Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034463.D
Acq On : 9 Dec 2019 12:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 10 03:38:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	915718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1861638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2366998	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1606652	8.07	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1169166	7.058	ppbv	97
3) Chlorodifluoromethane	2.96	51	1030685	9.021	ppbv	99
4) Chloromethane	3.11	50	546707	8.112	ppbv	98
5) Vinyl Chloride	3.23	62	536182	8.492	ppbv	89
6) Bromomethane	3.45	94	303448	9.551	ppbv	91
7) Chloroethane	3.53	64	203133	8.864	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1266526	8.513	ppbv	100
9) Propene	2.98	41	413093	8.144	ppbv	100
10) Heptane	8.15	43	1104863	8.440	ppbv	100
11) Trichlorofluoromethane	3.93	101	1450594	8.799	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	959987	8.768	ppbv	100
13) Ethanol	3.58	45	115780	8.194	ppbv	98
14) Bromoethene	3.72	108	387844	8.712	ppbv	99
15) Acetone	3.83	43	1034040	7.886	ppbv	99
16) 1,3-Butadiene	3.30	39	492585	8.624	ppbv	98
17) tert-Butyl alcohol	4.28	59	1075257	9.756	ppbv	100
18) 1,1-Dichloroethene	4.28	96	424417	8.862	ppbv	98
19) Isopropyl Alcohol	3.95	45	846466	10.071	ppbv	100
20) Methylene Chloride	4.33	84	369127	7.939	ppbv	90
21) Allyl Chloride	4.40	41	710261	9.039	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	426260	8.829	ppbv	96
23) Vinyl Acetate	5.07	43	1578153	9.213	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1128988	8.580	ppbv	100
25) Ethyl Acetate	5.68	43	1919230	8.202	ppbv	100
26) Hexane	5.69	57	834957	8.304	ppbv	99
27) Carbon Disulfide	4.54	76	1068229	9.754	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1477946	8.865	ppbv	100
29) Chloroform	5.76	83	1385498	8.509	ppbv	97
30) Cyclohexane	7.15	84	653940	8.603	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	895179	8.616	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	1416765	9.281	ppbv	99
34) 2-Butanone	5.24	43	1275539	8.324	ppbv	99
35) Carbon Tetrachloride	7.04	117	1472861	9.202	ppbv	99
36) Benzene	6.92	78	1588260	8.535	ppbv	94
37) 1,2-Dichloroethane	6.32	62	1196709	8.656	ppbv	99
38) Trichloroethene	7.87	130	617487	8.086	ppbv	98
39) 1,2-Dichloropropane	7.64	63	656255	9.153	ppbv	95
40) 1,4-Dioxane	7.86	88	254361	8.122	ppbv #	98
41) Tetrahydrofuran	6.06	42	718594	8.361	ppbv	100
42) Bromodichloromethane	7.82	83	1539372	8.903	ppbv	98
43) Methyl Methacrylate	8.04	69	676795	8.768	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034463.D
Acq On : 9 Dec 2019 12:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 10 03:38:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2881544	8.473	ppbv		99
45) t-1,3-Dichloropropene	9.32	75	891021	9.001	ppbv		96
46) cis-1,3-Dichloropropene	8.74	75	1009027	9.075	ppbv		98
47) 1,1,2-Trichloroethane	9.51	97	678109	8.503	ppbv		94
48) Dibromochloromethane	10.35	129	1262483	9.220	ppbv		100
49) Bromoform	13.10	173	1124929	9.203	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	1921285	8.666	ppbv		100
51) 2-Hexanone	10.17	43	1608948	8.664	ppbv		98
52) Tetrachloroethene	11.27	164	597258	7.418	ppbv		96
53) Toluene	9.84	91	1815013	8.586	ppbv		99
54) 1,2-Dibromoethane	10.66	107	1082624	8.854	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.18	131	851876	7.358	ppbv	#	61
57) Chlorobenzene	12.20	112	1399911	6.543	ppbv		96
58) Ethyl Benzene	12.76	91	2550830	6.944	ppbv		99
59) m/p-Xylene	13.05	91	2124856	6.692	ppbv	#	30
60) o-Xylene	13.74	91	2148975	6.845	ppbv		99
61) Styrene	13.58	104	1509284	6.667	ppbv		99
62) Isopropylbenzene	14.72	105	2840617	6.842	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1547882	6.559	ppbv		100
64) n-propylbenzene	15.62	120	726077	6.734	ppbv		91
65) tert-Butylbenzene	16.80	119	2568859	6.888	ppbv		99
66) Benzyl Chloride	17.05	91	1225587	8.542	ppbv		100
67) sec-Butylbenzene	17.36	105	3595801	6.892	ppbv		99
69) p-Isopropyltoluene	17.72	119	3001341	6.932	ppbv		99
70) n-Butylbenzene	18.62	91	3211455	6.893	ppbv		99
71) 2-Chlorotoluene	15.51	91	2235119	6.751	ppbv		99
72) 4-Ethyltoluene	15.90	105	2487181	6.857	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2373465	6.685	ppbv		96
74) 1,2,4-Trimethylbenzene	16.82	105	2488040	6.597	ppbv		94
75) 1,3-Dichlorobenzene	17.06	146	1388130	6.403	ppbv		100
76) 1,4-Dichlorobenzene	17.20	146	1398551	6.643	ppbv		98
77) 1,2-Dichlorobenzene	17.88	146	1374778	6.565	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	1170172	6.504	ppbv		99
79) Naphthalene	22.28	128	2143235	6.555	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	598139	4.051	ppbv		96
81) 1,2,4-Trichlorobenzene	22.01	180	1206857	6.008	ppbv		100

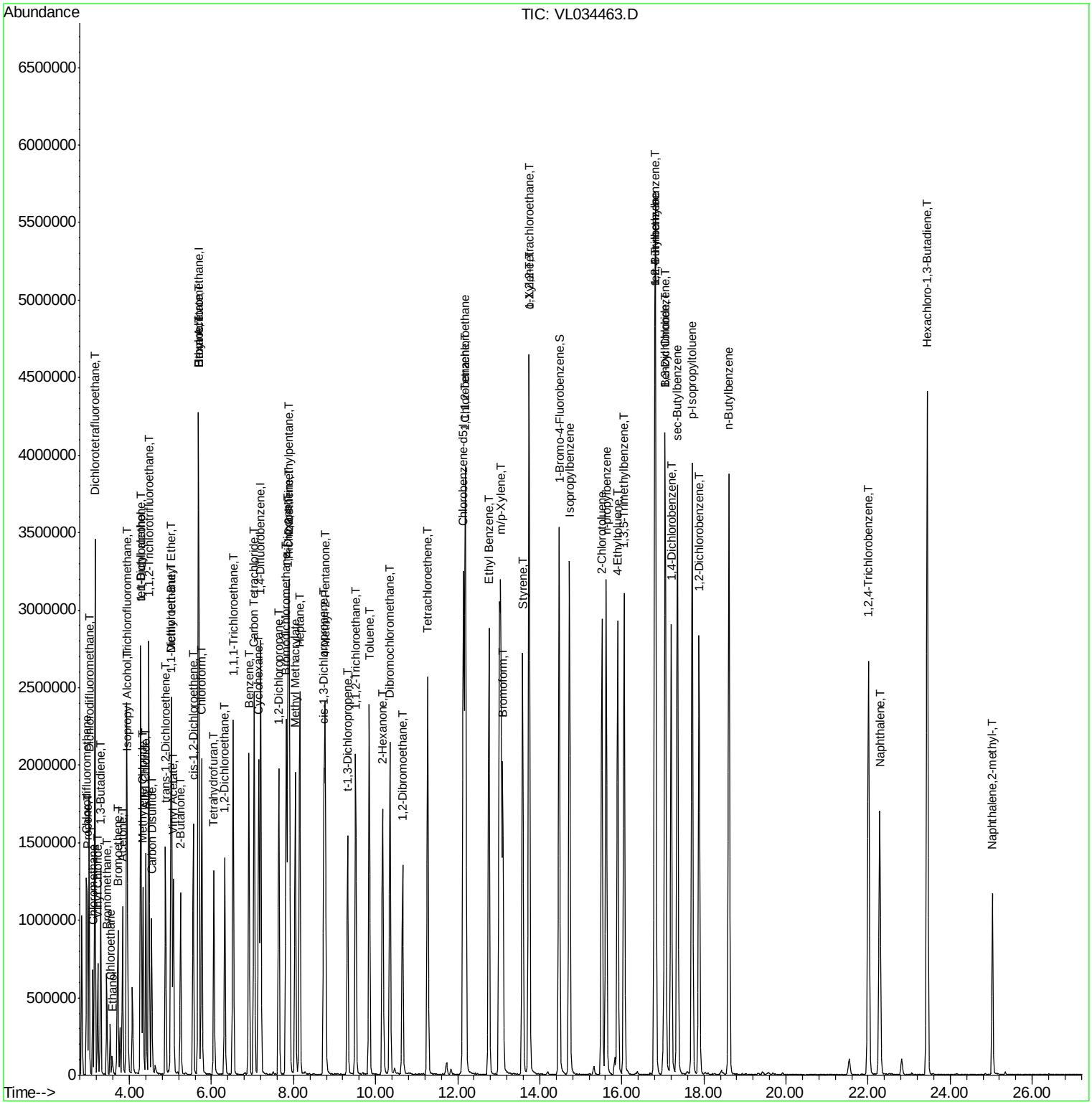
(#) = qualifier out of range (m) = manual integration (+) = signals summed

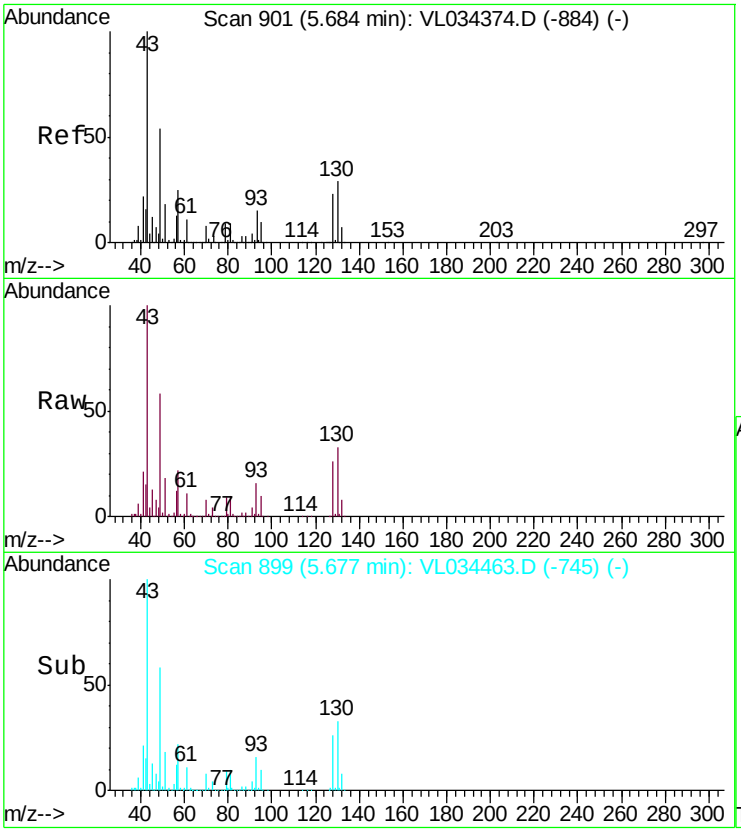
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034463.D
Acq On : 9 Dec 2019 12:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 10 03:38:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



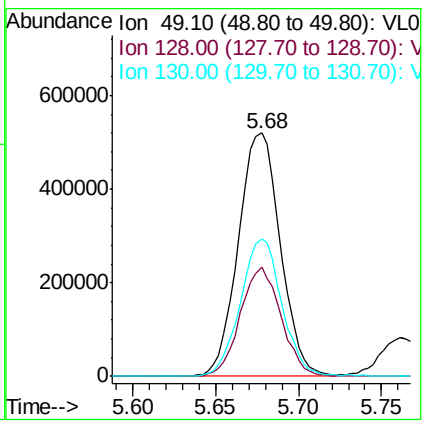


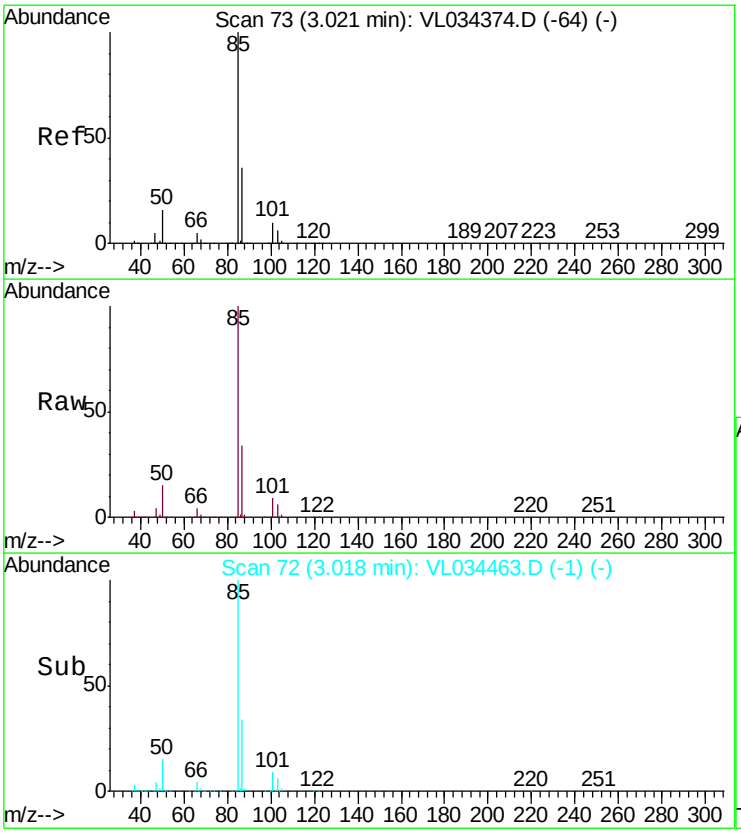
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 915718

Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.8	65.3
130	56.1	28.0	84.0

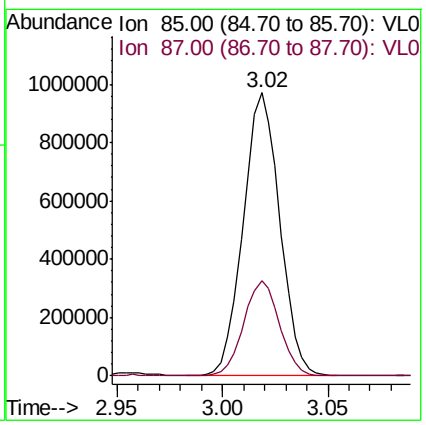


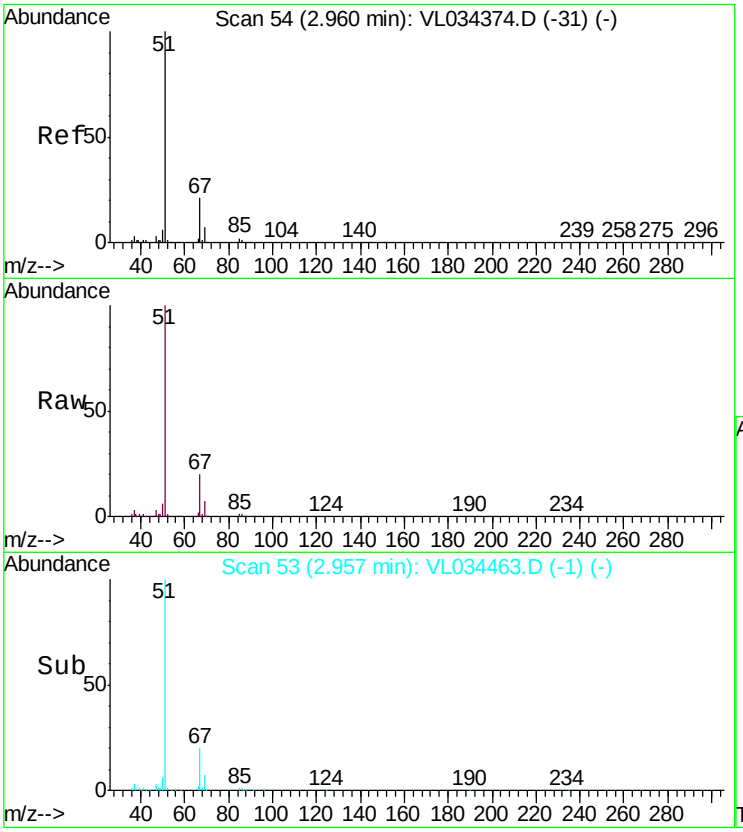


#2
Dichlorodifluoromethane
Concen: 7.058 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 85 Resp: 1169166

Ion	Ratio	Lower	Upper
85	100		
87	33.8	28.5	42.7



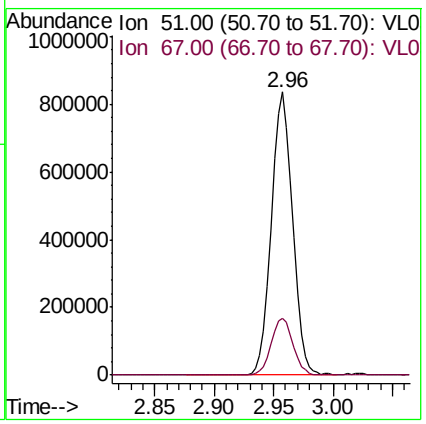


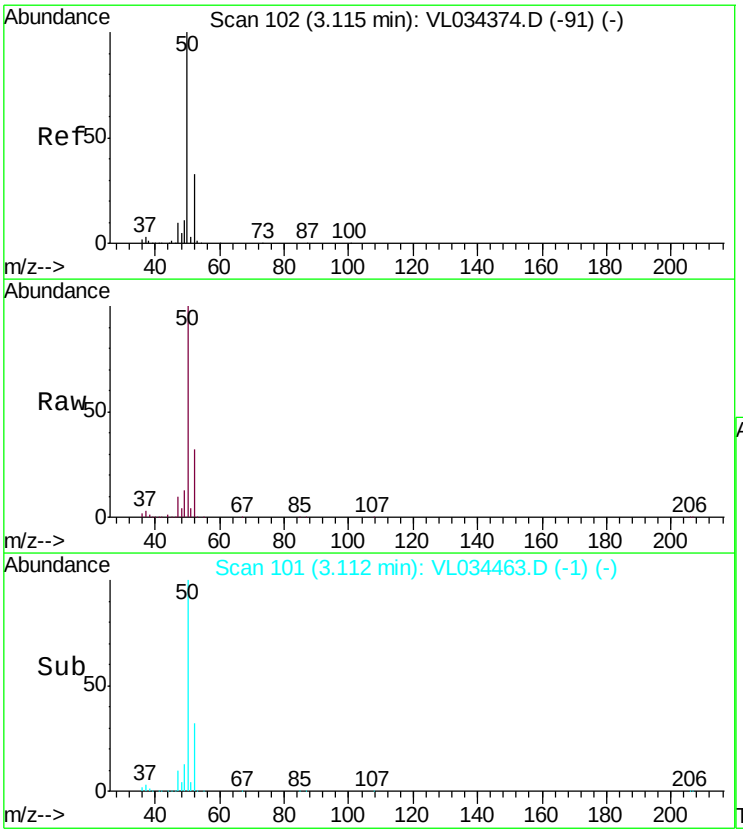
#3
Chlorodifluoromethane
Concen: 9.021 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1030685

Ion	Ratio	Lower	Upper
51	100		
67	20.6	16.2	24.2

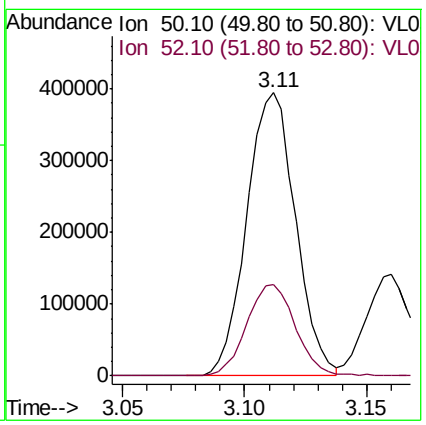


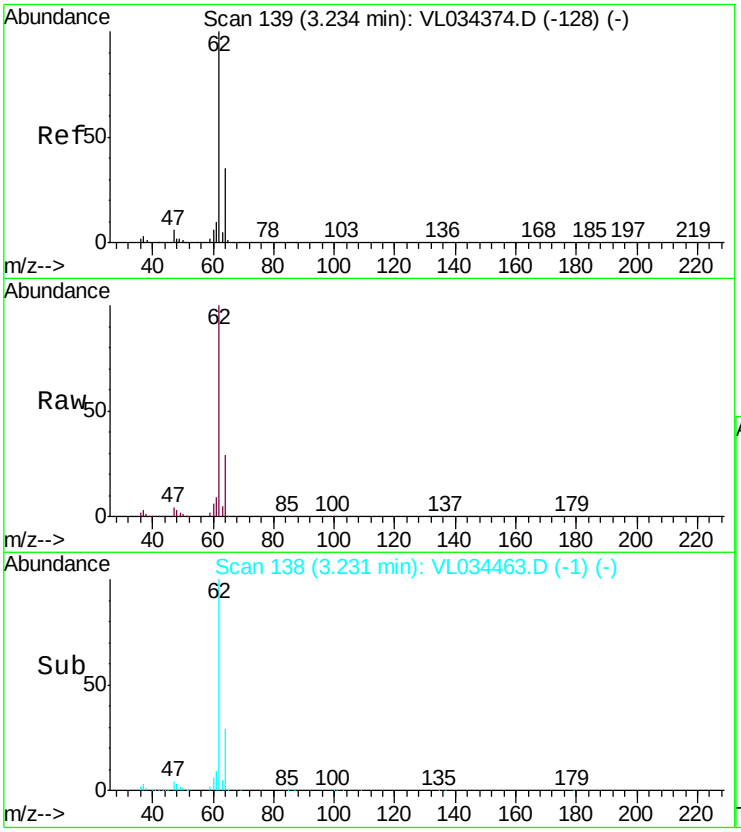


#4
Chloromethane
Concen: 8.112 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 50 Resp: 546707

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.8	40.2



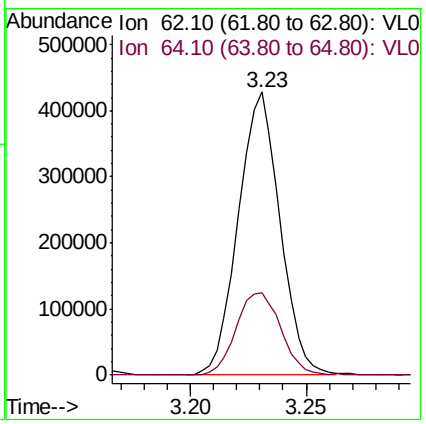


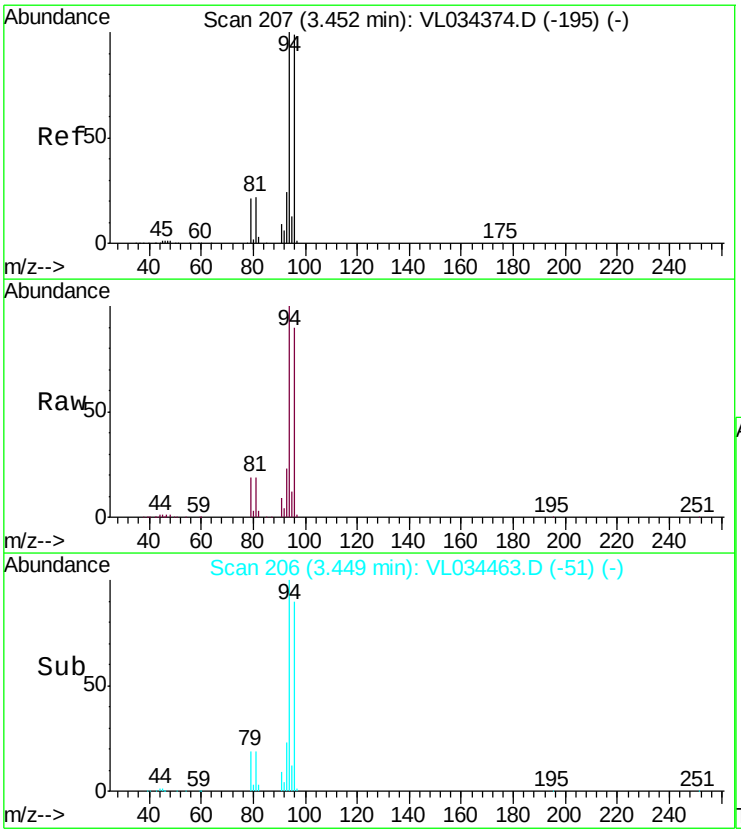
#5
Vinyl Chloride
Concen: 8.492 ppbv
RT: 3.23 min Scan# 138
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 536182

Ion	Ratio	Lower	Upper
62	100		
64	29.2	28.4	42.6

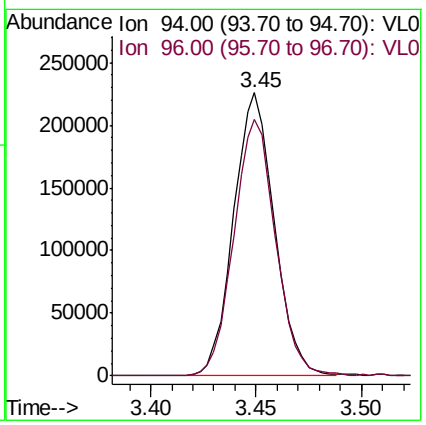


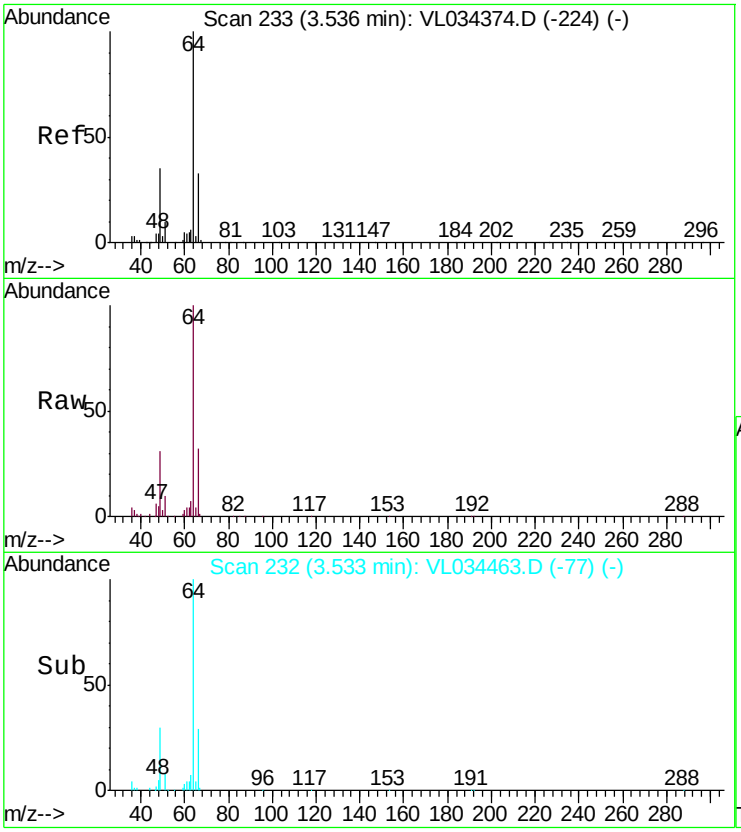


#6
Bromomethane
Concen: 9.551 ppbv
RT: 3.45 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 94 Resp: 303448

Ion	Ratio	Lower	Upper
94	100		
96	90.3	79.5	119.3



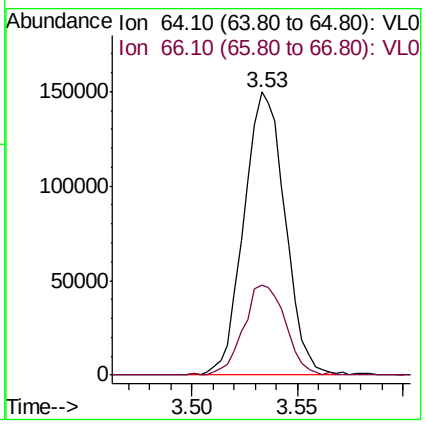


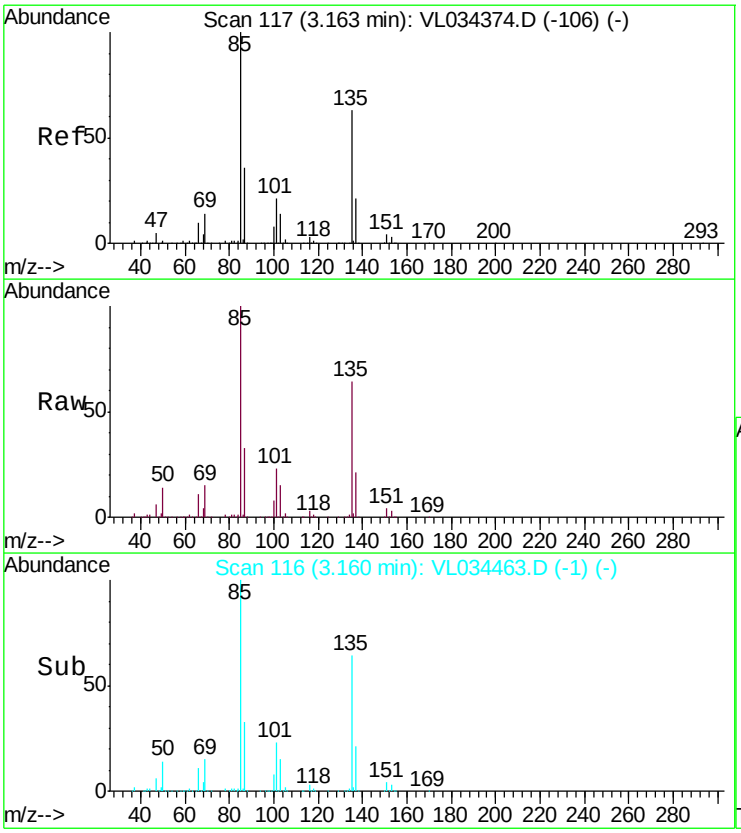
#7
Chloroethane
Concen: 8.864 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 203133

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.0	39.0

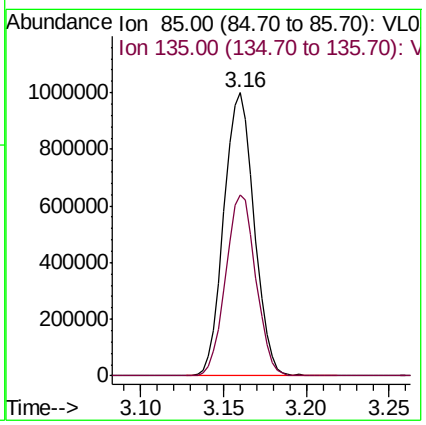


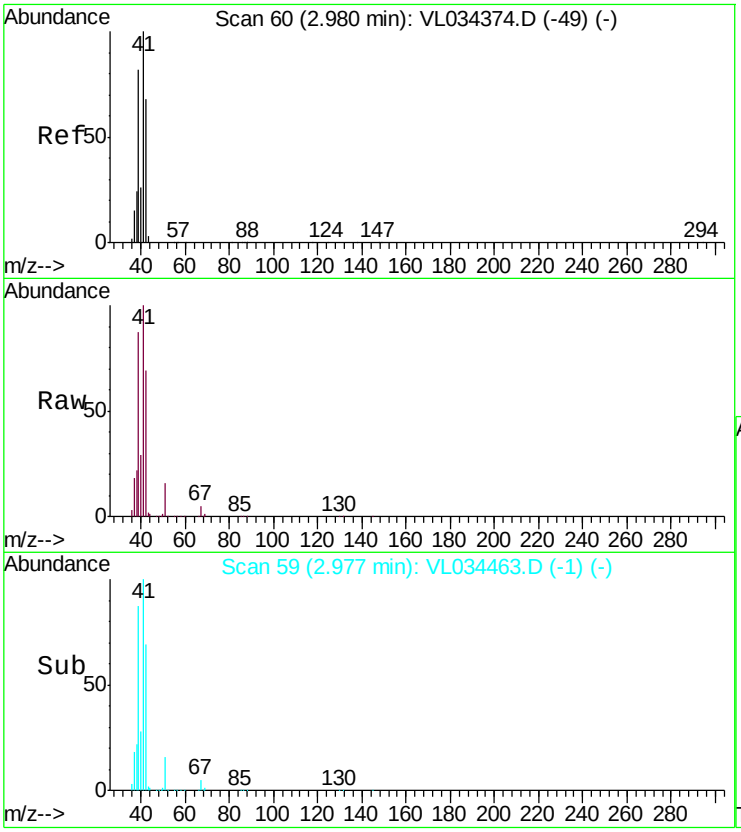


#8
Dichlorotetrafluoroethane
Concen: 8.513 ppbv
RT: 3.16 min Scan# 116
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 85 Resp: 1266526

Ion	Ratio	Lower	Upper
85	100		
135	64.0	51.1	76.7



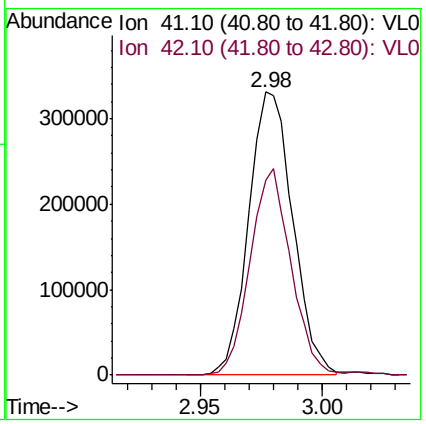


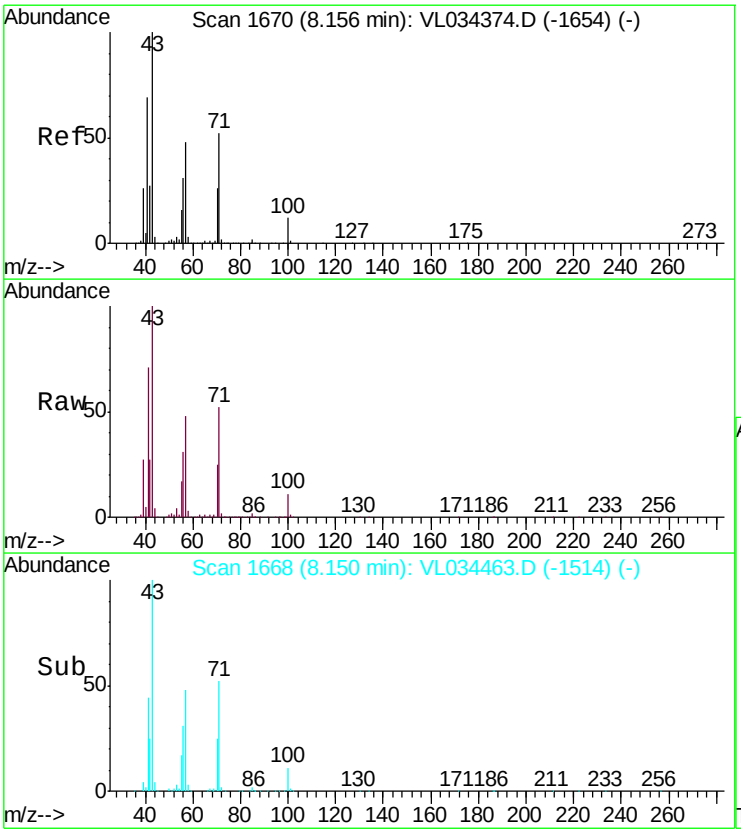
#9
Propene
Concen: 8.144 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 413093

Ion	Ratio	Lower	Upper
41	100		
42	68.6	54.6	82.0

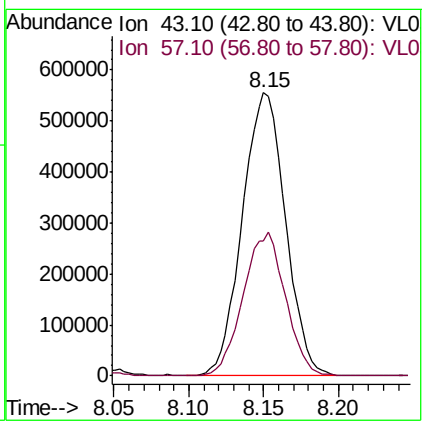


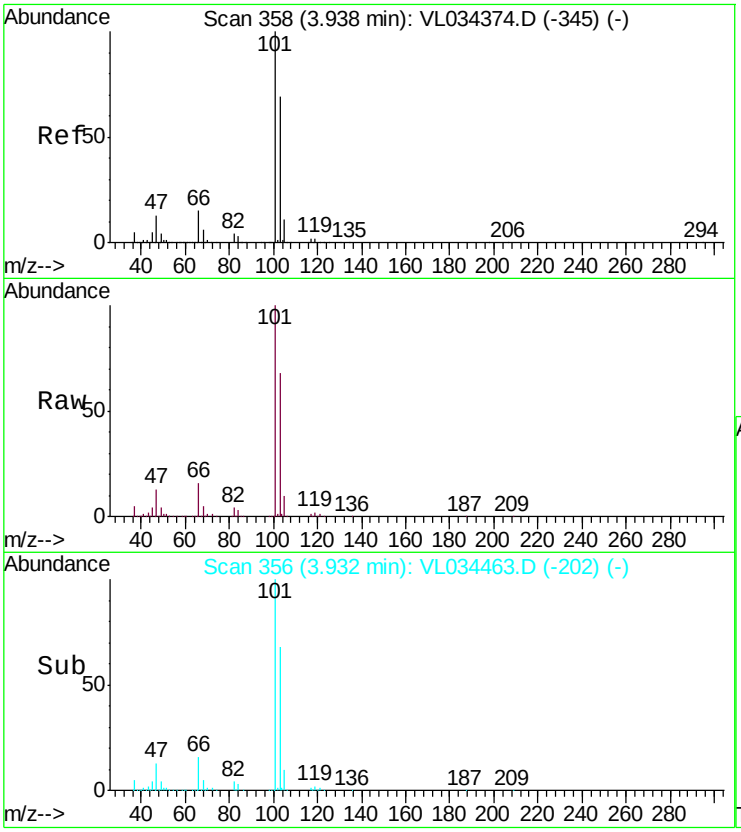


#10
Heptane
Concen: 8.440 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 43 Resp: 1104863

Ion	Ratio	Lower	Upper
43	100		
57	50.1	40.2	60.2



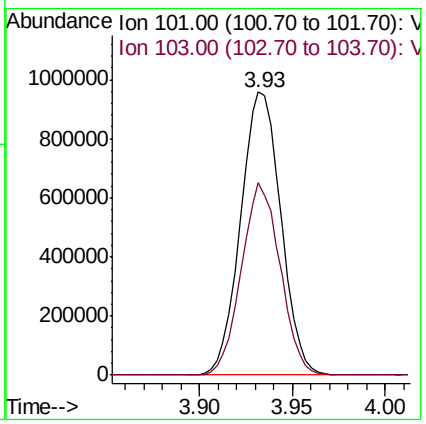


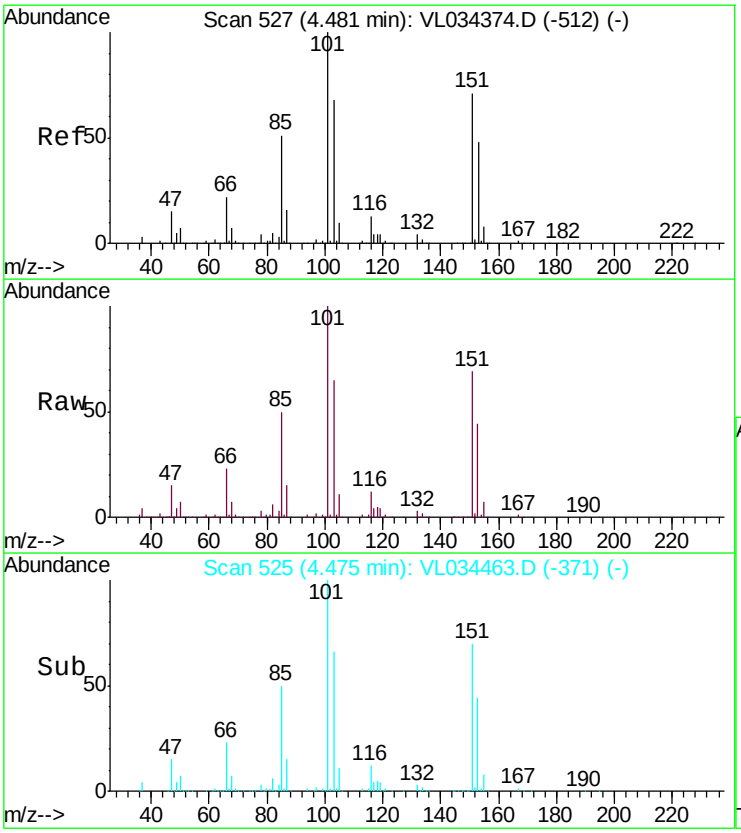
#11
Trichlorofluoromethane
Concen: 8.799 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1450594

Ion	Ratio	Lower	Upper
101	100		
103	68.0	55.4	83.0

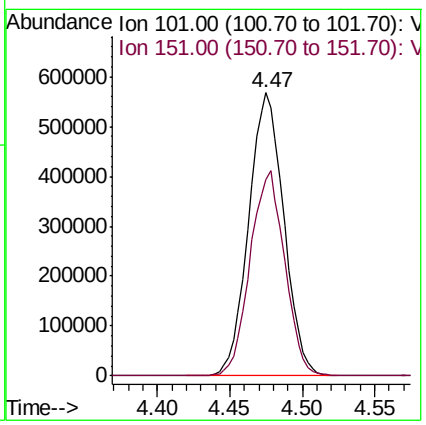


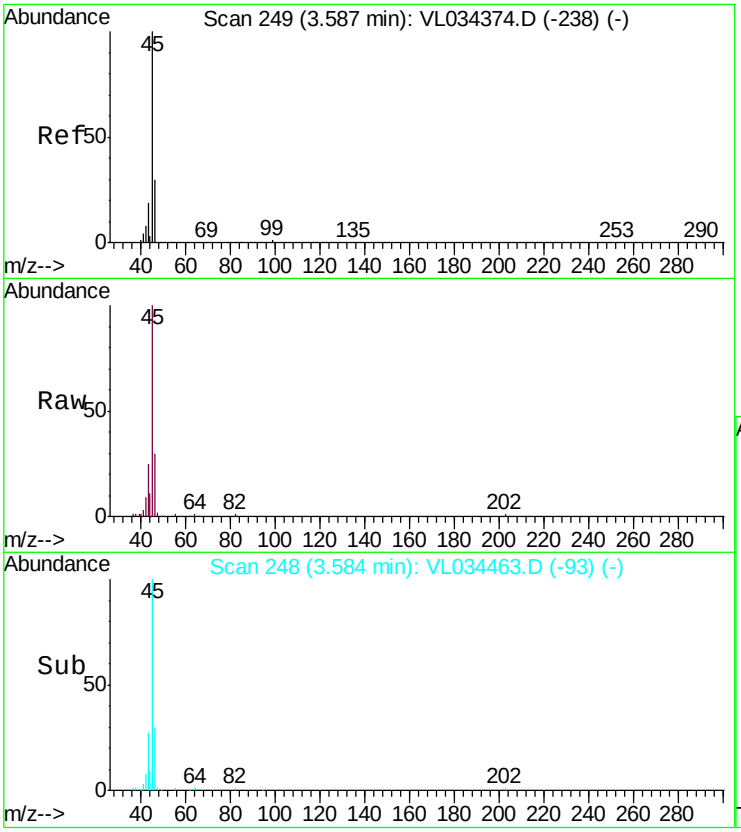


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.768 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:101 Resp: 959987

Ion	Ratio	Lower	Upper
101	100		
151	71.5	57.4	86.2



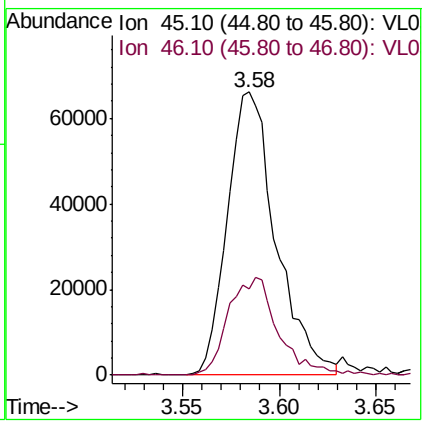


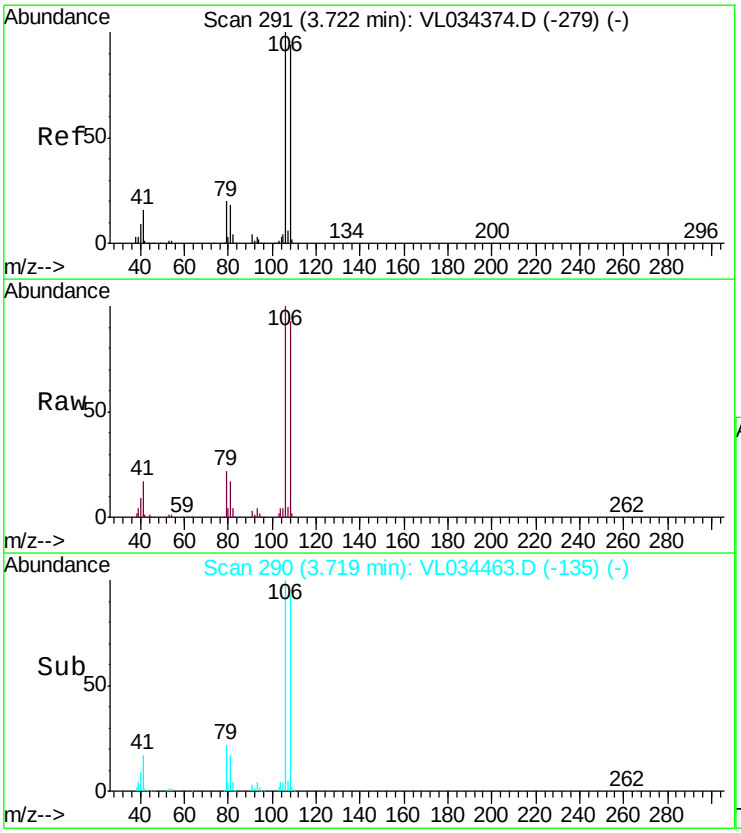
#13
Ethanol
Concen: 8.194 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 115780

Ion	Ratio	Lower	Upper
45	100		
46	35.6	13.8	55.4

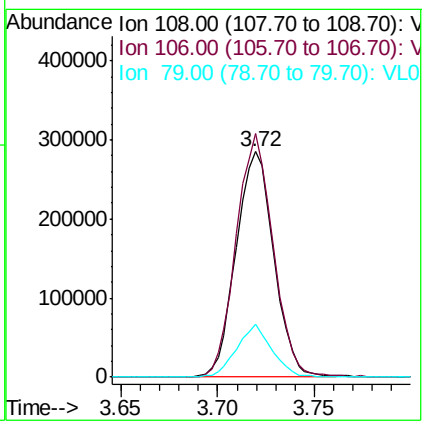


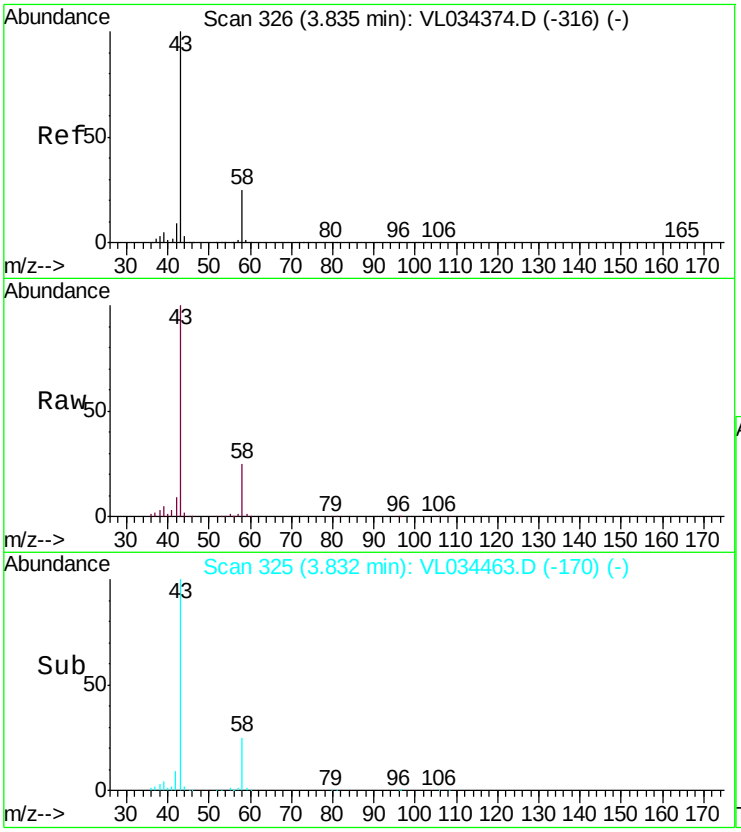


#14
Bromoethene
Concen: 8.712 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:108 Resp: 387844

Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.7	128.5
79	22.0	17.2	25.8



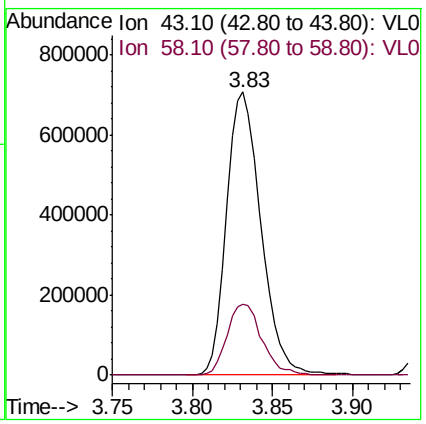


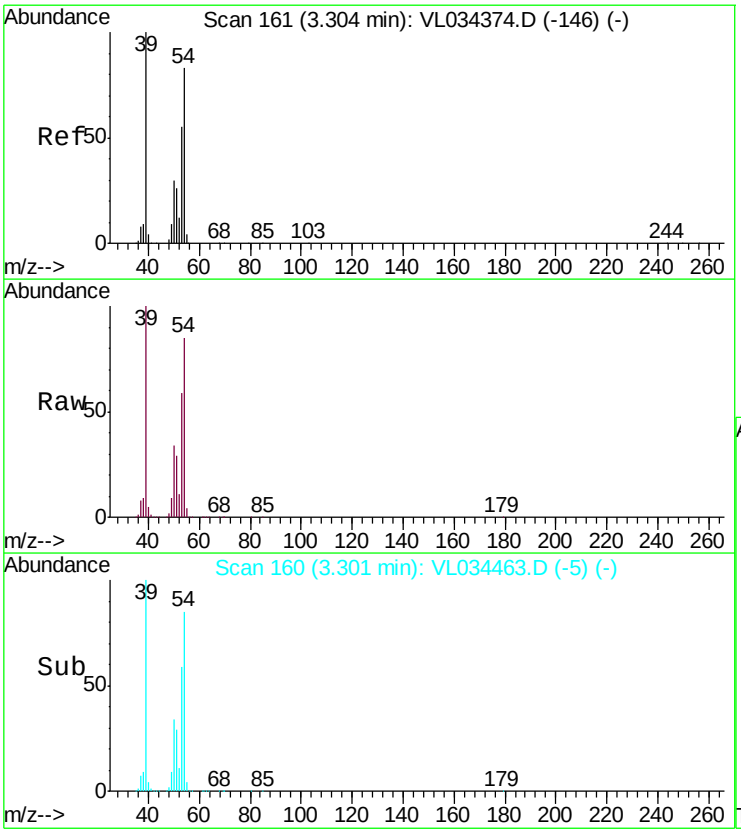
#15
Acetone
Concen: 7.886 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1034040

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.2	30.4

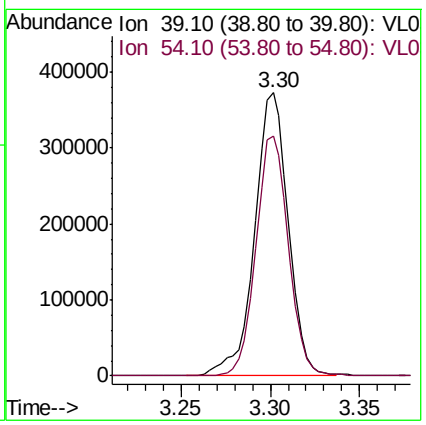


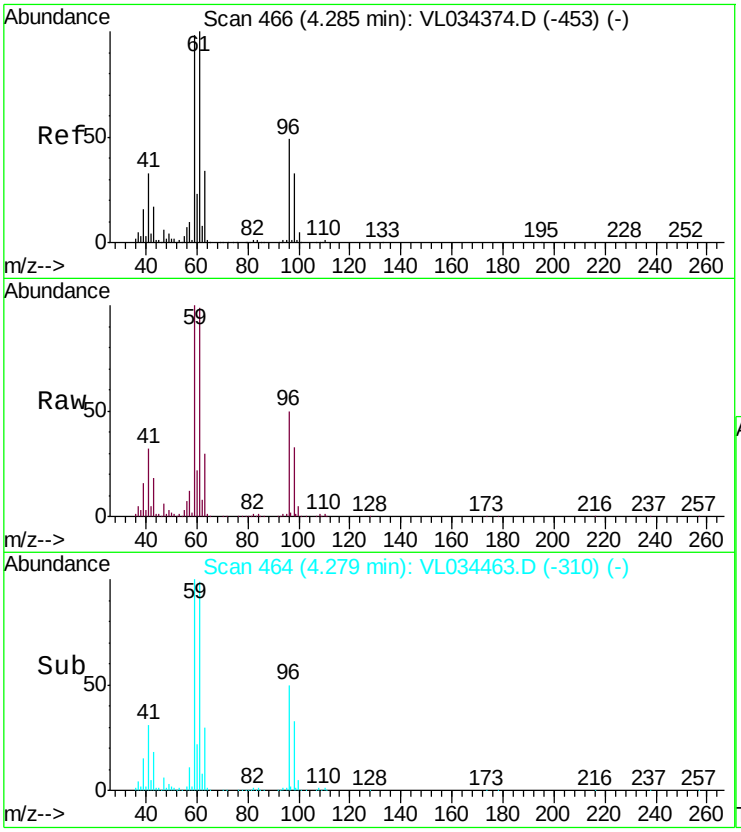


#16
1,3-Butadiene
Concen: 8.624 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 39 Resp: 492585

Ion	Ratio	Lower	Upper
39	100		
54	82.3	64.7	97.1



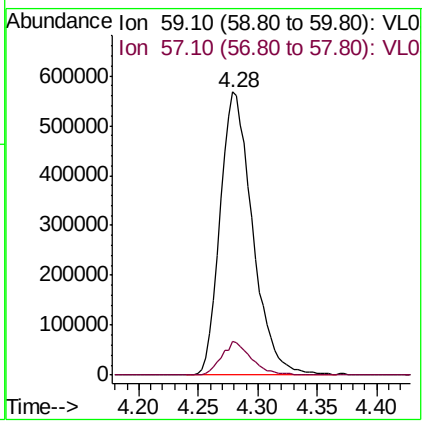


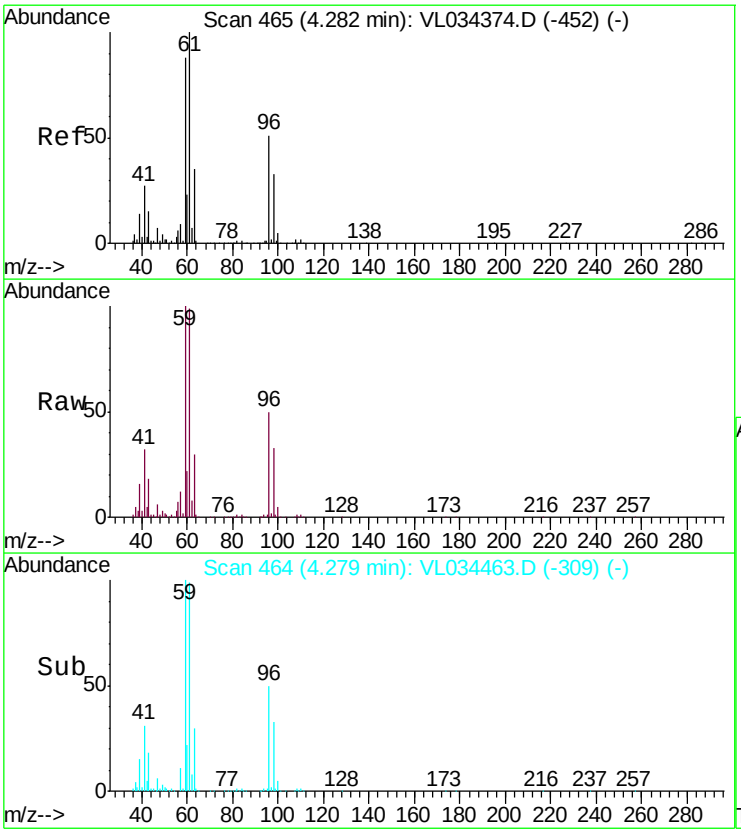
#17
tert-Butyl alcohol
Concen: 9.756 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1075257

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

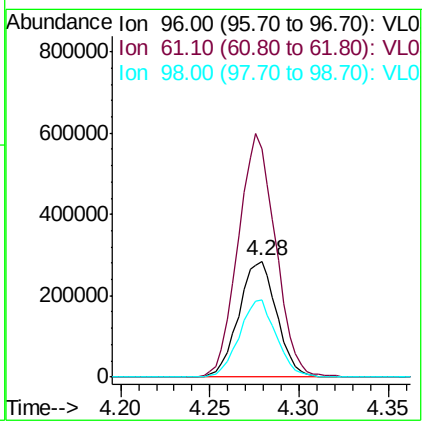


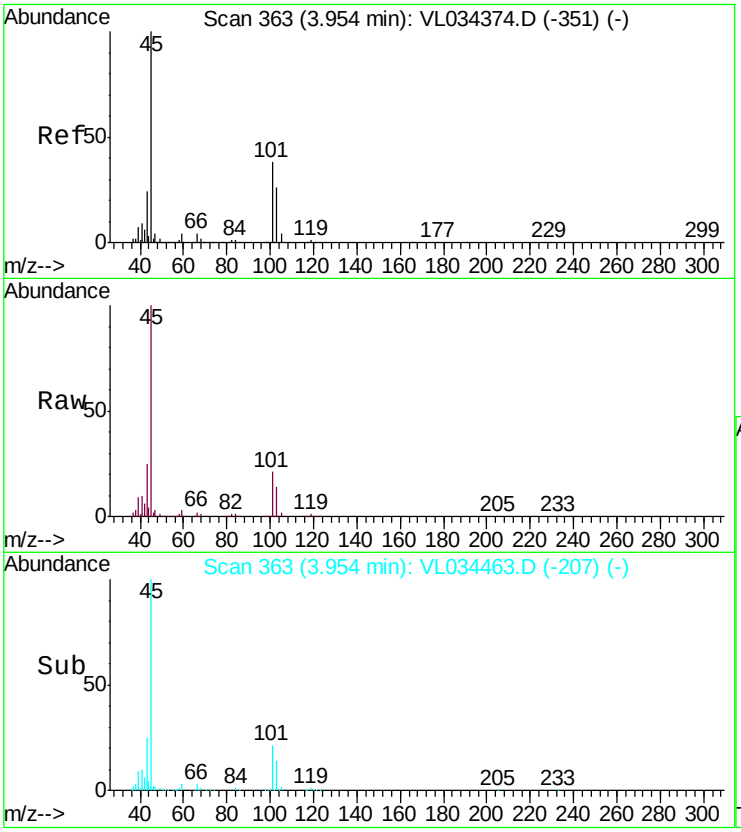


#18
1,1-Dichloroethene
Concen: 8.862 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 96 Resp: 424417

Ion	Ratio	Lower	Upper
96	100		
61	196.6	155.6	233.4
98	66.3	51.6	77.4



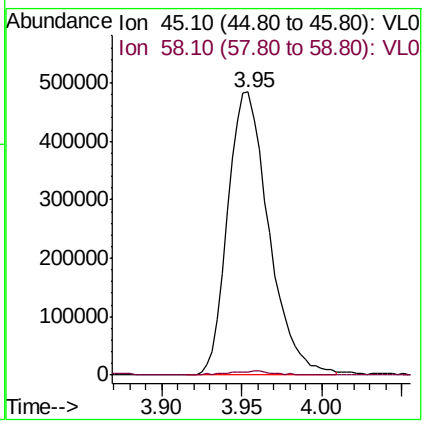


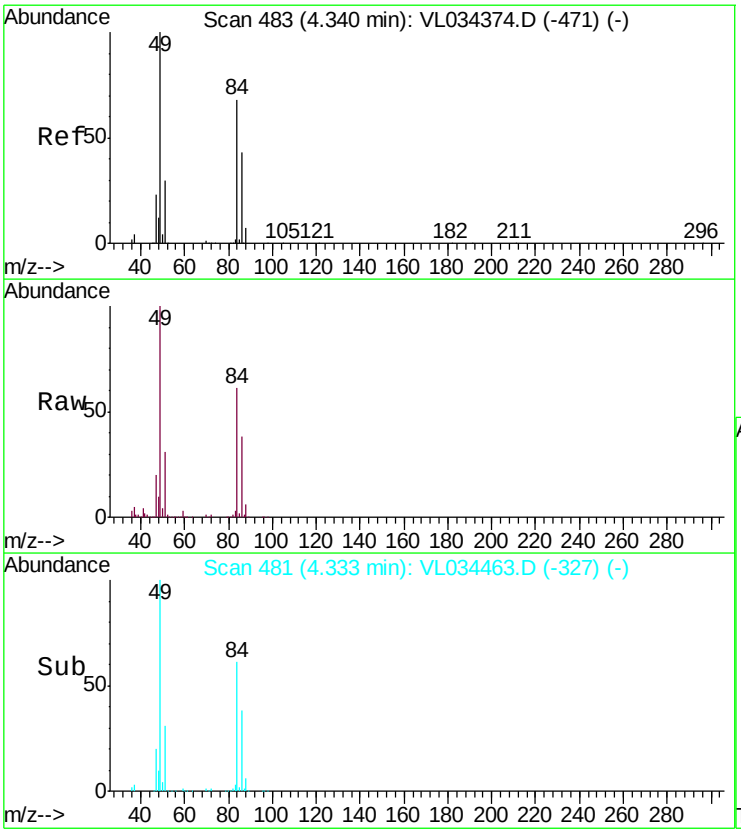
#19
Isopropyl Alcohol
Concen: 10.071 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 846466

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.3	1.9

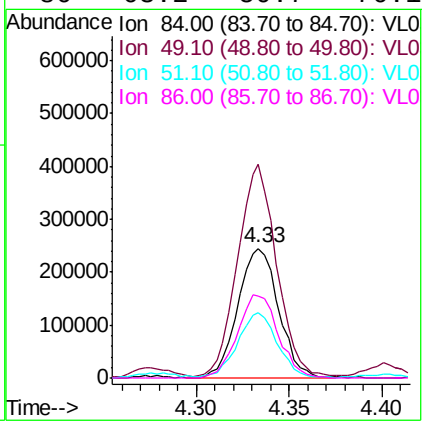


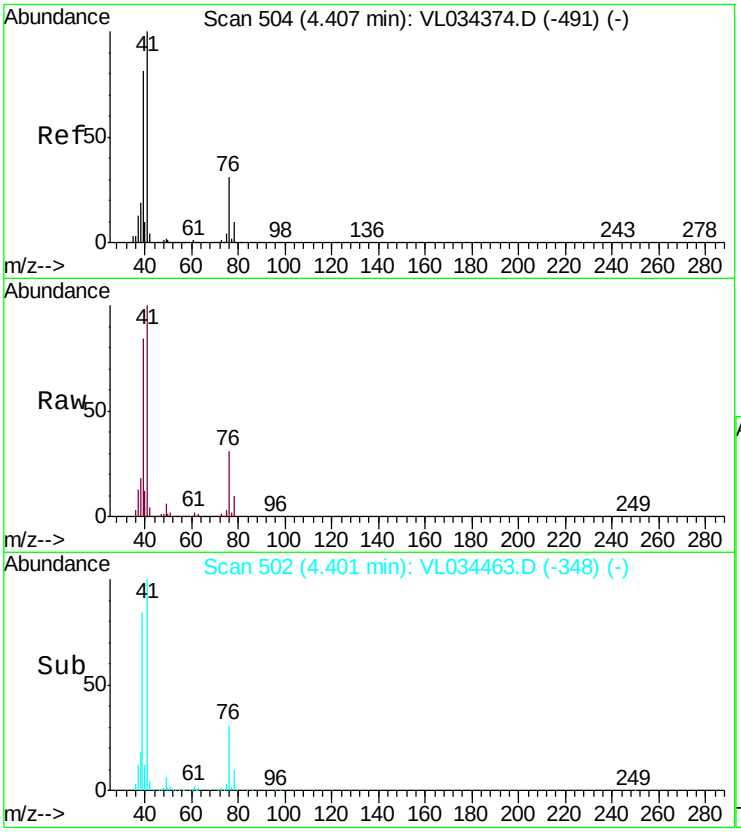


#20
Methylene Chloride
Concen: 7.939 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 84 Resp: 369127

Ion	Ratio	Lower	Upper
84	100		
49	164.0	116.8	175.2
51	50.2	35.6	53.4
86	63.2	50.7	76.1



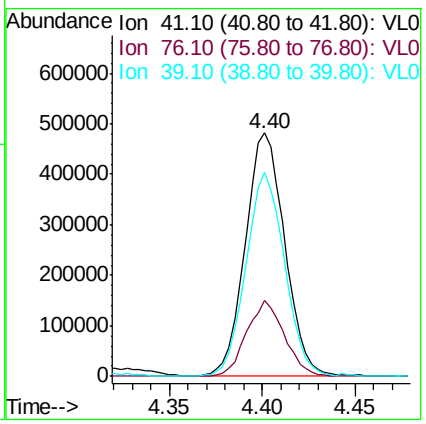


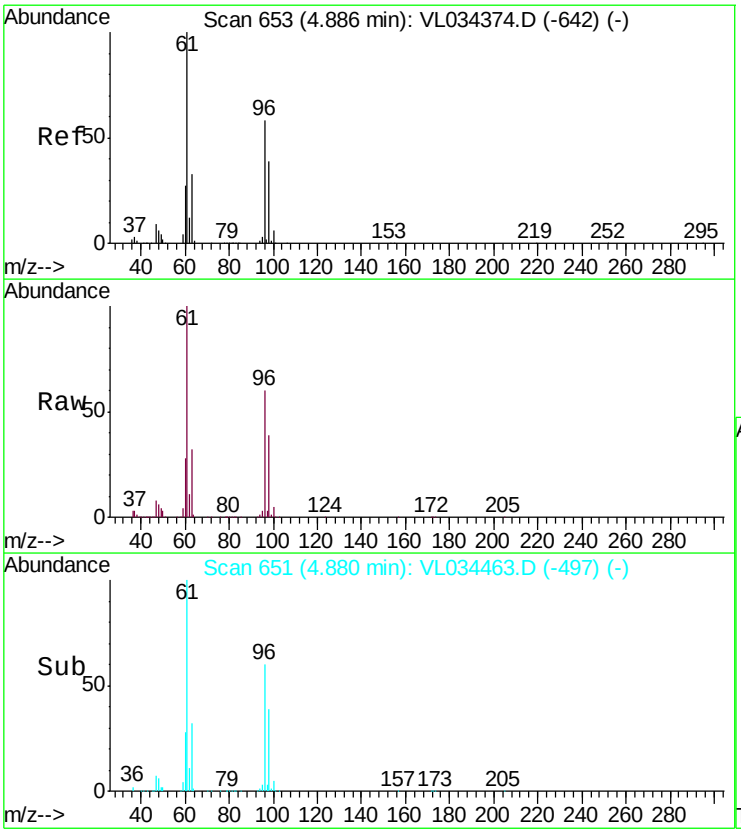
#21
Allyl Chloride
Concen: 9.039 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 710261

Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.2	36.2
39	82.4	66.9	100.3

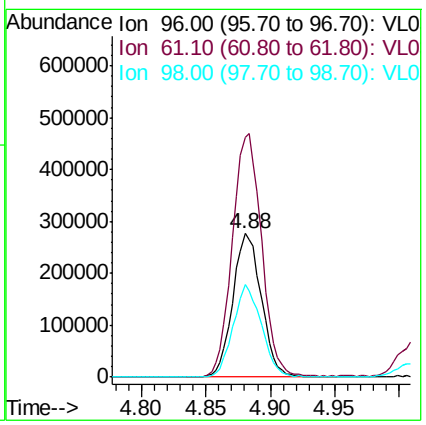


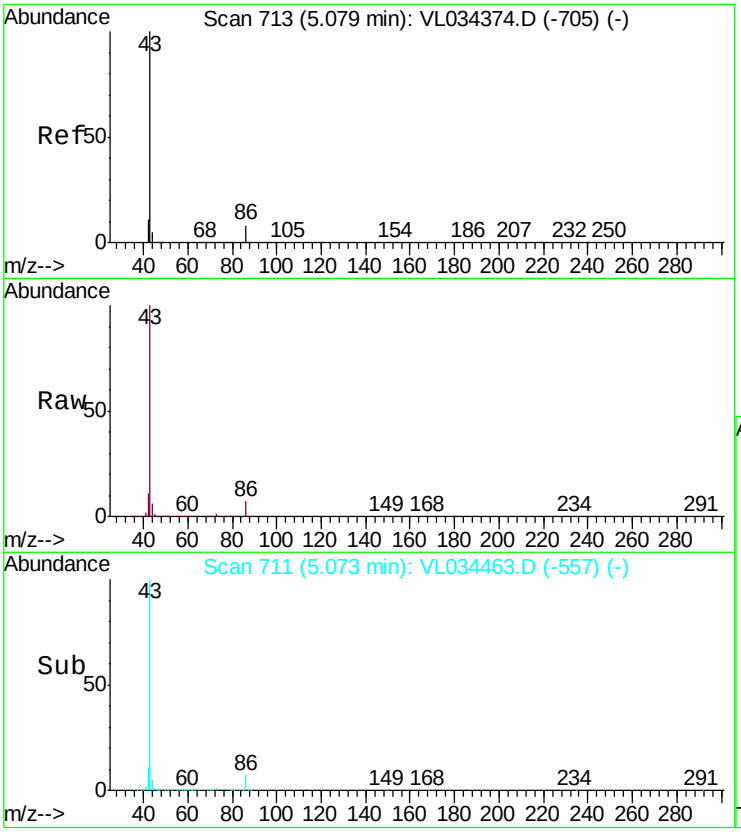


#22
trans-1,2-Dichloroethene
Concen: 8.829 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 96 Resp: 426260

Ion	Ratio	Lower	Upper
96	100		
61	166.7	137.9	206.9
98	64.8	53.5	80.3



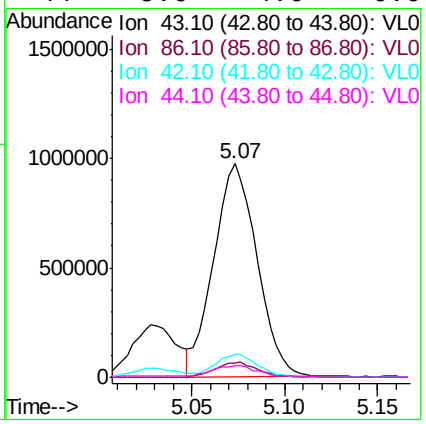


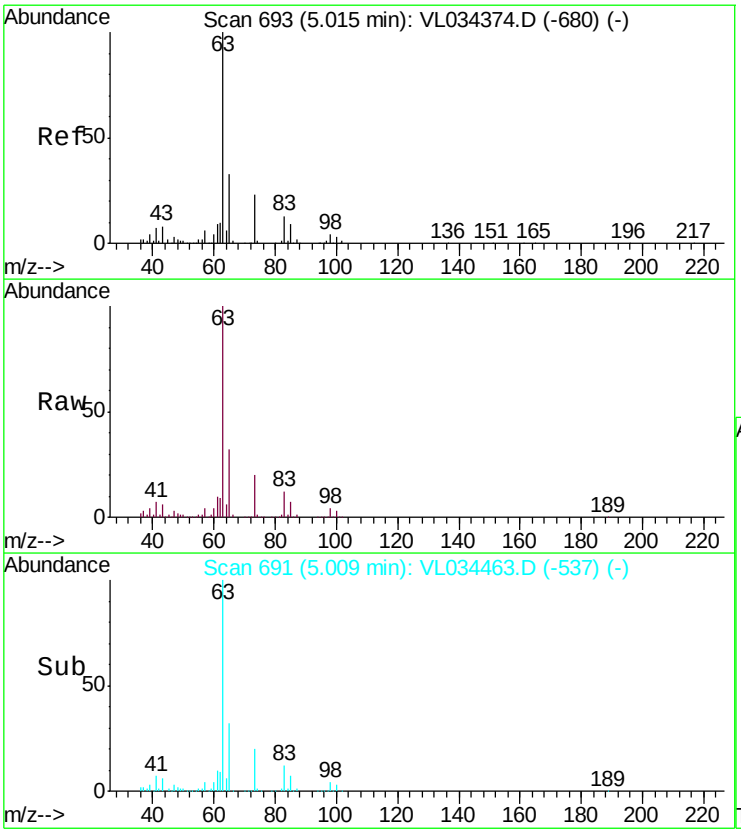
#23
Vinyl Acetate
Concen: 9.213 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1578153

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	10.9	8.9	13.3
44	5.6	4.0	6.0

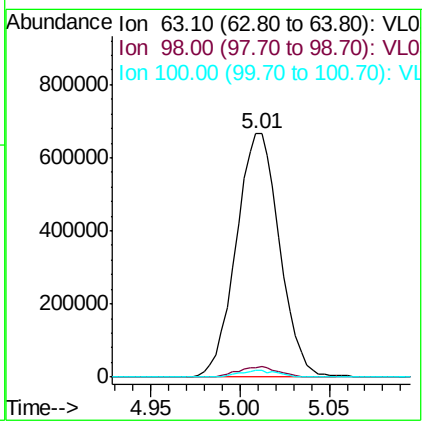


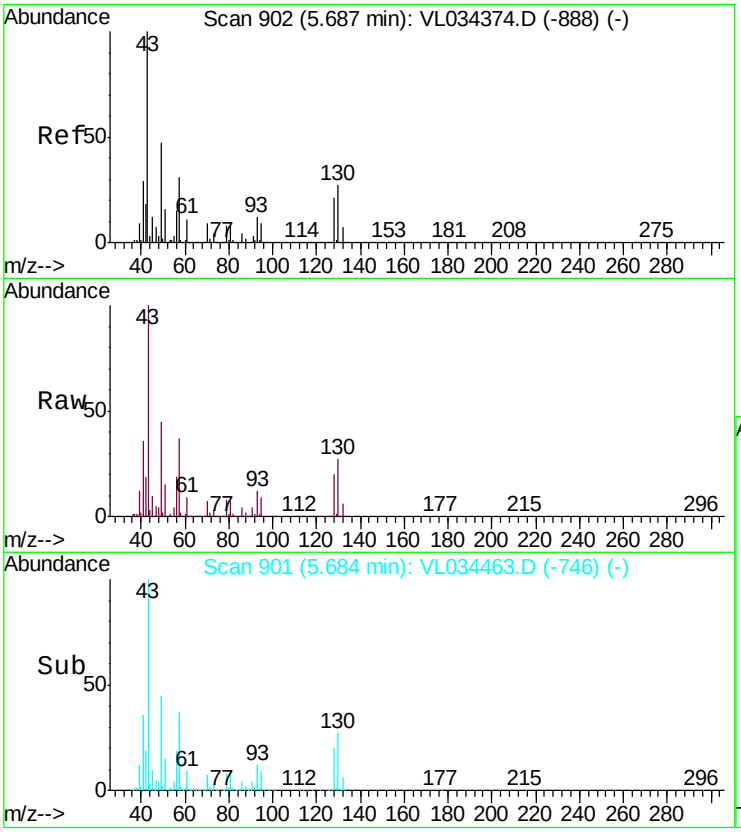


#24
1,1-Dichloroethane
Concen: 8.580 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 63 Resp: 1128988

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.9	5.7
100	2.8	1.4	4.0



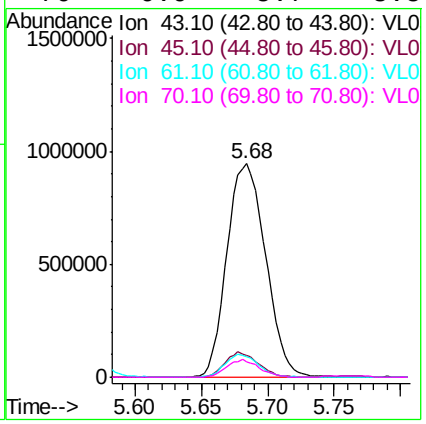


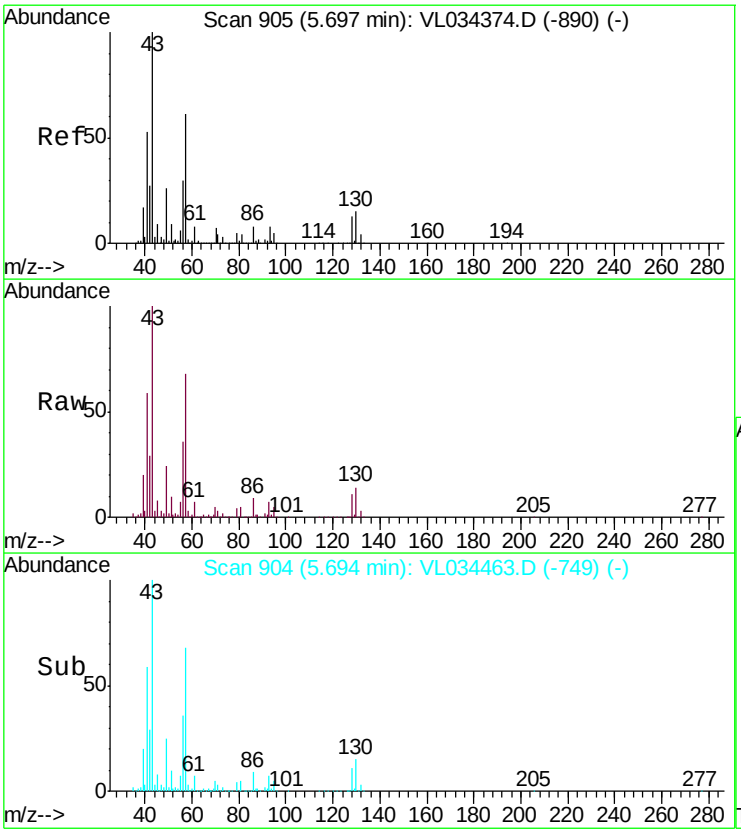
#25
Ethyl Acetate
Concen: 8.202 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1919230

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.1	7.5	11.3
70	6.9	5.7	8.5

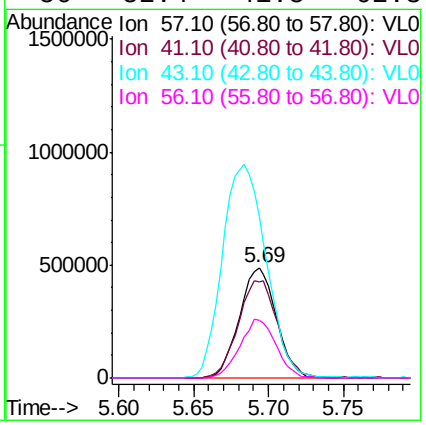


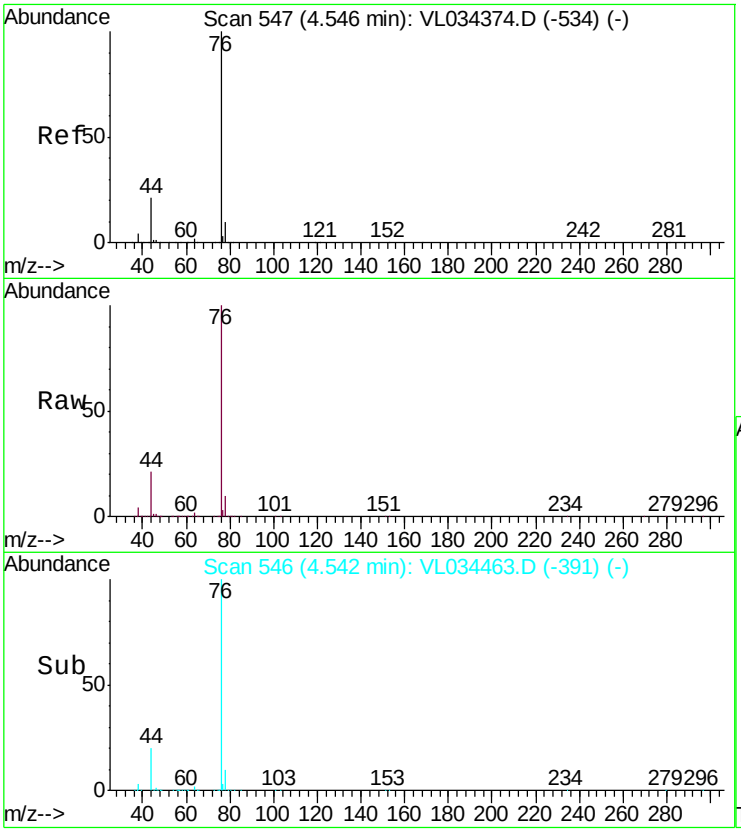


#26
Hexane
Concen: 8.304 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 57 Resp: 834957

Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.0	112.4
43	230.7	186.6	279.8
56	52.4	41.5	62.3



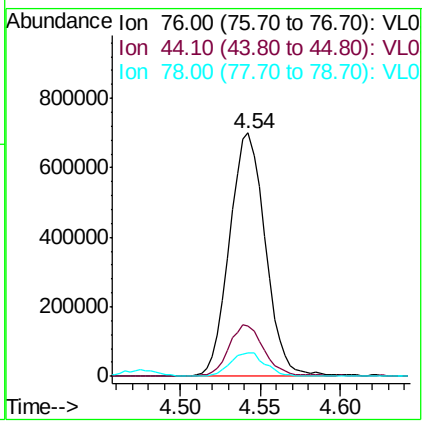


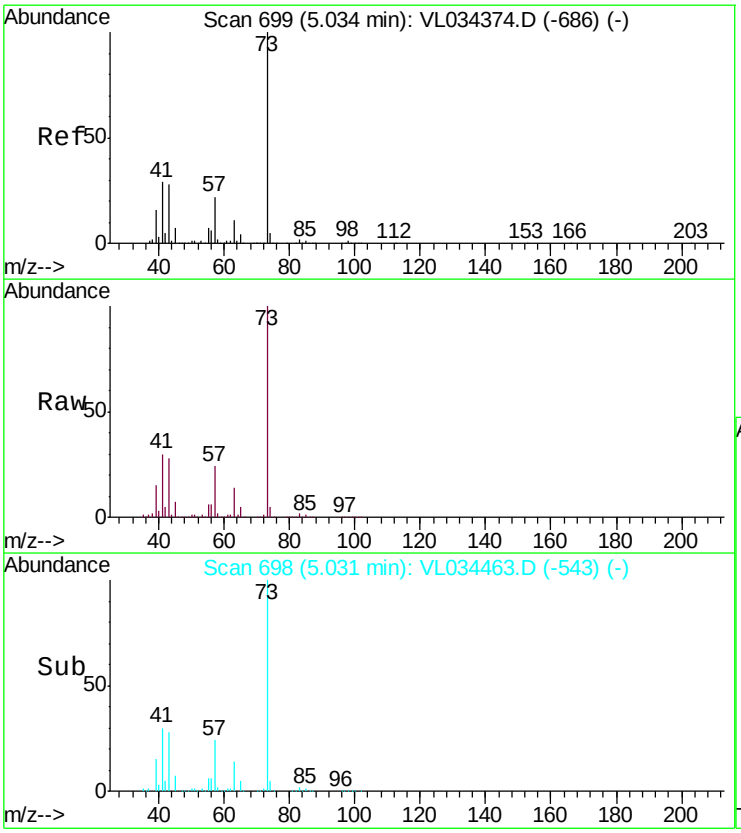
#27
Carbon Disulfide
Concen: 9.754 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1068229

Ion	Ratio	Lower	Upper
76	100		
44	20.9	17.0	25.4
78	9.8	7.6	11.4

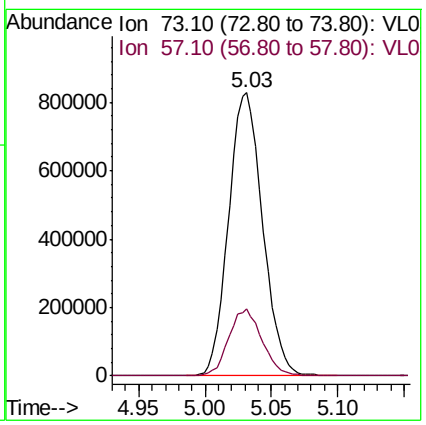


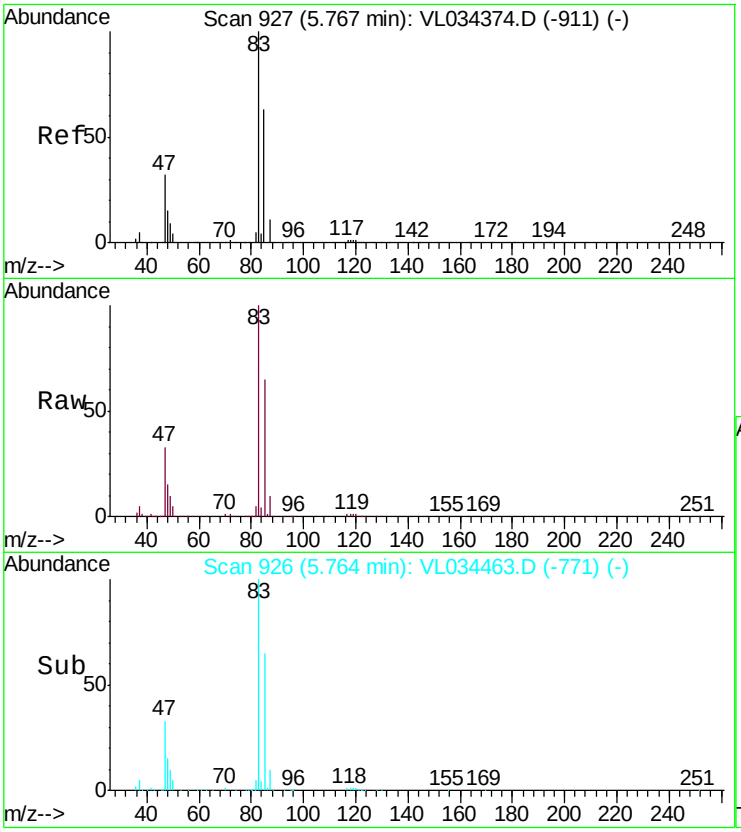


#28
Methyl tert-Butyl Ether
Concen: 8.865 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 73 Resp: 1477946

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.4	27.6



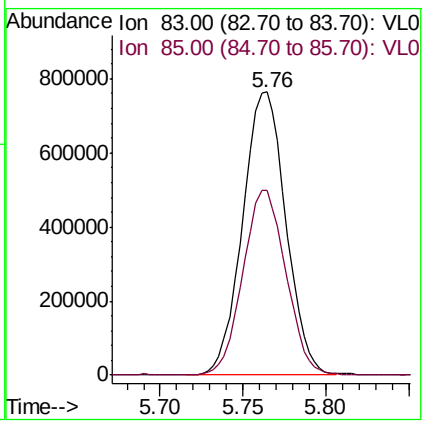


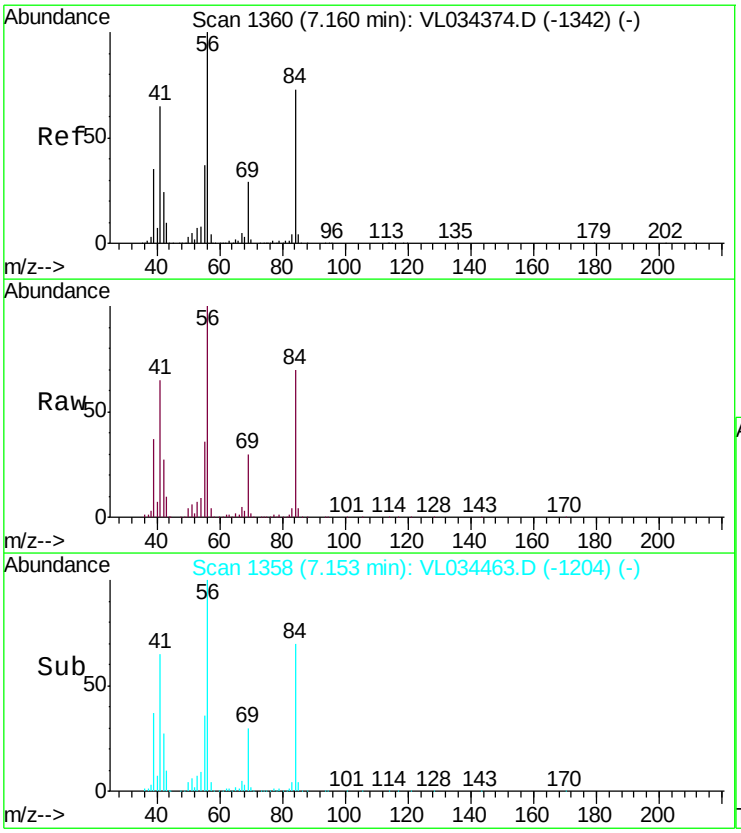
#29
Chloroform
Concen: 8.509 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1385498

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6

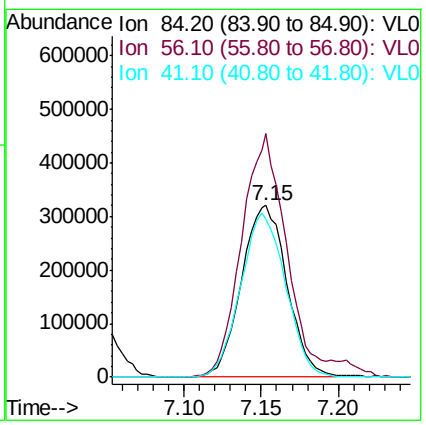


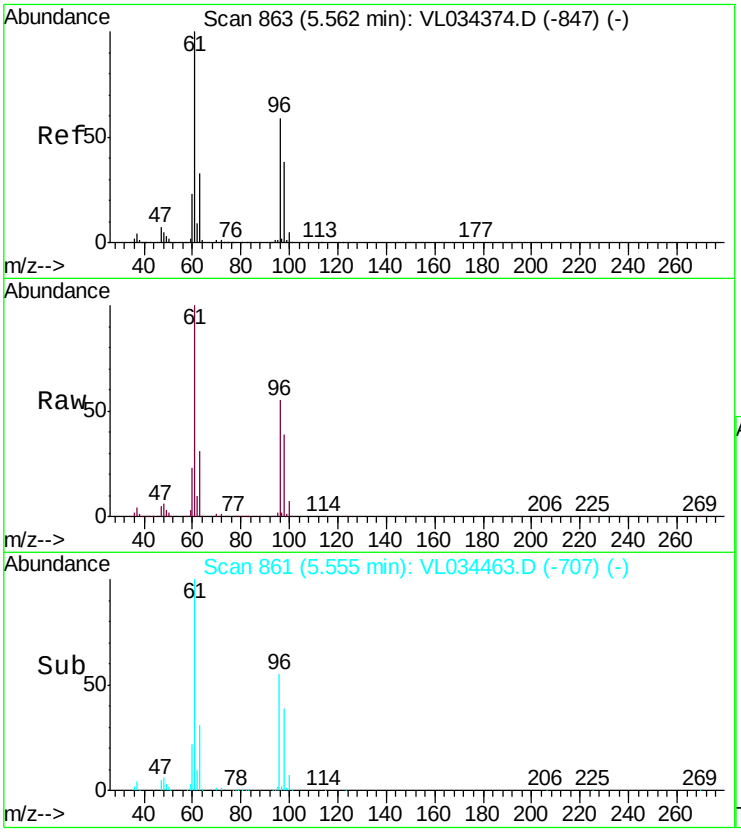


#30
Cyclohexane
Concen: 8.603 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 84 Resp: 653940

Ion	Ratio	Lower	Upper
84	100		
56	144.9	112.6	169.0
41	95.1	73.4	110.2



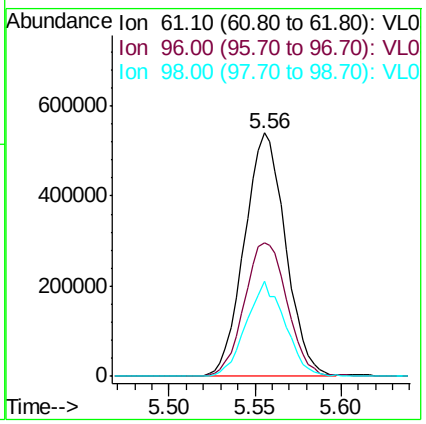


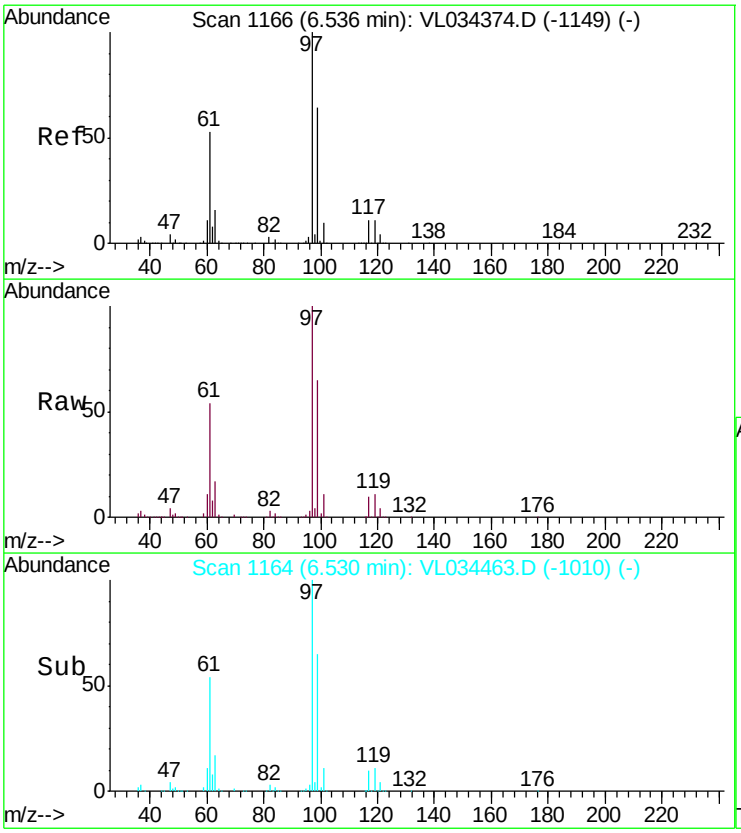
#31
cis-1,2-Dichloroethene
Concen: 8.616 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 895179

Ion	Ratio	Lower	Upper
61	100		
96	54.8	47.4	71.2
98	39.3	30.6	45.8

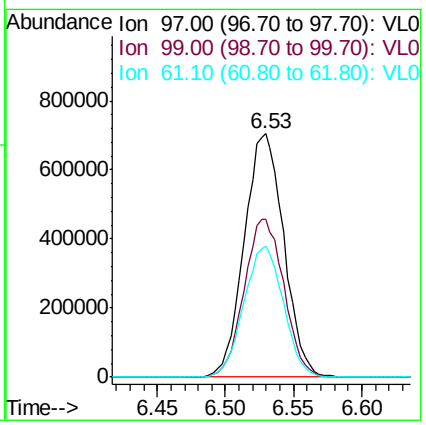


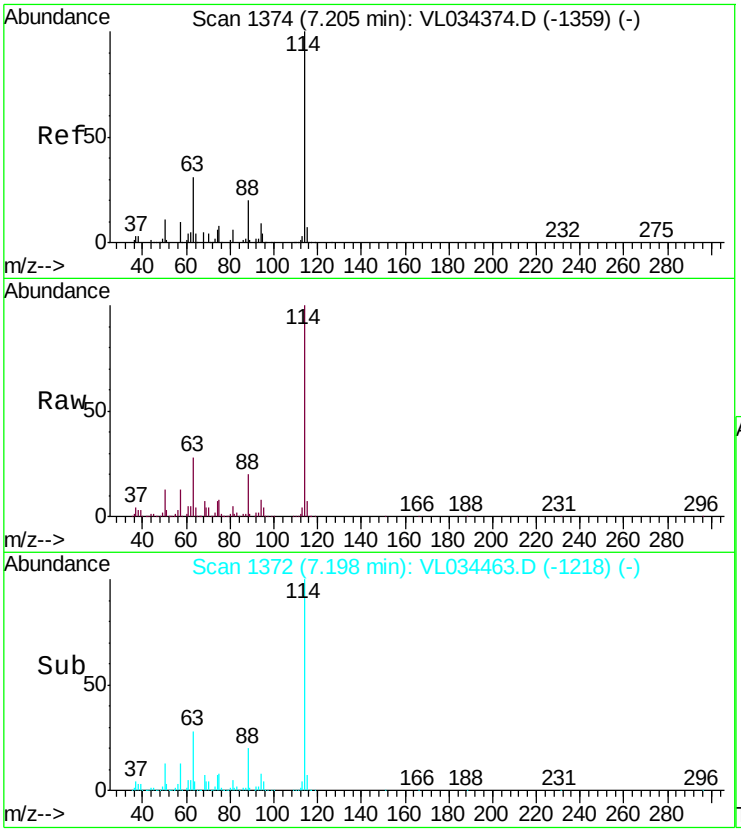


#32
1,1,1-Trichloroethane
Concen: 9.281 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 97 Resp: 1416765

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	53.9	43.7	65.5



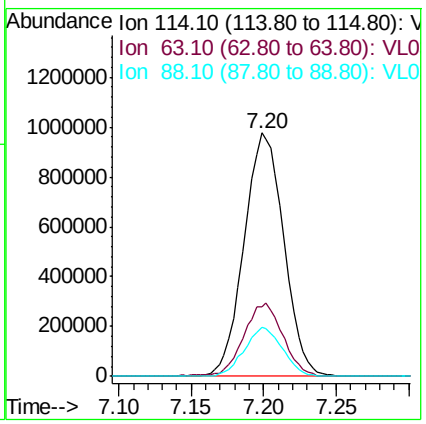


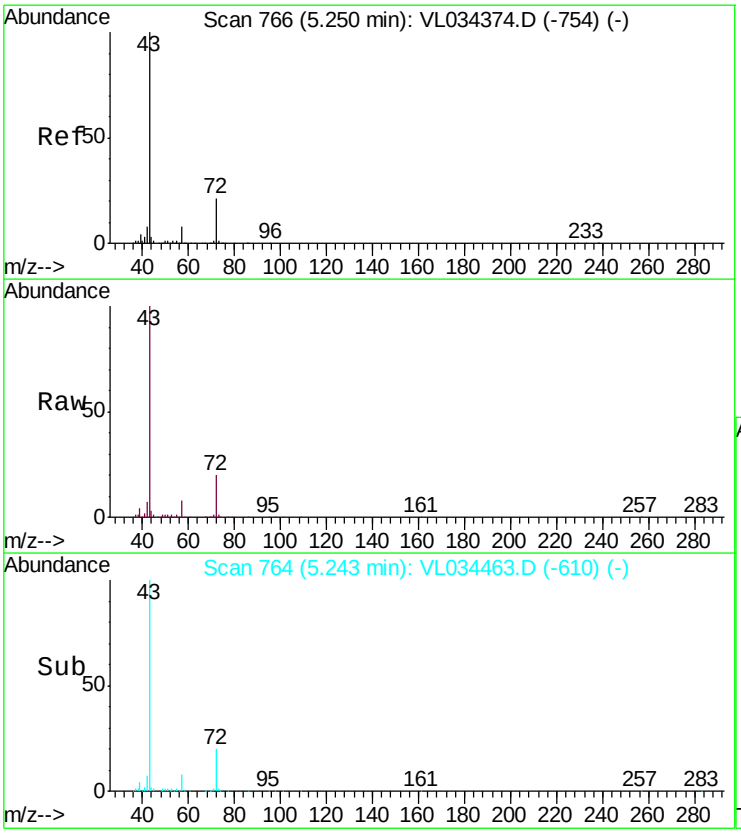
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1861638

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.4	15.9	23.9

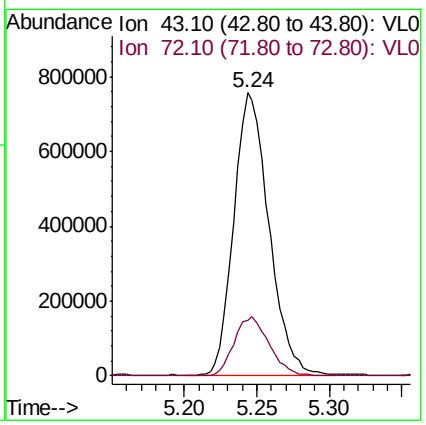


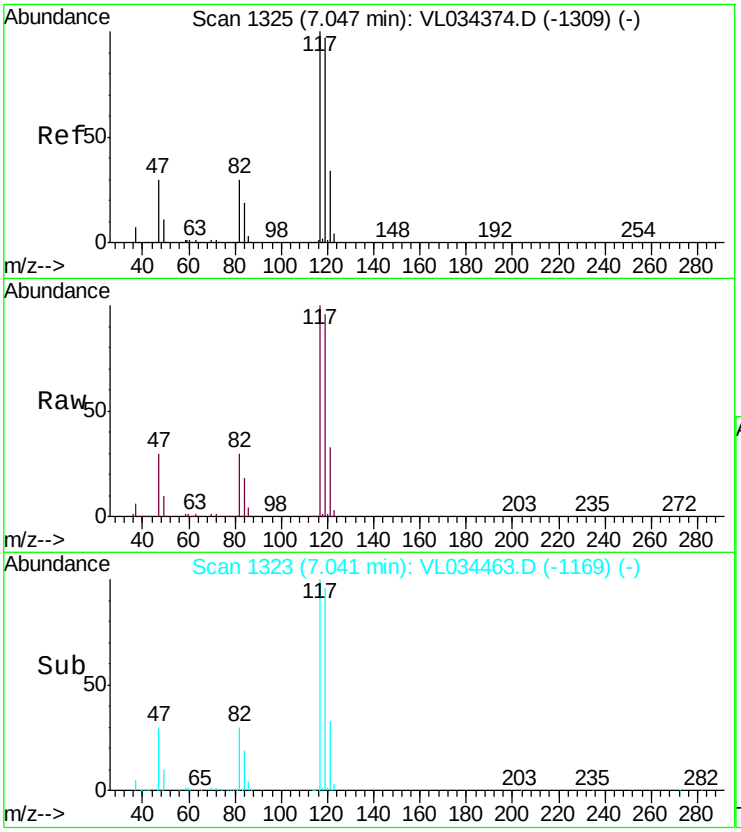


#34
2-Butanone
Concen: 8.324 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 43 Resp: 1275539

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.6



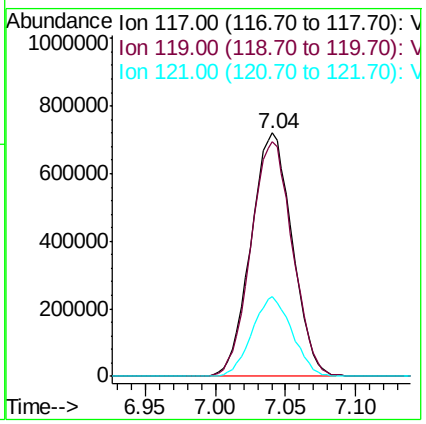


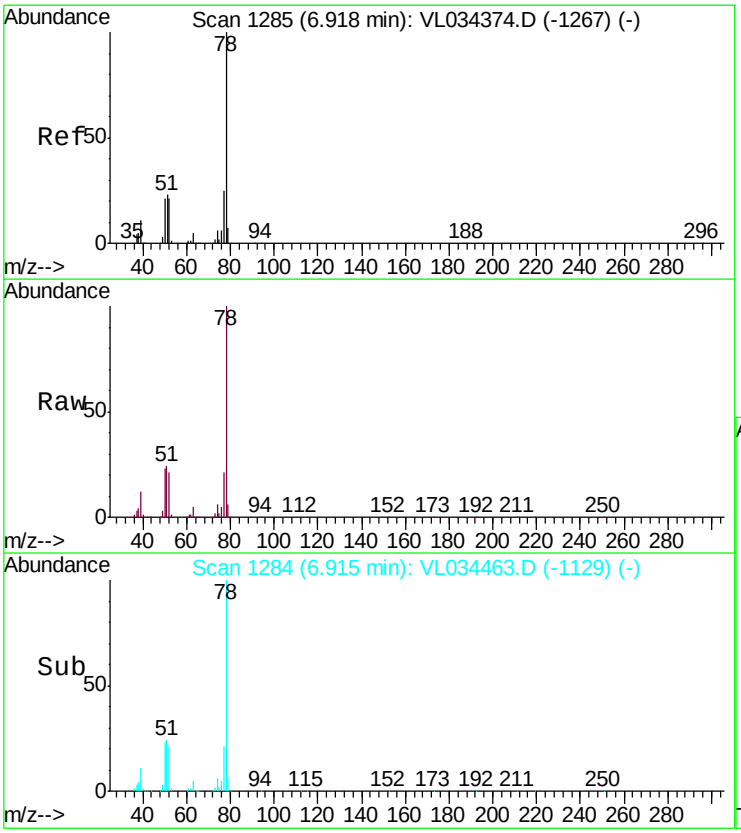
#35
Carbon Tetrachloride
Concen: 9.202 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1472861

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	32.7	27.4	41.2

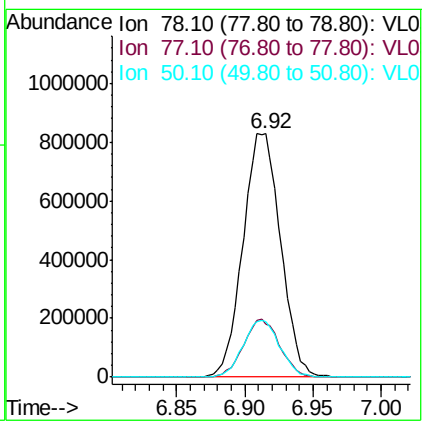


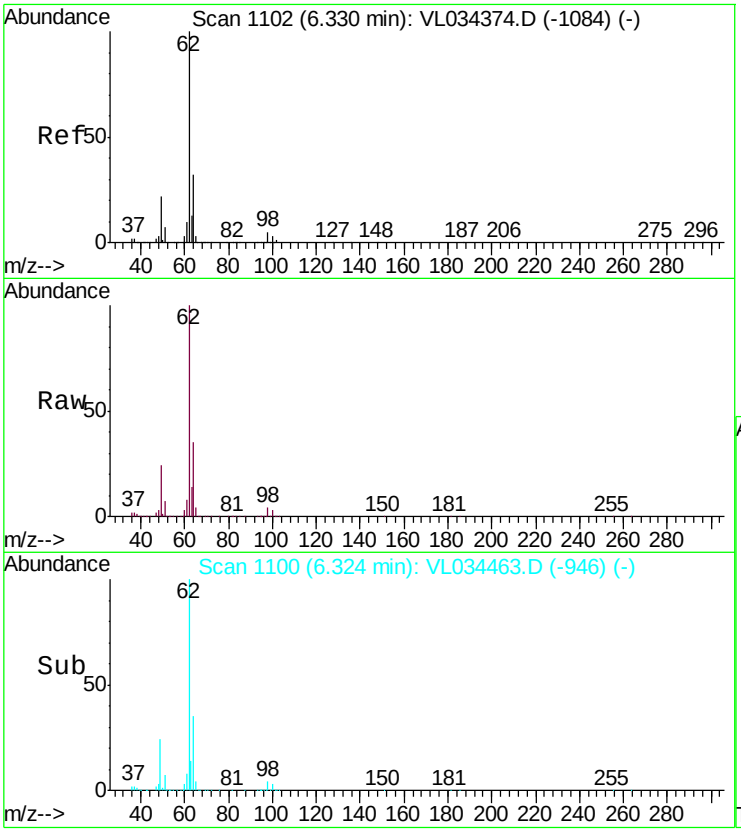


#36
Benzene
Concen: 8.535 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 78 Resp: 1588260

Ion	Ratio	Lower	Upper
78	100		
77	21.5	20.2	30.4
50	23.0	17.1	25.7



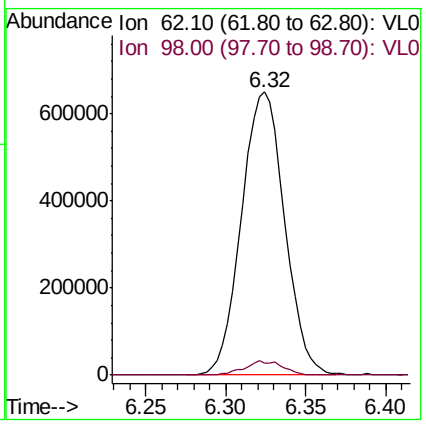


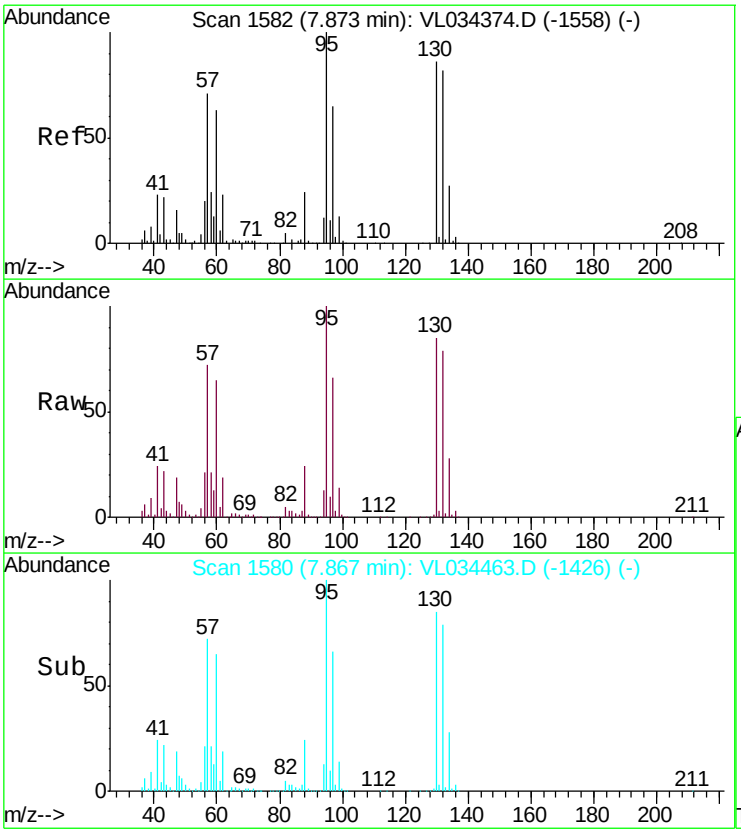
#37
1,2-Dichloroethane
Concen: 8.656 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1196709

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.8

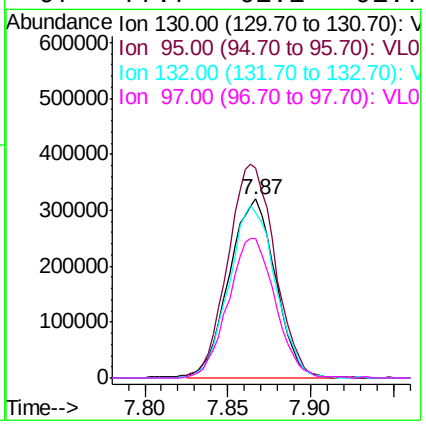


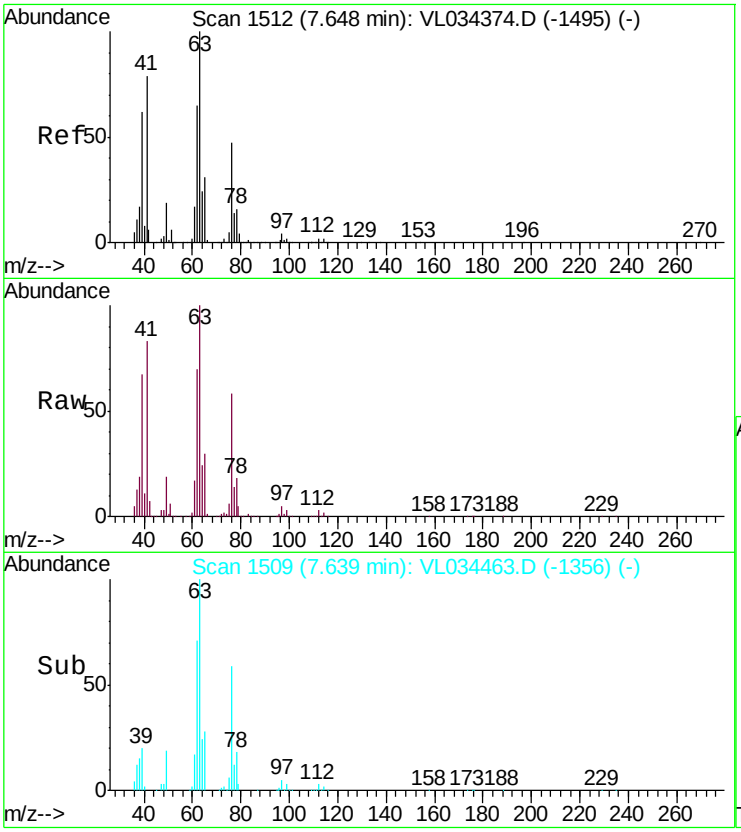


#38
Trichloroethene
Concen: 8.086 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:130 Resp: 617487

Ion	Ratio	Lower	Upper
130	100		
95	117.1	93.4	140.0
132	92.3	76.4	114.6
97	77.7	61.1	91.7



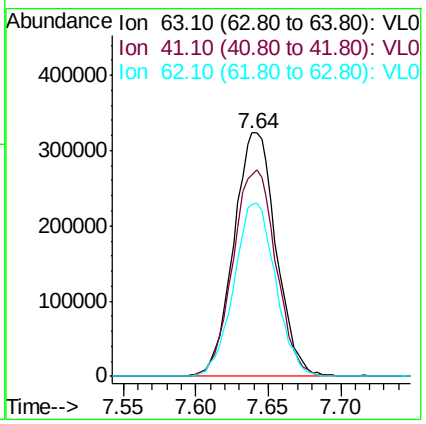


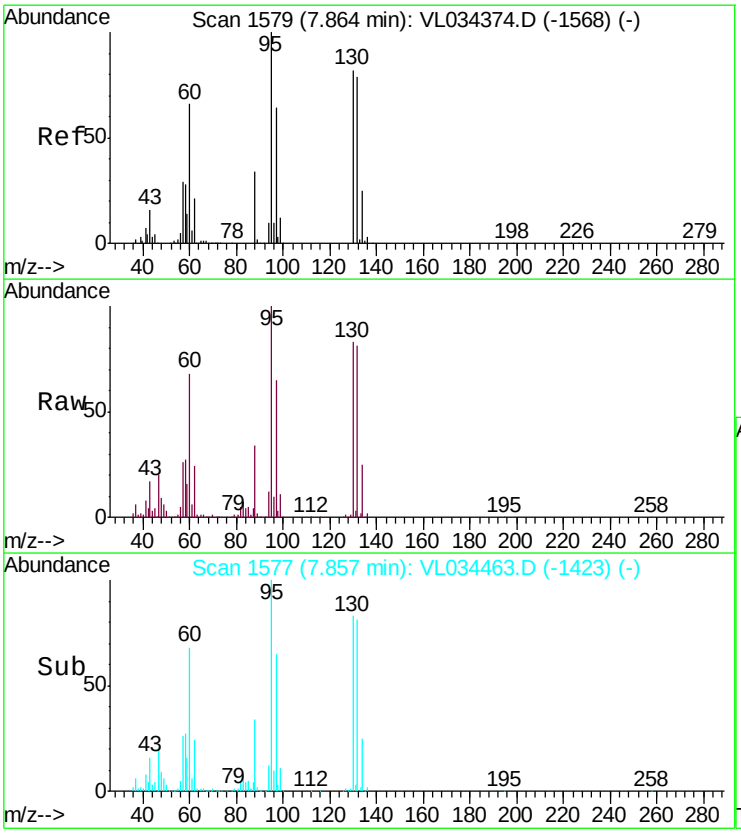
#39
1,2-Dichloropropane
Concen: 9.153 ppbv
RT: 7.64 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 656255

Ion	Ratio	Lower	Upper
63	100		
41	82.6	63.1	94.7
62	70.3	52.3	78.5

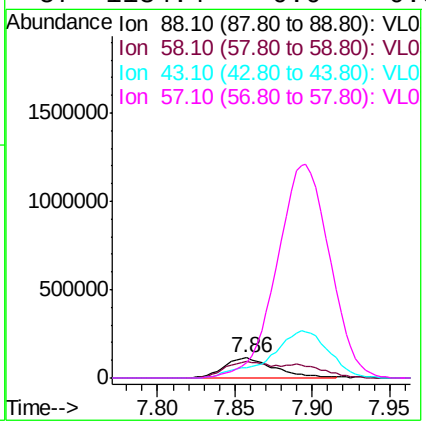


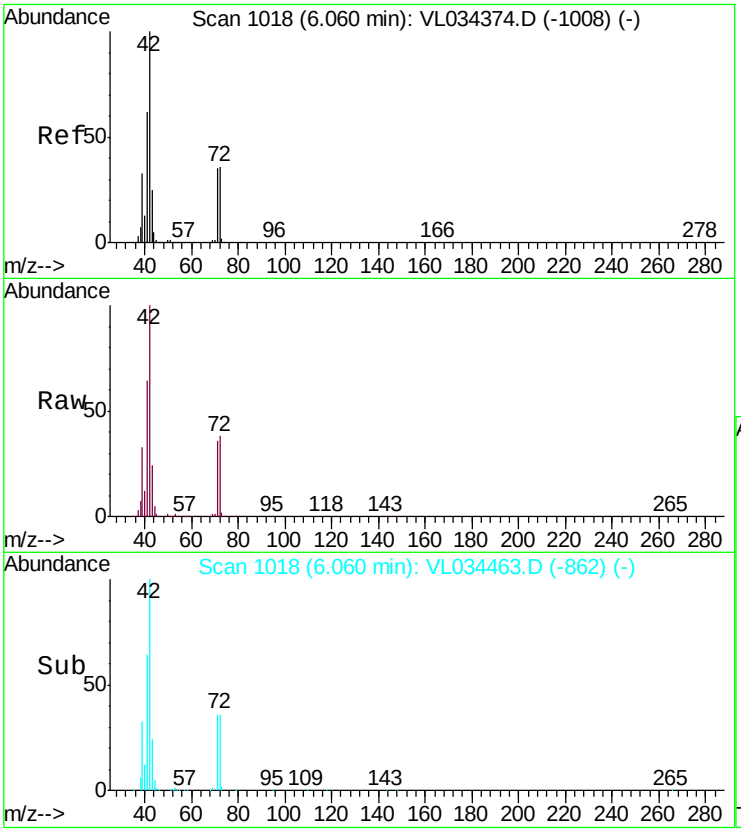


#40
1,4-Dioxane
Concen: 8.122 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 88 Resp: 254361

Ion	Ratio	Lower	Upper
88	100		
58	134.3	109.5	164.3
43	276.2	0.0	0.0#
57	1134.4	0.0	0.0#



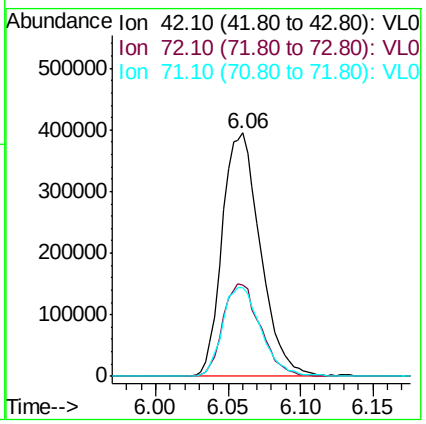


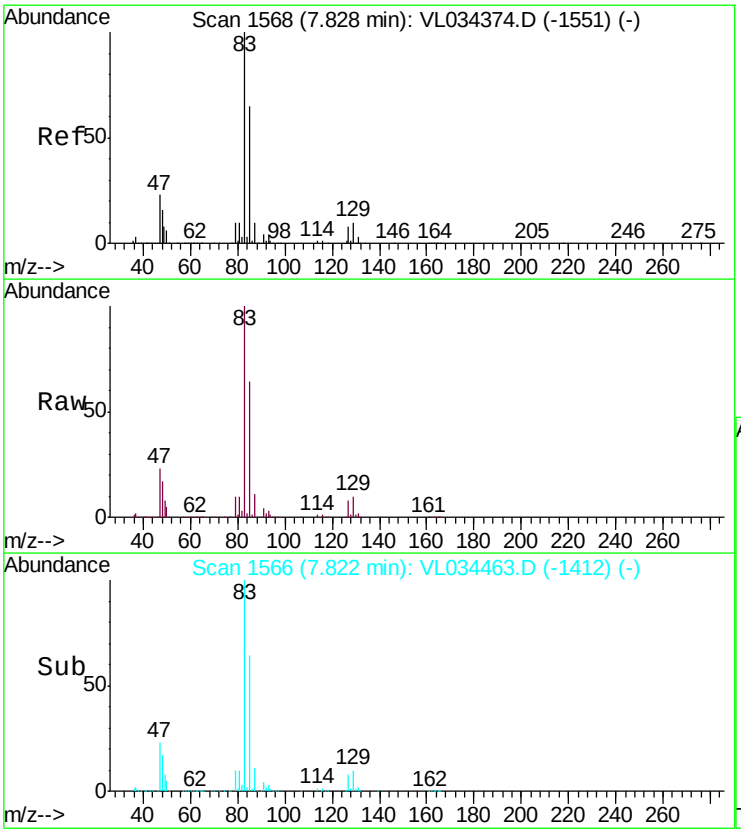
#41
Tetrahydrofuran
Concen: 8.361 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 718594

Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.4
71	37.3	29.4	44.2

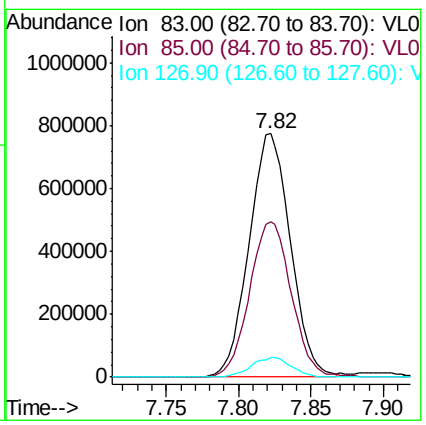


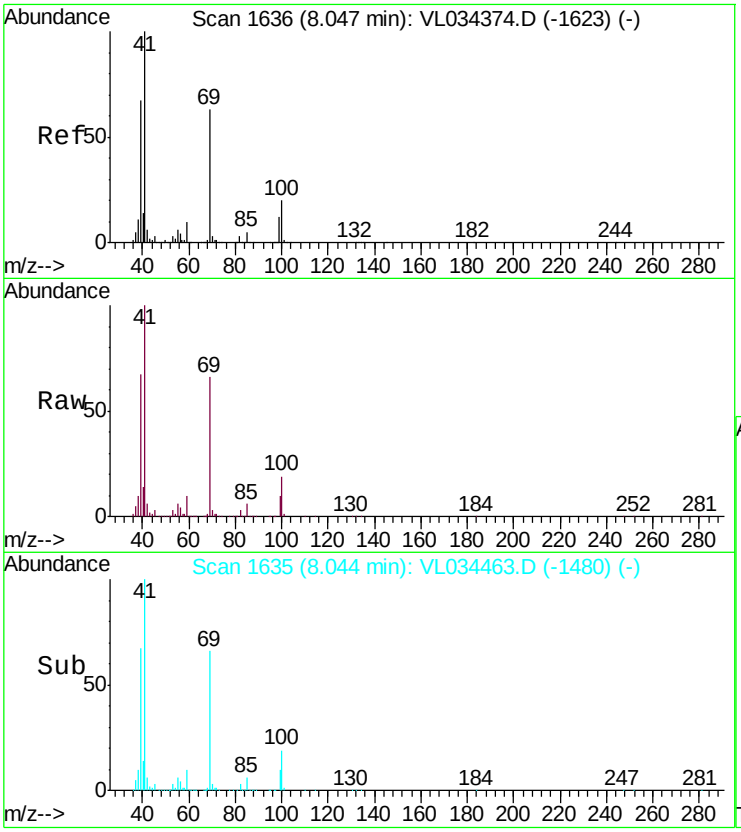


#42
Bromodichloromethane
Concen: 8.903 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 83 Resp: 1539372

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5
127	7.9	6.1	9.1



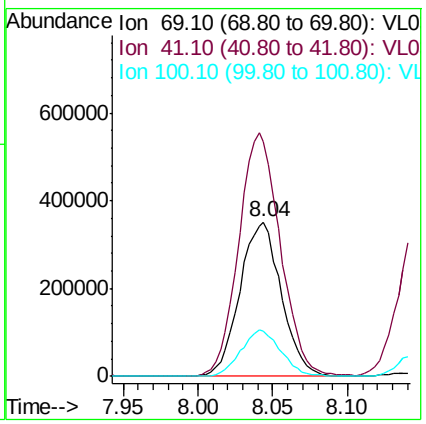


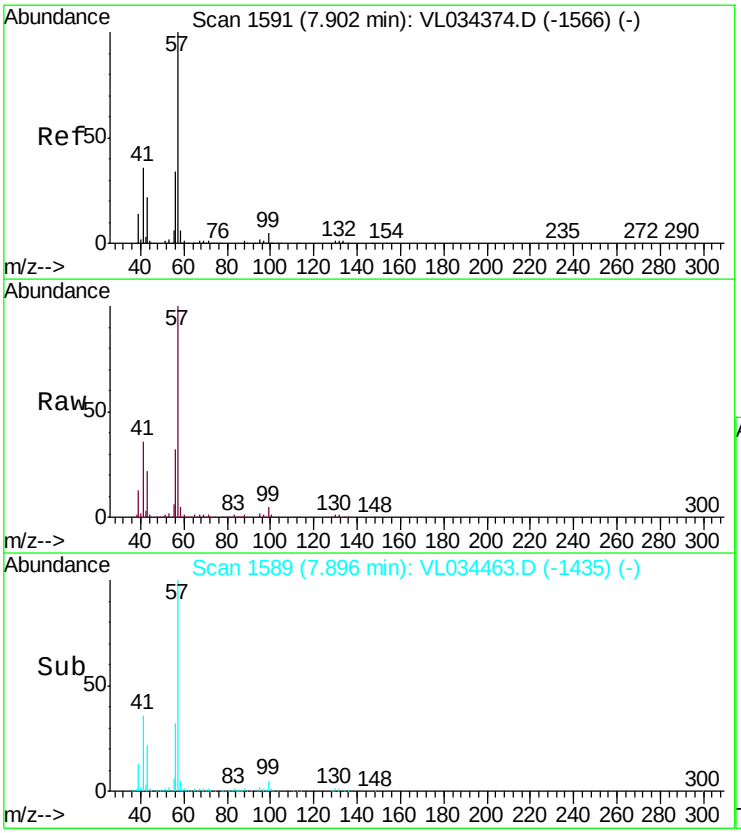
#43
Methyl Methacrylate
Concen: 8.768 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 676795

Ion	Ratio	Lower	Upper
69	100		
41	158.3	127.4	191.2
100	29.3	24.2	36.4

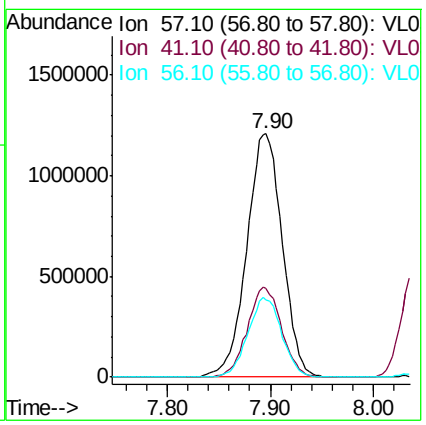


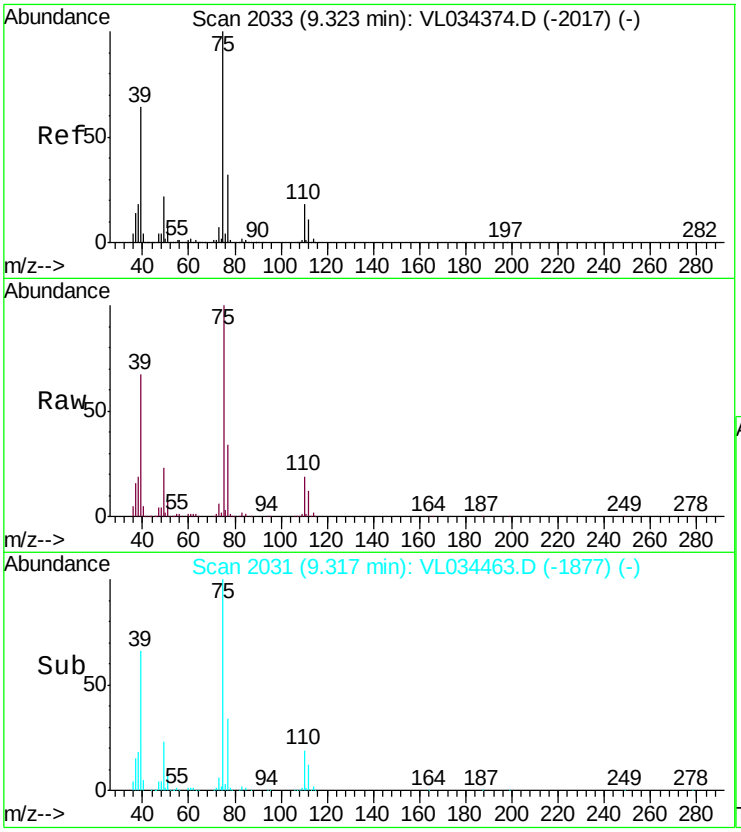


#44
2,2,4-Trimethylpentane
Concen: 8.473 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 57 Resp: 2881544

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.6	42.8
56	31.2	25.3	37.9



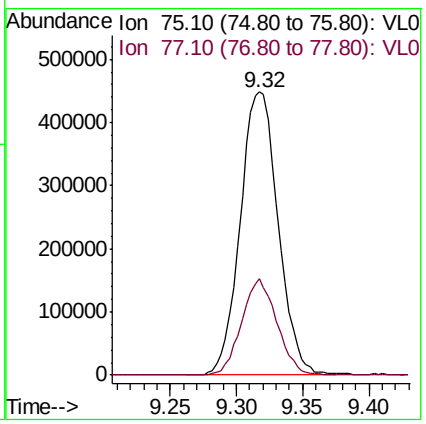


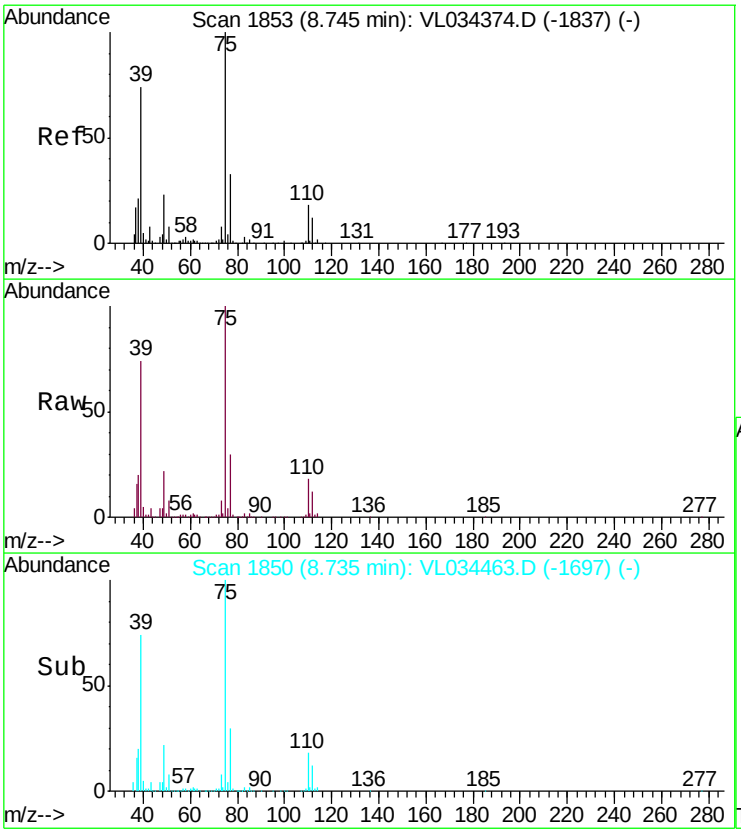
#45
t-1,3-Dichloropropene
Concen: 9.001 ppbv
RT: 9.32 min Scan# 2031
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 891021

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.4	38.2

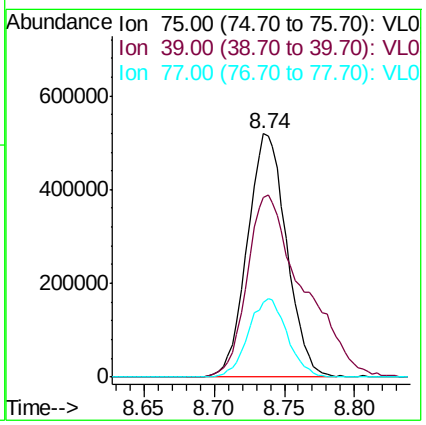


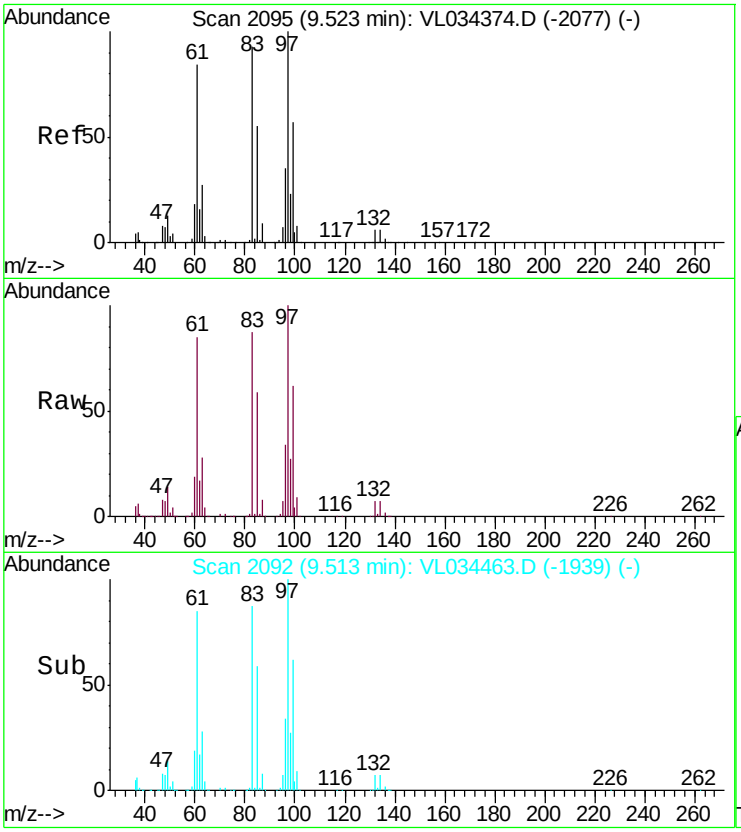


#46
cis-1,3-Dichloropropene
Concen: 9.075 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 75 Resp: 1009027

Ion	Ratio	Lower	Upper
75	100		
39	73.5	59.0	88.6
77	30.5	26.4	39.6



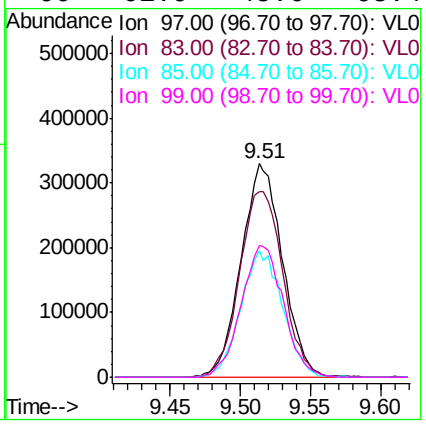


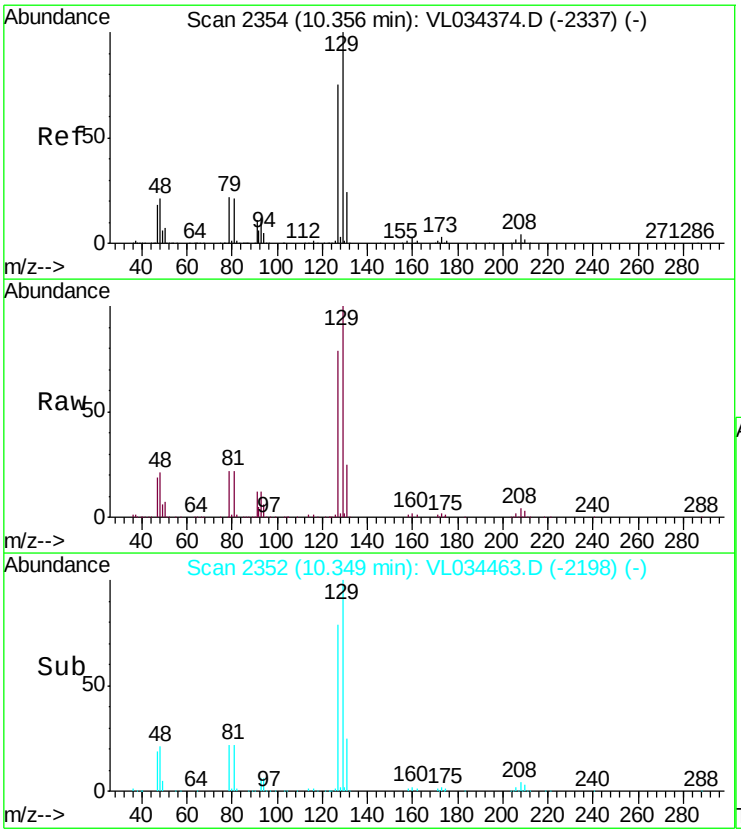
#47
1,1,2-Trichloroethane
Concen: 8.503 ppbv
RT: 9.51 min Scan# 2092
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 97 Resp: 678109

Ion	Ratio	Lower	Upper
97	100		
83	87.1	74.6	112.0
85	59.3	43.8	65.8
99	61.9	45.6	68.4

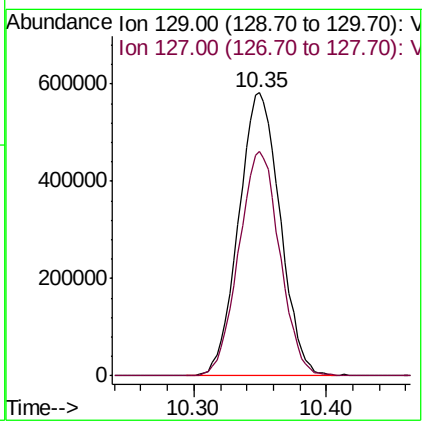


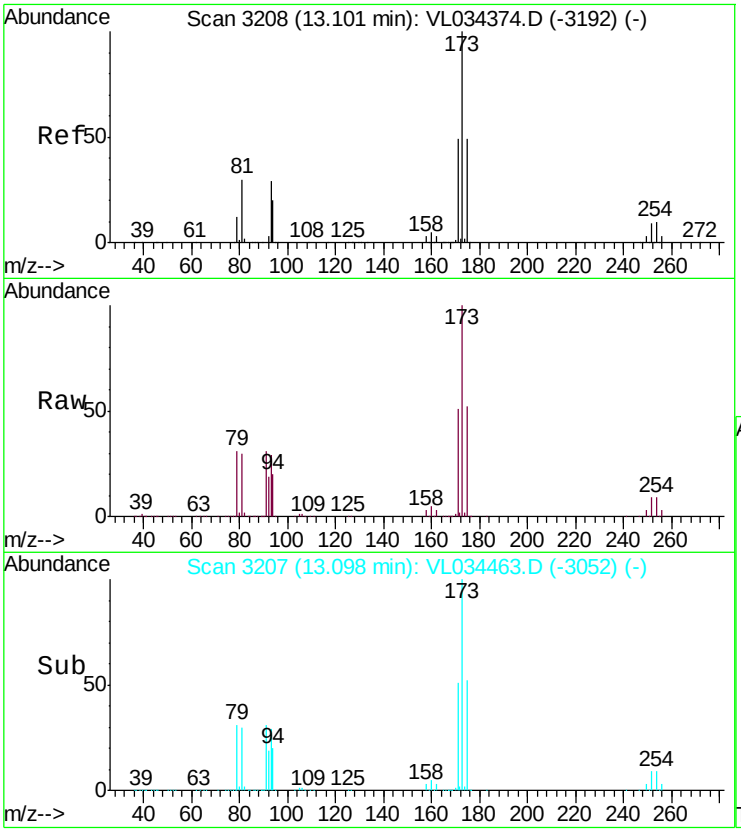


#48
Dibromochloromethane
Concen: 9.220 ppbv
RT: 10.35 min Scan# 2352
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:129 Resp: 1262483

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5



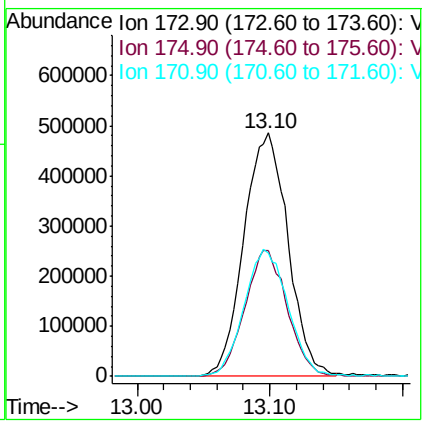


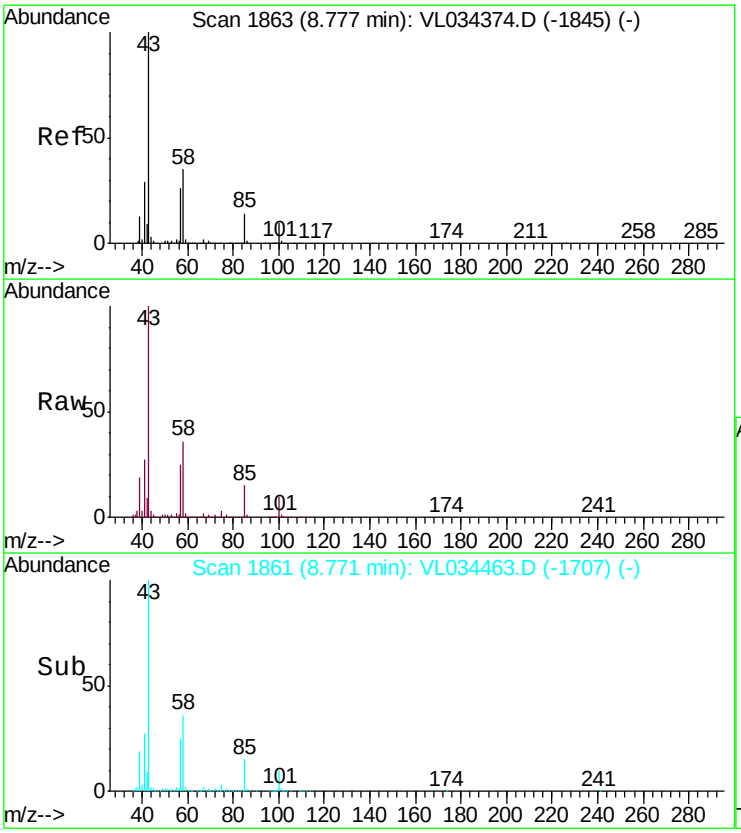
#49
Bromoform
Concen: 9.203 ppbv
RT: 13.10 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1124929

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.3	58.9
171	52.2	42.4	63.6

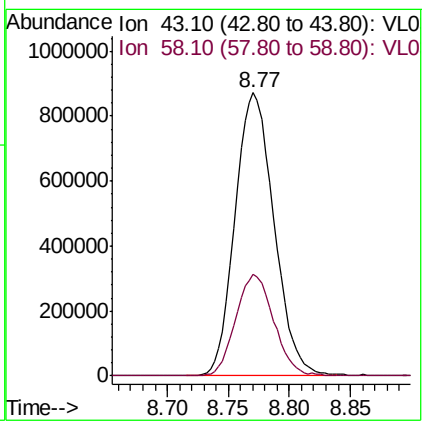


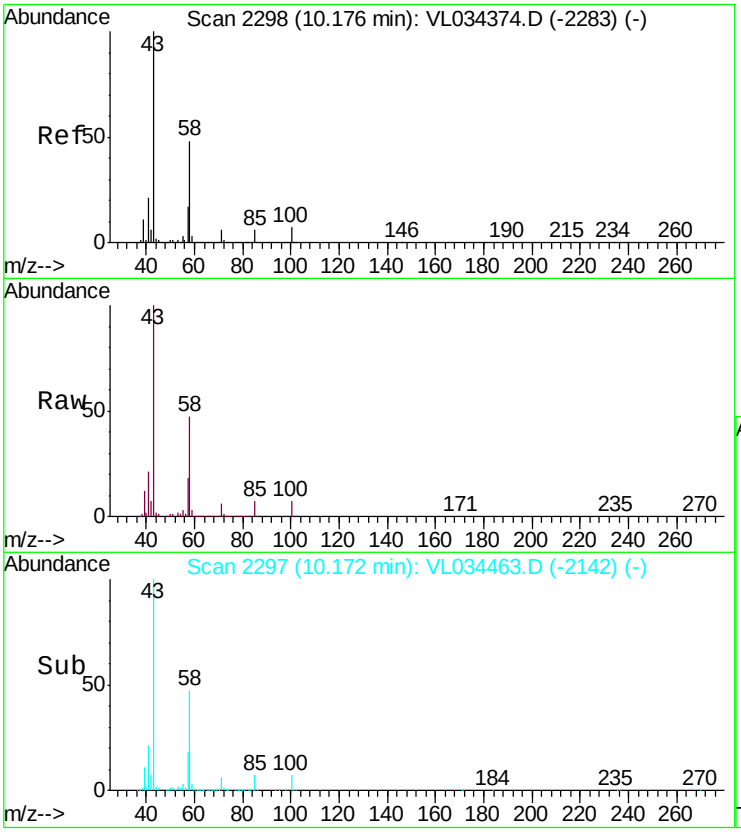


#50
4-Methyl-2-Pentanone
Concen: 8.666 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 43 Resp: 1921285

Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.9	41.9



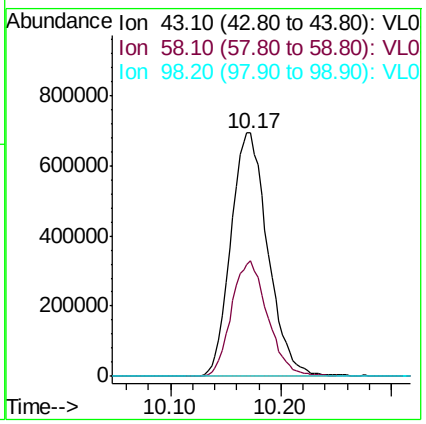


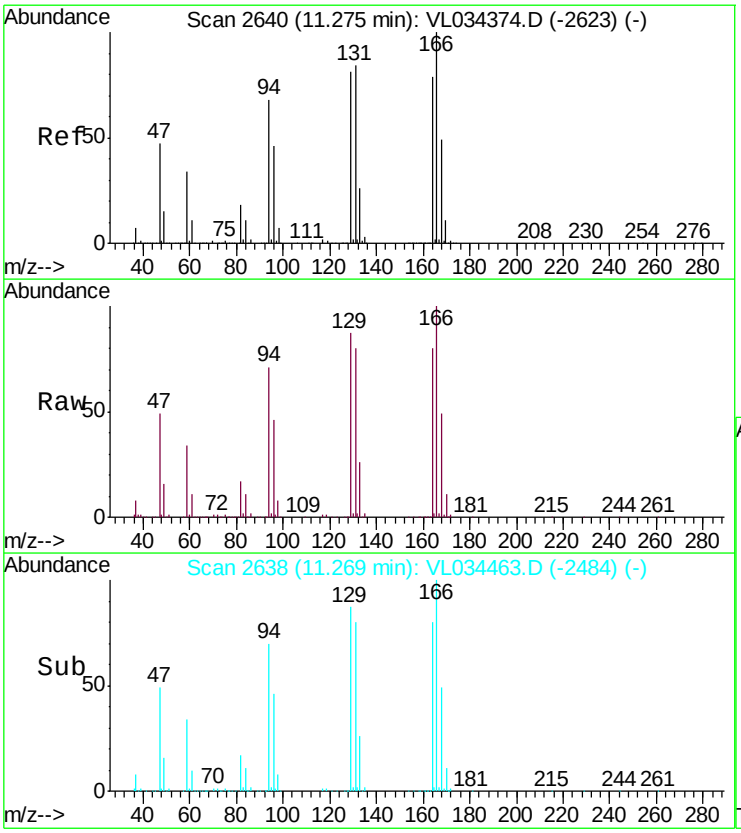
#51
2-Hexanone
Concen: 8.664 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1608948

Ion	Ratio	Lower	Upper
43	100		
58	46.6	38.2	57.4
98	0.2	0.2	0.2

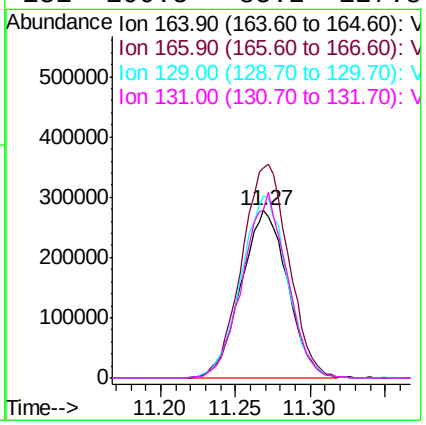


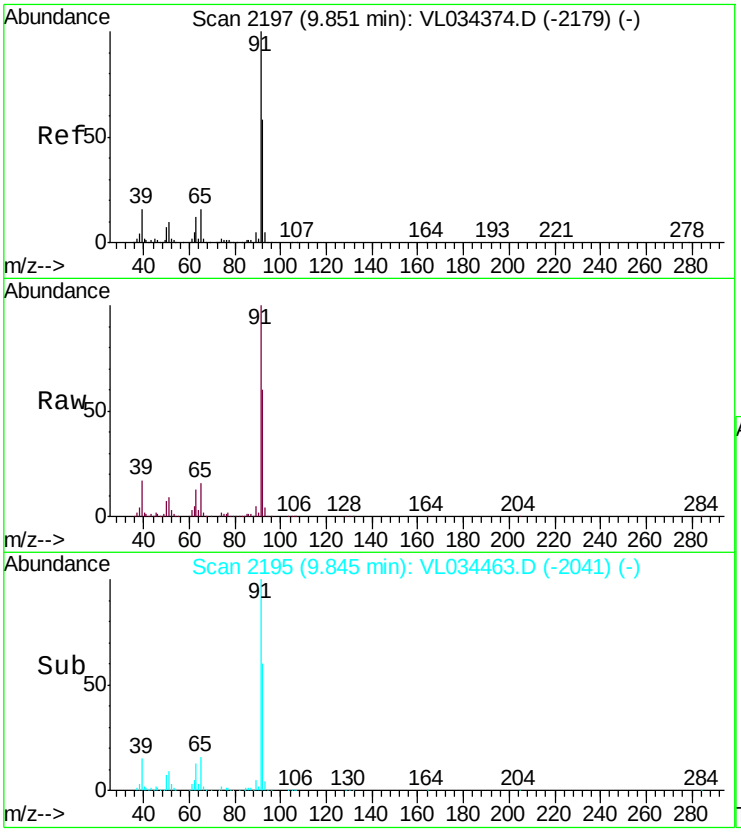


#52
Tetrachloroethene
Concen: 7.418 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:164 Resp: 597258

Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.7	152.5
129	108.8	82.6	123.8
131	100.5	85.2	127.8



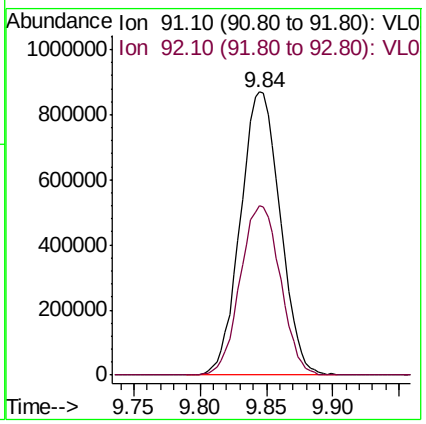


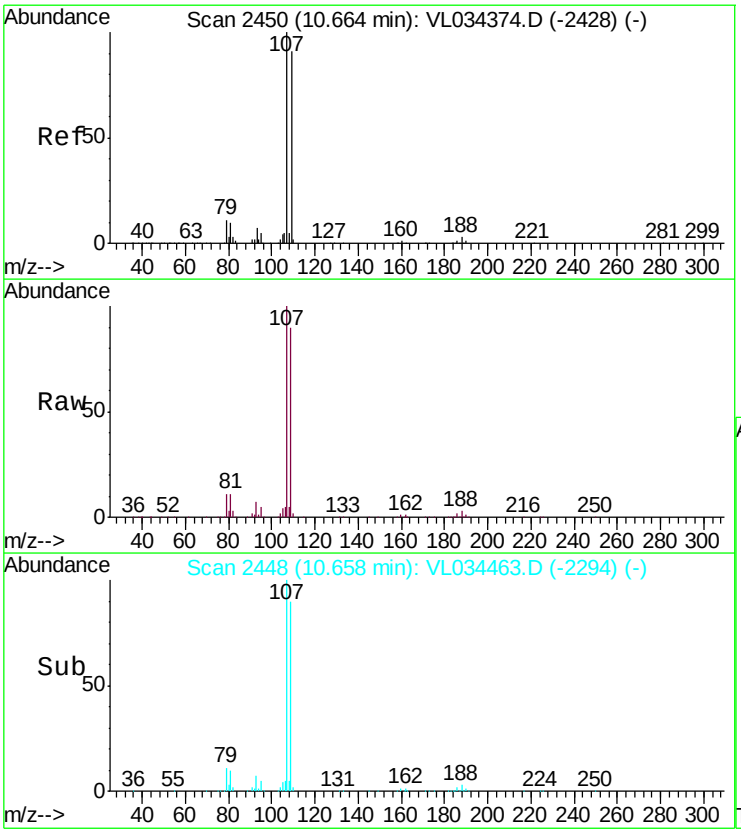
#53
Toluene
Concen: 8.586 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1815013

Ion	Ratio	Lower	Upper
91	100		
92	60.5	47.9	71.9

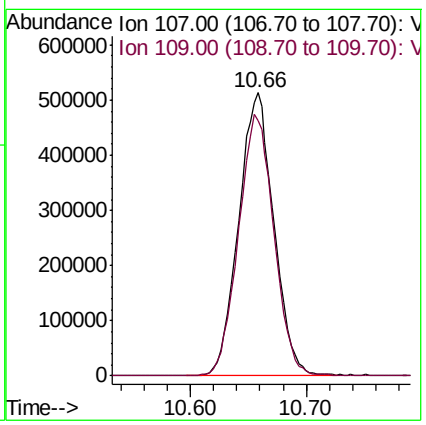


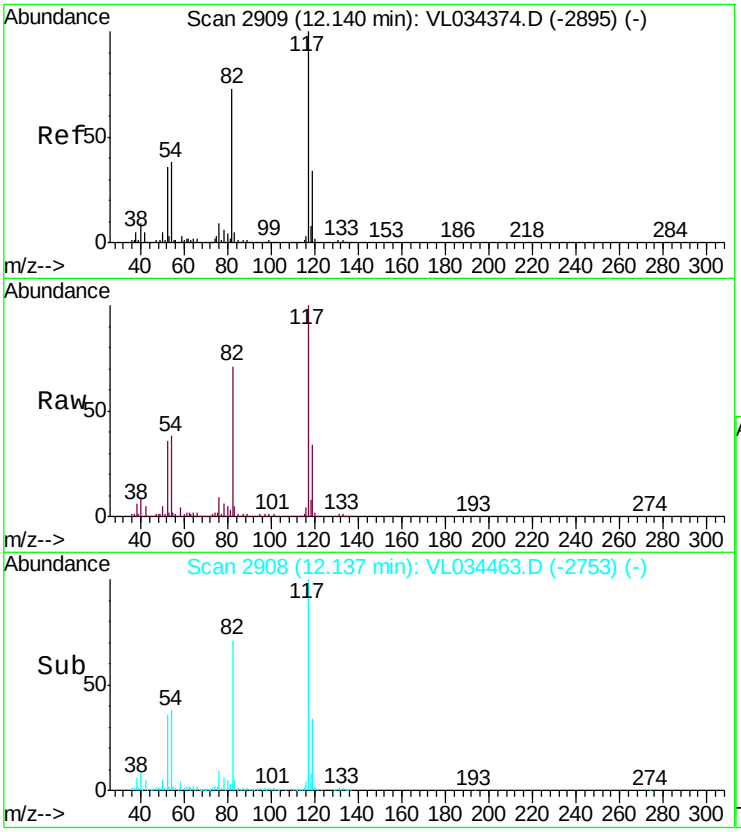


#54
1,2-Dibromoethane
Concen: 8.854 ppbv
RT: 10.66 min Scan# 2448
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:107 Resp: 1082624

Ion	Ratio	Lower	Upper
107	100		
109	90.3	73.0	109.4



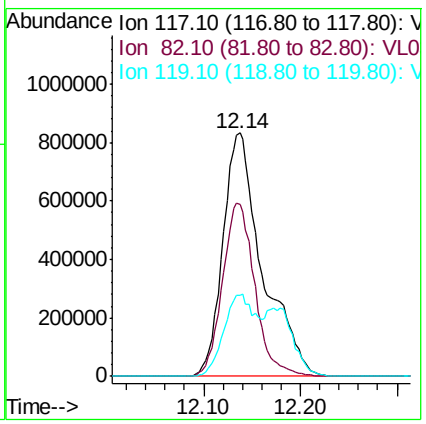


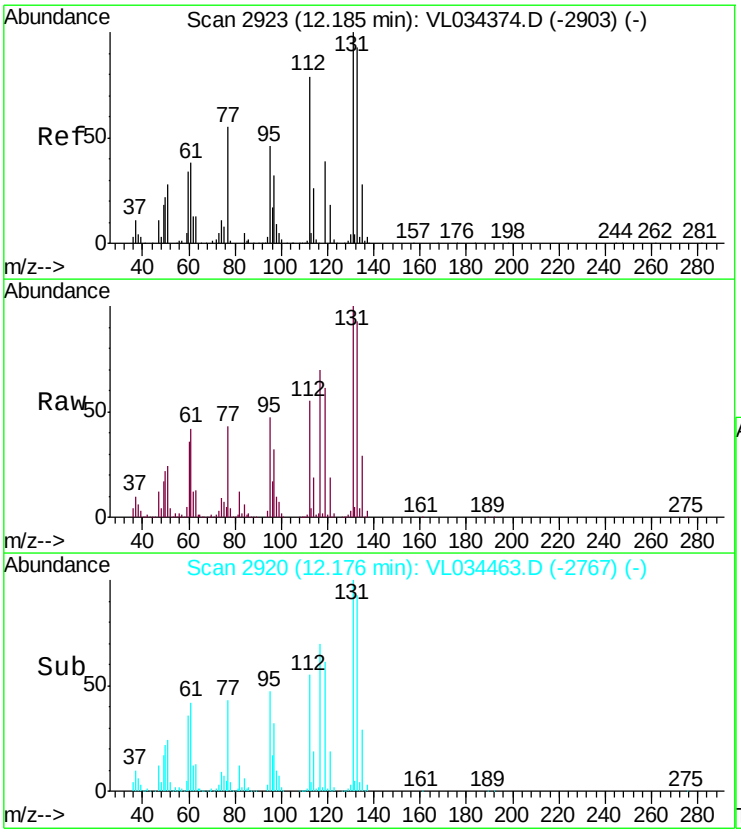
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2366998

Ion	Ratio	Lower	Upper
117	100		
82	58.2	57.5	86.3
119	27.6	25.4	38.2

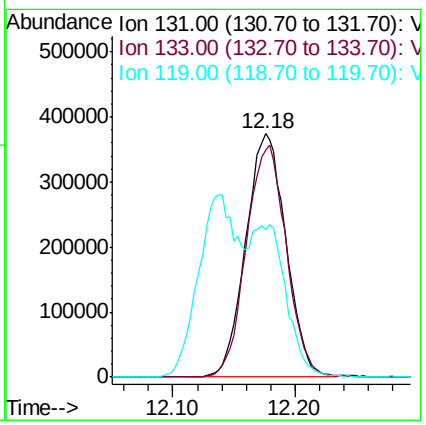


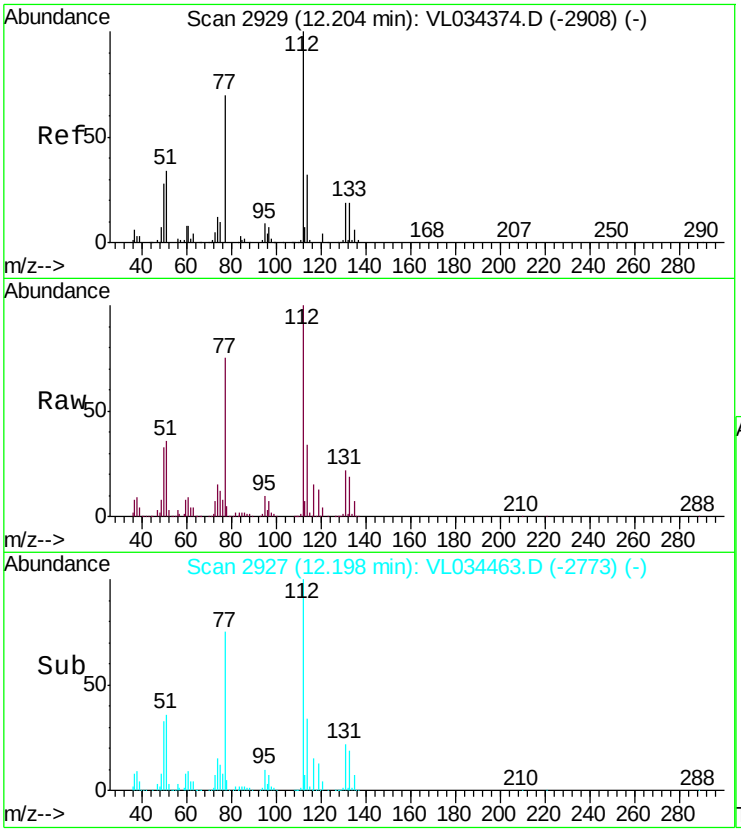


#56
1,1,1,2-Tetrachloroethane
Concen: 7.358 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:131 Resp: 851876

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.2	114.2
119	132.5	44.6	67.0#



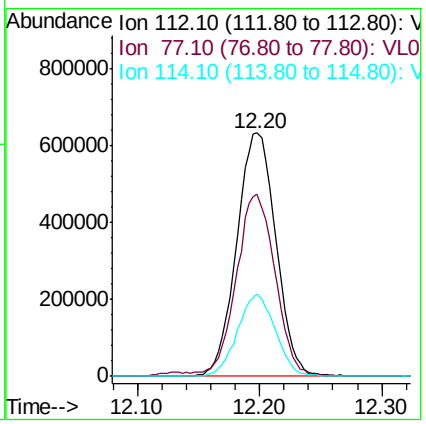


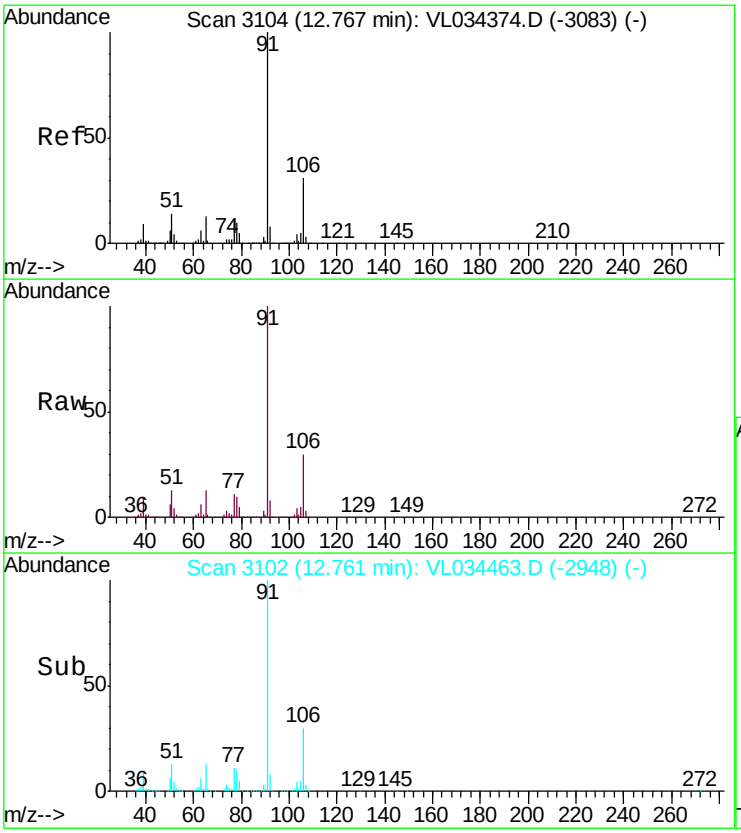
#57
Chlorobenzene
Concen: 6.543 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1399911

Ion	Ratio	Lower	Upper
112	100		
77	74.8	57.1	85.7
114	33.9	28.5	34.9

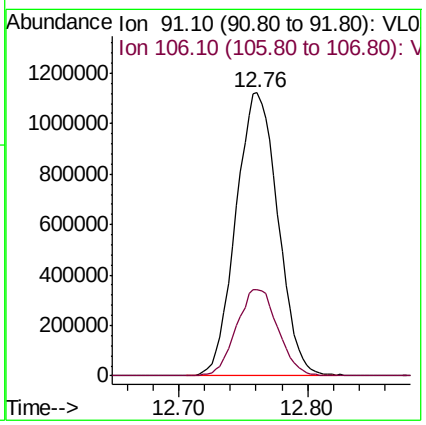


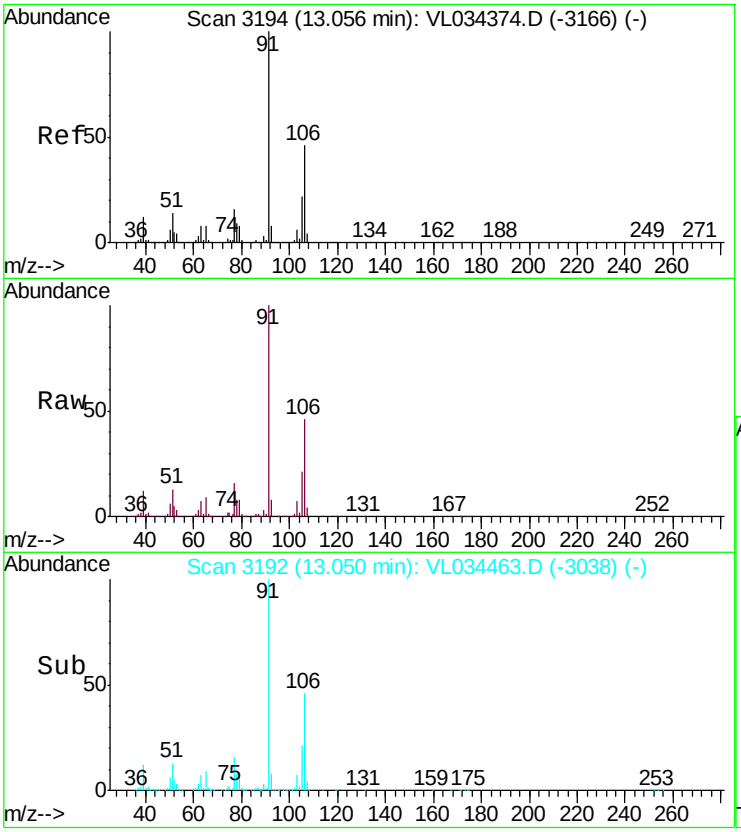


#58
Ethyl Benzene
Concen: 6.944 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 2550830

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.8	37.2



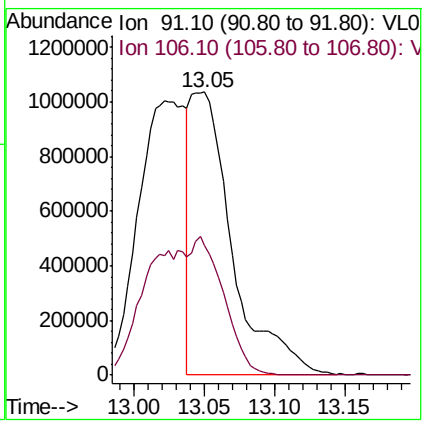


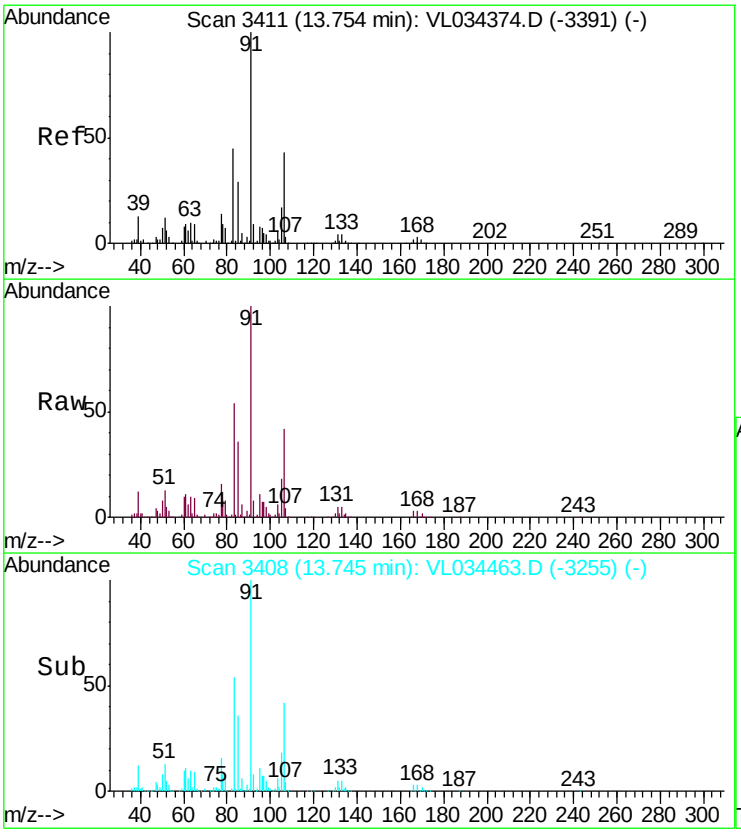
#59
m/p-Xylene
Concen: 6.692 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2124856

Ion	Ratio	Lower	Upper
91	100		
106	88.1	34.6	51.8#

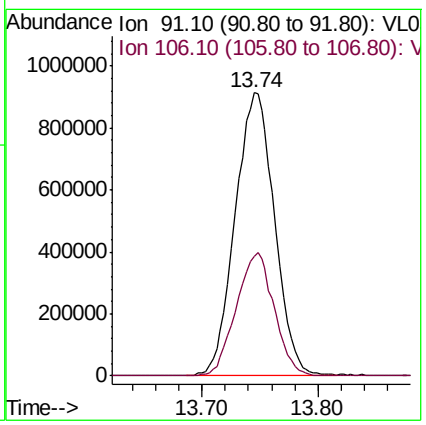


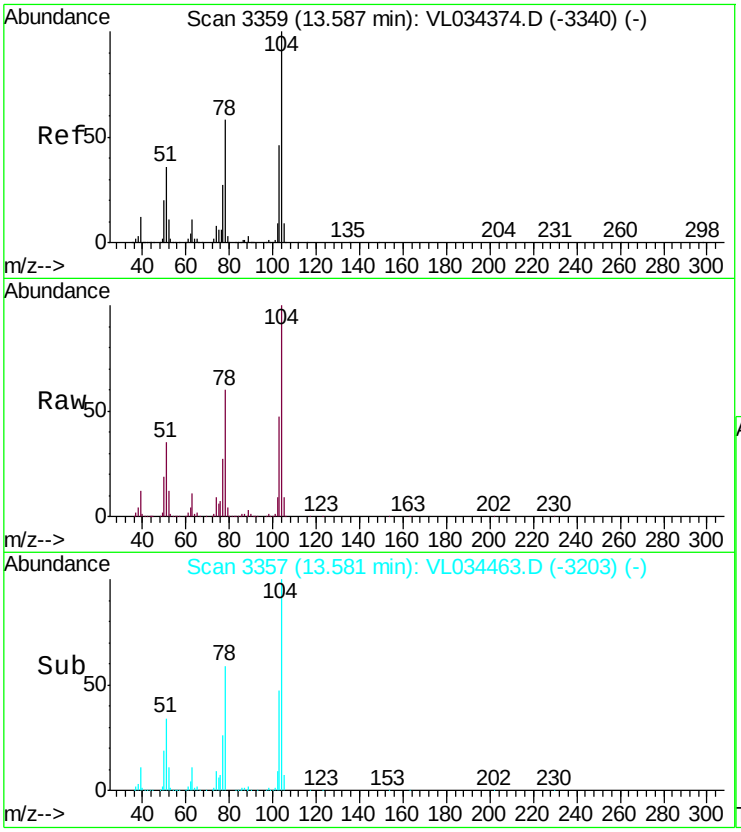


#60
o-Xylene
Concen: 6.845 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 2148975

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.3	64.0



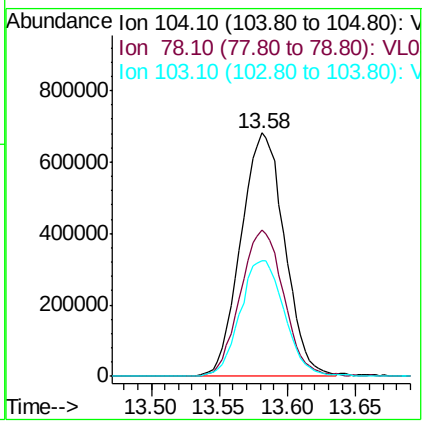


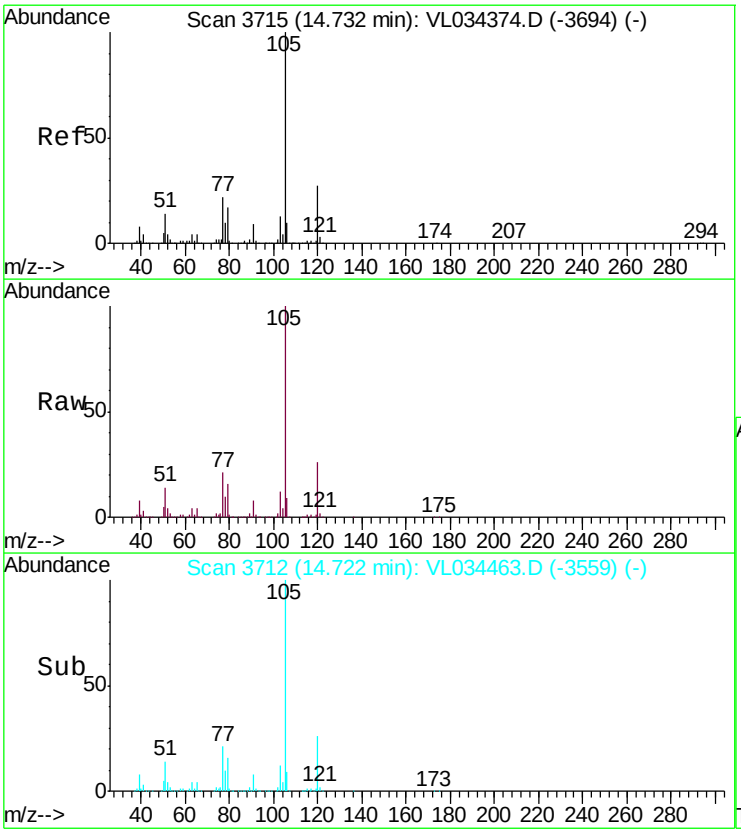
#61
Styrene
Concen: 6.667 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1509284

Ion	Ratio	Lower	Upper
104	100		
78	60.5	47.6	71.4
103	48.5	38.6	57.8

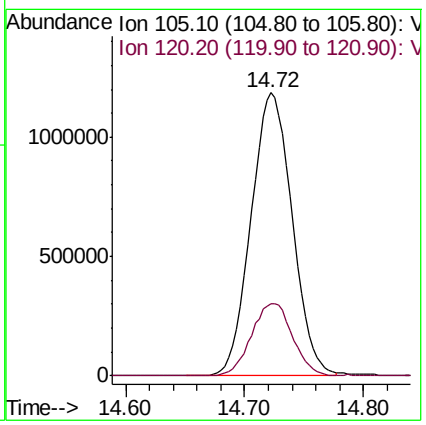


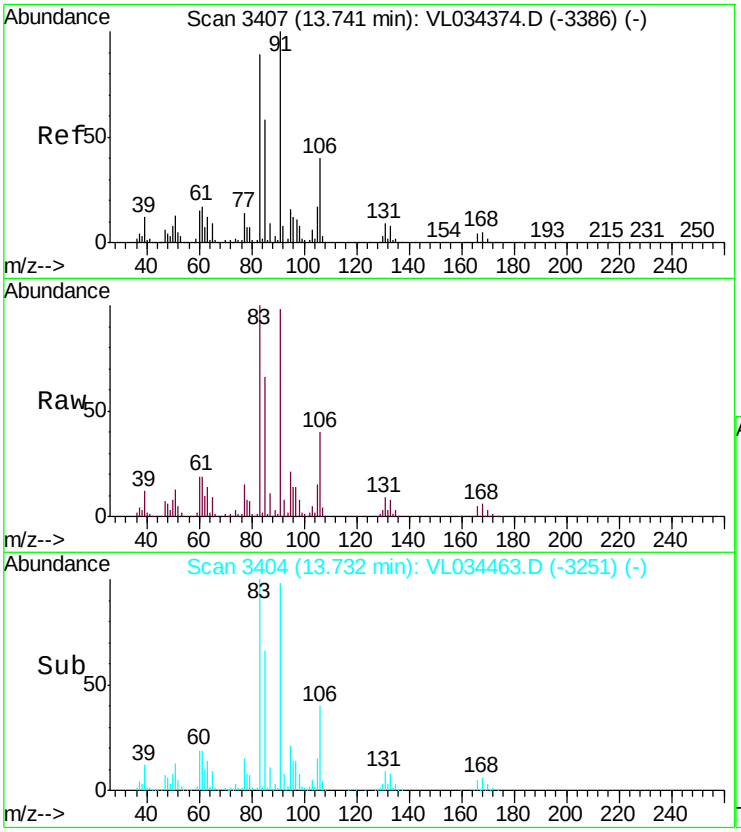


#62
Isopropylbenzene
Concen: 6.842 ppbv
RT: 14.72 min Scan# 3712
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:105 Resp: 2840617

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.2	30.4



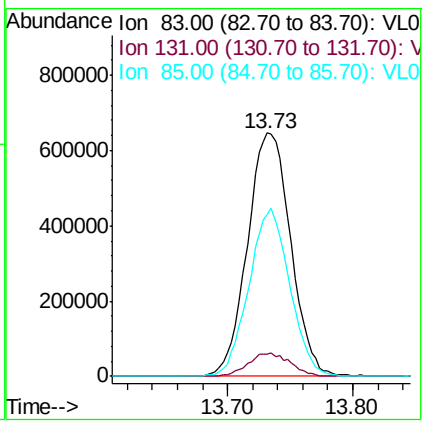


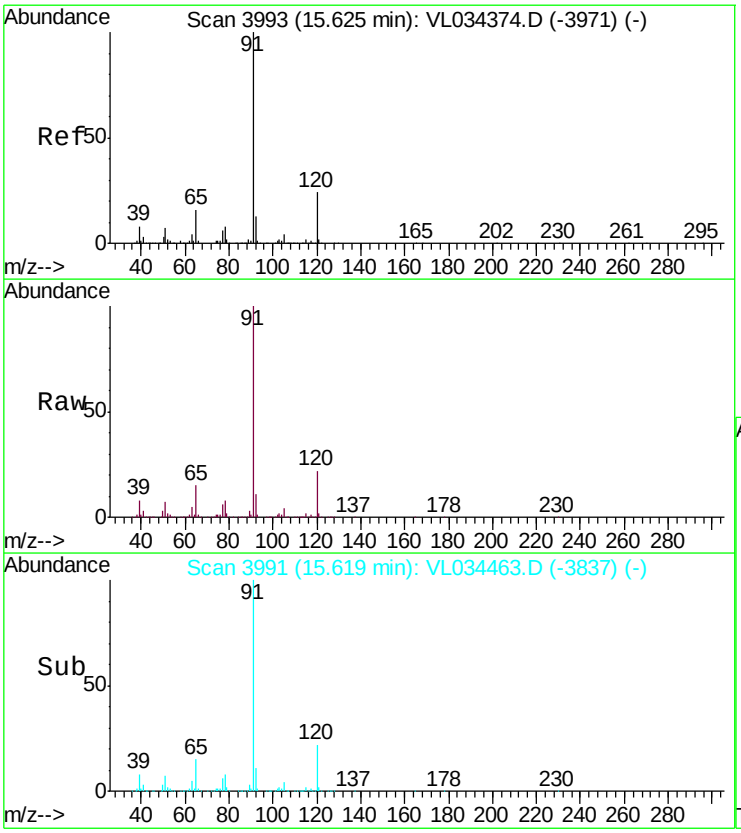
#63
1,1,2,2-Tetrachloroethane
Concen: 6.559 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1547882

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	65.4	32.6	97.8

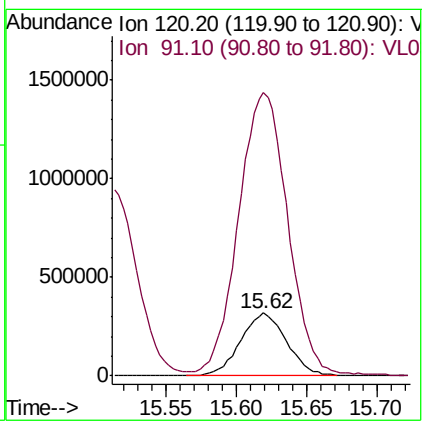


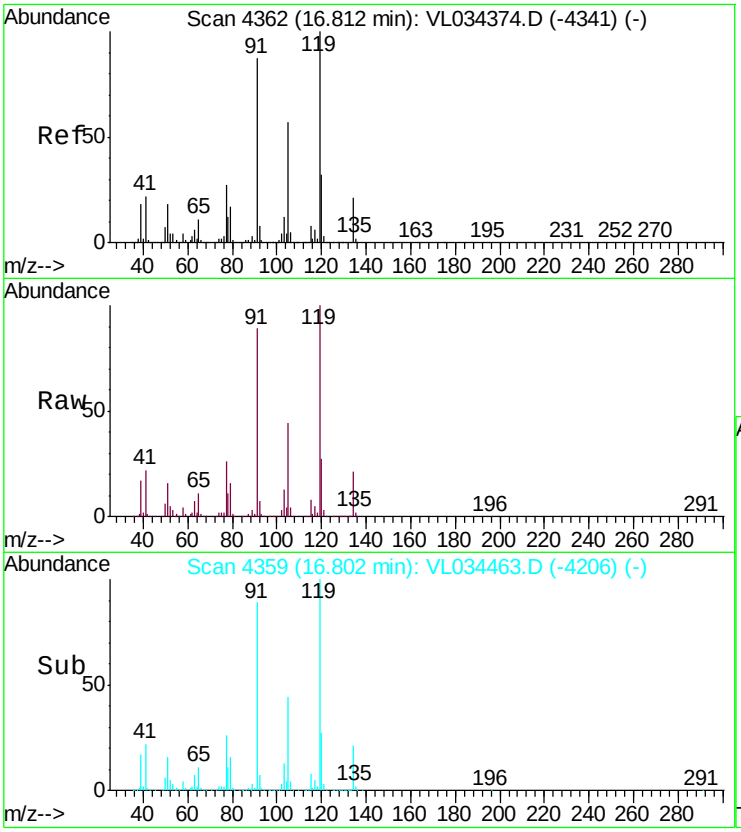


#64
n-propylbenzene
Concen: 6.734 ppbv
RT: 15.62 min Scan# 3991
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:120 Resp: 726077

Ion	Ratio	Lower	Upper
120	100		
91	487.0	370.9	556.3



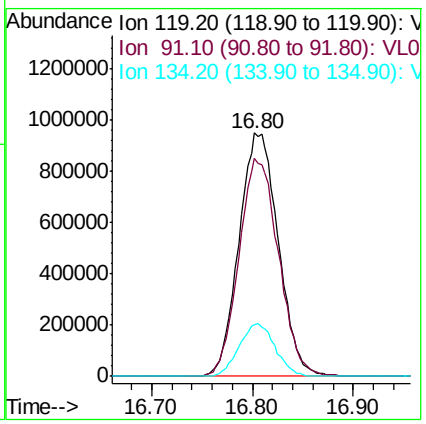


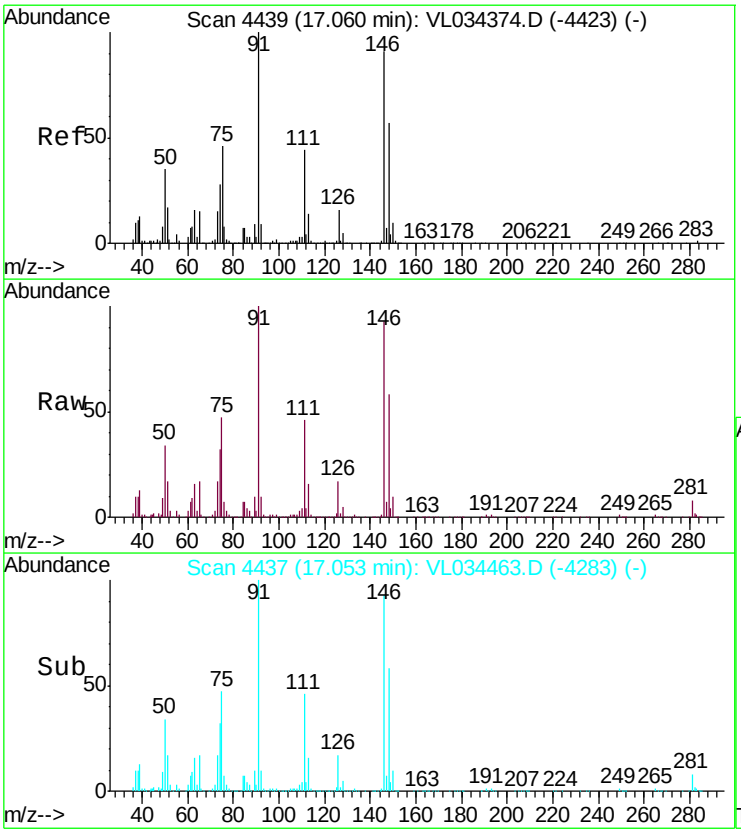
#65
tert-Butylbenzene
Concen: 6.888 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 2568859

Ion	Ratio	Lower	Upper
119	100		
91	90.1	71.6	107.4
134	19.9	15.9	23.9

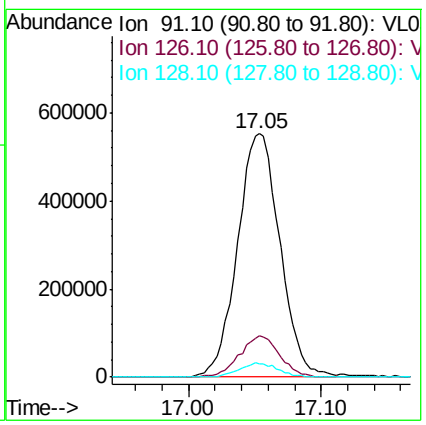


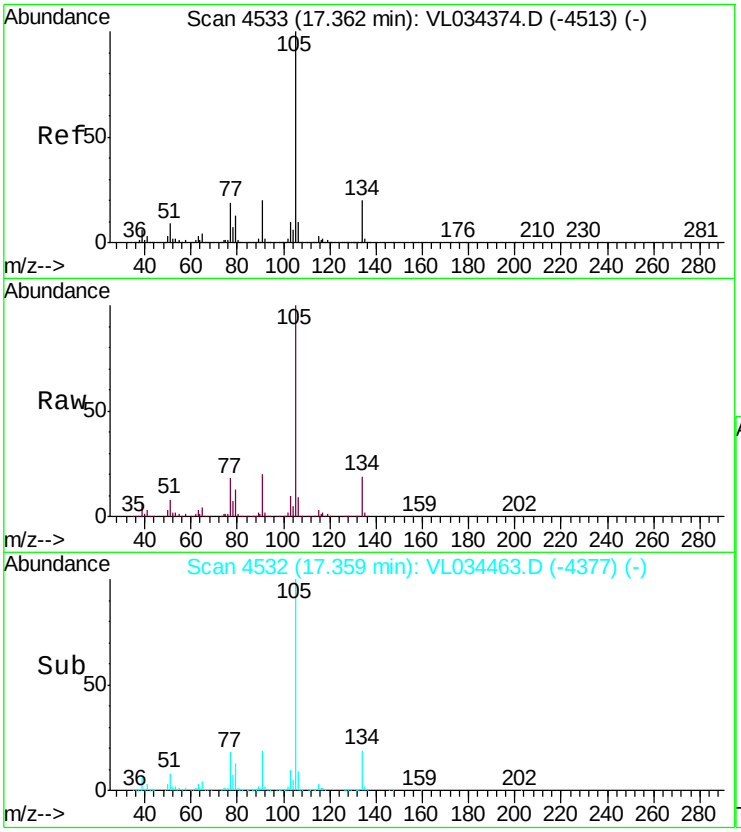


#66
Benzyl Chloride
Concen: 8.542 ppbv
RT: 17.05 min Scan# 4437
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 1225587

Ion	Ratio	Lower	Upper
91	100		
126	16.3	12.9	19.3
128	5.4	4.3	6.5



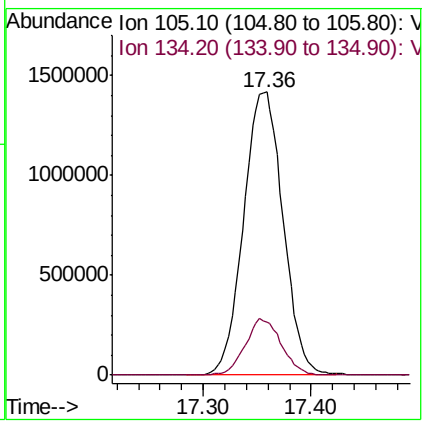


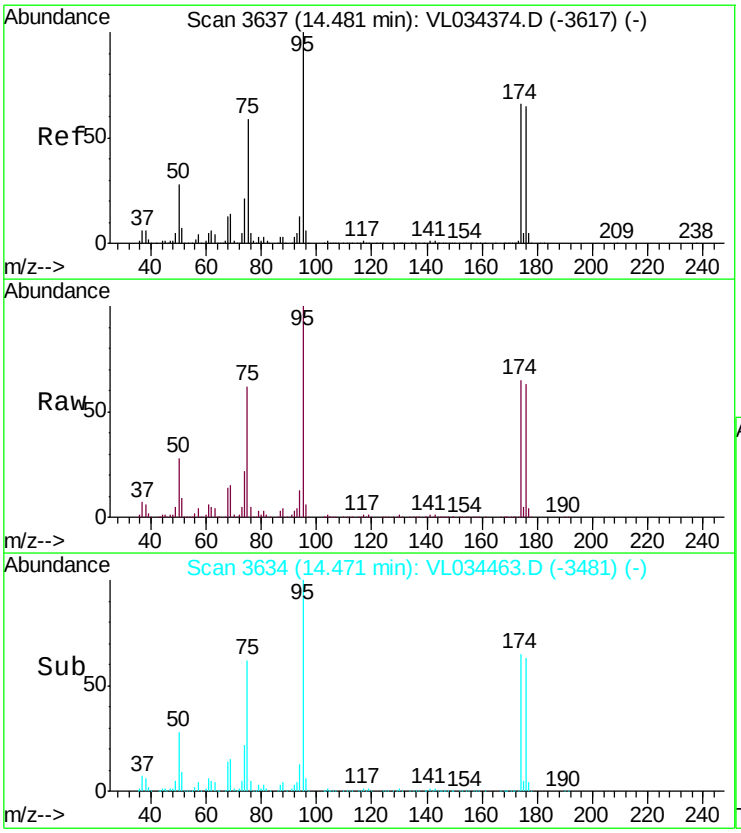
#67
sec-Butylbenzene
Concen: 6.892 ppbv
RT: 17.36 min Scan# 4532
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3595801

Ion	Ratio	Lower	Upper
105	100		
134	18.4	15.0	22.6

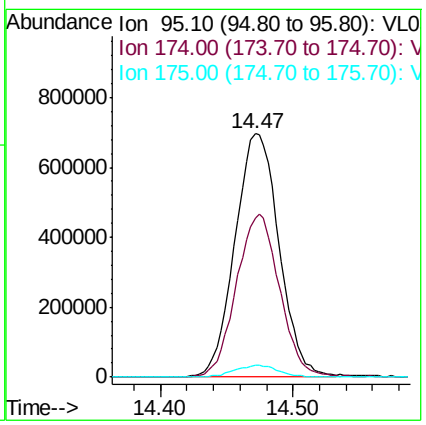


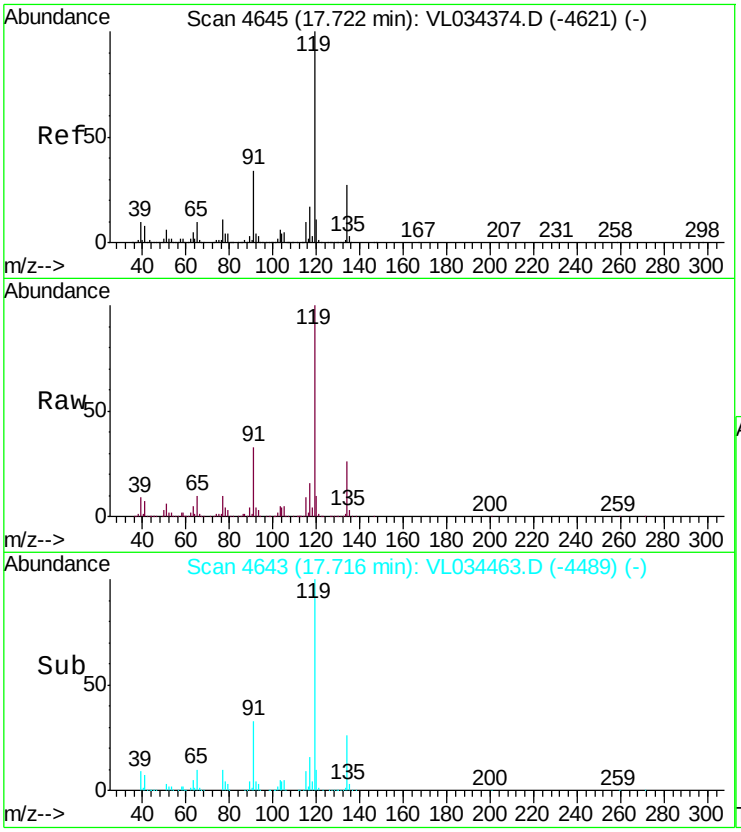


#68
1-Bromo-4-Fluorobenzene
Concen: 8.068 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 95 Resp: 1606652

Ion	Ratio	Lower	Upper
95	100		
174	65.8	52.2	78.2
175	4.8	3.8	5.8



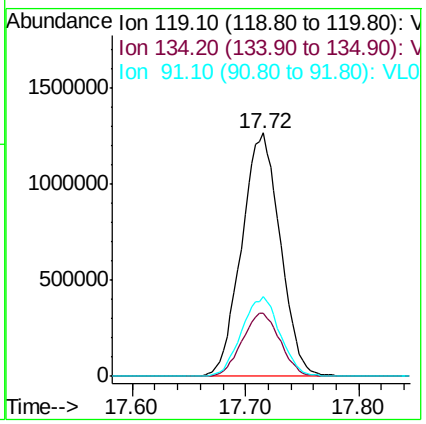


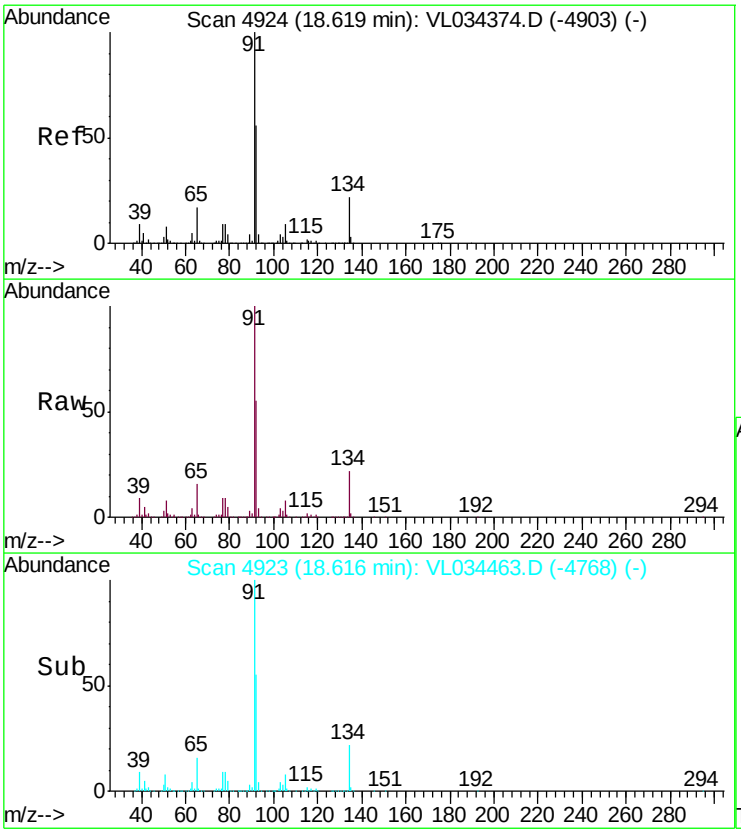
#69
p-Isopropyltoluene
Concen: 6.932 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3001341

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	31.0
91	32.5	26.3	39.5

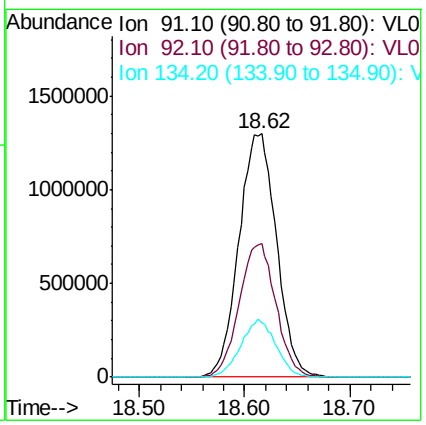


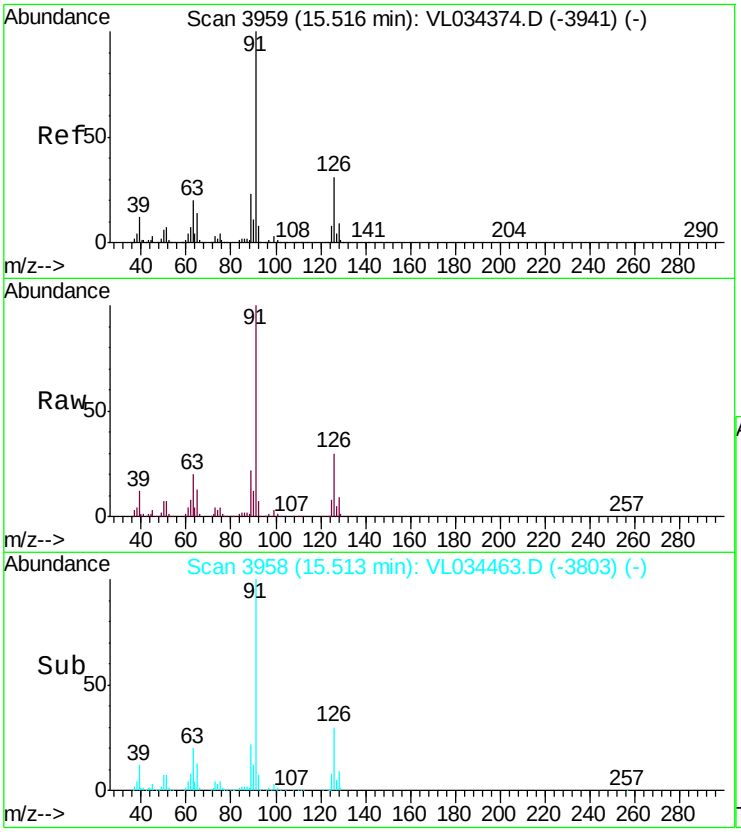


#70
n-Butylbenzene
Concen: 6.893 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 3211455

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.6
134	22.2	17.9	26.9



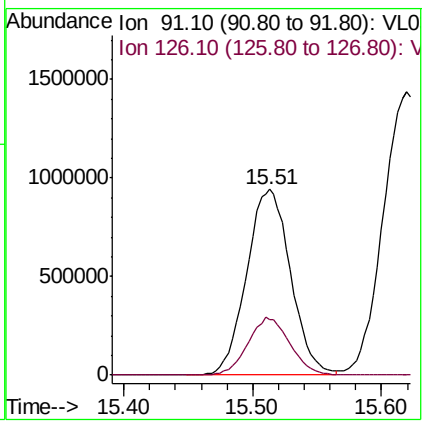


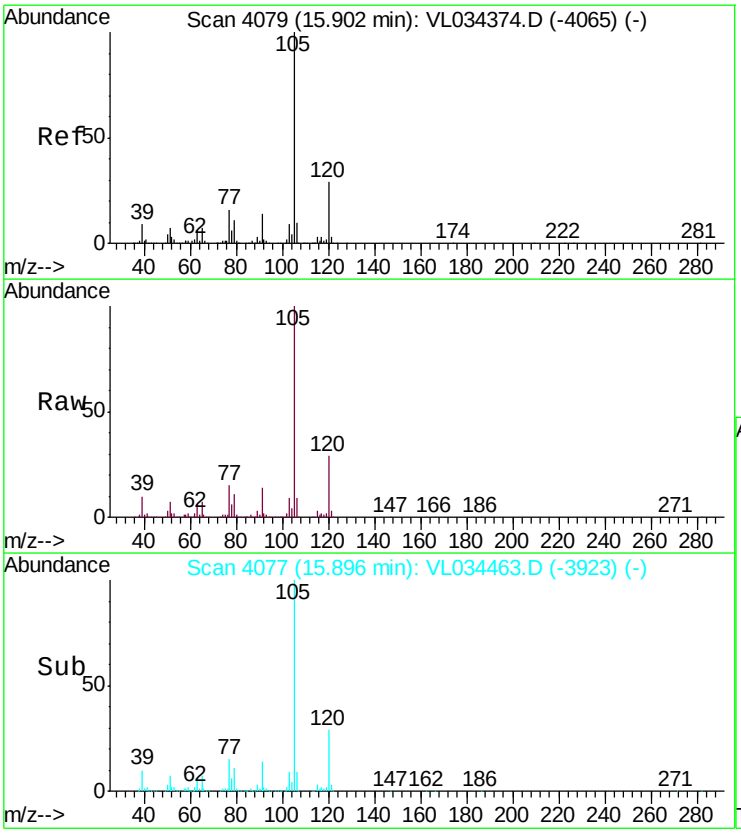
#71
2-Chlorotoluene
Concen: 6.751 ppbv
RT: 15.51 min Scan# 3958
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2235119

Ion	Ratio	Lower	Upper
91	100		
126	30.0	11.8	47.4

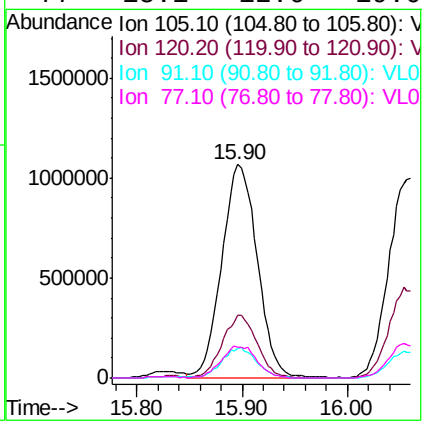


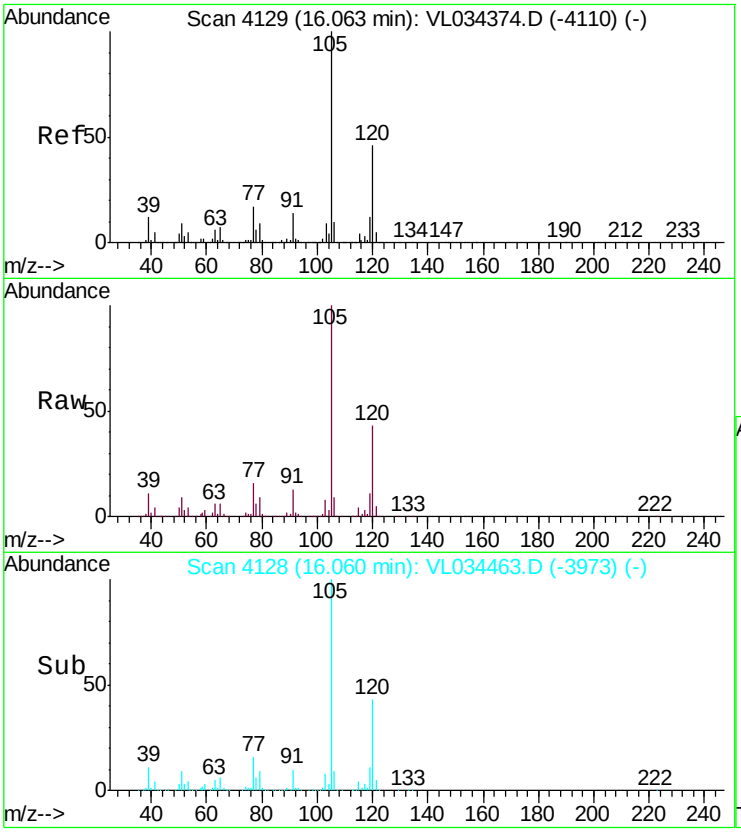


#72
4-Ethyltoluene
Concen: 6.857 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:105 Resp: 2487181

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	14.2	11.4	17.0
77	15.1	12.6	19.0



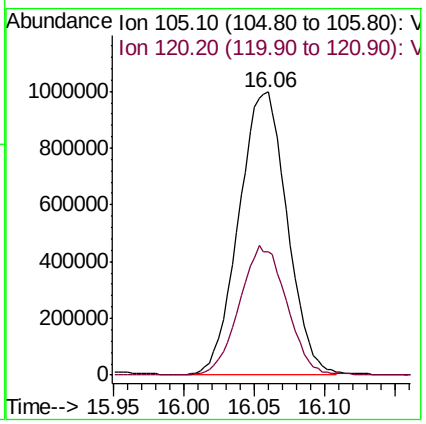


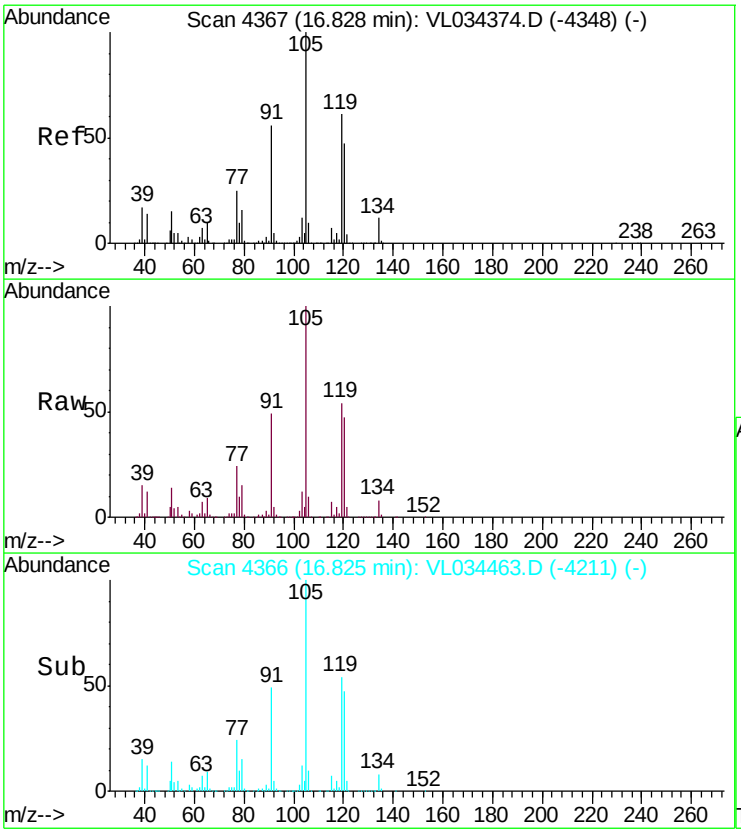
#73
1,3,5-Trimethylbenzene
Concen: 6.685 ppbv
RT: 16.06 min Scan# 4128
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2373465

Ion	Ratio	Lower	Upper
105	100		
120	43.5	37.1	55.7

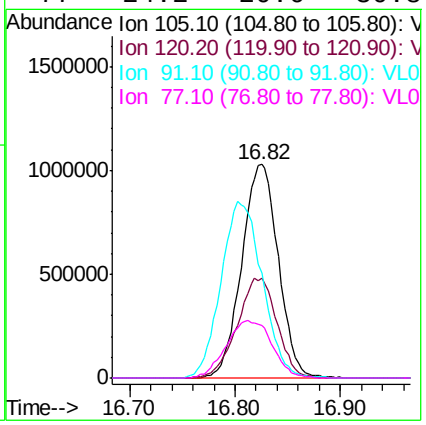


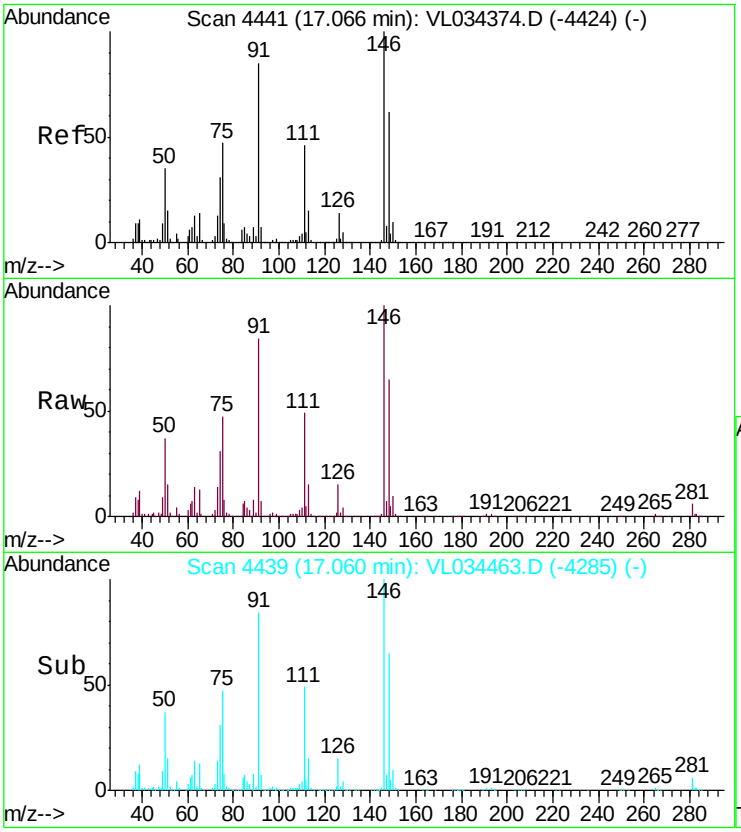


#74
1,2,4-Trimethylbenzene
Concen: 6.597 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:105 Resp: 2488040

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.4	56.0
91	48.9	46.3	69.5
77	24.2	20.6	30.8



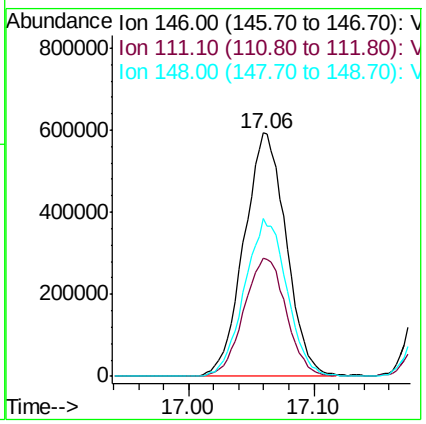


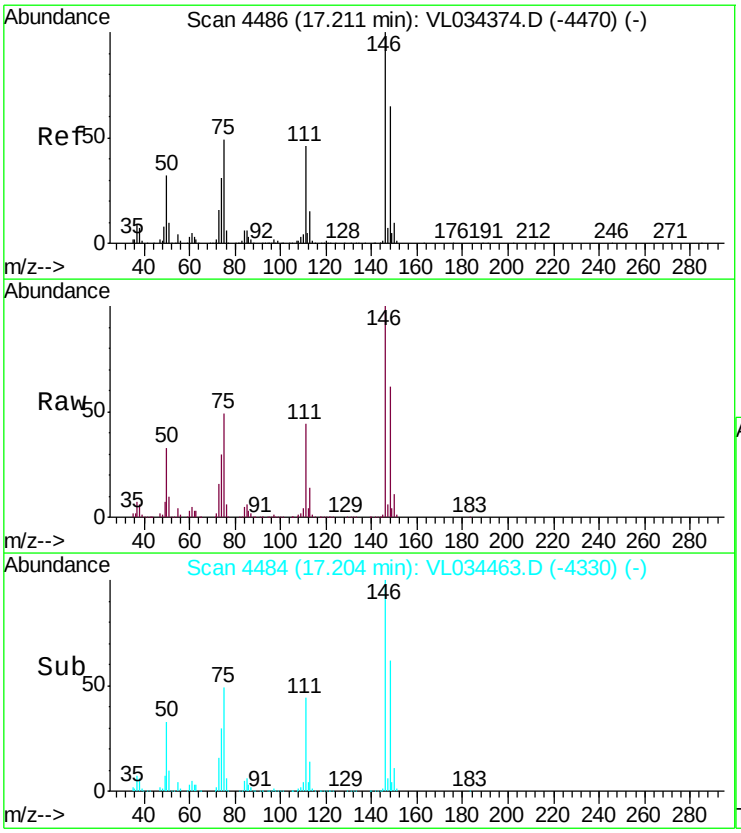
#75
1,3-Dichlorobenzene
Concen: 6.403 ppbv
RT: 17.06 min Scan# 4439
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1388130

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.4
148	64.8	32.4	97.0

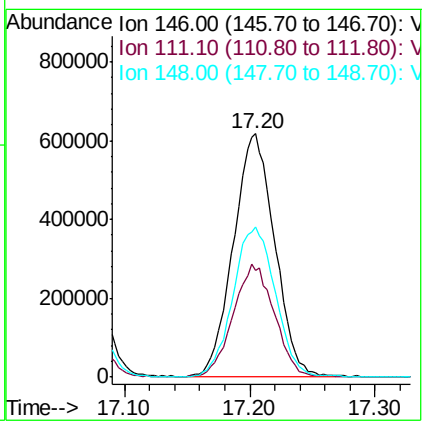


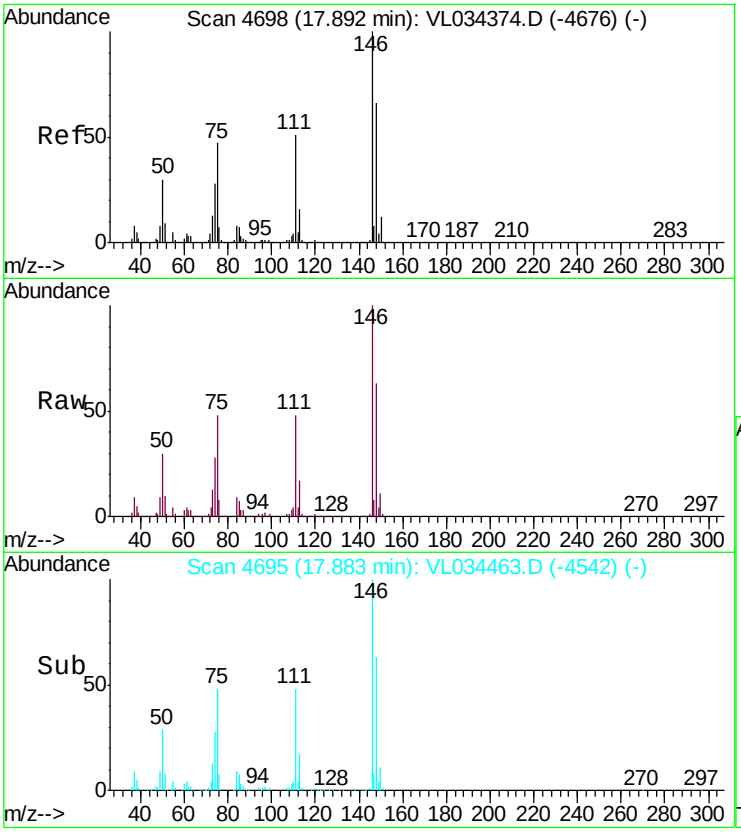


#76
1,4-Dichlorobenzene
Concen: 6.643 ppbv
RT: 17.20 min Scan# 4484
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:146 Resp: 1398551

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.1	72.3
148	64.1	32.9	98.6



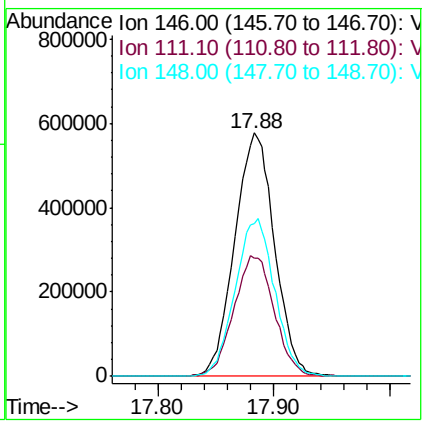


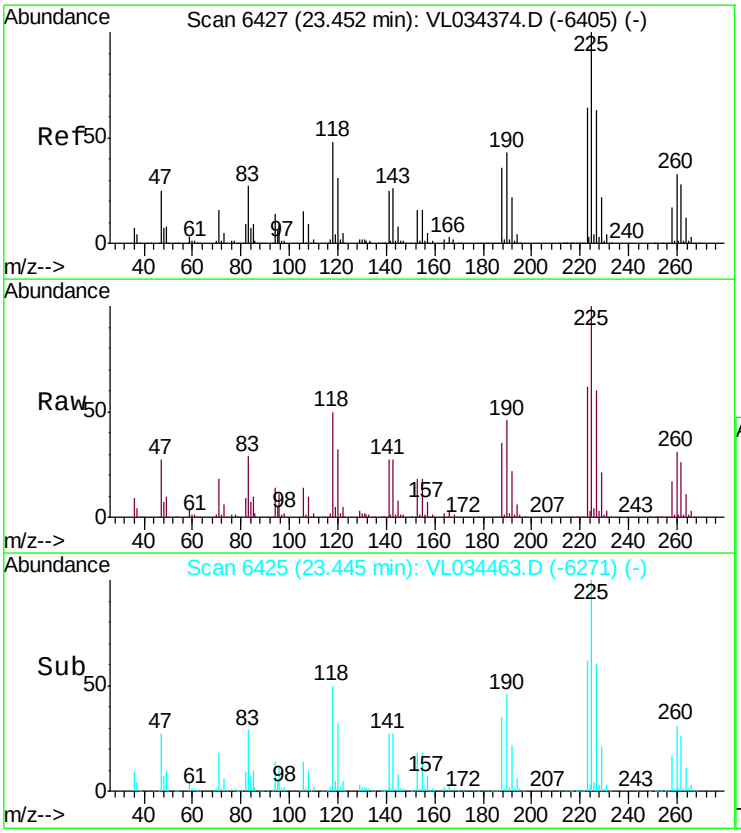
#77
1,2-Dichlorobenzene
Concen: 6.565 ppbv
RT: 17.88 min Scan# 4695
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1374778

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.0	75.0
148	64.5	32.7	98.1

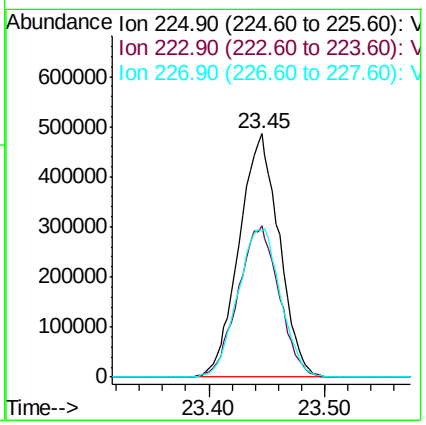


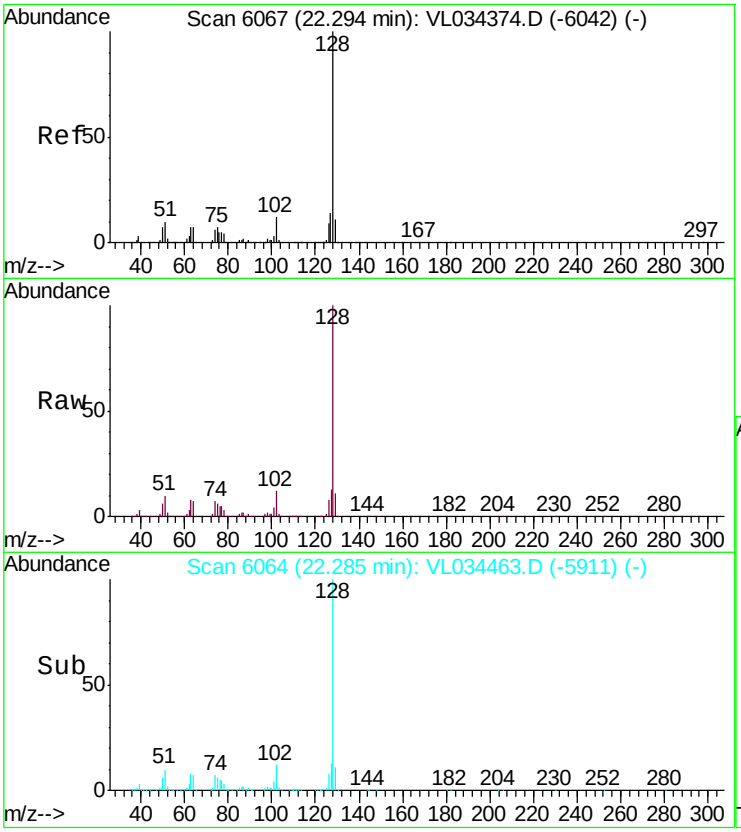


#78
Hexachloro-1,3-Butadiene
Concen: 6.504 ppbv
RT: 23.45 min Scan# 6425
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:225 Resp: 1170172

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.2
227	65.1	51.5	77.3



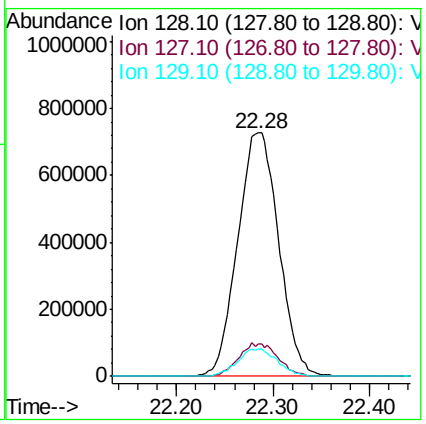


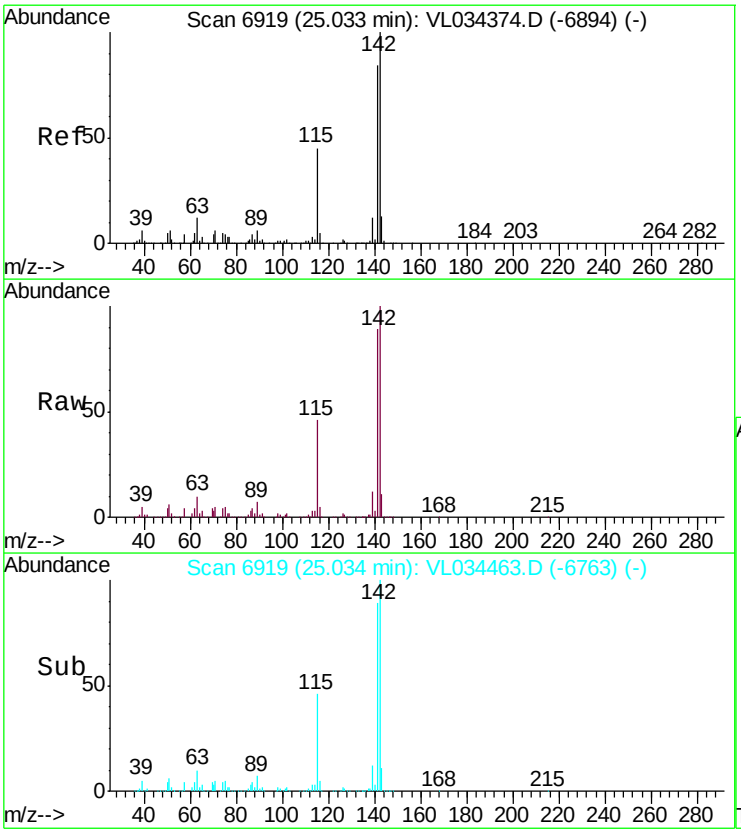
#79
Naphthalene
Concen: 6.555 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2143235

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	11.0	8.9	13.3

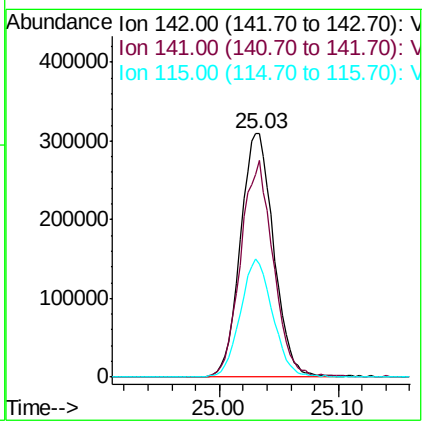


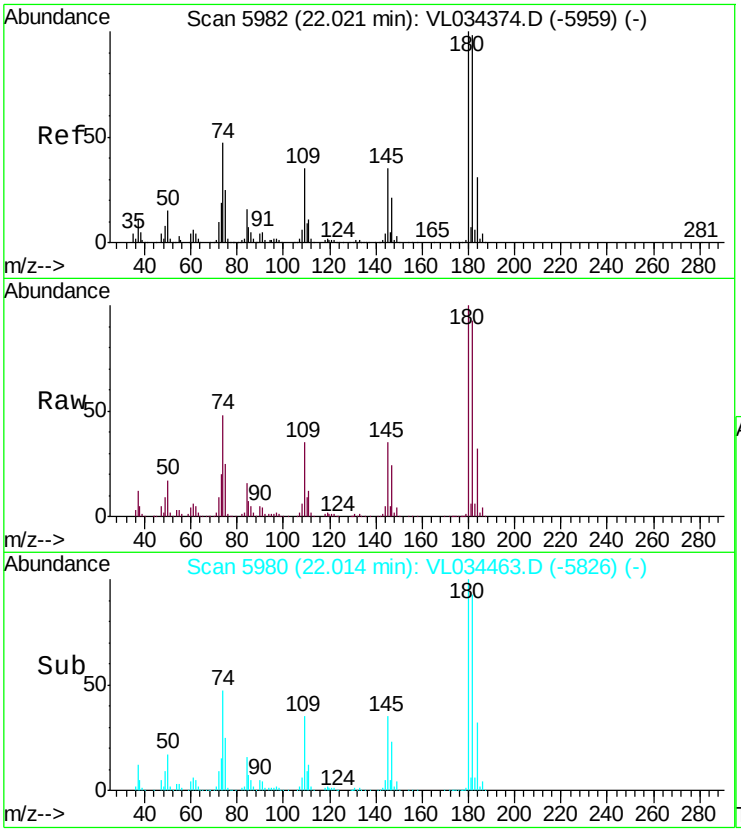


#80
Naphthalene,2-methyl-
Concen: 4.051 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:142 Resp: 598139

Ion	Ratio	Lower	Upper
142	100		
141	87.4	67.1	100.7
115	47.6	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 6.008 ppbv
RT: 22.01 min Scan# 5980
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1206857

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	30.9	24.9	37.3