Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120820\
Data File : VL036107.D
Acq On : 8 Dec 2020 23:05
Operator : SY/AP
Sample : L4949-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Quant Time: Dec 09 07:22:21 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	5.67	49	1171731	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2609179	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	2317308	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	1965927	10.68	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.80%			
Target Compounds						Qvalue
4) Chloromethane	3.14	50	5047	0.077	ppbv #	42
9) Propene	3.20	41	59332	0.886	ppbv	94
10) Heptane	8.12	43	45158	0.264	ppbv #	71
13) Ethanol	3.61	45	31615	3.424	ppbv #	29
15) Acetone	3.85	43	4518595	32.087	ppbv	99
16) 1,3-Butadiene	3.36	39	219226	3.091	ppbv #	14
17) tert-Butyl alcohol	4.31	59	12206	0.089	ppbv #	71
19) Isopropyl Alcohol	3.98	45	200383	2.328	ppbv #	100
20) Methylene Chloride	4.35	84	33552	0.581	ppbv #	95
23) Vinyl Acetate	5.11	43	11044	0.059	ppbv #	51
25) Ethyl Acetate	5.68	43	598832	2.129	ppbv #	67
26) Hexane	5.69	57	55726	0.440	ppbv #	1
30) Cyclohexane	7.13	84	4221	0.045	ppbv #	1
34) 2-Butanone	5.25	43	1085808	6.274	ppbv	100
36) Benzene	6.90	78	14484	0.066	ppbv #	82
39) 1,2-Dichloropropane	7.18	63	756653	8.665	ppbv #	23
41) Tetrahydrofuran	6.06	42	153272	1.491	ppbv	97
44) 2,2,4-Trimethylpentane	7.87	57	230248	0.575	ppbv #	71
50) 4-Methyl-2-Pentanone	8.76	43	300986	1.166	ppbv	98
52) Tetrachloroethene	11.23	164	3562	0.044	ppbv #	67
53) Toluene	9.82	91	4750881	19.134	ppbv	98
58) Ethyl Benzene	12.73	91	300663	0.947	ppbv	99
59) m/p-Xylene	12.98	91	962654	3.599	ppbv	98
60) o-Xylene	13.70	91	322196	1.279	ppbv	97
64) n-propylbenzene	15.57	120	4492	0.050	ppbv #	1
72) 4-Ethyltoluene	15.85	105	49885	0.183	ppbv #	60
73) 1,3,5-Trimethylbenzene	16.01	105	46658	0.179	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	111932	0.428	ppbv #	65

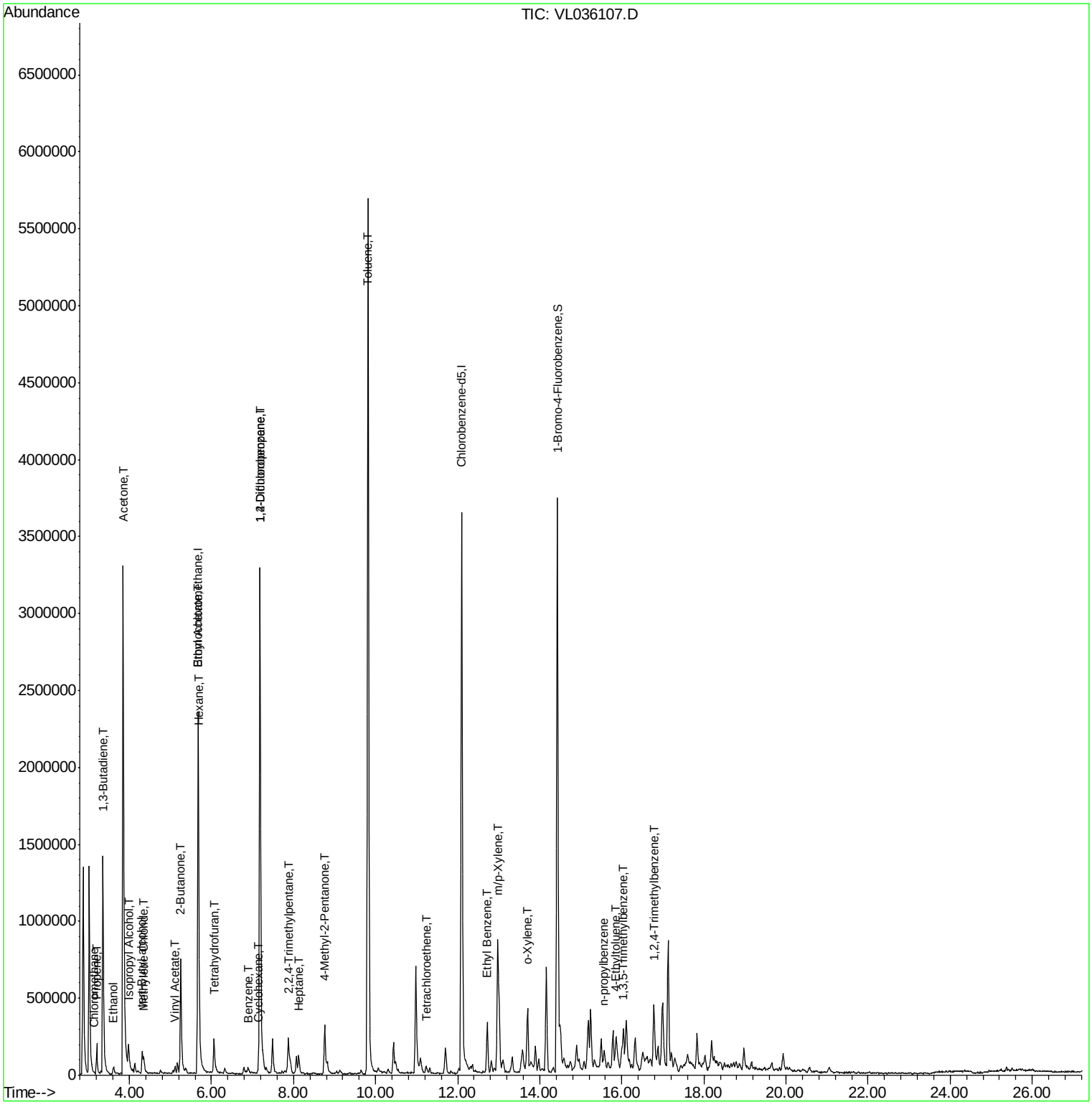
(#) = qualifier out of range (m) = manual integration (+) = signals summed

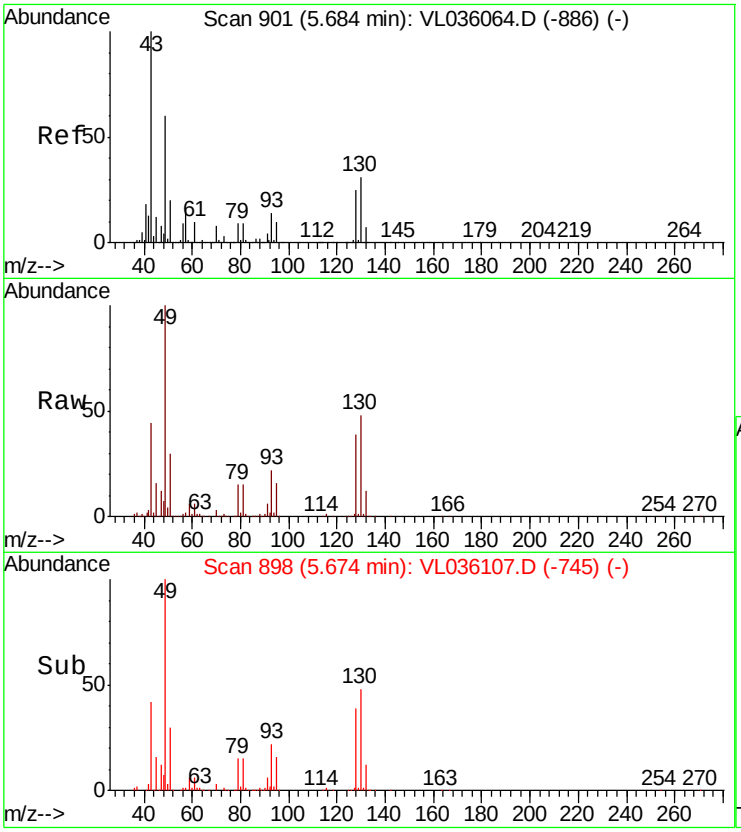
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120820\
Data File : VL036107.D
Acq On : 8 Dec 2020 23:05
Operator : SY/AP
Sample : L4949-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Quant Time: Dec 09 07:22:21 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



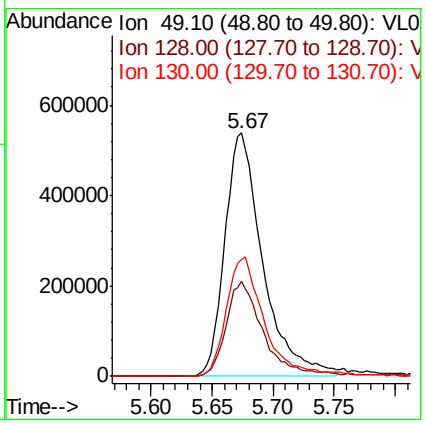


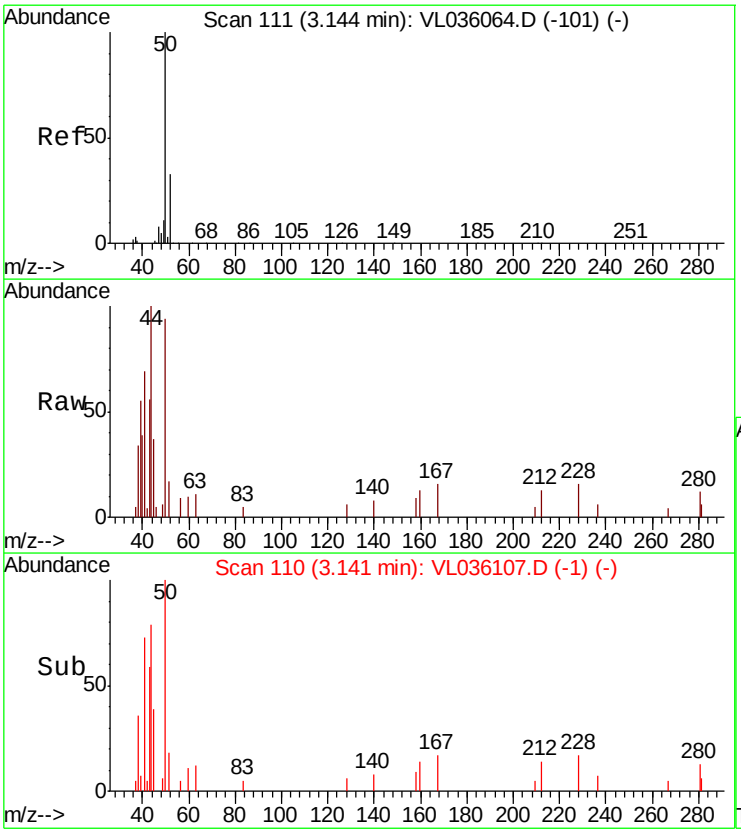
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 49 Resp: 1171731

Ion	Ratio	Lower	Upper
49	100		
128	38.9	21.1	63.1
130	49.9	27.1	81.3

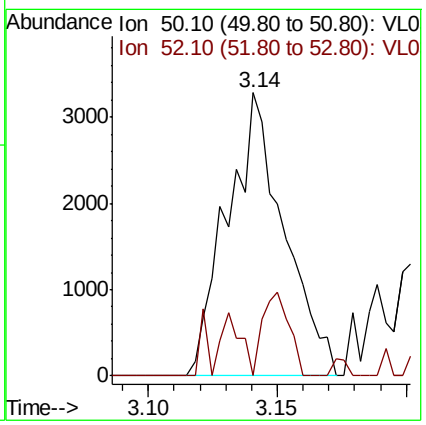


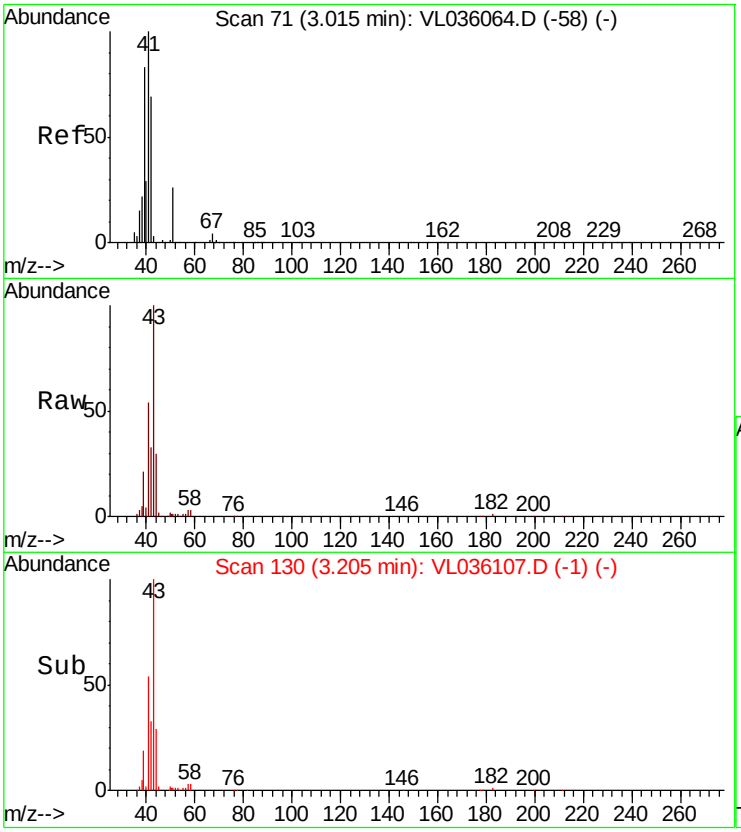


#4
Chloromethane
Concen: 0.077 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 50 Resp: 5047

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.1	39.1#



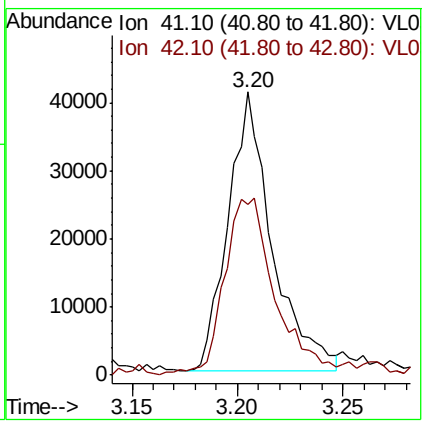


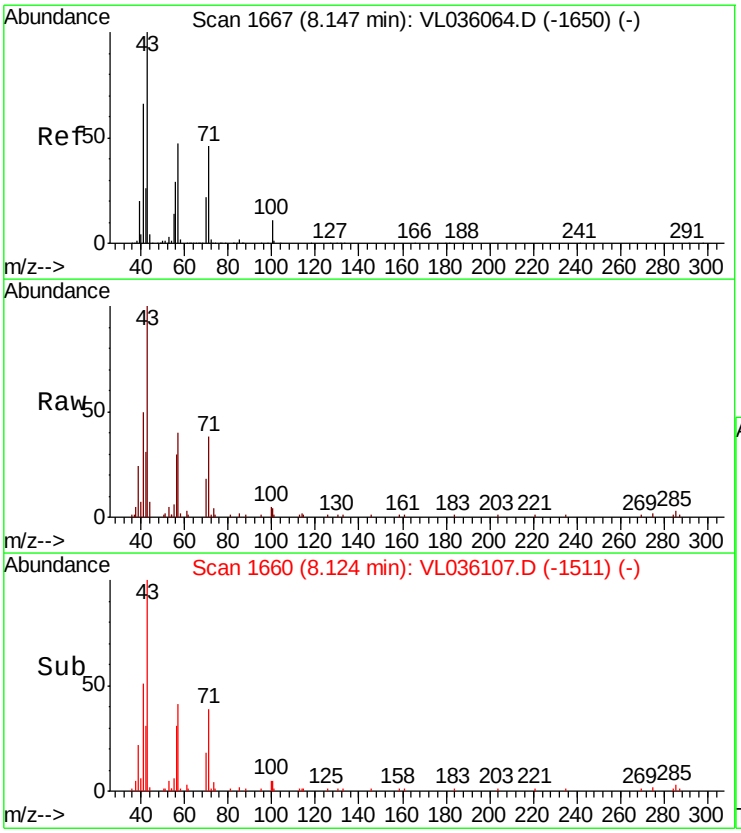
#9
Propene
Concen: 0.886 ppbv
RT: 3.20 min Scan# 130
Delta R.T. 0.19 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 41 Resp: 59332

Ion	Ratio	Lower	Upper
41	100		
42	76.5	57.0	85.6

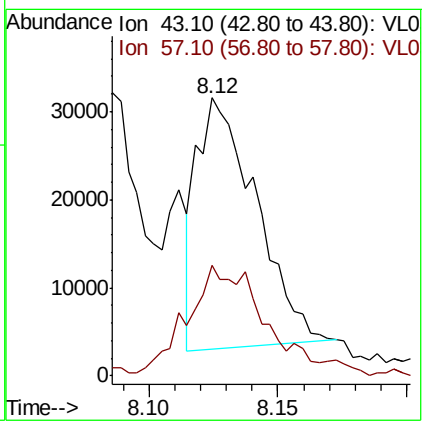


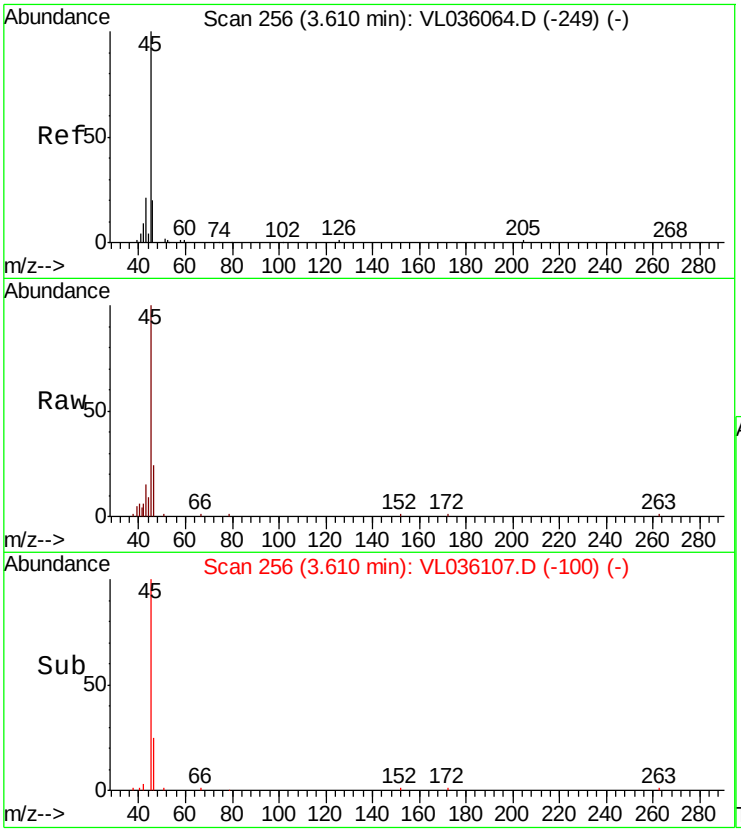


#10
Heptane
Concen: 0.264 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 43 Resp: 45158

Ion	Ratio	Lower	Upper
43	100		
57	66.7	37.9	56.9#



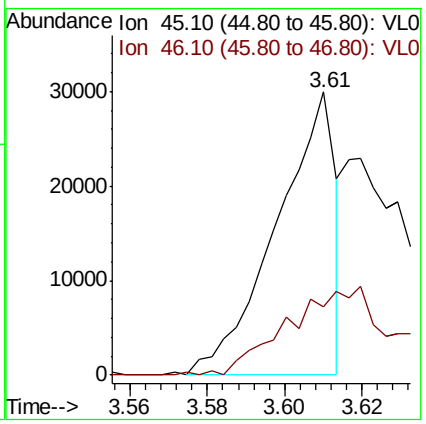


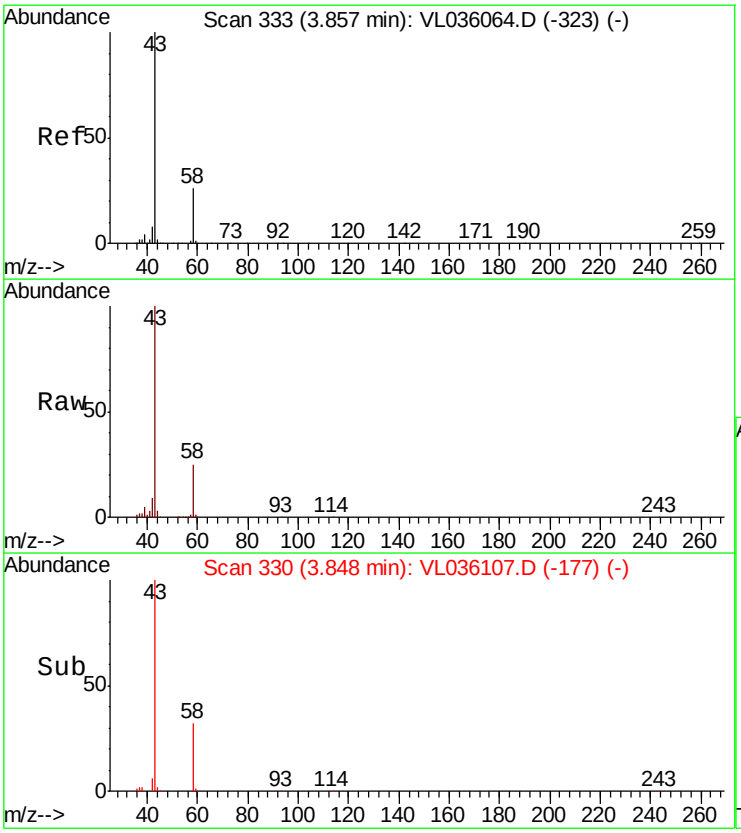
#13
Ethanol
Concen: 3.424 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 45 Resp: 31615

Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.0	75.8#

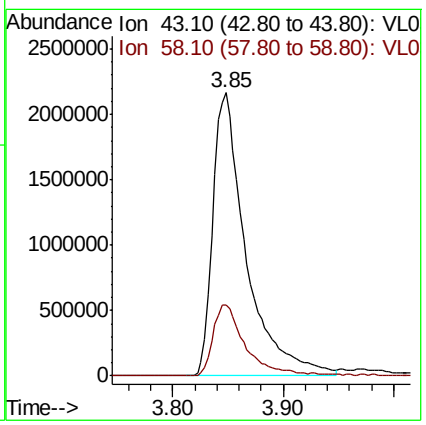


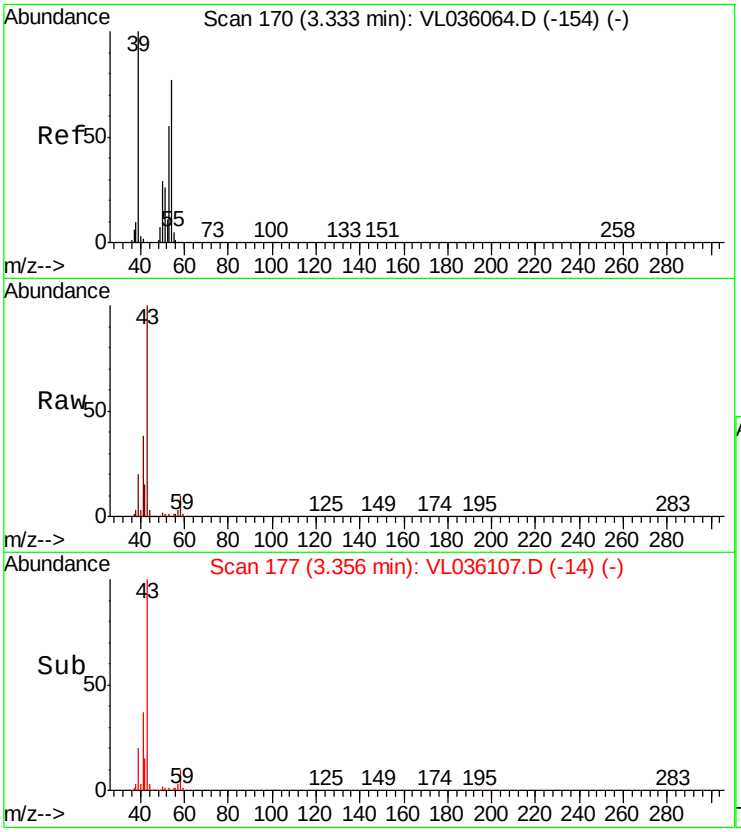


#15
Acetone
Concen: 32.087 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 43 Resp: 4518595

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.9	31.3



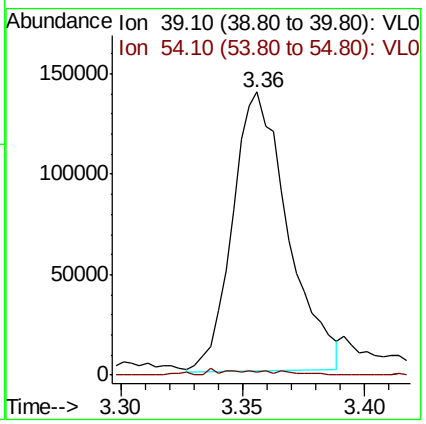


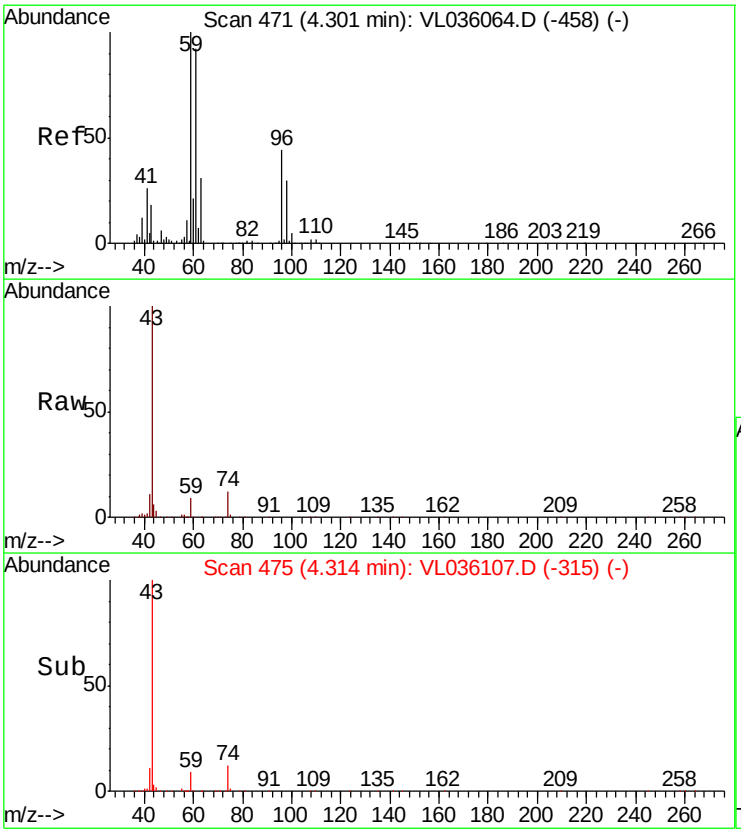
#16
1,3-Butadiene
Concen: 3.091 ppbv
RT: 3.36 min Scan# 177
Delta R.T. 0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 39 Resp: 219226

Ion	Ratio	Lower	Upper
39	100		
54	2.7	62.1	93.1#

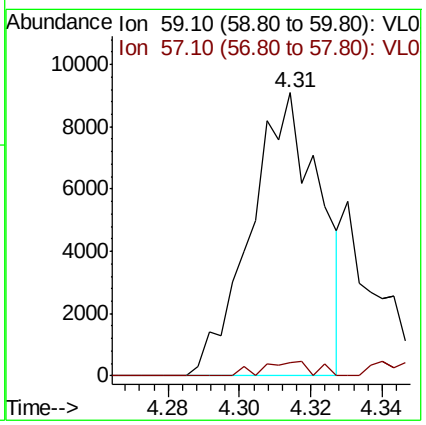


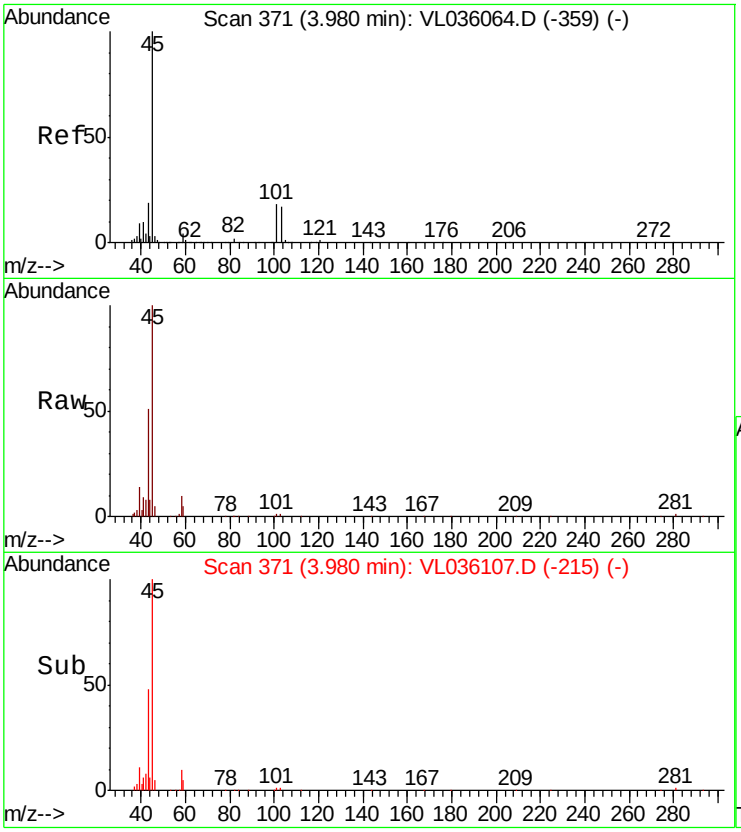


#17
tert-Butyl alcohol
Concen: 0.089 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 59 Resp: 12206

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



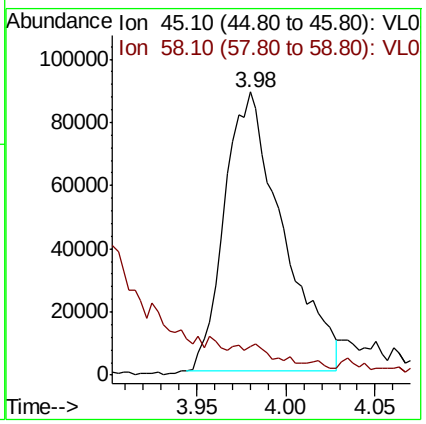


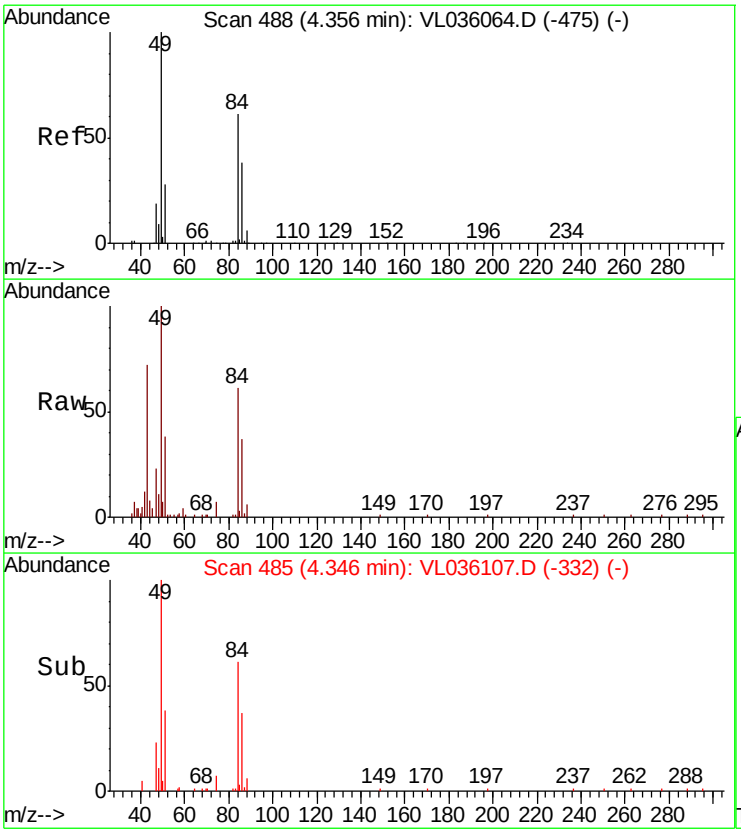
#19
Isopropyl Alcohol
Concen: 2.328 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 45 Resp: 200383

Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

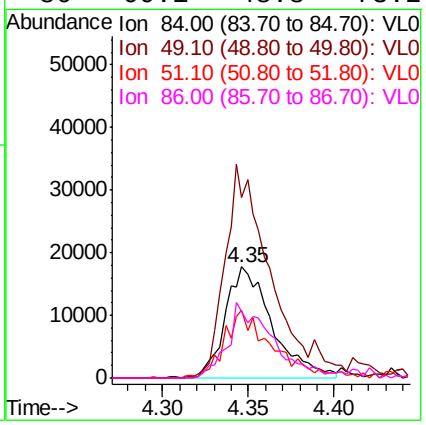


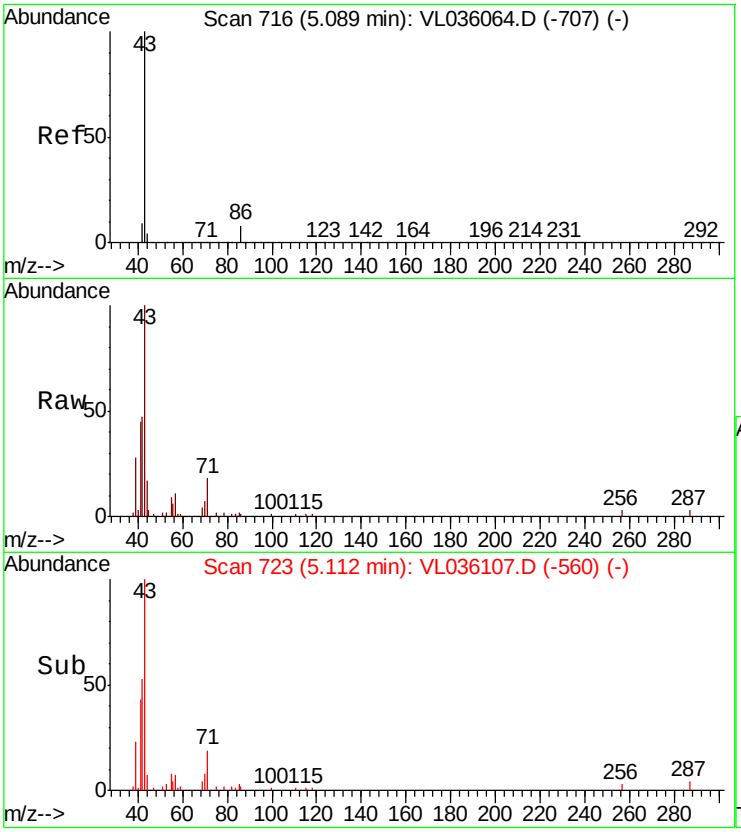


#20
Methylene Chloride
Concen: 0.581 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 84 Resp: 33552

Ion	Ratio	Lower	Upper
84	100		
49	161.7	133.0	199.4
51	59.5	38.9	58.3#
86	60.1	48.8	73.2



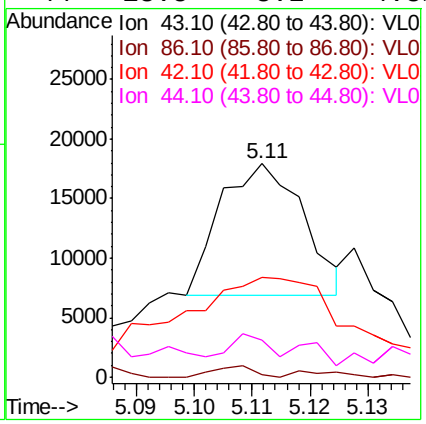


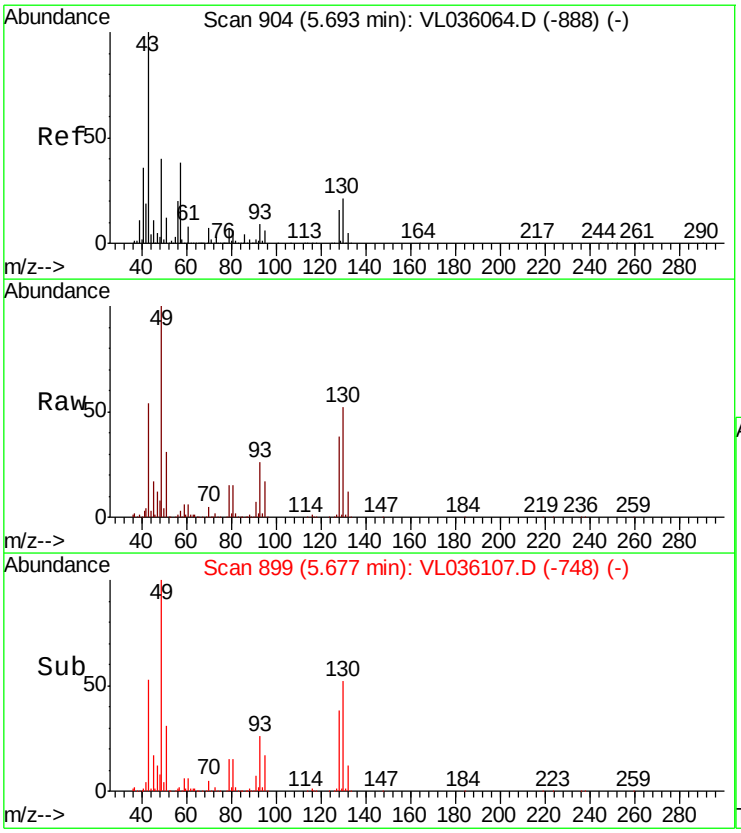
#23
Vinyl Acetate
Concen: 0.059 ppbv
RT: 5.11 min Scan# 723
Delta R.T. 0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 43 Resp: 11044

Ion	Ratio	Lower	Upper
43	100		
86	2.2	5.0	7.4#
42	37.2	7.8	11.6#
44	18.5	3.2	4.8#

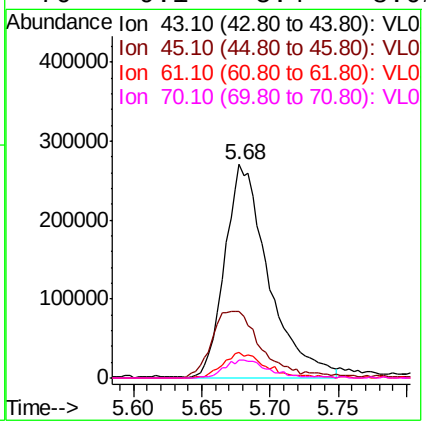


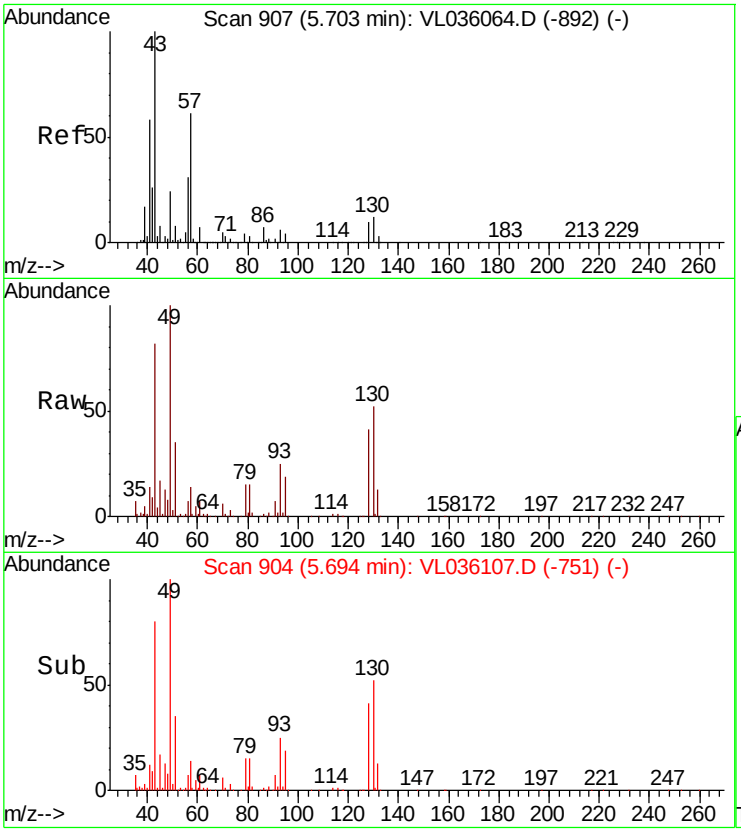


#25
Ethyl Acetate
Concen: 2.129 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 43 Resp: 598832

Ion	Ratio	Lower	Upper
43	100		
45	37.5	8.2	12.4#
61	12.2	7.4	11.2#
70	9.1	5.4	8.0#



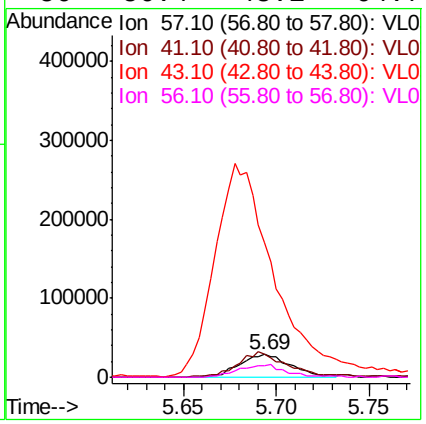


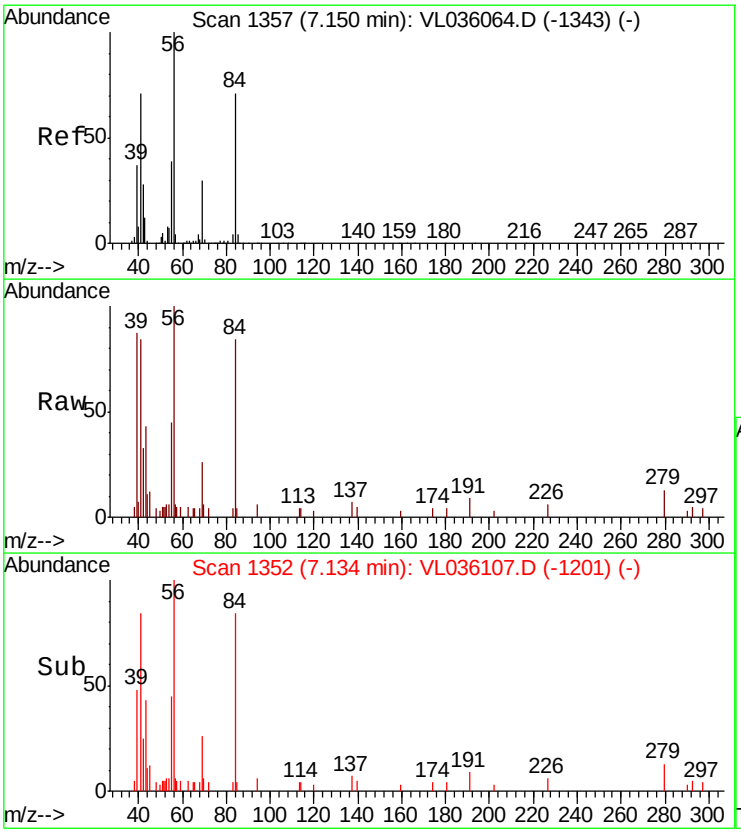
#26
Hexane
Concen: 0.440 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 57 Resp: 55726

Ion	Ratio	Lower	Upper
57	100		
41	115.3	82.9	124.3
43	1119.2	199.9	299.9#
56	56.4	43.1	64.7

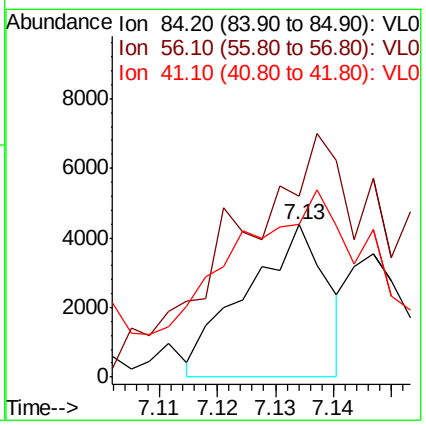


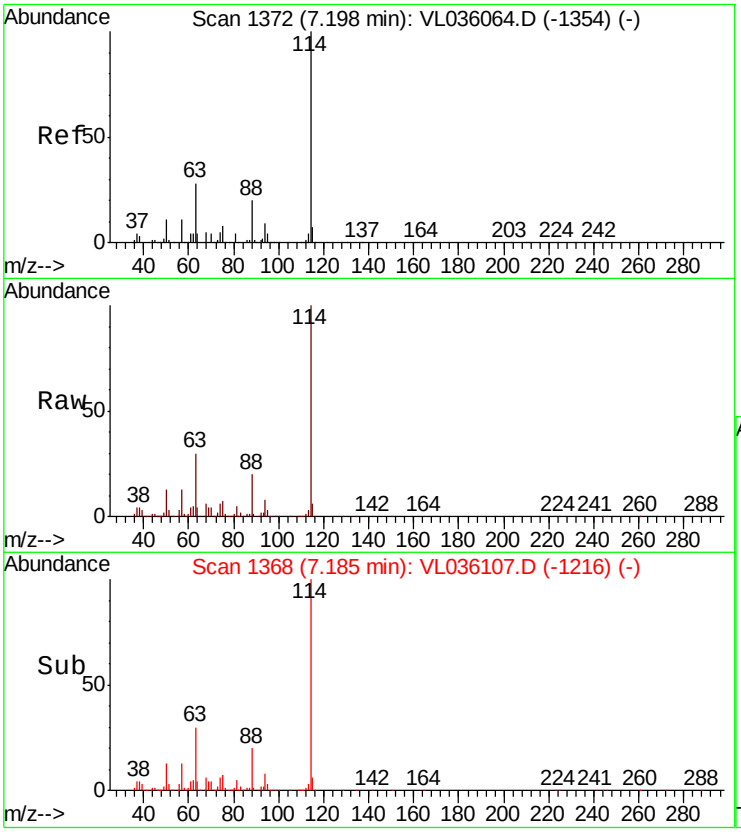


#30
Cyclohexane
Concen: 0.045 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 84 Resp: 4221

Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	338.6	81.3	121.9#



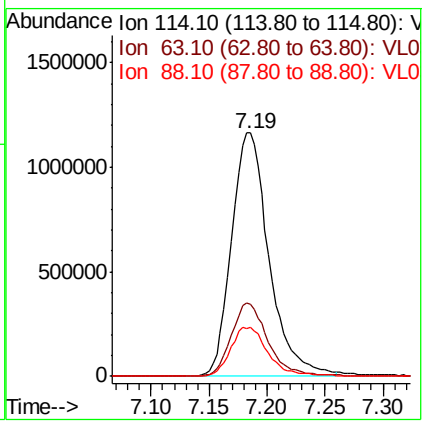


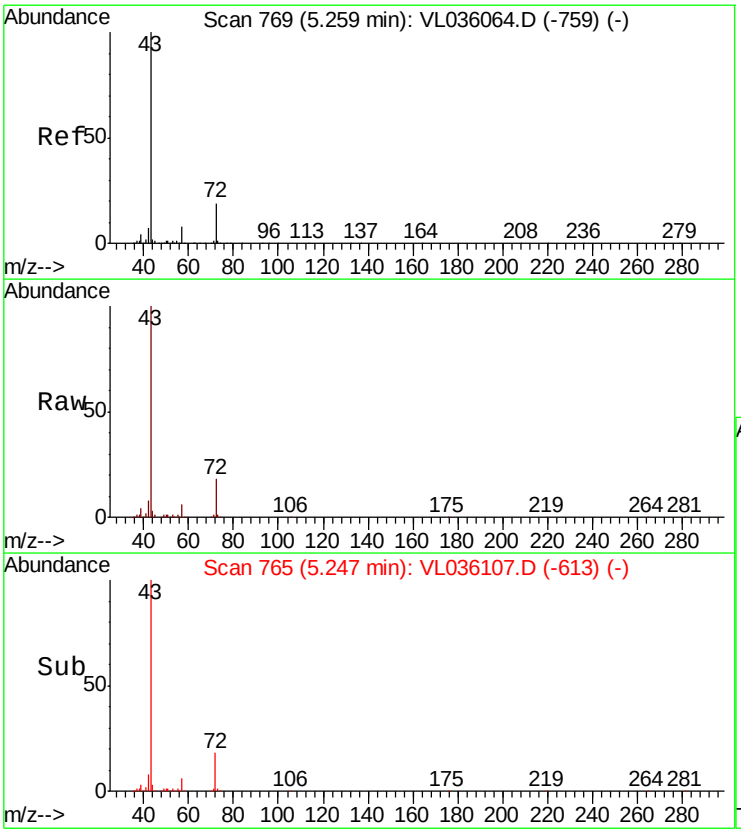
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion:114 Resp: 2609179

Ion	Ratio	Lower	Upper
114	100		
63	29.8	23.6	35.4
88	20.4	15.8	23.6

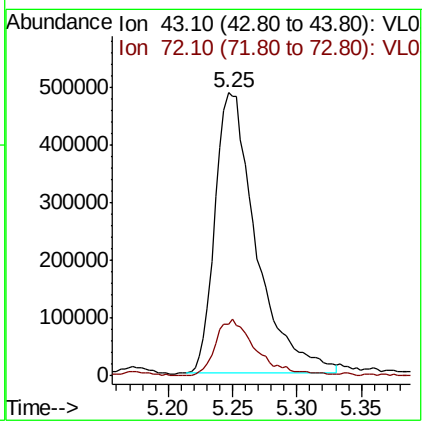


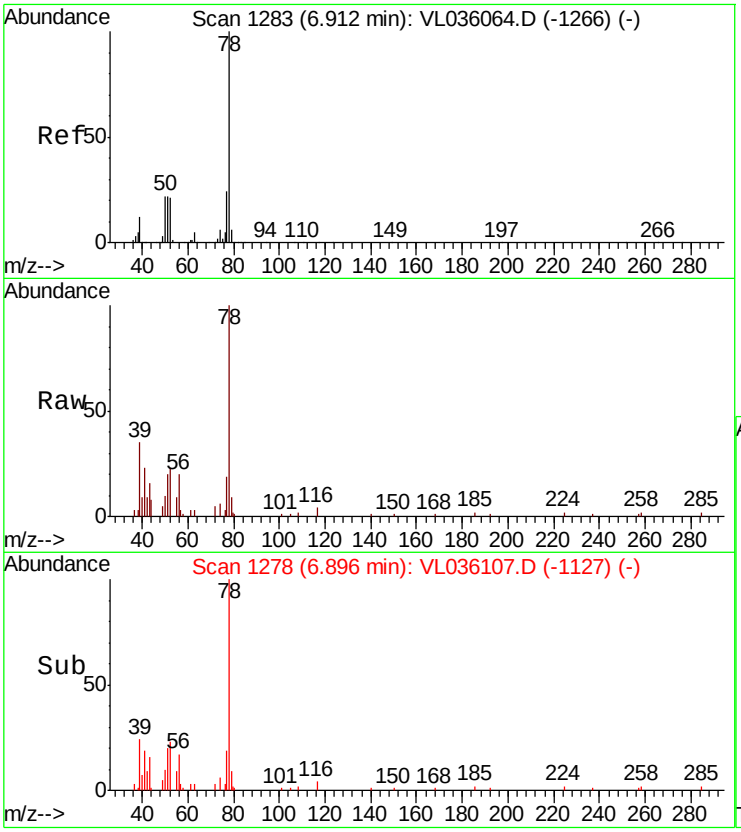


#34
2-Butanone
Concen: 6.274 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 43 Resp: 1085808

Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.5	24.7



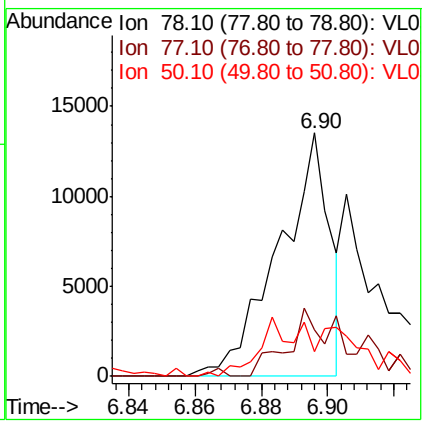


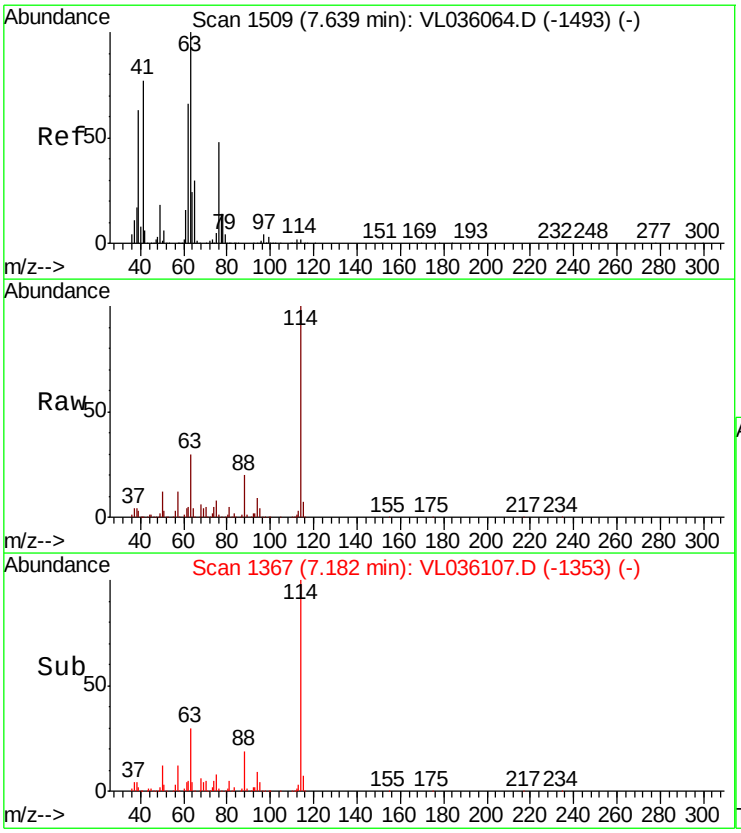
#36
Benzene
Concen: 0.066 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 78 Resp: 14484

Ion	Ratio	Lower	Upper
78	100		
77	19.1	19.4	29.2#
50	10.2	17.8	26.8#

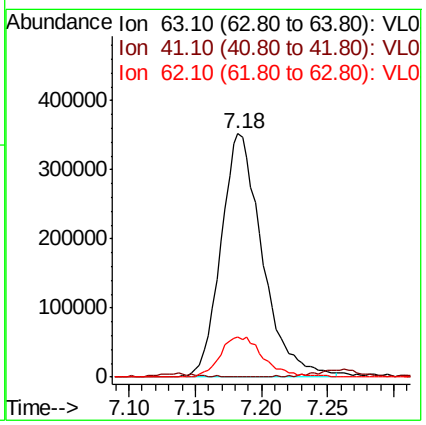


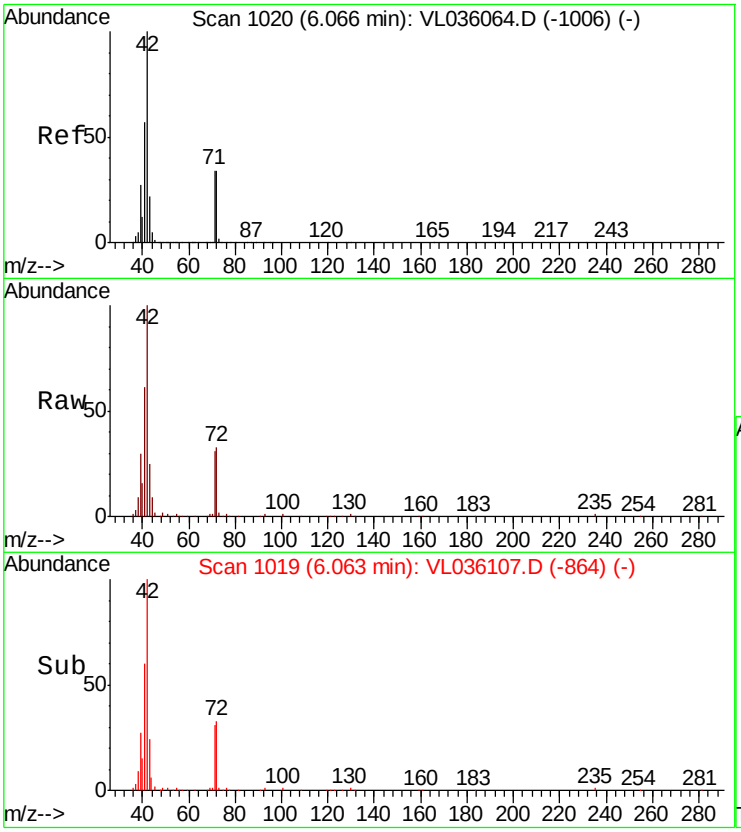


#39
1,2-Dichloropropane
Concen: 8.665 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.46 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 63 Resp: 756653

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	16.2	52.5	78.7#



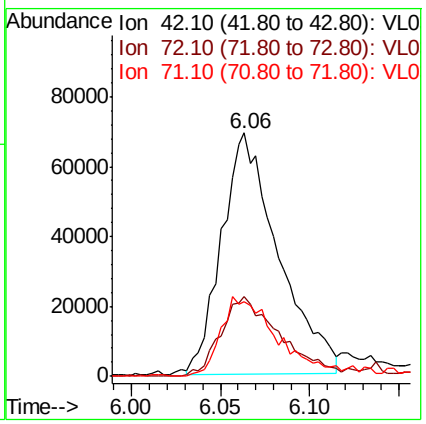


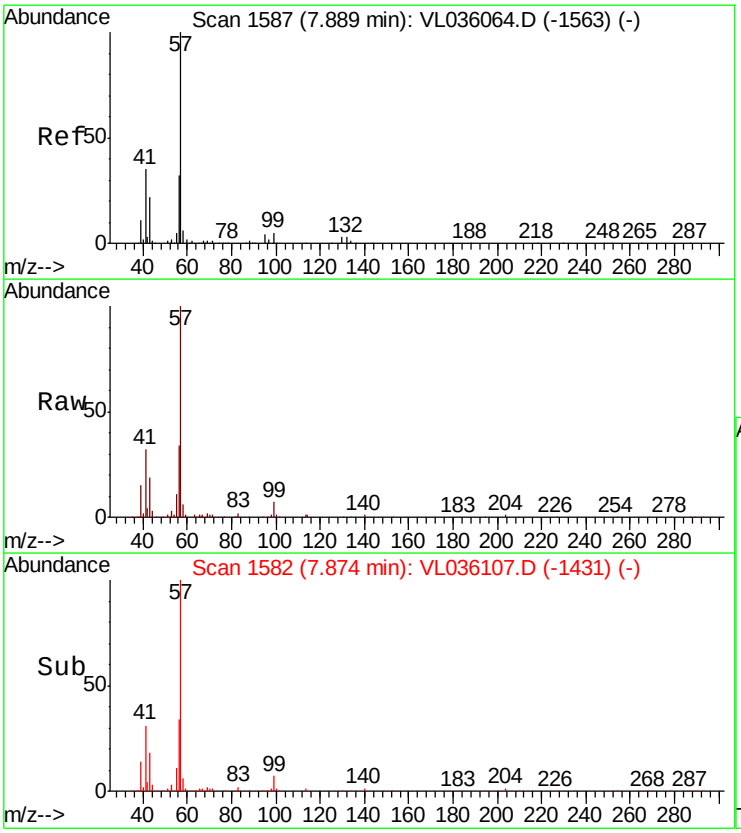
#41
Tetrahydrofuran
Concen: 1.491 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 42 Resp: 153272

Ion	Ratio	Lower	Upper
42	100		
72	36.6	28.3	42.5
71	36.6	27.3	40.9

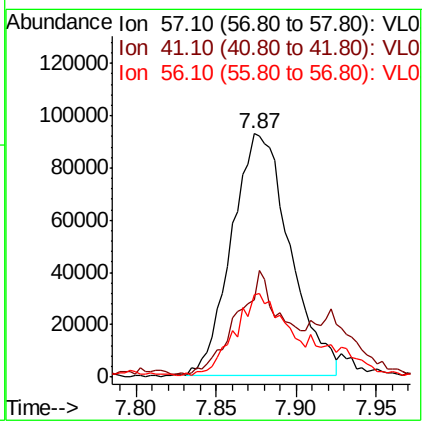


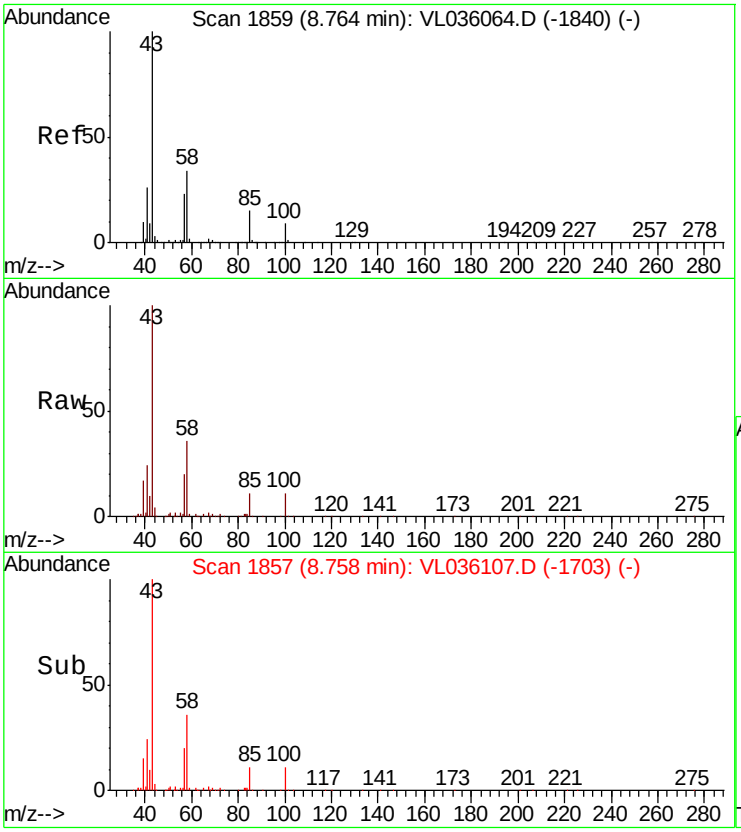


#44
2,2,4-Trimethylpentane
Concen: 0.575 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 57 Resp: 230248

Ion	Ratio	Lower	Upper
57	100		
41	56.7	28.9	43.3#
56	43.6	25.3	37.9#



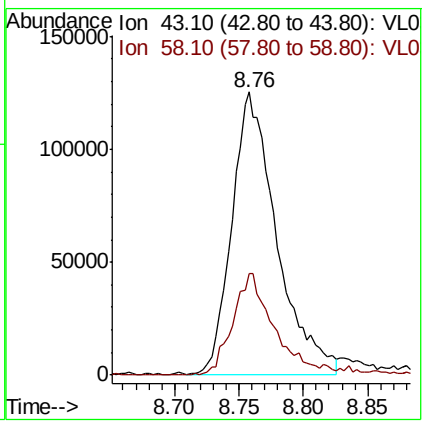


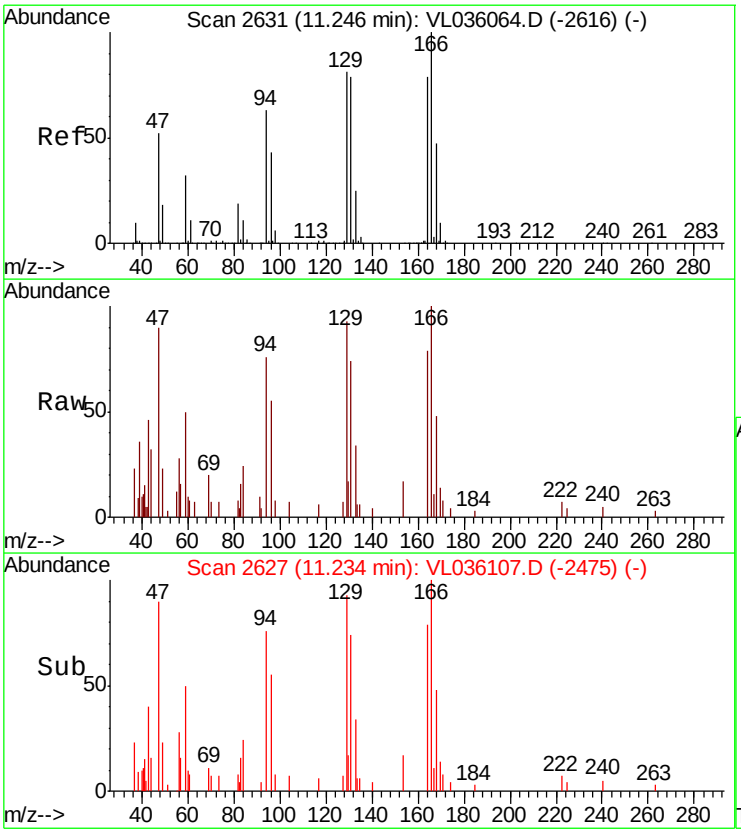
#50
4-Methyl-2-Pentanone
Concen: 1.166 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 43 Resp: 300986

Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.4	41.2

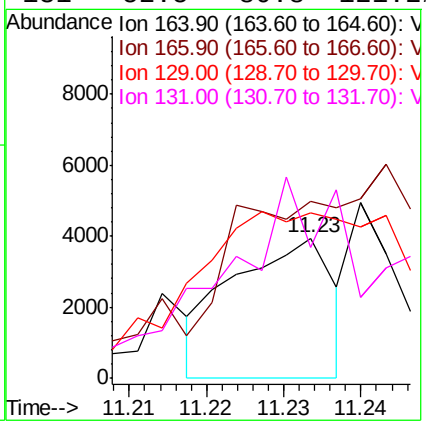


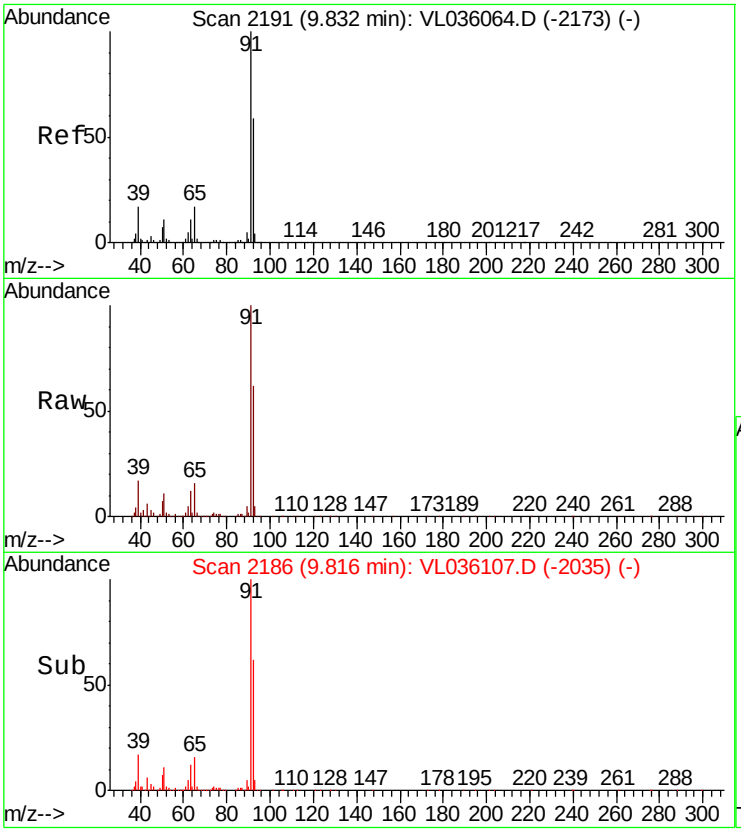


#52
Tetrachloroethene
Concen: 0.044 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion:164 Resp: 3562

Ion	Ratio	Lower	Upper
164	100		
166	170.5	101.9	152.9#
129	89.2	82.1	123.1
131	52.5	80.8	121.2#



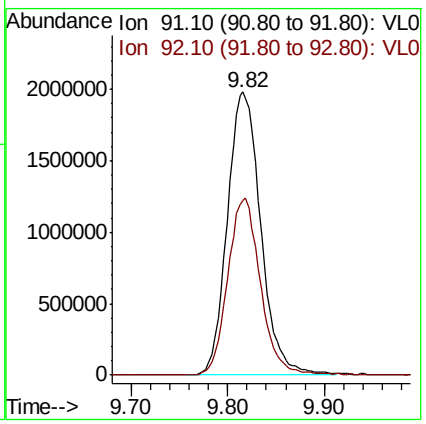


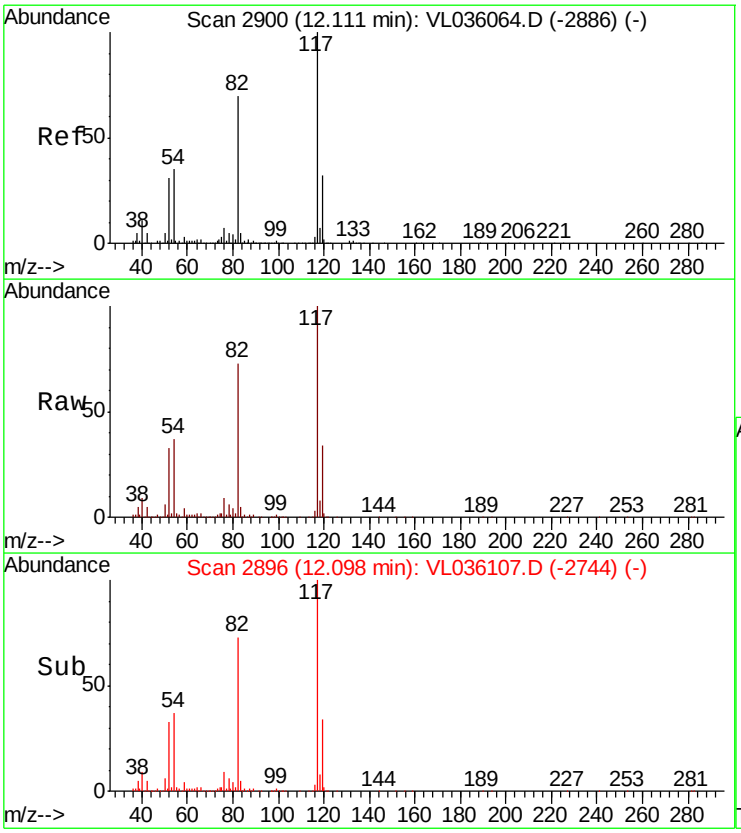
#53
Toluene
Concen: 19.134 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 91 Resp: 4750881

Ion	Ratio	Lower	Upper
91	100		
92	61.7	48.2	72.2

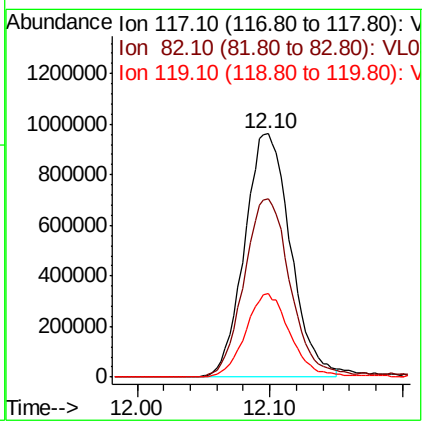


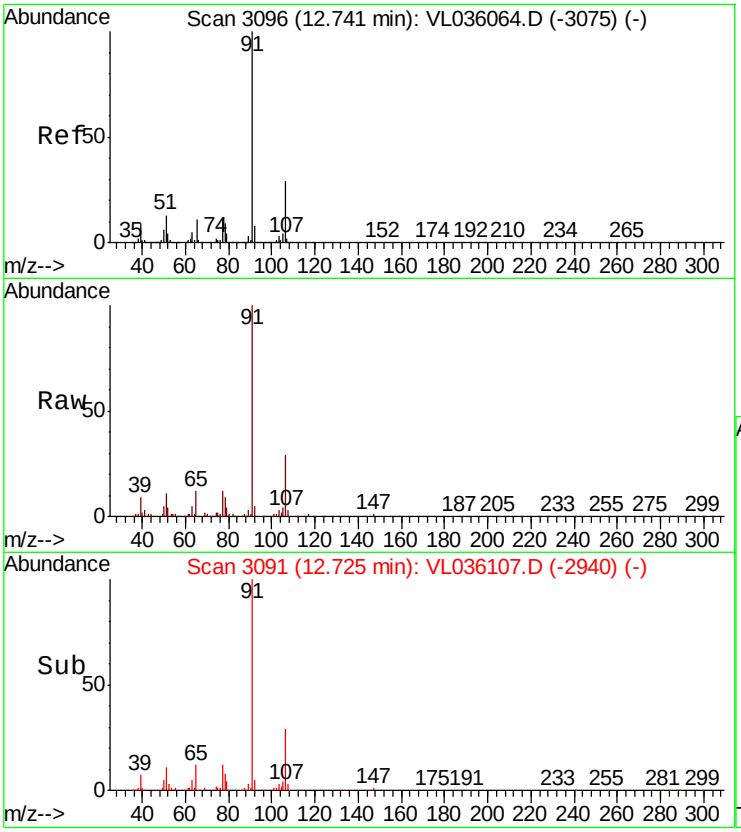


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion:117 Resp: 2317308

Ion	Ratio	Lower	Upper
117	100		
82	75.9	0.0	0.0#
119	33.8	0.0	0.0#



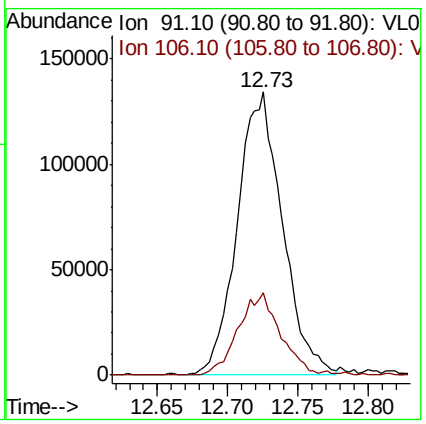


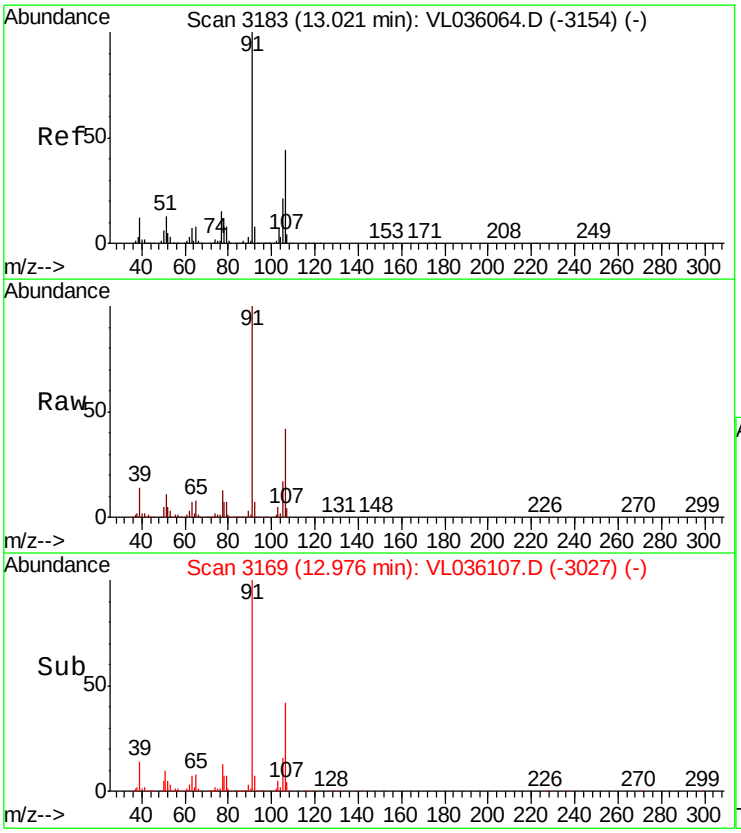
#58
Ethyl Benzene
Concen: 0.947 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 91 Resp: 300663

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.0	34.4

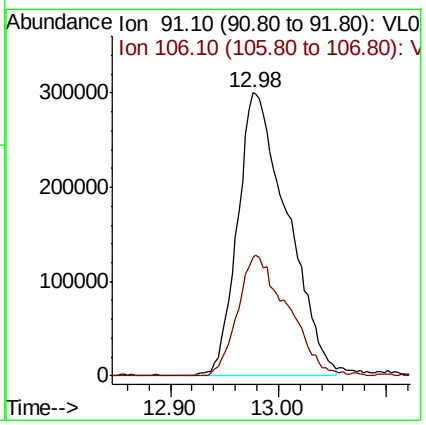


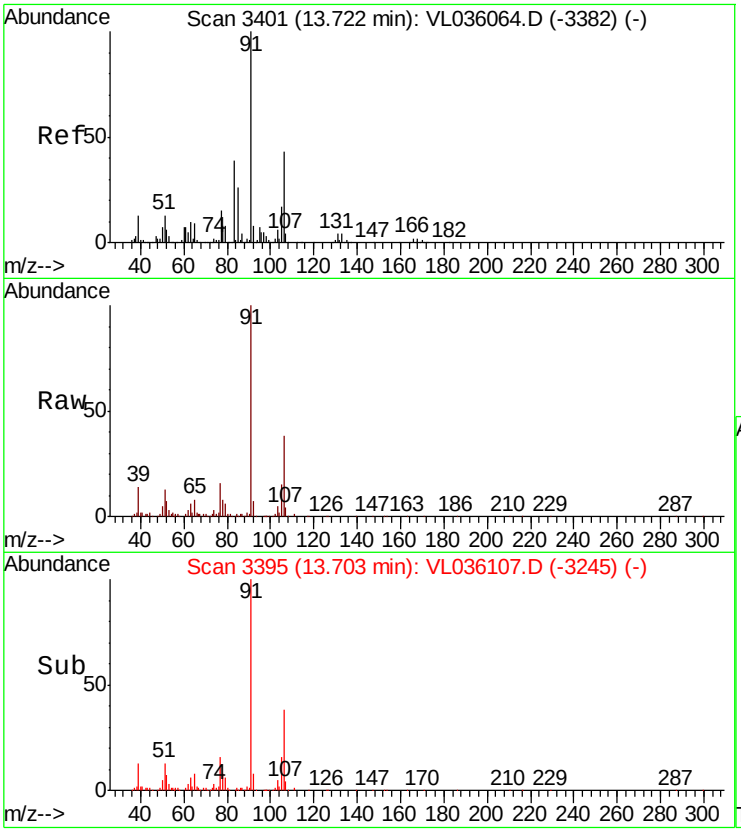


#59
m/p-Xylene
Concen: 3.599 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.04 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion: 91 Resp: 962654

Ion	Ratio	Lower	Upper
91	100		
106	43.0	33.6	50.4



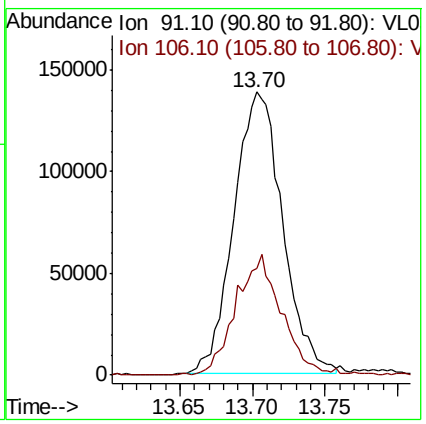


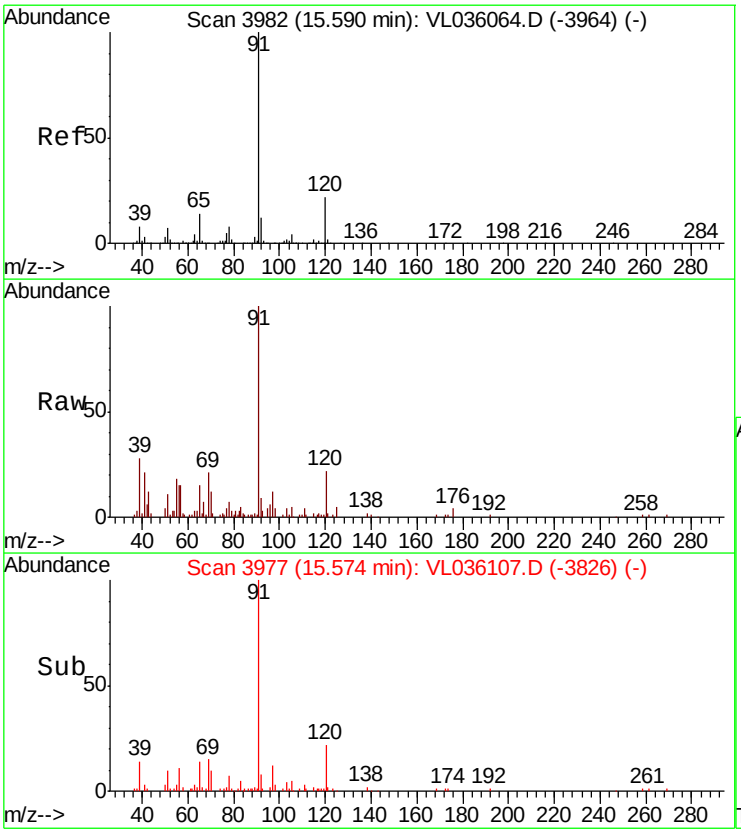
#60
o-Xylene
Concen: 1.279 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 91 Resp: 322196

Ion	Ratio	Lower	Upper
91	100		
106	41.0	21.6	64.6

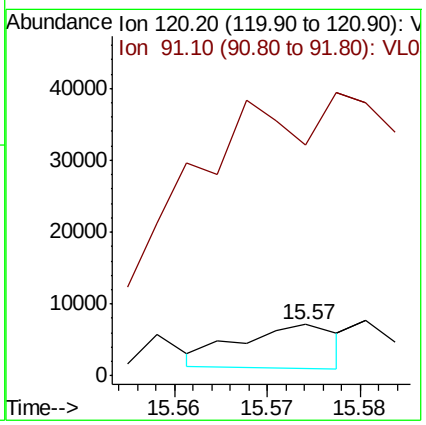


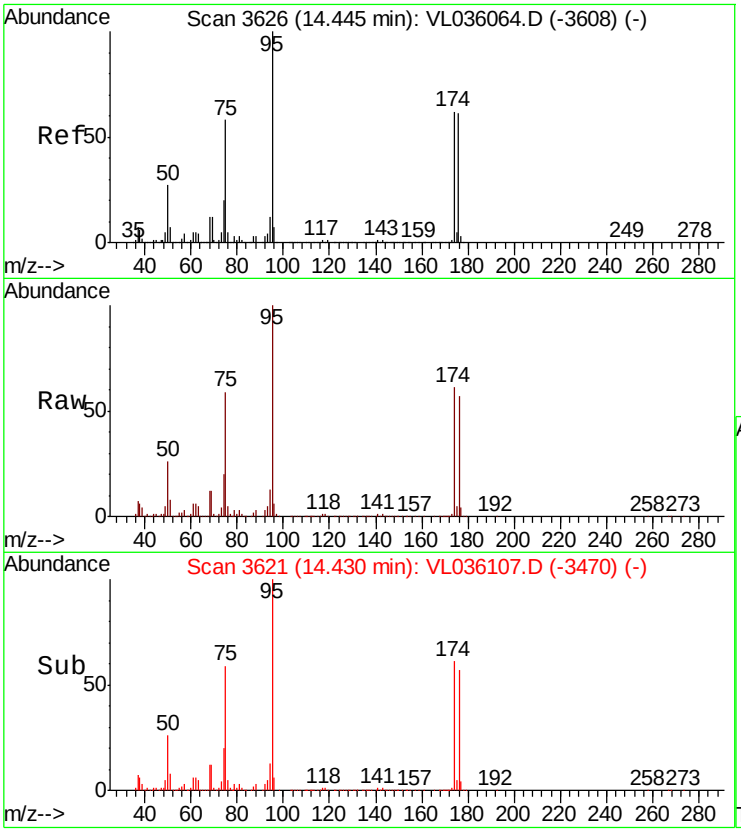


#64
n-propylbenzene
Concen: 0.050 ppbv
RT: 15.57 min Scan# 3977
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion:120 Resp: 4492

Ion	Ratio	Lower	Upper
120	100		
91	0.0	388.9	583.3#



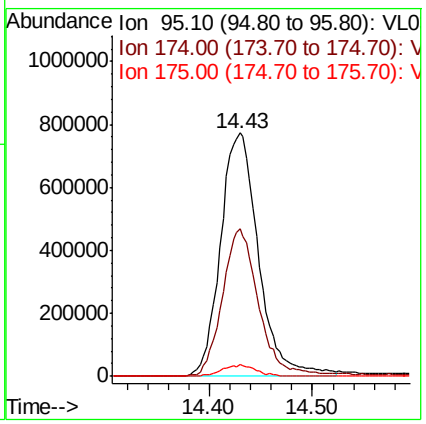


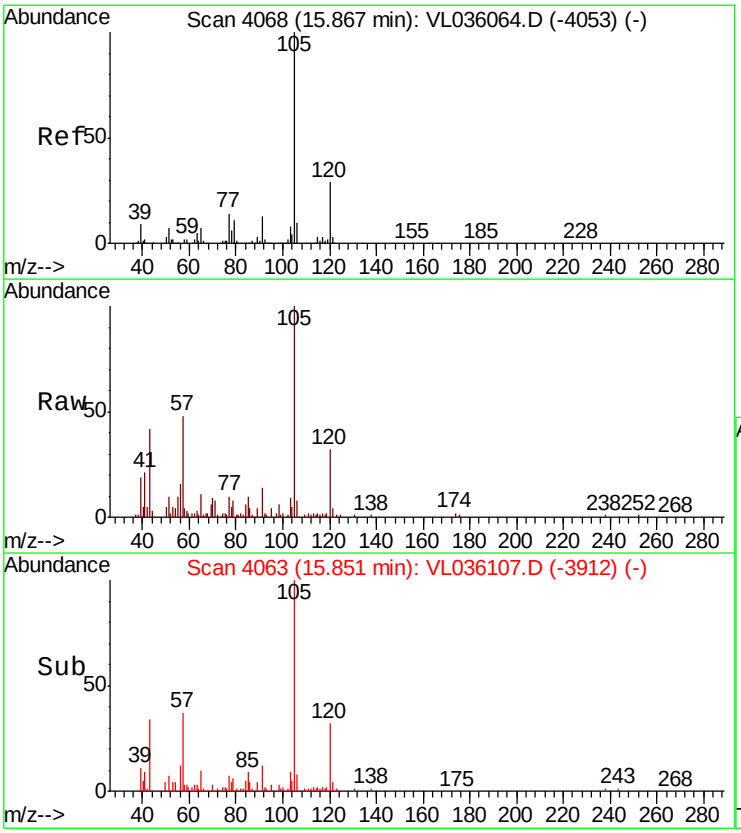
#68
1-Bromo-4-Fluorobenzene
Concen: 10.684 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion: 95 Resp: 1965927

Ion	Ratio	Lower	Upper
95	100		
174	58.7	50.7	76.1
175	4.4	4.0	6.0

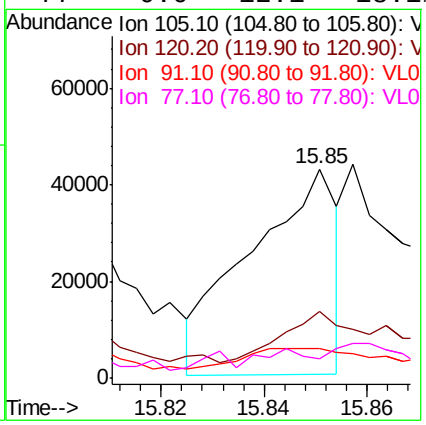


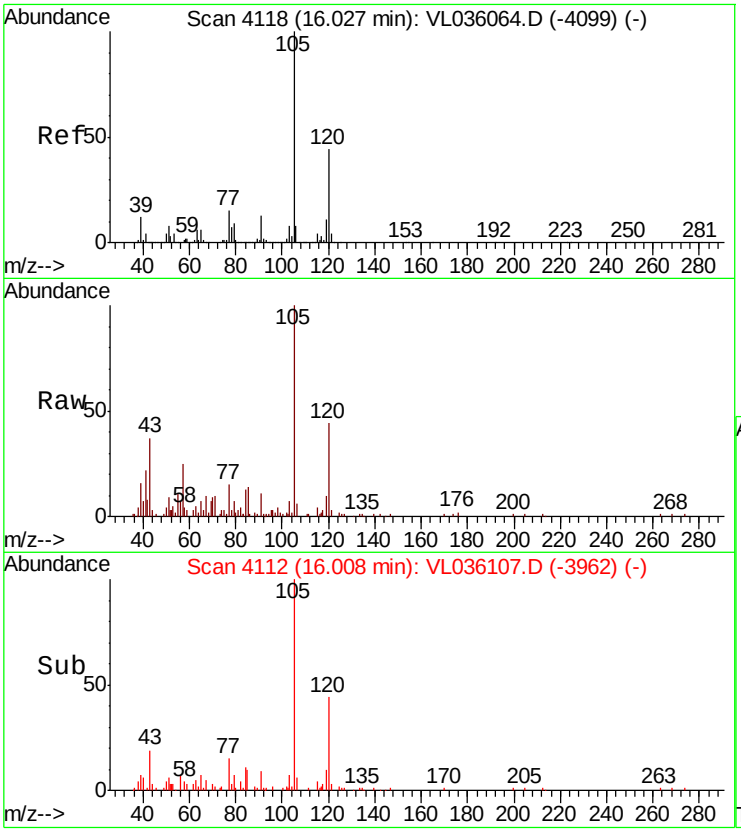


#72
4-Ethyltoluene
Concen: 0.183 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion:105 Resp: 49885

Ion	Ratio	Lower	Upper
105	100		
120	53.5	23.6	35.4#
91	27.5	11.4	17.0#
77	0.0	12.1	18.1#



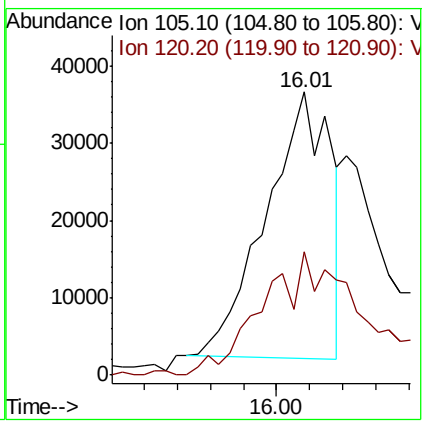


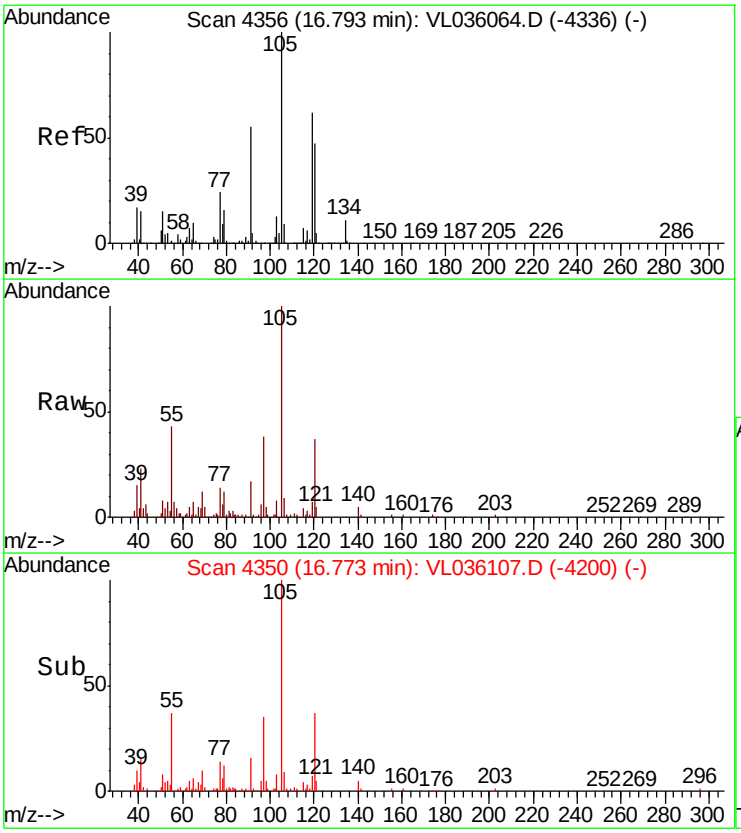
#73
1,3,5-Trimethylbenzene
Concen: 0.179 ppbv
RT: 16.01 min Scan# 4112
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Instrument : MSVOA_L
ClientSampleId : IA-4DL

Tgt Ion:105 Resp: 46658

Ion	Ratio	Lower	Upper
105	100		
120	47.0	35.4	53.2





#74
1,2,4-Trimethylbenzene
Concen: 0.428 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.02 min
Lab File: VL036107.D
Acq: 8 Dec 2020 23:05

Tgt Ion:105 Resp: 111932

Ion	Ratio	Lower	Upper
105	100		
120	36.5	37.4	56.0#
91	16.0	45.6	68.4#
77	13.1	19.4	29.2#