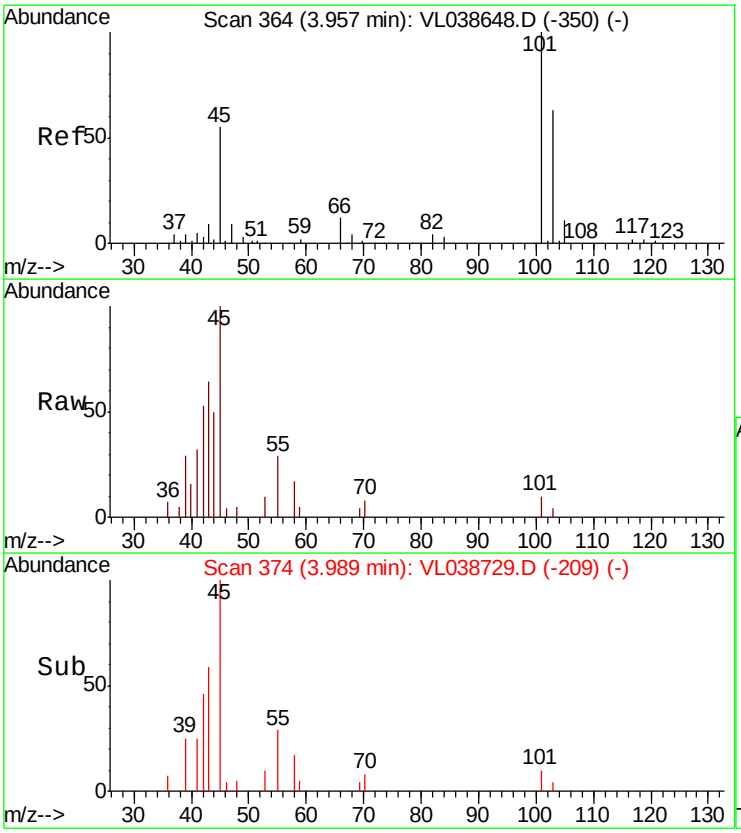
#17
tert-Butyl alcohol
Concen: 0.088 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 59 Resp: 6000

Ion	Ratio	Lower	Upper
59	100		
57	16.4	8.2	12.2#

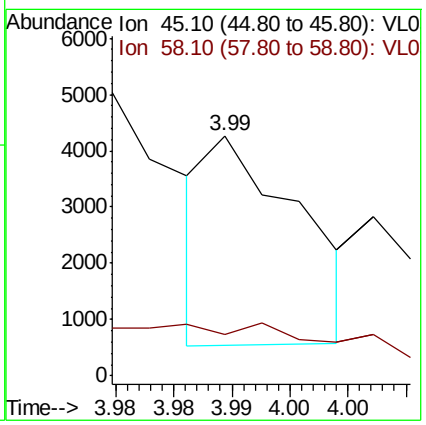


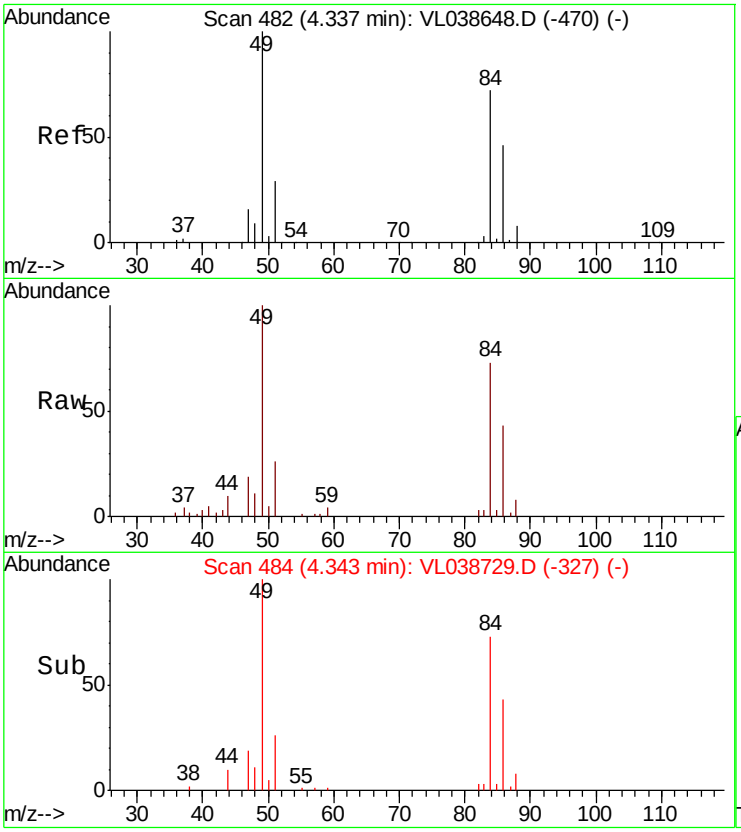


#19
Isopropyl Alcohol
Concen: 0.047 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 45 Resp: 2051

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#



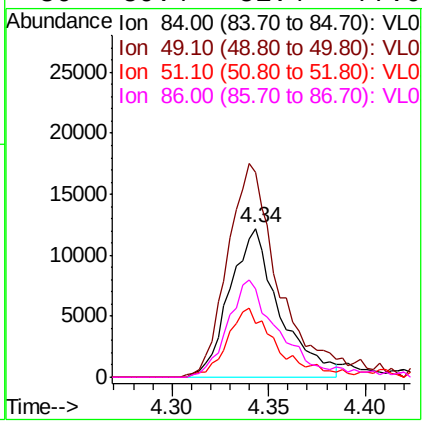


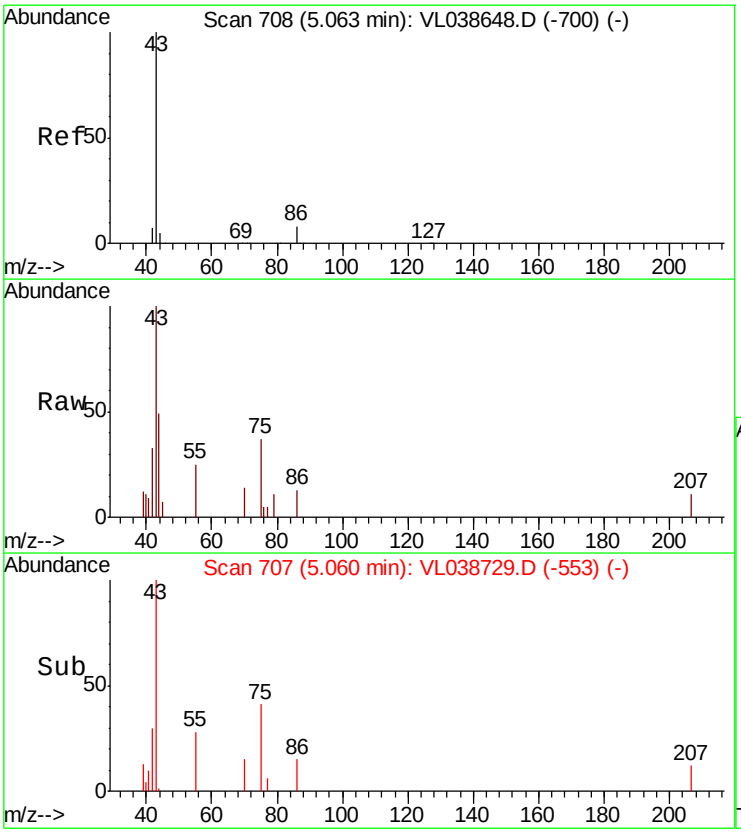
#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 84 Resp: 21807

Ion	Ratio	Lower	Upper
84	100		
49	136.5	111.2	166.8
51	35.9	32.8	49.2
86	59.4	51.4	77.0

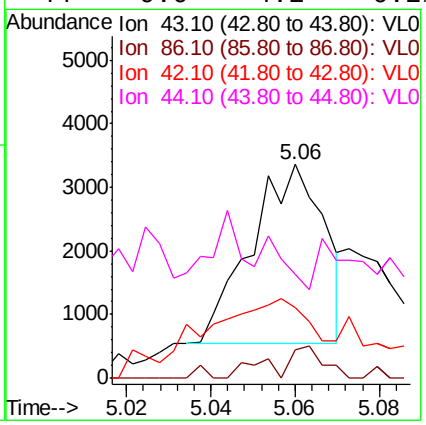


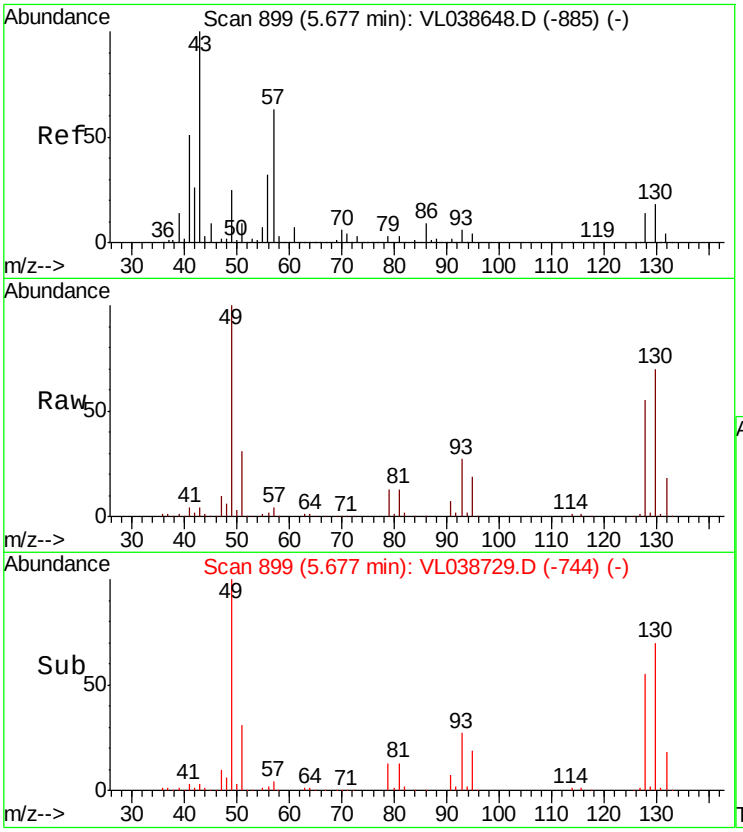


#23
Vinyl Acetate
Concen: 0.044 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 43 Resp: 3378

Ion	Ratio	Lower	Upper
43	100		
86	16.0	5.6	8.4#
42	18.5	6.8	10.2#
44	0.0	4.2	6.2#



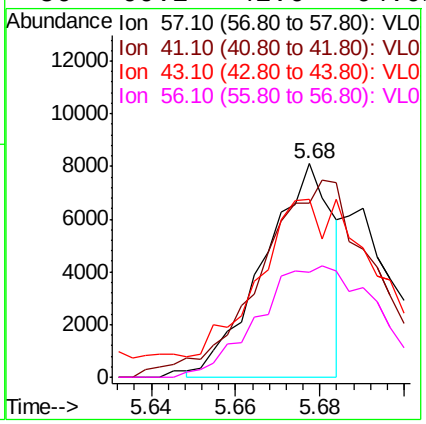


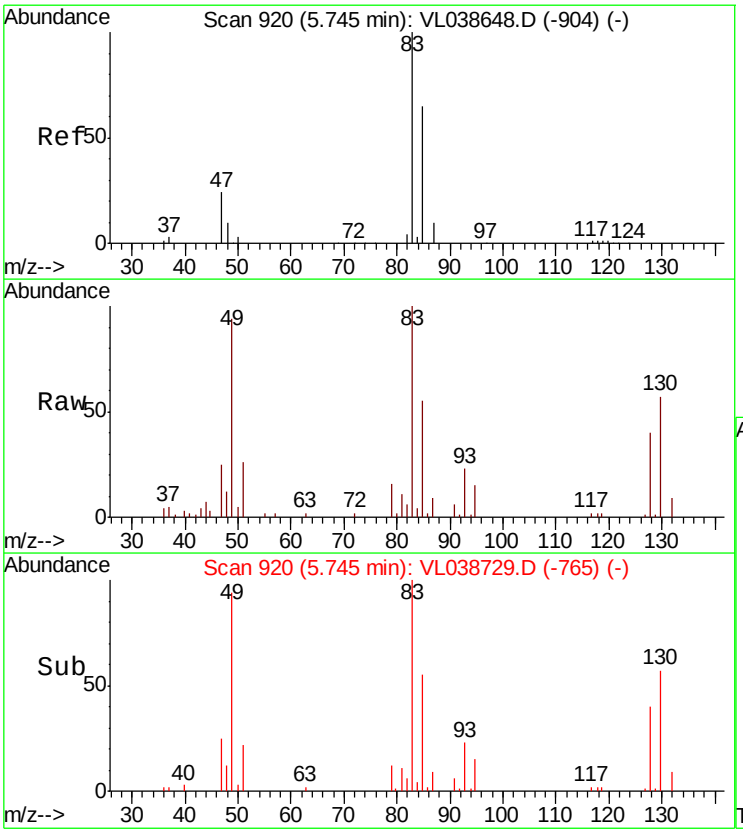
#26
Hexane
Concen: 0.104 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 57 Resp: 9179

Ion	Ratio	Lower	Upper
57	100		
41	173.3	67.0	100.4#
43	144.2	184.2	276.2#
56	99.2	42.6	64.0#

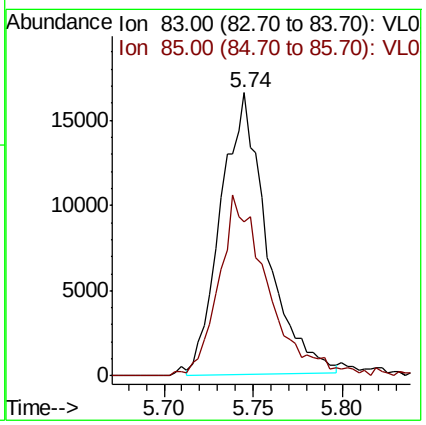


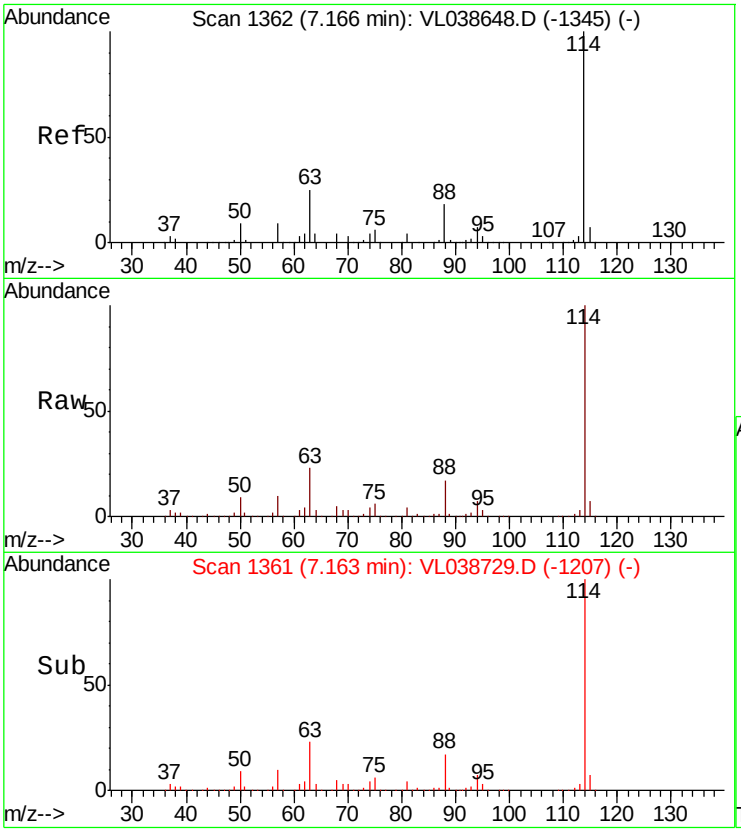


#29
Chloroform
Concen: 0.212 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 83 Resp: 29951

Ion	Ratio	Lower	Upper
83	100		
85	54.8	51.7	77.5



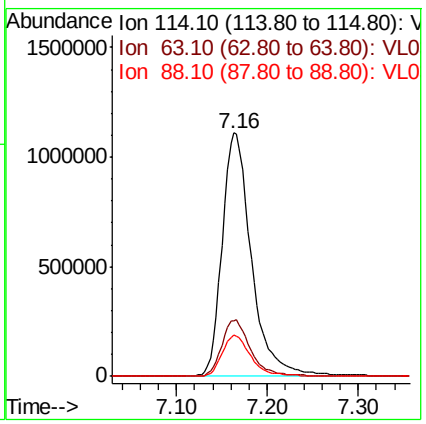


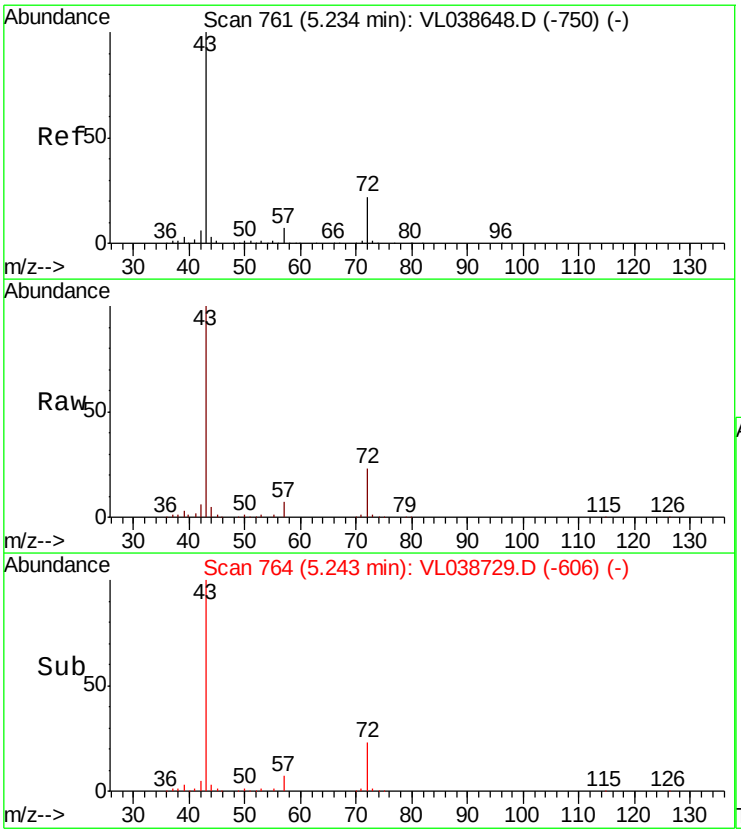
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion:114 Resp: 2481645

Ion	Ratio	Lower	Upper
114	100		
63	23.2	19.4	29.0
88	16.8	13.9	20.9

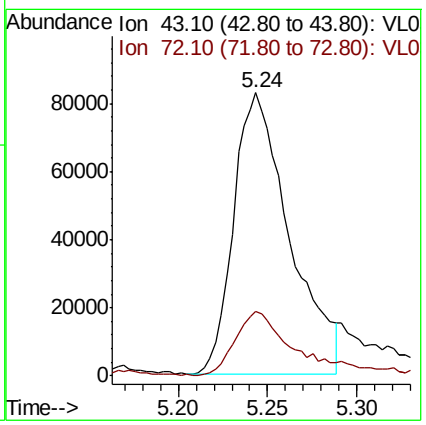


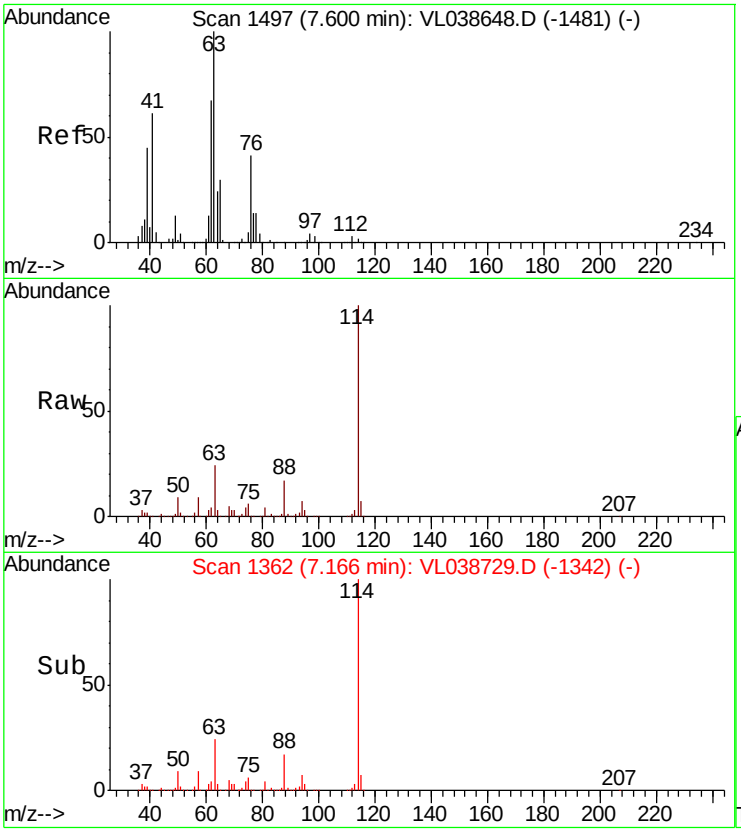


#34
2-Butanone
Concen: 1.837 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion: 43 Resp: 180477

Ion	Ratio	Lower	Upper
43	100		
72	26.2	17.8	26.8



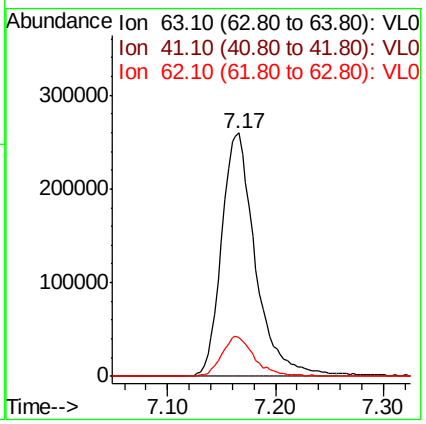


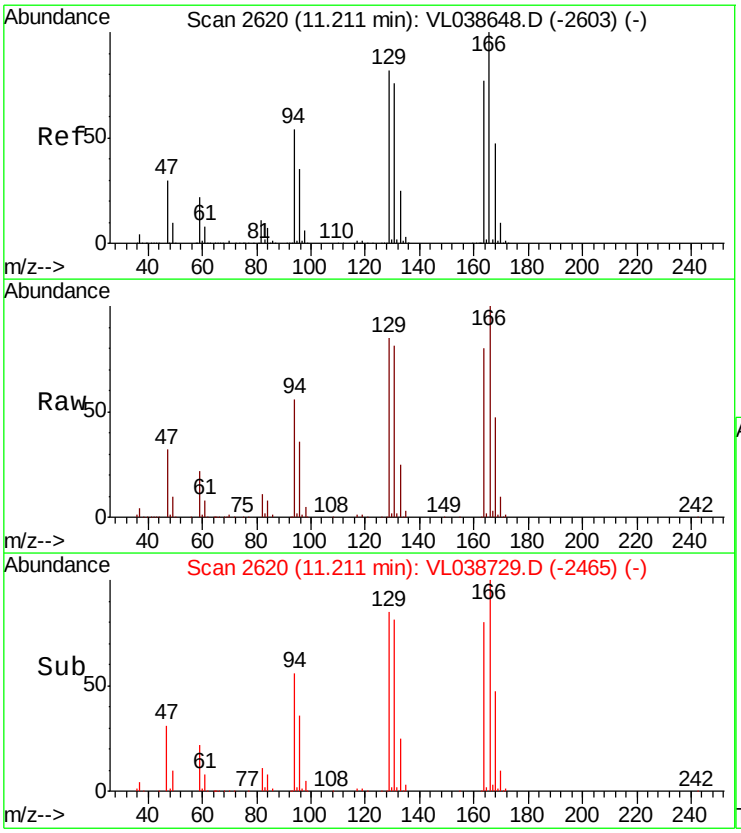
#39
1,2-Dichloropropane
Concen: 7.563 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 63 Resp: 566308

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.0	73.6#
62	16.1	53.9	80.9#

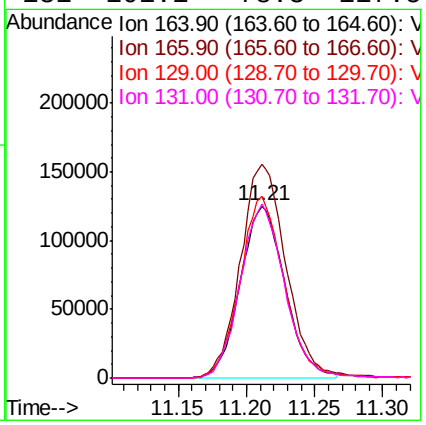


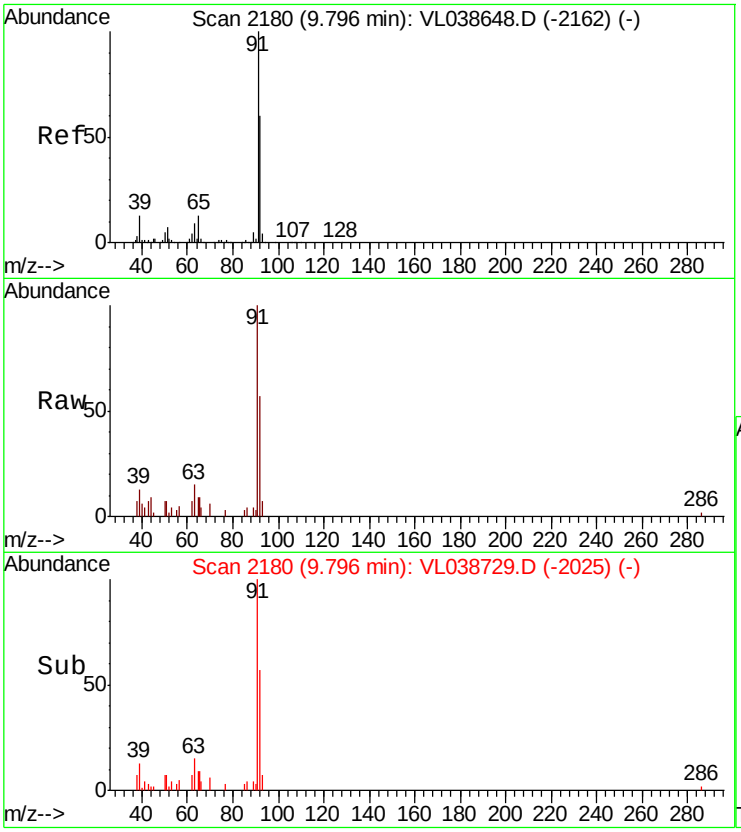


#52
Tetrachloroethene
Concen: 4.055 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion:164 Resp: 284246

Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.3	154.9
129	105.4	85.2	127.8
131	101.1	78.3	117.5



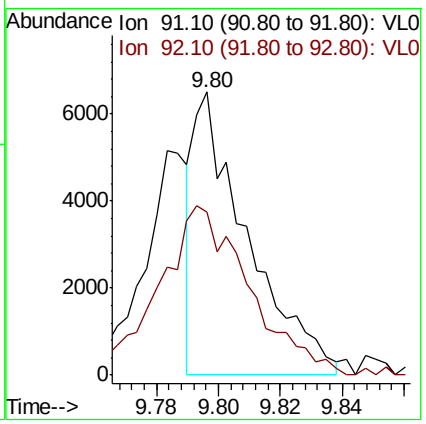


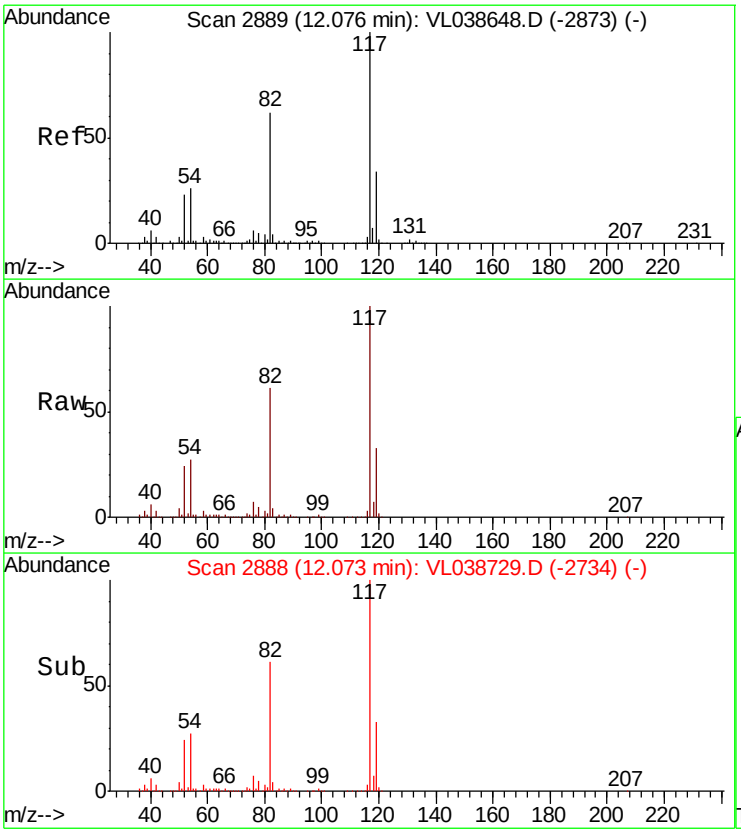
#53
Toluene
Concen: 0.038 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 91 Resp: 7792

Ion	Ratio	Lower	Upper
91	100		
92	102.2	48.7	73.1#

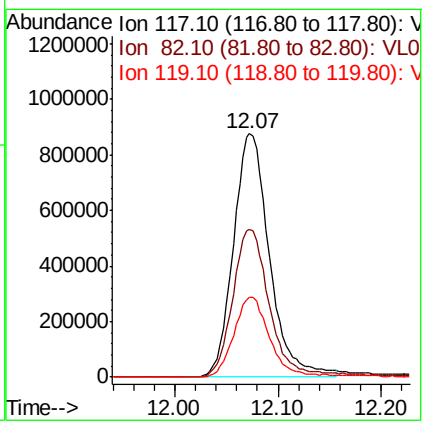


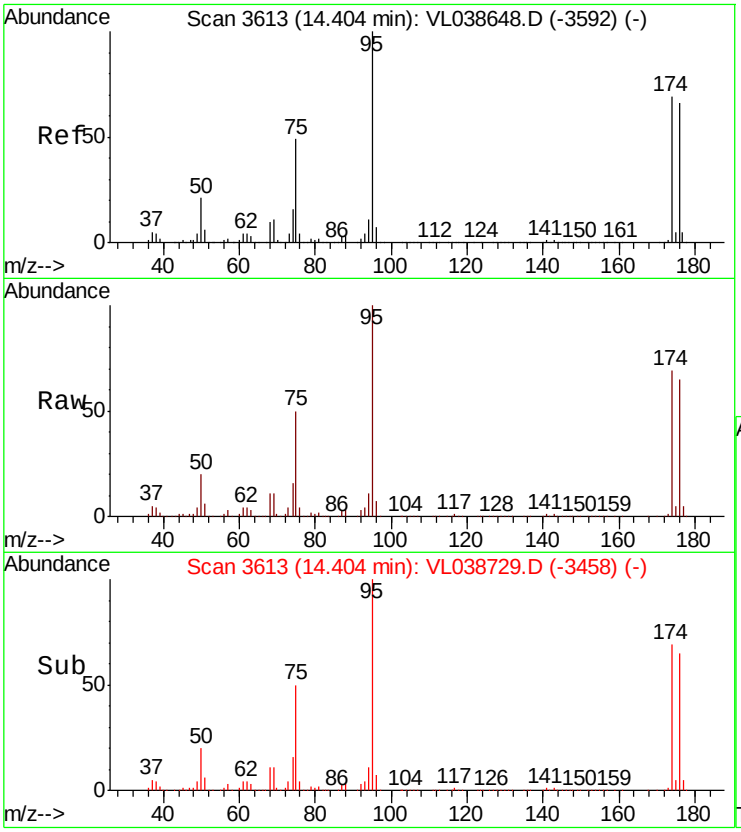


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL038729.D
Acq: 23 Mar 2022 23:49

Tgt Ion:117 Resp: 2134304

Ion	Ratio	Lower	Upper
117	100		
82	63.4	51.6	77.4
119	33.9	26.9	40.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.422 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 23 Mar 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
C0PB0DL

Tgt Ion: 95 Resp: 1541828

Ion	Ratio	Lower	Upper
95	100		
174	72.9	56.1	84.1
175	5.2	4.2	6.2