Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

Quantitation Report (Not Reviewed)

Data File : VL034140.D
Acq On : 10 Sep 2019 12:10
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1011219	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1849324	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2333199	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1567752	8.22	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1554664	9.321	ppbv	98
3) Chlorodifluoromethane	2.98	51	1127037	9.999	ppbv	100
4) Chloromethane	3.13	50	622403	8.832	ppbv	99
5) Vinyl Chloride	3.25	62	560009	8.724	ppbv	96
6) Bromomethane	3.47	94	289448	9.137	ppbv	99
7) Chloroethane	3.56	64	204644	9.357	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1189228	8.858	ppbv	98
9) Propene	3.00	41	553752	8.780	ppbv	98
10) Heptane	8.18	43	1471176	8.989	ppbv	100
11) Trichlorofluoromethane	3.96	101	1225151	9.007	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	815573	8.962	ppbv	99
13) Ethanol	3.61	45	108154	8.754	ppbv	98
14) Bromoethene	3.74	108	347446	8.819	ppbv	99
15) Acetone	3.85	43	1039321	8.528	ppbv	100
16) 1,3-Butadiene	3.32	39	560391	9.080	ppbv	100
17) tert-Butyl alcohol	4.31	59	758883	8.578	ppbv	99
18) 1,1-Dichloroethene	4.30	96	373117	8.974	ppbv	93
19) Isopropyl Alcohol	3.98	45	671269	8.160	ppbv	100
20) Methylene Chloride	4.36	84	332783	8.259	ppbv	97
21) Allyl Chloride	4.43	41	733202	9.126	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	368886	8.864	ppbv	99
23) Vinyl Acetate	5.10	43	1895729	9.168	ppbv	98
24) 1,1-Dichloroethane	5.04	63	1234279	8.994	ppbv	99
25) Ethyl Acetate	5.71	43	2211378	8.266	ppbv	99
26) Hexane	5.72	57	971687	8.170	ppbv	97
27) Carbon Disulfide	4.56	76	1010291	9.412	ppbv	98
28) Methyl tert-Butyl Ether	5.06	73	1552759	8.910	ppbv	99
29) Chloroform	5.79	83	1424257	8.878	ppbv	98
30) Cyclohexane	7.19	84	763887	8.884	ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	1042334	9.151	ppbv	96
32) 1,1,1-Trichloroethane	6.56	97	1351863	8.919	ppbv	98
34) 2-Butanone	5.28	43	1617915	9.100	ppbv	99
35) Carbon Tetrachloride	7.07	117	1291036	8.954	ppbv	99
36) Benzene	6.94	78	1866878	8.832	ppbv	96
37) 1,2-Dichloroethane	6.35	62	1212348	9.349	ppbv	98
38) Trichloroethene	7.89	130	598931	7.593	ppbv	94
39) 1,2-Dichloropropane	7.67	63	820918	9.075	ppbv	92
40) 1,4-Dioxane	7.89	88	249643	7.509	ppbv #	99
41) Tetrahydrofuran	6.09	42	987292	9.263	ppbv	98
42) Bromodichloromethane	7.85	83	1557682	9.217	ppbv	98
43) Methyl Methacrylate	8.07	69	807053	9.268	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

Quantitation Report (Not Reviewed)

Data File : VL034140.D
Acq On : 10 Sep 2019 12:10
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3378973	8.670	ppbv		100
45) t-1,3-Dichloropropene	9.35	75	984545	9.619	ppbv		99
46) cis-1,3-Dichloropropene	8.77	75	1149394	9.231	ppbv		96
47) 1,1,2-Trichloroethane	9.55	97	743739	9.024	ppbv		97
48) Dibromochloromethane	10.38	129	1181309	9.606	ppbv		99
49) Bromoform	13.13	173	998729	9.263	ppbv		98
50) 4-Methyl-2-Pentanone	8.80	43	2403362	8.859	ppbv		98
51) 2-Hexanone	10.20	43	2054424	8.766	ppbv	#	99
52) Tetrachloroethene	11.30	164	591987	7.942	ppbv		98
53) Toluene	9.88	91	2094574	8.959	ppbv		99
54) 1,2-Dibromoethane	10.69	107	1132871	9.227	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.21	131	773244	7.727	ppbv	#	60
57) Chlorobenzene	12.23	112	1445345	7.201	ppbv		99
58) Ethyl Benzene	12.80	91	2832130	7.402	ppbv		98
59) m/p-Xylene	13.08	91	2238947	7.174	ppbv	#	30
60) o-Xylene	13.78	91	2258194	7.264	ppbv		98
61) Styrene	13.62	104	1686246	7.252	ppbv		99
62) Isopropylbenzene	14.75	105	2994152	7.403	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1644157	6.490	ppbv		99
64) n-propylbenzene	15.65	120	779767	7.696	ppbv		97
65) tert-Butylbenzene	16.84	119	2497845	7.156	ppbv		99
66) Benzyl Chloride	17.09	91	1032251	8.021	ppbv		97
67) sec-Butylbenzene	17.39	105	3675234	7.322	ppbv		99
69) p-Isopropyltoluene	17.74	119	2958273	7.366	ppbv		100
70) n-Butylbenzene	18.64	91	3389718	7.418	ppbv		99
71) 2-Chlorotoluene	15.55	91	2472047	7.482	ppbv		100
72) 4-Ethyltoluene	15.93	105	2606039	7.430	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	2500813	7.336	ppbv		98
74) 1,2,4-Trimethylbenzene	16.86	105	2463297	7.018	ppbv		96
75) 1,3-Dichlorobenzene	17.09	146	1314090	7.066	ppbv		99
76) 1,4-Dichlorobenzene	17.24	146	1356681	6.960	ppbv		99
77) 1,2-Dichlorobenzene	17.92	146	1362285	7.155	ppbv		100
78) Hexachloro-1,3-Butadiene	23.47	225	1065101	8.199	ppbv		100
79) Naphthalene	22.32	128	2404944	7.579	ppbv		98
80) Naphthalene,2-methyl-	25.06	142	883594	8.022	ppbv		99
81) 1,2,4-Trichlorobenzene	22.05	180	1211209	7.015	ppbv		99

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

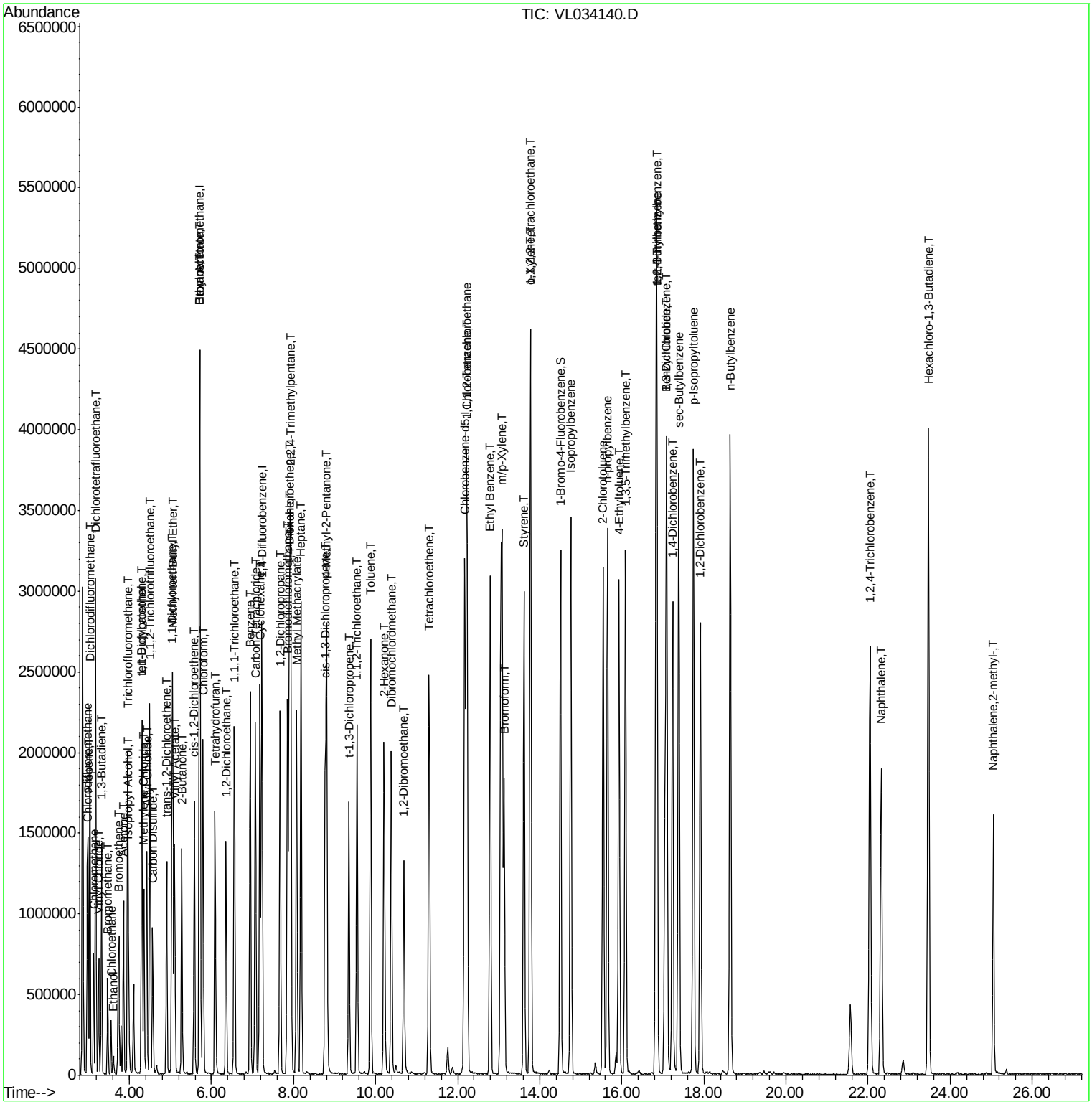
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\

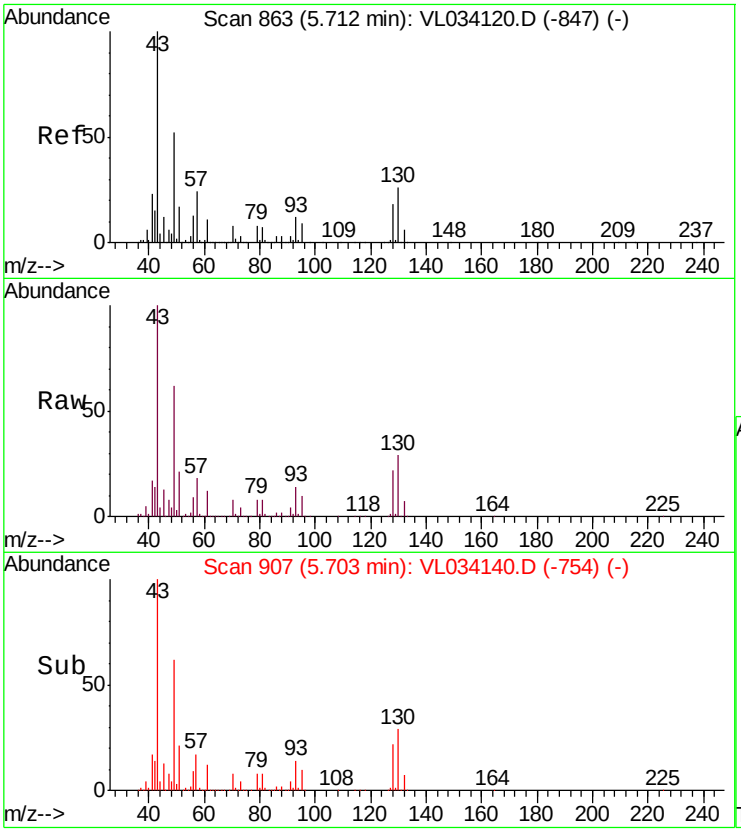
Quantitation Report (Not Reviewed)

Data File : VL034140.D
Acq On : 10 Sep 2019 12:10
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration



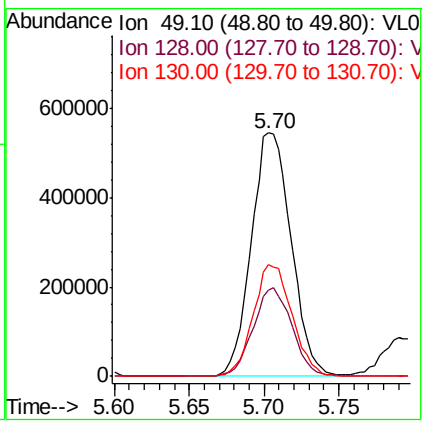


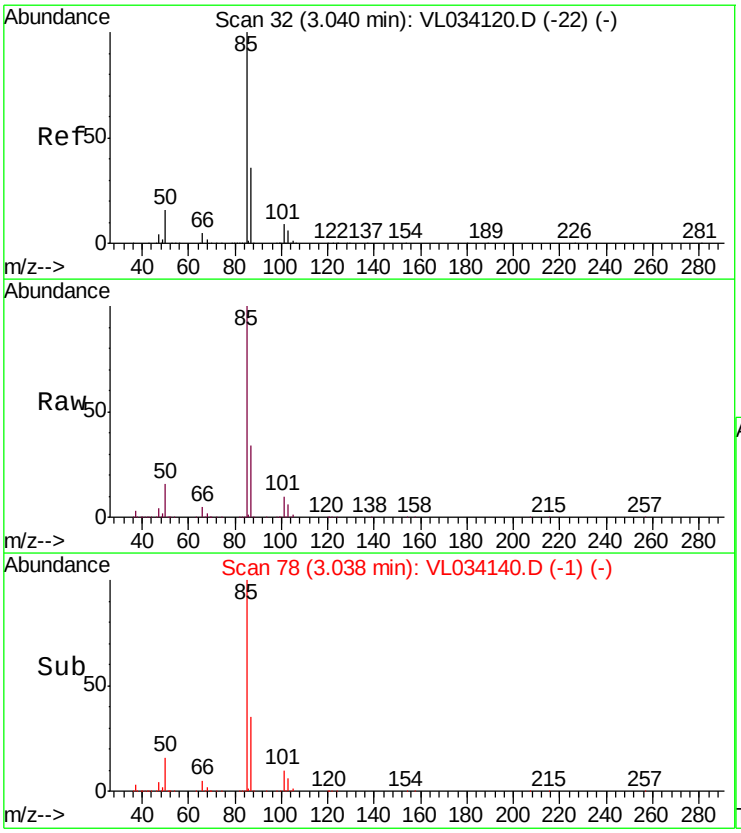
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 49 Resp: 1011219

Ion	Ratio	Lower	Upper
49	100		
128	35.5	18.4	55.0
130	45.0	23.5	70.6

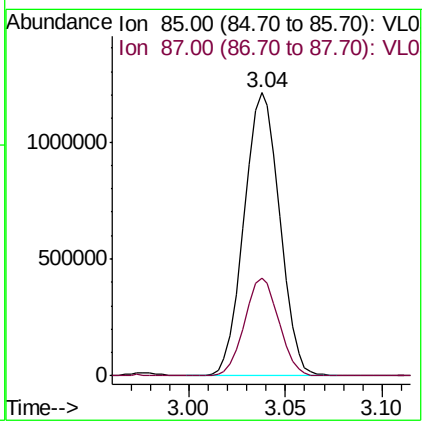


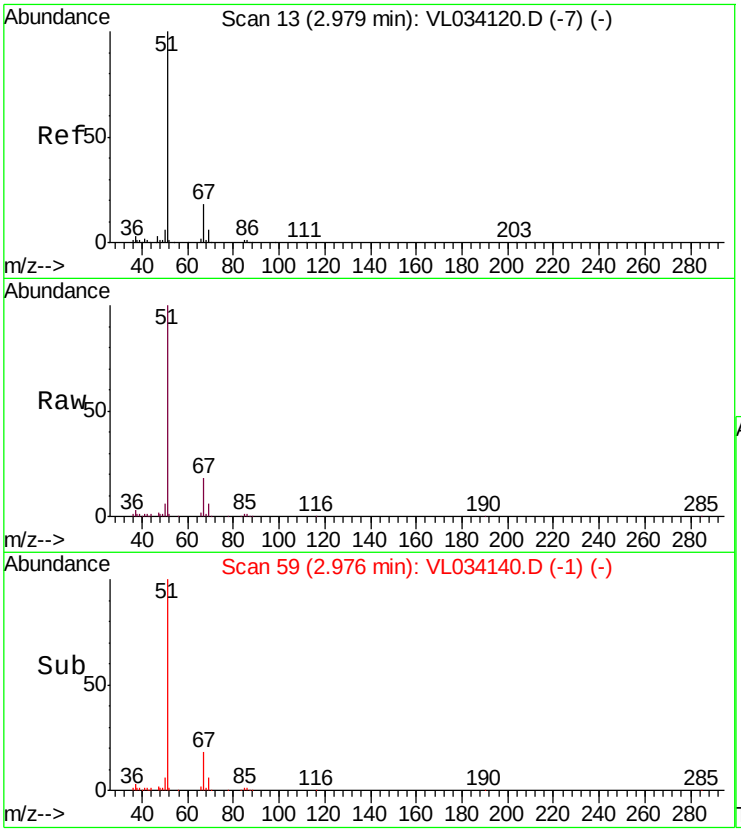


#2
Dichlorodifluoromethane
Concen: 9.321 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 85 Resp: 1554664

Ion	Ratio	Lower	Upper
85	100		
87	34.5	28.6	43.0



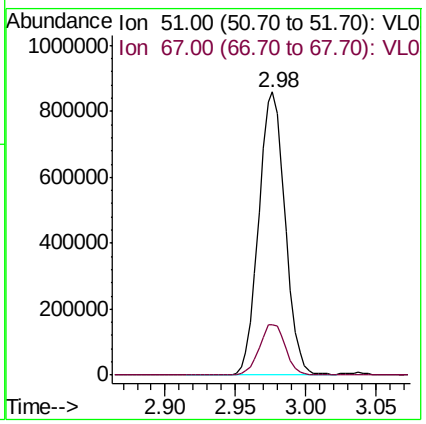


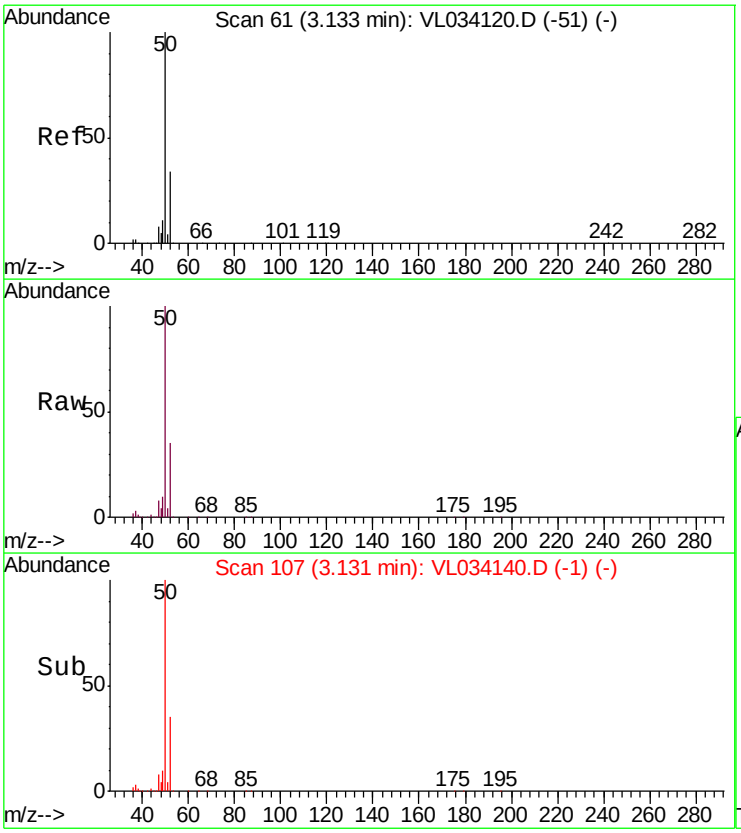
#3
Chlorodifluoromethane
Concen: 9.999 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 51 Resp: 1127037

Ion	Ratio	Lower	Upper
51	100		
67	17.9	14.2	21.4

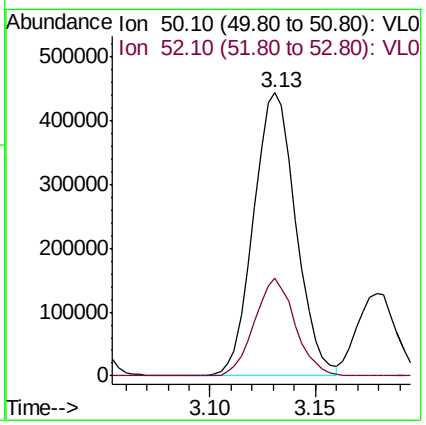


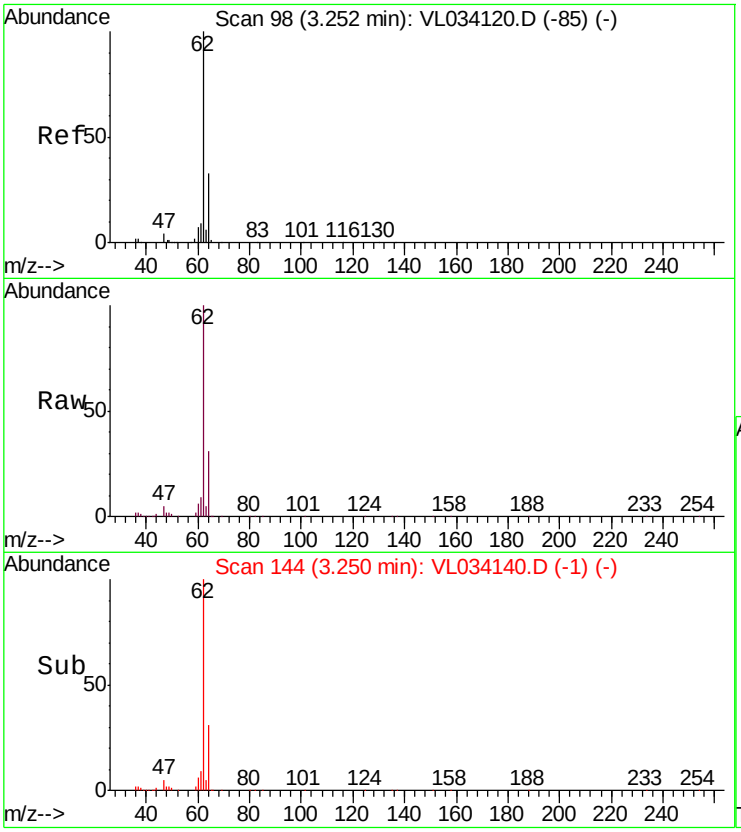


#4
Chloromethane
Concen: 8.832 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 50 Resp: 622403

Ion	Ratio	Lower	Upper
50	100		
52	34.6	27.4	41.2



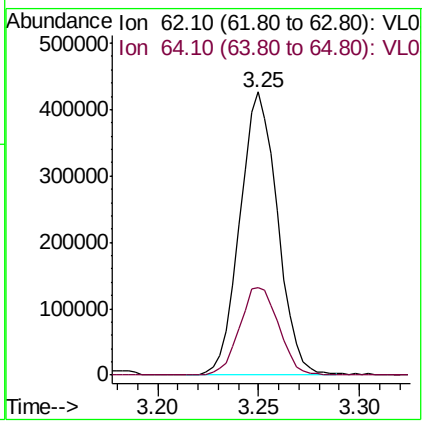


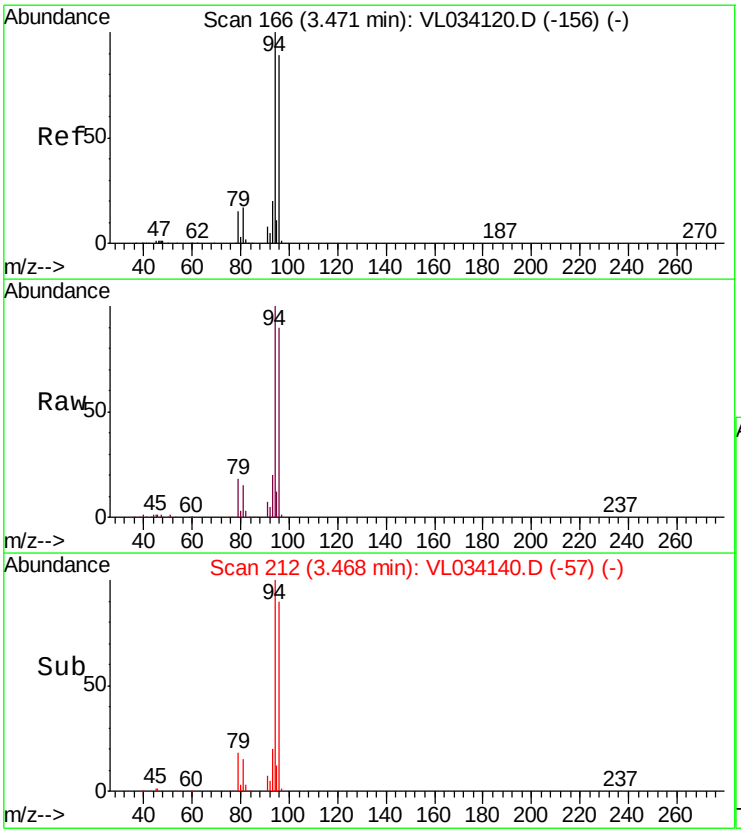
#5
Vinyl Chloride
Concen: 8.724 ppbv
RT: 3.25 min Scan# 144
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 62 Resp: 560009

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.6	39.8

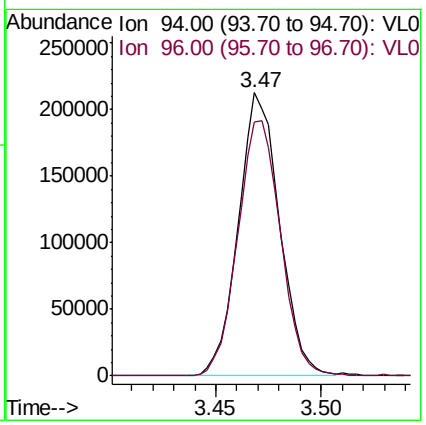


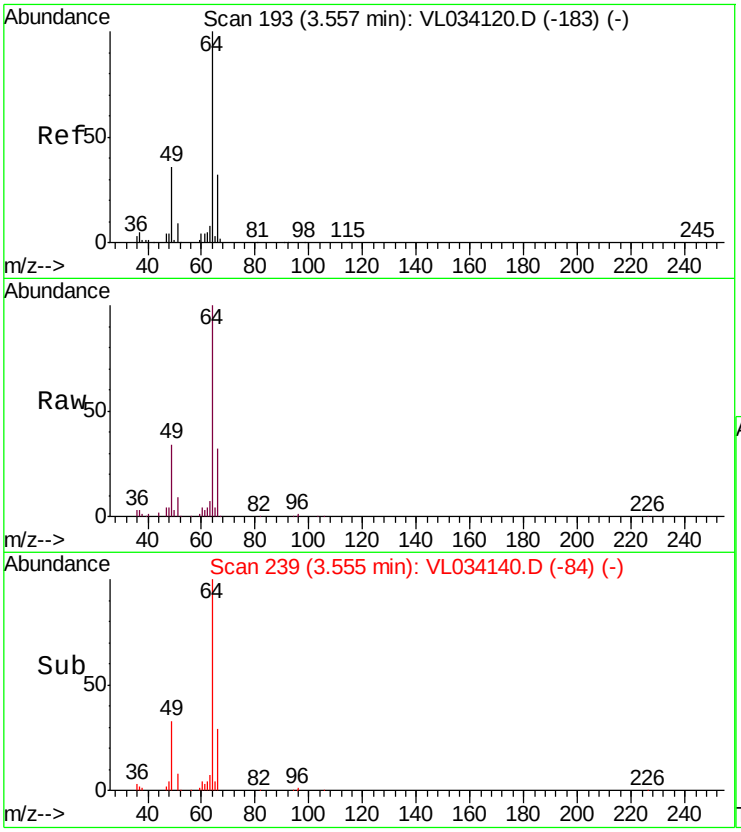


#6
Bromomethane
Concen: 9.137 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 94 Resp: 289448

Ion	Ratio	Lower	Upper
94	100		
96	89.8	71.4	107.0



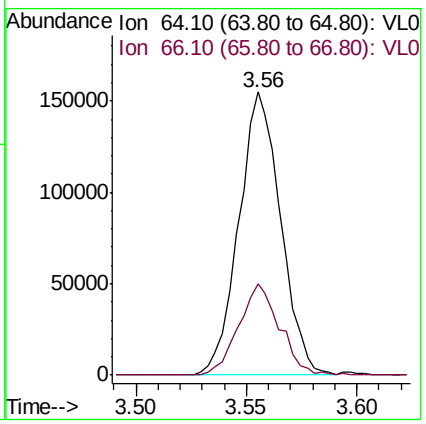


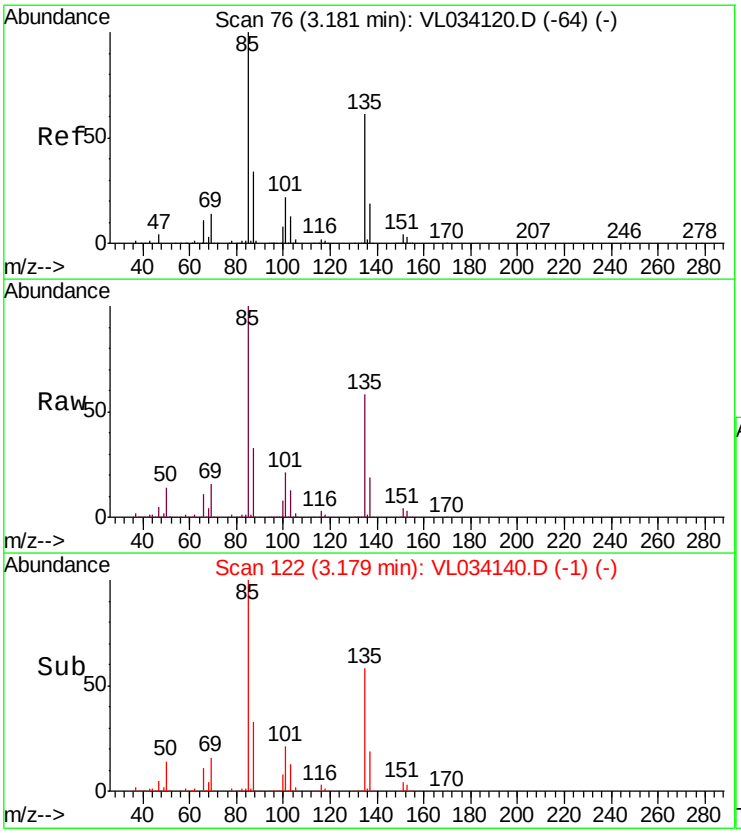
#7
Chloroethane
Concen: 9.357 ppbv
RT: 3.56 min Scan# 239
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 64 Resp: 204644

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.2

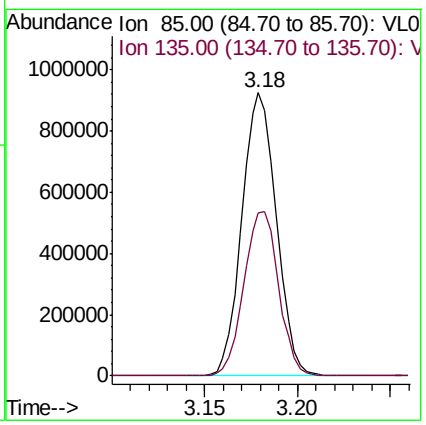


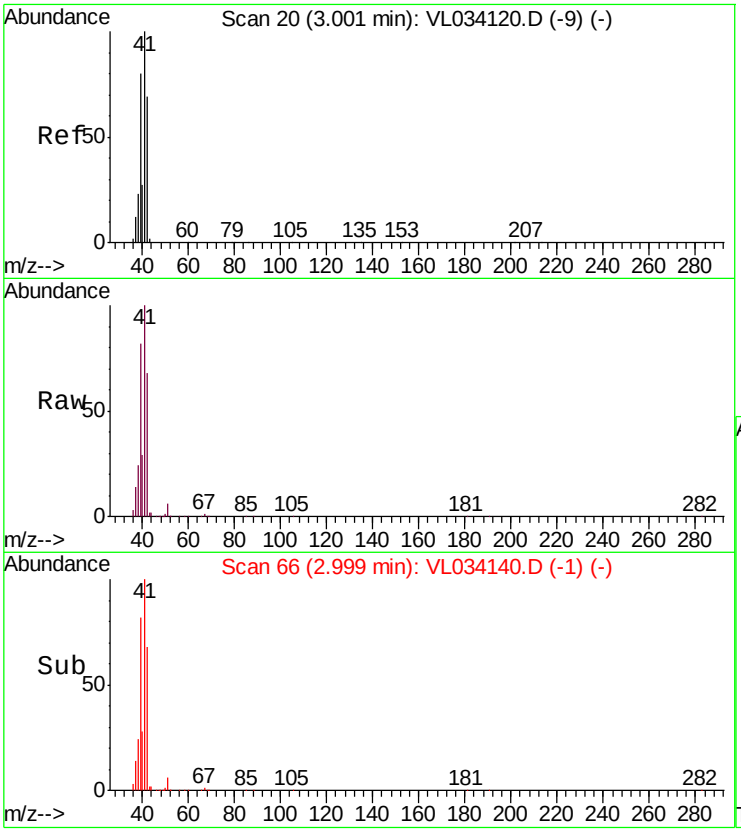


#8
Dichlorotetrafluoroethane
Concen: 8.858 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 85 Resp: 1189228

Ion	Ratio	Lower	Upper
85	100		
135	58.6	48.0	72.0



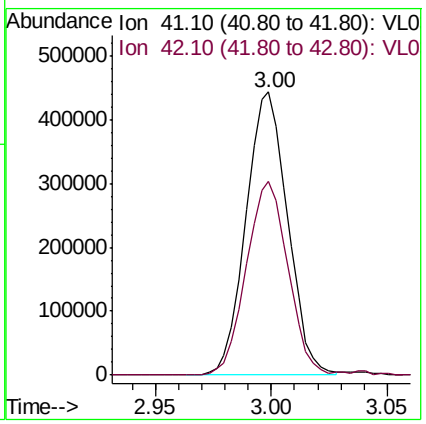


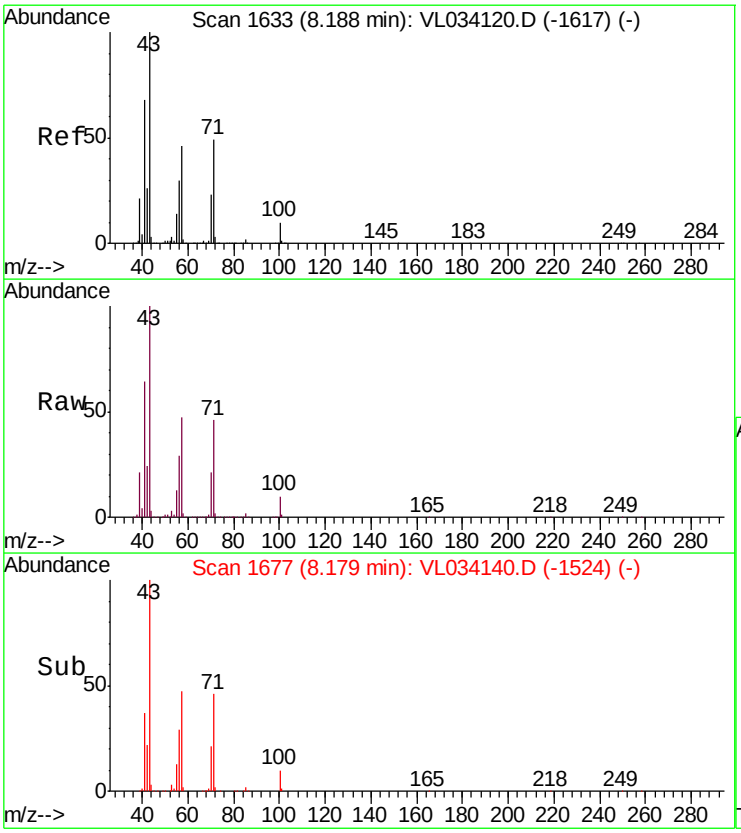
#9
Propene
Concen: 8.780 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 41 Resp: 553752

Ion	Ratio	Lower	Upper
41	100		
42	70.0	54.6	81.8

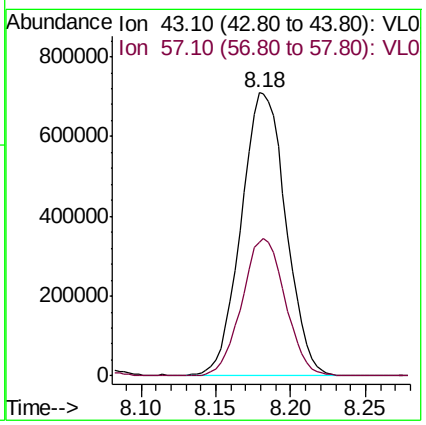


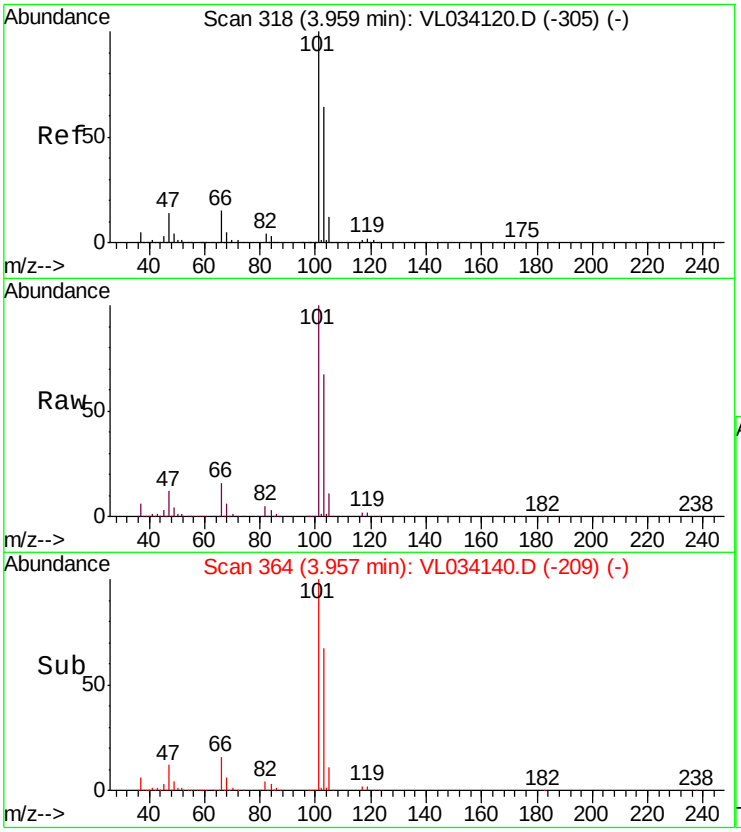


#10
Heptane
Concen: 8.989 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 43 Resp: 1471176

Ion	Ratio	Lower	Upper
43	100		
57	47.5	38.1	57.1



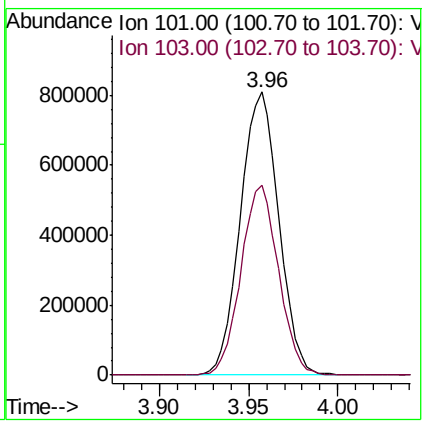


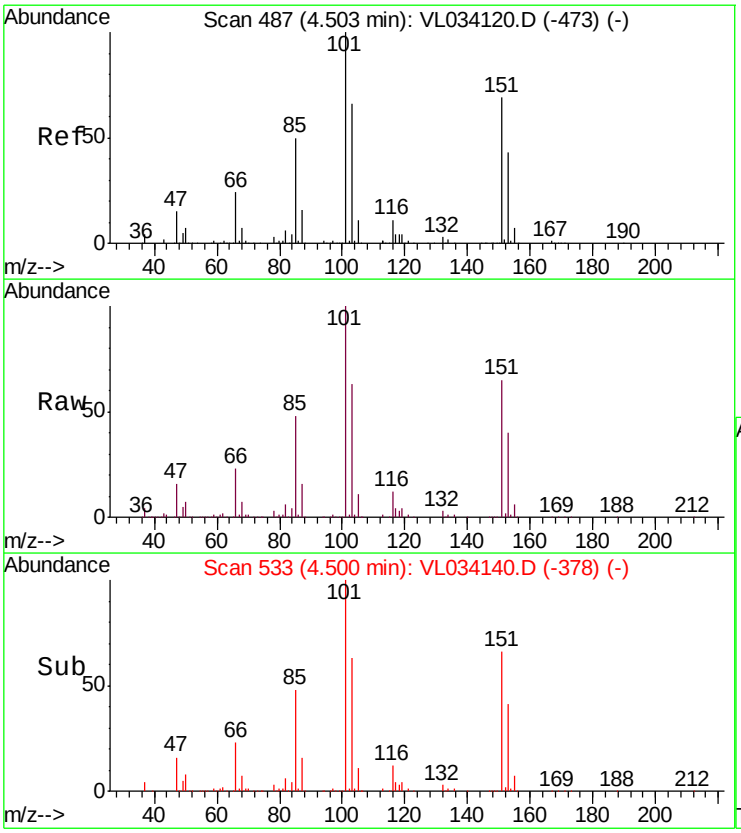
#11
Trichlorofluoromethane
Concen: 9.007 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:101 Resp: 1225151

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.2

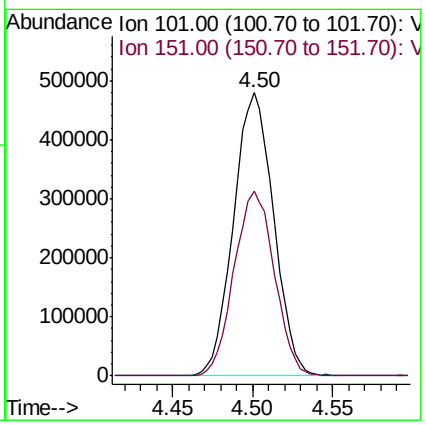


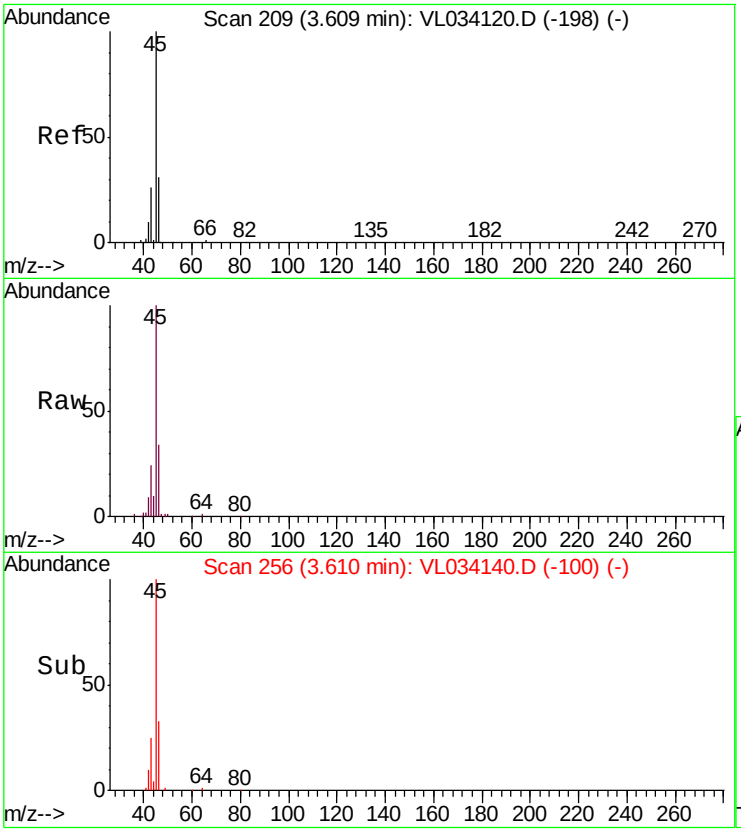


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.962 ppbv
RT: 4.50 min Scan# 533
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:101 Resp: 815573

Ion	Ratio	Lower	Upper
101	100		
151	65.8	53.0	79.6



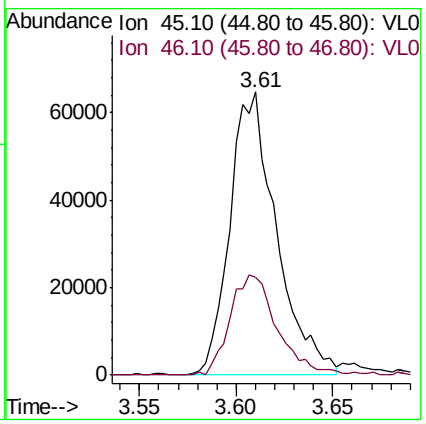


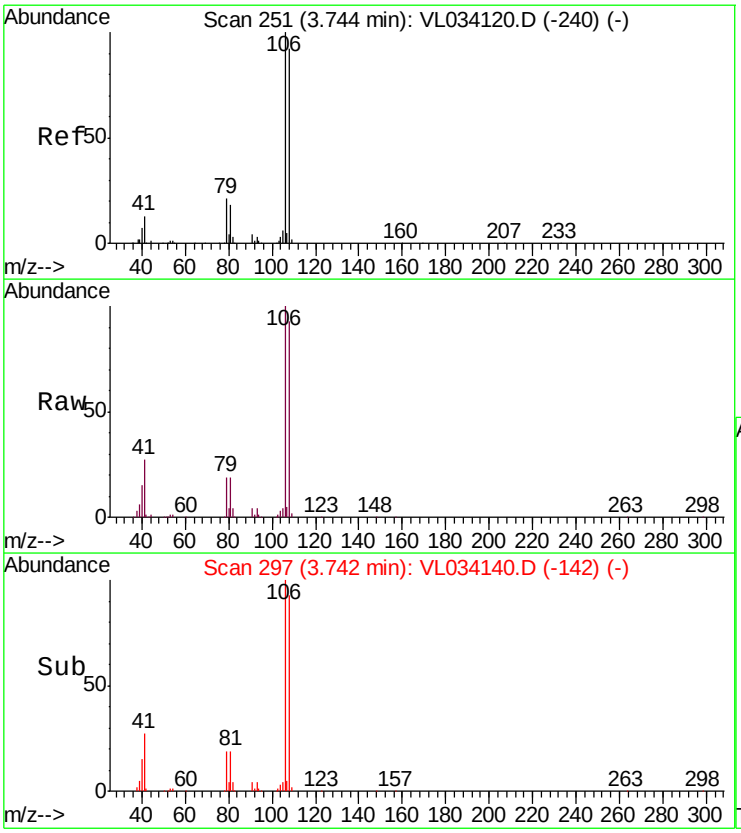
#13
Ethanol
Concen: 8.754 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 45 Resp: 108154

Ion	Ratio	Lower	Upper
45	100		
46	36.3	15.0	60.0

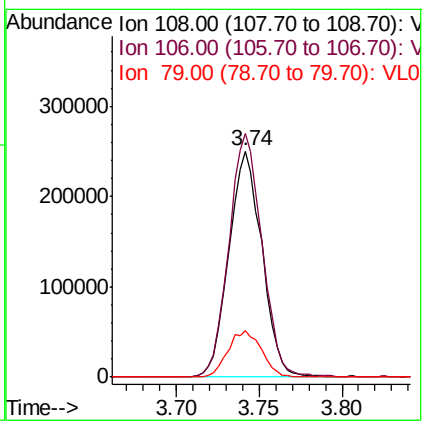


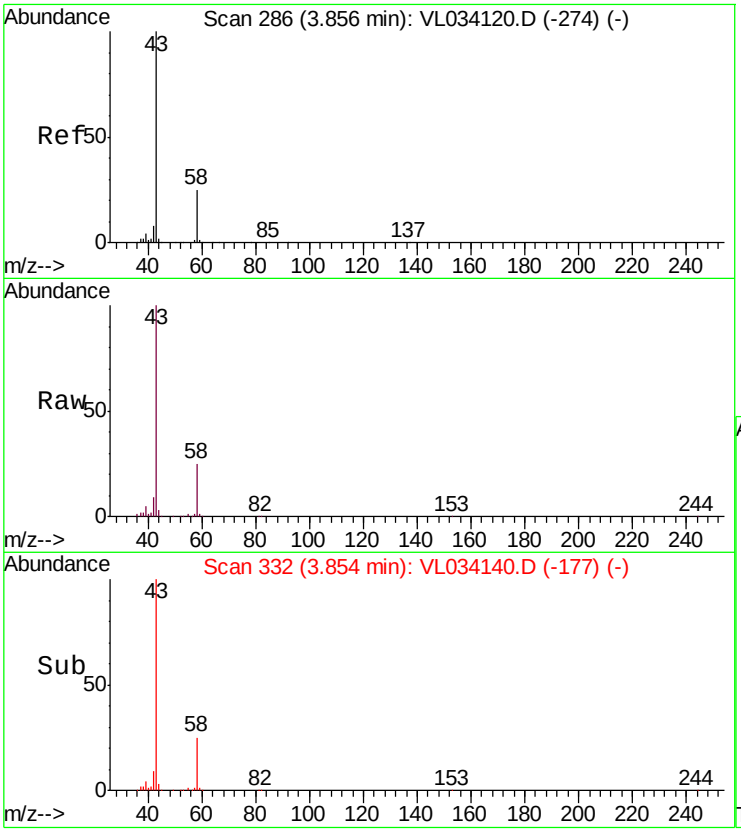


#14
Bromoethene
Concen: 8.819 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:108 Resp: 347446

Ion	Ratio	Lower	Upper
108	100		
106	108.5	87.2	130.8
79	21.2	16.5	24.7



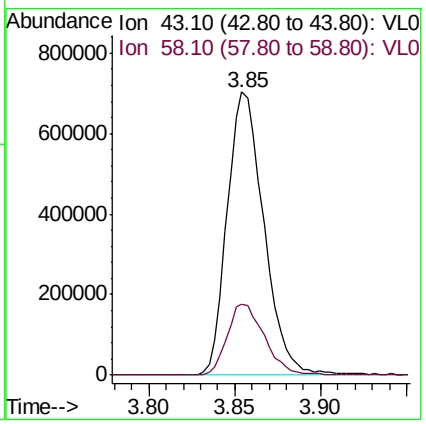


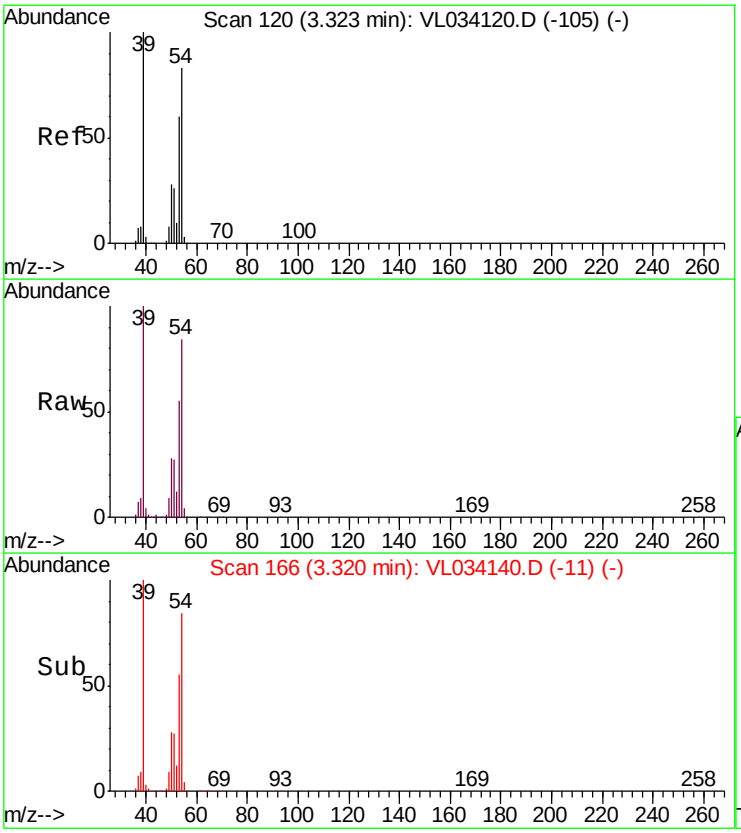
#15
Acetone
Concen: 8.528 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 43 Resp: 1039321

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.6	30.8

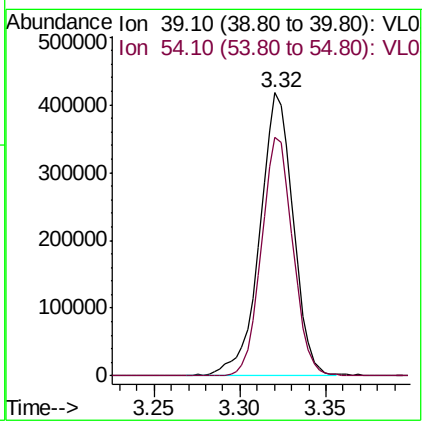


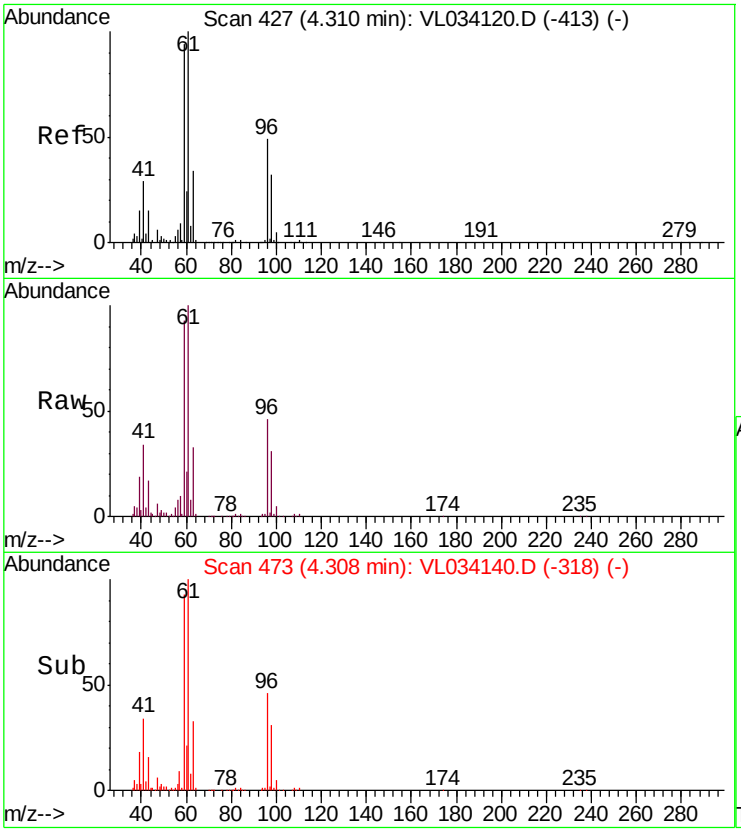


#16
1,3-Butadiene
Concen: 9.080 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 39 Resp: 560391

Ion	Ratio	Lower	Upper
39	100		
54	79.8	63.5	95.3



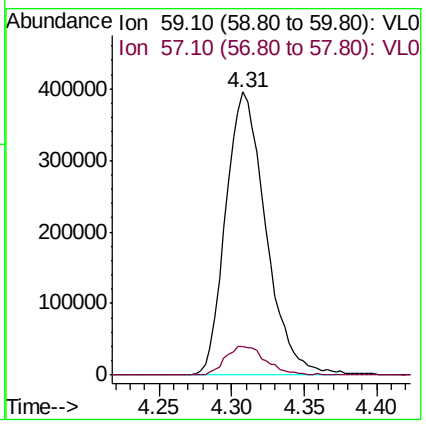


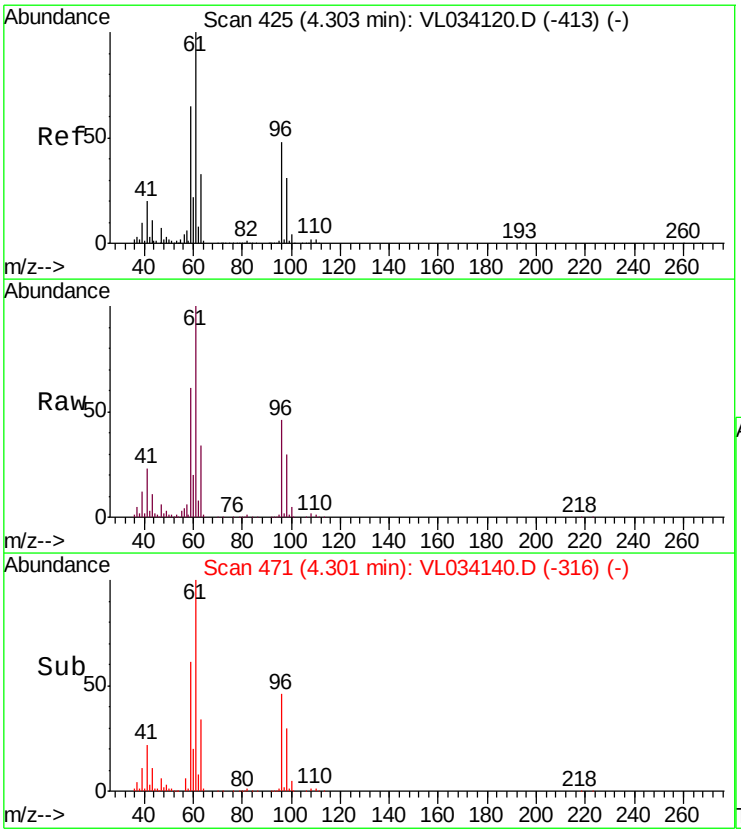
#17
tert-Butyl alcohol
Concen: 8.578 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 59 Resp: 758883

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

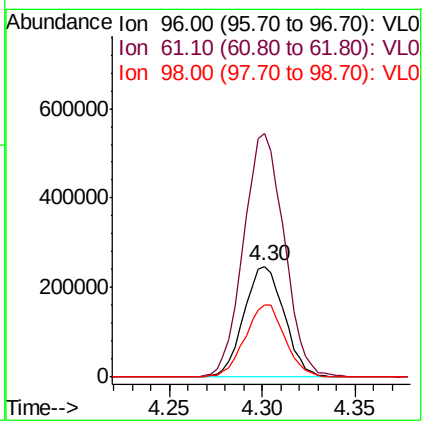


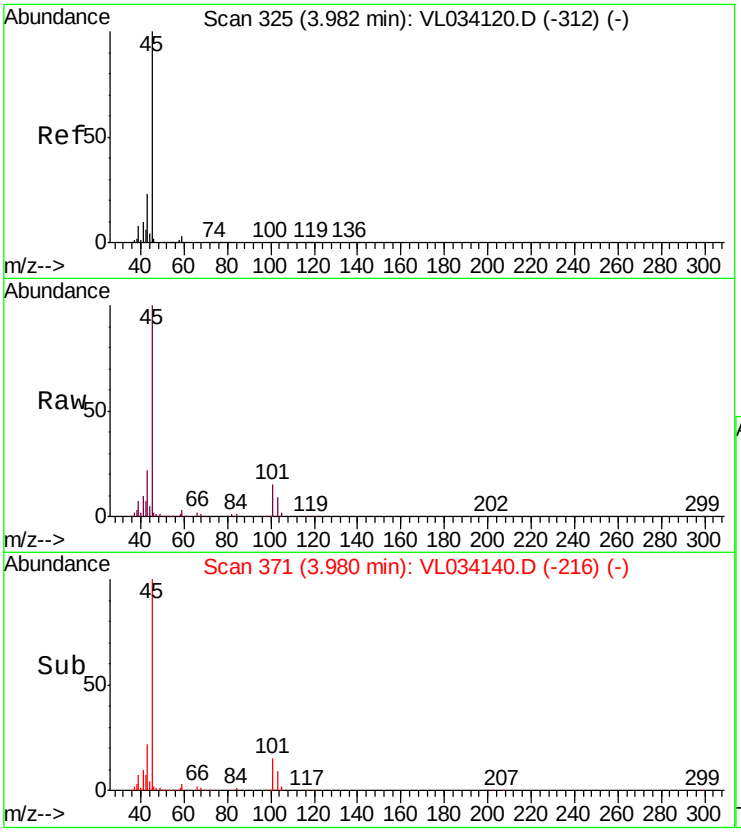


#18
1,1-Dichloroethene
Concen: 8.974 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 96 Resp: 373117

Ion	Ratio	Lower	Upper
96	100		
61	219.7	165.8	248.8
98	65.5	50.8	76.2



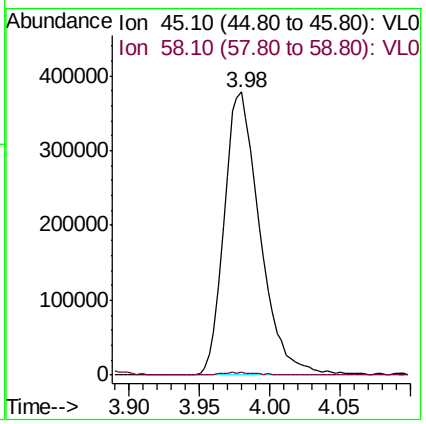


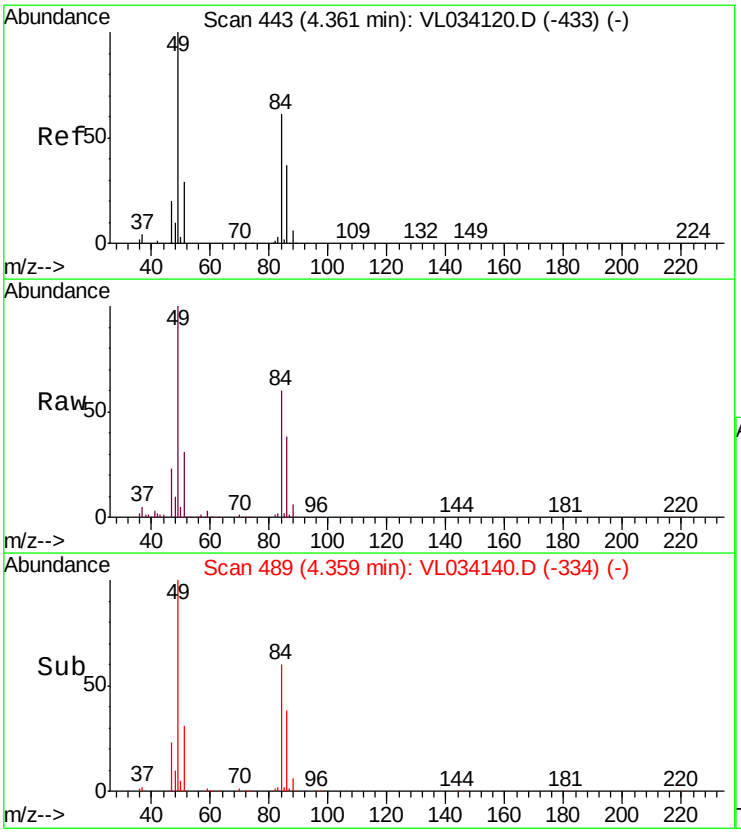
#19
Isopropyl Alcohol
Concen: 8.160 ppbv
RT: 3.98 min Scan# 371
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 45 Resp: 671269

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.0	1.6

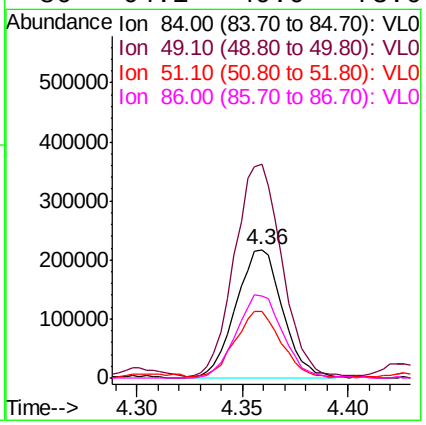


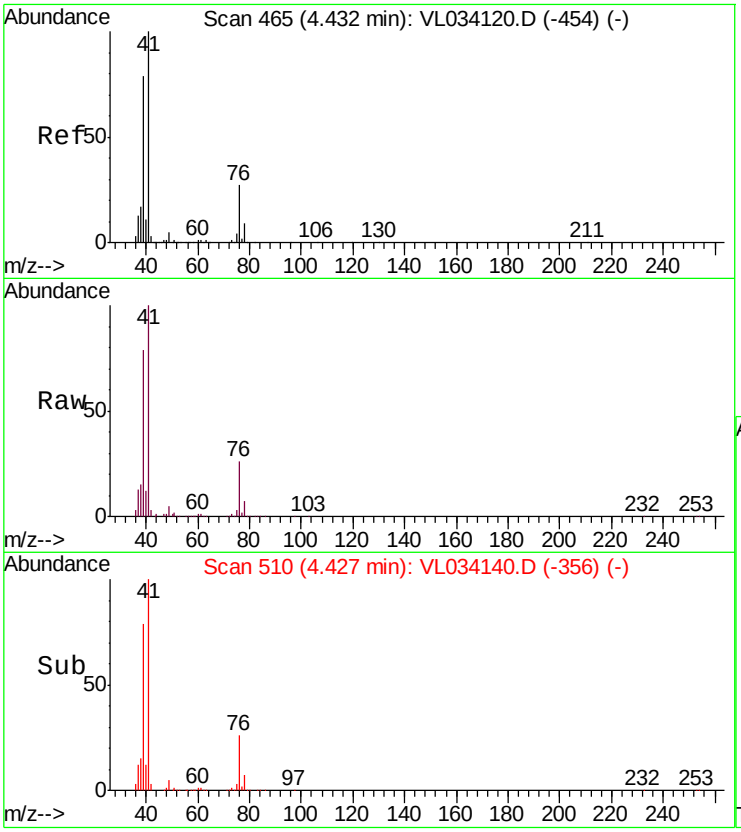


#20
Methylene Chloride
Concen: 8.259 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 84 Resp: 332783

Ion	Ratio	Lower	Upper
84	100		
49	165.7	131.0	196.6
51	50.9	38.1	57.1
86	64.1	49.0	73.6



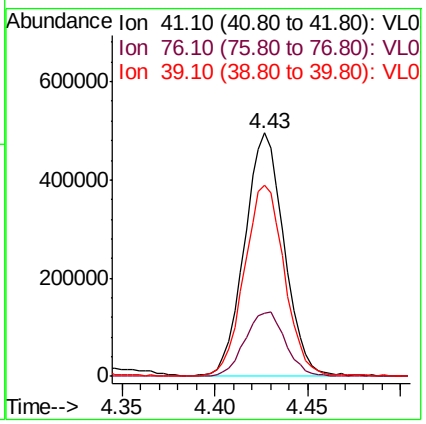


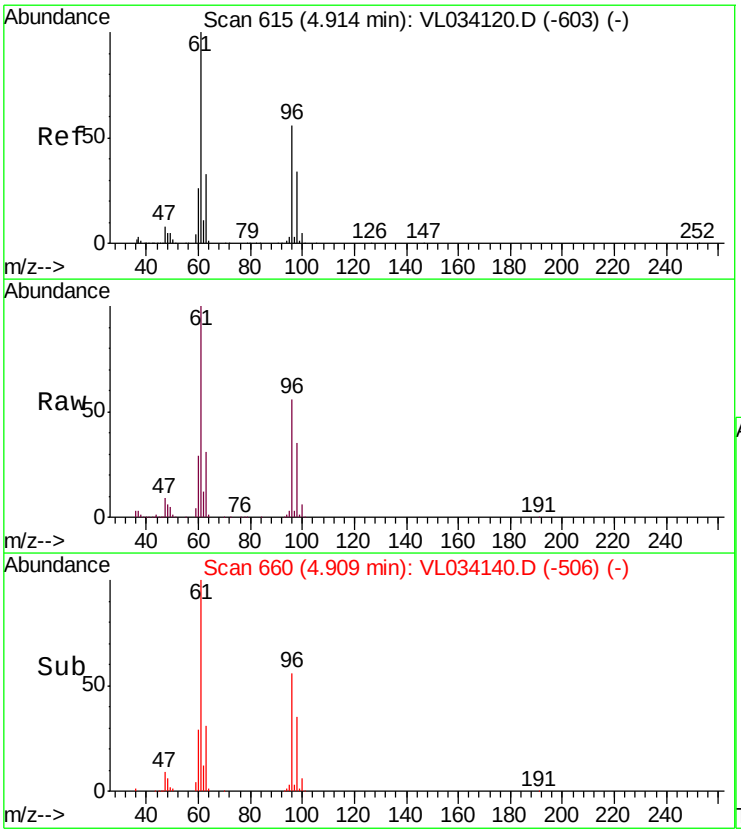
#21
Allyl Chloride
Concen: 9.126 ppbv
RT: 4.43 min Scan# 510
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 41 Resp: 733202

Ion	Ratio	Lower	Upper
41	100		
76	27.2	21.6	32.4
39	80.6	65.0	97.4

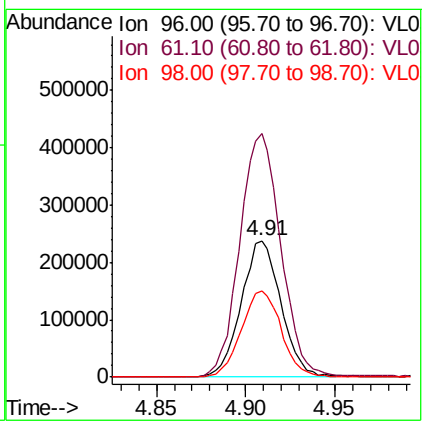


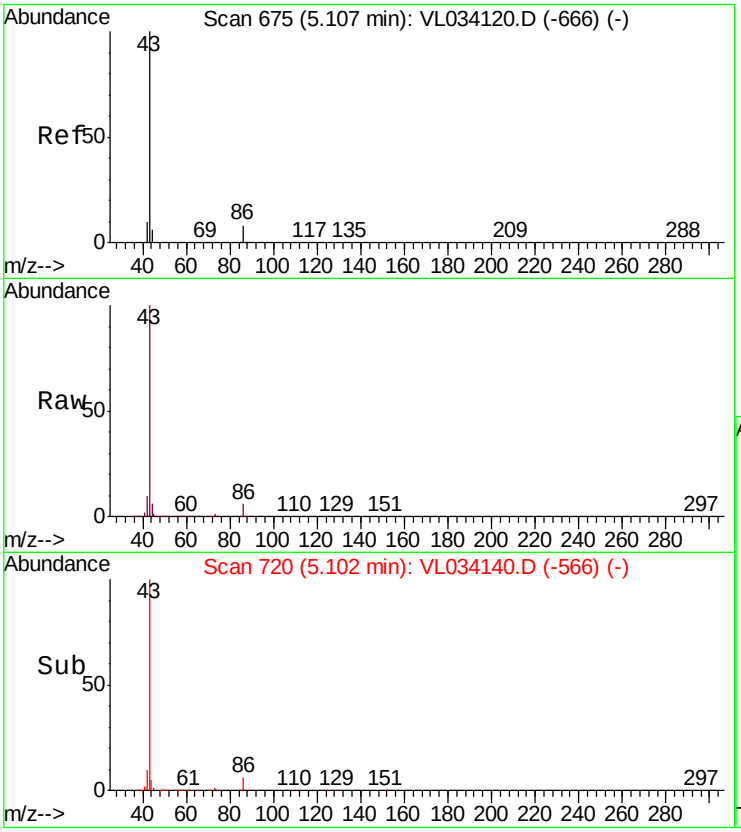


#22
trans-1,2-Dichloroethene
Concen: 8.864 ppbv
RT: 4.91 min Scan# 660
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 96 Resp: 368886

Ion	Ratio	Lower	Upper
96	100		
61	178.5	143.1	214.7
98	62.8	49.0	73.4



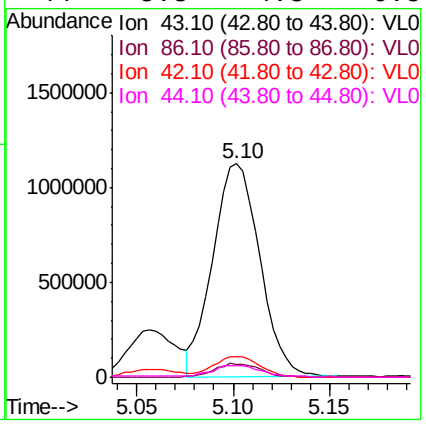


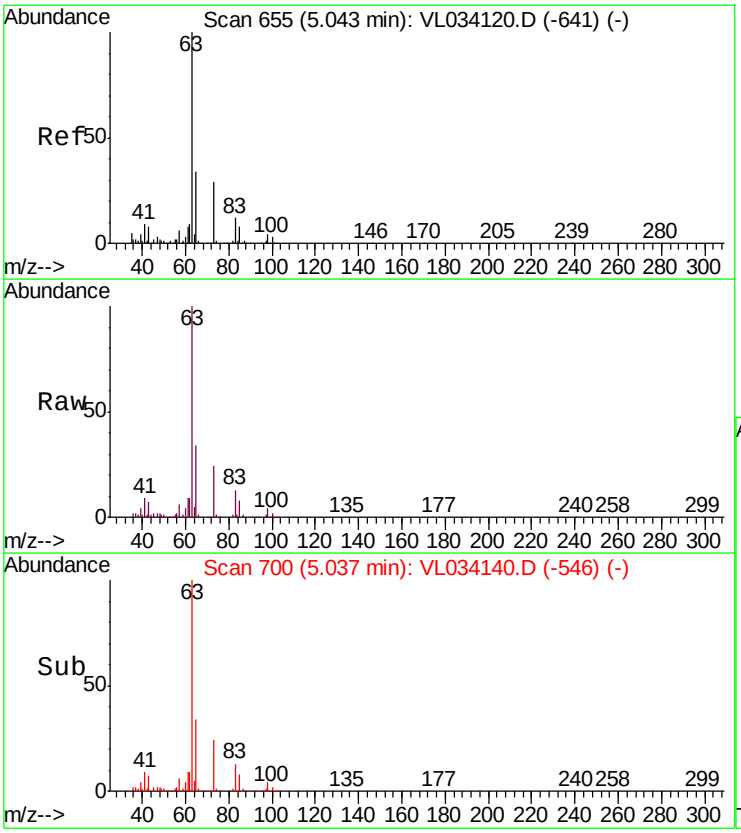
#23
Vinyl Acetate
Concen: 9.168 ppbv
RT: 5.10 min Scan# 720
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 1895729

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.5	8.3
42	9.6	8.2	12.4
44	5.3	4.3	6.5

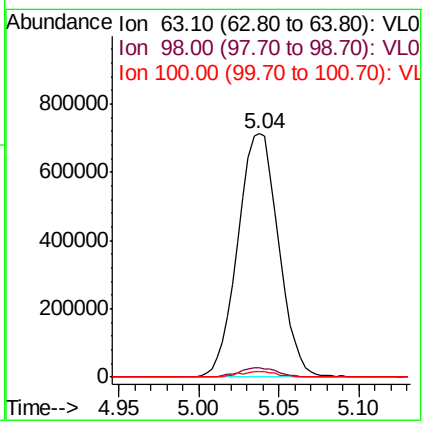


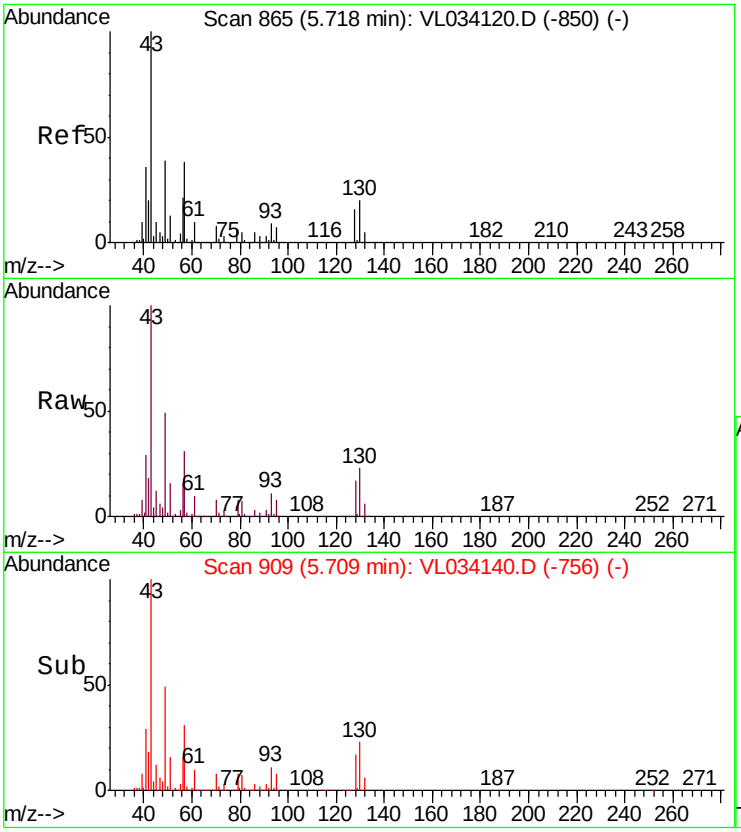


#24
1,1-Dichloroethane
Concen: 8.994 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 63 Resp: 1234279

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.2
100	2.5	1.4	4.0



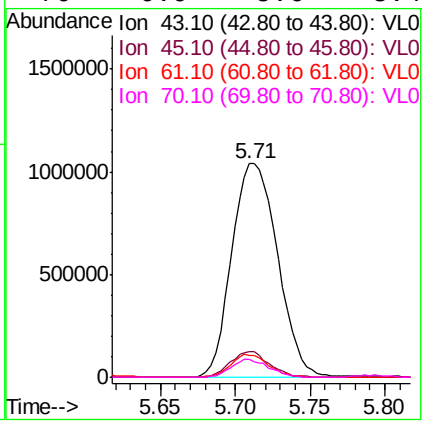


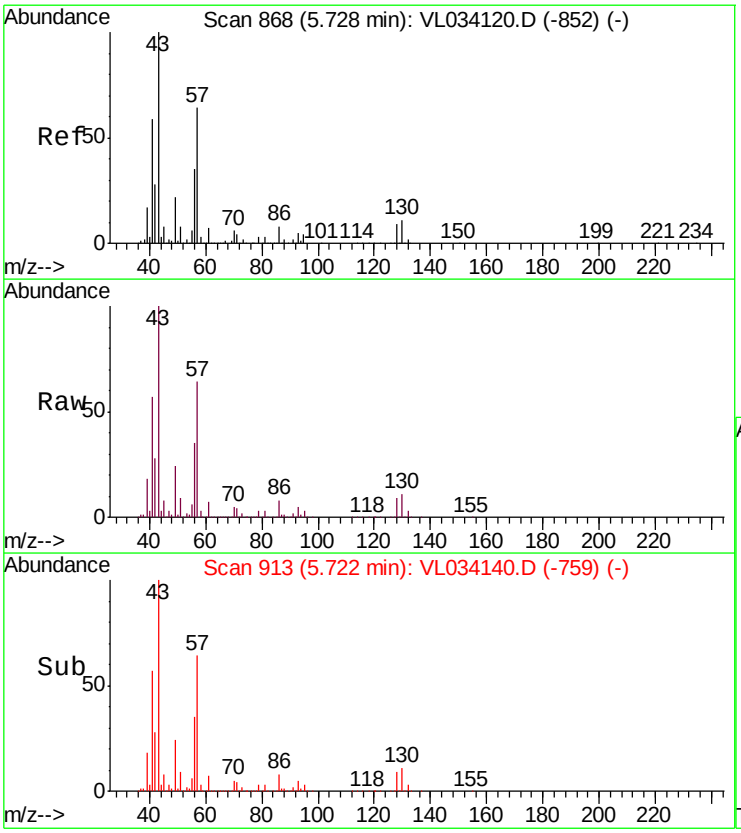
#25
Ethyl Acetate
Concen: 8.266 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 2211378

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	8.9	7.4	11.2
70	6.9	5.6	8.4

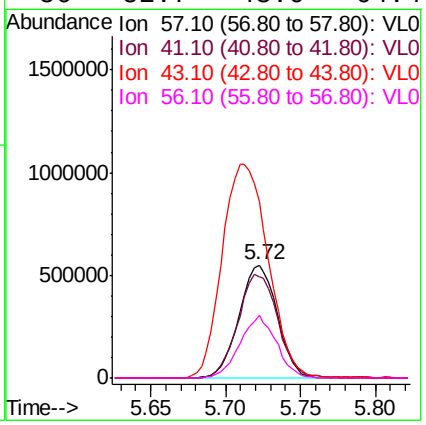


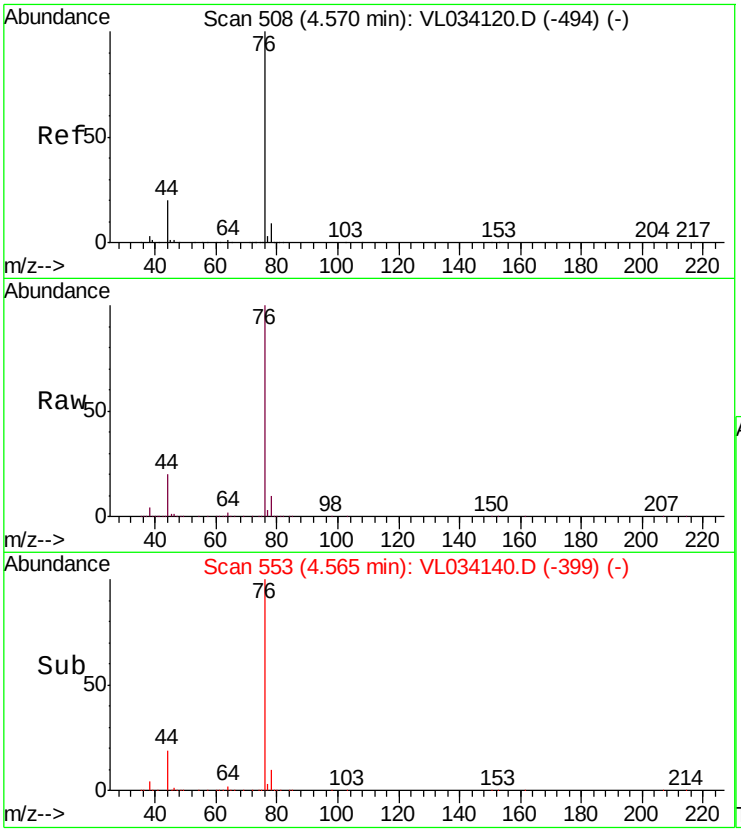


#26
Hexane
Concen: 8.170 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 57 Resp: 971687

Ion	Ratio	Lower	Upper
57	100		
41	96.5	76.6	115.0
43	229.3	189.2	283.8
56	52.7	43.0	64.4



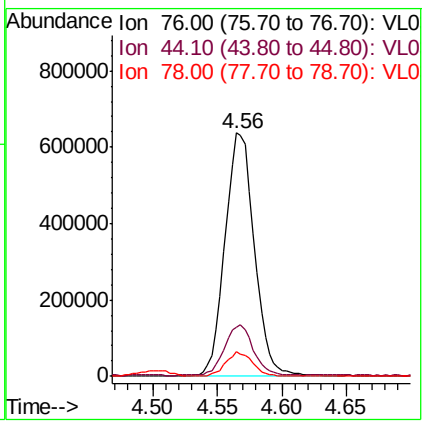


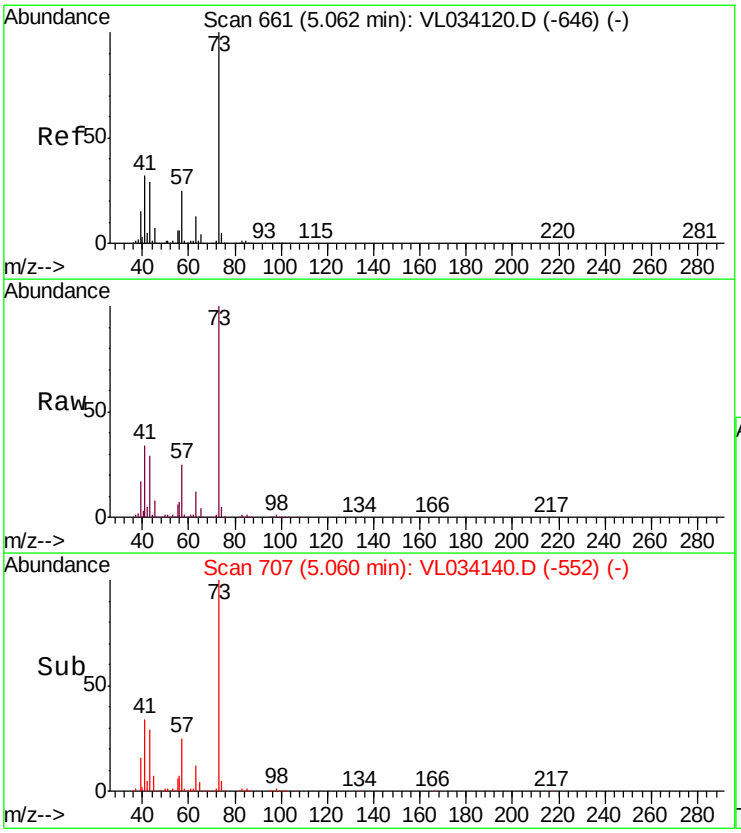
#27
Carbon Disulfide
Concen: 9.412 ppbv
RT: 4.56 min Scan# 553
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 76 Resp: 1010291

Ion	Ratio	Lower	Upper
76	100		
44	20.6	17.6	26.4
78	9.3	7.3	10.9

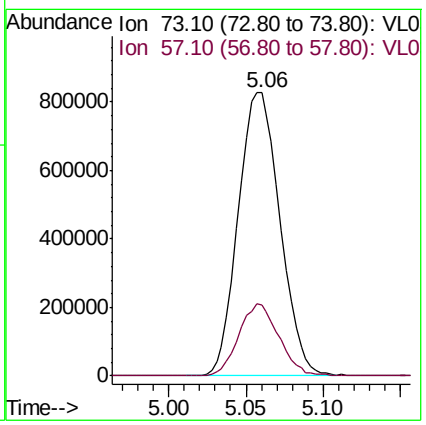


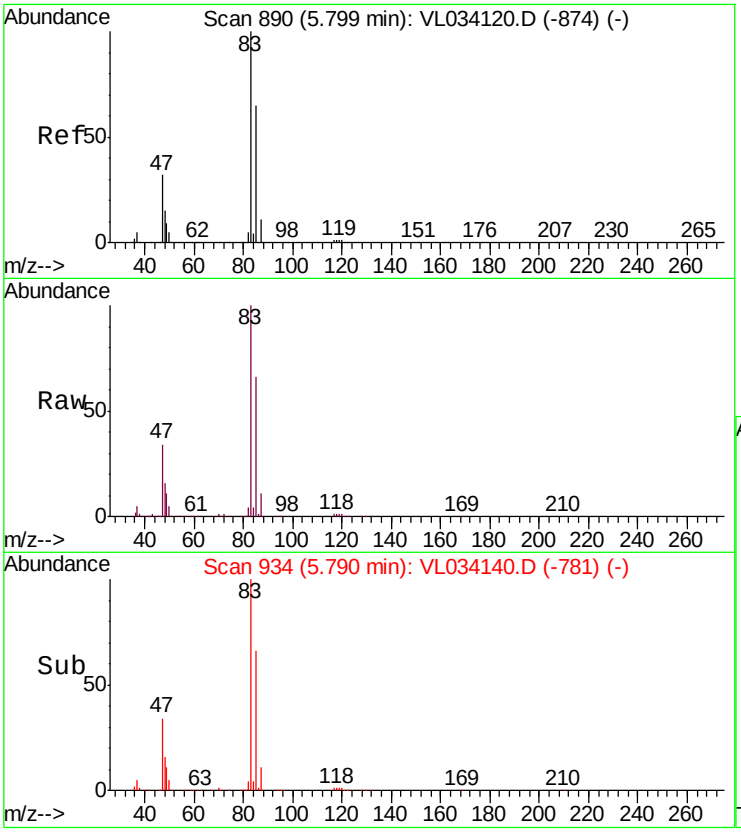


#28
Methyl tert-Butyl Ether
Concen: 8.910 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 73 Resp: 1552759

Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.8	29.8



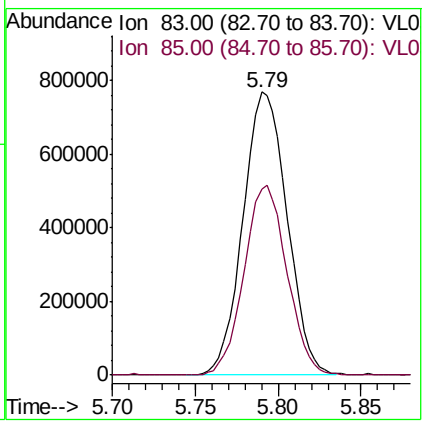


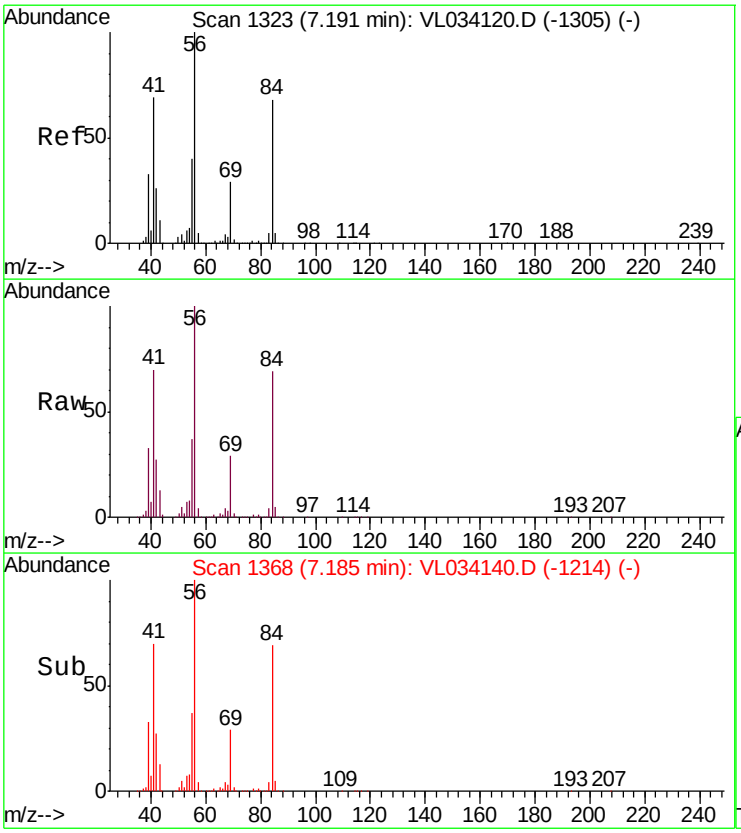
#29
Chloroform
Concen: 8.878 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 83 Resp: 1424257

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6

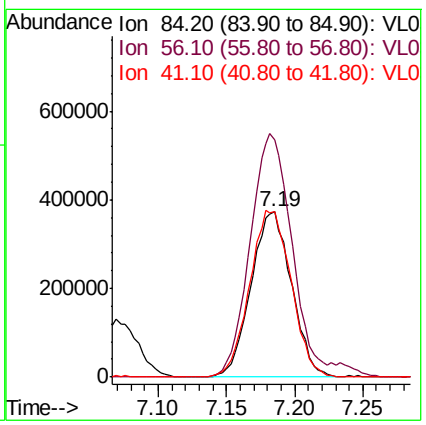


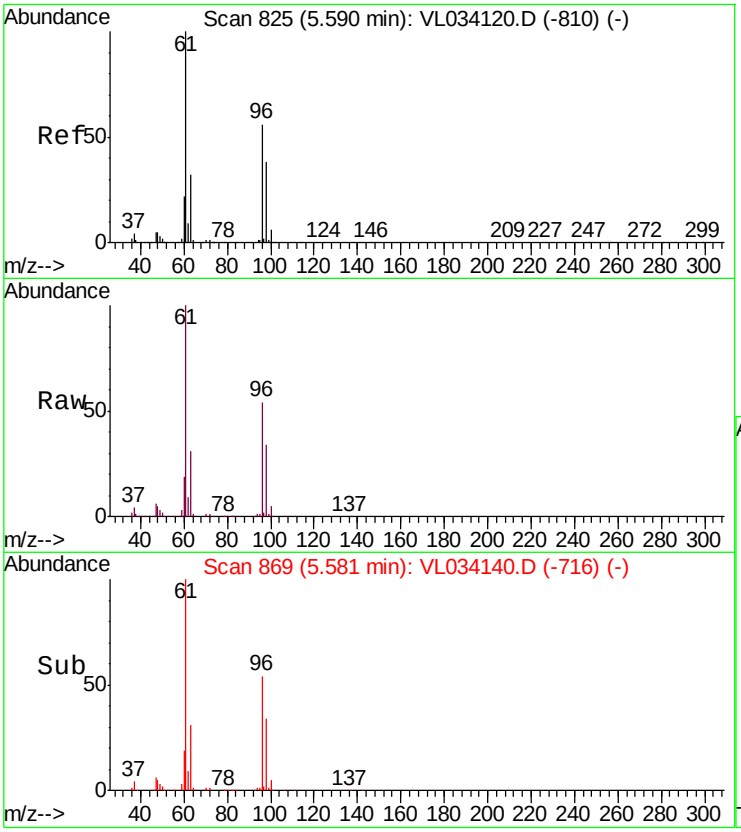


#30
Cyclohexane
Concen: 8.884 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 84 Resp: 763887

Ion	Ratio	Lower	Upper
84	100		
56	157.3	122.6	183.8
41	103.7	79.1	118.7



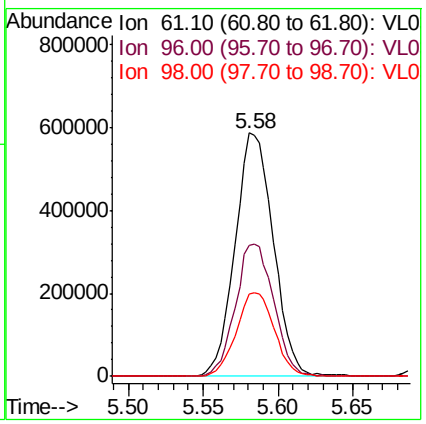


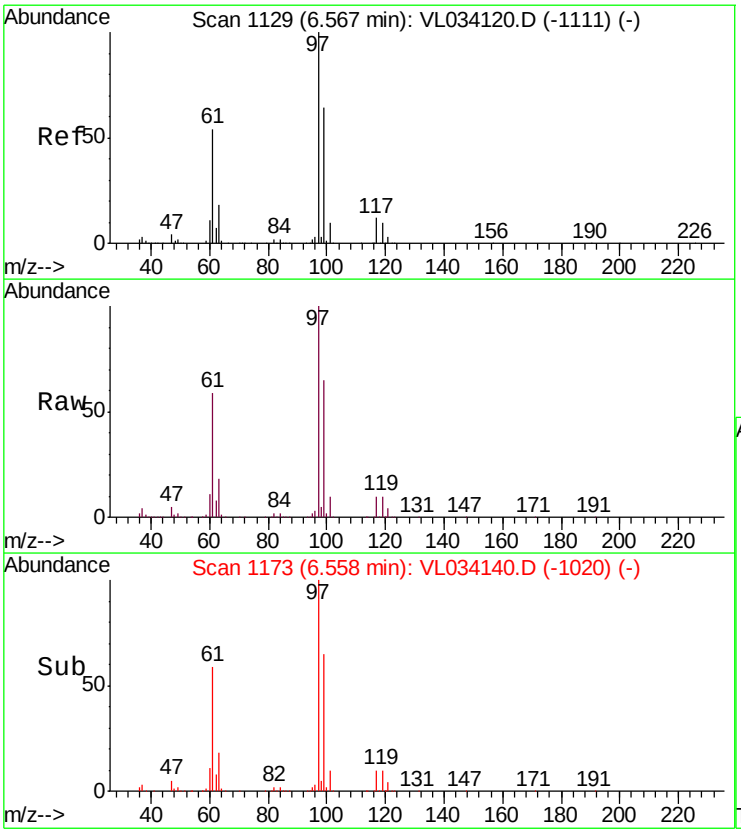
#31
cis-1,2-Dichloroethene
Concen: 9.151 ppbv
RT: 5.58 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 61 Resp: 1042334

Ion	Ratio	Lower	Upper
61	100		
96	53.8	44.4	66.6
98	33.7	30.0	45.0

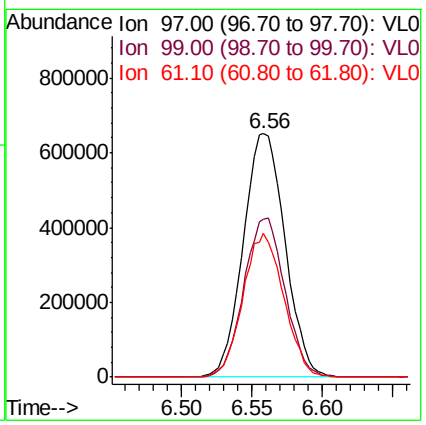


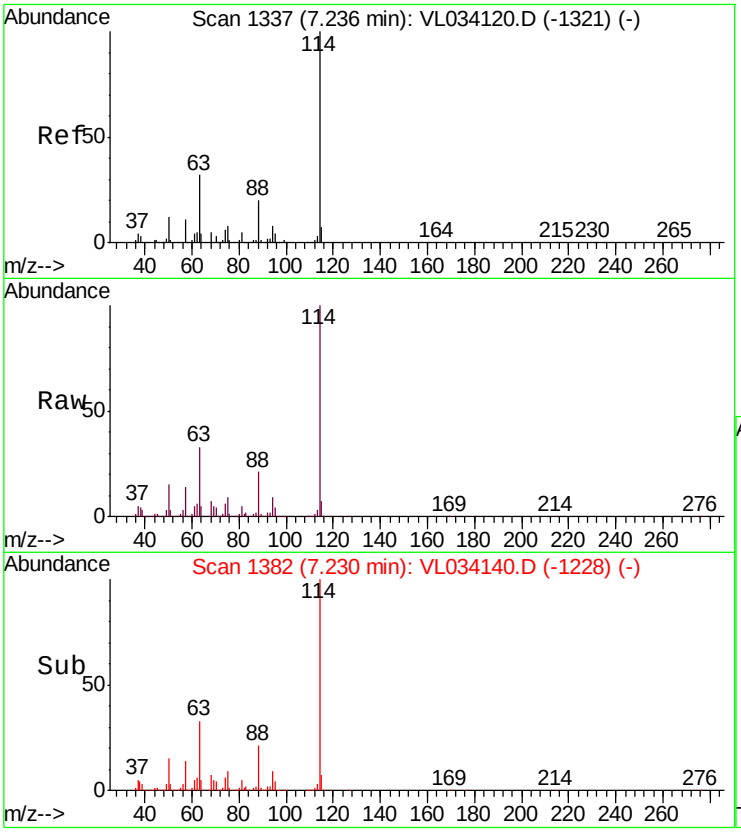


#32
1,1,1-Trichloroethane
Concen: 8.919 ppbv
RT: 6.56 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 97 Resp: 1351863

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	57.8	44.0	66.0



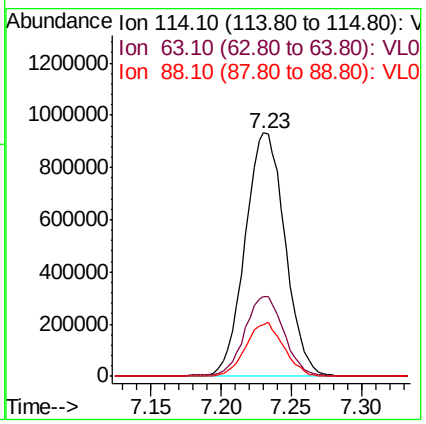


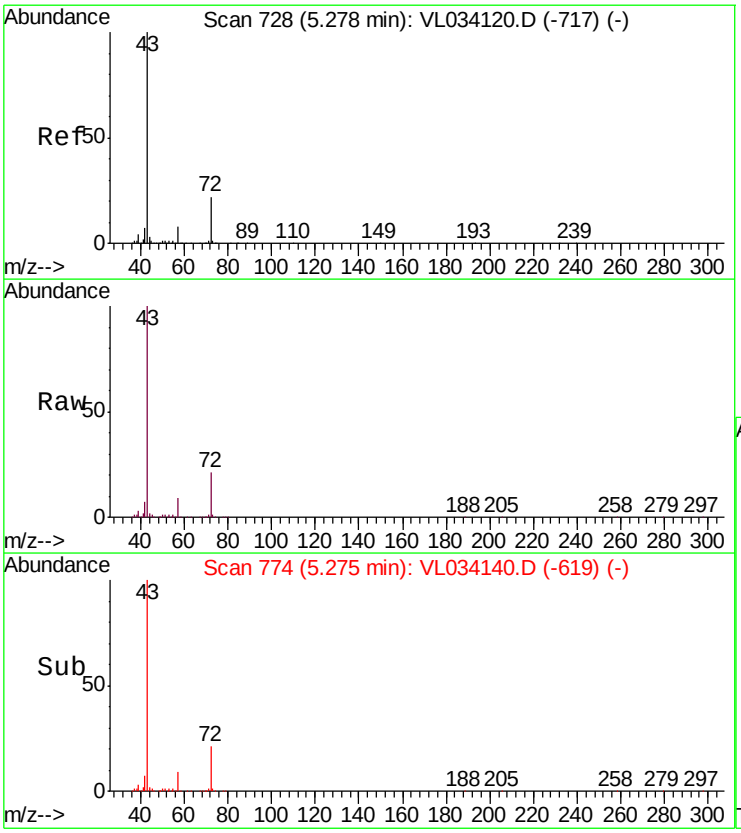
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:114 Resp: 1849324

Ion	Ratio	Lower	Upper
114	100		
63	32.6	25.5	38.3
88	21.0	16.8	25.2

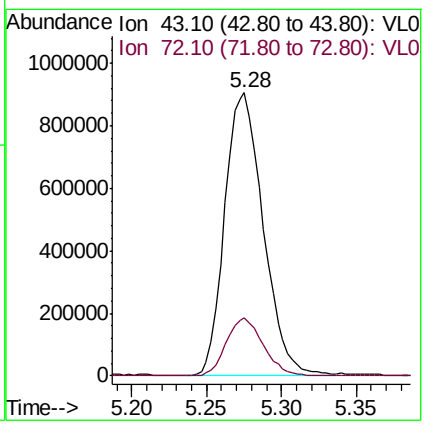


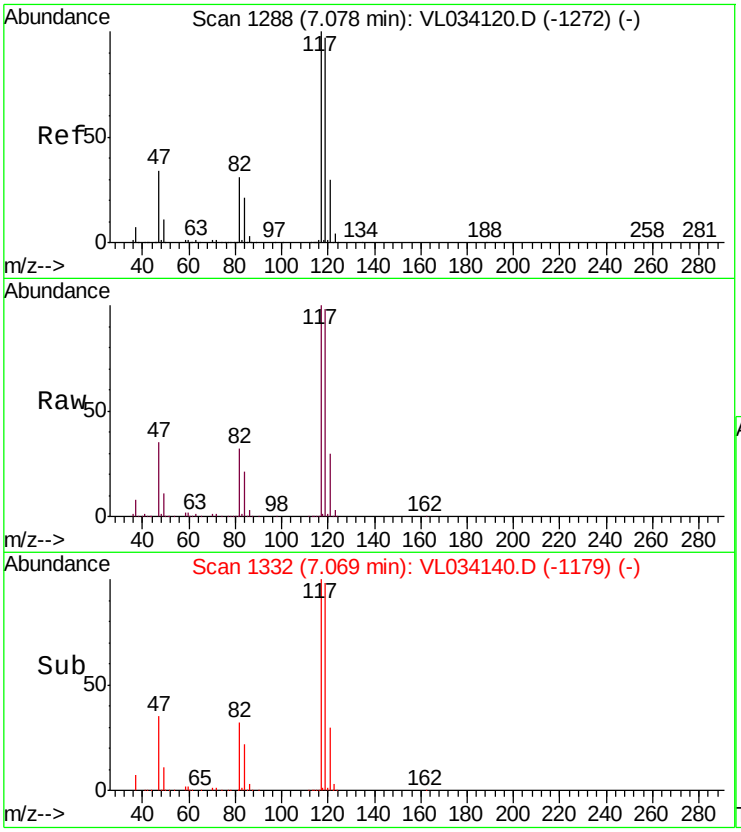


#34
2-Butanone
Concen: 9.100 ppbv
RT: 5.28 min Scan# 774
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 43 Resp: 1617915

Ion	Ratio	Lower	Upper
43	100		
72	20.0	16.5	24.7



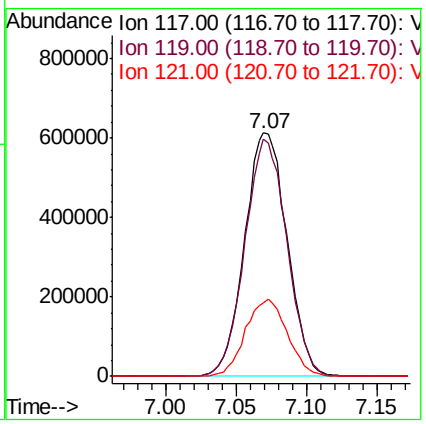


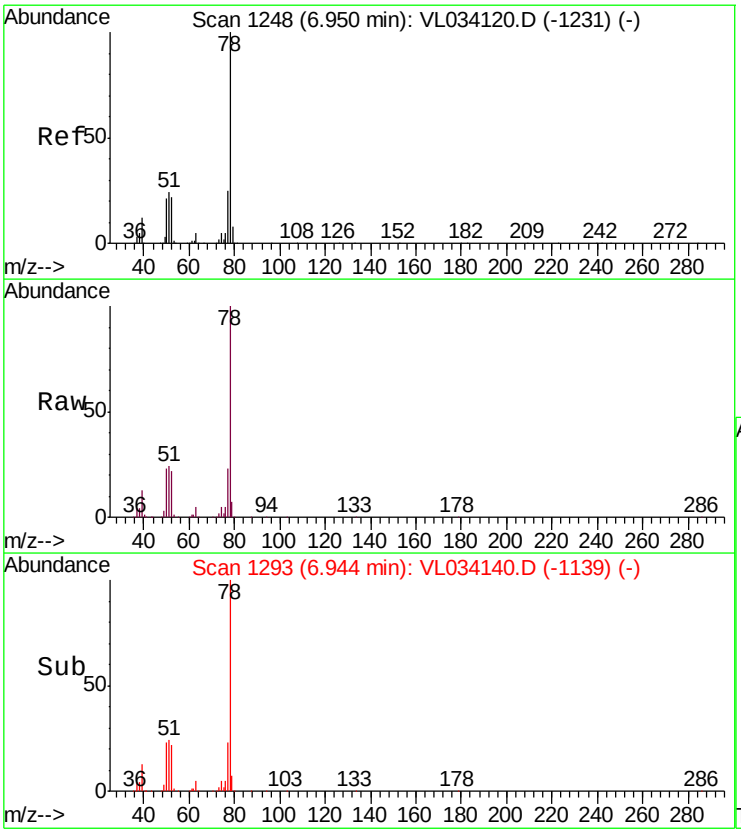
#35
Carbon Tetrachloride
Concen: 8.954 ppbv
RT: 7.07 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:117 Resp: 1291036

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.2	115.8
121	30.1	24.2	36.4

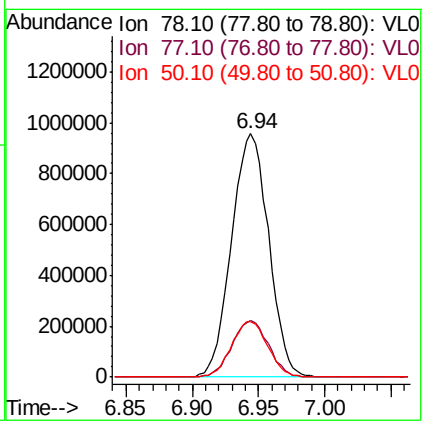


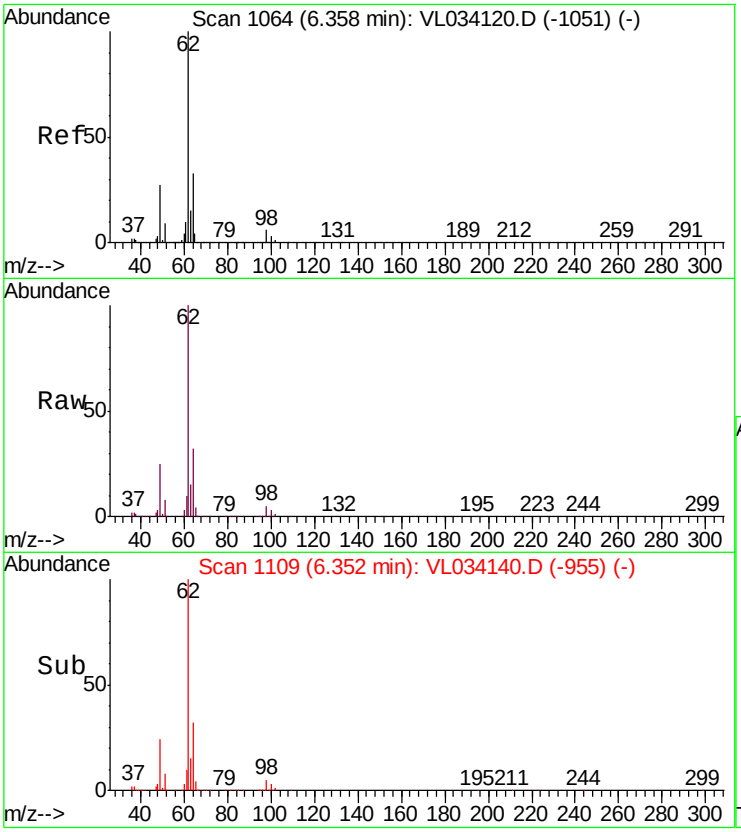


#36
Benzene
Concen: 8.832 ppbv
RT: 6.94 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 78 Resp: 1866878

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.3	30.5
50	22.8	16.9	25.3



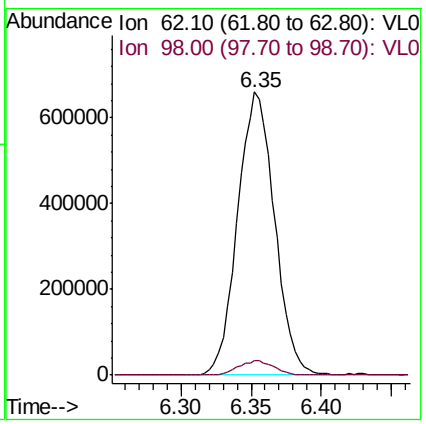


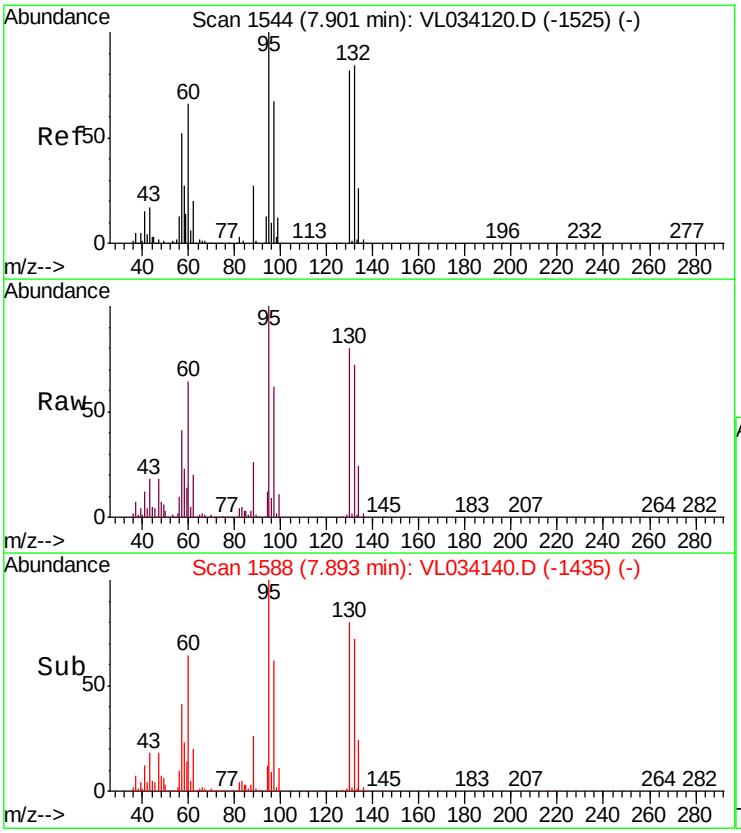
#37
1,2-Dichloroethane
Concen: 9.349 ppbv
RT: 6.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 62 Resp: 1212348

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.4	6.6

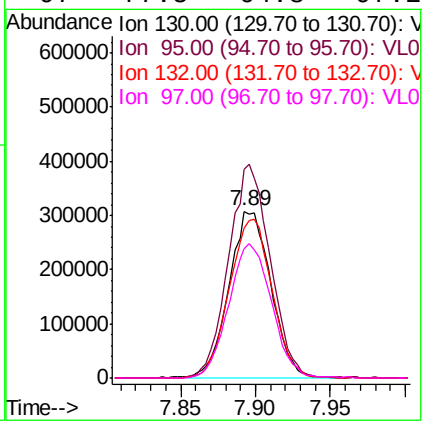


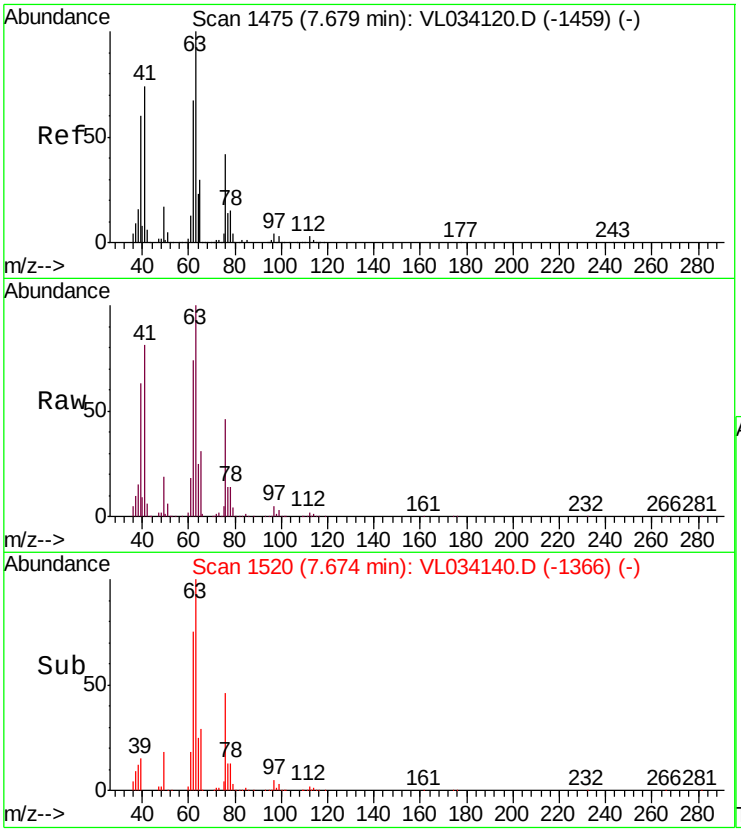


#38
Trichloroethene
Concen: 7.593 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:130 Resp: 598931

Ion	Ratio	Lower	Upper
130	100		
95	124.5	97.2	145.8
132	89.4	81.4	122.2
97	77.5	64.8	97.2



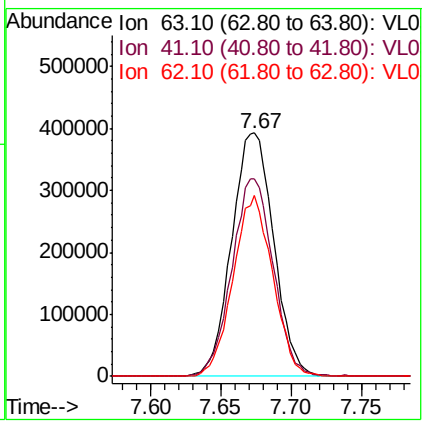


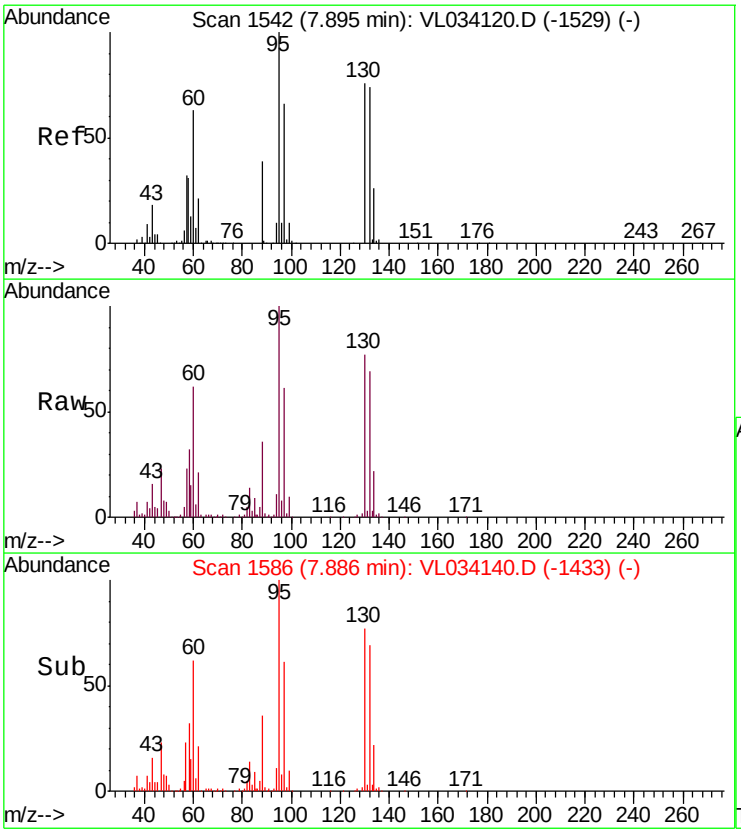
#39
1,2-Dichloropropane
Concen: 9.075 ppbv
RT: 7.67 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 63 Resp: 820918

Ion	Ratio	Lower	Upper
63	100		
41	80.8	59.3	88.9
62	74.0	53.8	80.6

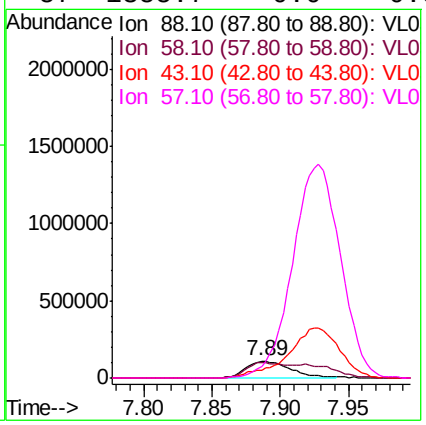


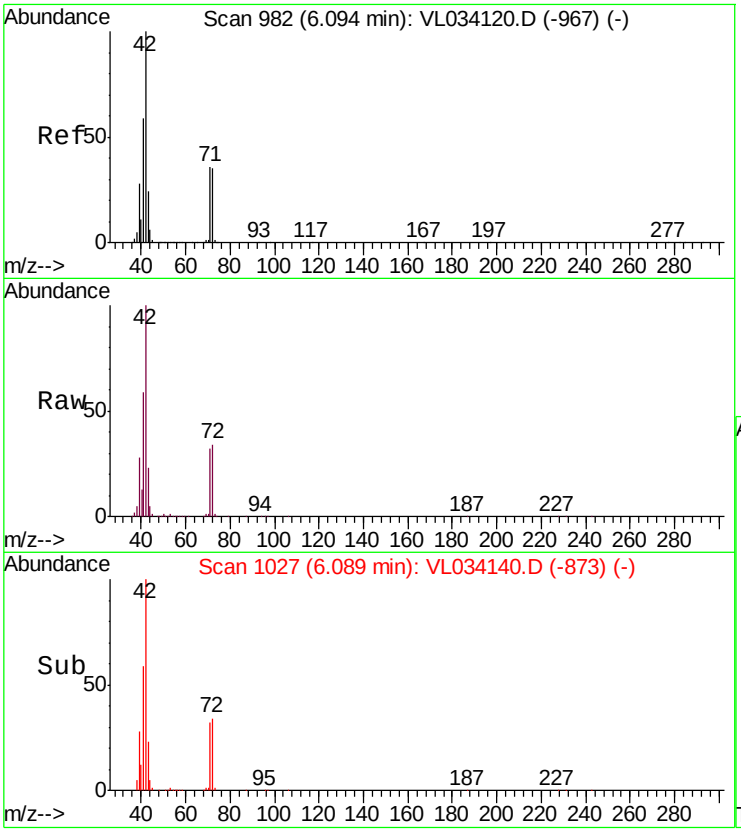


#40
1,4-Dioxane
Concen: 7.509 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 88 Resp: 249643

Ion	Ratio	Lower	Upper
88	100		
58	153.6	121.7	182.5
43	341.8	0.0	0.0#
57	1355.7	0.0	0.0#



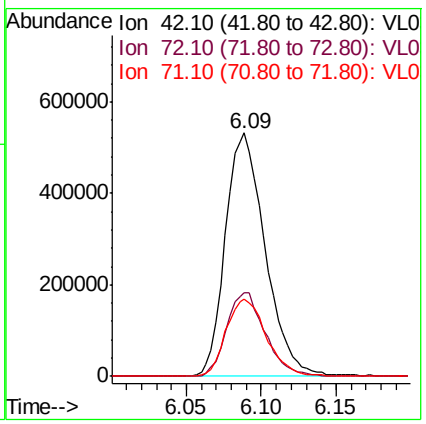


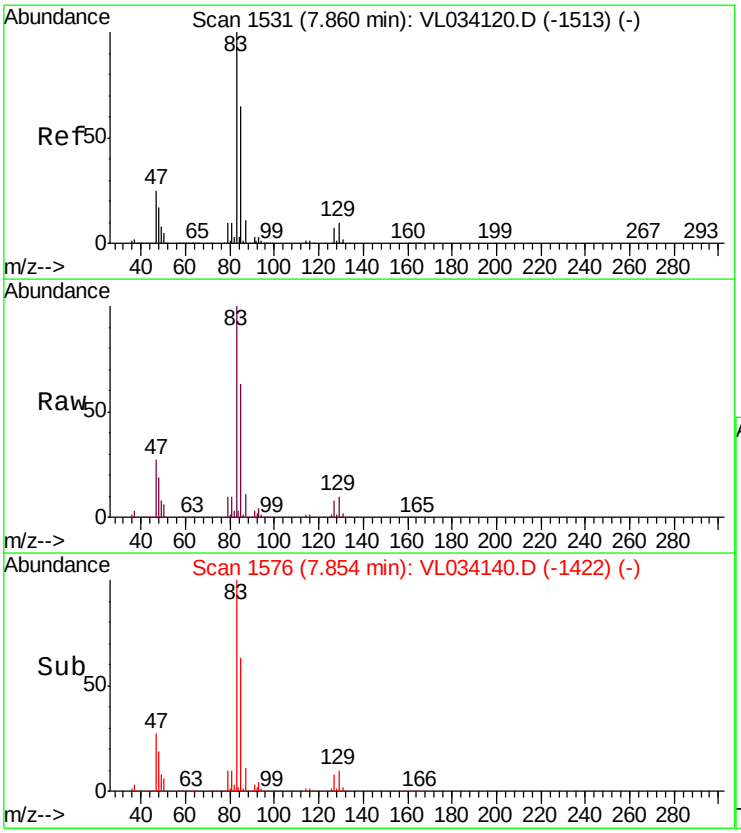
#41
Tetrahydrofuran
Concen: 9.263 ppbv
RT: 6.09 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 42 Resp: 987292

Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.7	41.5
71	32.2	26.7	40.1

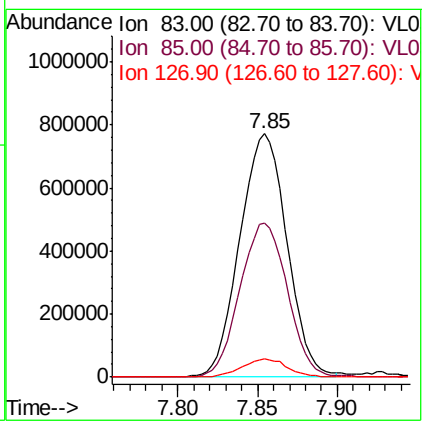


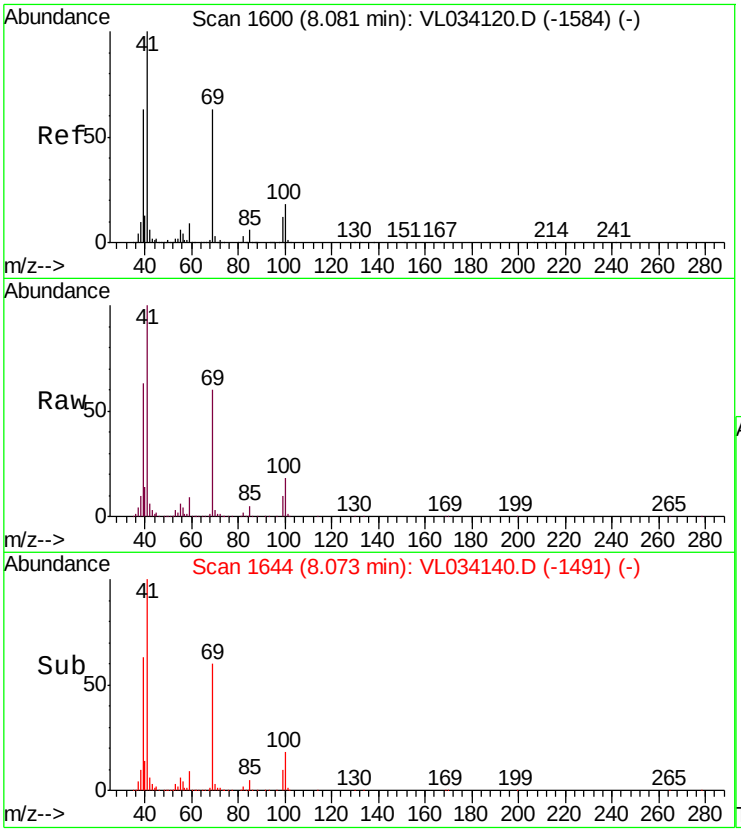


#42
Bromodichloromethane
Concen: 9.217 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 83 Resp: 1557682

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4
127	7.7	5.4	8.0



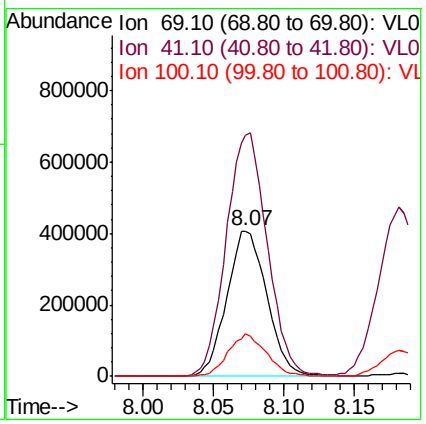


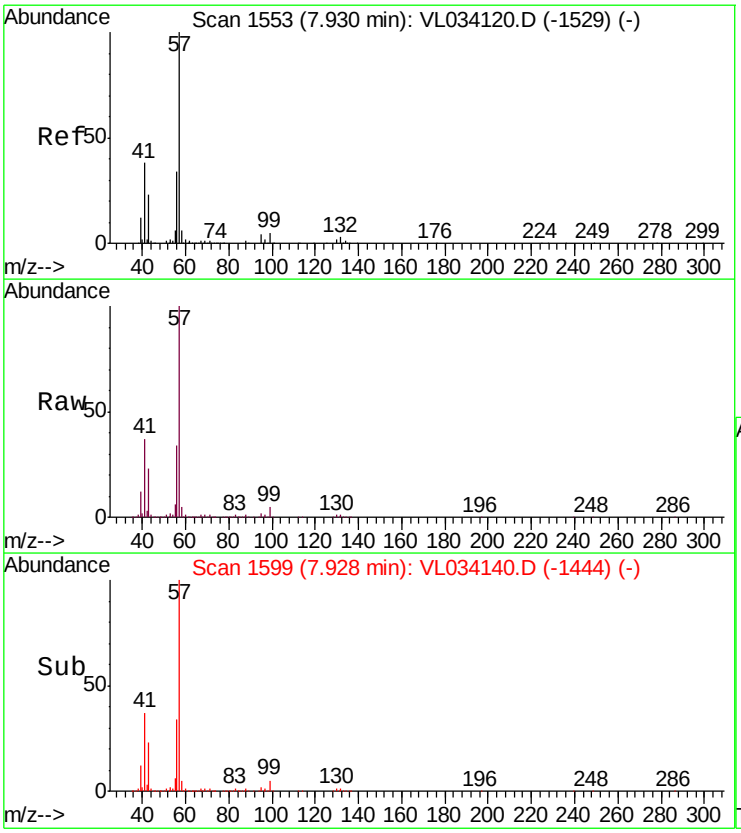
#43
Methyl Methacrylate
Concen: 9.268 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 69 Resp: 807053

Ion	Ratio	Lower	Upper
69	100		
41	171.6	131.0	196.6
100	27.9	22.6	33.8

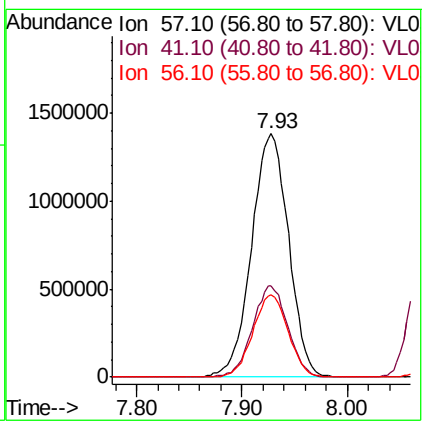


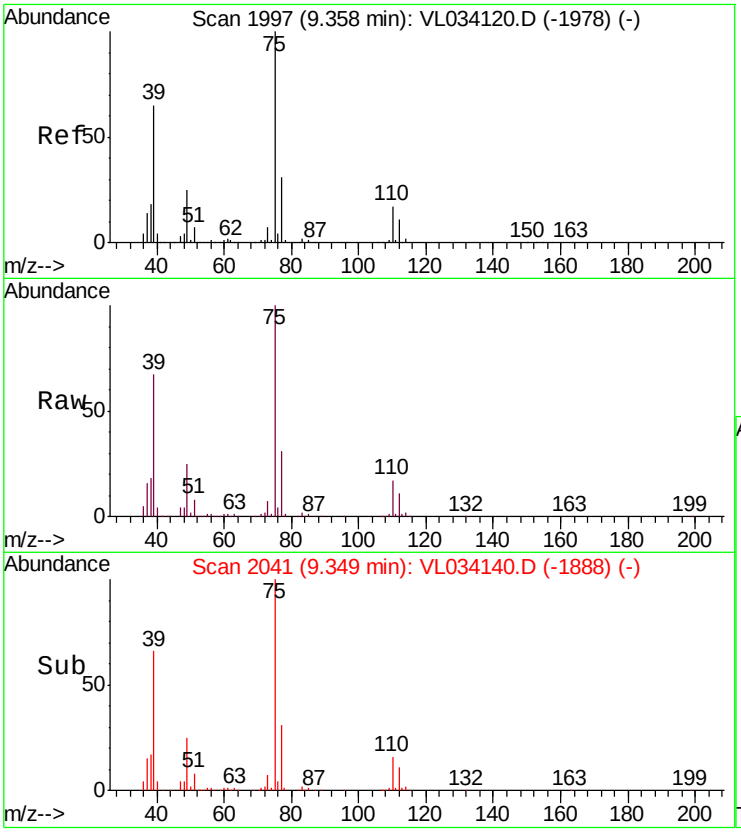


#44
2,2,4-Trimethylpentane
Concen: 8.670 ppbv
RT: 7.93 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 57 Resp: 3378973

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.4	42.6
56	32.3	26.3	39.5



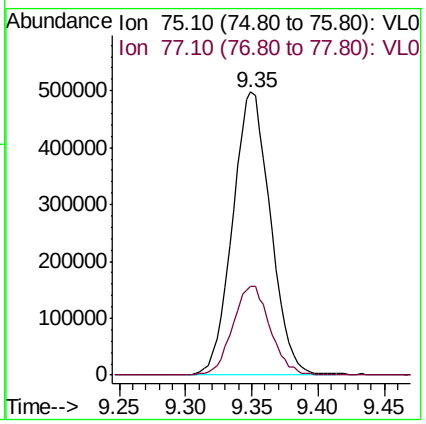


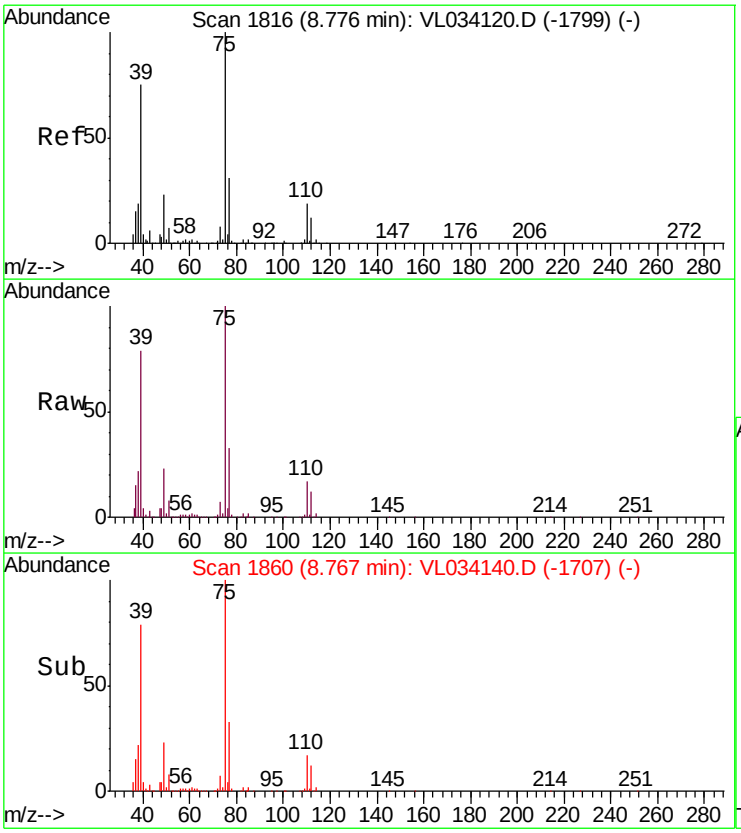
#45
t-1,3-Dichloropropene
Concen: 9.619 ppbv
RT: 9.35 min Scan# 2041
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 75 Resp: 984545

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8

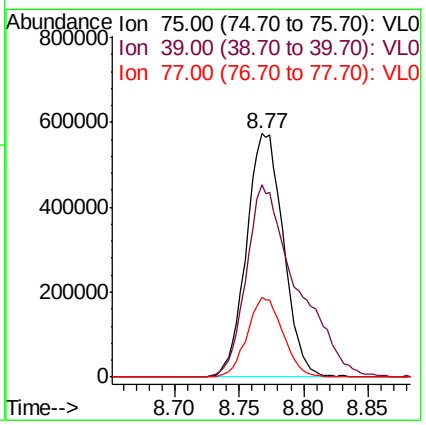


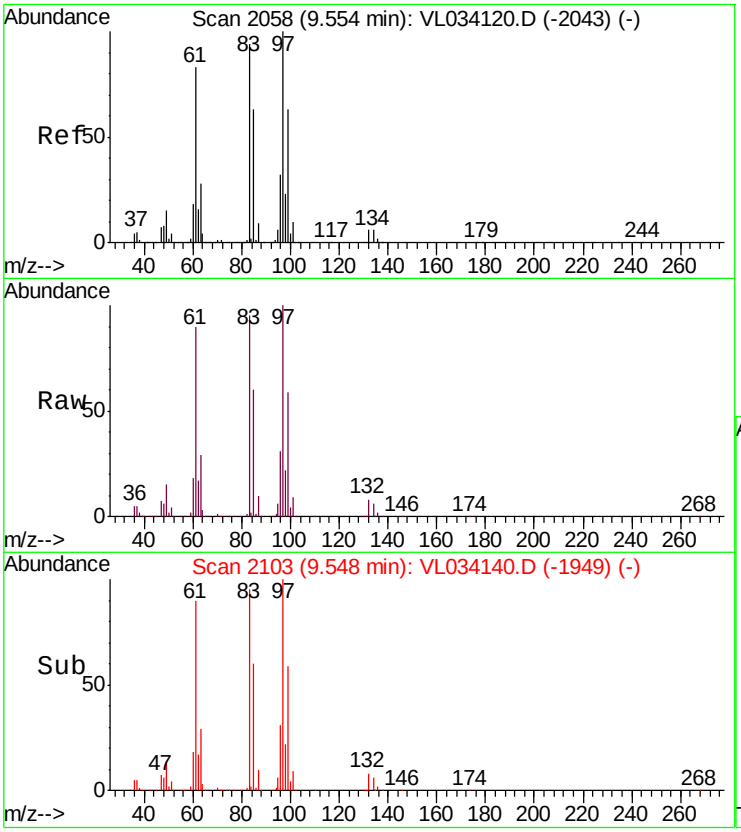


#46
cis-1,3-Dichloropropene
Concen: 9.231 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 75 Resp: 1149394

Ion	Ratio	Lower	Upper
75	100		
39	78.7	60.0	90.0
77	32.8	24.8	37.2



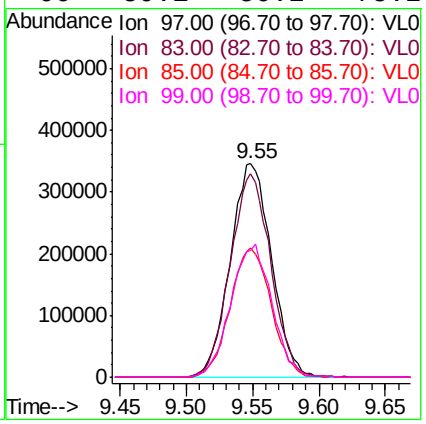


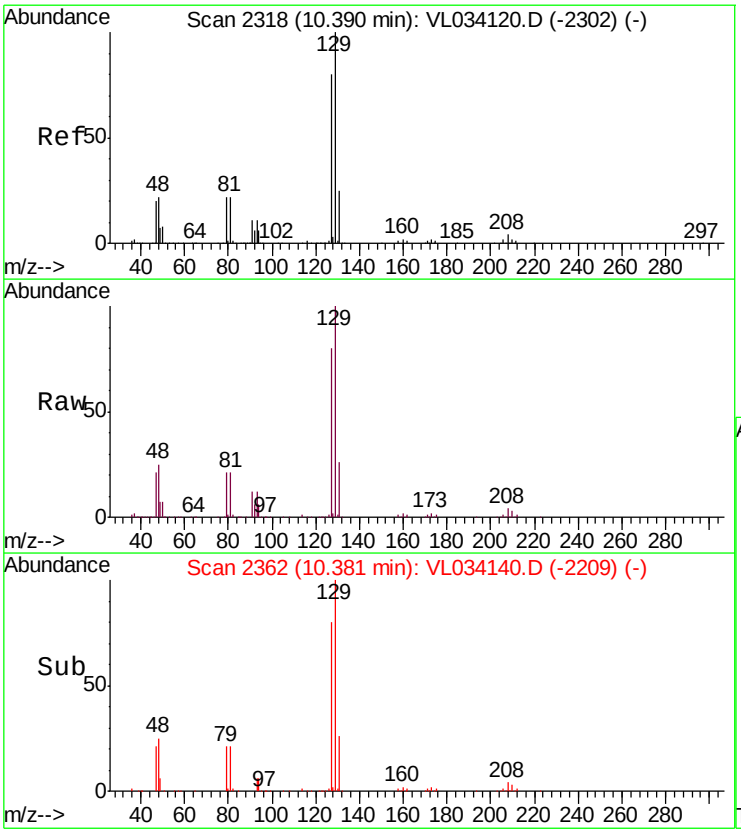
#47
1,1,2-Trichloroethane
Concen: 9.024 ppbv
RT: 9.55 min Scan# 2103
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 97 Resp: 743739

Ion	Ratio	Lower	Upper
97	100		
83	95.5	74.9	112.3
85	60.2	50.6	75.8
99	59.1	50.2	75.2

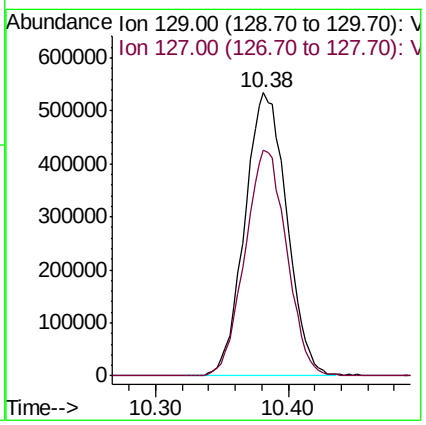


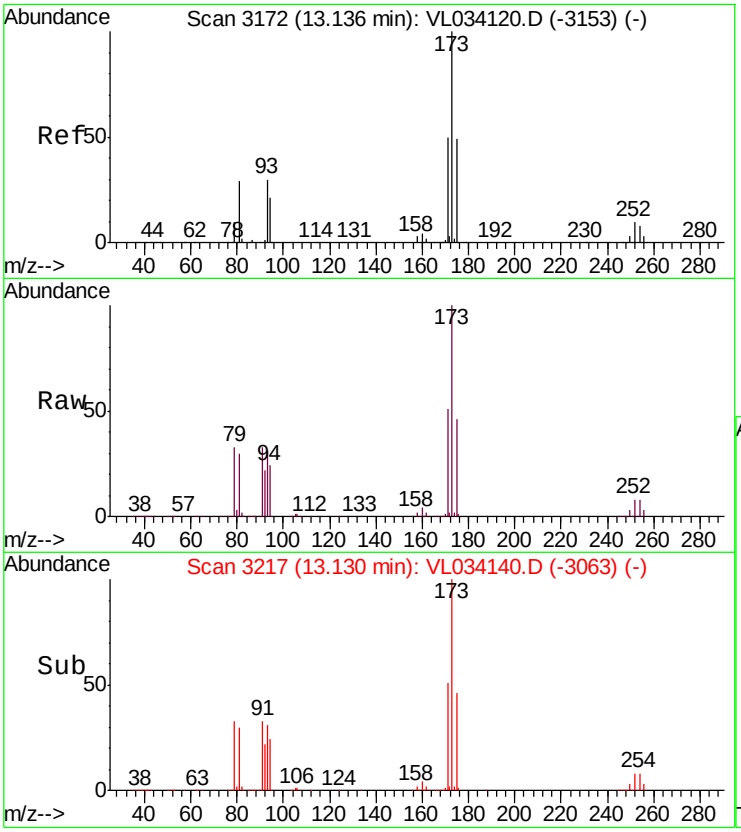


#48
Dibromochloromethane
Concen: 9.606 ppbv
RT: 10.38 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:129 Resp: 1181309

Ion	Ratio	Lower	Upper
129	100		
127	79.3	40.2	120.6



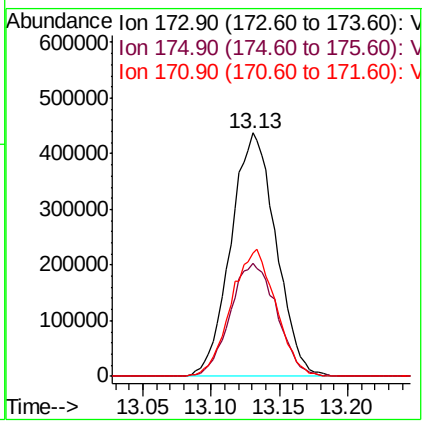


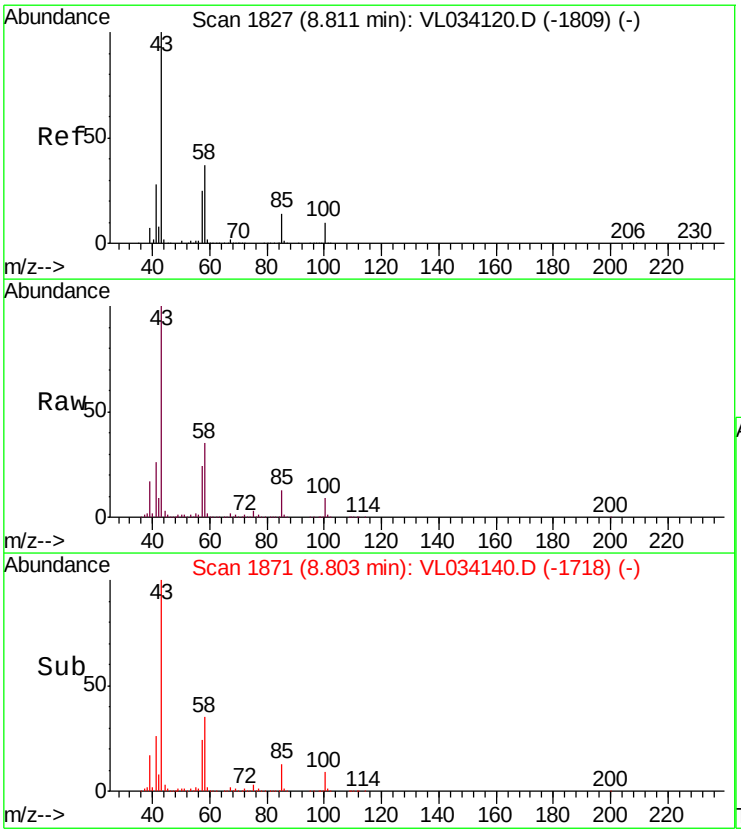
#49
Bromoform
Concen: 9.263 ppbv
RT: 13.13 min Scan# 3217
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:173 Resp: 998729

Ion	Ratio	Lower	Upper
173	100		
175	48.3	40.0	60.0
171	52.0	42.2	63.2

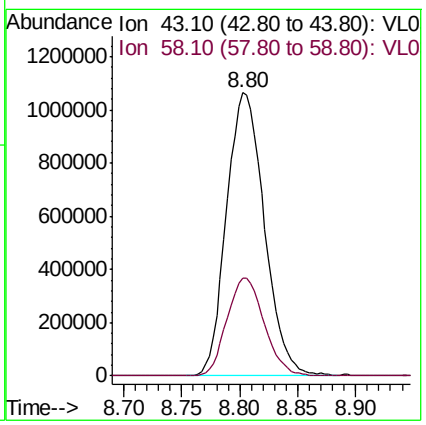


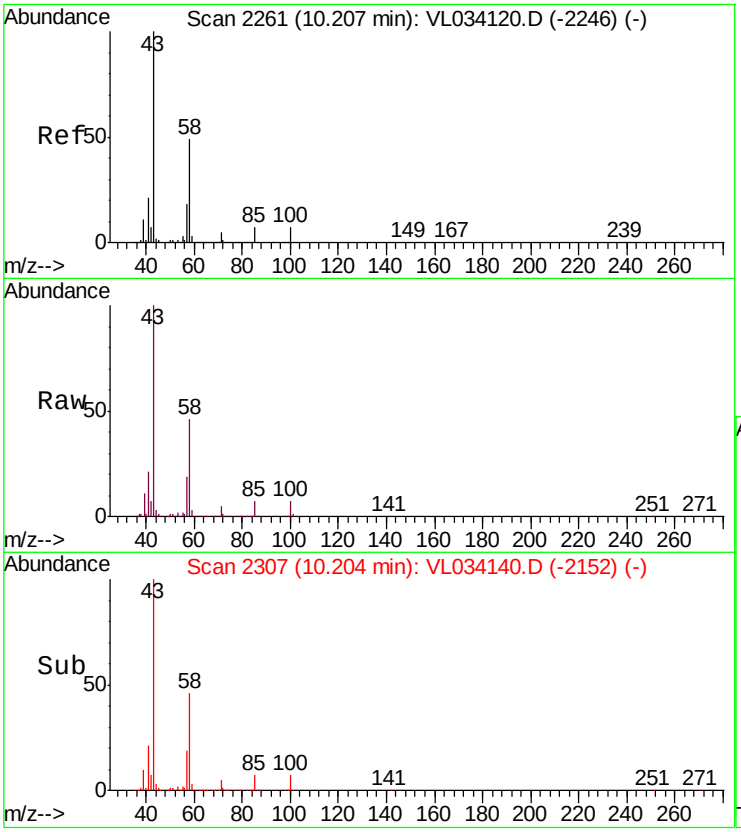


#50
4-Methyl-2-Pentanone
Concen: 8.859 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 43 Resp: 2403362

Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.5	42.7



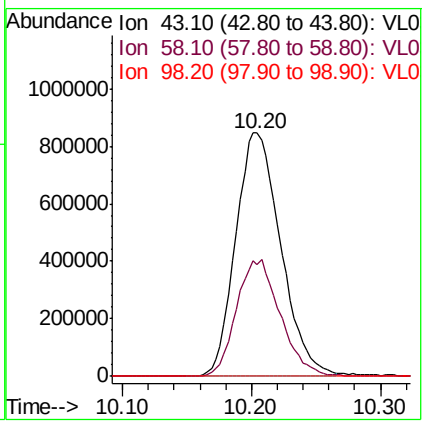


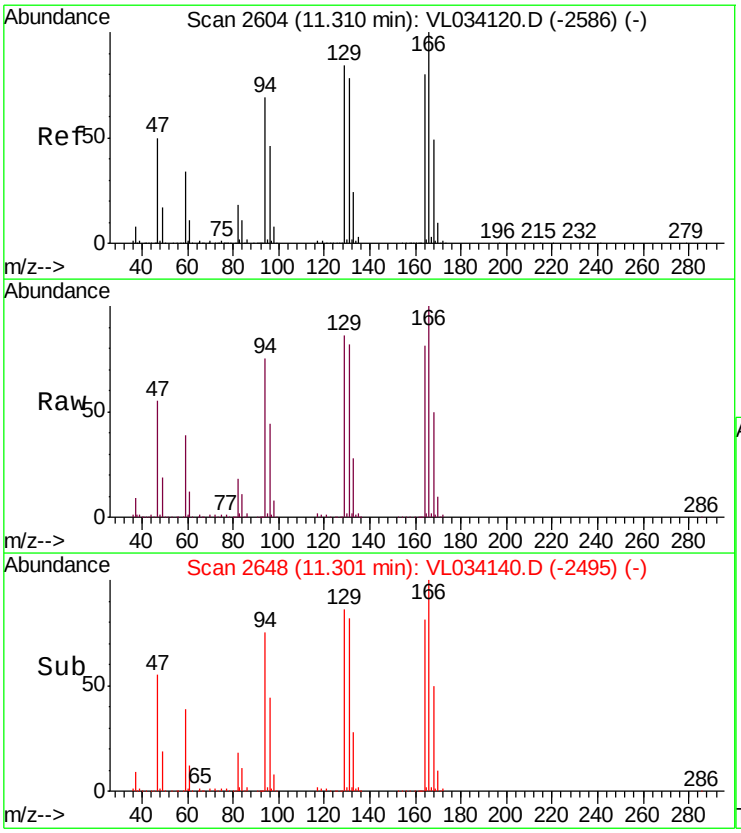
#51
2-Hexanone
Concen: 8.766 ppbv
RT: 10.20 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 2054424

Ion	Ratio	Lower	Upper
43	100		
58	46.9	38.2	57.2
98	0.1	0.1	0.1#

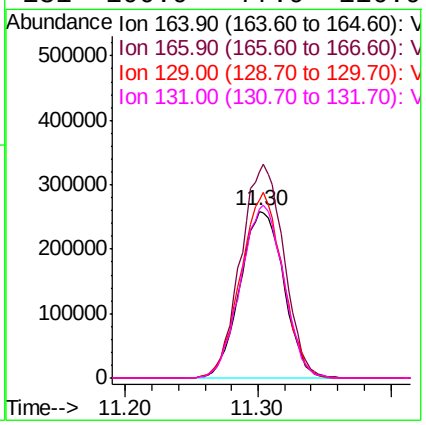


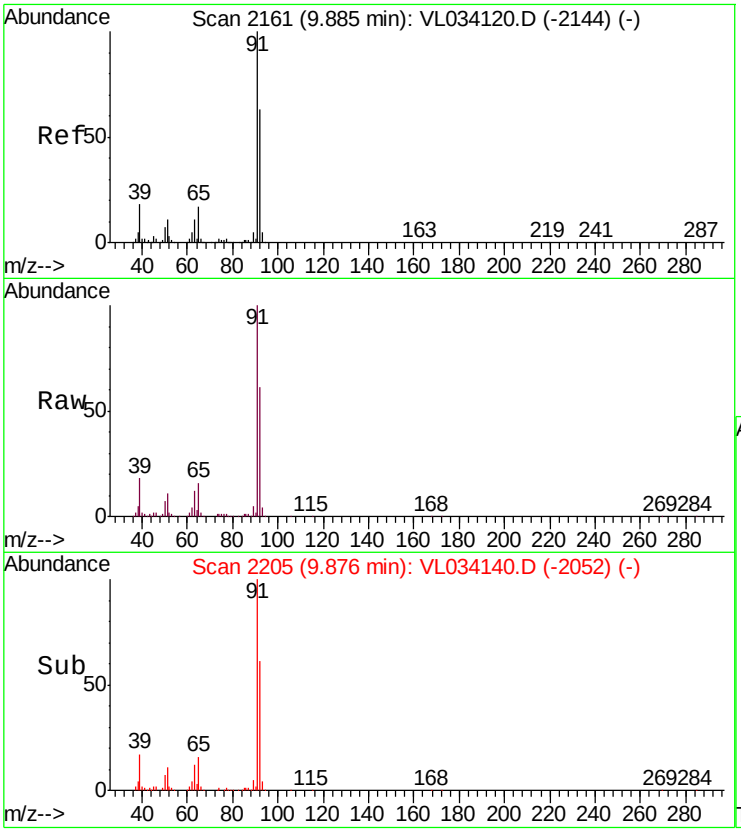


#52
Tetrachloroethene
Concen: 7.942 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:164 Resp: 591987

Ion	Ratio	Lower	Upper
164	100		
166	123.7	99.5	149.3
129	106.6	83.6	125.4
131	100.9	77.9	116.9



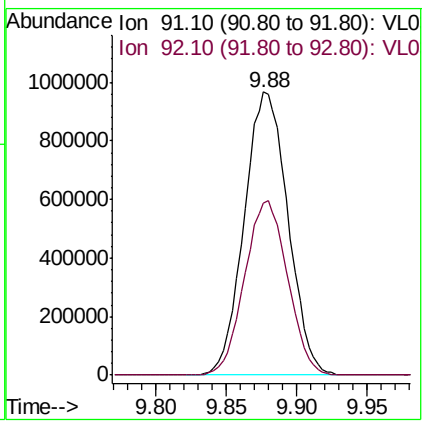


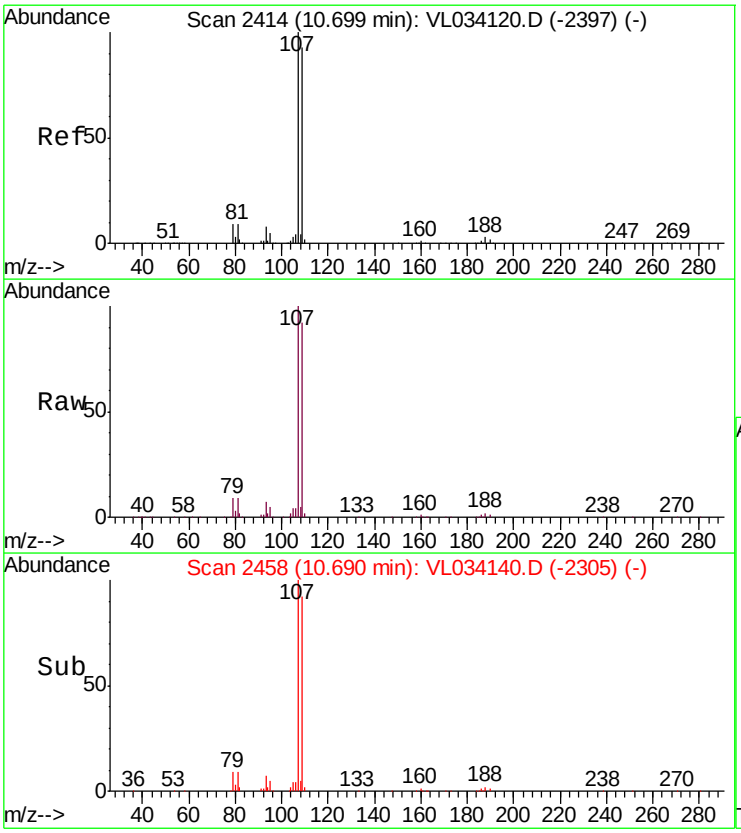
#53
Toluene
Concen: 8.959 ppbv
RT: 9.88 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 2094574

Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.3	73.9

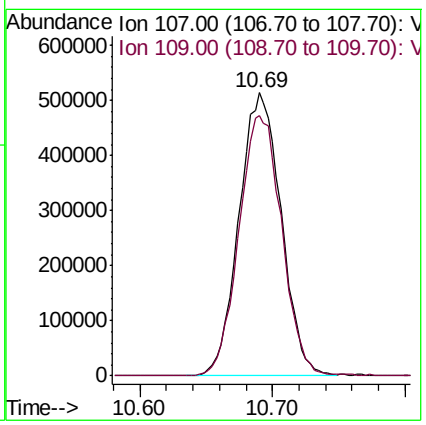


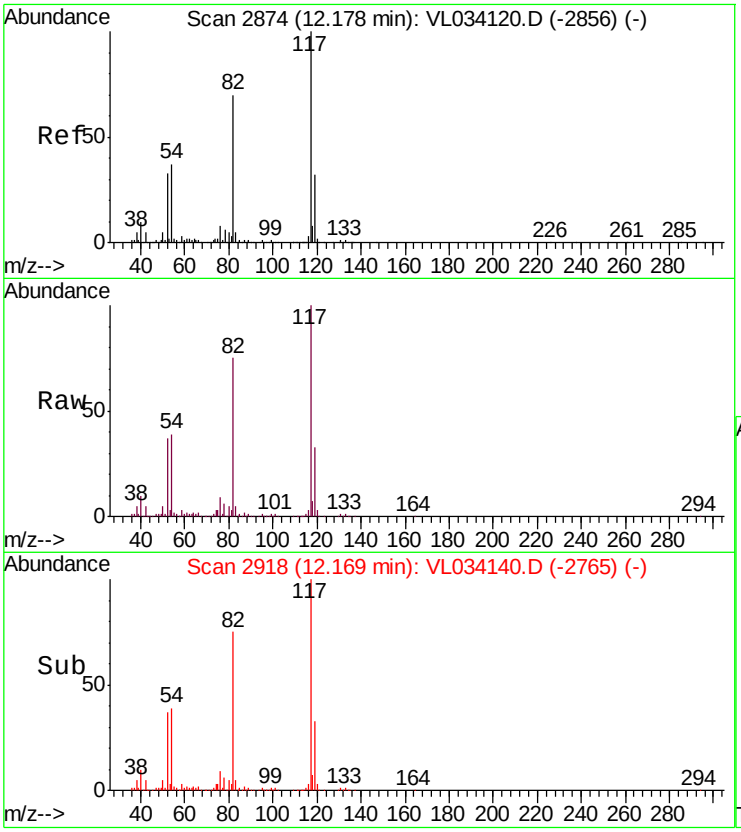


#54
1,2-Dibromoethane
Concen: 9.227 ppbv
RT: 10.69 min Scan# 2458
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:107 Resp: 1132871

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.5	111.7



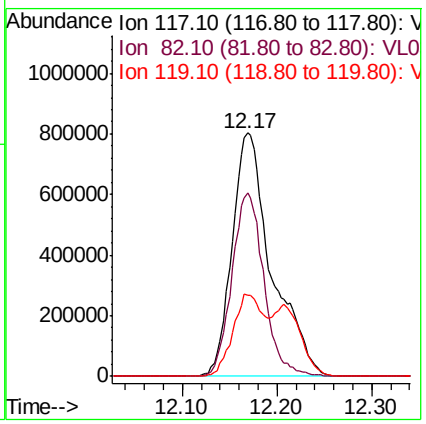


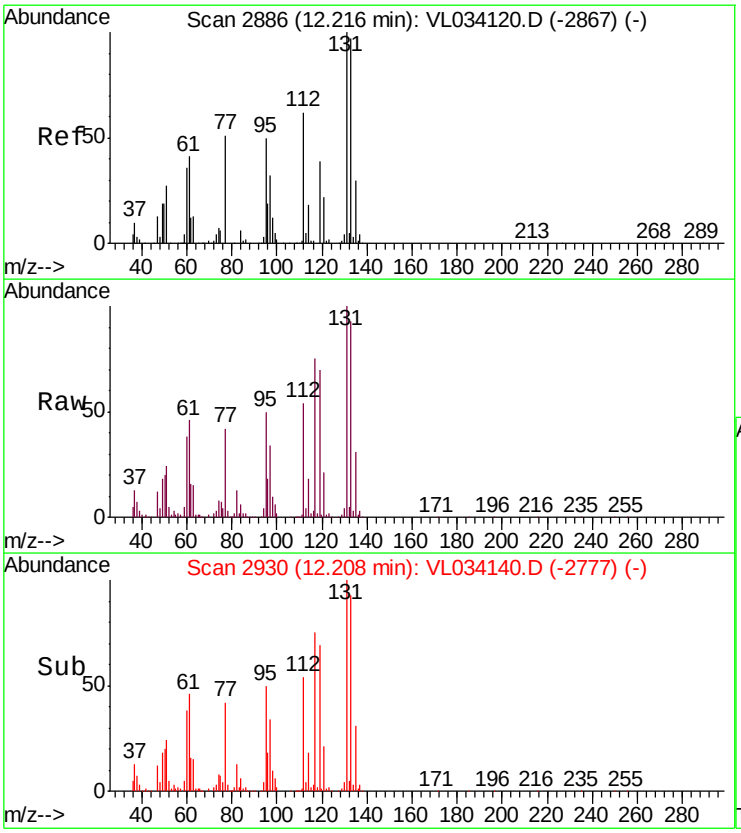
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:117 Resp: 2333199

Ion	Ratio	Lower	Upper
117	100		
82	61.1	55.8	83.6
119	25.1	43.1	64.7#

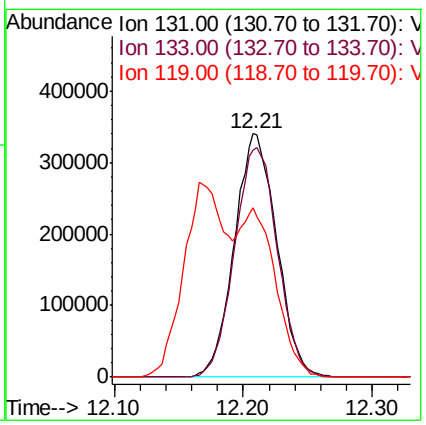


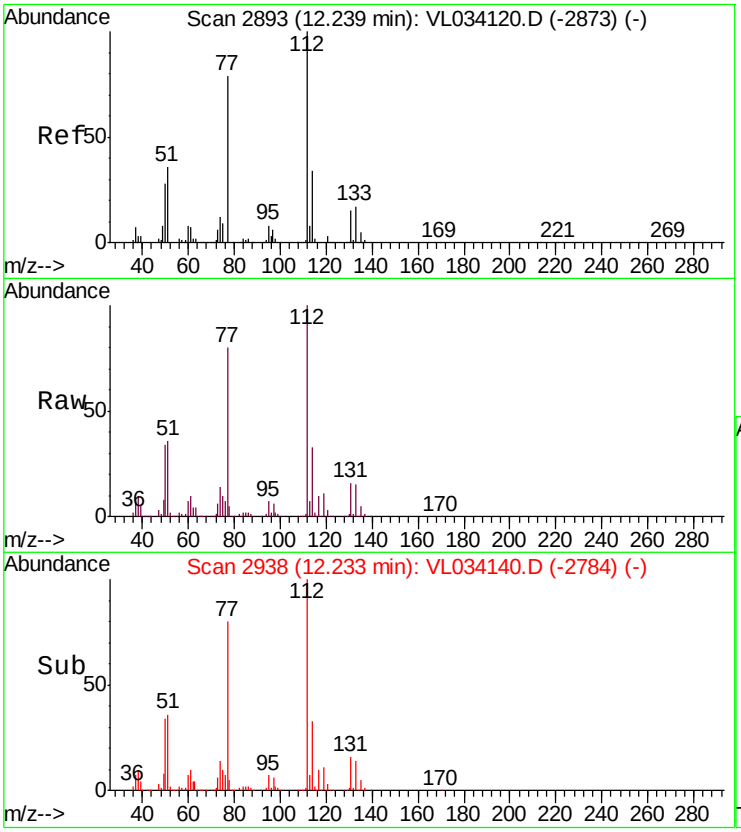


#56
1,1,1,2-Tetrachloroethane
Concen: 7.727 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:131 Resp: 773244

Ion	Ratio	Lower	Upper
131	100		
133	96.4	75.8	113.6
119	62.0	114.7	172.1#



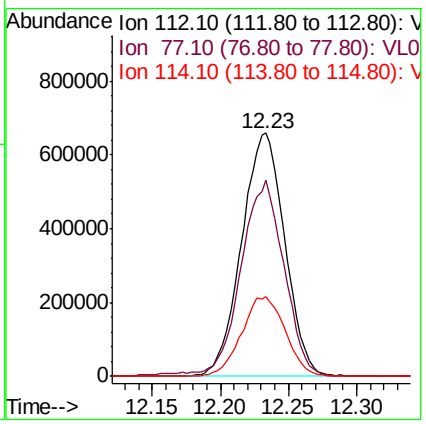


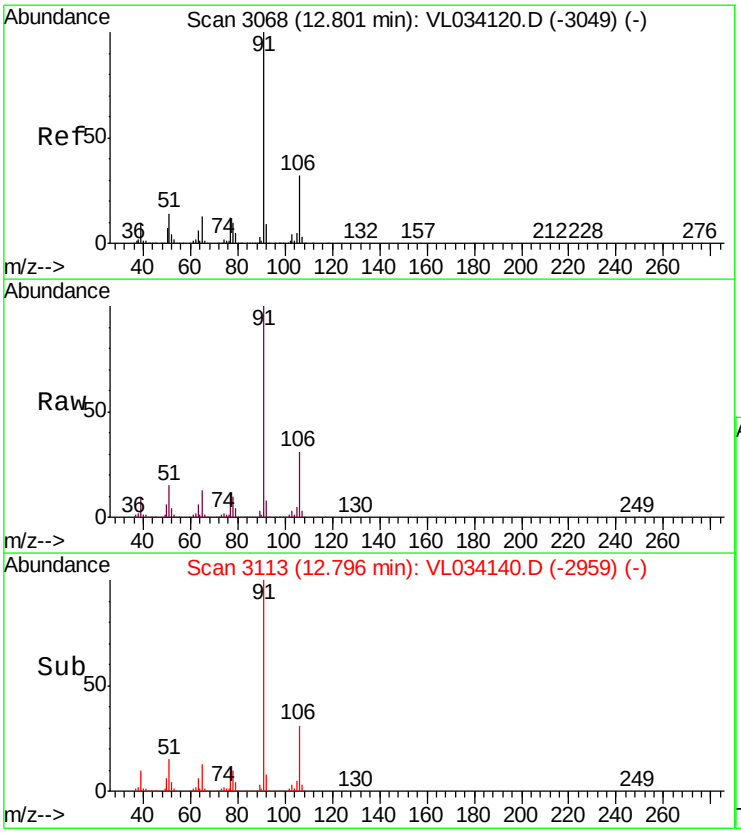
#57
Chlorobenzene
Concen: 7.201 ppbv
RT: 12.23 min Scan# 2938
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:112 Resp: 1445345

Ion	Ratio	Lower	Upper
112	100		
77	80.2	64.4	96.6
114	33.0	30.3	37.1

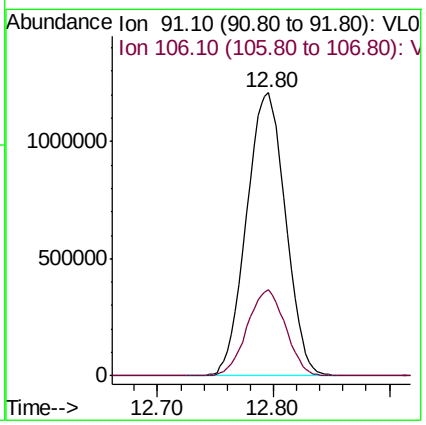


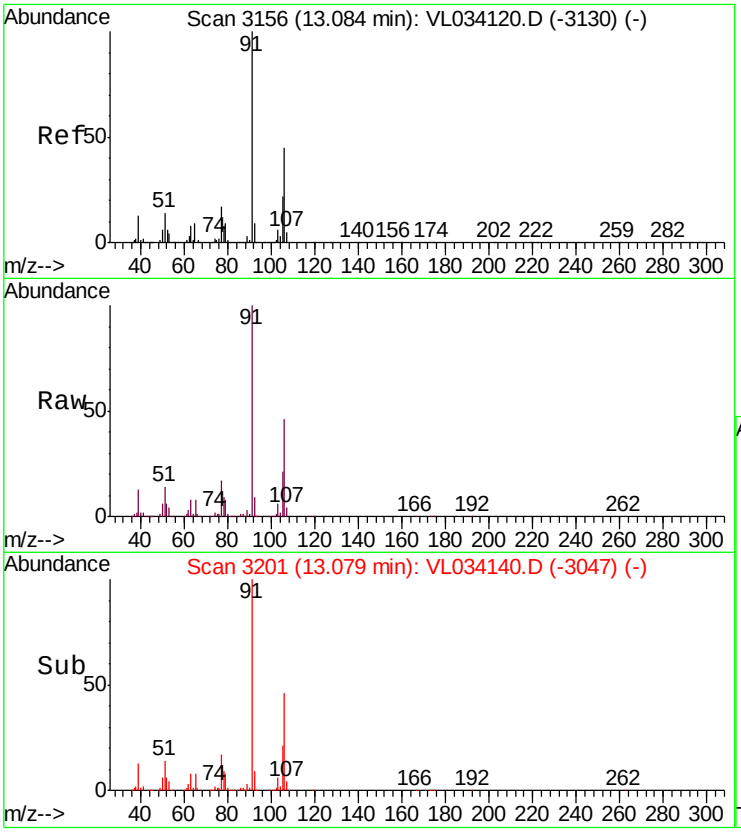


#58
Ethyl Benzene
Concen: 7.402 ppbv
RT: 12.80 min Scan# 3113
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 91 Resp: 2832130

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9



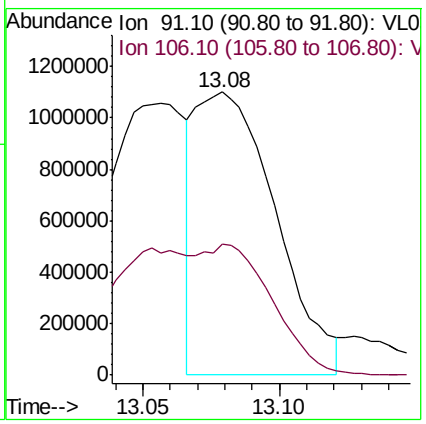


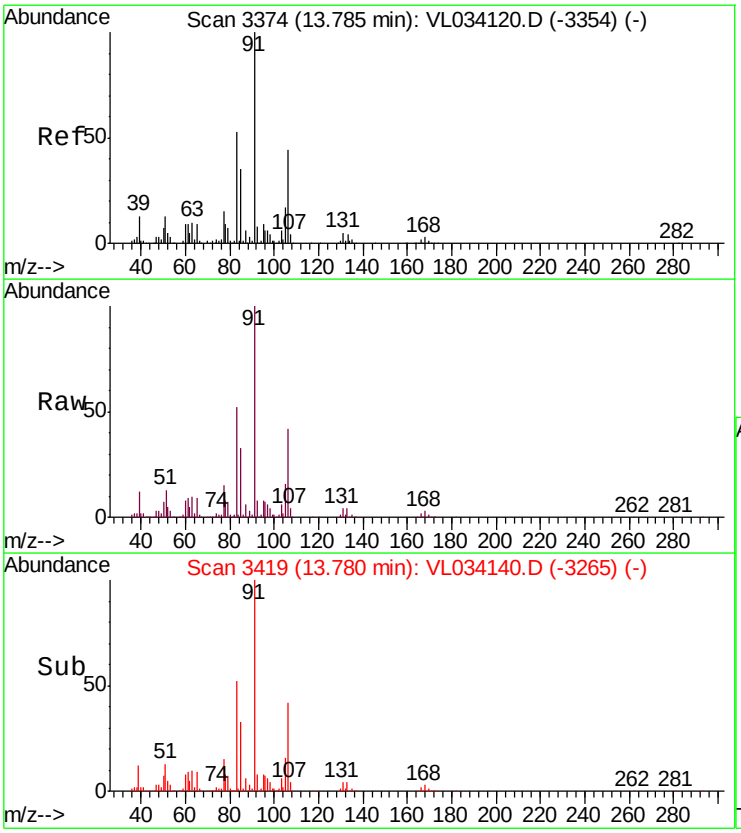
#59
m/p-Xylene
Concen: 7.174 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 2238947

Ion	Ratio	Lower	Upper
91	100		
106	89.4	35.4	53.2#

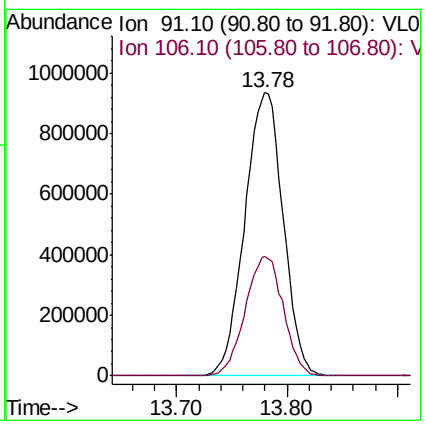


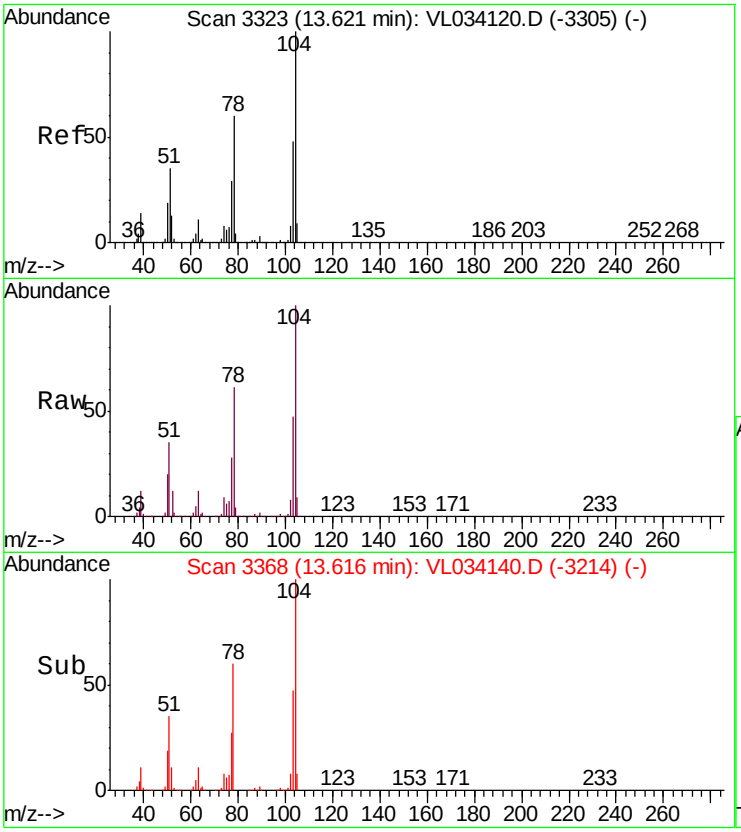


#60
o-Xylene
Concen: 7.264 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 91 Resp: 2258194

Ion	Ratio	Lower	Upper
91	100		
106	41.8	21.4	64.3



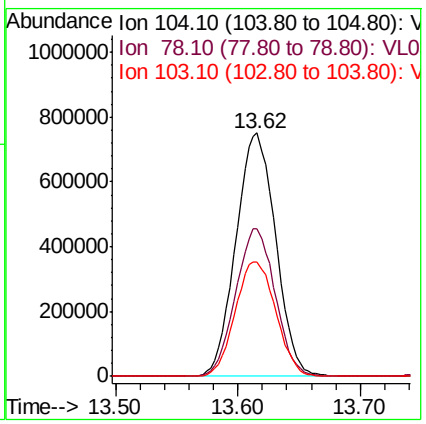


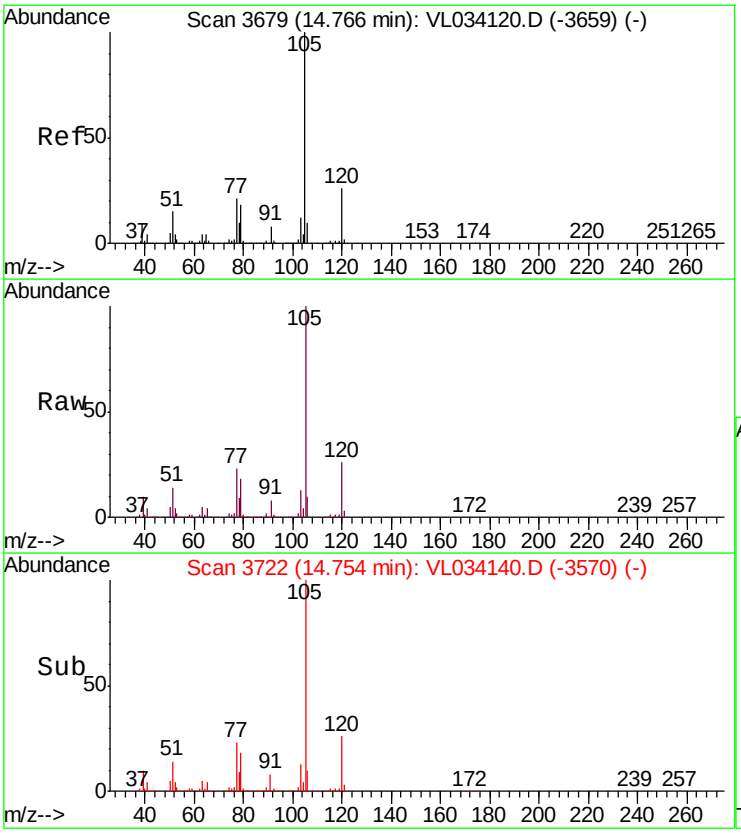
#61
Styrene
Concen: 7.252 ppbv
RT: 13.62 min Scan# 3368
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:104 Resp: 1686246

Ion	Ratio	Lower	Upper
104	100		
78	60.4	47.8	71.6
103	48.3	38.7	58.1

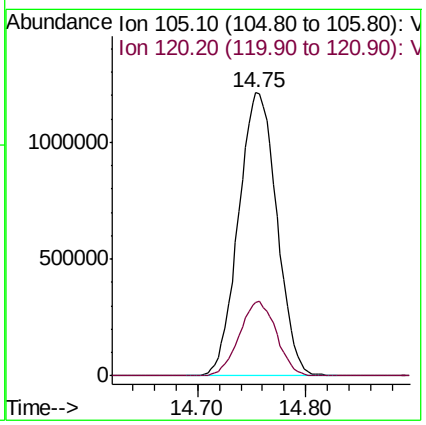


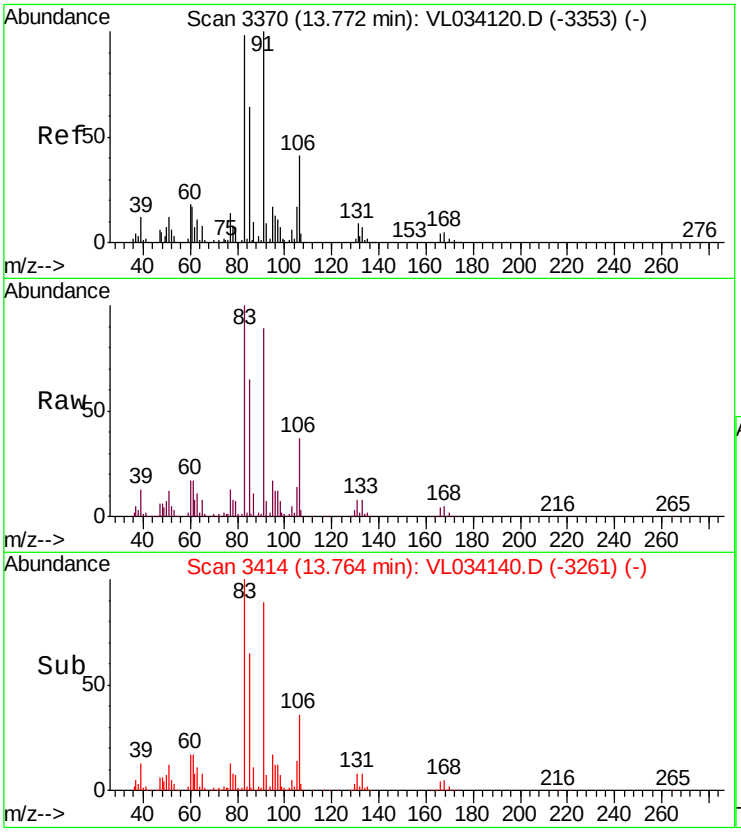


#62
Isopropylbenzene
Concen: 7.403 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:105 Resp: 2994152

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0



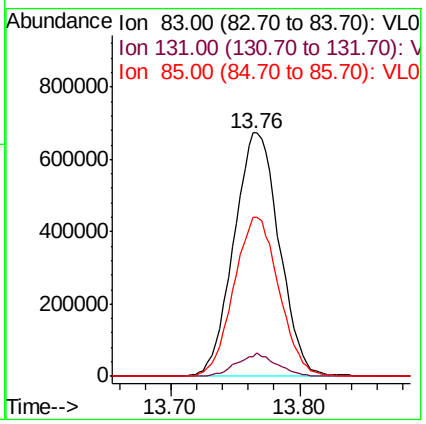


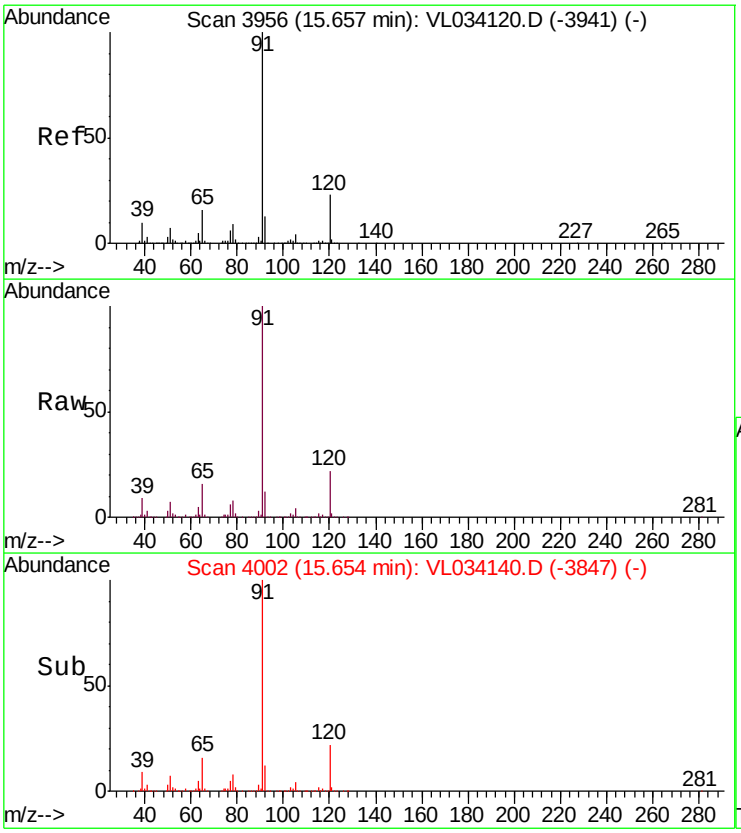
#63
1,1,2,2-Tetrachloroethane
Concen: 6.490 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 83 Resp: 1644157

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	65.5	32.5	97.5

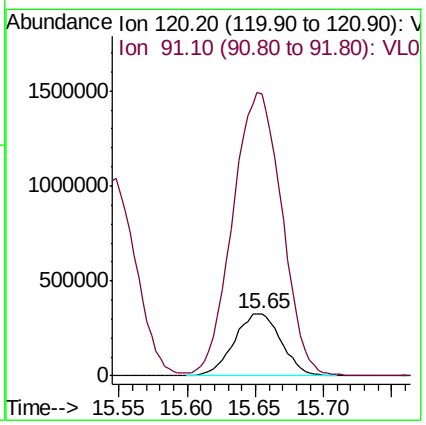


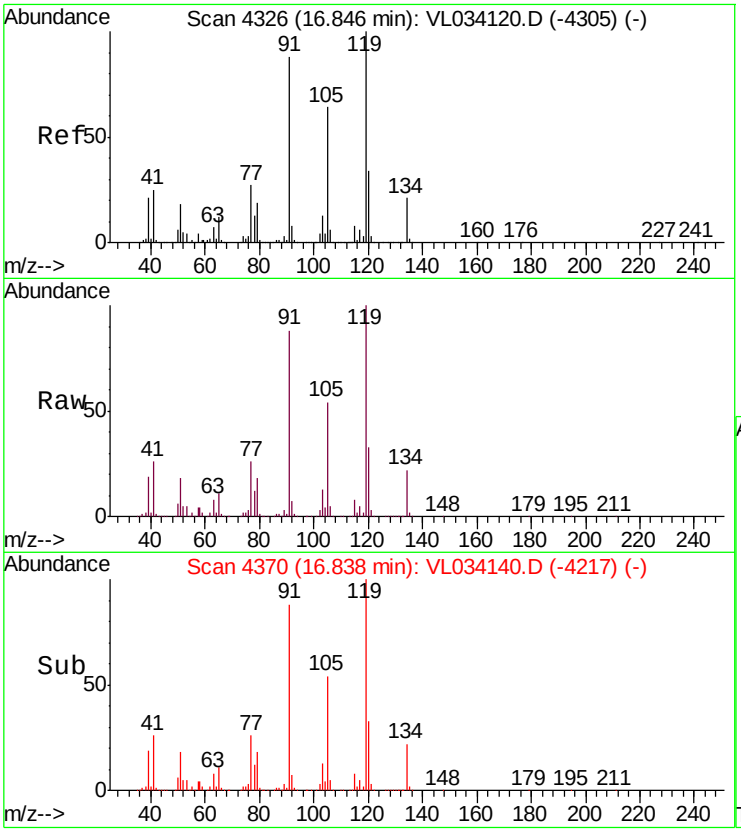


#64
n-propylbenzene
Concen: 7.696 ppbv
RT: 15.65 min Scan# 4002
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:120 Resp: 779767

Ion	Ratio	Lower	Upper
120	100		
91	480.2	376.8	565.2



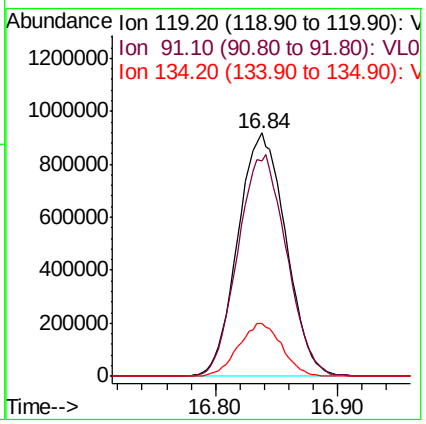


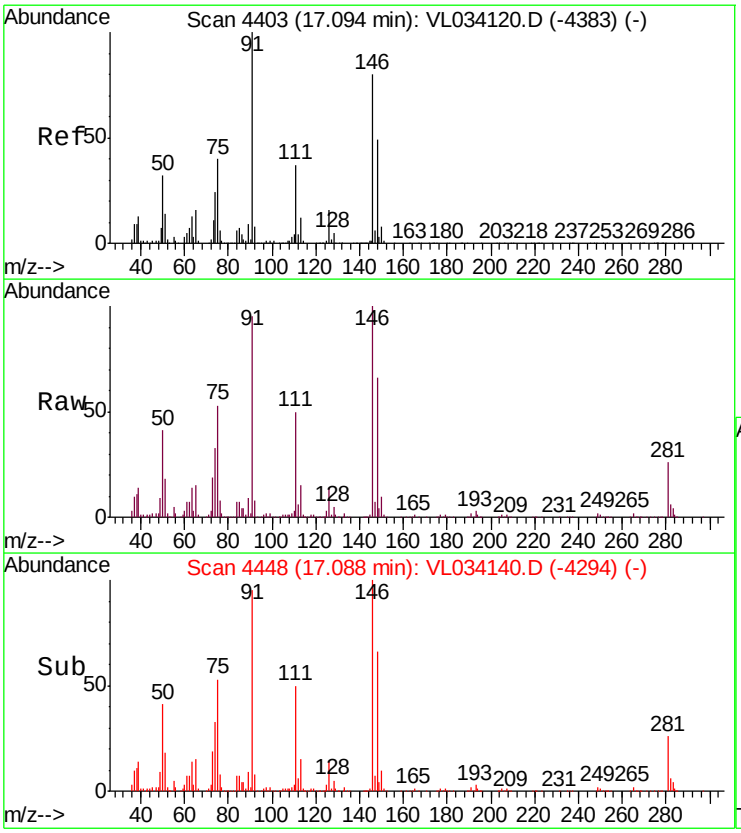
#65
tert-Butylbenzene
Concen: 7.156 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:119 Resp: 2497845

Ion	Ratio	Lower	Upper
119	100		
91	92.5	72.8	109.2
134	19.7	15.8	23.8

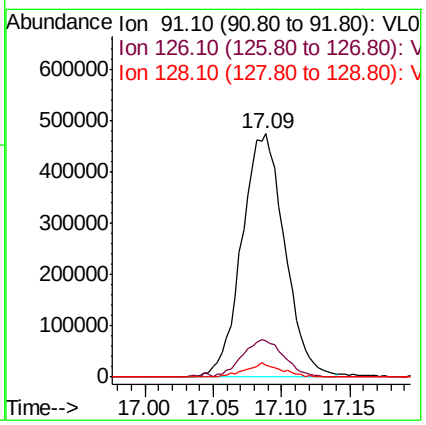


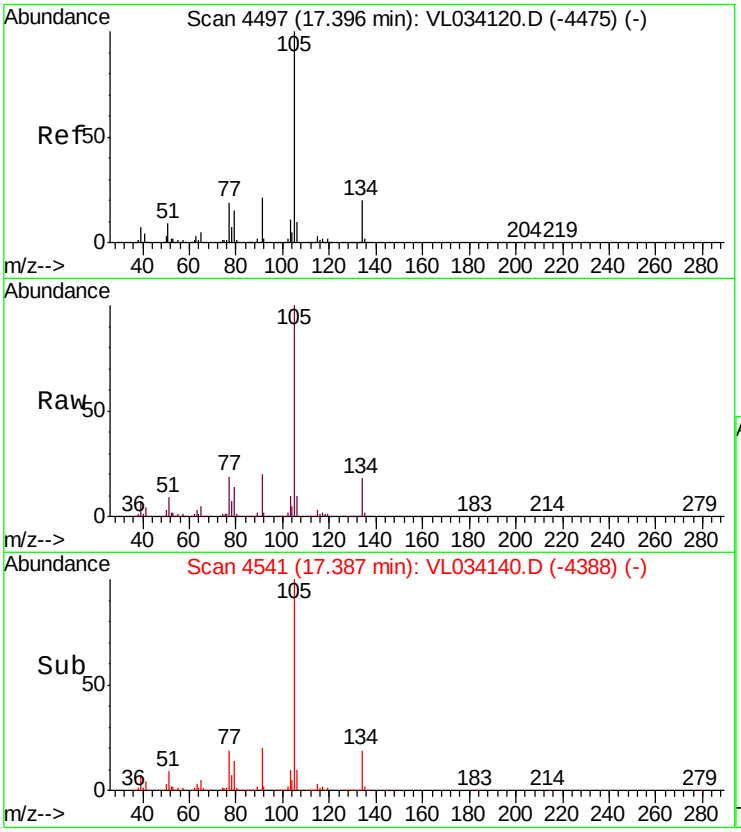


#66
Benzyl Chloride
Concen: 8.021 ppbv
RT: 17.09 min Scan# 4448
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 91 Resp: 1032251

Ion	Ratio	Lower	Upper
91	100		
126	15.7	13.7	20.5
128	5.1	4.2	6.4



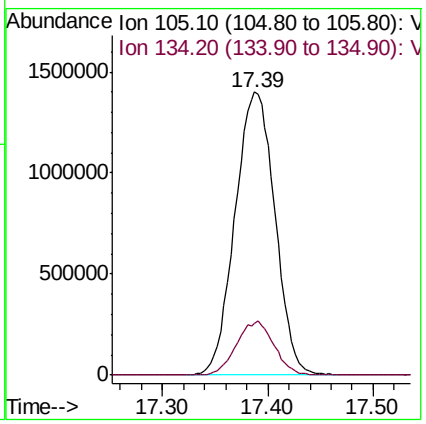


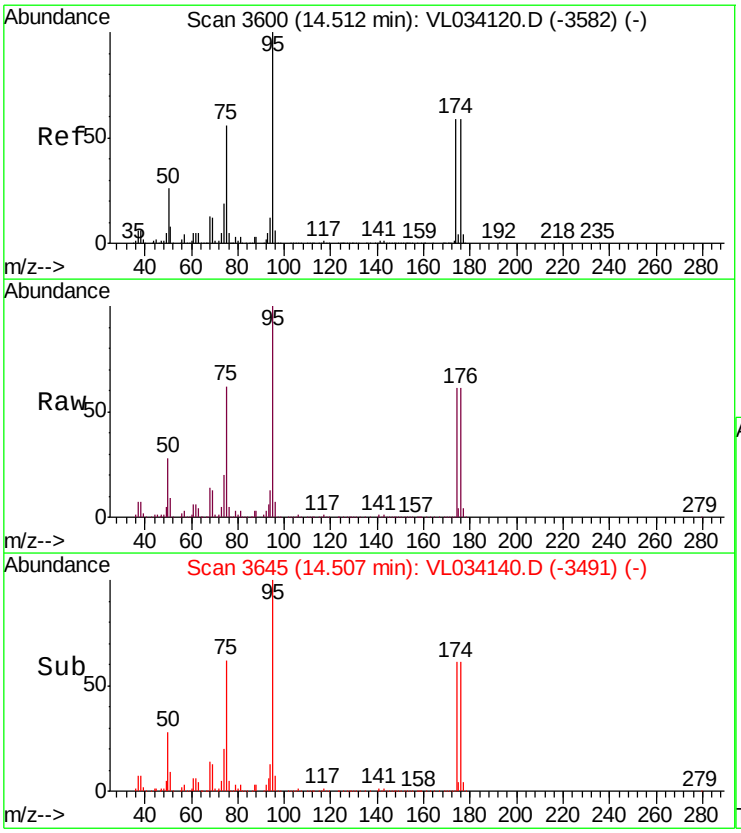
#67
sec-Butylbenzene
Concen: 7.322 ppbv
RT: 17.39 min Scan# 4541
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:105 Resp: 3675234

Ion	Ratio	Lower	Upper
105	100		
134	18.0	15.0	22.4

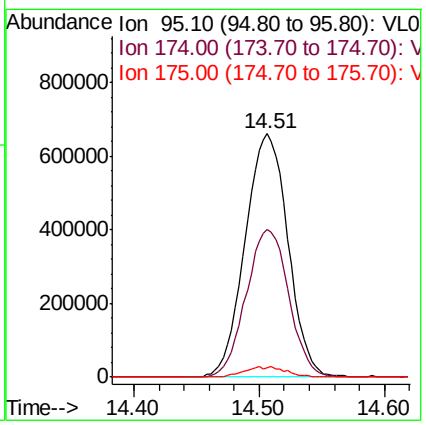


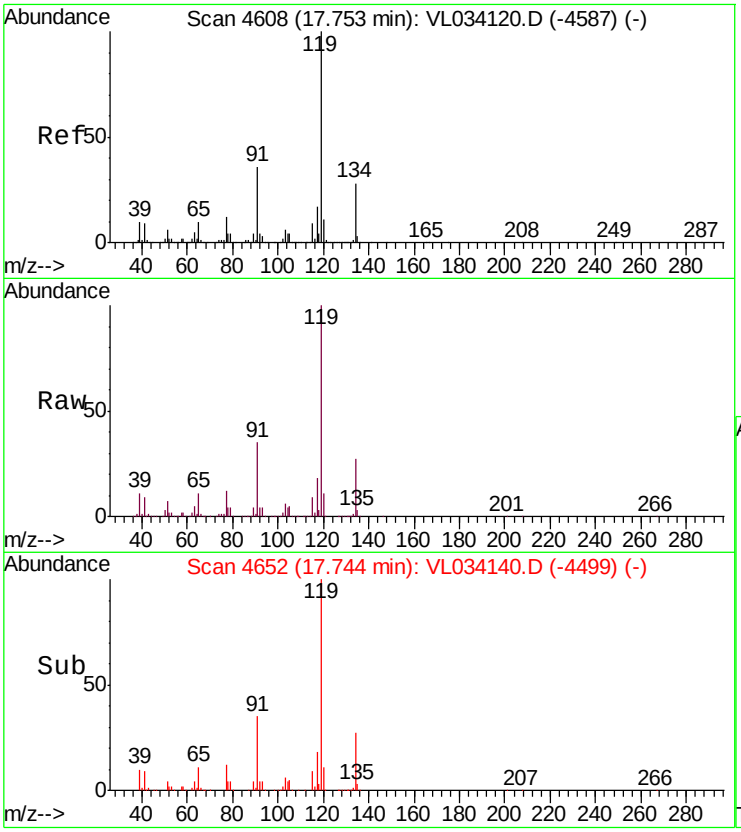


#68
1-Bromo-4-Fluorobenzene
Concen: 8.219 ppbv
RT: 14.51 min Scan# 3645
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 95 Resp: 1567752

Ion	Ratio	Lower	Upper
95	100		
174	60.6	48.1	72.1
175	4.2	3.5	5.3



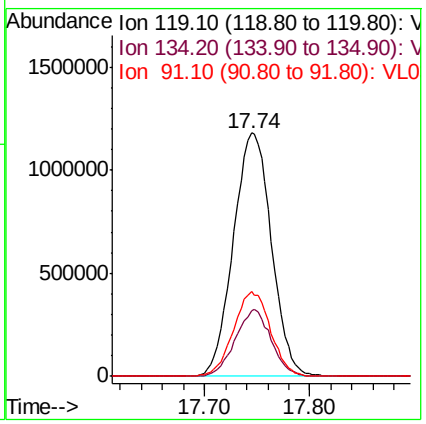


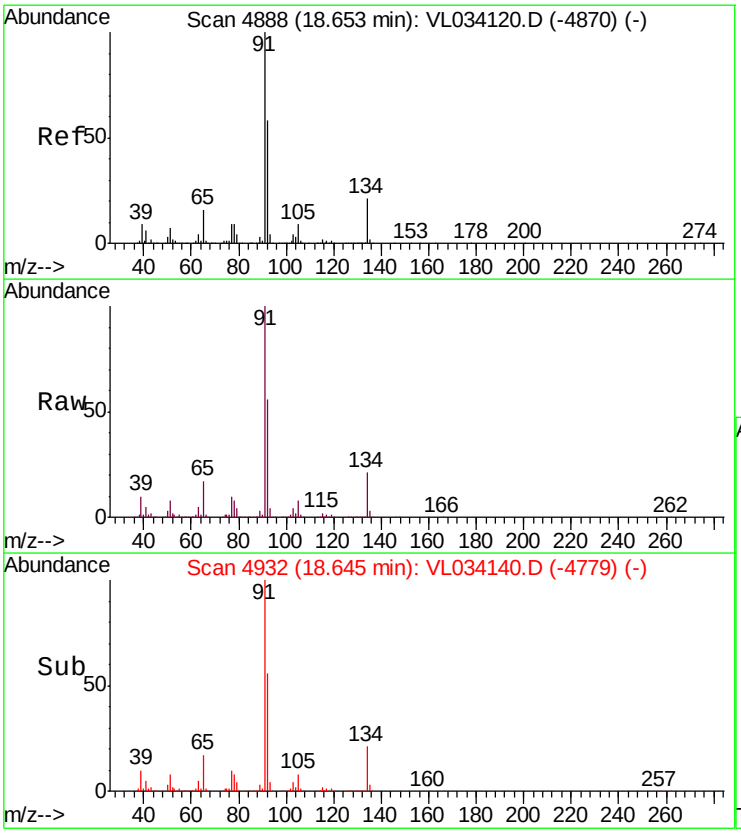
#69
p-Isopropyltoluene
Concen: 7.366 ppbv
RT: 17.74 min Scan# 4652
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:119 Resp: 2958273

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.8	31.2
91	33.9	27.2	40.8

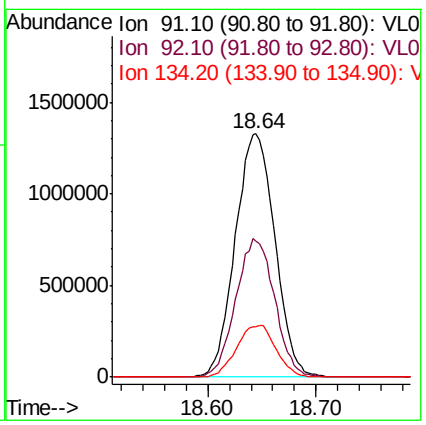


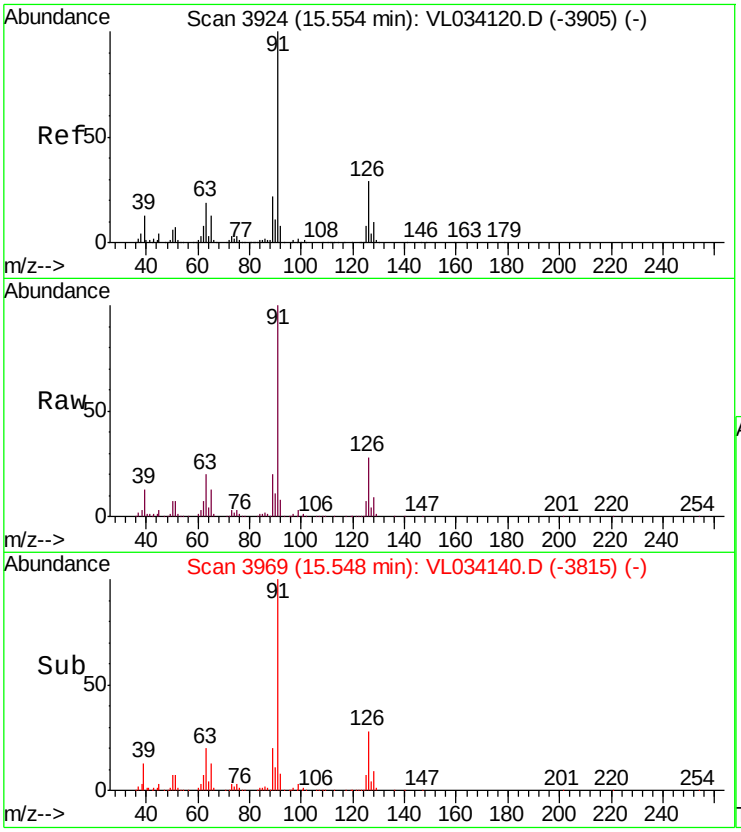


#70
n-Butylbenzene
Concen: 7.418 ppbv
RT: 18.64 min Scan# 4932
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion: 91 Resp: 3389718

Ion	Ratio	Lower	Upper
91	100		
92	55.6	45.3	67.9
134	21.3	17.4	26.0



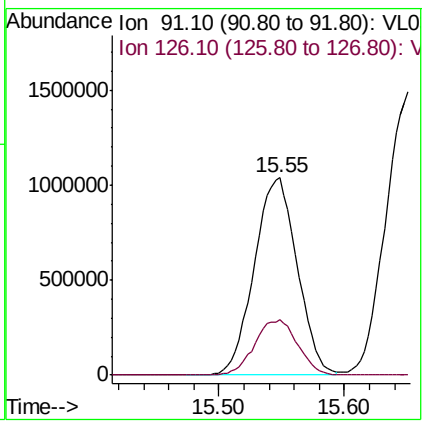


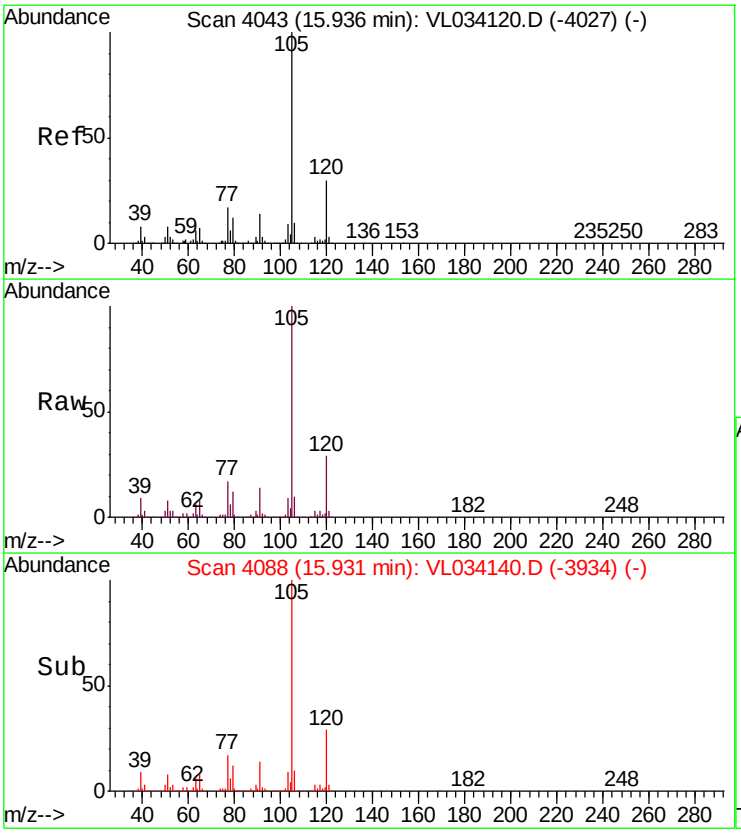
#71
2-Chlorotoluene
Concen: 7.482 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 2472047

Ion	Ratio	Lower	Upper
91	100		
126	28.2	11.4	45.4

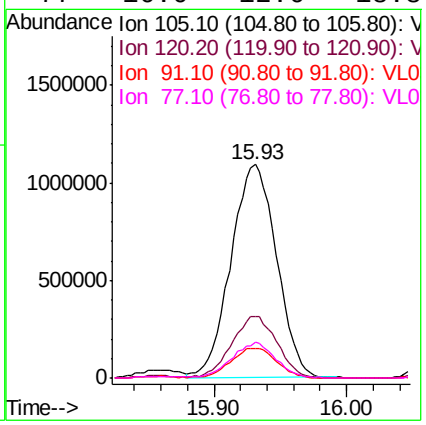


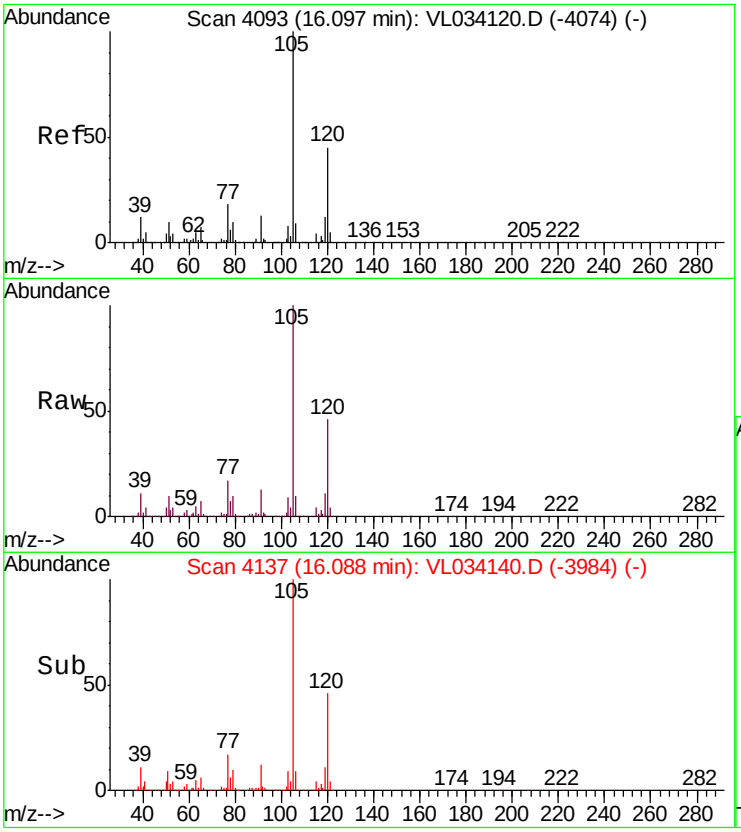


#72
4-Ethyltoluene
Concen: 7.430 ppbv
RT: 15.93 min Scan# 4088
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:105 Resp: 2606039

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.8	35.6
91	13.9	11.4	17.0
77	16.0	12.6	18.8



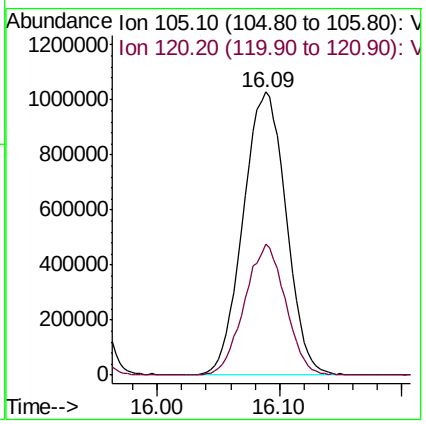


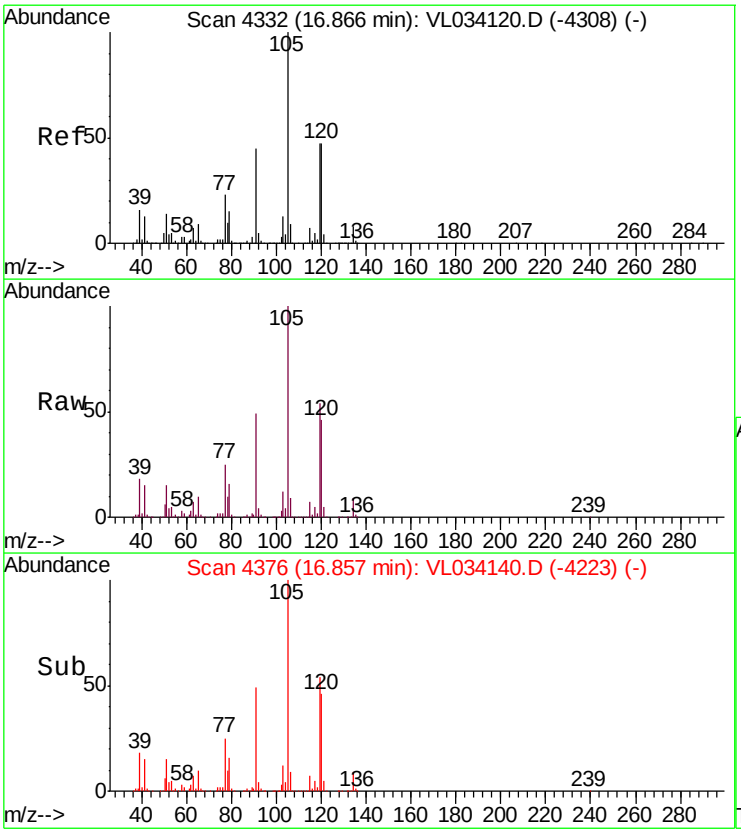
#73
1,3,5-Trimethylbenzene
Concen: 7.336 ppbv
RT: 16.09 min Scan# 4137
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:105 Resp: 2500813

Ion	Ratio	Lower	Upper
105	100		
120	46.3	35.8	53.8

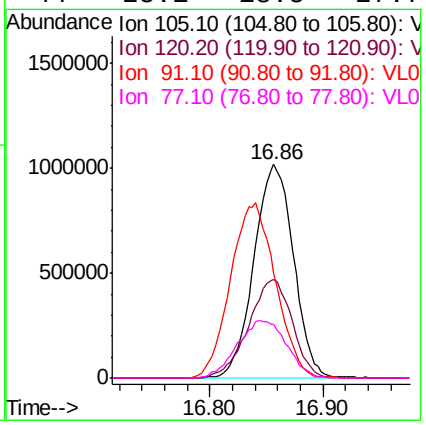


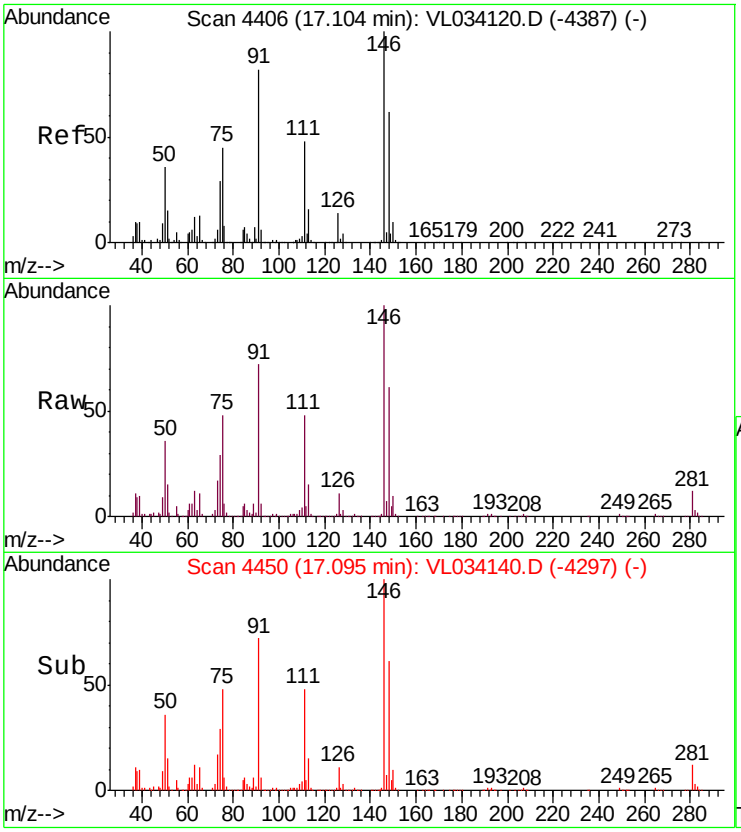


#74
1,2,4-Trimethylbenzene
Concen: 7.018 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:105 Resp: 2463297

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.7	56.5
91	48.8	36.2	54.2
77	25.1	18.5	27.7



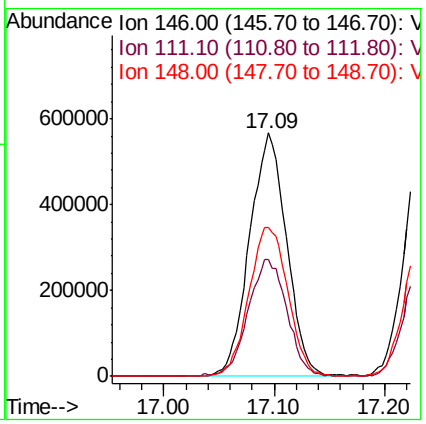


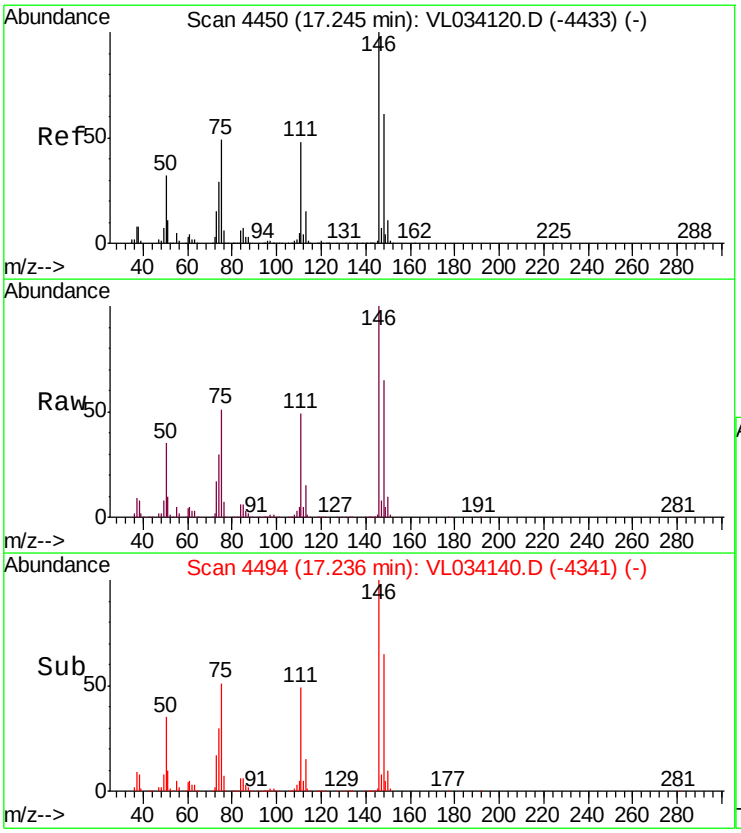
#75
1,3-Dichlorobenzene
Concen: 7.066 ppbv
RT: 17.09 min Scan# 4450
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:146 Resp: 1314090

Ion	Ratio	Lower	Upper
146	100		
111	50.6	24.9	74.7
148	64.9	32.5	97.5

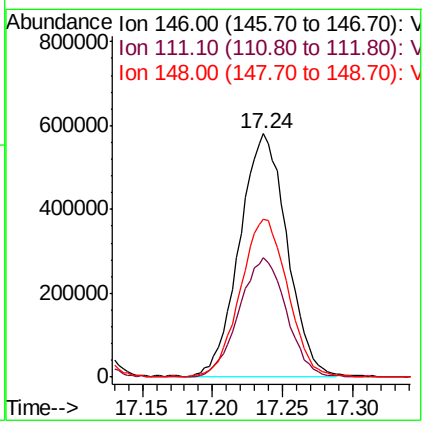


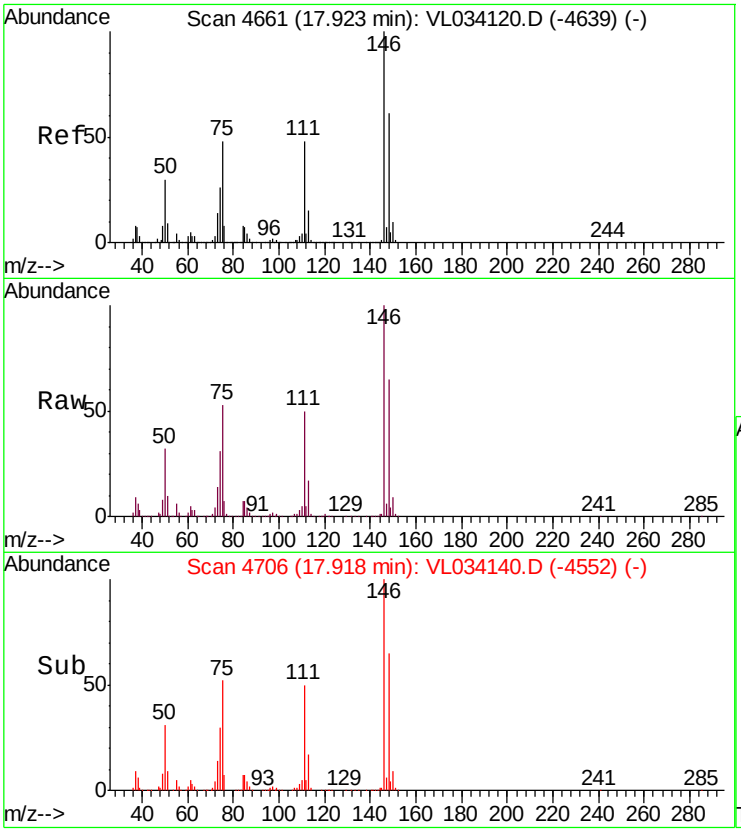


#76
1,4-Dichlorobenzene
Concen: 6.960 ppbv
RT: 17.24 min Scan# 4494
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:146 Resp: 1356681

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.3	72.8
148	65.7	32.6	98.0



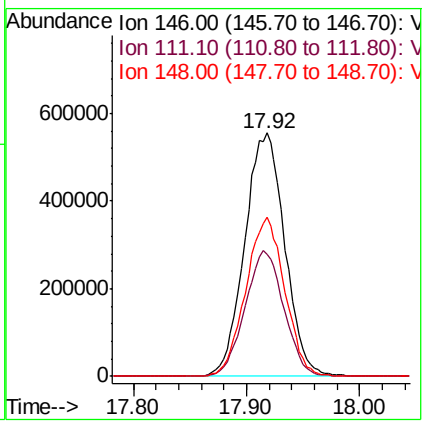


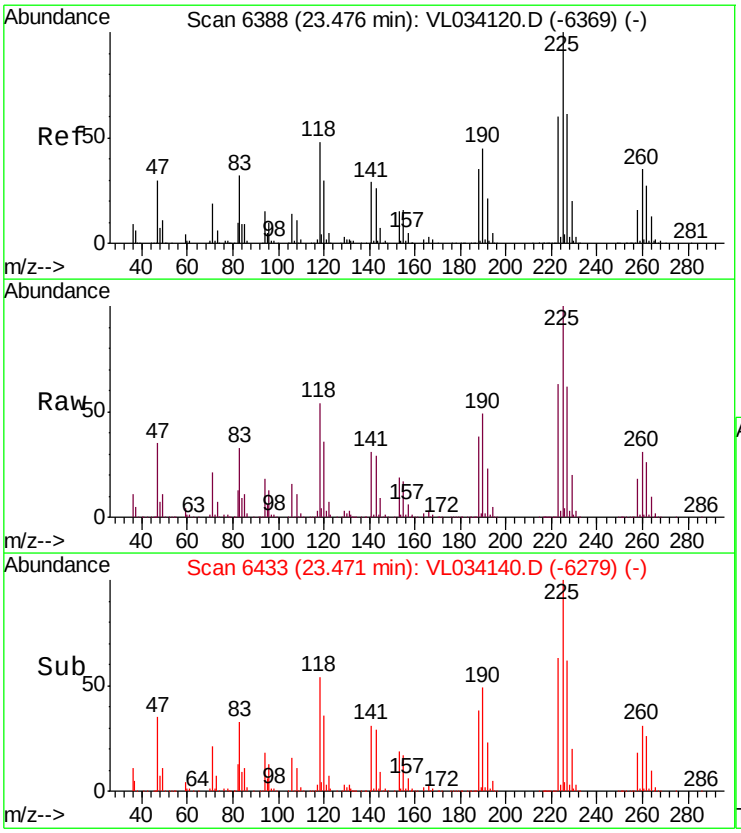
#77
1,2-Dichlorobenzene
Concen: 7.155 ppbv
RT: 17.92 min Scan# 4706
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:146 Resp: 1362285

Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.1	75.4
148	63.7	32.0	96.2

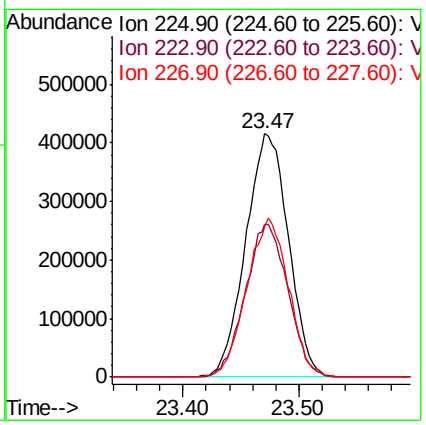


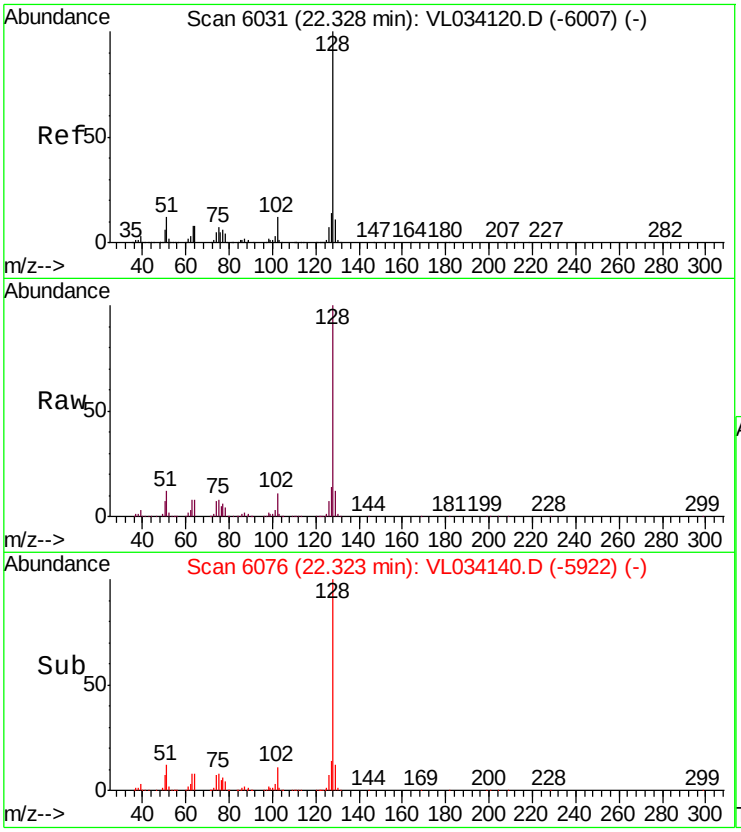


#78
Hexachloro-1,3-Butadiene
Concen: 8.199 ppbv
RT: 23.47 min Scan# 6433
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:225 Resp: 1065101

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	63.8	50.9	76.3



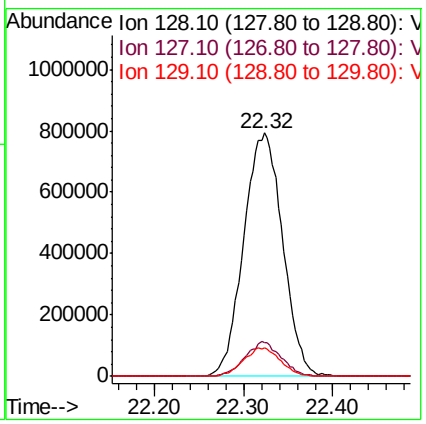


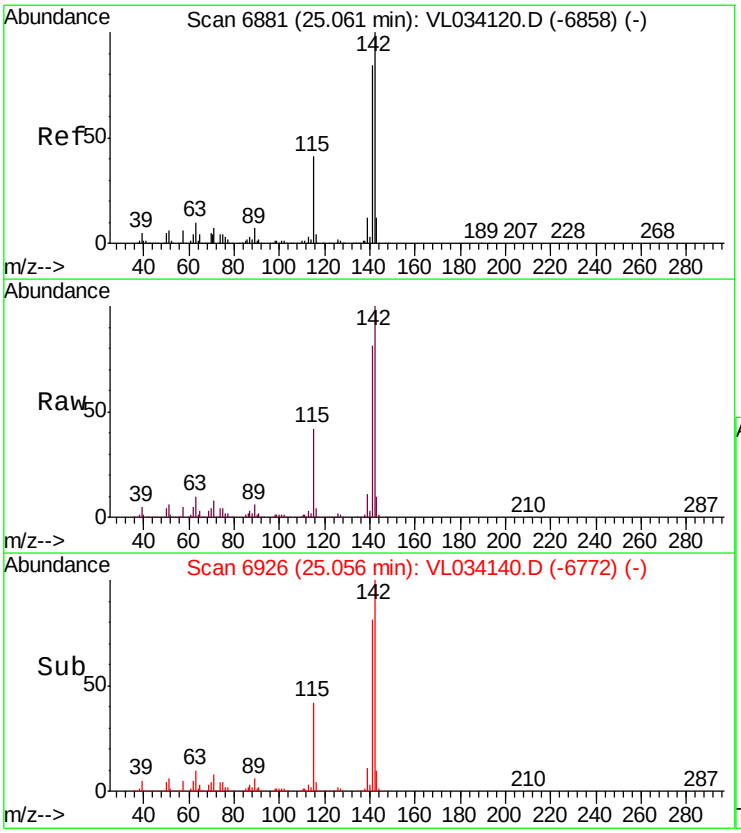
#79
Naphthalene
Concen: 7.579 ppbv
RT: 22.32 min Scan# 6076
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:128 Resp: 2404944

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.9	16.3
129	11.8	8.5	12.7

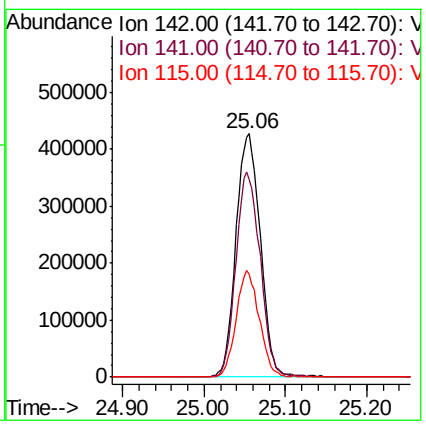


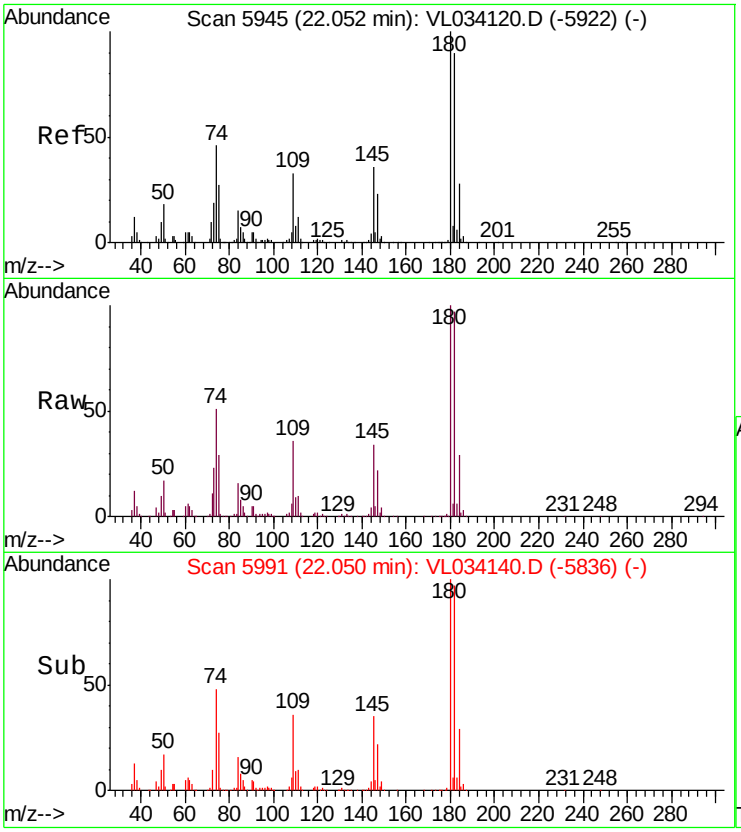


#80
Naphthalene,2-methyl-
Concen: 8.022 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. -0.01 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Tgt Ion:142 Resp: 883594

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.6	101.4
115	41.6	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 7.015 ppbv
RT: 22.05 min Scan# 5991
Delta R.T. -0.00 min
Lab File: VL034140.D
Acq: 10 Sep 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:180 Resp: 1211209

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	30.6	25.5	38.3