Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035650.D
Acq On : 17 Sep 2020 5:29
Operator : SY/AP
Sample : L4016-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Quant Time: Sep 17 07:12:19 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	5.67	49	1296950	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	5297332	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	5214036	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3866561	10.44	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.40%				
Target Compounds							Qvalue
9) Propene	3.02	41	56942	1.030	ppbv	#	64
13) Ethanol	3.62	45	6336	0.462	ppbv		94
15) Acetone	3.85	43	1194329	8.350	ppbv		98
16) 1,3-Butadiene	3.31	39	50395	0.946	ppbv	#	3
17) tert-Butyl alcohol	4.33	59	9284	0.053	ppbv		96
20) Methylene Chloride	4.35	84	42988	0.404	ppbv		98
23) Vinyl Acetate	5.06	43	12995	0.071	ppbv	#	31
25) Ethyl Acetate	5.69	43	10975	0.043	ppbv	#	76
26) Hexane	5.69	57	16012	0.112	ppbv	#	51
29) Chloroform	5.75	83	156535	0.537	ppbv		100
30) Cyclohexane	7.14	84	8502	0.055	ppbv	#	25
31) cis-1,2-Dichloroethene	5.55	61	38368	0.261	ppbv		99
34) 2-Butanone	5.27	43	25119	0.160	ppbv		98
36) Benzene	6.89	78	24314	0.071	ppbv	#	89
38) Trichloroethene	7.84	130	587120	2.948	ppbv		98
39) 1,2-Dichloropropane	7.18	63	1012990	8.745	ppbv	#	31
44) 2,2,4-Trimethylpentane	7.87	57	808216	1.791	ppbv		98
52) Tetrachloroethene	11.24	164	5504713	27.479	ppbv	#	78
53) Toluene	9.82	91	121314	0.281	ppbv		97
58) Ethyl Benzene	12.72	91	35889	0.067	ppbv		94
59) m/p-Xylene	13.01	91	32264	0.072	ppbv	#	24
60) o-Xylene	13.71	91	25454	0.056	ppbv	#	44
74) 1,2,4-Trimethylbenzene	16.78	105	66782	0.114	ppbv	#	70

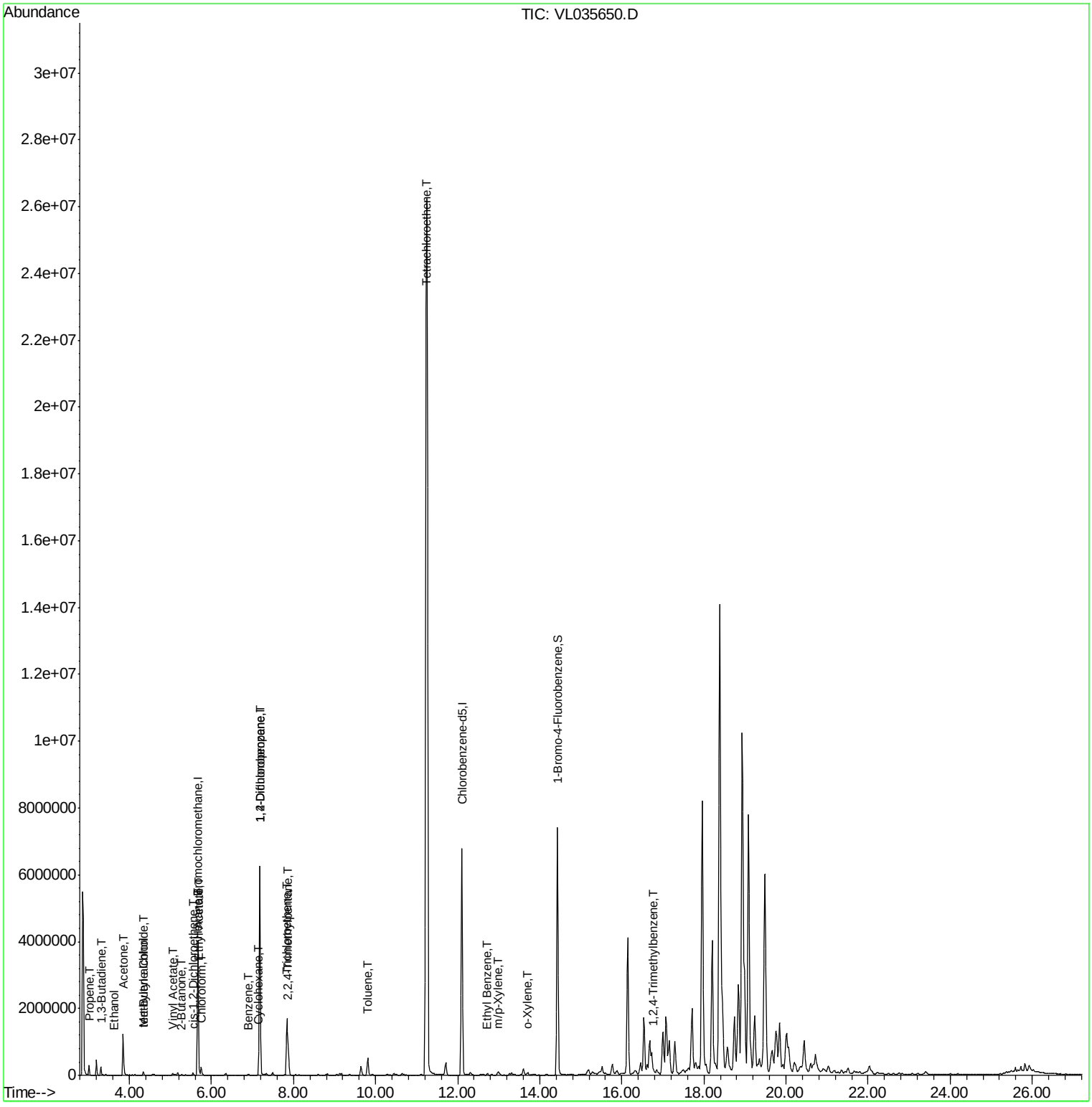
(#) = qualifier out of range (m) = manual integration (+) = signals summed

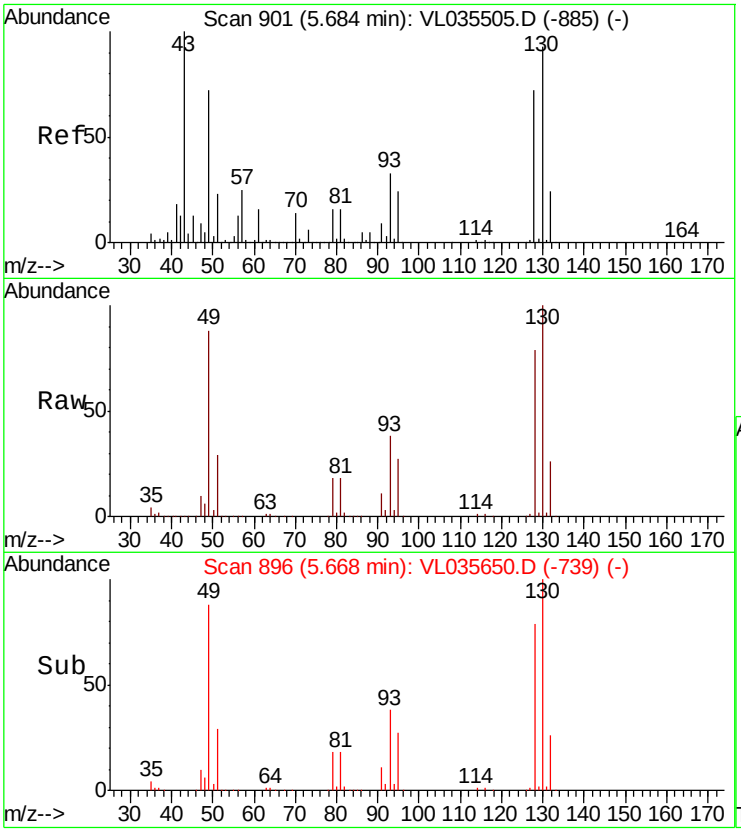
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035650.D
Acq On : 17 Sep 2020 5:29
Operator : SY/AP
Sample : L4016-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Quant Time: Sep 17 07:12:19 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



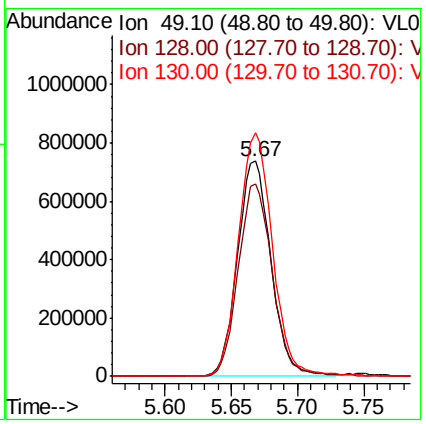


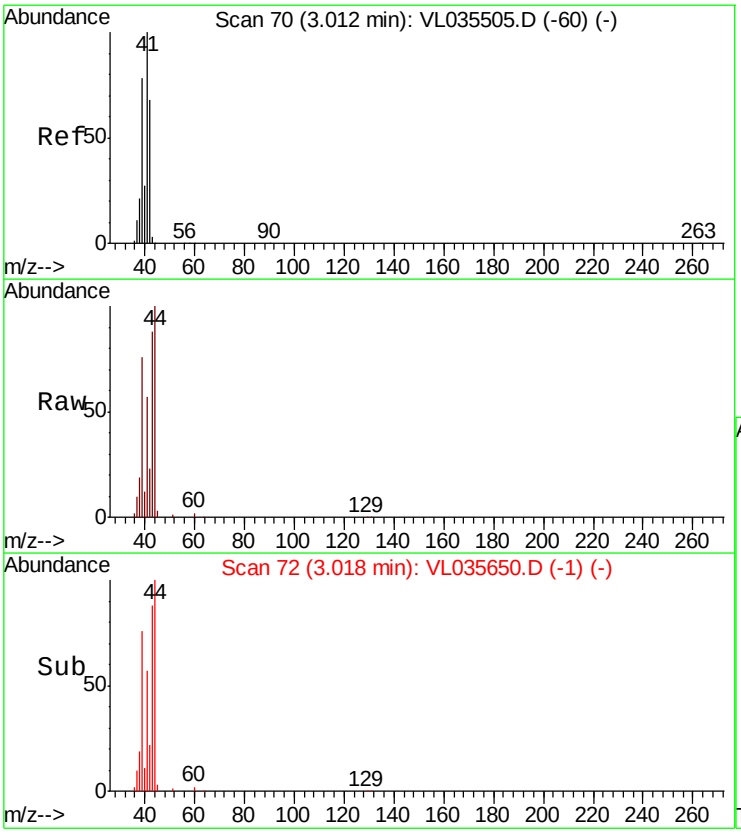
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 49 Resp: 1296950

Ion	Ratio	Lower	Upper
49	100		
128	91.0	50.0	150.1
130	115.9	64.4	193.2

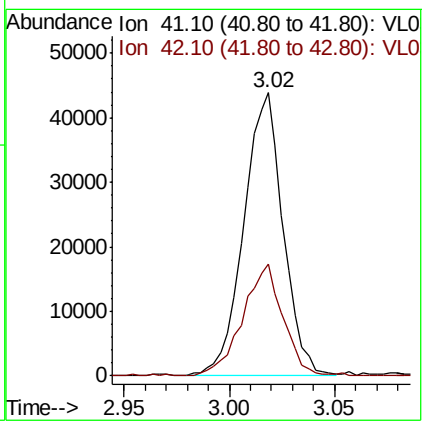


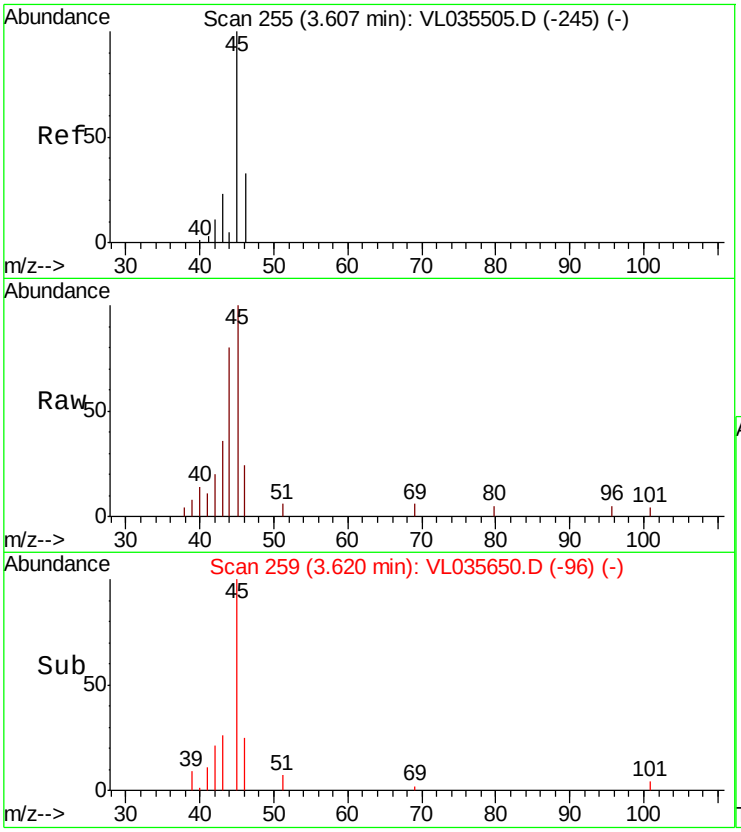


#9
Propene
Concen: 1.030 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.02 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 41 Resp: 56942

Ion	Ratio	Lower	Upper
41	100		
42	40.6	56.3	84.5#



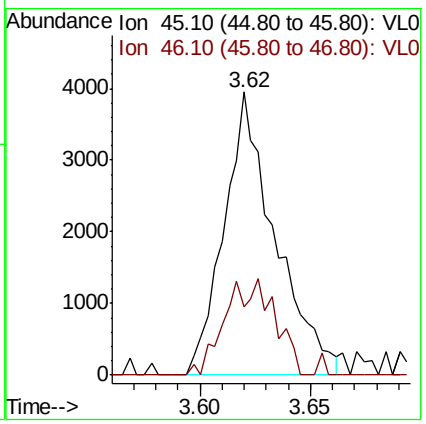


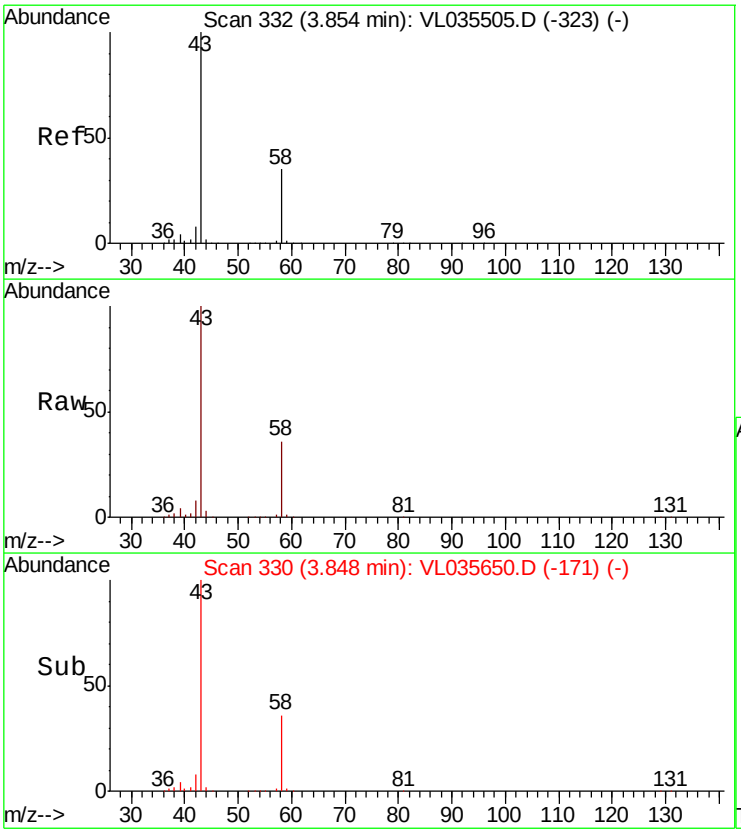
#13
Ethanol
Concen: 0.462 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 45 Resp: 6336

Ion	Ratio	Lower	Upper
45	100		
46	34.0	15.2	60.6

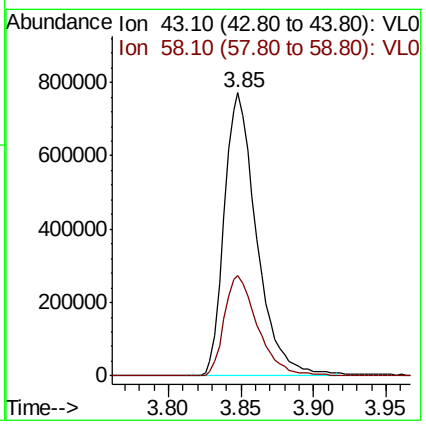


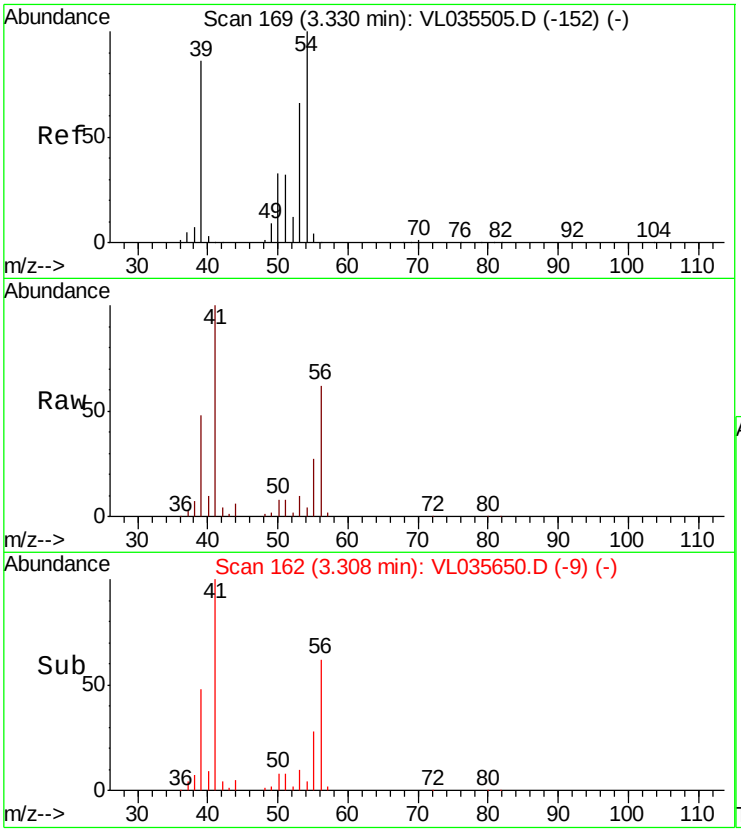


#15
Acetone
Concen: 8.350 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 43 Resp: 1194329

Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.4	42.6



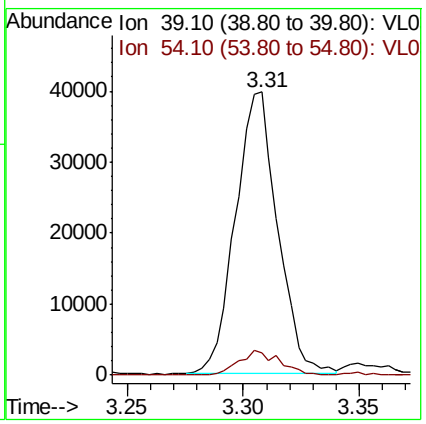


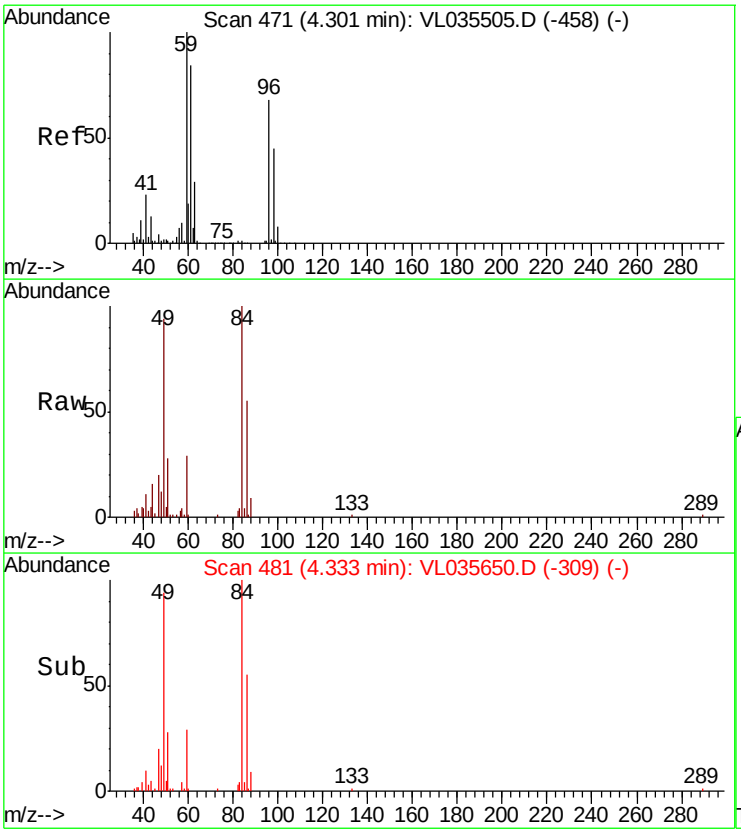
#16
1,3-Butadiene
Concen: 0.946 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 39 Resp: 50395

Ion	Ratio	Lower	Upper
39	100		
54	8.3	88.4	132.6#

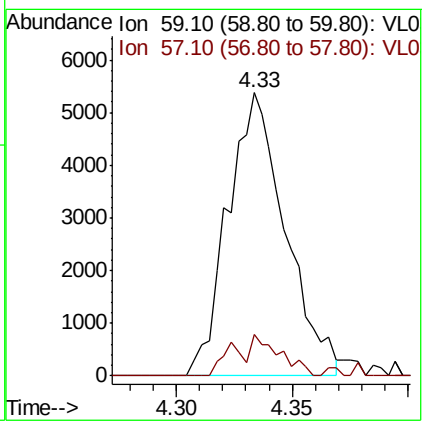


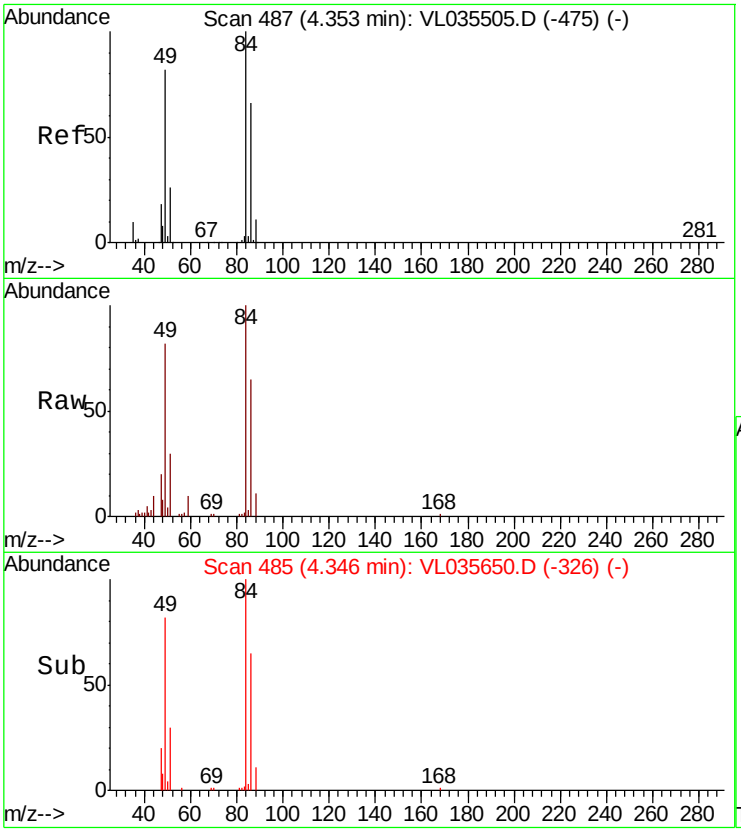


#17
tert-Butyl alcohol
Concen: 0.053 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.05 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 59 Resp: 9284

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.4	12.6



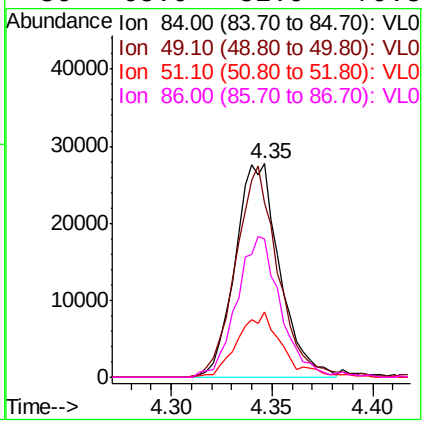


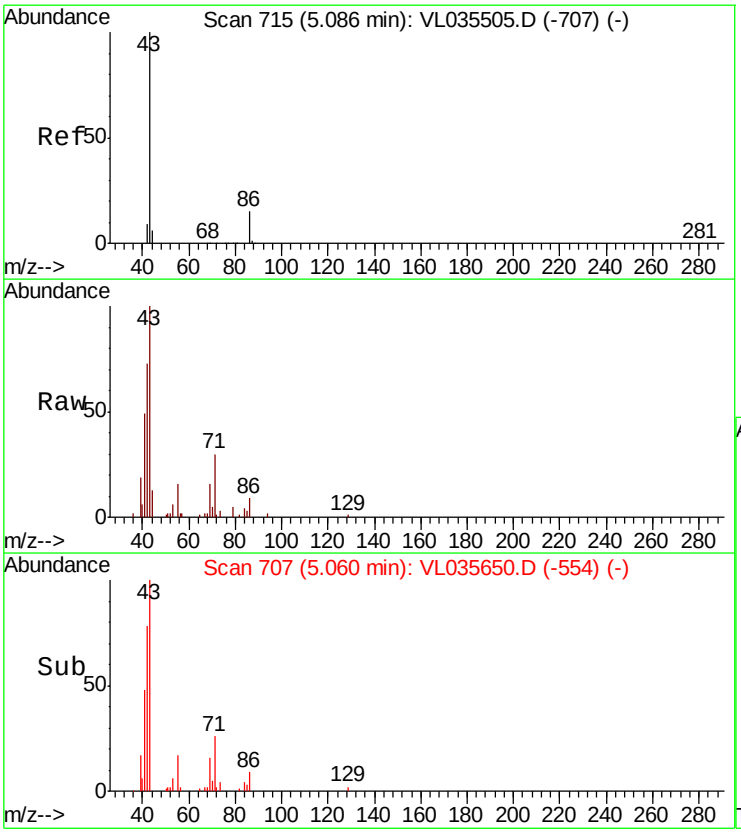
#20
Methylene Chloride
Concen: 0.404 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Tgt Ion: 84 Resp: 42988

Ion	Ratio	Lower	Upper
84	100		
49	81.7	65.4	98.0
51	30.3	21.5	32.3
86	65.0	52.9	79.3

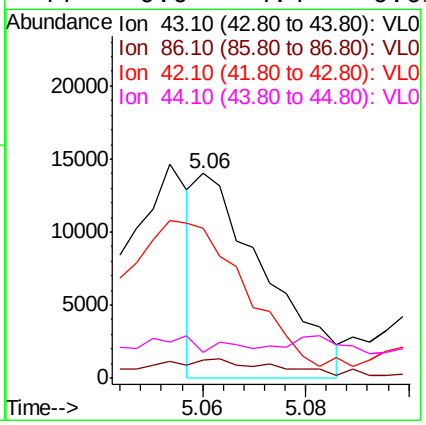


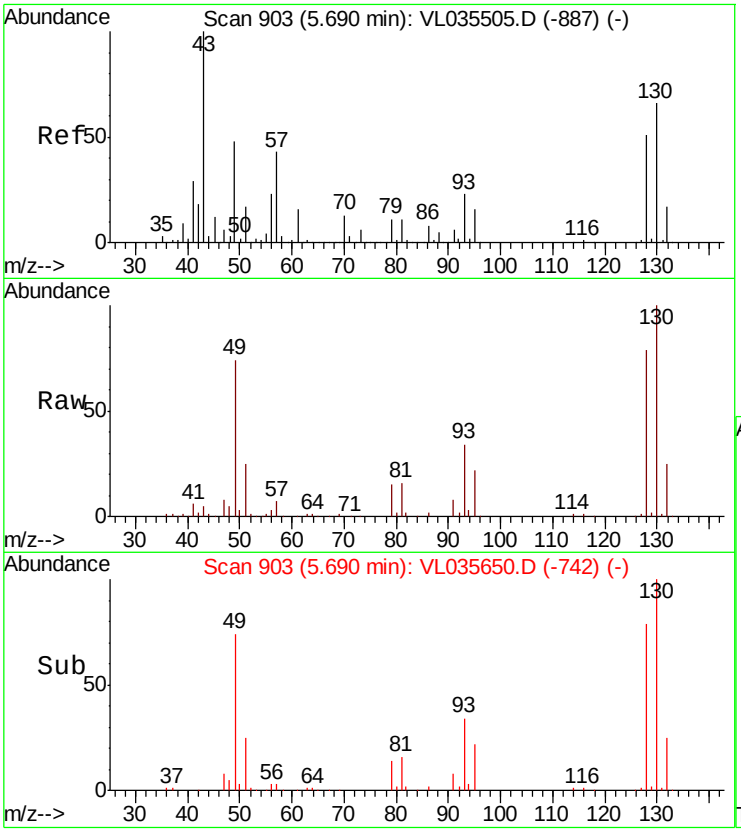


#23
Vinyl Acetate
Concen: 0.071 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 43 Resp: 12995

Ion	Ratio	Lower	Upper
43	100		
86	9.2	10.6	16.0#
42	75.9	7.5	11.3#
44	0.0	4.4	6.6#



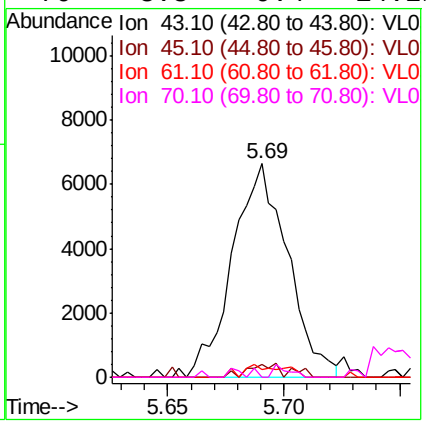


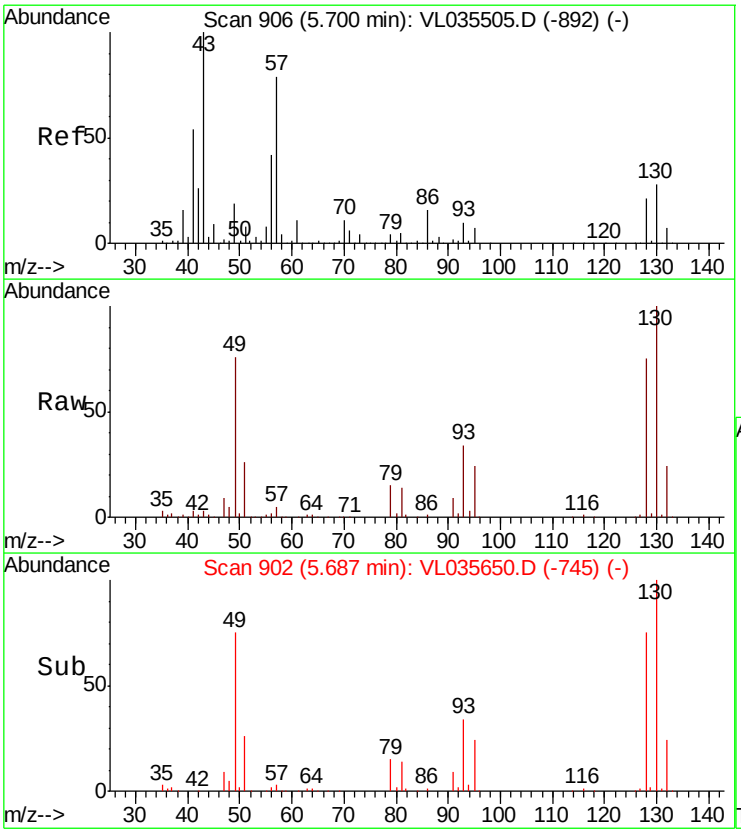
#25
Ethyl Acetate
Concen: 0.043 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Tgt Ion: 43 Resp: 10975

Ion	Ratio	Lower	Upper
43	100		
45	4.7	8.4	12.6#
61	0.0	10.6	16.0#
70	3.3	9.4	14.2#

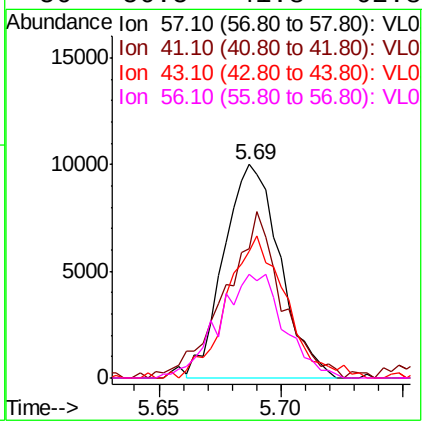


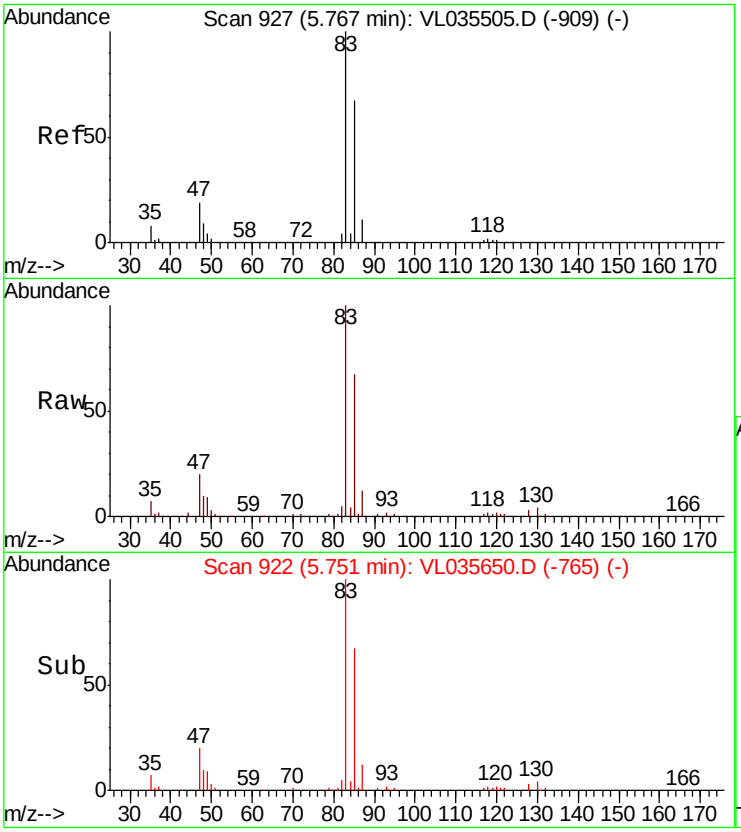


#26
Hexane
Concen: 0.112 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 57 Resp: 16012

Ion	Ratio	Lower	Upper
57	100		
41	78.9	55.9	83.9
43	70.2	141.8	212.8#
56	56.5	41.8	62.8



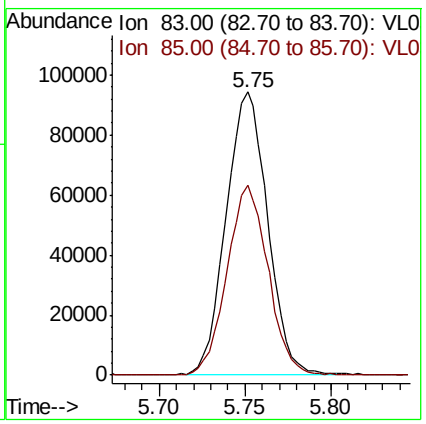


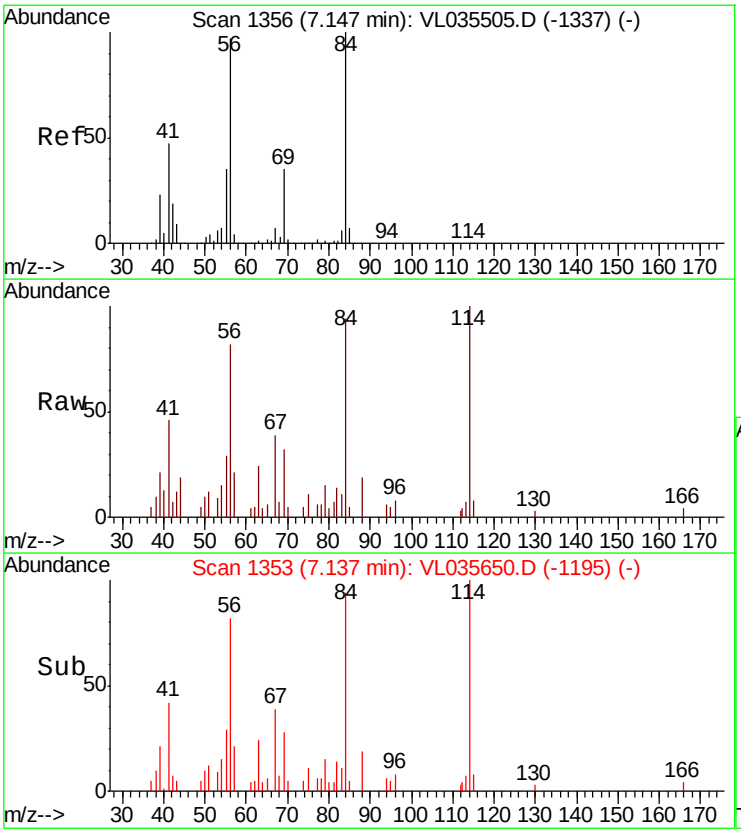
#29
Chloroform
Concen: 0.537 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 83 Resp: 156535

Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.9	80.9

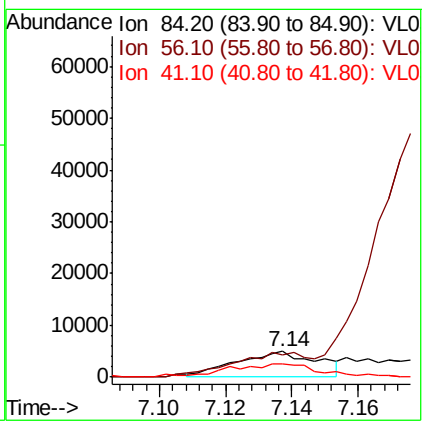


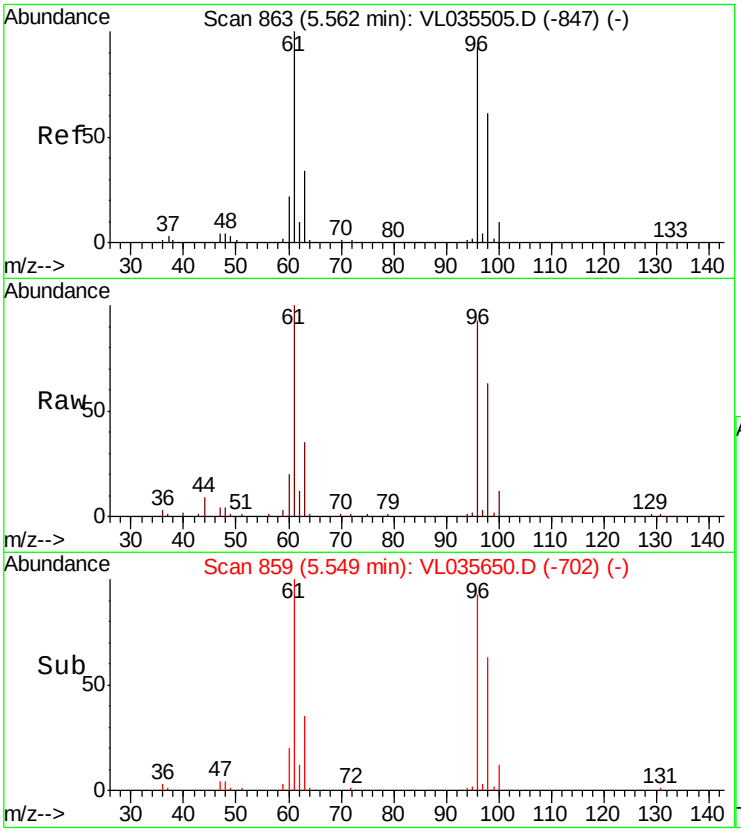


#30
Cyclohexane
Concen: 0.055 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 84 Resp: 8502

Ion	Ratio	Lower	Upper
84	100		
56	0.0	80.1	120.1#
41	61.8	38.1	57.1#



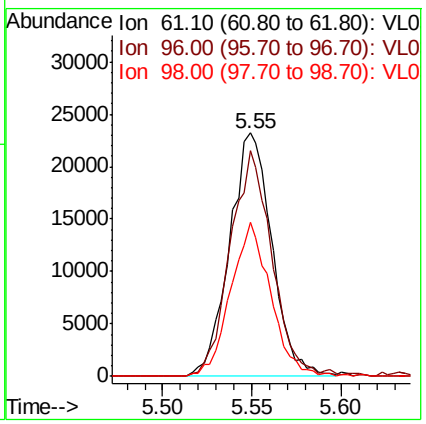


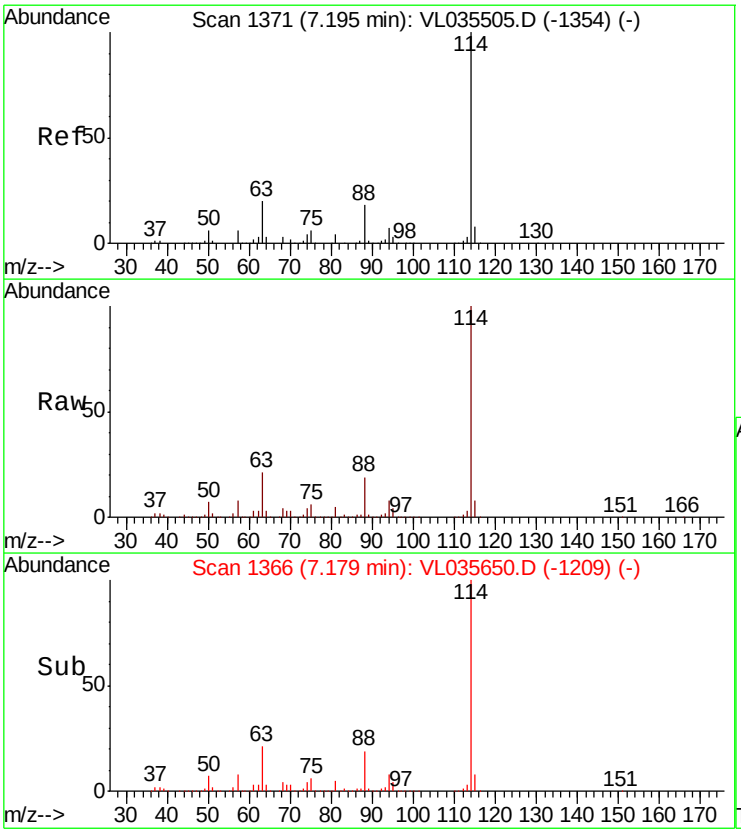
#31
cis-1,2-Dichloroethene
Concen: 0.261 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 61 Resp: 38368

Ion	Ratio	Lower	Upper
61	100		
96	92.7	74.4	111.6
98	63.3	49.2	73.8

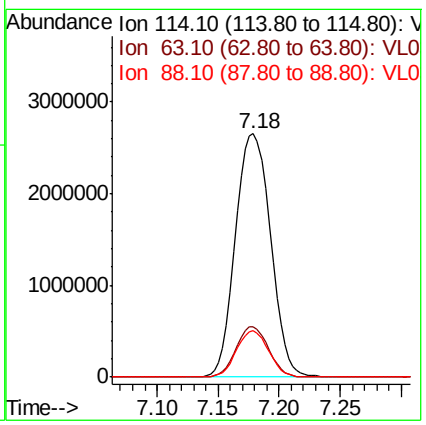


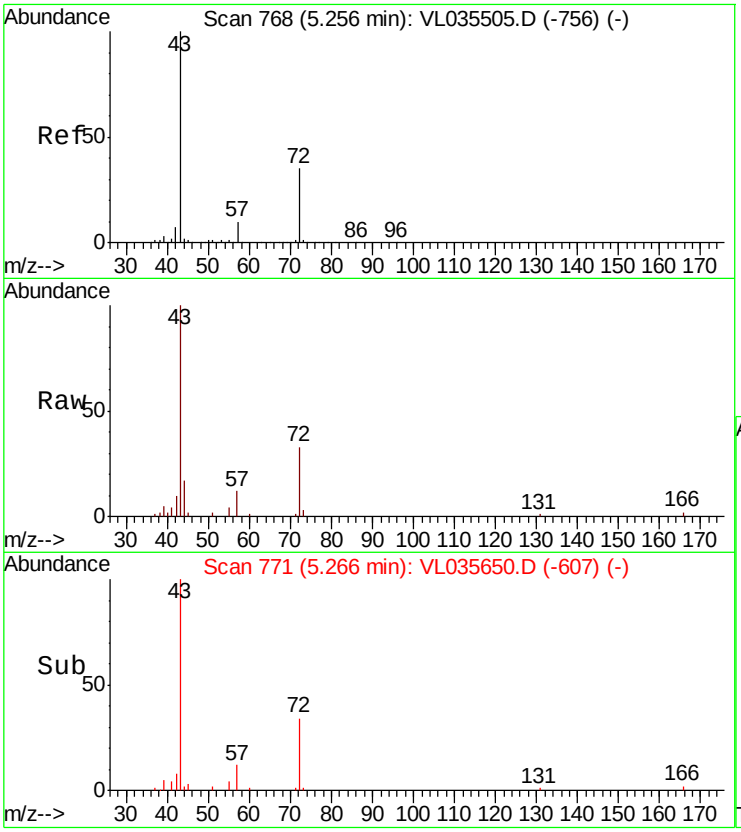


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion:114 Resp: 5297332

Ion	Ratio	Lower	Upper
114	100		
63	19.2	14.7	22.1
88	17.5	13.4	20.2



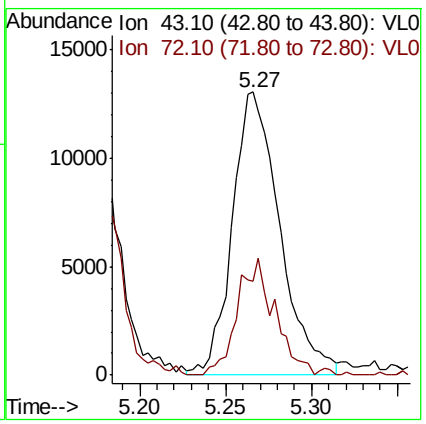


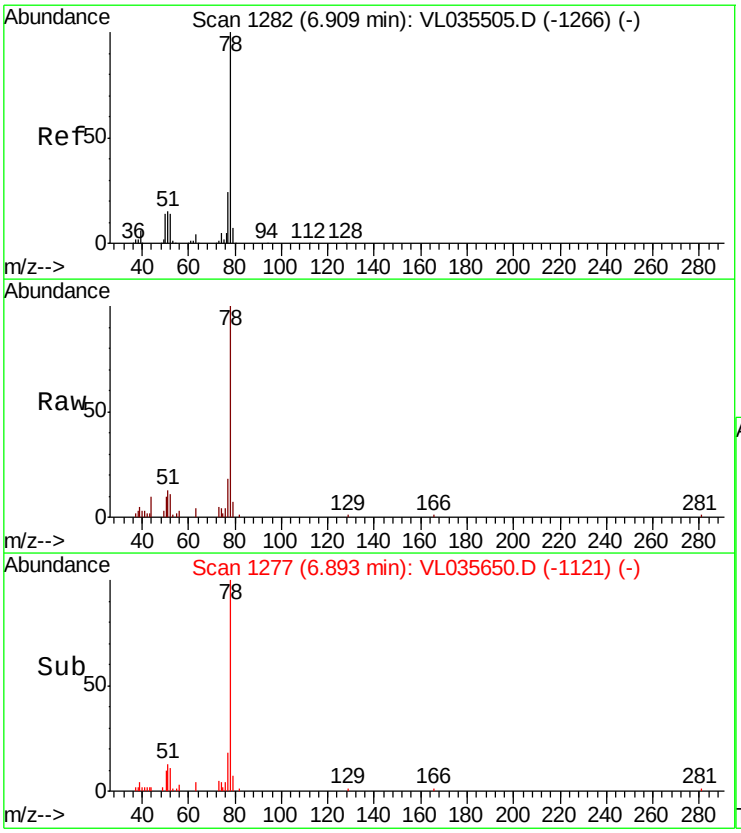
#34
2-Butanone
Concen: 0.160 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Tgt Ion: 43 Resp: 25119

Ion	Ratio	Lower	Upper
43	100		
72	33.2	27.7	41.5

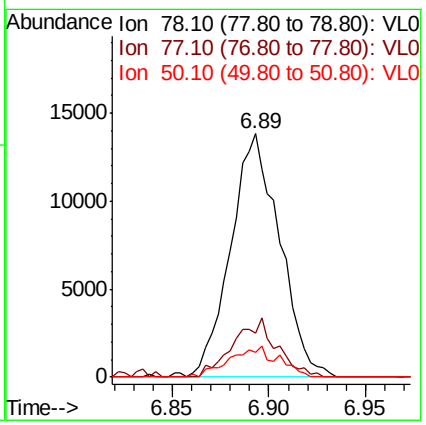


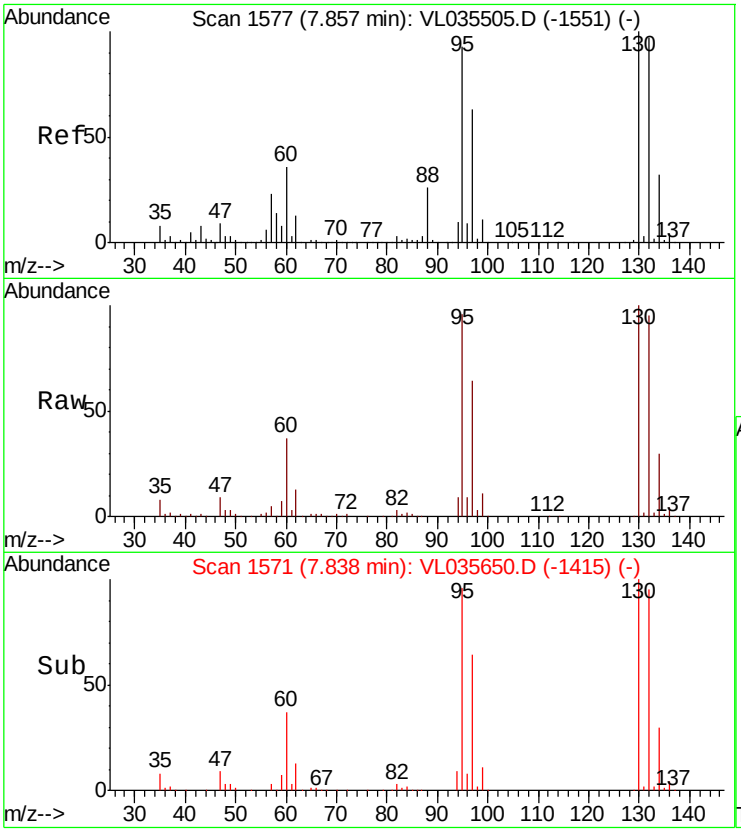


#36
Benzene
Concen: 0.071 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 78 Resp: 24314

Ion	Ratio	Lower	Upper
78	100		
77	18.3	19.3	28.9#
50	10.1	11.0	16.6#



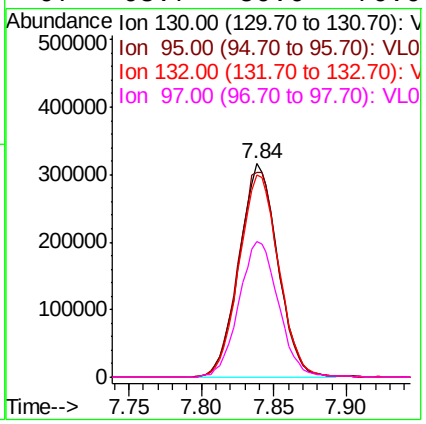


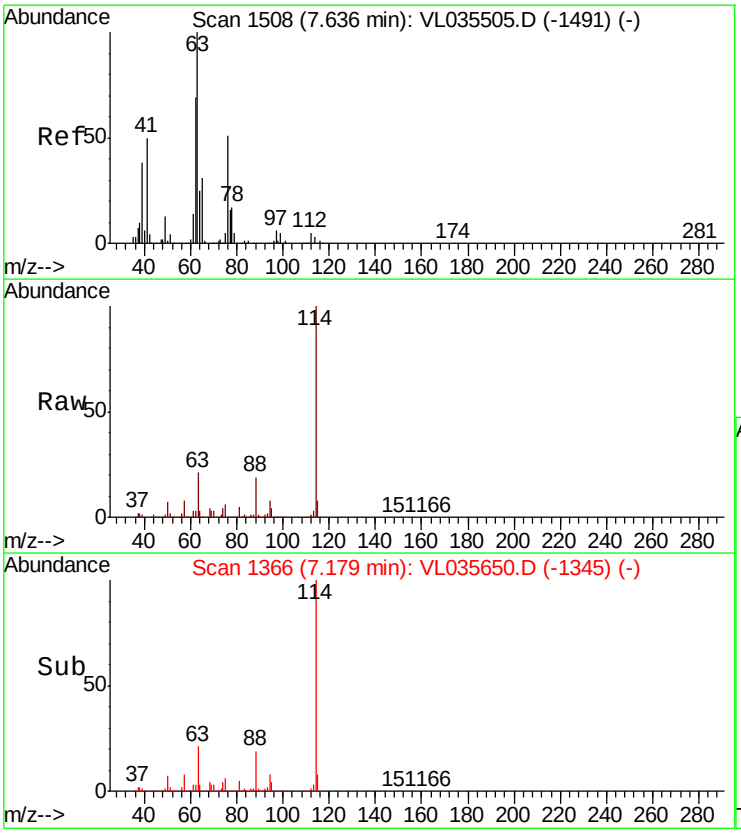
#38
Trichloroethene
Concen: 2.948 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion:130 Resp: 587120

Ion	Ratio	Lower	Upper
130	100		
95	95.7	74.6	112.0
132	94.6	77.6	116.4
97	63.7	50.6	76.0

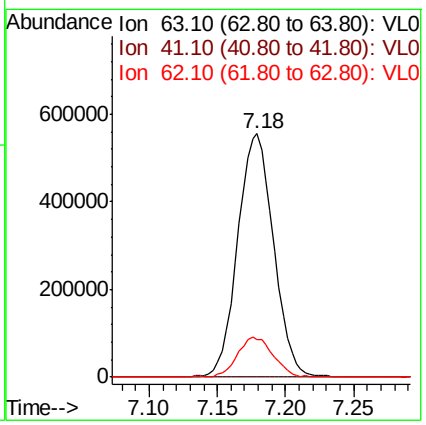


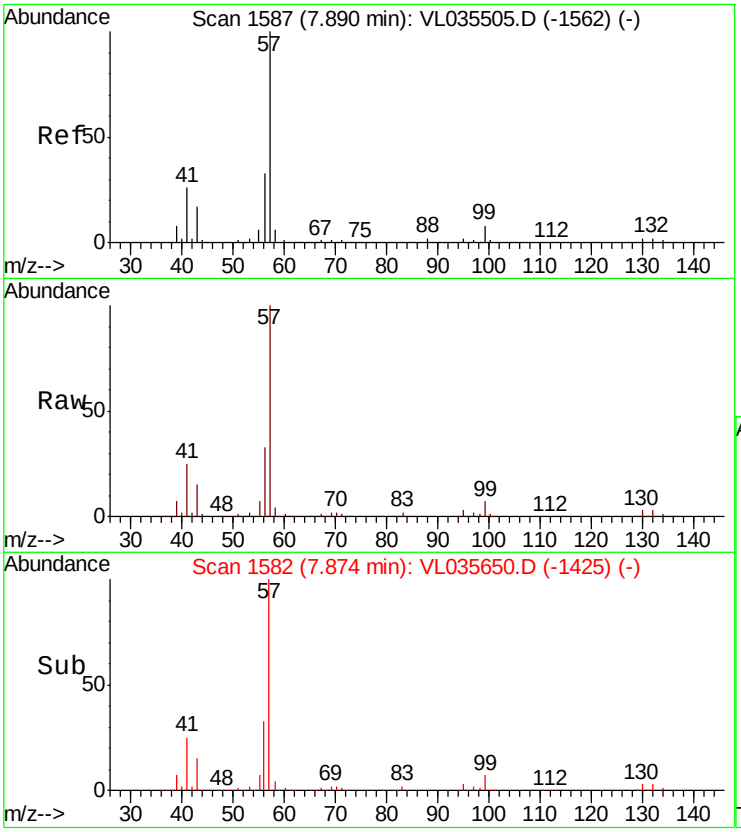


#39
1,2-Dichloropropane
Concen: 8.745 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 63 Resp: 1012990

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	15.5	55.4	83.0#



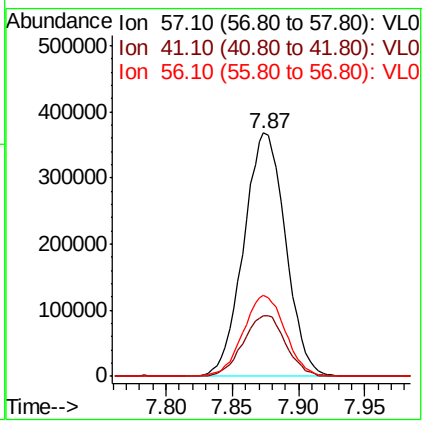


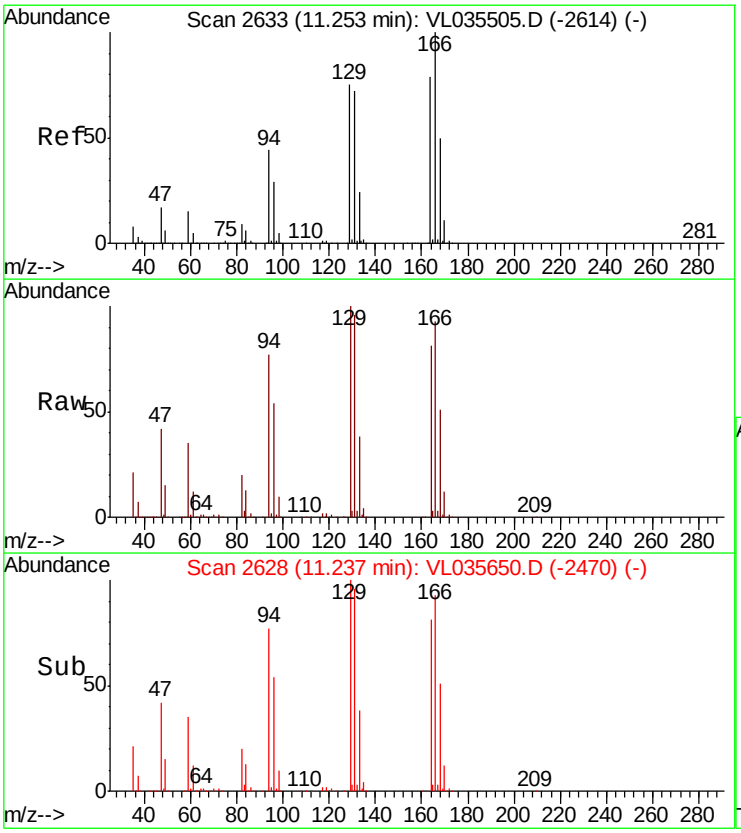
#44
2,2,4-Trimethylpentane
Concen: 1.791 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 57 Resp: 808216

Ion	Ratio	Lower	Upper
57	100		
41	25.3	20.5	30.7
56	33.7	25.3	37.9

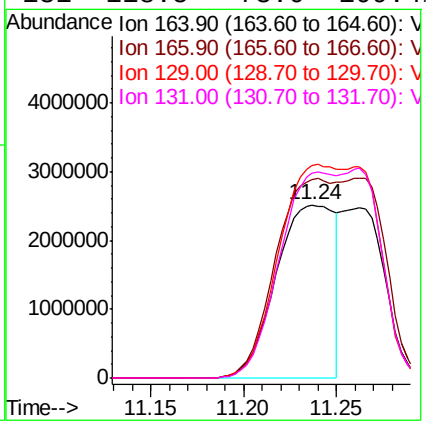


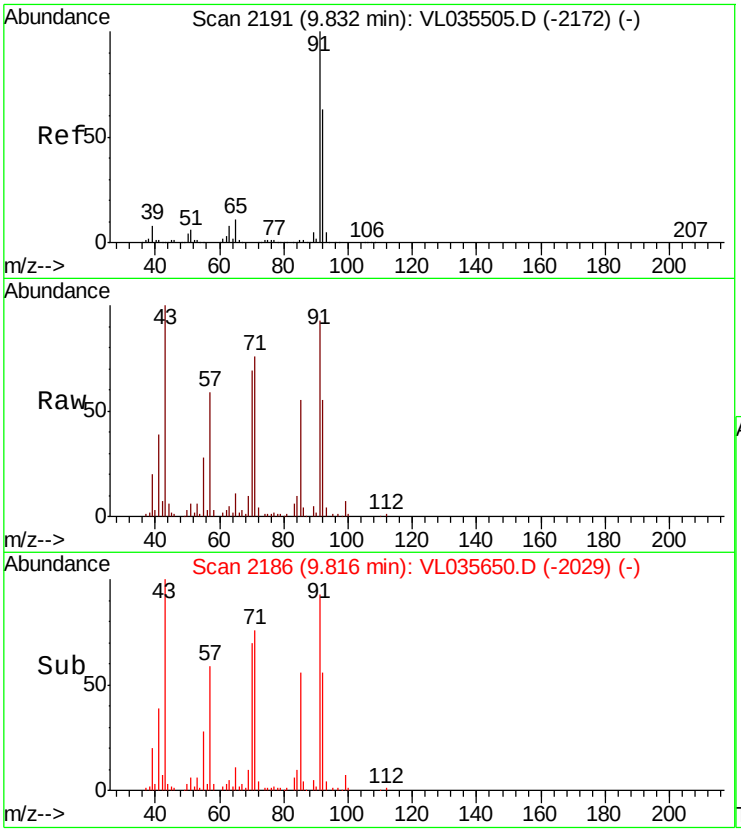


#52
Tetrachloroethene
Concen: 27.479 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion:164 Resp: 5504713

Ion	Ratio	Lower	Upper
164	100		
166	114.5	100.9	151.3
129	123.0	75.3	112.9#
131	118.5	73.0	109.4#



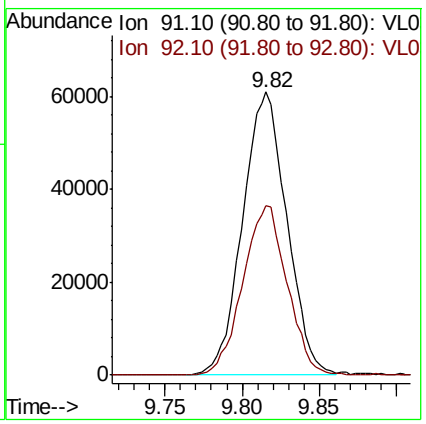


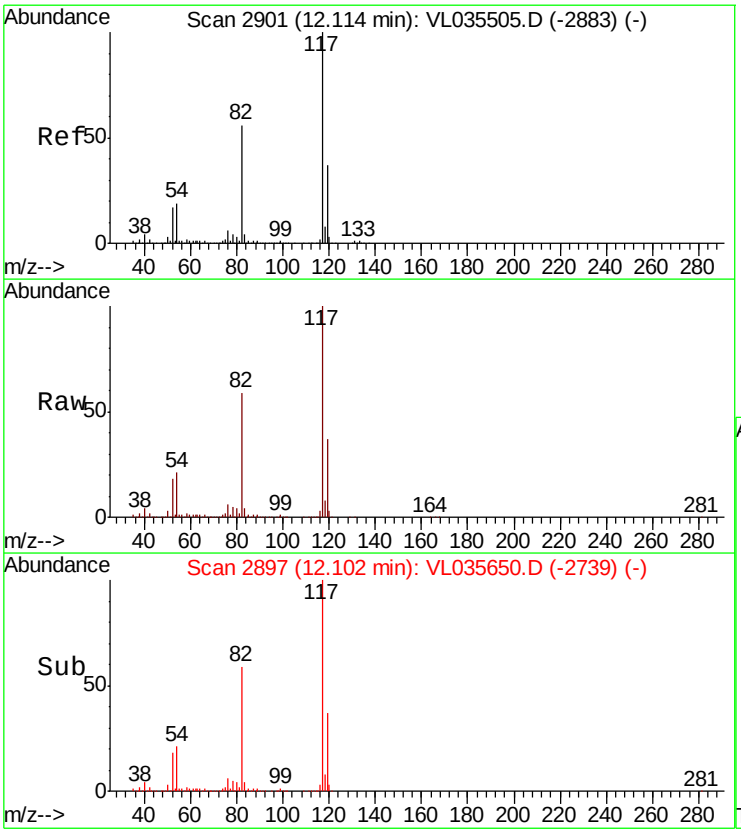
#53
Toluene
Concen: 0.281 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 91 Resp: 121314

Ion	Ratio	Lower	Upper
91	100		
92	59.8	49.8	74.8

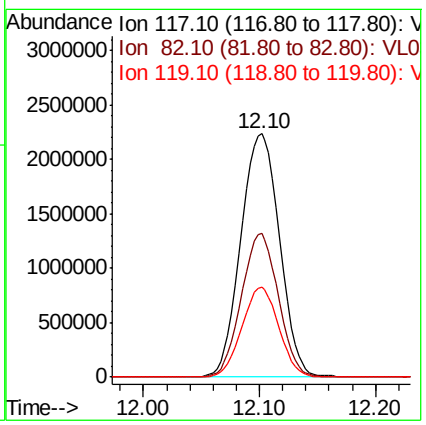


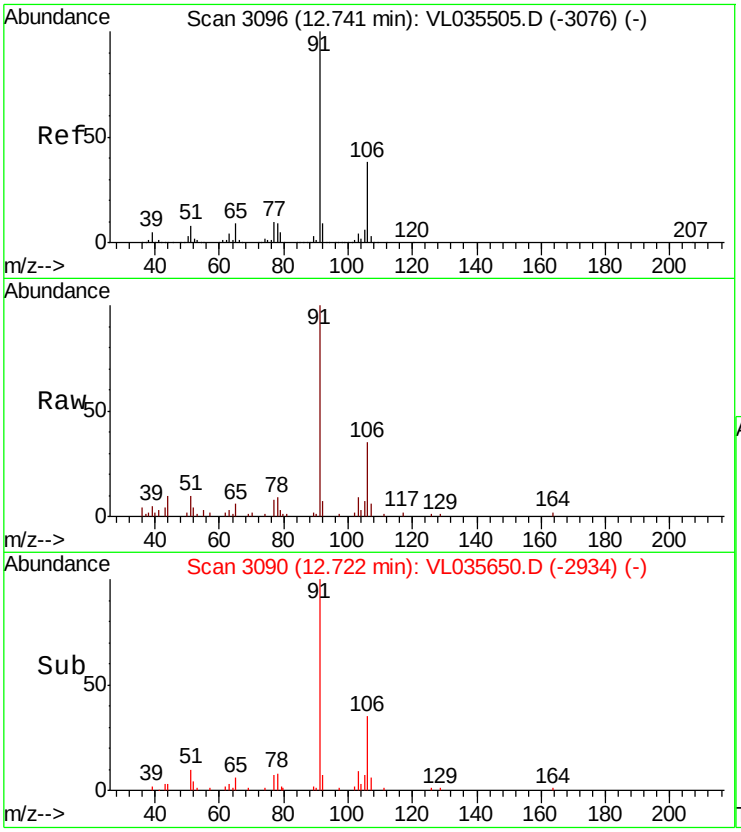


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion:117 Resp: 5214036

Ion	Ratio	Lower	Upper
117	100		
82	56.4	41.6	62.4
119	35.2	29.3	43.9



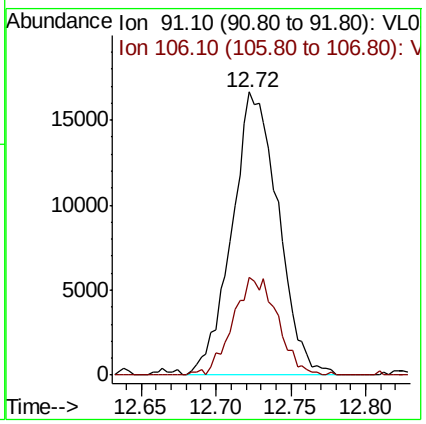


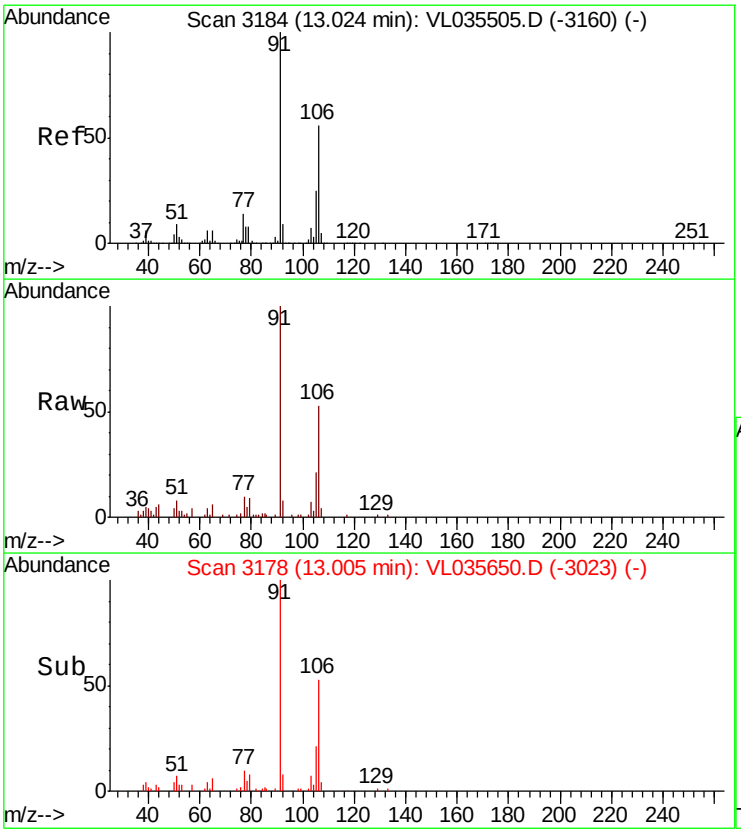
#58
Ethyl Benzene
Concen: 0.067 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument : MSVOA_L
ClientSampleId : SV-13DL

Tgt Ion: 91 Resp: 35889

Ion	Ratio	Lower	Upper
91	100		
106	34.5	30.3	45.5

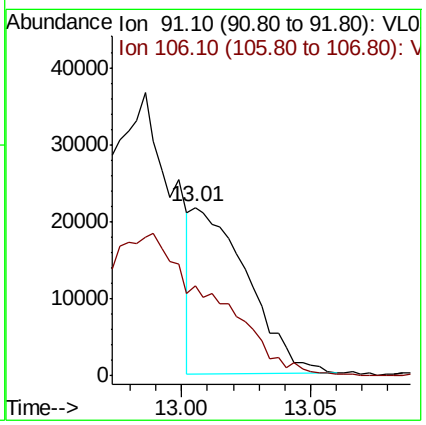


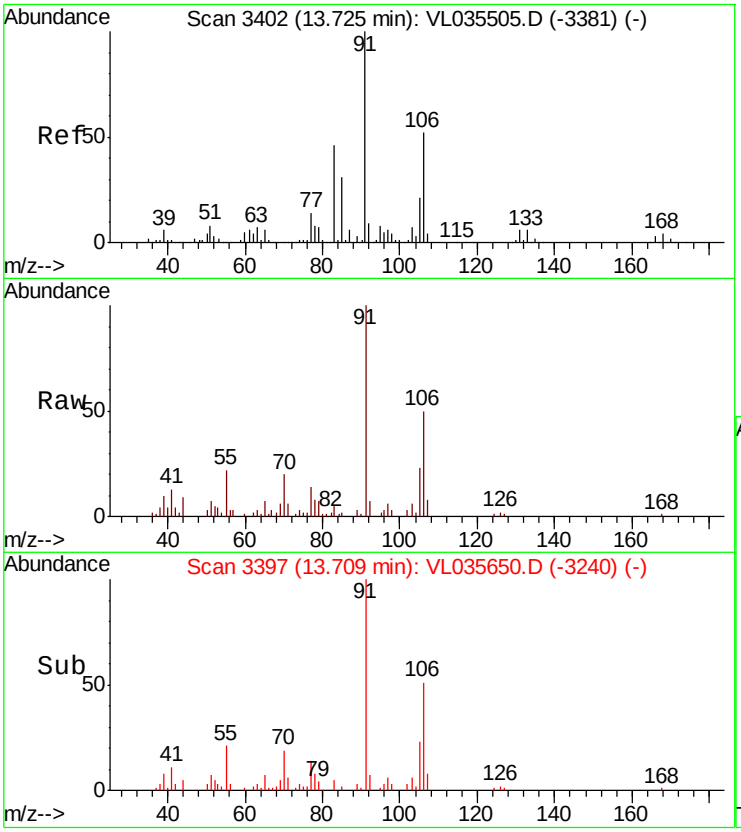


#59
m/p-Xylene
Concen: 0.072 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 91 Resp: 32264

Ion	Ratio	Lower	Upper
91	100		
106	0.0	43.4	65.2#



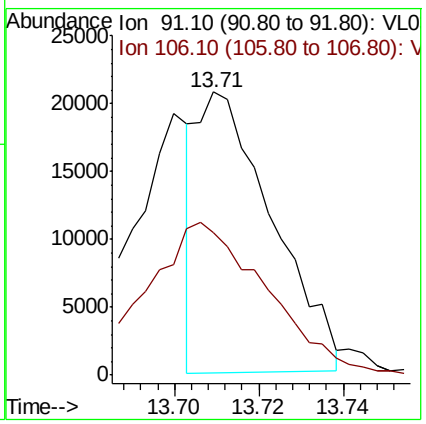


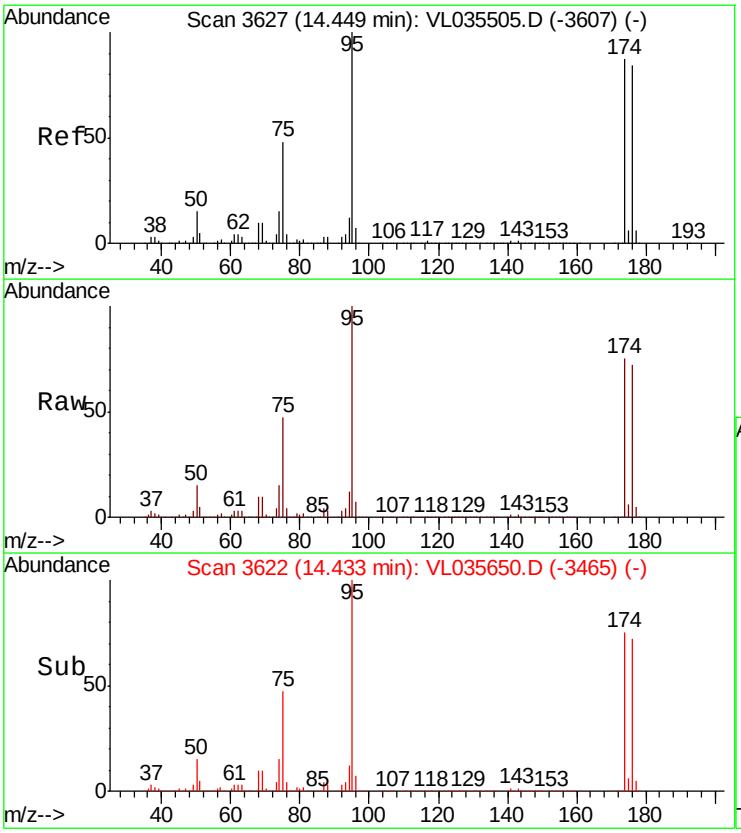
#60
o-Xylene
Concen: 0.056 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion: 91 Resp: 25454

Ion	Ratio	Lower	Upper
91	100		
106	90.9	25.8	77.4#

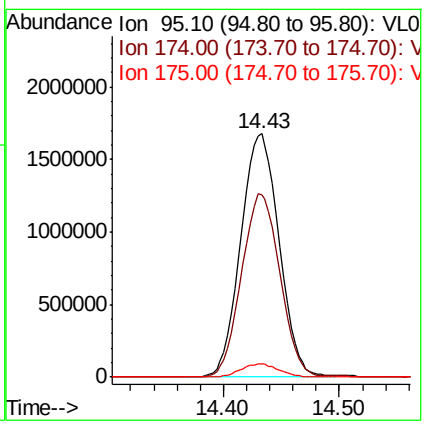


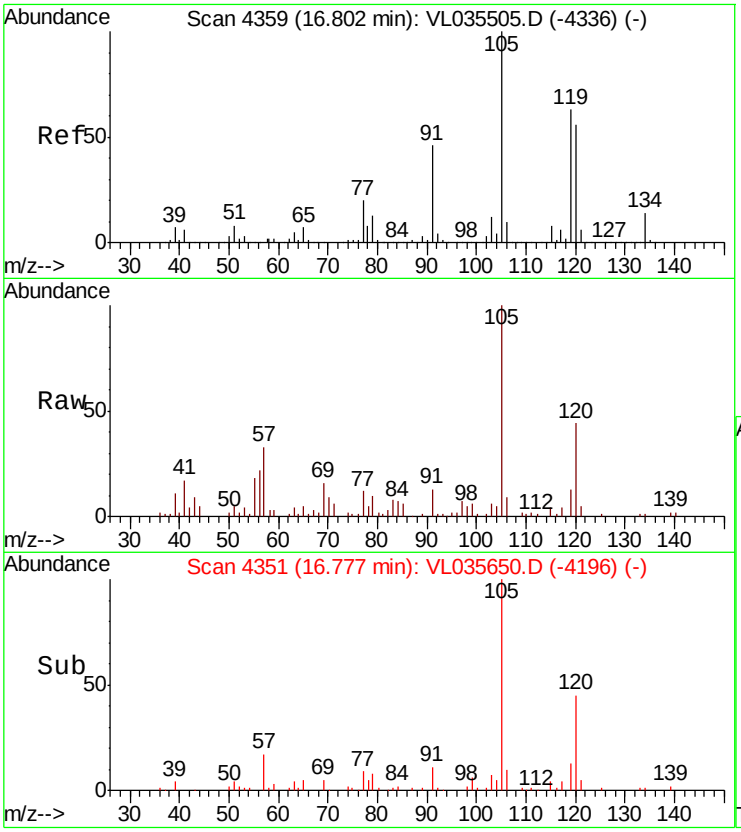


#68
1-Bromo-4-Fluorobenzene
Concen: 10.442 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 95 Resp: 3866561

Ion	Ratio	Lower	Upper
95	100		
174	76.2	69.6	104.4
175	5.5	5.1	7.7





#74
1,2,4-Trimethylbenzene
Concen: 0.114 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tgt Ion:105 Resp: 66782

Ion	Ratio	Lower	Upper
105	100		
120	44.7	44.4	66.6
91	11.5	37.1	55.7#
77	10.0	16.0	24.0#