Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035641.D
Acq On : 16 Sep 2020 23:04
Operator : SY/AP
Sample : L4036-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Quant Time: Sep 17 07:09:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1052598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4119276	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4136805	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3070496	10.45	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	47553	0.261	ppbv	94
3) Chlorodifluoromethane	2.98	51	37971	0.326	ppbv	94
4) Chloromethane	3.13	50	29317	0.470	ppbv	89
9) Propene	3.02	41	10321	0.230	ppbv	94
11) Trichlorofluoromethane	3.94	101	66192	0.249	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	14582	0.073	ppbv	98
13) Ethanol	3.60	45	68245	6.133	ppbv	97
15) Acetone	3.85	43	301612	2.598	ppbv	95
16) 1,3-Butadiene	3.30	39	2185	0.051	ppbv #	16
19) Isopropyl Alcohol	3.98	45	18107	0.261	ppbv #	93
20) Methylene Chloride	4.34	84	97535	1.128	ppbv	93
23) Vinyl Acetate	5.06	43	7118	0.048	ppbv #	78
25) Ethyl Acetate	5.68	43	137590	0.671	ppbv #	74
26) Hexane	5.68	57	233885	2.013	ppbv #	48
27) Carbon Disulfide	4.55	76	81499	0.489	ppbv	97
34) 2-Butanone	5.26	43	24409	0.200	ppbv	97
35) Carbon Tetrachloride	7.02	117	14774	0.071	ppbv	95
36) Benzene	6.89	78	15916	0.060	ppbv	96
39) 1,2-Dichloropropane	7.17	63	794087	8.816	ppbv #	32
52) Tetrachloroethene	11.23	164	31375	0.201	ppbv	95
53) Toluene	9.81	91	191824	0.572	ppbv	97

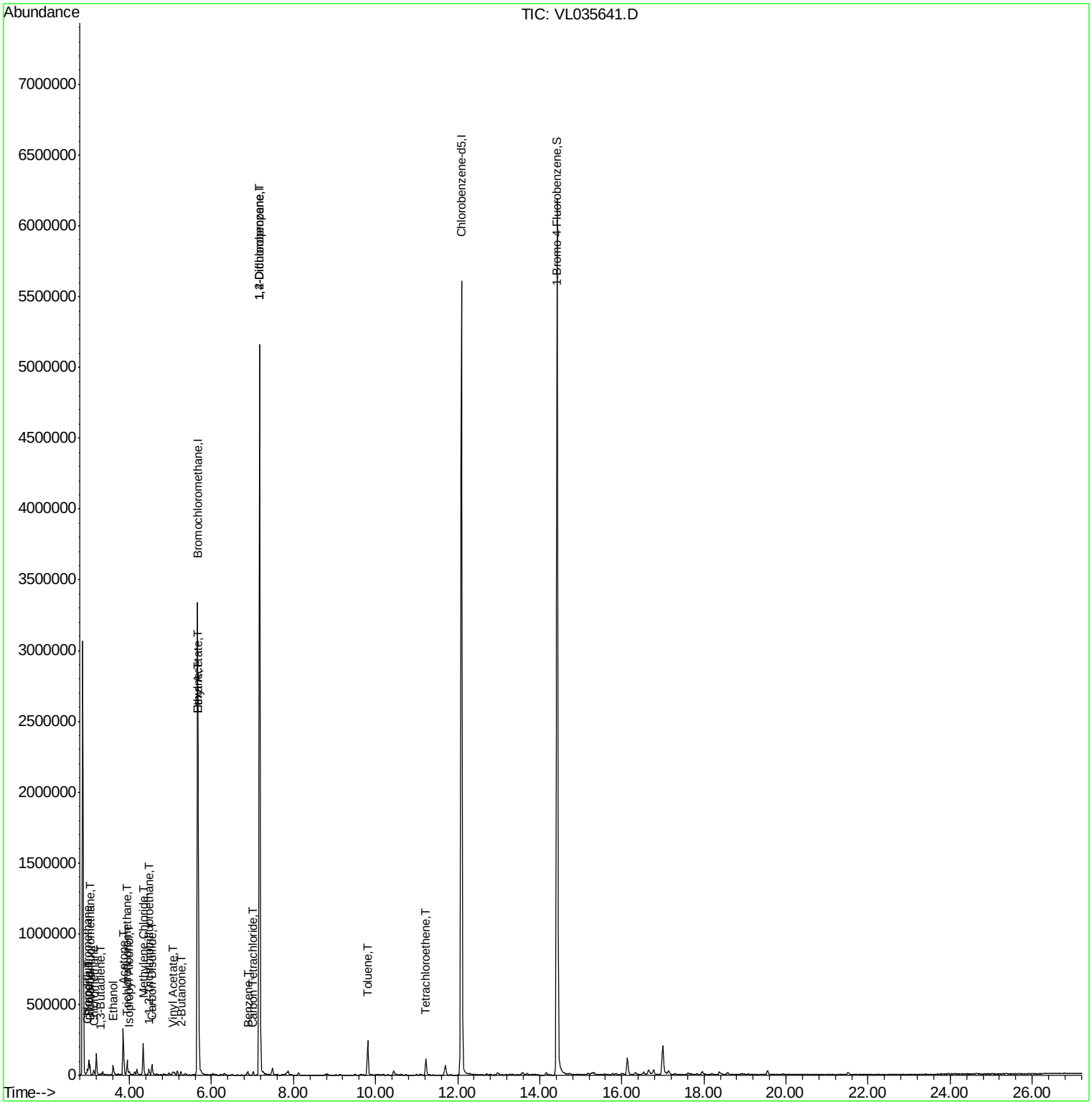
(#) = qualifier out of range (m) = manual integration (+) = signals summed

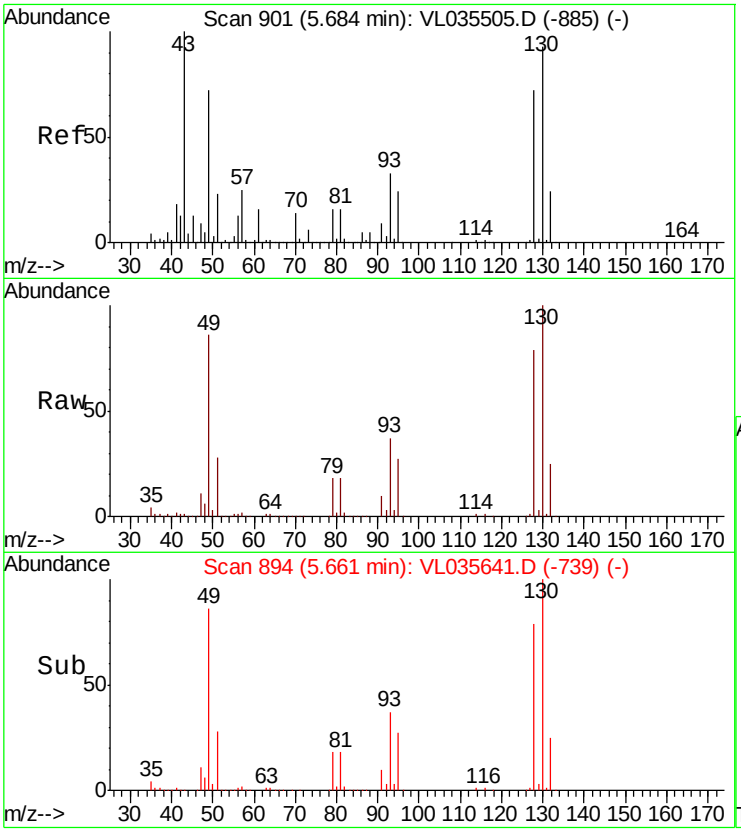
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035641.D
Acq On : 16 Sep 2020 23:04
Operator : SY/AP
Sample : L4036-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Quant Time: Sep 17 07:09:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration



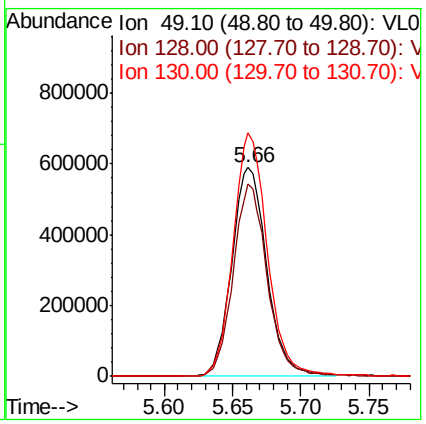


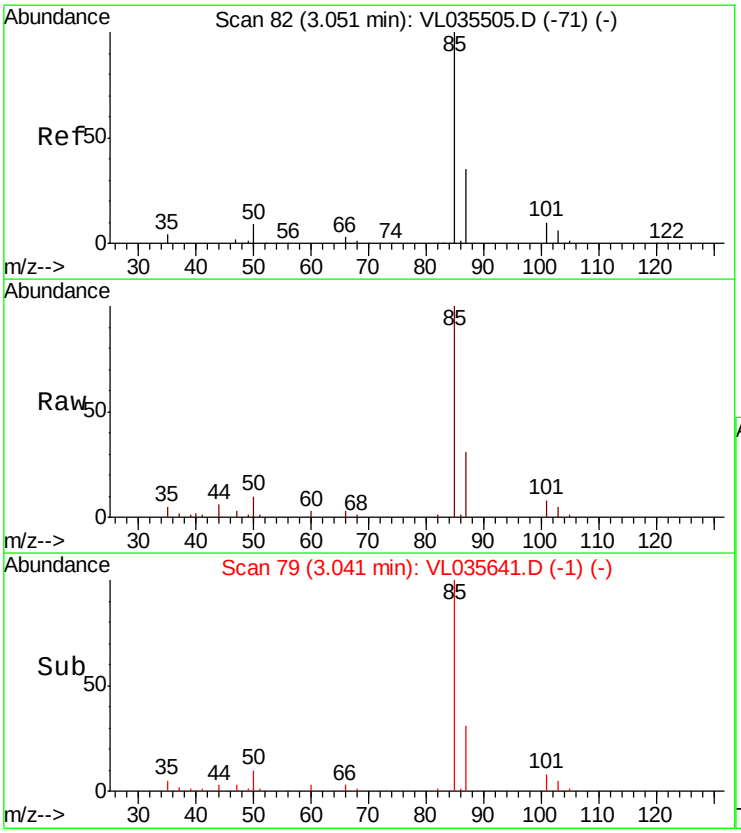
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 49 Resp: 1052598

Ion	Ratio	Lower	Upper
49	100		
128	90.1	50.0	150.1
130	114.5	64.4	193.2

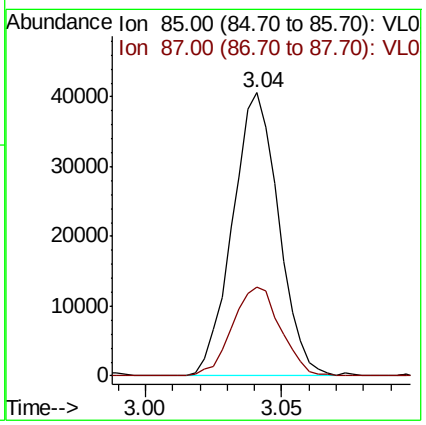


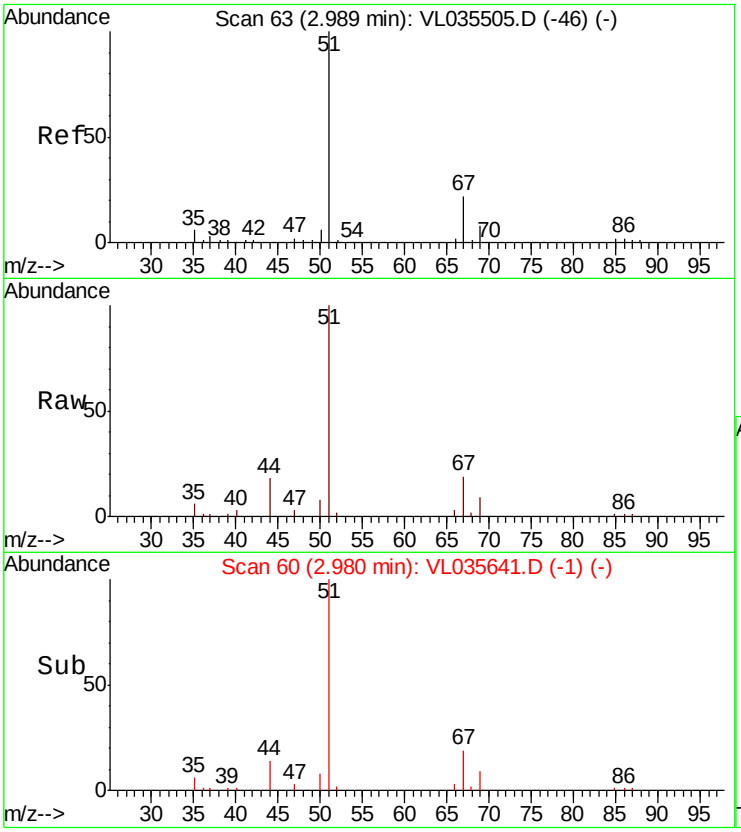


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.04 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 85 Resp: 47553

Ion	Ratio	Lower	Upper
85	100		
87	31.4	28.0	42.0



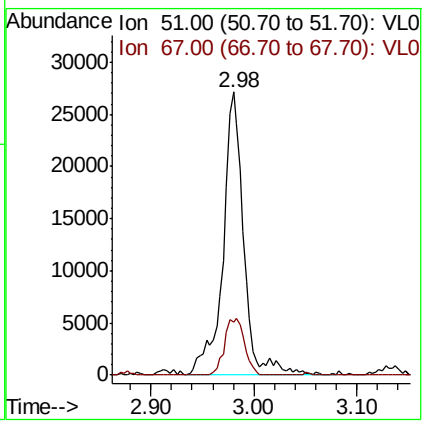


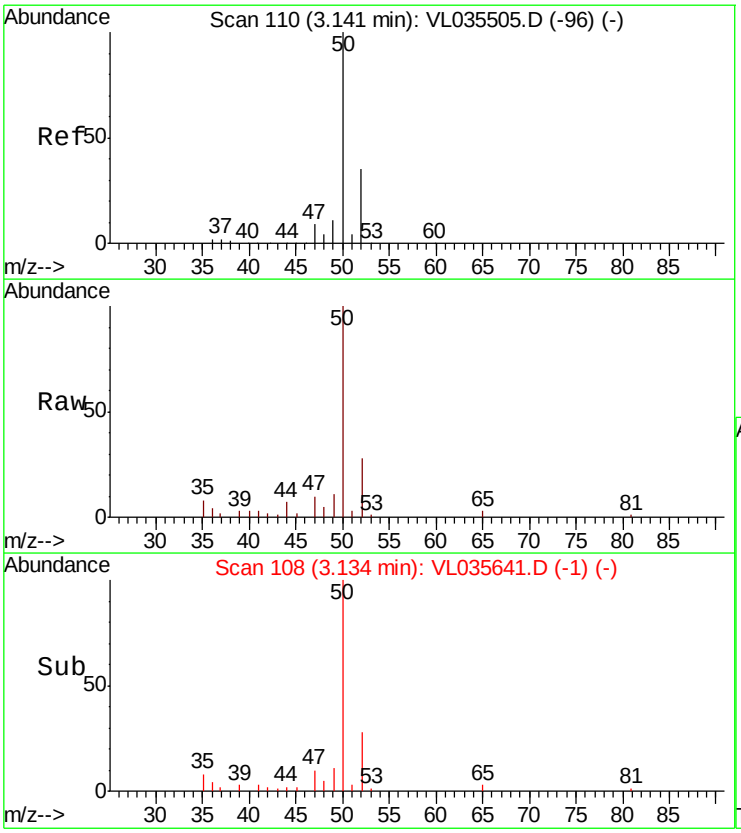
#3
Chlorodifluoromethane
Concen: 0.326 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 51 Resp: 37971

Ion	Ratio	Lower	Upper
51	100		
67	19.3	17.8	26.8

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y03

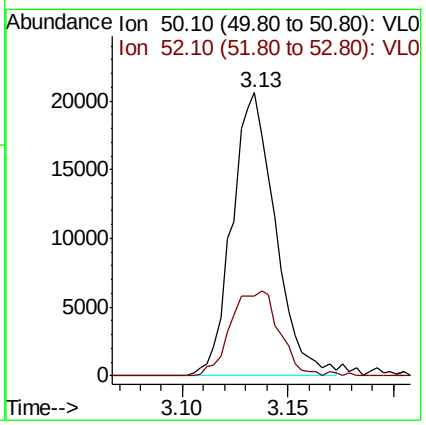


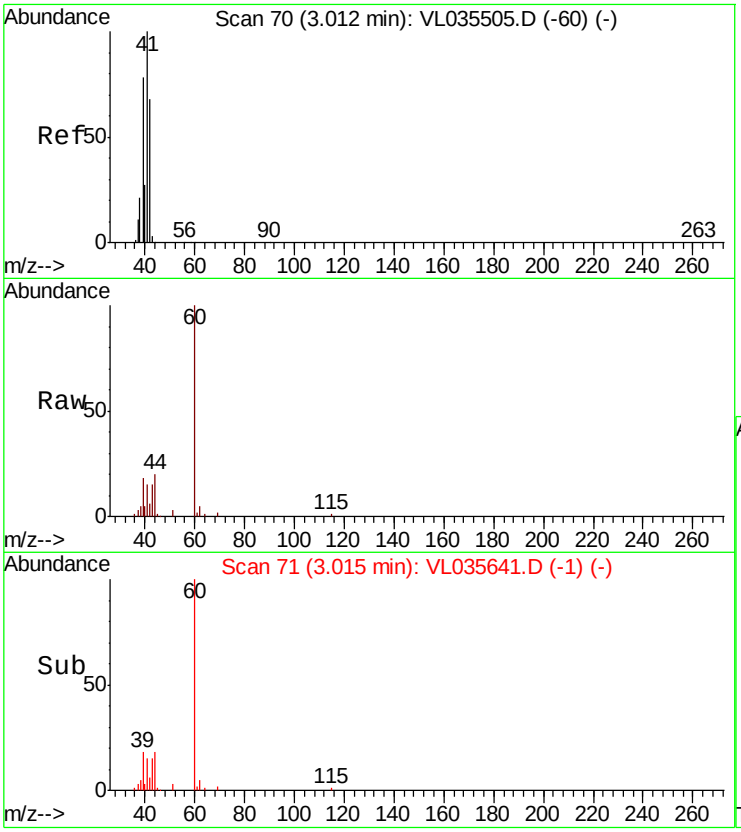


#4
Chloromethane
Concen: 0.470 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 50 Resp: 29317

Ion	Ratio	Lower	Upper
50	100		
52	28.1	27.7	41.5



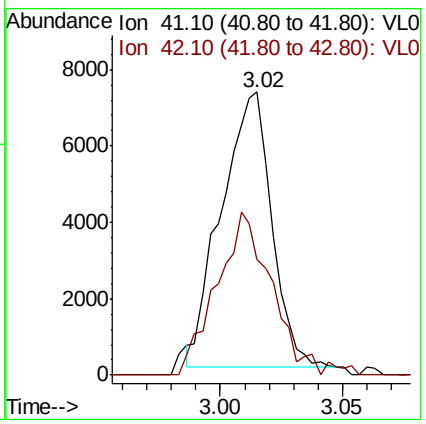


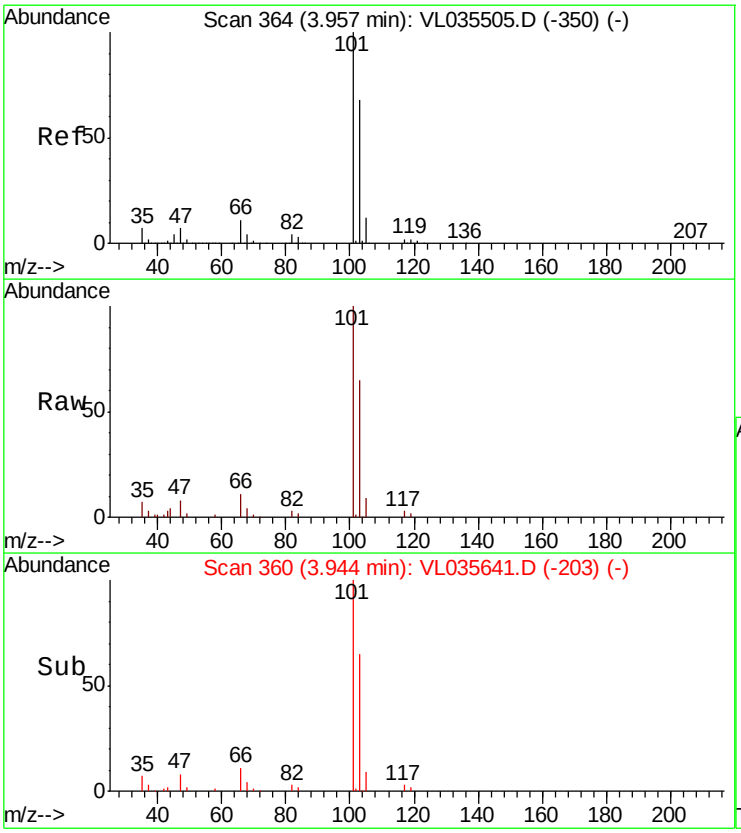
#9
Propene
Concen: 0.230 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.02 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 41 Resp: 10321

Ion	Ratio	Lower	Upper
41	100		
42	65.6	56.3	84.5

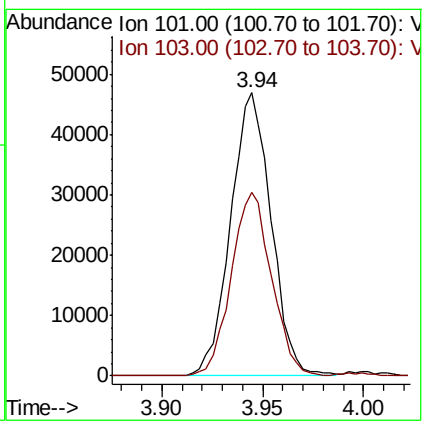


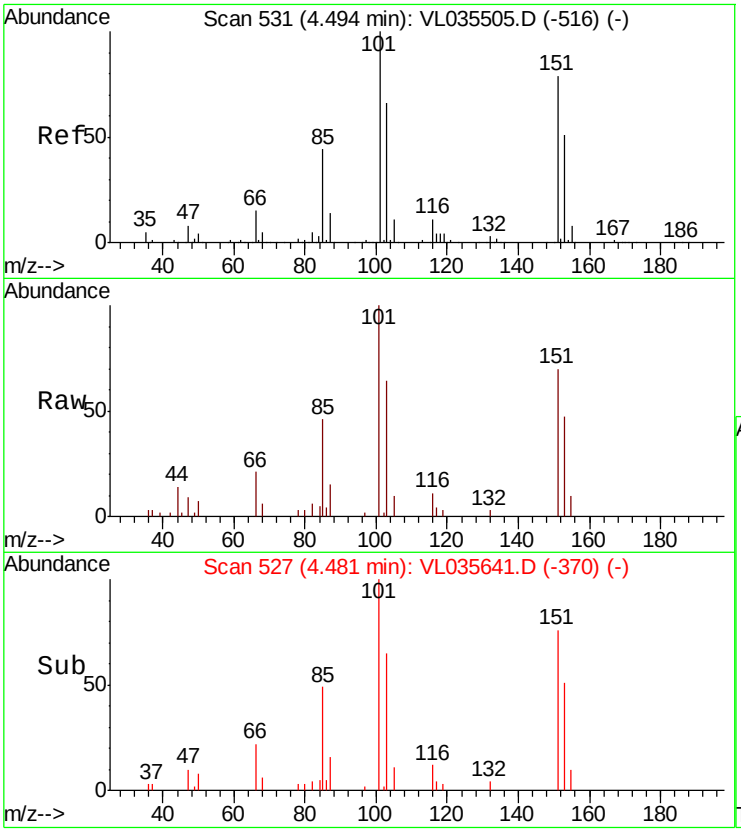


#11
Trichlorofluoromethane
Concen: 0.249 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion:101 Resp: 66192

Ion	Ratio	Lower	Upper
101	100		
103	64.9	54.5	81.7



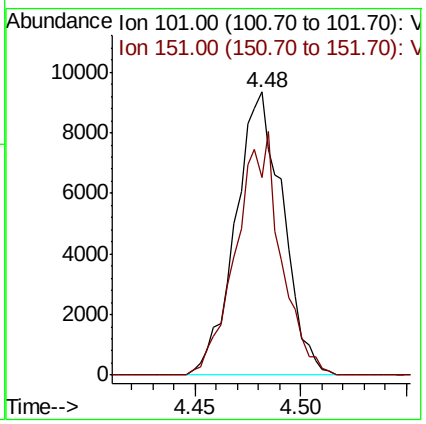


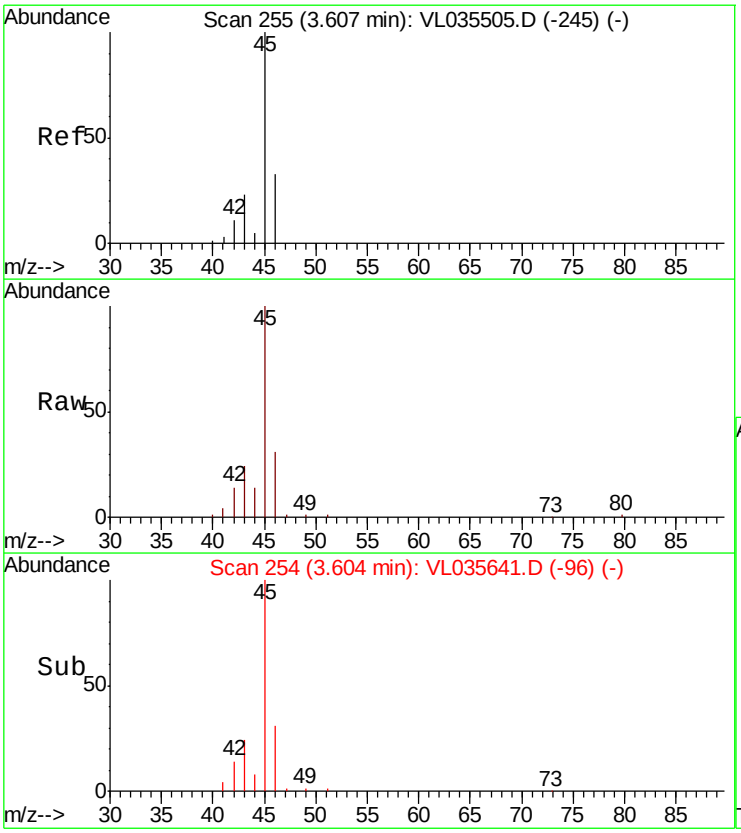
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.073 ppbv
RT: 4.48 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y03

Tgt Ion:101 Resp: 14582

Ion	Ratio	Lower	Upper
101	100		
151	80.8	63.5	95.3

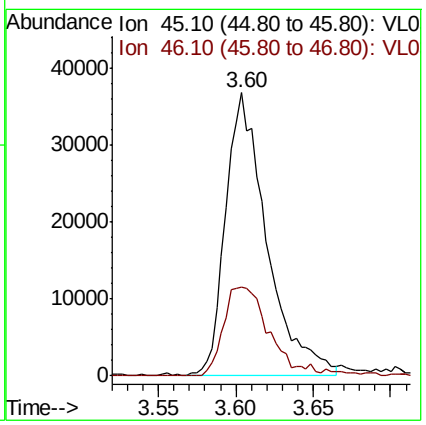


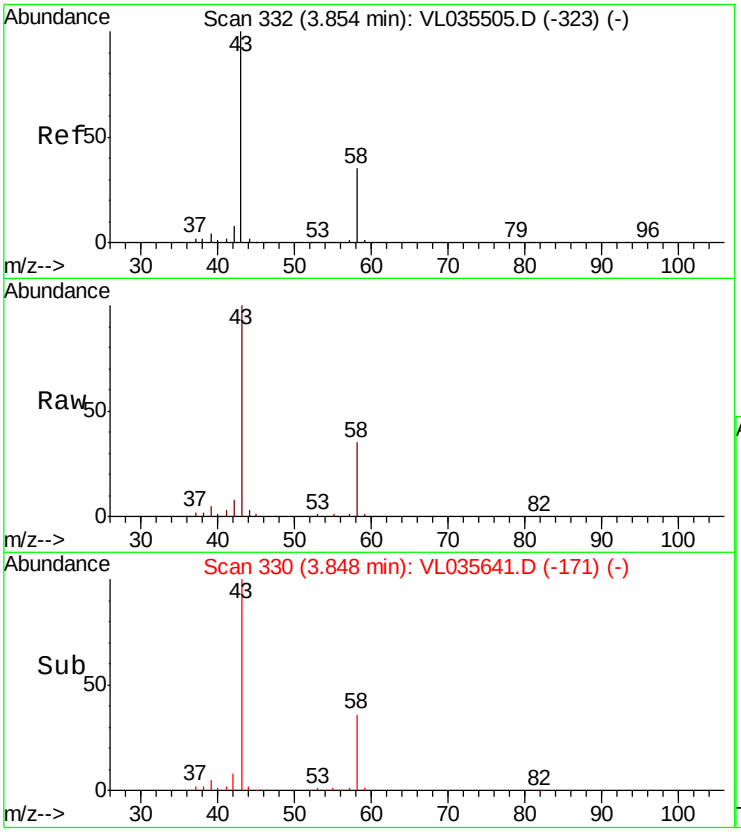


#13
Ethanol
Concen: 6.133 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 45 Resp: 68245

Ion	Ratio	Lower	Upper
45	100		
46	36.1	15.2	60.6



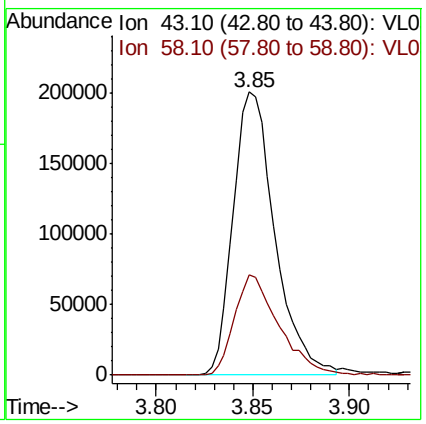


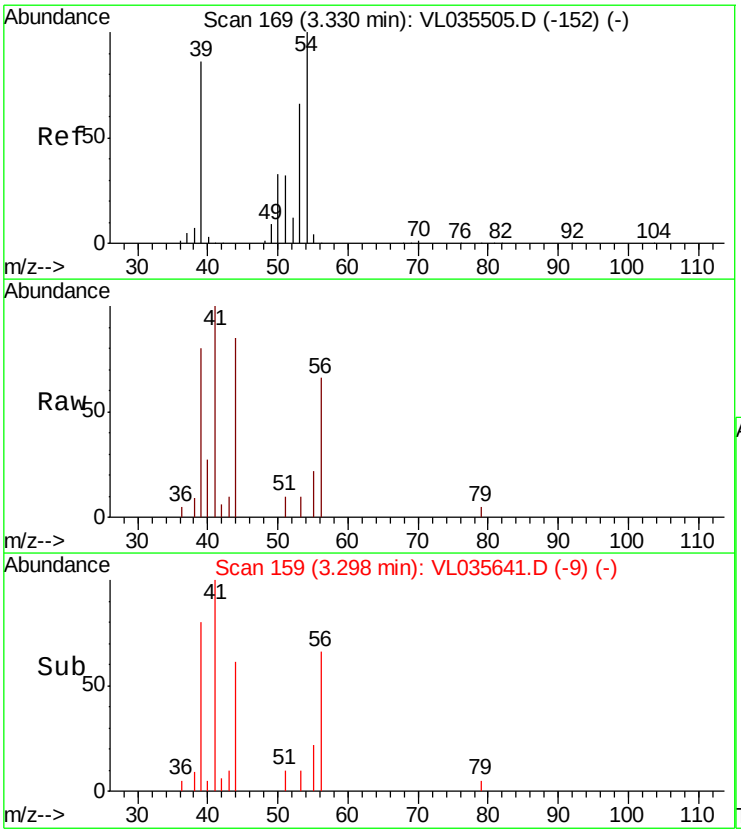
#15
Acetone
Concen: 2.598 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 43 Resp: 301612

Ion	Ratio	Lower	Upper
43	100		
58	38.3	28.4	42.6

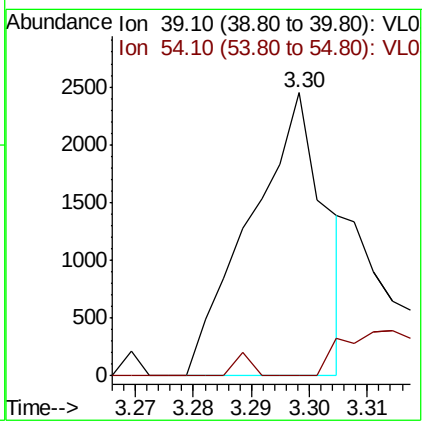


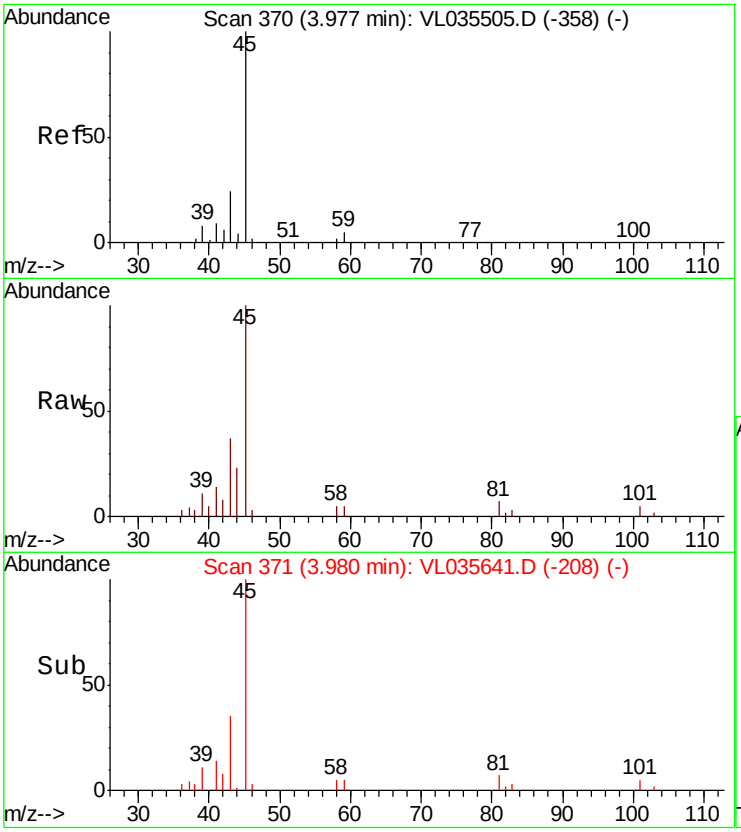


#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.02 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 39 Resp: 2185

Ion	Ratio	Lower	Upper
39	100		
54	21.9	88.4	132.6#



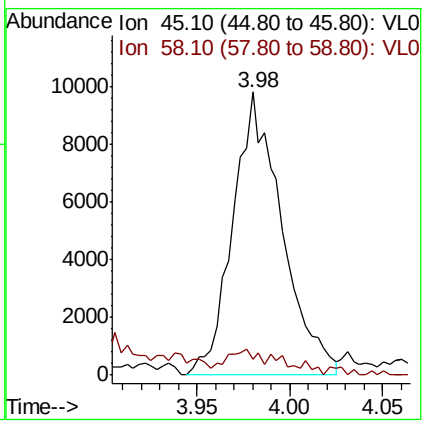


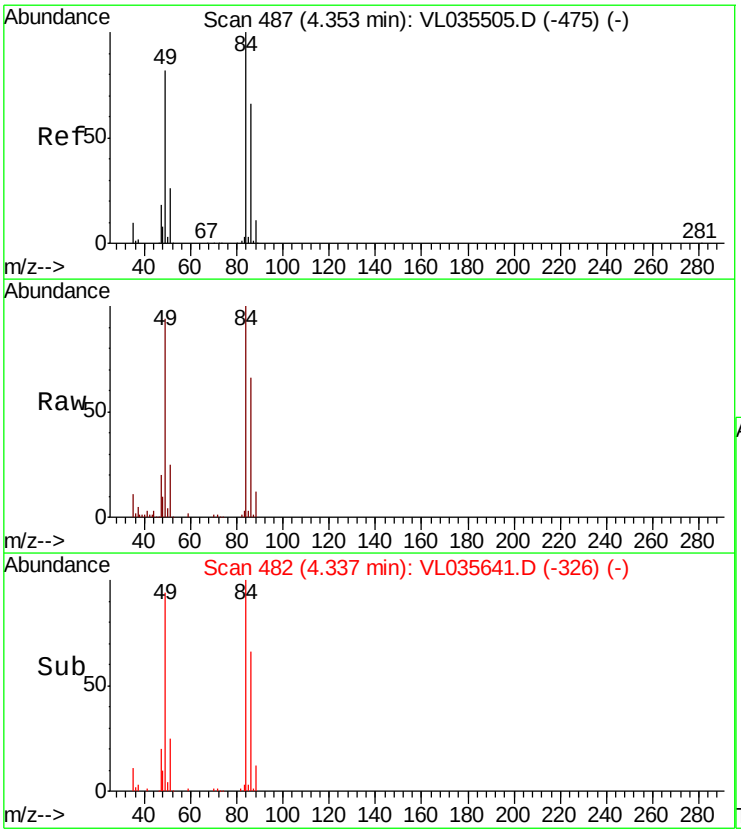
#19
Isopropyl Alcohol
Concen: 0.261 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 45 Resp: 18107

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

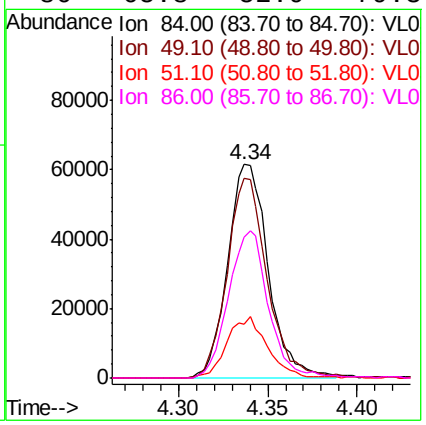


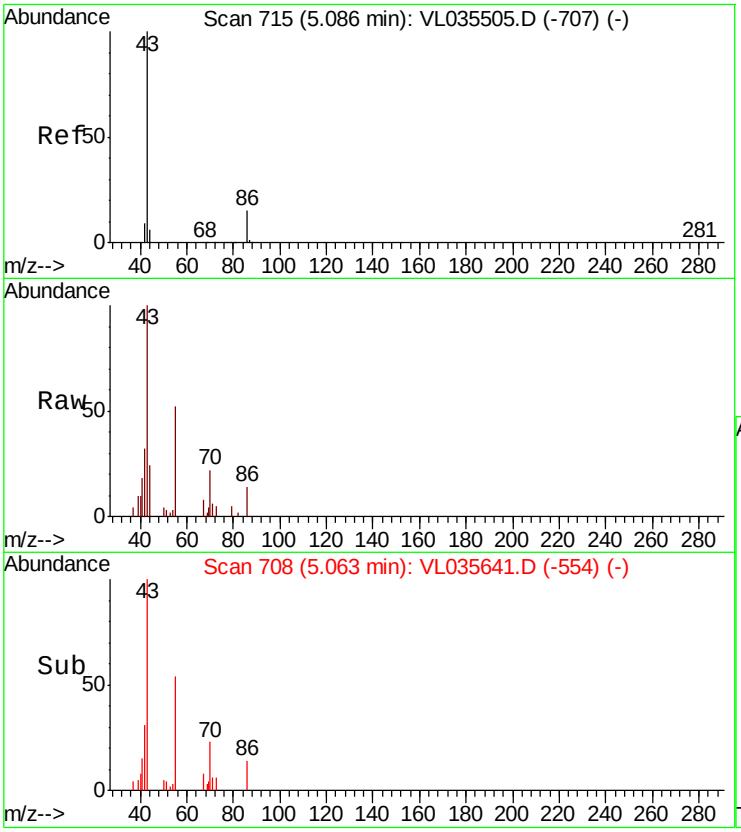


#20
Methylene Chloride
Concen: 1.128 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 84 Resp: 97535

Ion	Ratio	Lower	Upper
84	100		
49	93.7	65.4	98.0
51	25.2	21.5	32.3
86	65.8	52.9	79.3



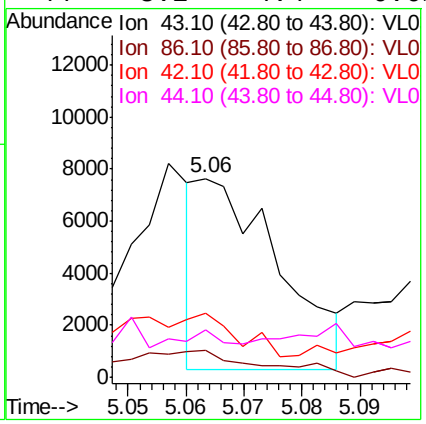


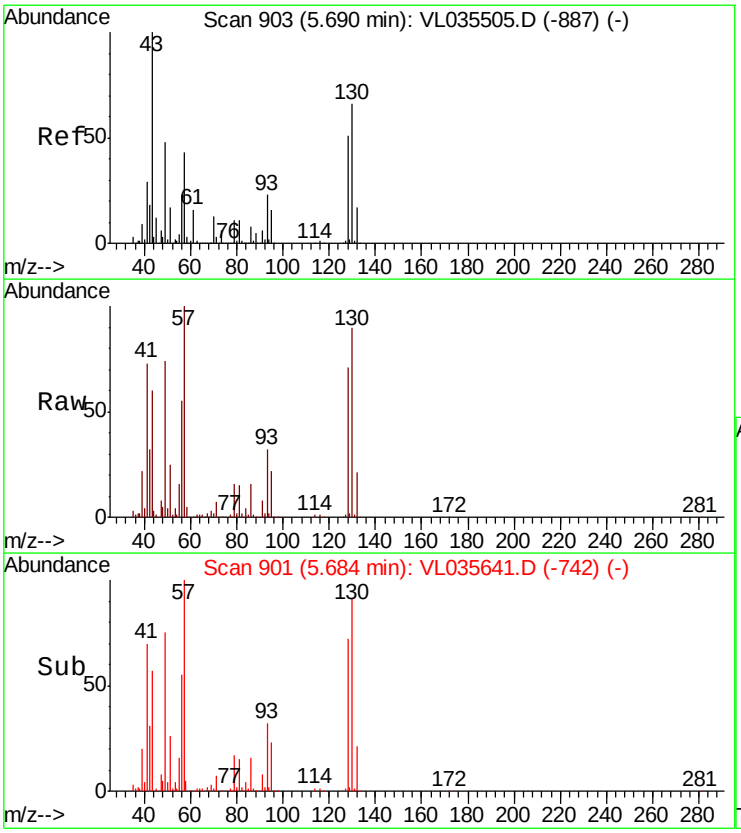
#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 43 Resp: 7118

Ion	Ratio	Lower	Upper
43	100		
86	15.3	10.6	16.0
42	29.7	7.5	11.3#
44	8.2	4.4	6.6#

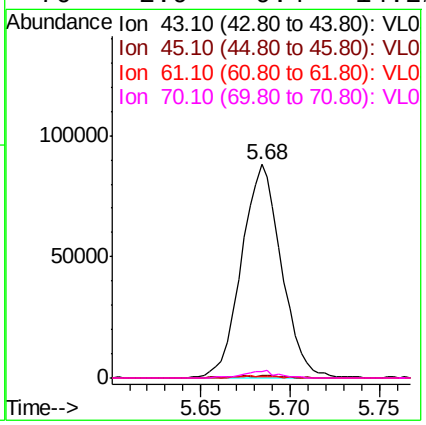


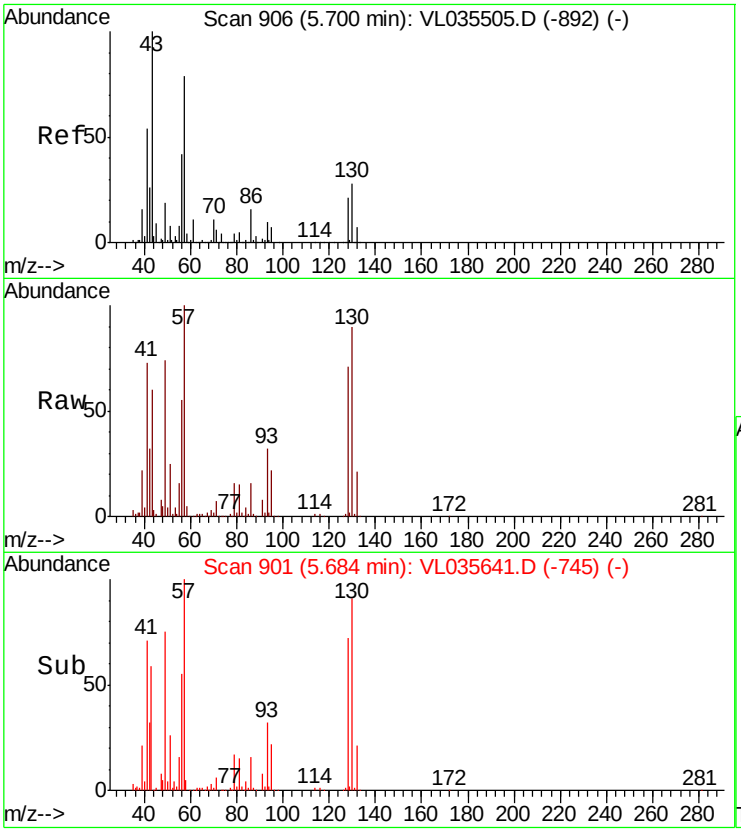


#25
Ethyl Acetate
Concen: 0.671 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 43 Resp: 137590

Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.4	12.6#
61	0.9	10.6	16.0#
70	2.9	9.4	14.2#



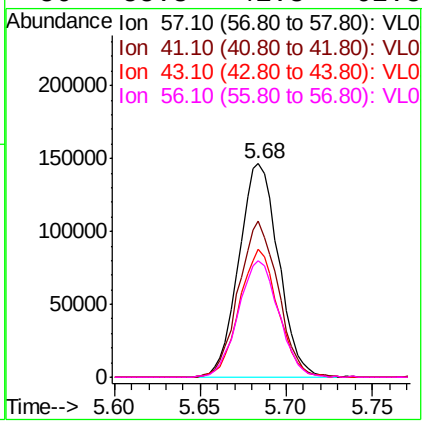


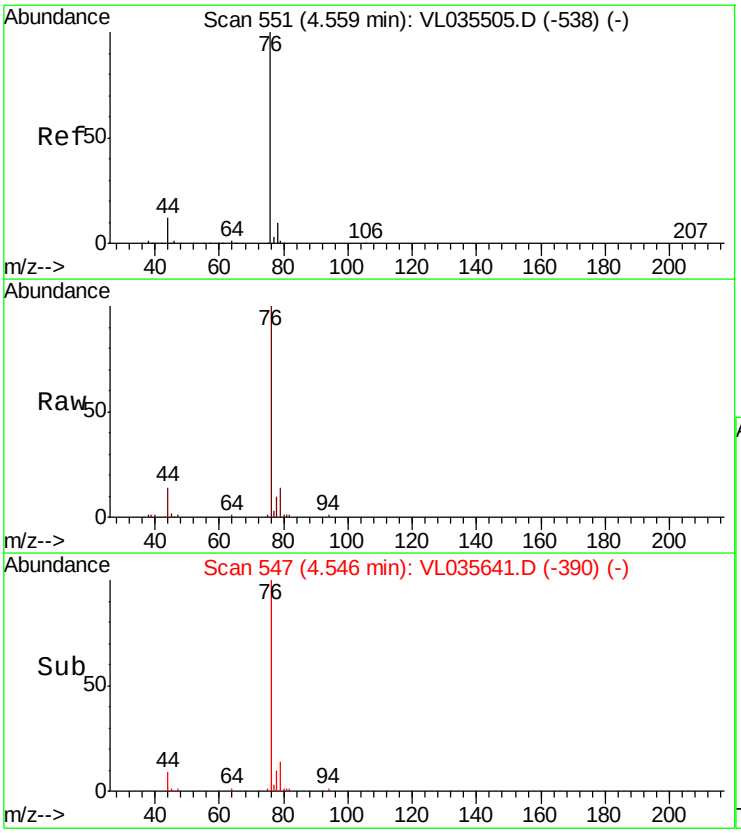
#26
Hexane
Concen: 2.013 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 57 Resp: 233885

Ion	Ratio	Lower	Upper
57	100		
41	73.1	55.9	83.9
43	59.1	141.8	212.8#
56	55.8	41.8	62.8

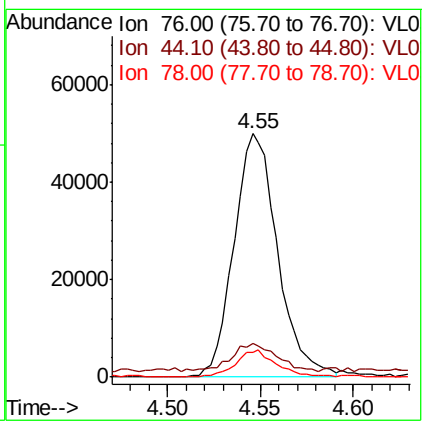


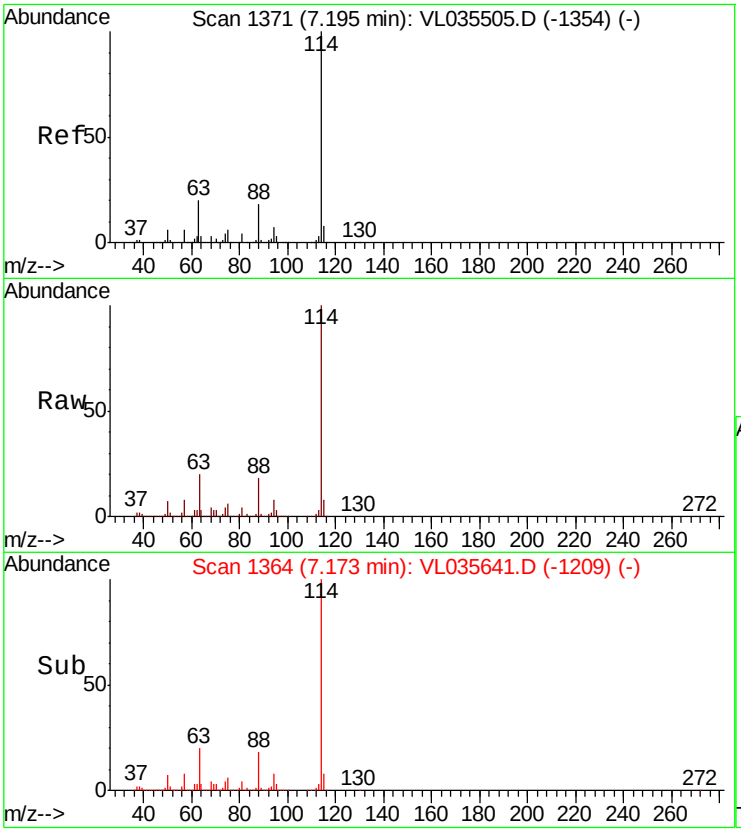


#27
Carbon Disulfide
Concen: 0.489 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 76 Resp: 81499

Ion	Ratio	Lower	Upper
76	100		
44	12.5	9.3	13.9
78	10.8	7.8	11.6



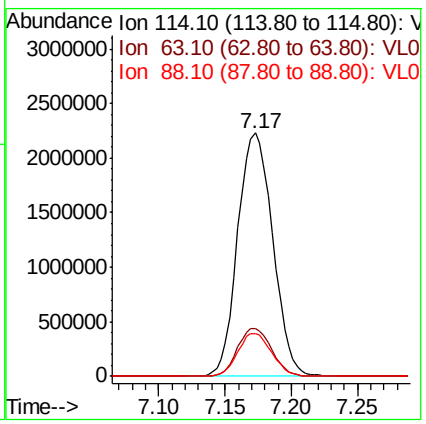


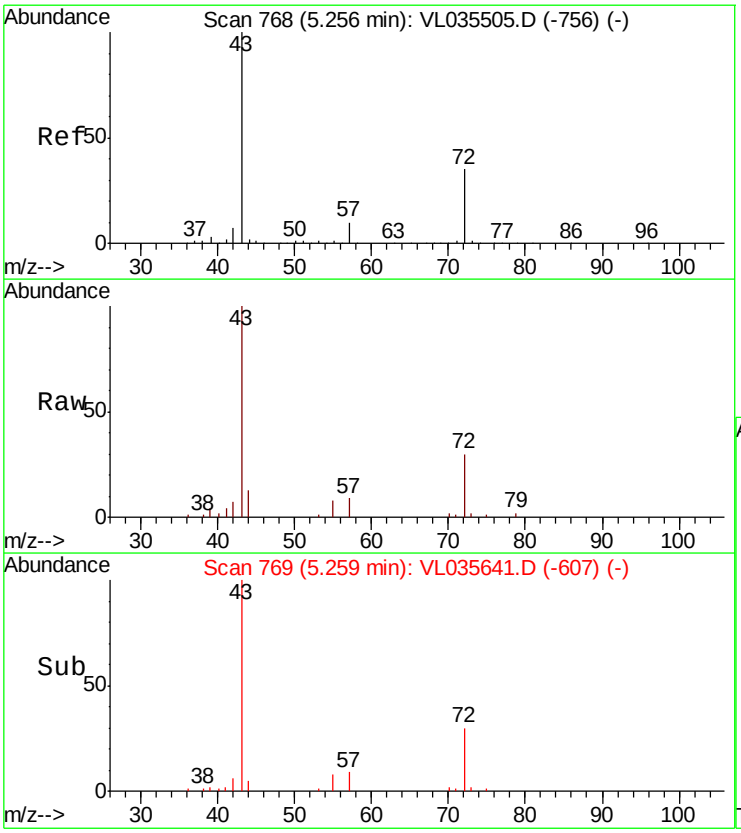
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion:114 Resp: 4119276

Ion	Ratio	Lower	Upper
114	100		
63	19.4	14.7	22.1
88	17.1	13.4	20.2

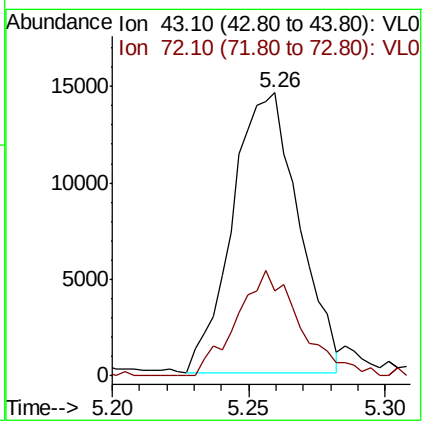


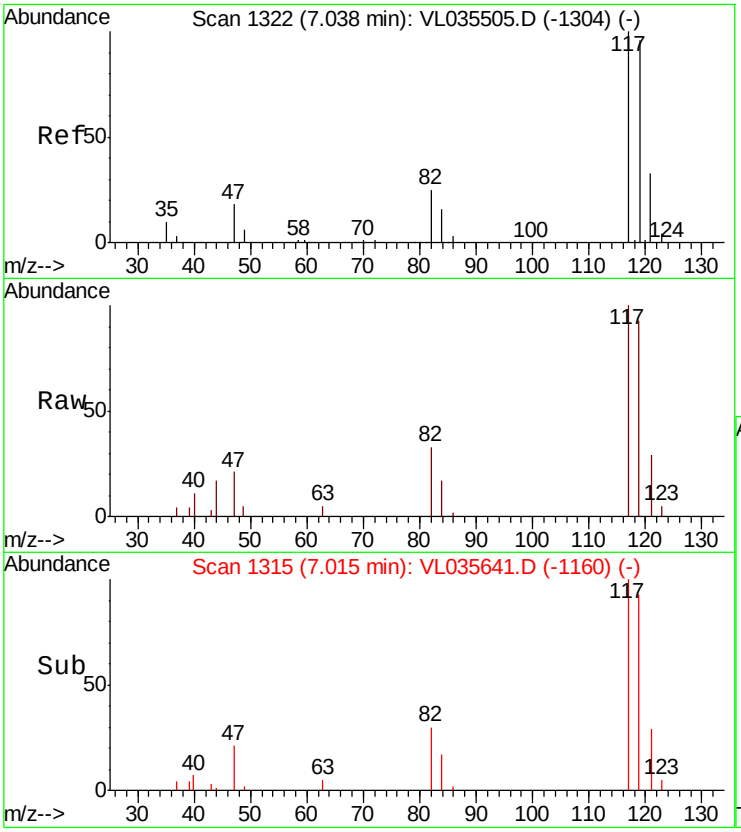


#34
2-Butanone
Concen: 0.200 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.02 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 43 Resp: 24409

Ion	Ratio	Lower	Upper
43	100		
72	36.5	27.7	41.5



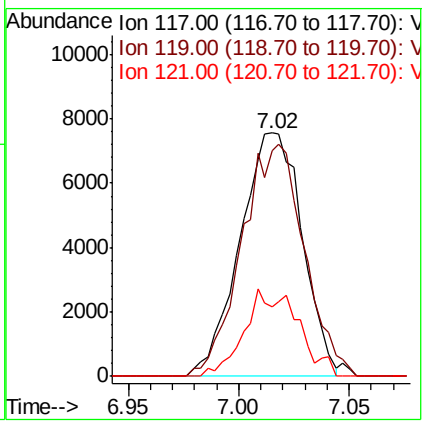


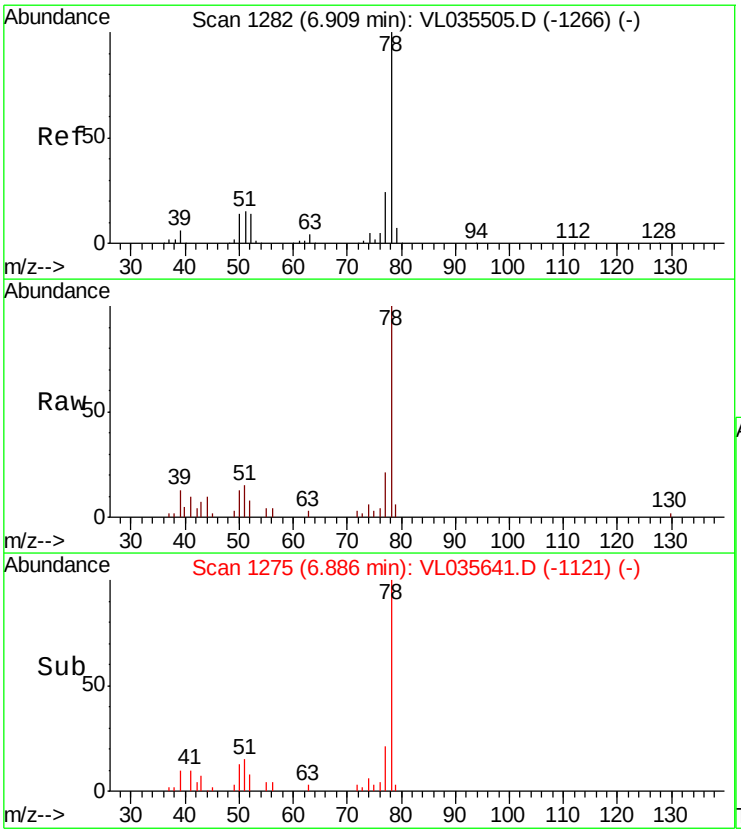
#35
Carbon Tetrachloride
Concen: 0.071 ppbv
RT: 7.02 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion:117 Resp: 14774

Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.2	115.8
121	28.6	26.1	39.1

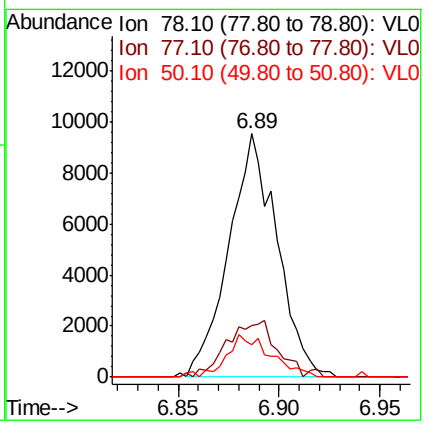


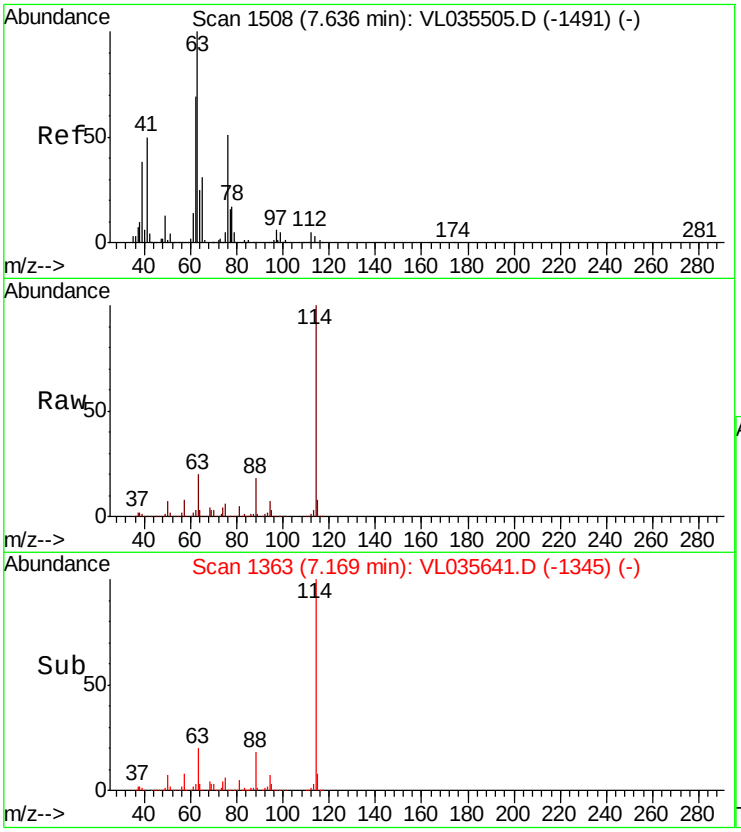


#36
Benzene
Concen: 0.060 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion: 78 Resp: 15916

Ion	Ratio	Lower	Upper
78	100		
77	21.0	19.3	28.9
50	13.4	11.0	16.6



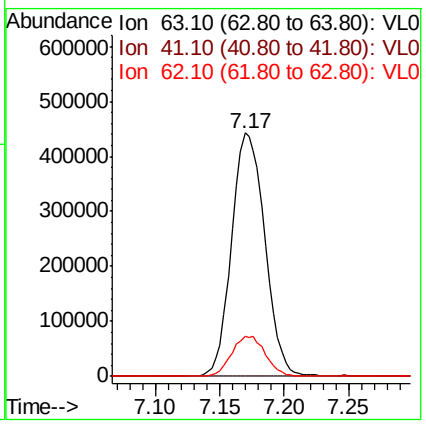


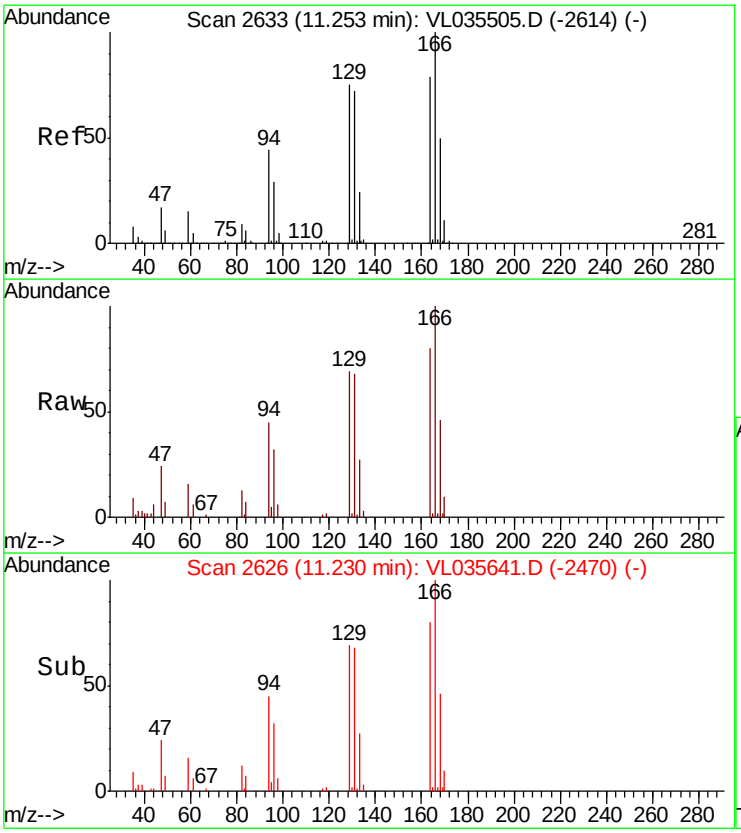
#39
1,2-Dichloropropane
Concen: 8.816 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.44 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 63 Resp: 794087

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.6	55.4	83.0#

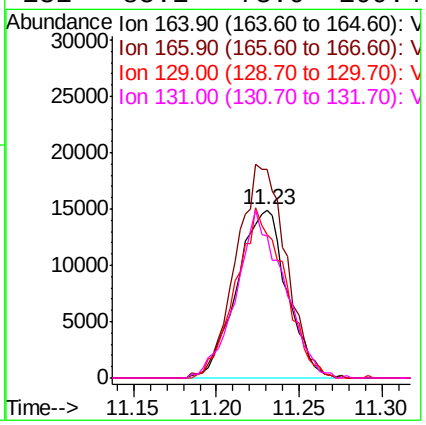


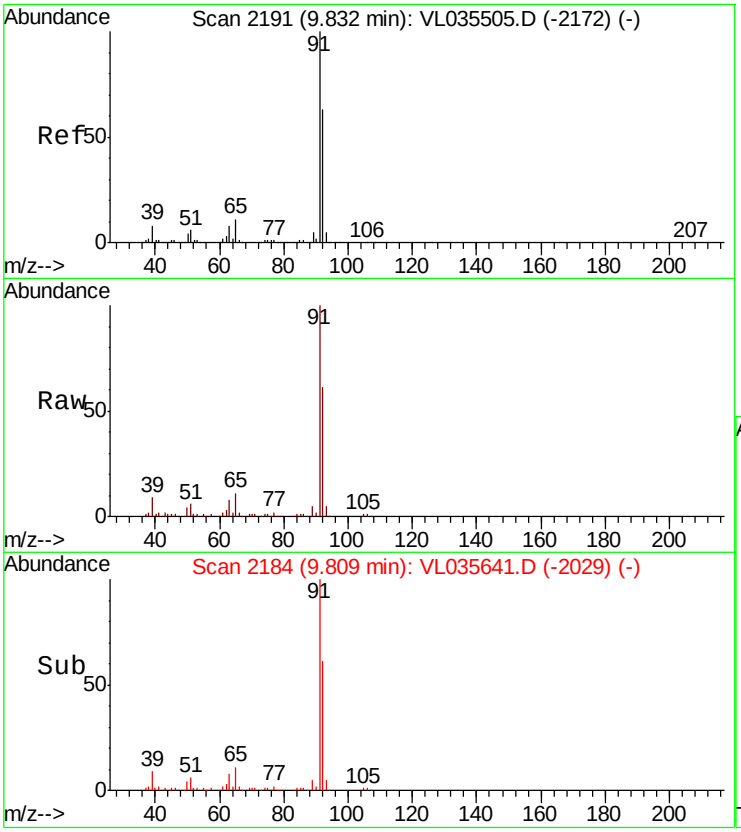


#52
Tetrachloroethene
Concen: 0.201 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion:164 Resp: 31375

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.9	151.3
129	85.8	75.3	112.9
131	85.1	73.0	109.4



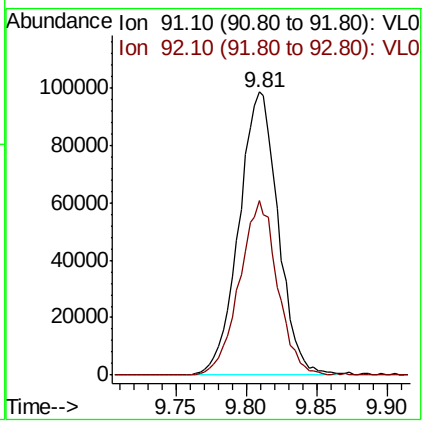


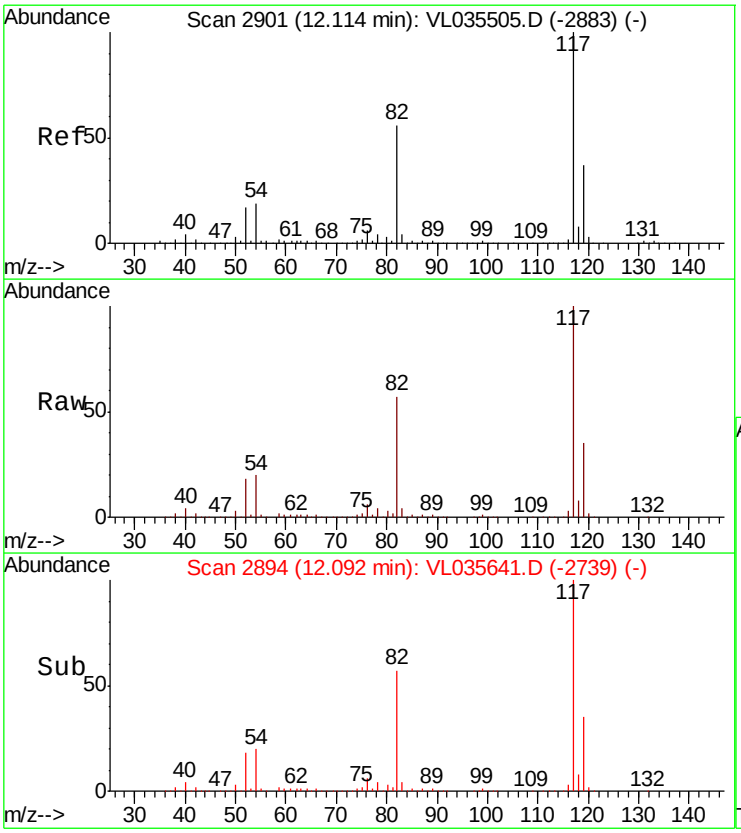
#53
Toluene
Concen: 0.572 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y03

Tgt Ion: 91 Resp: 191824

Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.8	74.8

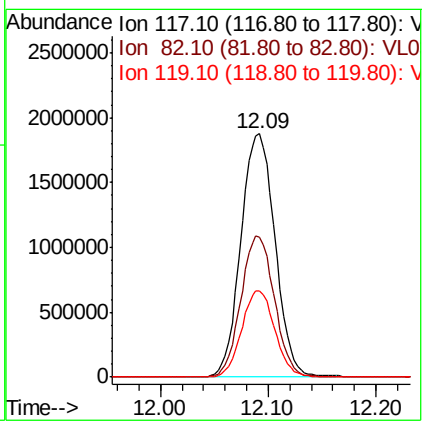


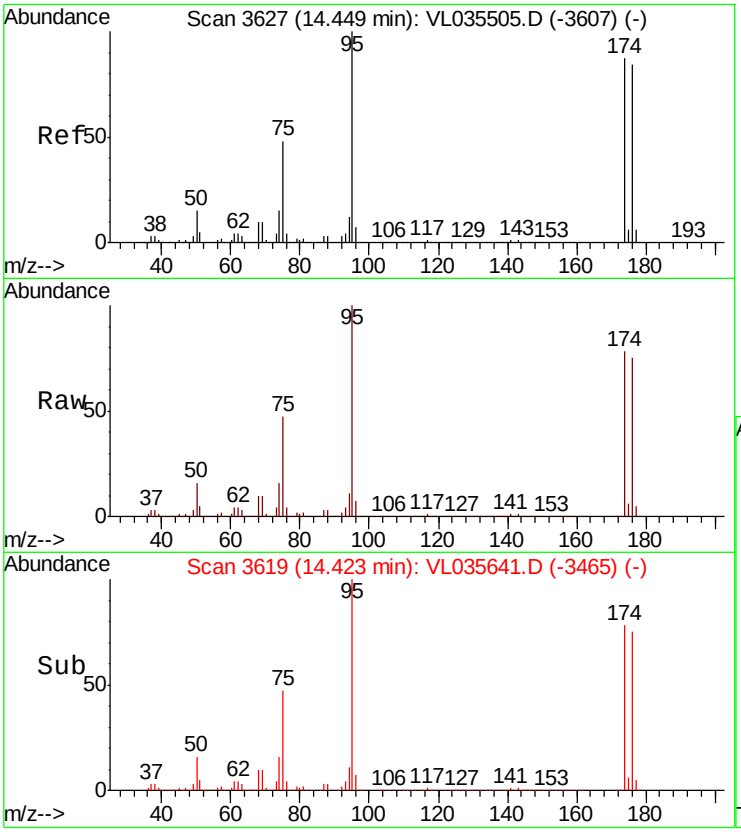


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Tgt Ion:117 Resp: 4136805

Ion	Ratio	Lower	Upper
117	100		
82	57.2	41.6	62.4
119	34.6	29.3	43.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.452 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035641.D
Acq: 16 Sep 2020 23:04

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y03

Tgt Ion: 95 Resp: 3070496

Ion	Ratio	Lower	Upper
95	100		
174	79.1	69.6	104.4
175	5.7	5.1	7.7