Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

Quantitation Report (Not Reviewed)

Data File : VL036144.D
Acq On : 11 Dec 2020 1:26
Operator : SY/AP
Sample : L4948-16DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Quant Time: Dec 11 04:37:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1316791	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2583188	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2365307	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2021946	10.77	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	171164	1.115	ppbv #	84
3) Chlorodifluoromethane	2.98	51	13749	0.092	ppbv	96
8) Dichlorotetrafluoroethane	3.07	85	5686	0.033	ppbv #	17
13) Ethanol	3.59	45	44189	4.259	ppbv #	29
15) Acetone	3.84	43	192450	1.216	ppbv #	89
19) Isopropyl Alcohol	3.97	45	15629	0.162	ppbv #	100
20) Methylene Chloride	4.33	84	13240	0.204	ppbv	95
24) 1,1-Dichloroethane	5.00	63	61488	0.415	ppbv #	92
26) Hexane	5.67	57	5965	0.042	ppbv #	44
32) 1,1,1-Trichloroethane	6.49	97	514298	2.667	ppbv	95
34) 2-Butanone	5.24	43	15310	0.089	ppbv #	80
38) Trichloroethene	7.82	130	139002	1.699	ppbv #	88
39) 1,2-Dichloropropane	7.16	63	843249	9.754	ppbv #	23
52) Tetrachloroethene	11.21	164	1565564	19.755	ppbv	94
58) Ethyl Benzene	12.69	91	11298	0.035	ppbv	91
59) m/p-Xylene	12.98	91	13787	0.050	ppbv #	34

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

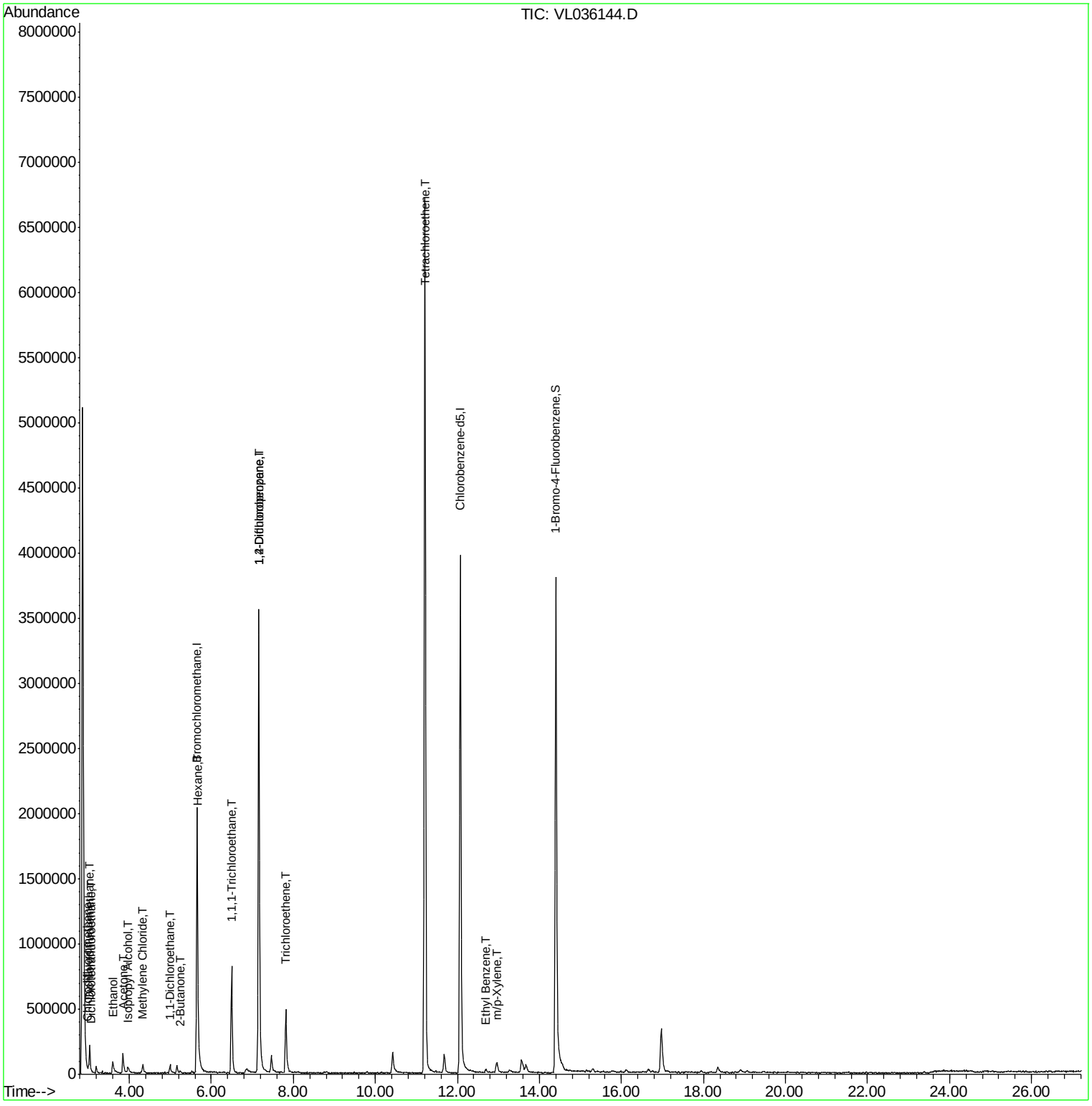
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

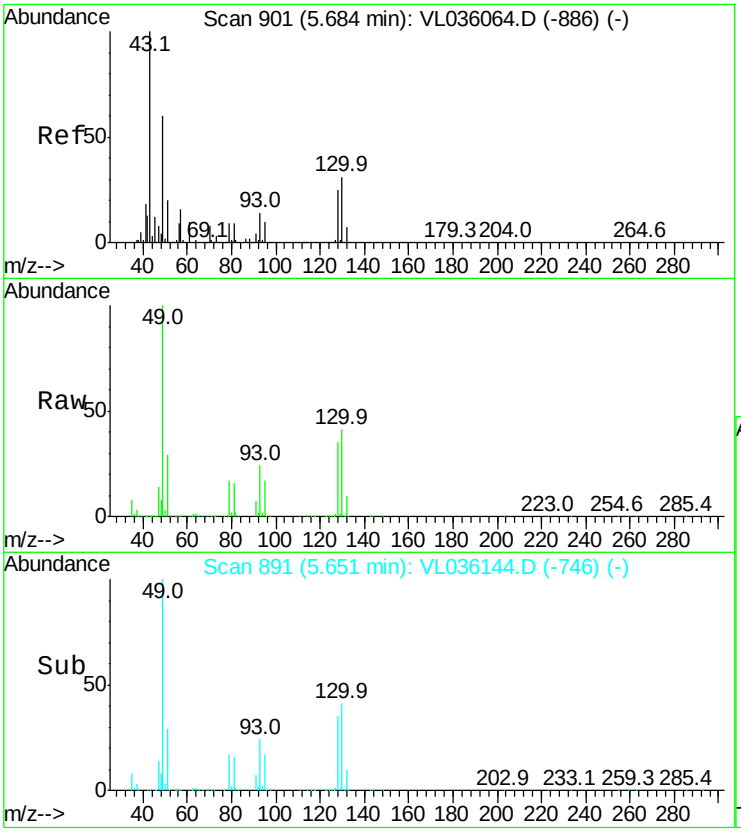
Quantitation Report (Not Reviewed)

Data File : VL036144.D
Acq On : 11 Dec 2020 1:26
Operator : SY/AP
Sample : L4948-16DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Quant Time: Dec 11 04:37:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



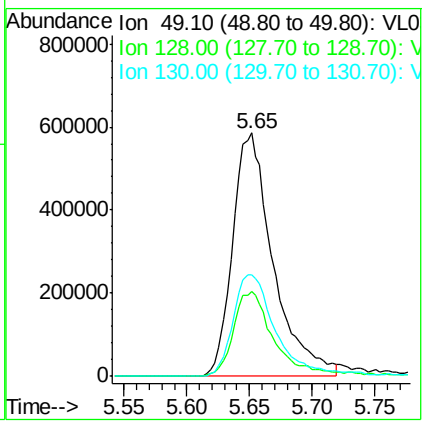


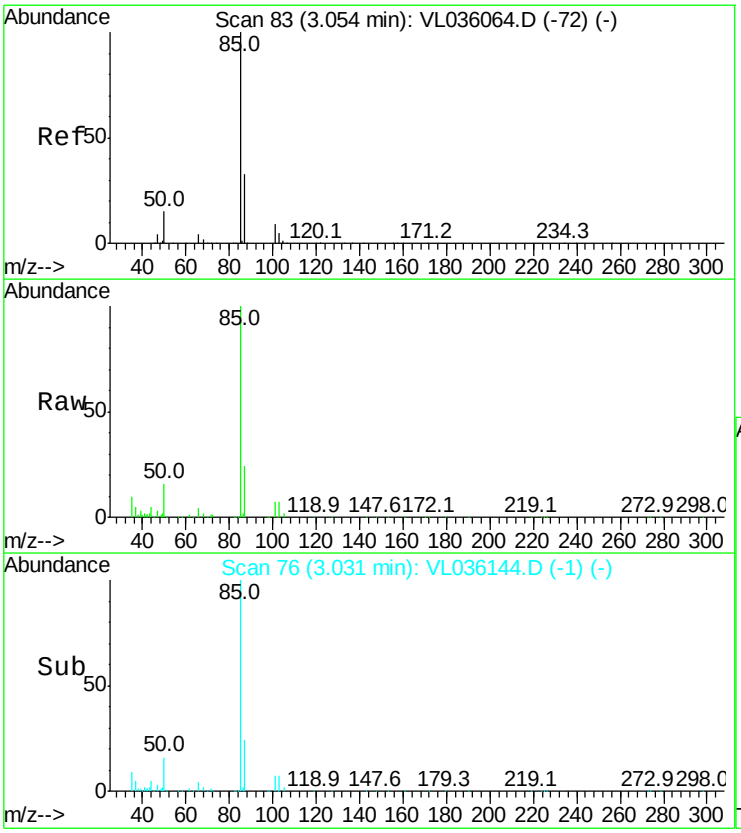
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion: 49 Resp: 1316791

Ion	Ratio	Lower	Upper
49	100		
128	36.3	21.1	63.1
130	45.3	27.1	81.3

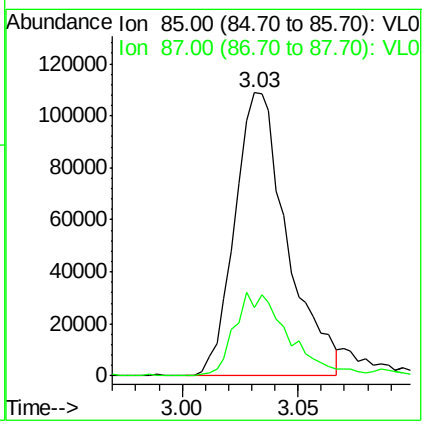


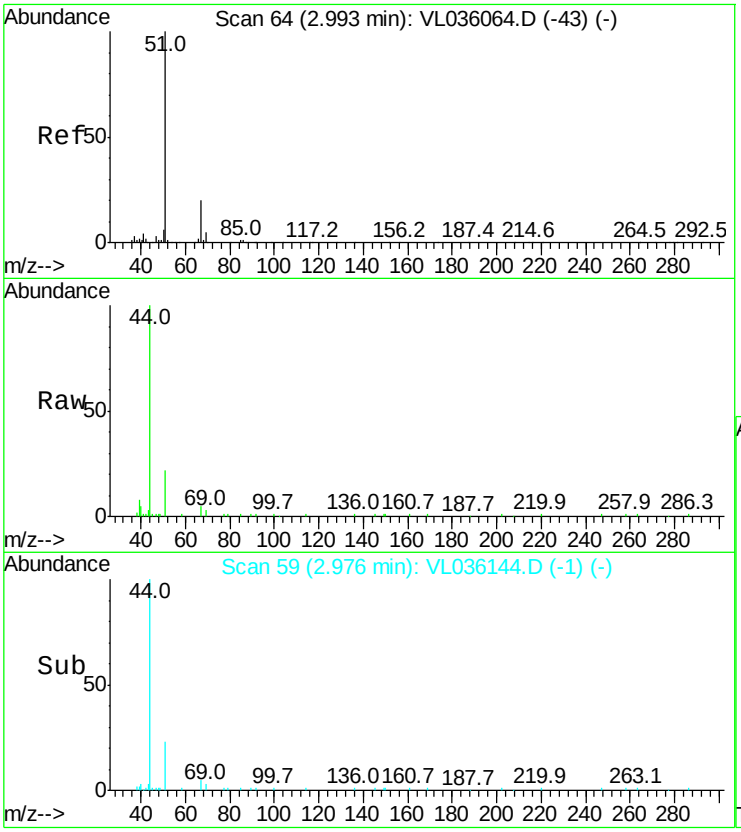


#2
Dichlorodifluoromethane
Concen: 1.115 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 85 Resp: 171164

Ion	Ratio	Lower	Upper
85	100		
87	24.1	26.5	39.7#



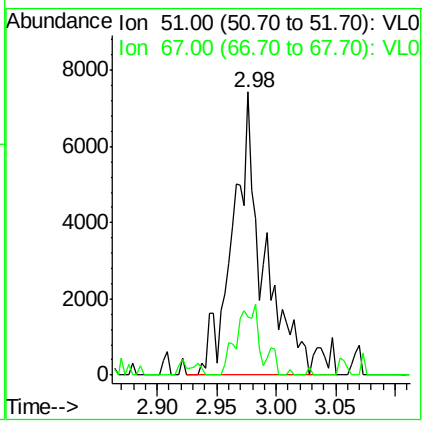


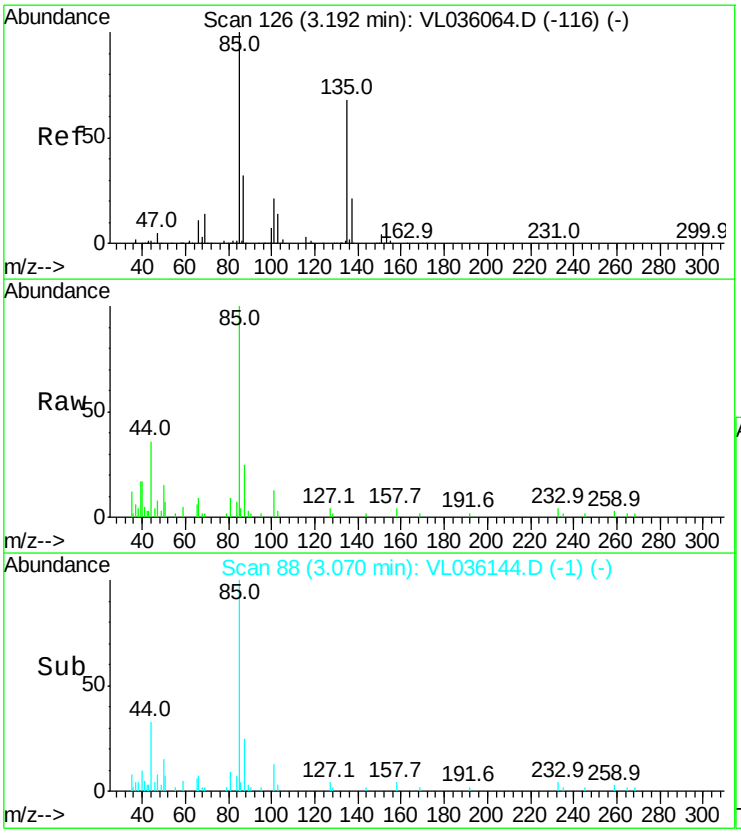
#3
Chlorodifluoromethane
Concen: 0.092 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tgt Ion: 51 Resp: 13749

Ion	Ratio	Lower	Upper
51	100		
67	19.5	14.3	21.5

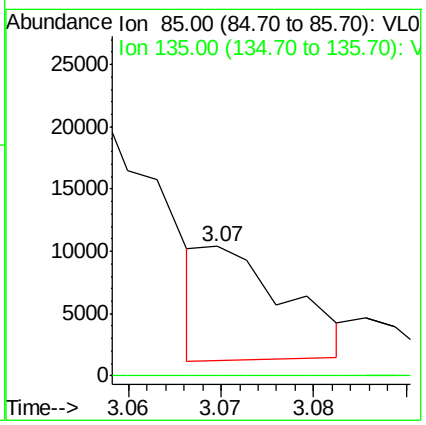


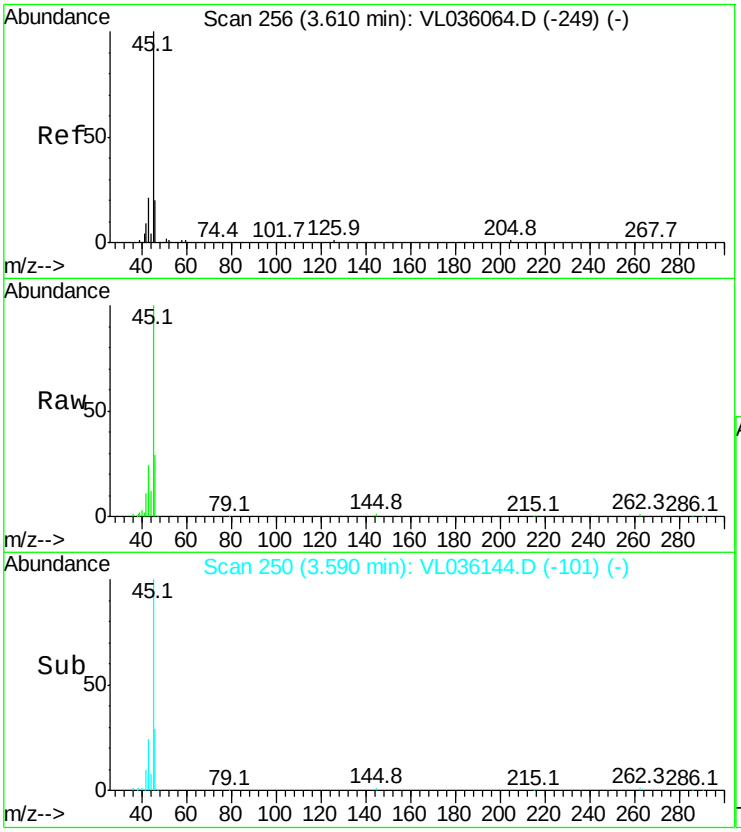


#8
Dichlorotetrafluoroethane
Concen: 0.033 ppbv
RT: 3.07 min Scan# 88
Delta R.T. -0.12 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 85 Resp: 5686

Ion	Ratio	Lower	Upper
85	100		
135	0.6	53.8	80.8#



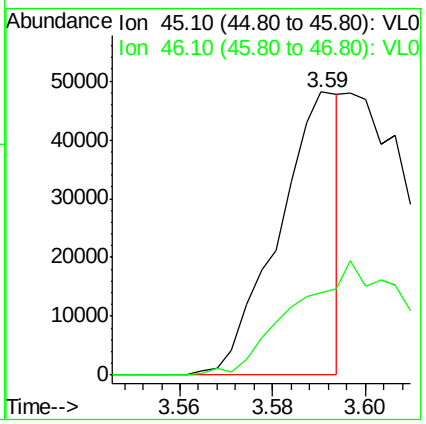


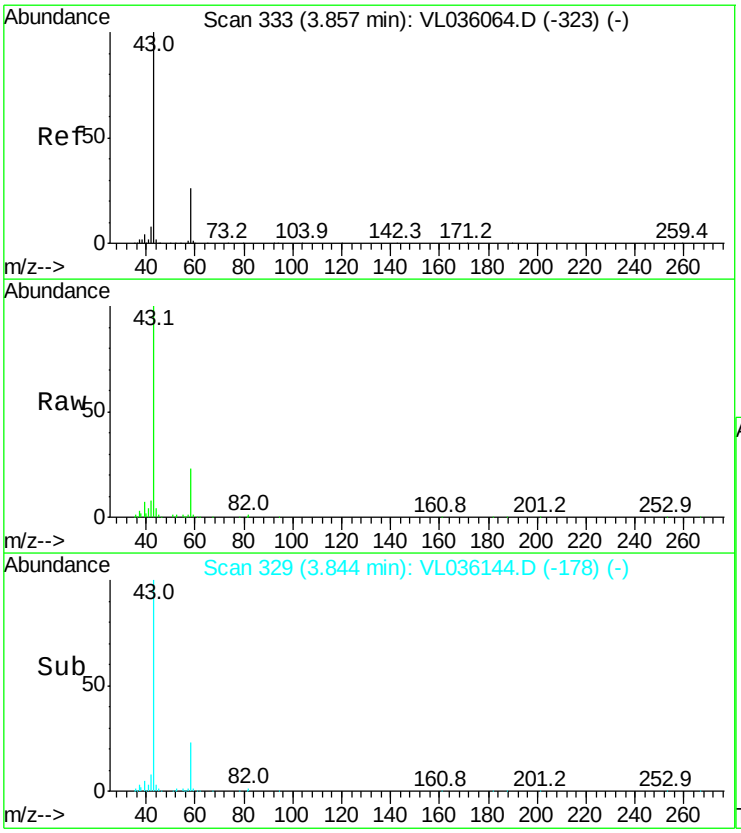
#13
Ethanol
Concen: 4.259 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tgt Ion: 45 Resp: 44189

Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.0	75.8#

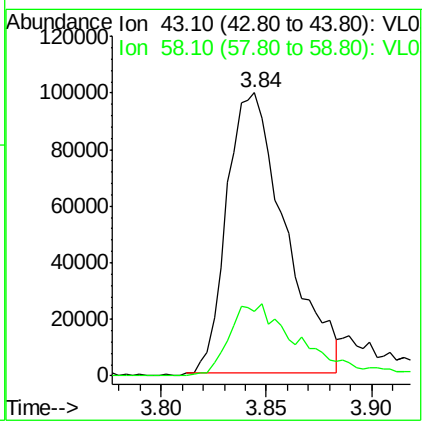


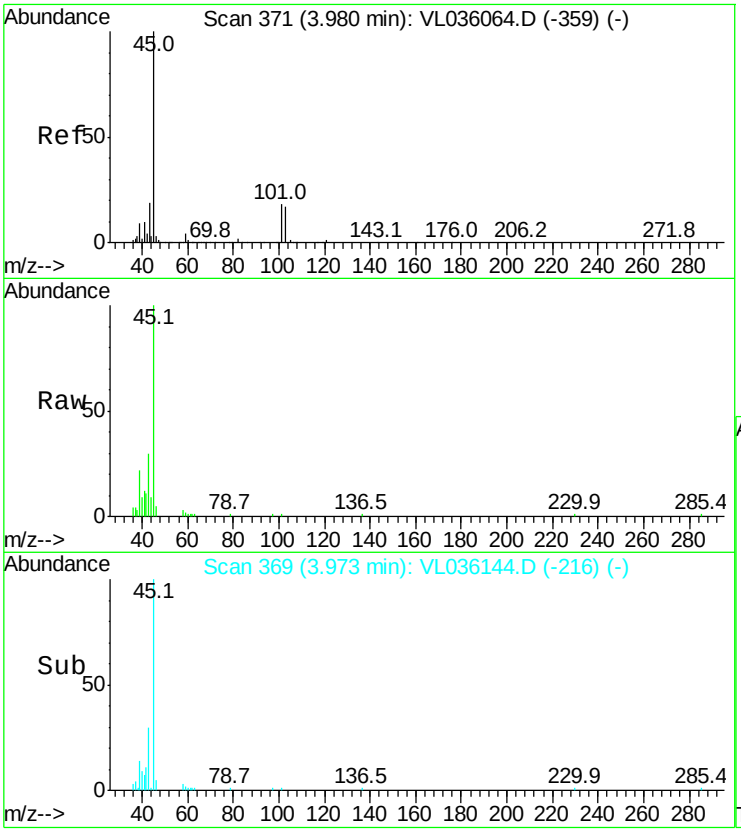


#15
Acetone
Concen: 1.216 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 43 Resp: 192450

Ion	Ratio	Lower	Upper
43	100		
58	31.6	20.9	31.3#



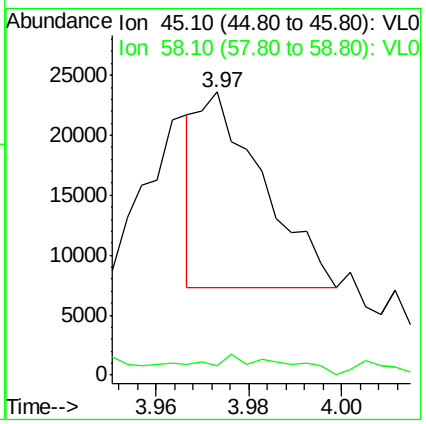


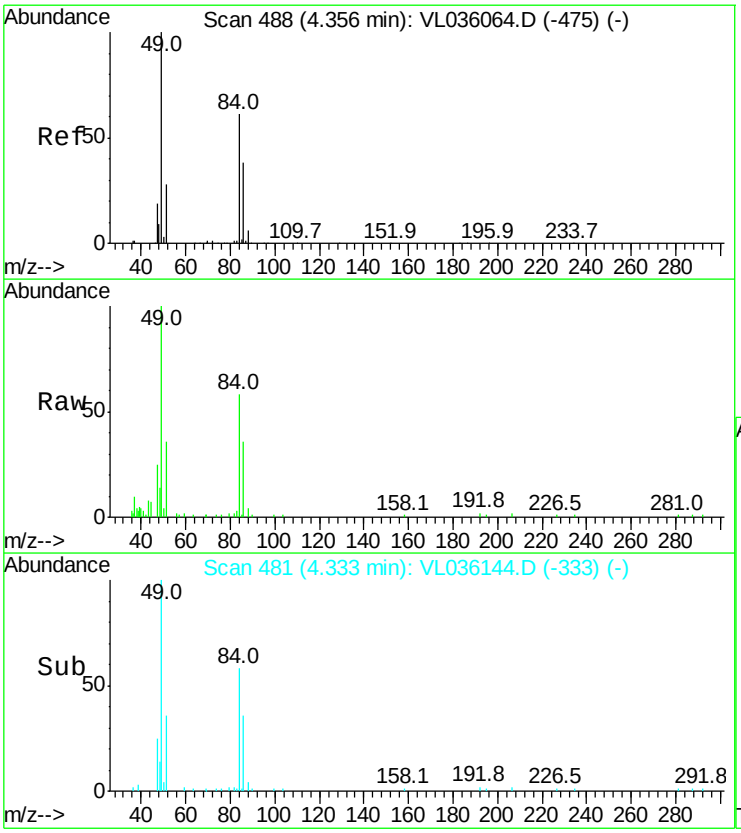
#19
Isopropyl Alcohol
Concen: 0.162 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.01 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tgt Ion: 45 Resp: 15629

Ion	Ratio	Lower	Upper
45	100		
58	22.9	0.0	0.0#

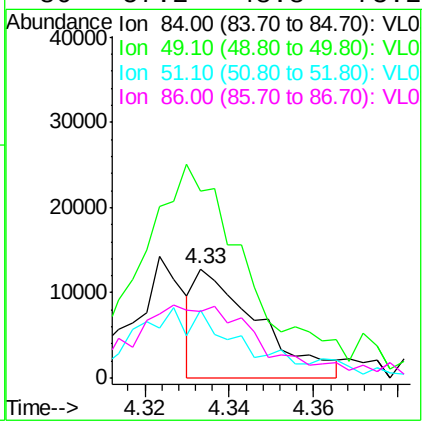


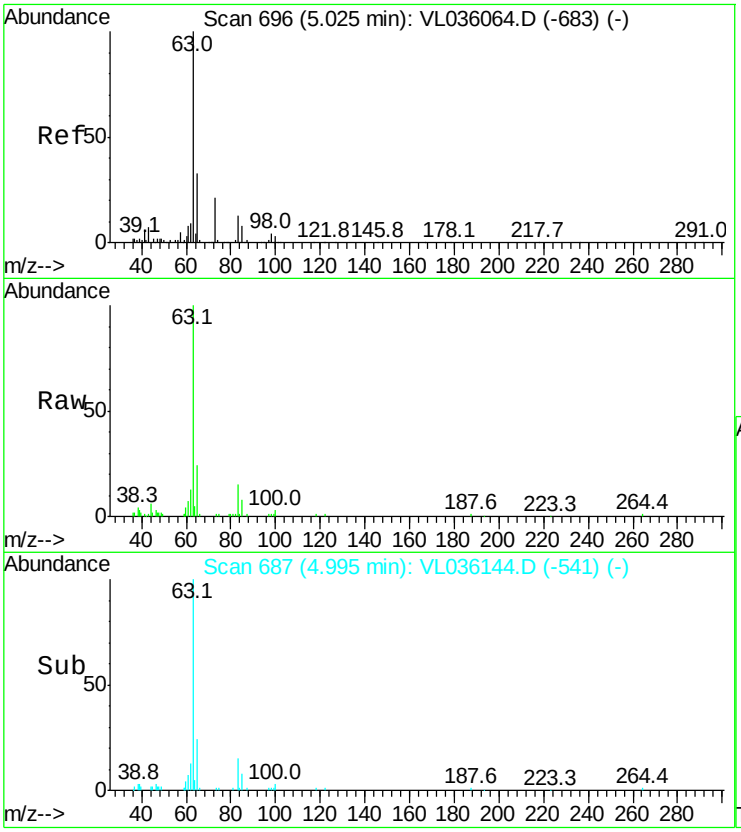


#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 84 Resp: 13240

Ion	Ratio	Lower	Upper
84	100		
49	160.6	133.0	199.4
51	54.8	38.9	58.3
86	57.2	48.8	73.2



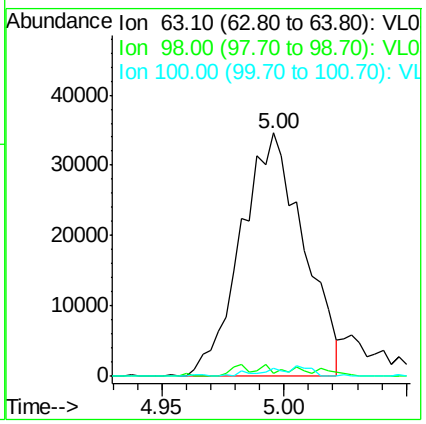


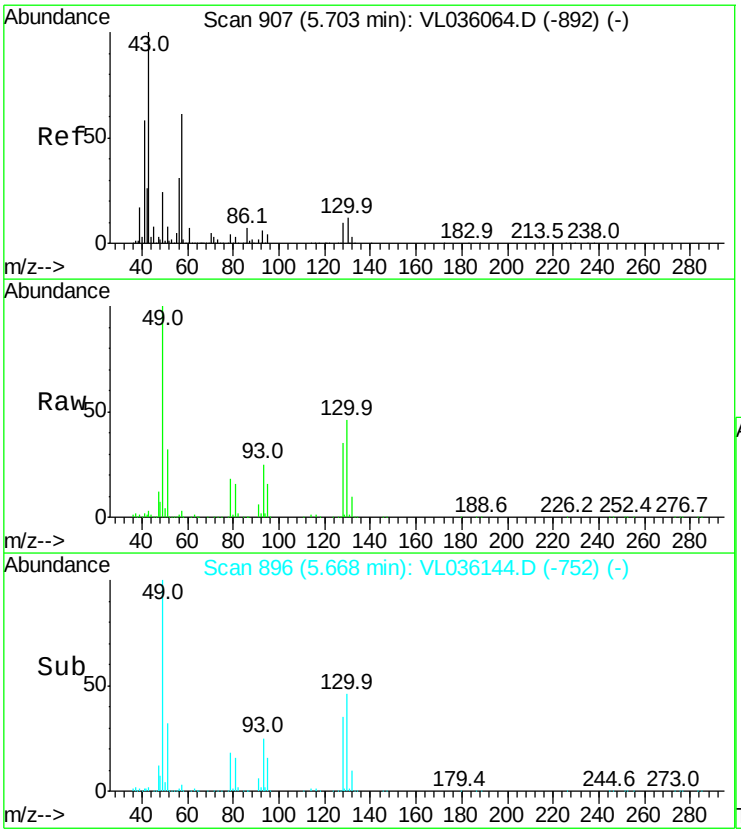
#24
1,1-Dichloroethane
Concen: 0.415 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.03 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion: 63 Resp: 61488

Ion	Ratio	Lower	Upper
63	100		
98	0.2	2.2	6.6#
100	3.2	1.5	4.4

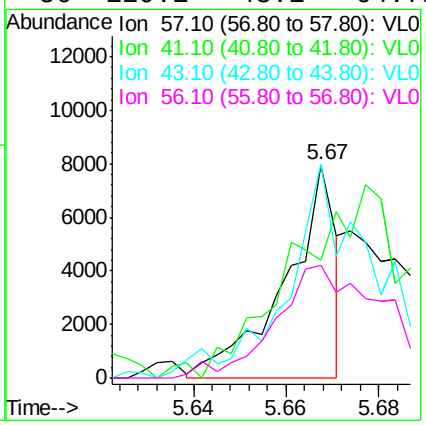


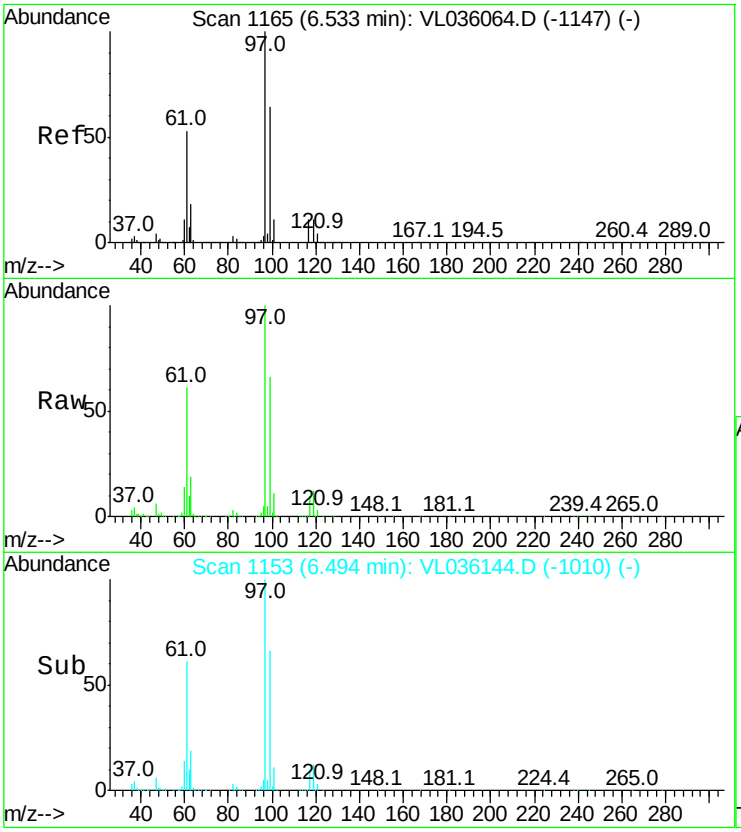


#26
Hexane
Concen: 0.042 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 57 Resp: 5965

Ion	Ratio	Lower	Upper
57	100		
41	0.0	82.9	124.3#
43	202.8	199.9	299.9
56	129.1	43.1	64.7#



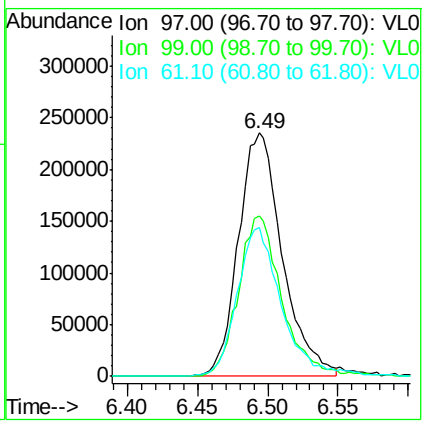


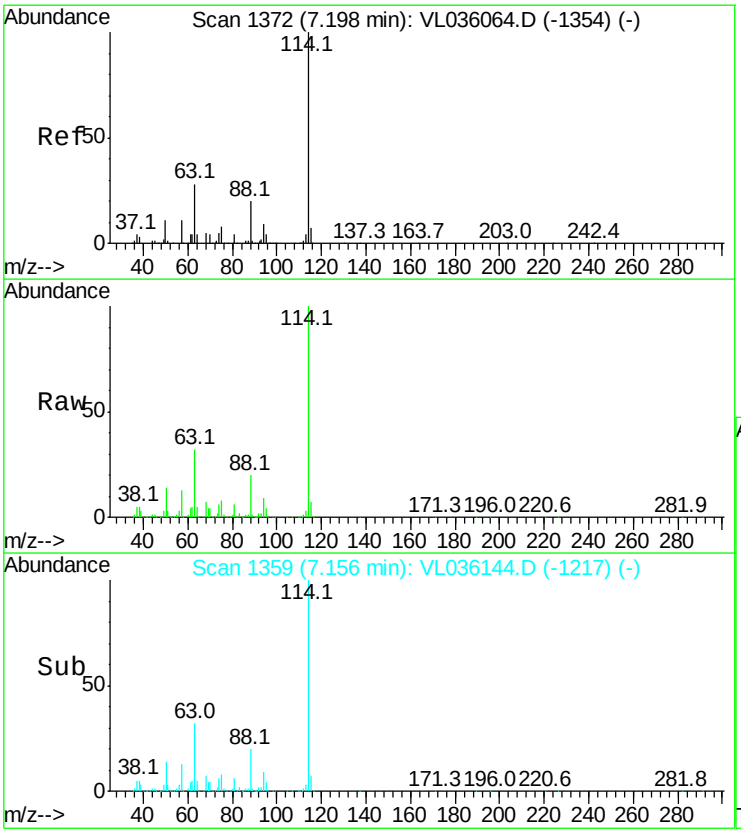
#32
1,1,1-Trichloroethane
Concen: 2.667 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion: 97 Resp: 514298

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.4	78.6
61	62.0	43.4	65.0

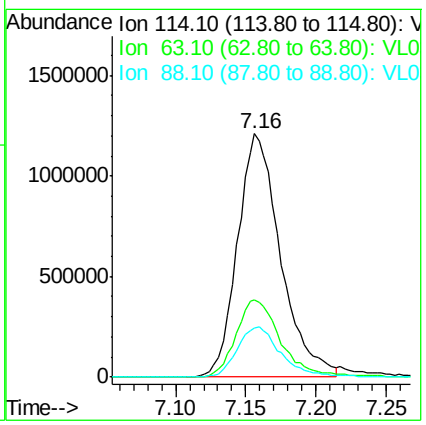


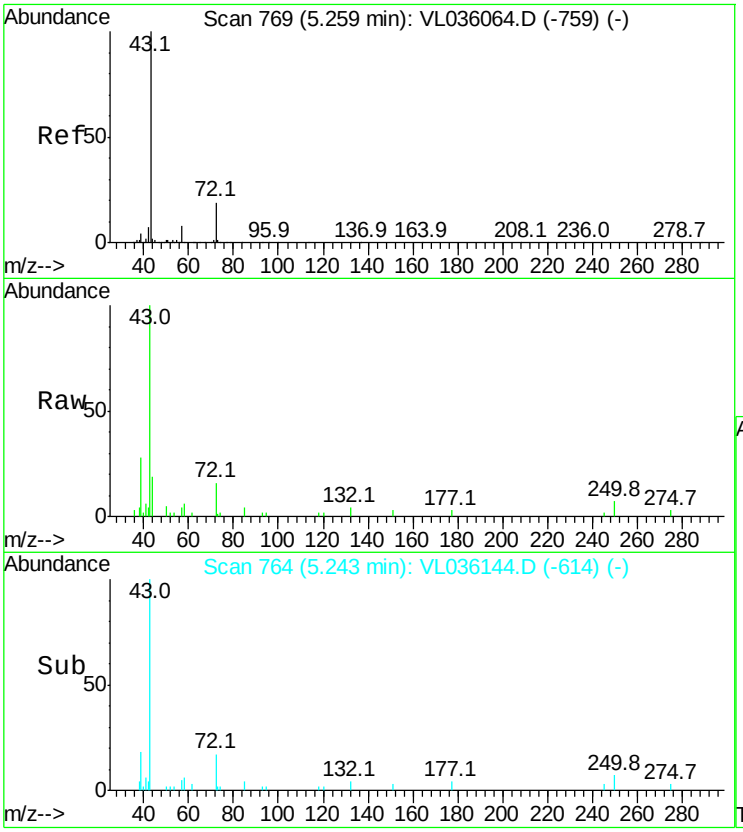


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion:114 Resp: 2583188

Ion	Ratio	Lower	Upper
114	100		
63	33.3	23.6	35.4
88	21.2	15.8	23.6



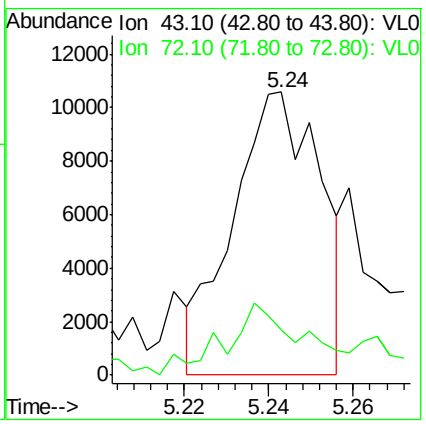


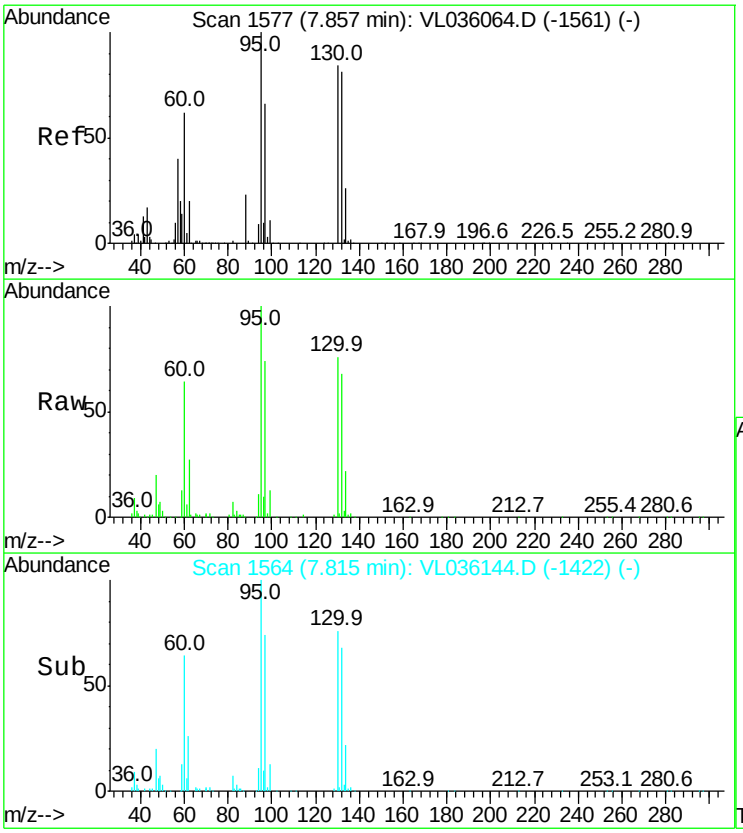
#34
2-Butanone
Concen: 0.089 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.02 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument :
MSVOA_L
ClientSampleId :
SS-4BDL

Tgt Ion: 43 Resp: 15310

Ion	Ratio	Lower	Upper
43	100		
72	30.0	16.5	24.7#

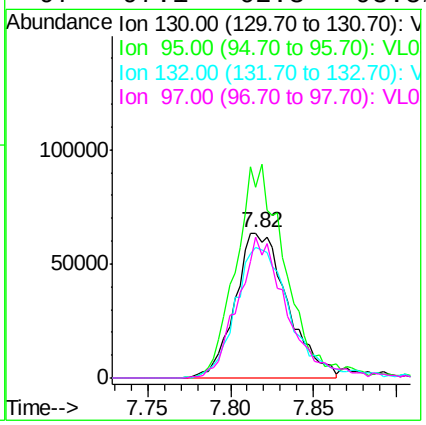


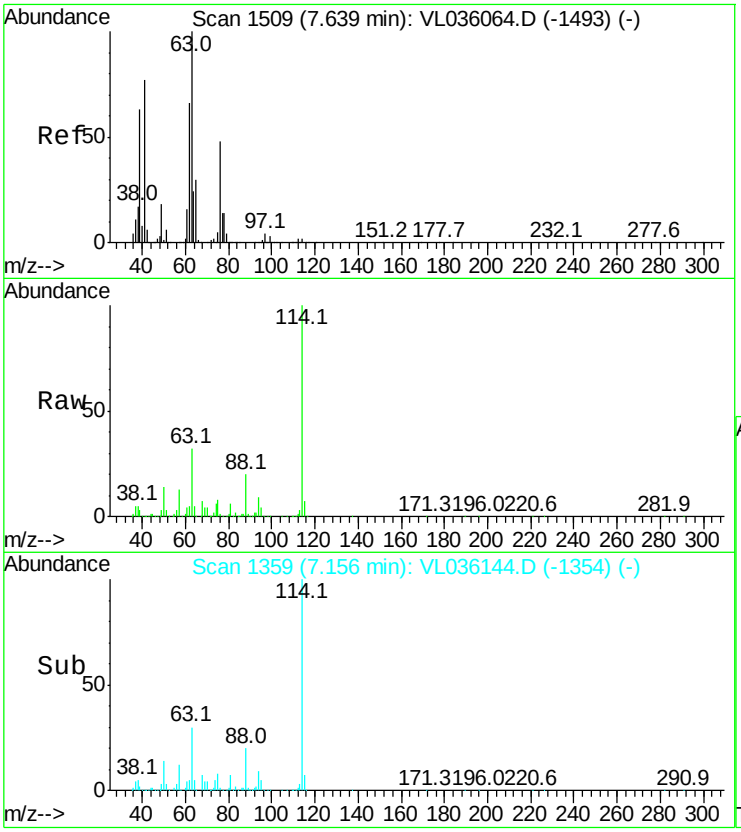


#38
Trichloroethene
Concen: 1.699 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion:130 Resp: 139002

Ion	Ratio	Lower	Upper
130	100		
95	130.4	95.2	142.8
132	89.2	76.9	115.3
97	97.1	62.3	93.5#



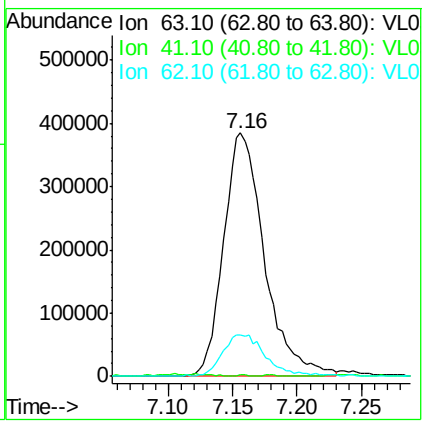


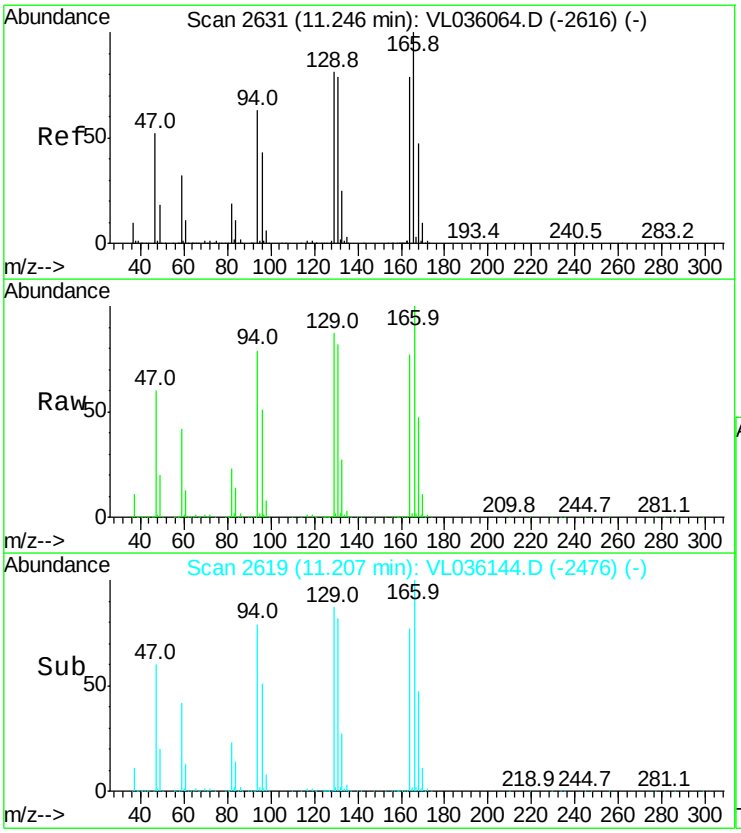
#39
1,2-Dichloropropane
Concen: 9.754 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.48 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion: 63 Resp: 843249

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.9	92.9#
62	16.7	52.5	78.7#

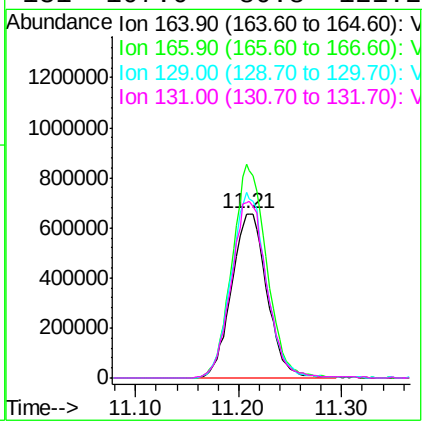


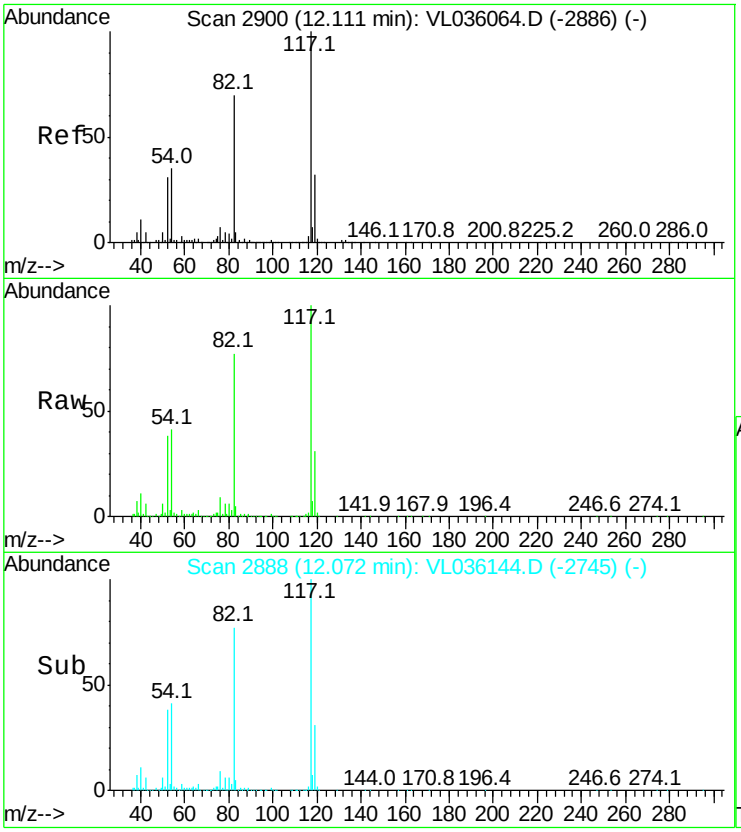


#52
Tetrachloroethene
Concen: 19.755 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion:164 Resp: 1565564

Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.9	152.9
129	112.7	82.1	123.1
131	107.0	80.8	121.2



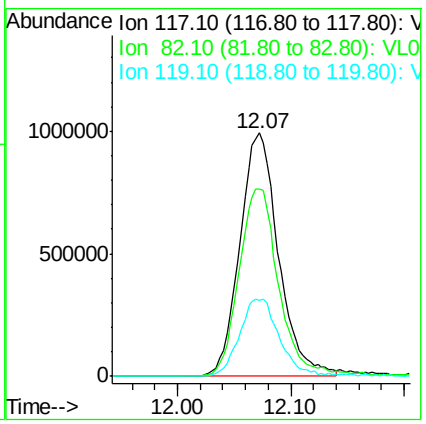


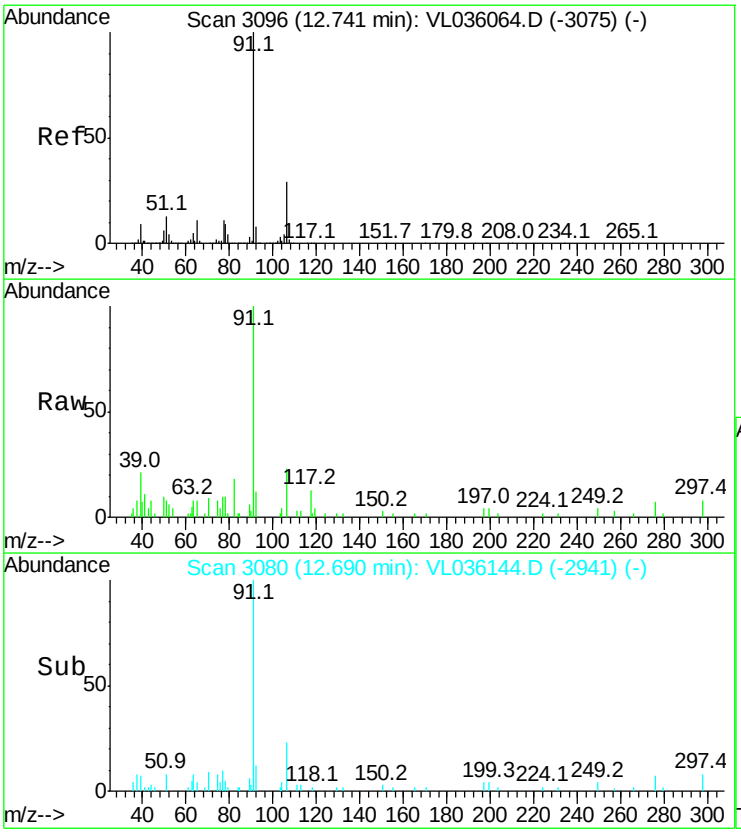
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion:117 Resp: 2365307

Ion	Ratio	Lower	Upper
117	100		
82	80.7	0.0	0.0#
119	33.2	0.0	0.0#

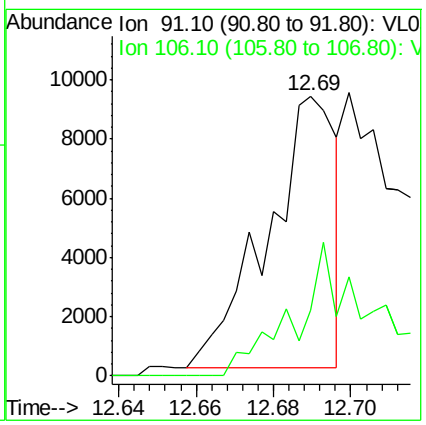


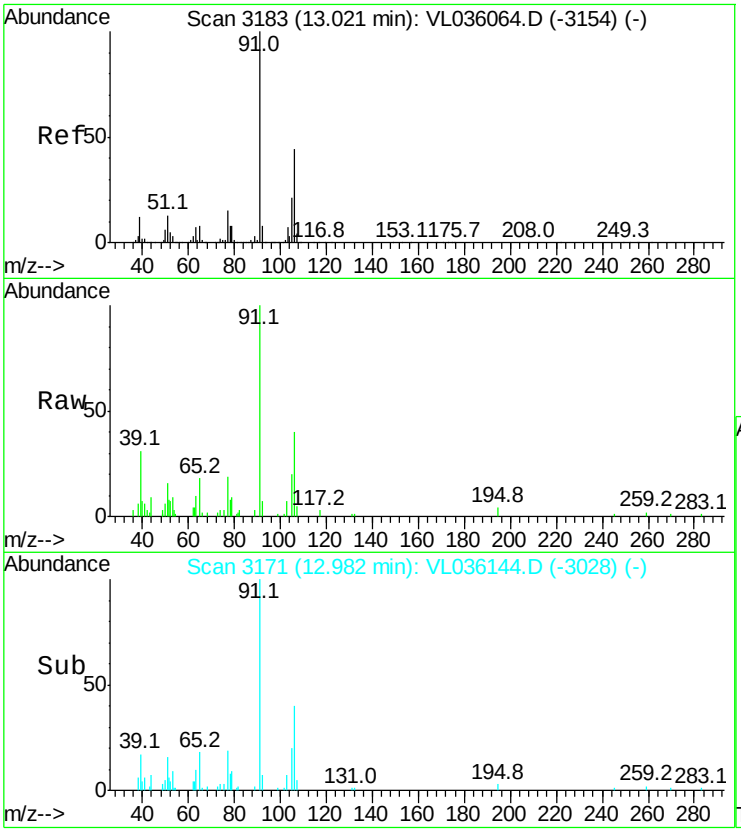


#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.05 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 91 Resp: 11298

Ion	Ratio	Lower	Upper
91	100		
106	24.0	23.0	34.4



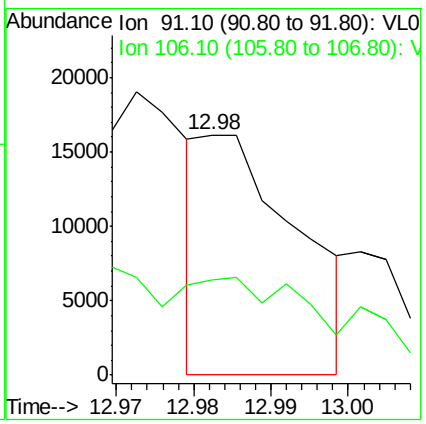


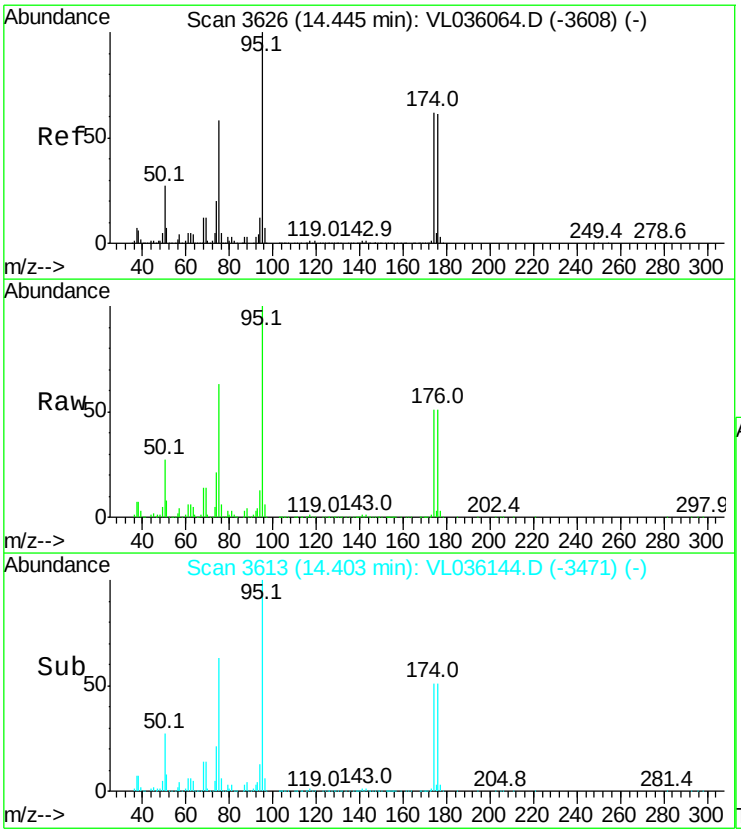
#59
m/p-Xylene
Concen: 0.050 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Instrument : MSVOA_L
ClientSampleId : SS-4BDL

Tgt Ion: 91 Resp: 13787

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.766 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036144.D
Acq: 11 Dec 2020 1:26

Tgt Ion: 95 Resp: 2021946

Ion	Ratio	Lower	Upper
95	100		
174	56.5	50.7	76.1
175	4.0	4.0	6.0#