Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034914.D
Acq On : 17 Mar 2020 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 18 06:58:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1010492	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2231033	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2413472	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1858536	9.87	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	1029171	7.438	ppbv		98
3) Chlorodifluoromethane	2.94	51	1110482	9.838	ppbv		100
4) Chloromethane	3.10	50	643775	10.091	ppbv		97
5) Vinyl Chloride	3.21	62	613701	10.006	ppbv		92
6) Bromomethane	3.43	94	353047	9.888	ppbv		94
7) Chloroethane	3.52	64	226457	10.224	ppbv		100
8) Dichlorotetrafluoroethane	3.15	85	1353012	9.415	ppbv		97
9) Propene	2.96	41	520095	9.650	ppbv		100
10) Heptane	8.13	43	1353224	10.202	ppbv		99
11) Trichlorofluoromethane	3.92	101	1362036	9.252	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965112	9.367	ppbv		97
13) Ethanol	3.57	45	127839	7.802	ppbv		96
14) Bromoethene	3.70	108	432449	9.719	ppbv		99
15) Acetone	3.82	43	1124010	8.582	ppbv		100
16) 1,3-Butadiene	3.29	39	580726	9.805	ppbv		100
17) tert-Butyl alcohol	4.26	59	1009452	8.000	ppbv		99
18) 1,1-Dichloroethene	4.26	96	455709	9.988	ppbv		99
19) Isopropyl Alcohol	3.93	45	715404	8.650	ppbv	#	40
20) Methylene Chloride	4.32	84	395744	9.557	ppbv		98
21) Allyl Chloride	4.38	41	788862	9.378	ppbv		99
22) trans-1,2-Dichloroethene	4.86	96	446564	9.647	ppbv		97
23) Vinyl Acetate	5.05	43	1873345	9.683	ppbv		98
24) 1,1-Dichloroethane	4.99	63	1254398	9.672	ppbv		99
25) Ethyl Acetate	5.66	43	2256420	9.670	ppbv		99
26) Hexane	5.67	57	994421	9.897	ppbv		99
27) Carbon Disulfide	4.52	76	1132060	9.929	ppbv		99
28) Methyl tert-Butyl Ether	5.01	73	1534013	9.176	ppbv		98
29) Chloroform	5.74	83	1490778	9.724	ppbv		97
30) Cyclohexane	7.13	84	832193	9.927	ppbv		99
31) cis-1,2-Dichloroethene	5.53	61	1026349	9.989	ppbv		98
32) 1,1,1-Trichloroethane	6.51	97	1431938	9.586	ppbv		98
34) 2-Butanone	5.22	43	1501776	10.129	ppbv		98
35) Carbon Tetrachloride	7.02	117	1478780	10.657	ppbv		97
36) Benzene	6.89	78	2006988	10.092	ppbv		99
37) 1,2-Dichloroethane	6.30	62	1171477	10.447	ppbv		99
38) Trichloroethene	7.84	130	749427	9.923	ppbv		96
39) 1,2-Dichloropropane	7.62	63	774749	9.833	ppbv		99
40) 1,4-Dioxane	7.83	88	266256	8.948	ppbv	#	93
41) Tetrahydrofuran	6.04	42	861814	10.742	ppbv		99
42) Bromodichloromethane	7.80	83	1589708	10.402	ppbv		98
43) Methyl Methacrylate	8.02	69	901637	10.762	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034914.D
Acq On : 17 Mar 2020 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 18 06:58:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3418869	10.174	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	1020793	10.371	ppbv		99
46) cis-1,3-Dichloropropene	8.71	75	1196289	10.228	ppbv		96
47) 1,1,2-Trichloroethane	9.49	97	821466	10.159	ppbv		96
48) Dibromochloromethane	10.32	129	1329989	10.157	ppbv		99
49) Bromoform	13.07	173	1176043	10.073	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	2224493	10.423	ppbv		100
51) 2-Hexanone	10.15	43	1830290	10.552	ppbv	#	100
52) Tetrachloroethene	11.24	164	712693	9.059	ppbv		98
53) Toluene	9.82	91	2333004	10.159	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1247197	10.247	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.15	131	996501	9.192	ppbv		99
57) Chlorobenzene	12.17	112	1726215	9.141	ppbv		96
58) Ethyl Benzene	12.74	91	3095516	9.471	ppbv		98
59) m/p-Xylene	13.02	91	2834033	10.350	ppbv	#	46
60) o-Xylene	13.72	91	2498665	9.346	ppbv		99
61) Styrene	13.56	104	1849643	9.858	ppbv		98
62) Isopropylbenzene	14.69	105	3732209	9.232	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1784333	9.831	ppbv		100
64) n-propylbenzene	15.59	120	978755	9.302	ppbv		92
65) tert-Butylbenzene	16.78	119	1667862	4.720	ppbv	#	19
66) Benzyl Chloride	17.02	91	1270391	8.621	ppbv		96
67) sec-Butylbenzene	17.33	105	4626021	9.440	ppbv		99
69) p-Isopropyltoluene	17.69	119	3887524	9.461	ppbv		99
70) n-Butylbenzene	18.59	91	4123926	9.837	ppbv		99
71) 2-Chlorotoluene	15.48	91	2906045	9.492	ppbv		98
72) 4-Ethyltoluene	15.87	105	3027853	9.590	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	2842877	9.618	ppbv		96
74) 1,2,4-Trimethylbenzene	16.80	105	2930132	9.623	ppbv		99
75) 1,3-Dichlorobenzene	17.03	146	1688138	9.194	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1697086	9.262	ppbv		100
77) 1,2-Dichlorobenzene	17.86	146	1655212	9.300	ppbv		98
78) Hexachloro-1,3-Butadiene	23.42	225	1407083	9.466	ppbv		99
79) Naphthalene	22.25	128	2854989	12.022	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	1264007	20.368	ppbv		98
81) 1,2,4-Trichlorobenzene	21.98	180	1645528	10.907	ppbv		100

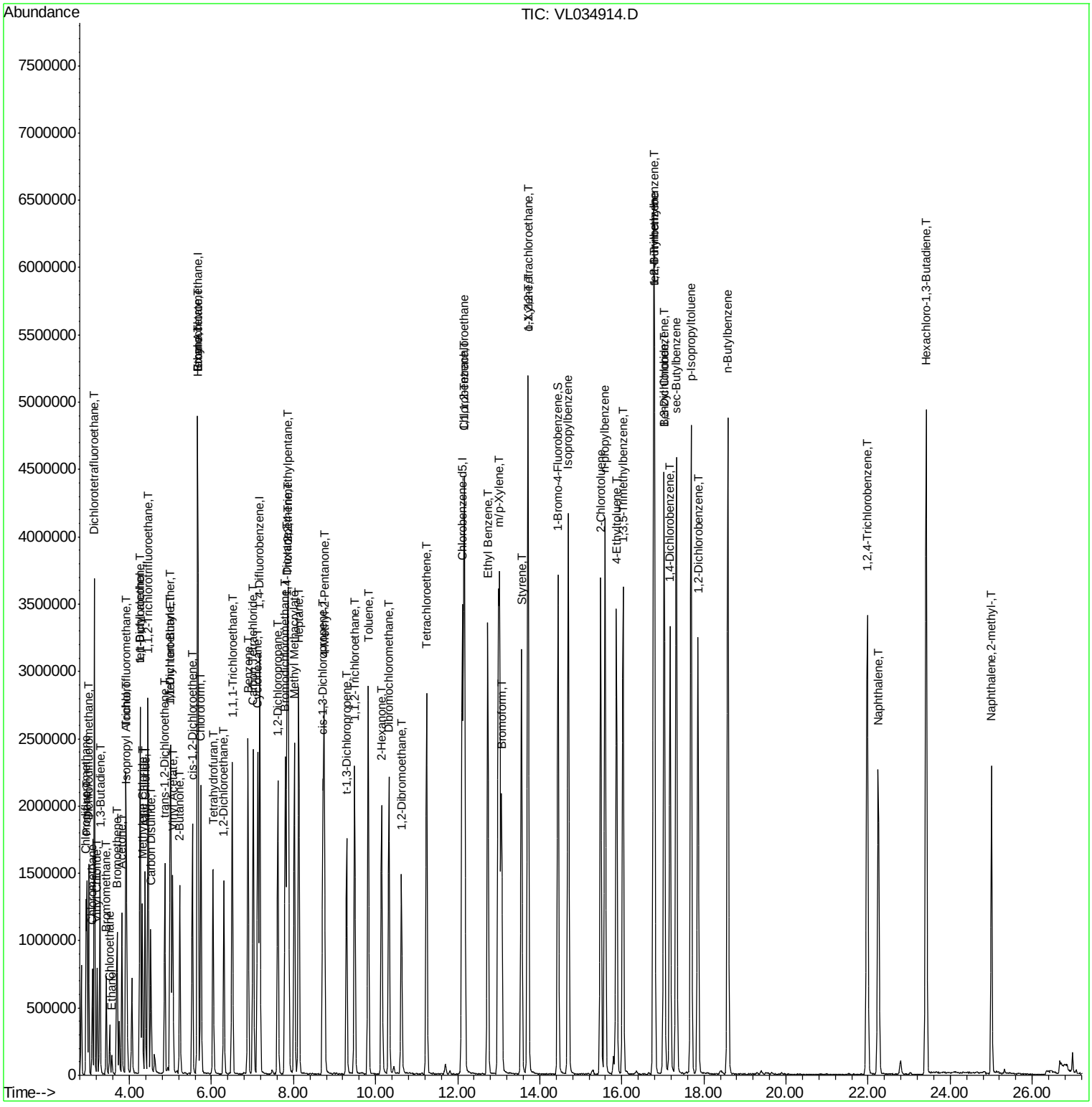
(#) = qualifier out of range (m) = manual integration (+) = signals summed

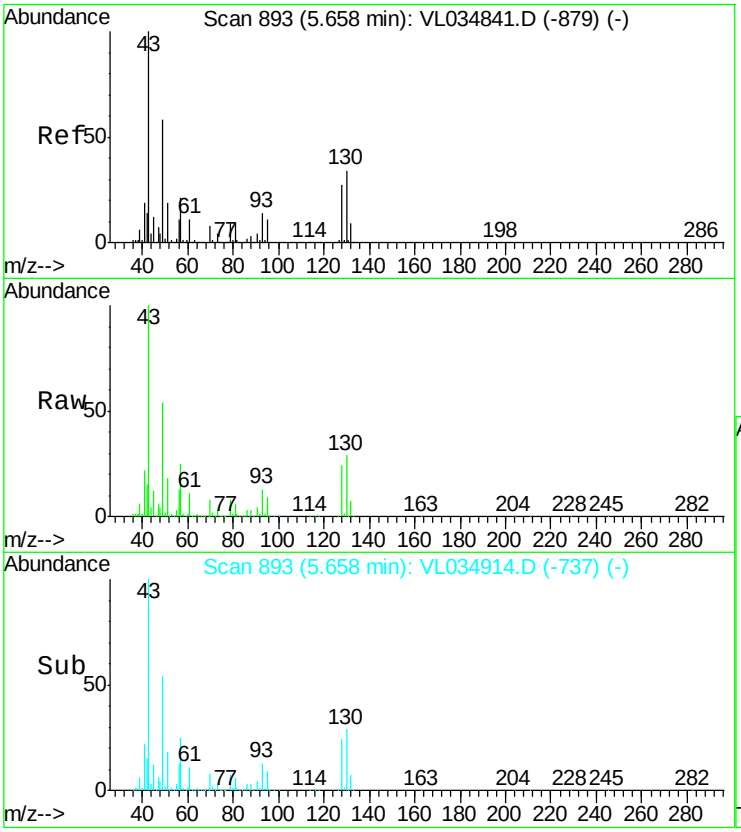
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034914.D
Acq On : 17 Mar 2020 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 18 06:58:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



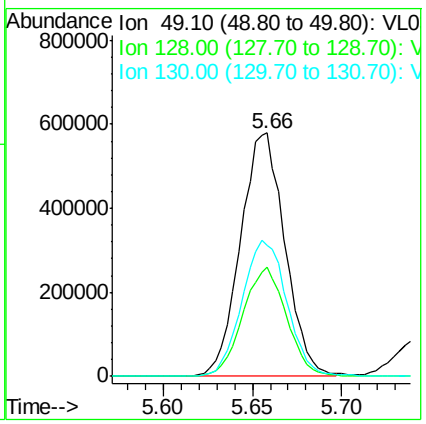


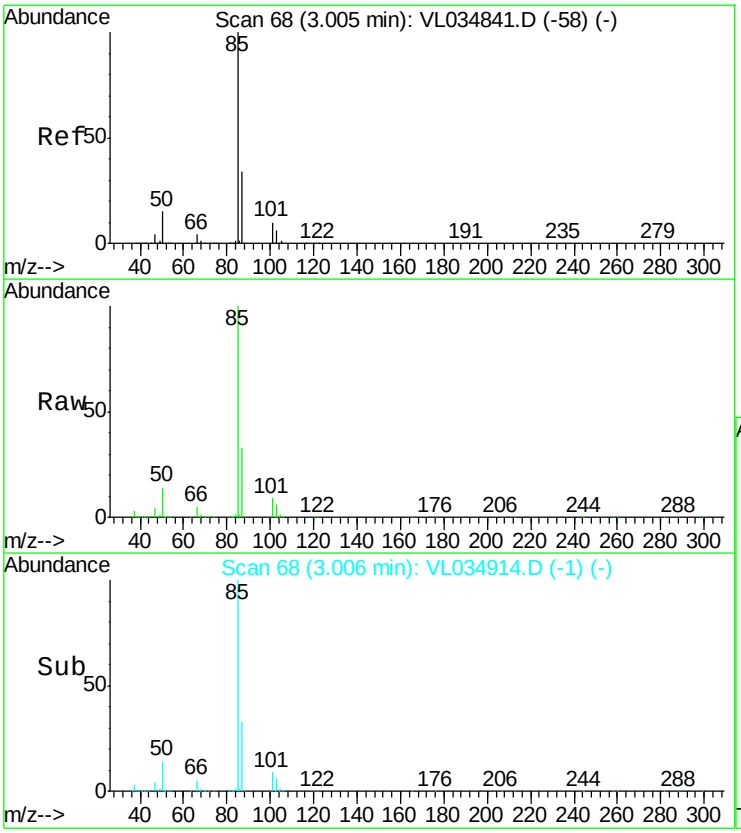
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1010492

Ion	Ratio	Lower	Upper
49	100		
128	44.3	23.4	70.3
130	56.8	30.0	90.0

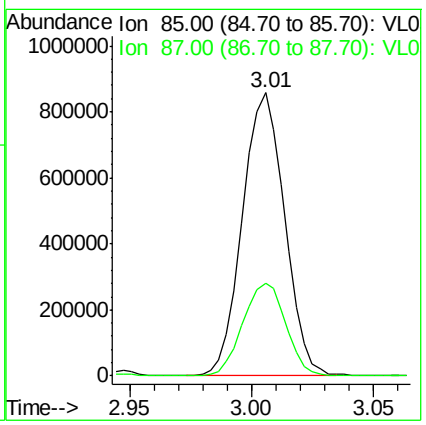


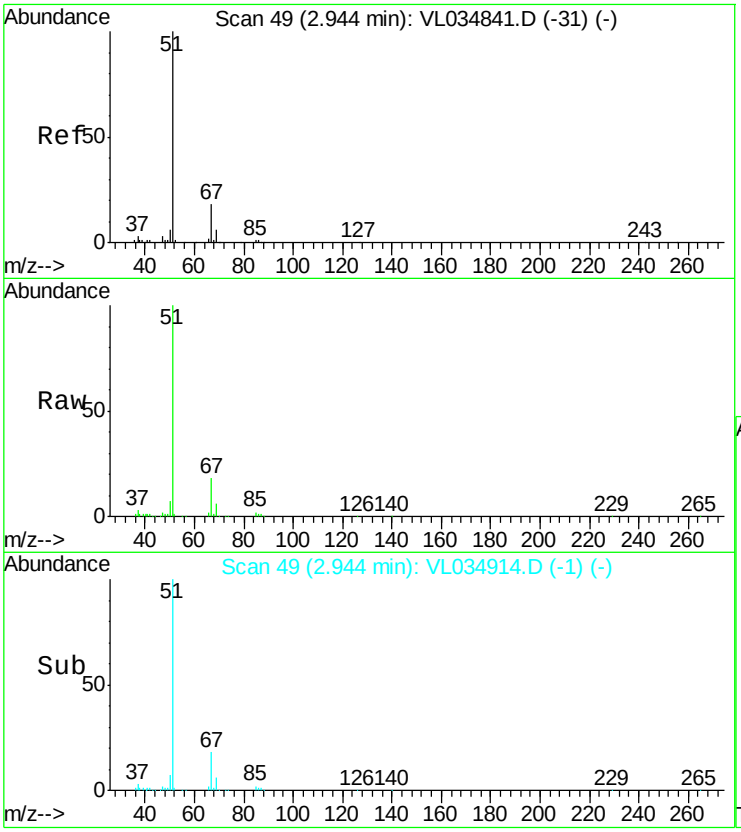


#2
Dichlorodifluoromethane
Concen: 7.438 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 85 Resp: 1029171

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.9	40.3



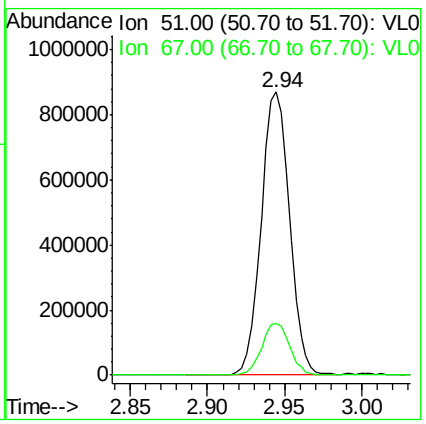


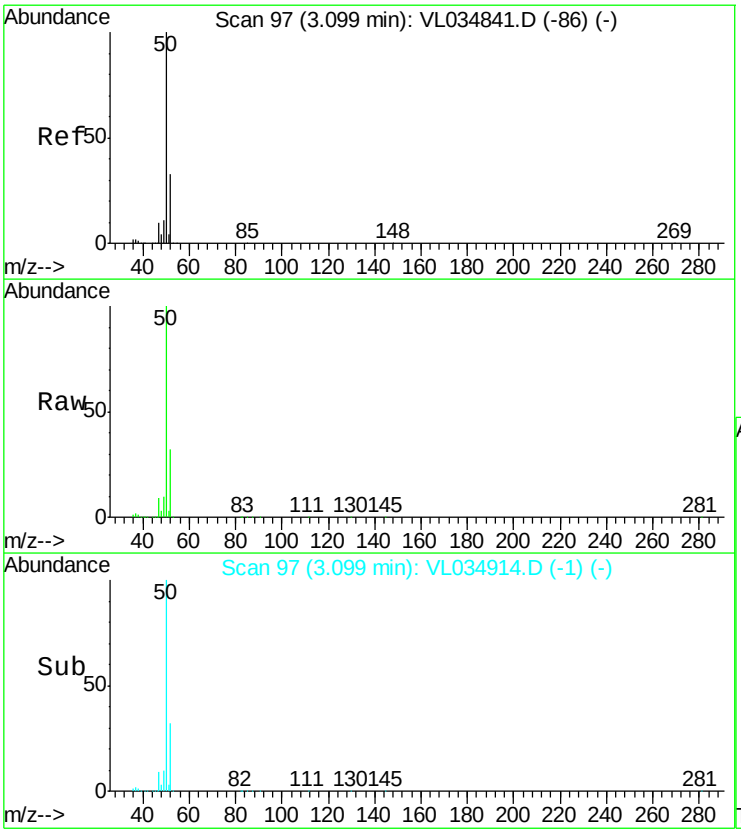
#3
Chlorodifluoromethane
Concen: 9.838 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1110482

Ion	Ratio	Lower	Upper
51	100		
67	18.1	14.3	21.5

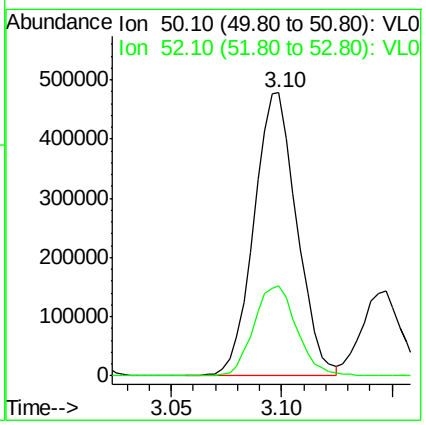


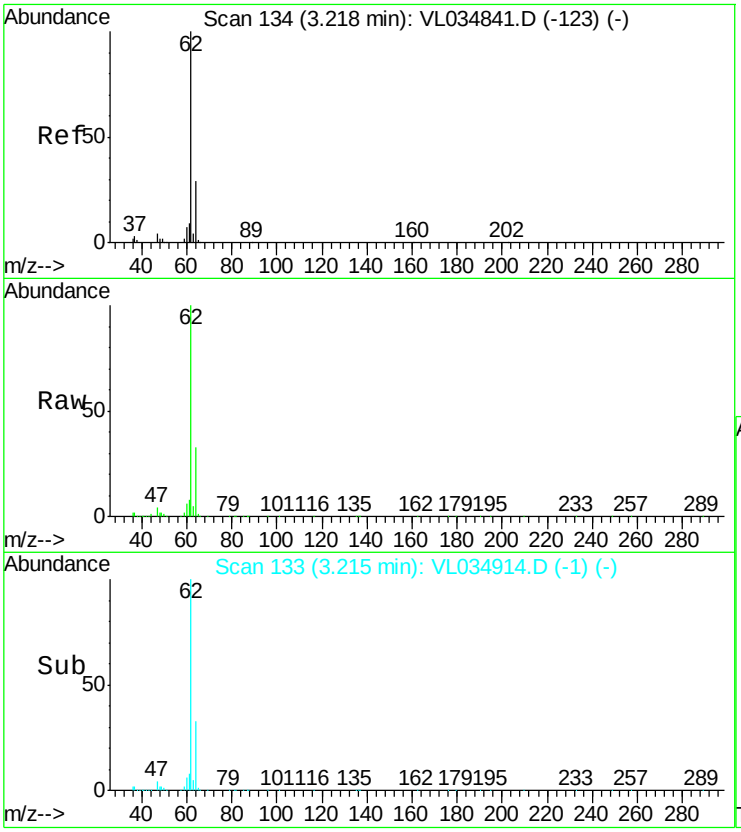


#4
Chloromethane
Concen: 10.091 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 50 Resp: 643775

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



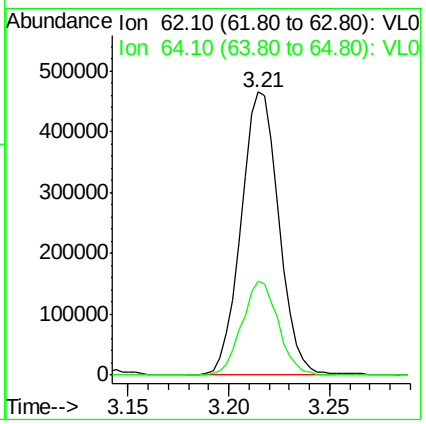


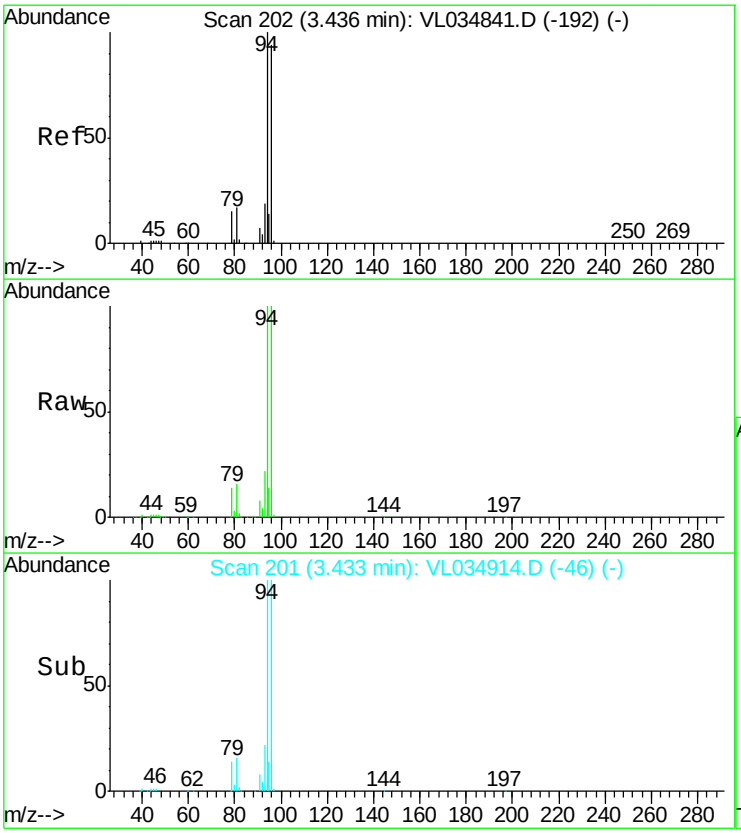
#5
Vinyl Chloride
Concen: 10.006 ppbv
RT: 3.21 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 613701

Ion	Ratio	Lower	Upper
62	100		
64	33.0	23.0	34.4

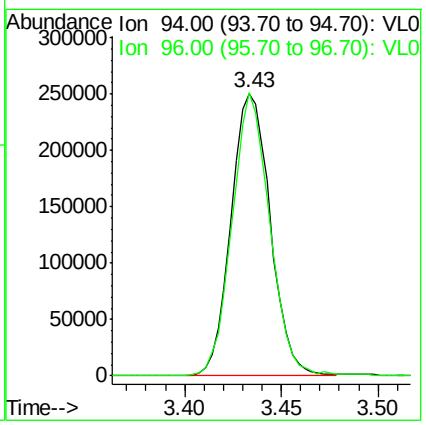


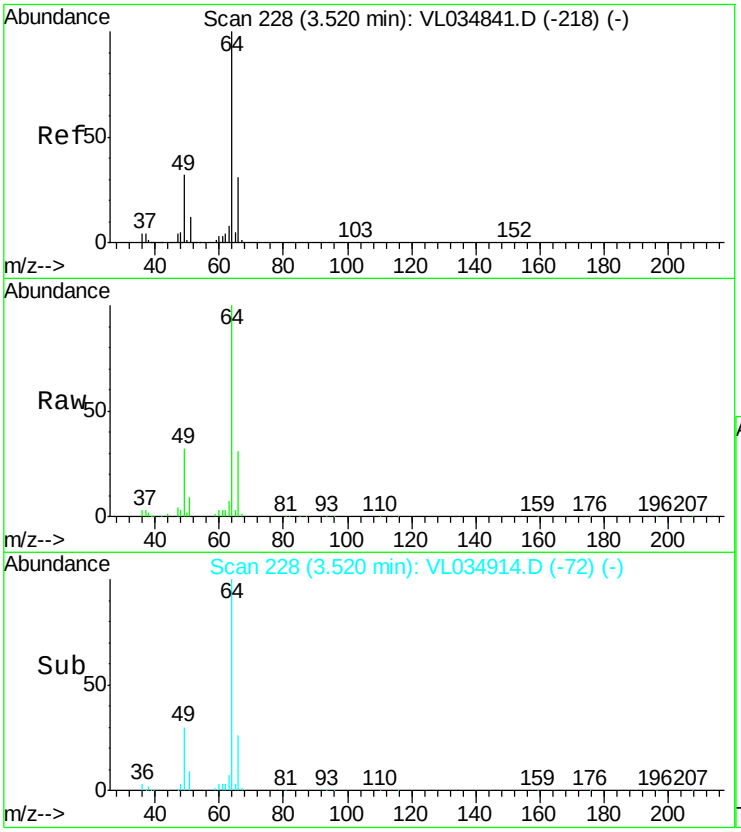


#6
Bromomethane
Concen: 9.888 ppbv
RT: 3.43 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 94 Resp: 353047

Ion	Ratio	Lower	Upper
94	100		
96	100.2	75.5	113.3



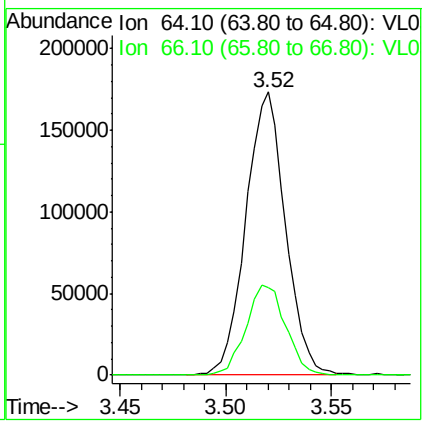


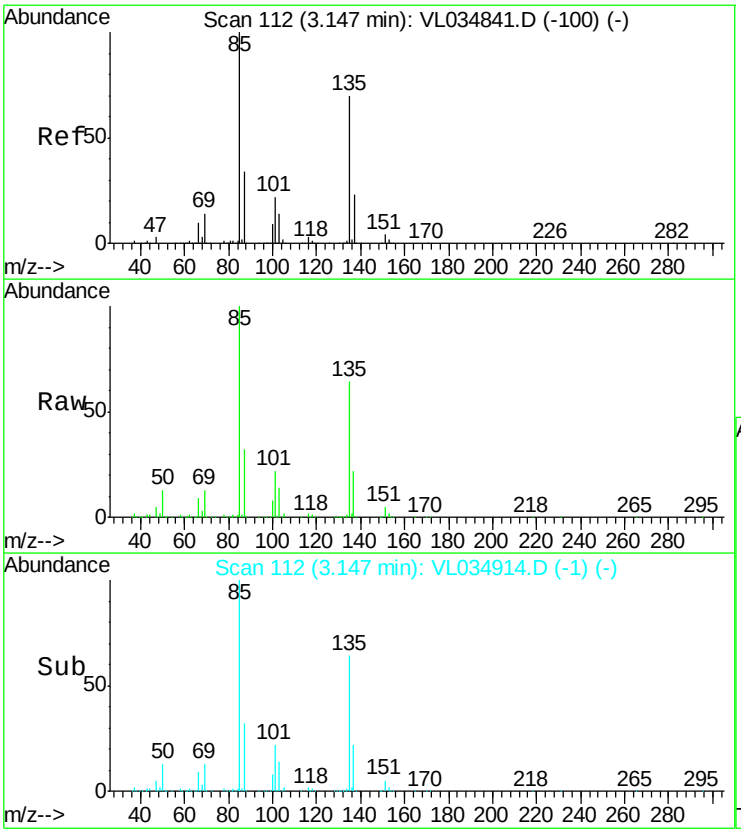
#7
Chloroethane
Concen: 10.224 ppbv
RT: 3.52 min Scan# 228
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 226457

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.8	37.2

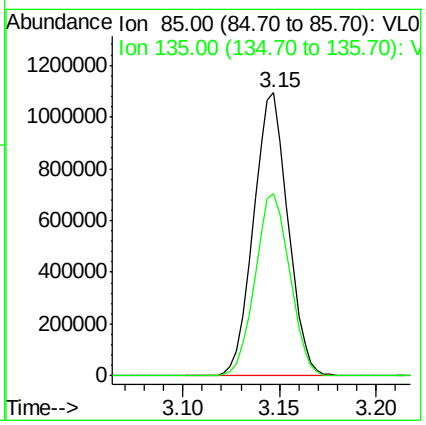


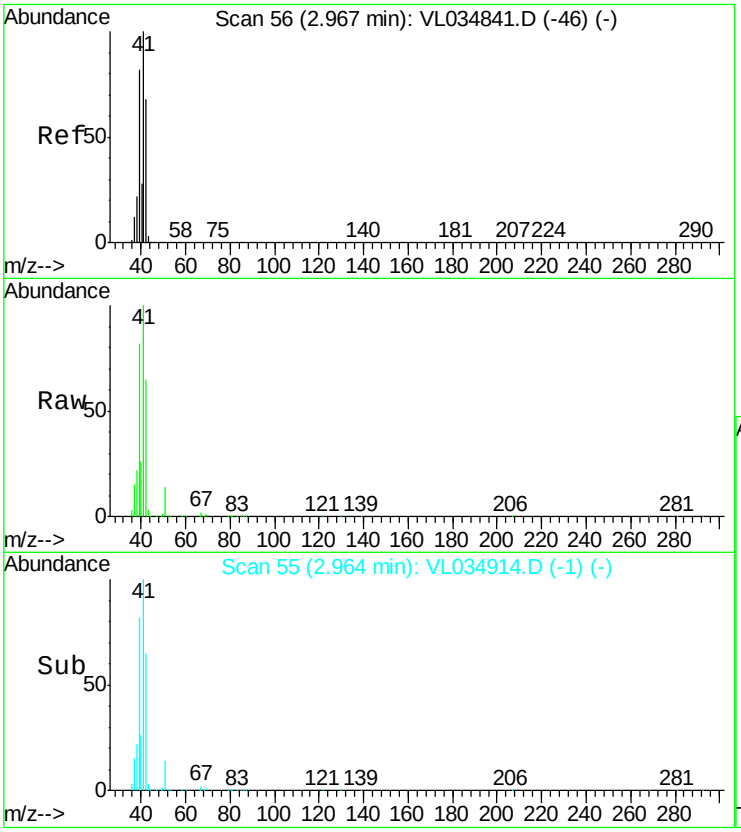


#8
Dichlorotetrafluoroethane
Concen: 9.415 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 85 Resp: 1353012

Ion	Ratio	Lower	Upper
85	100		
135	65.1	54.3	81.5



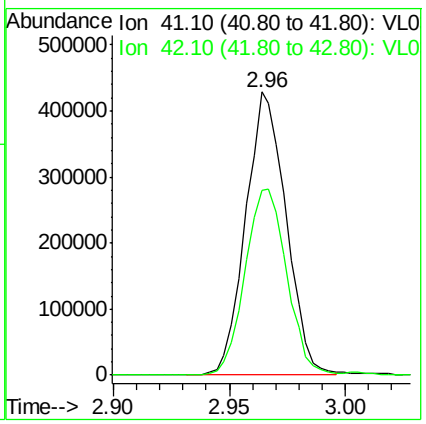


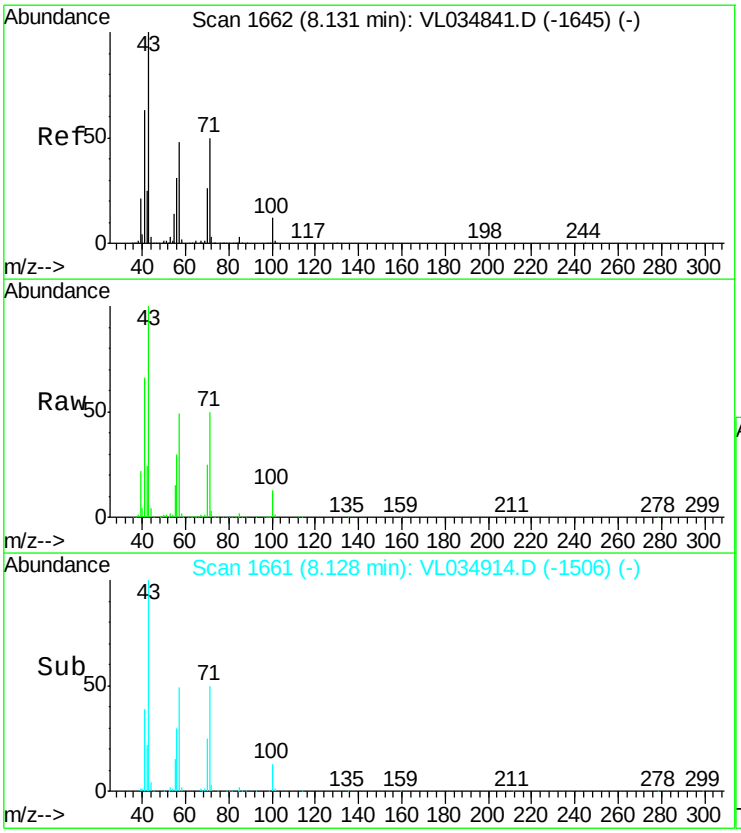
#9
Propene
Concen: 9.650 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 520095

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.2	82.8

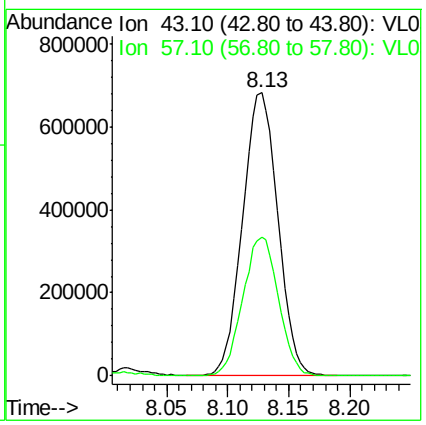


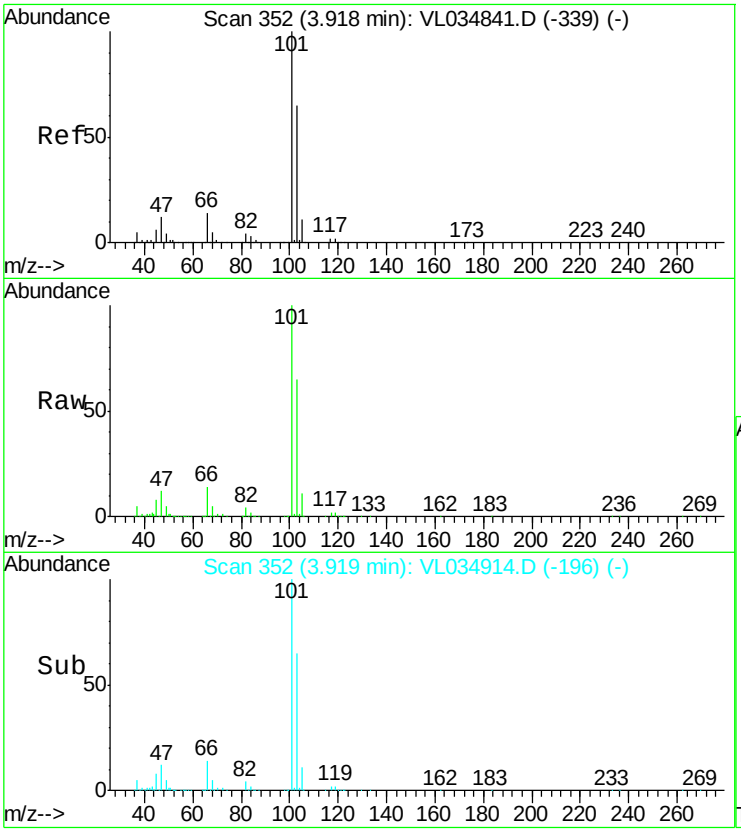


#10
Heptane
Concen: 10.202 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 43 Resp: 1353224

Ion	Ratio	Lower	Upper
43	100		
57	50.0	39.7	59.5



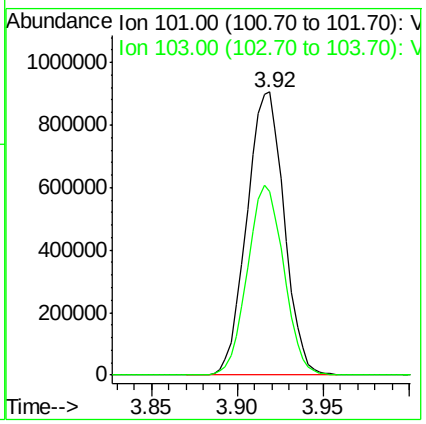


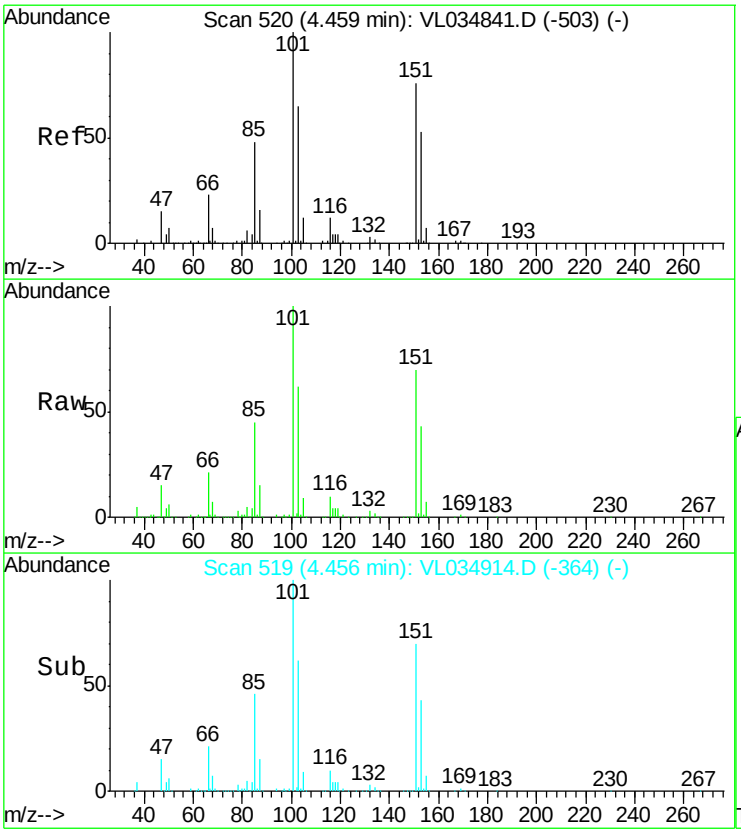
#11
Trichlorofluoromethane
Concen: 9.252 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1362036

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.8

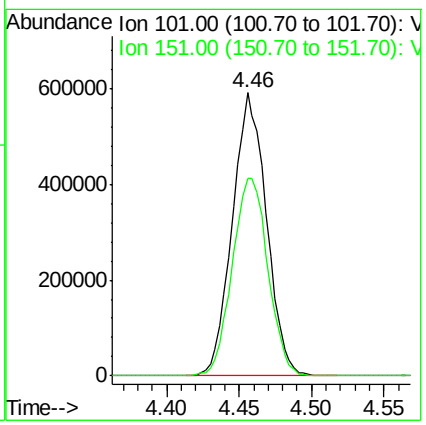


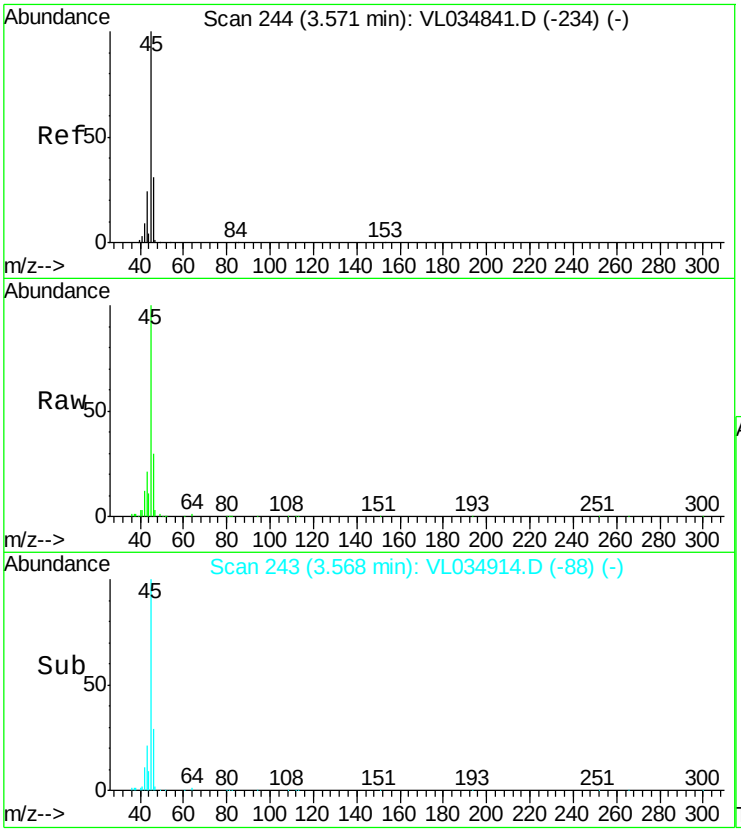


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.367 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:101 Resp: 965112

Ion	Ratio	Lower	Upper
101	100		
151	73.0	60.8	91.2



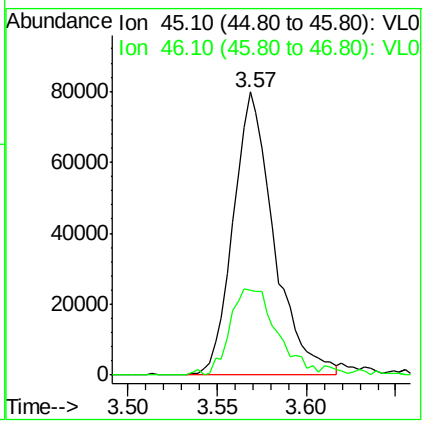


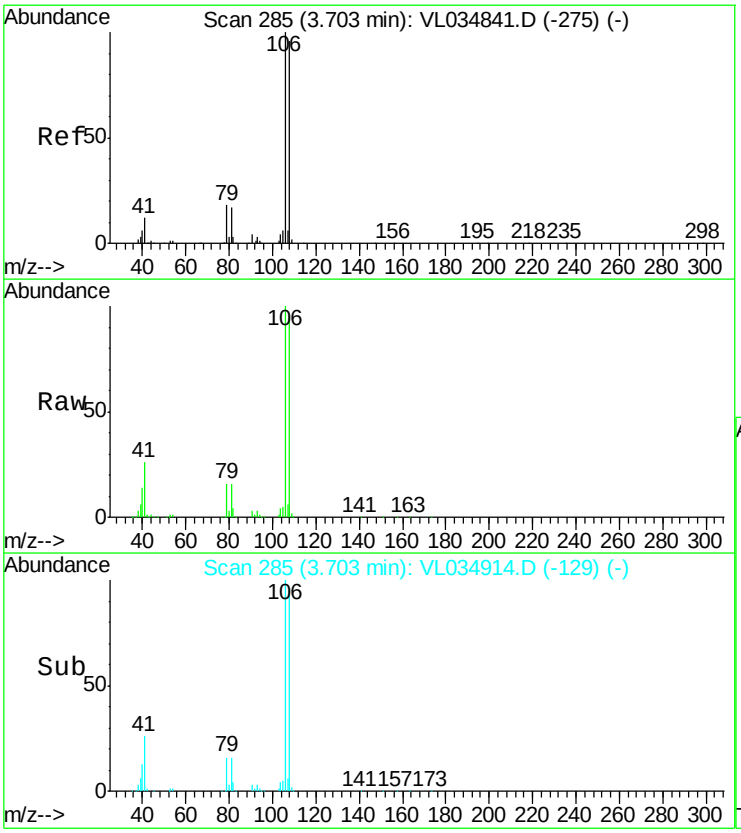
#13
Ethanol
Concen: 7.802 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 127839

Ion	Ratio	Lower	Upper
45	100		
46	37.2	16.0	64.0

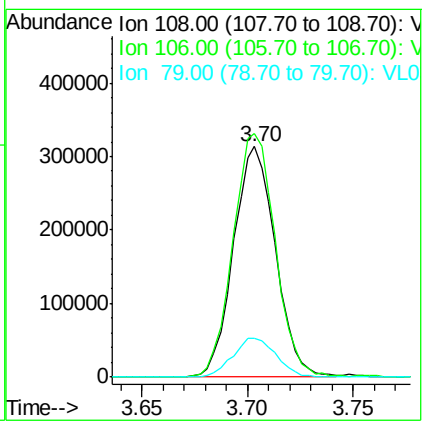


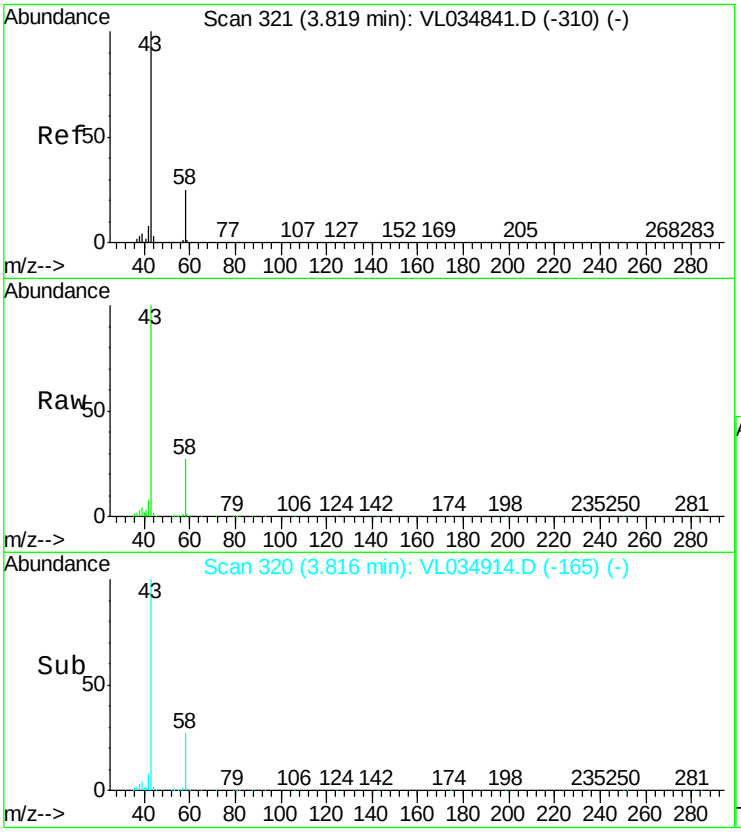


#14
Bromoethene
Concen: 9.719 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:108 Resp: 432449

Ion	Ratio	Lower	Upper
108	100		
106	107.3	85.1	127.7
79	17.7	14.7	22.1



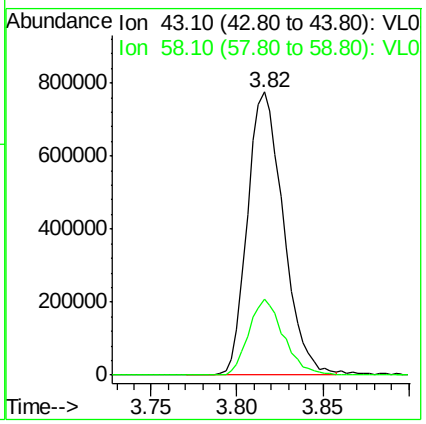


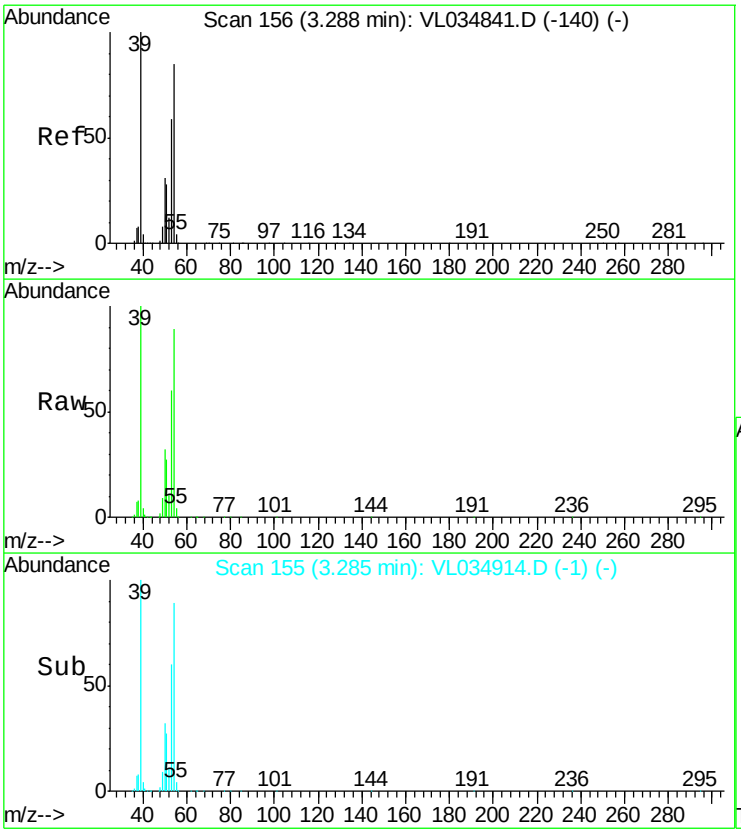
#15
Acetone
Concen: 8.582 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1124010

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.0	31.6

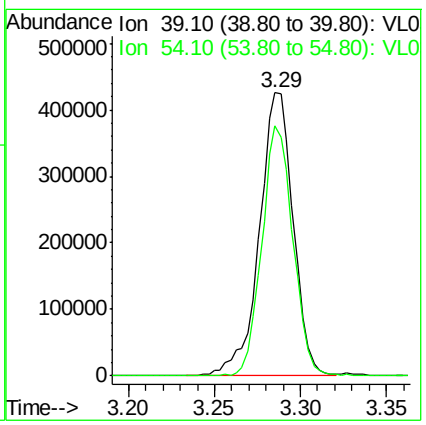


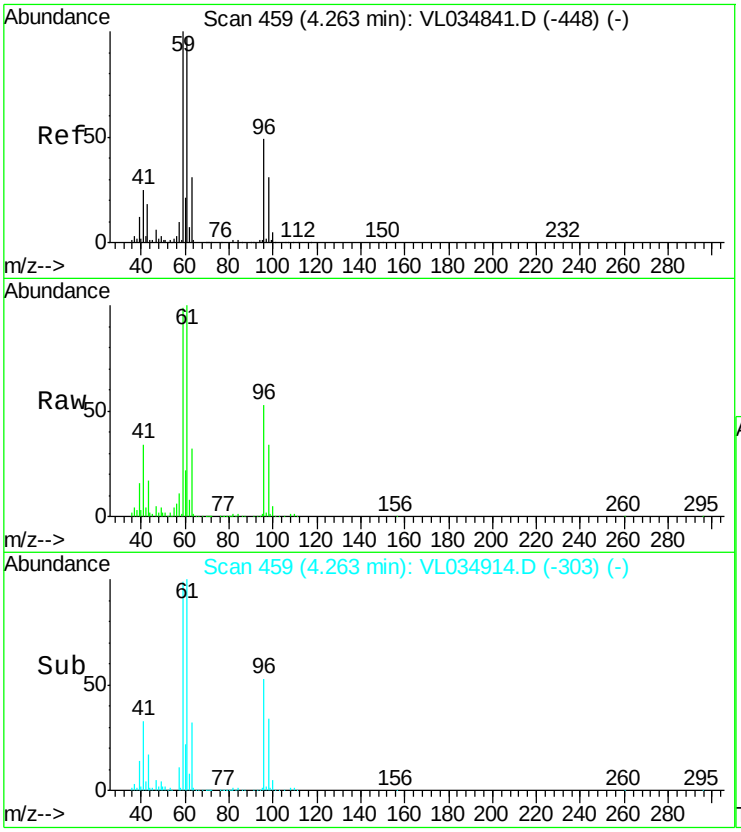


#16
1,3-Butadiene
Concen: 9.805 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 39 Resp: 580726

Ion	Ratio	Lower	Upper
39	100		
54	81.3	65.0	97.6



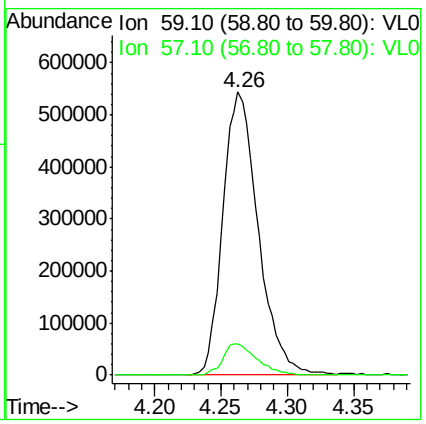


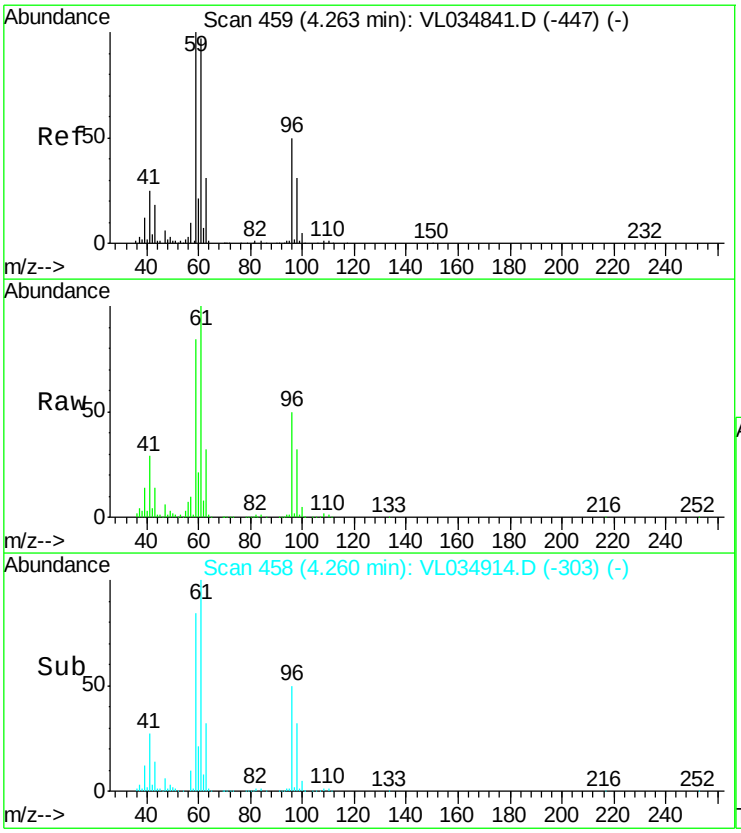
#17
tert-Butyl alcohol
Concen: 8.000 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1009452

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

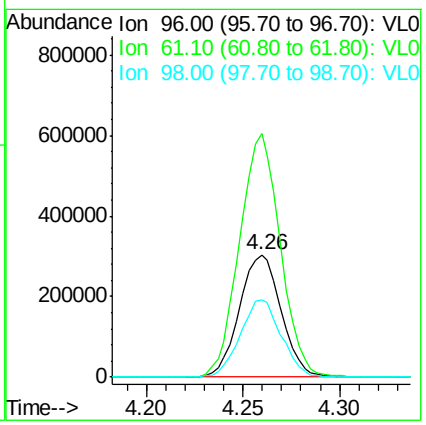


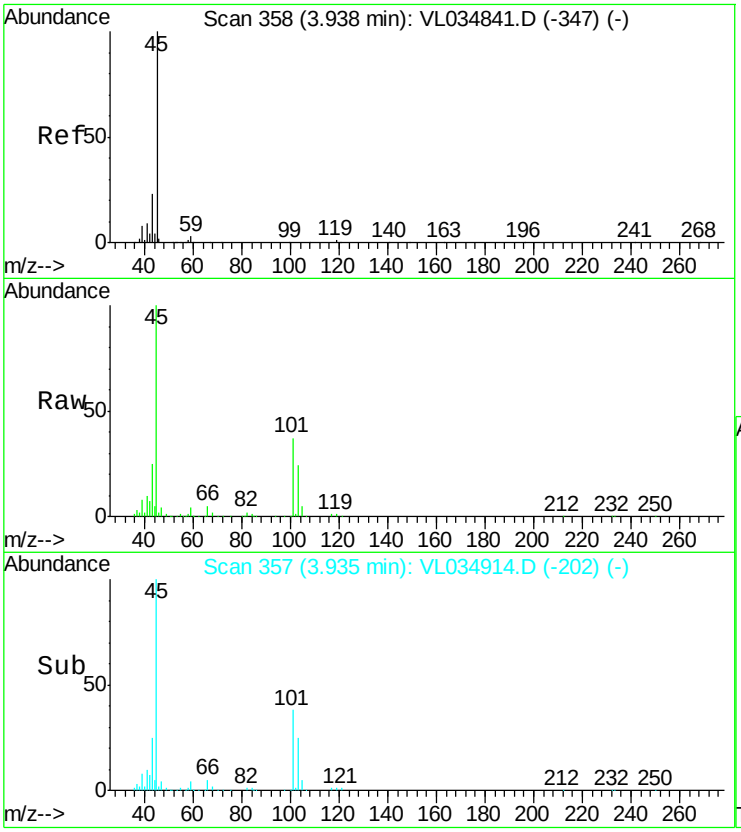


#18
1,1-Dichloroethene
Concen: 9.988 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 96 Resp: 455709

Ion	Ratio	Lower	Upper
96	100		
61	198.7	157.3	235.9
98	63.5	50.2	75.4



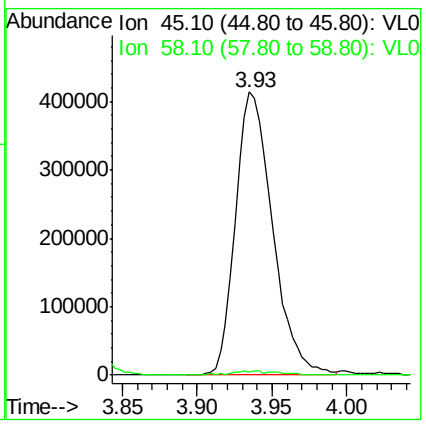


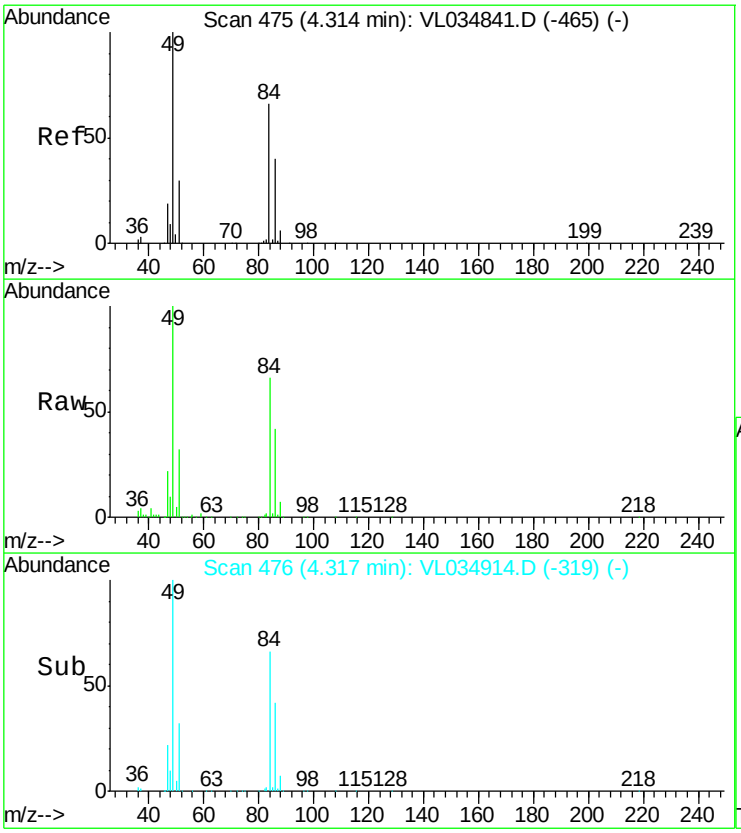
#19
Isopropyl Alcohol
Concen: 8.650 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 715404

Ion	Ratio	Lower	Upper
45	100		
58	2.2	30.5	45.7#

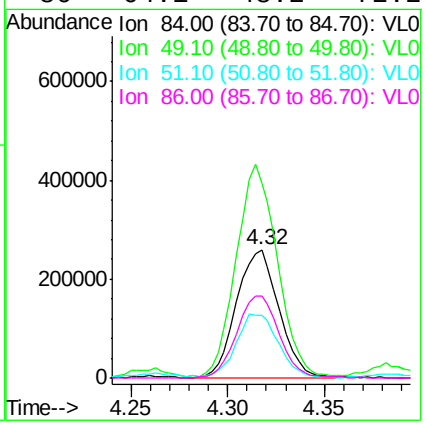


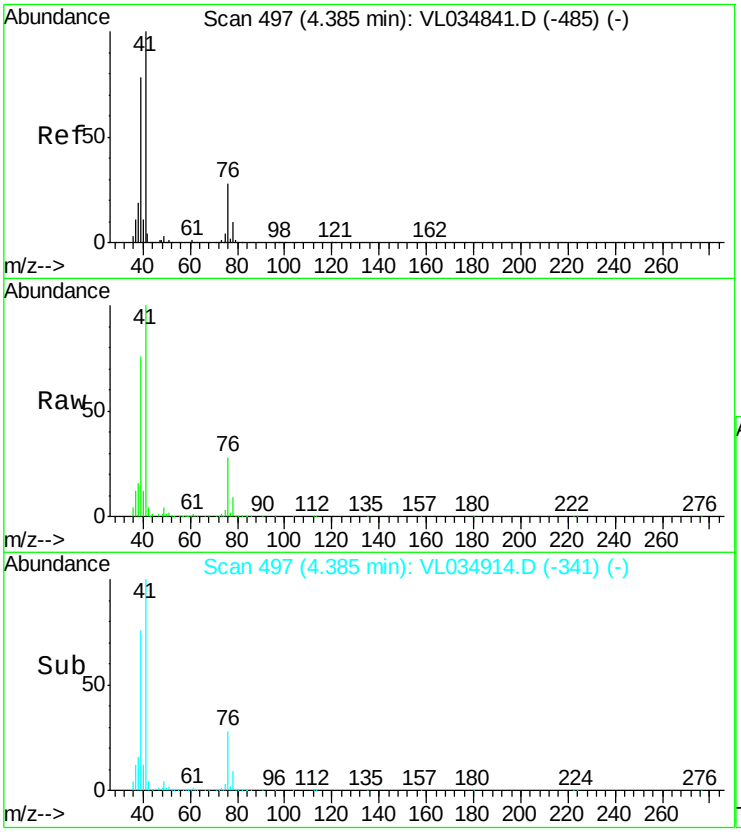


#20
Methylene Chloride
Concen: 9.557 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 84 Resp: 395744

Ion	Ratio	Lower	Upper
84	100		
49	151.0	121.5	182.3
51	48.8	36.6	55.0
86	64.1	48.2	72.2



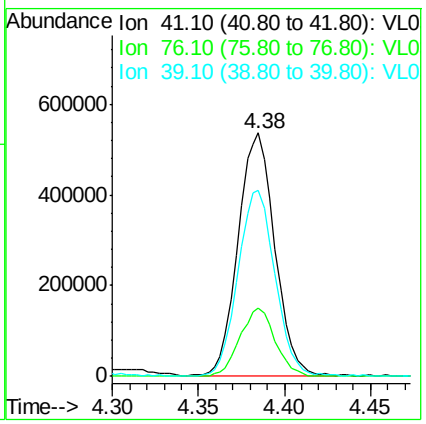


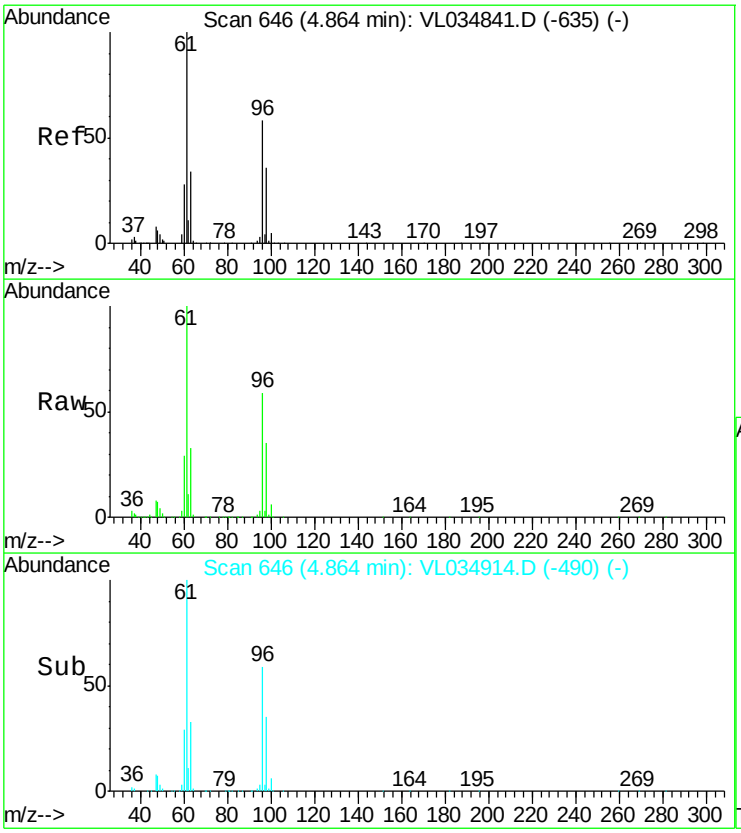
#21
Allyl Chloride
Concen: 9.378 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 788862

Ion	Ratio	Lower	Upper
41	100		
76	27.3	22.2	33.2
39	77.8	62.6	93.8

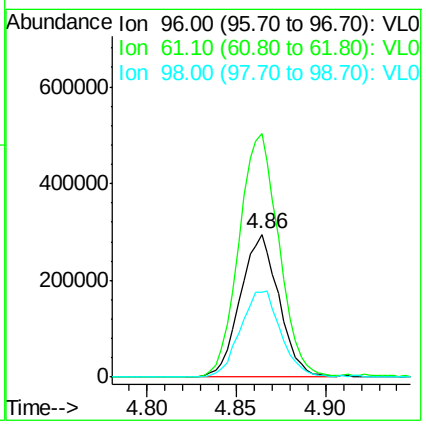


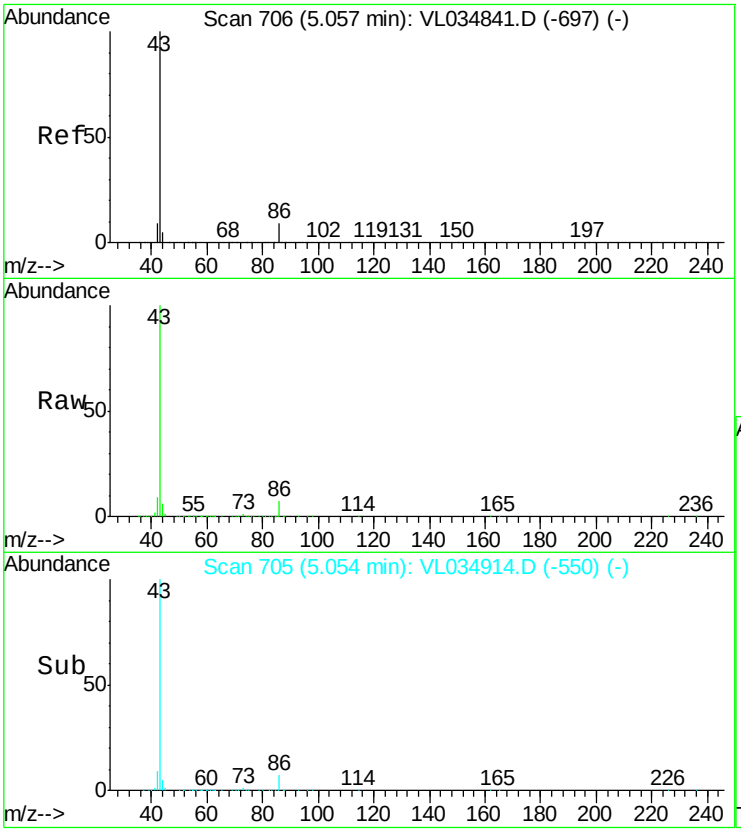


#22
trans-1,2-Dichloroethene
Concen: 9.647 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 96 Resp: 446564

Ion	Ratio	Lower	Upper
96	100		
61	170.0	139.0	208.6
98	58.9	50.3	75.5



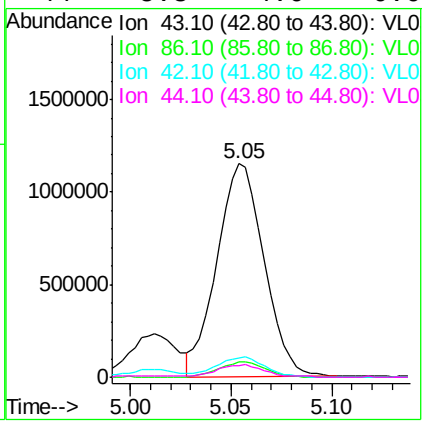


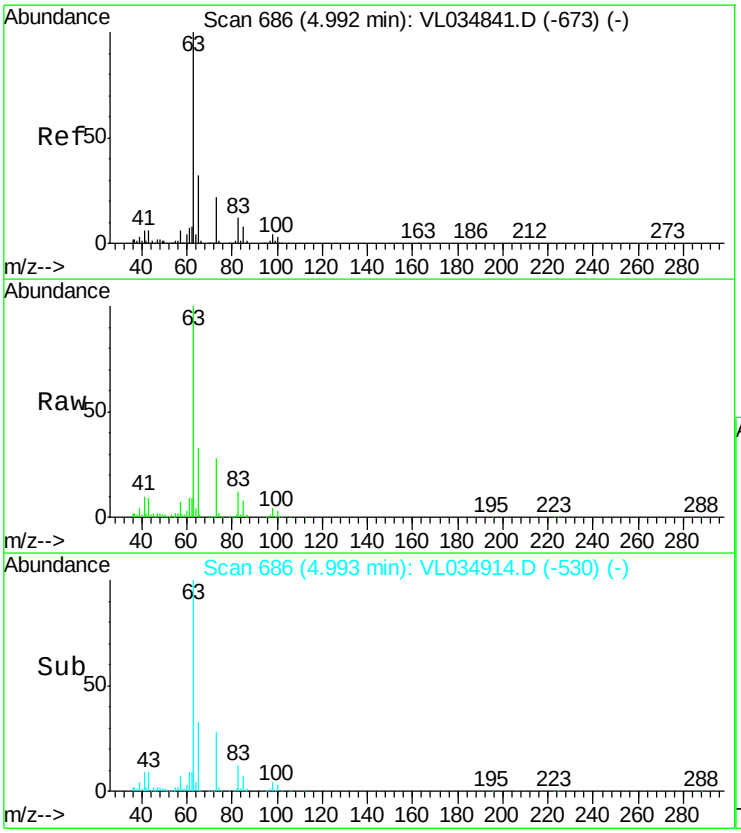
#23
Vinyl Acetate
Concen: 9.683 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1873345

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.3	9.5
42	9.0	7.8	11.8
44	5.3	4.0	6.0

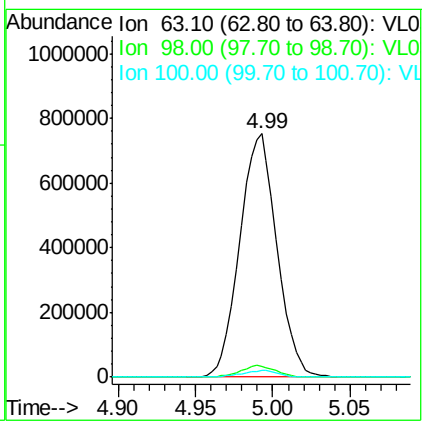


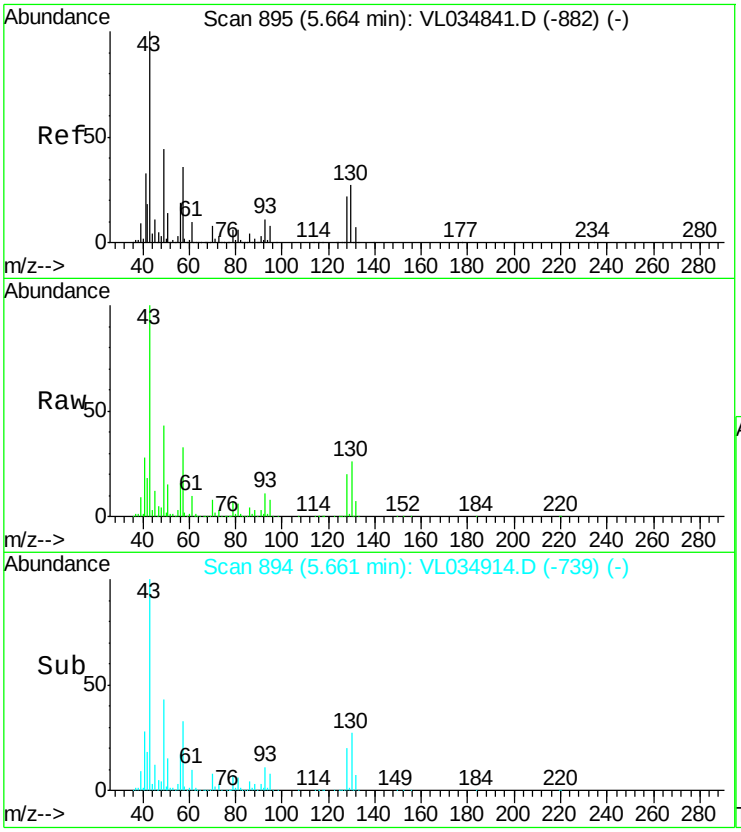


#24
1,1-Dichloroethane
Concen: 9.672 ppbv
RT: 4.99 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 63 Resp: 1254398

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	5.8
100	3.0	1.4	4.0



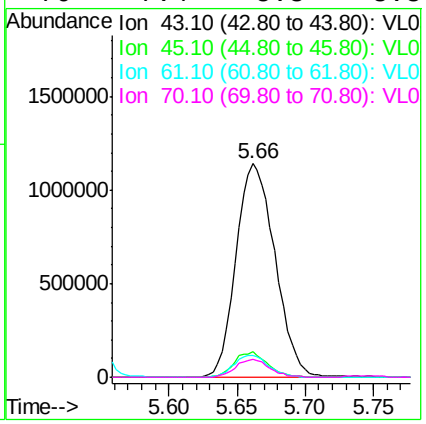


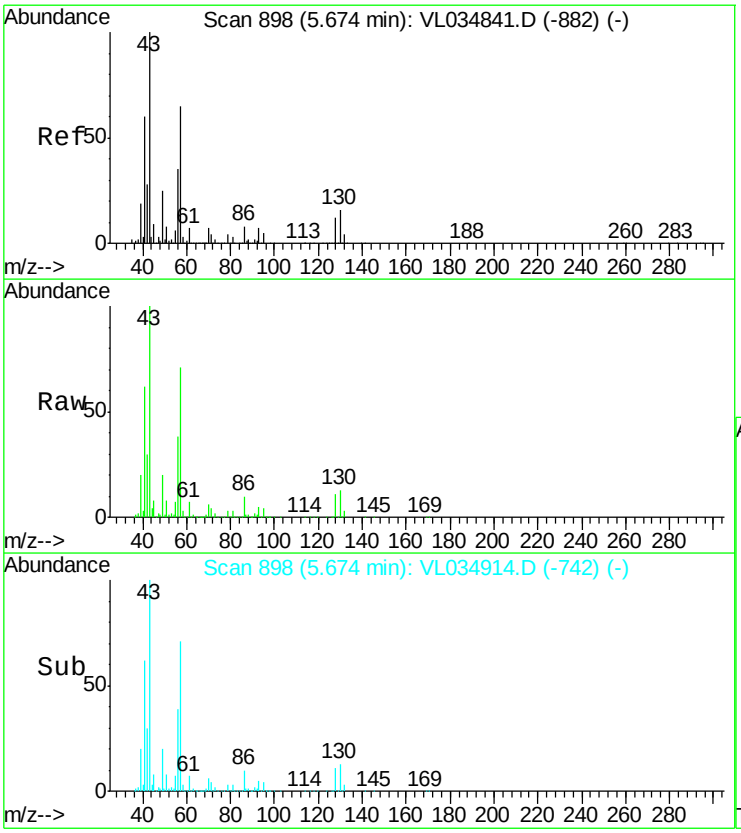
#25
Ethyl Acetate
Concen: 9.670 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2256420

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.3	7.8	11.6
70	7.4	5.8	8.8

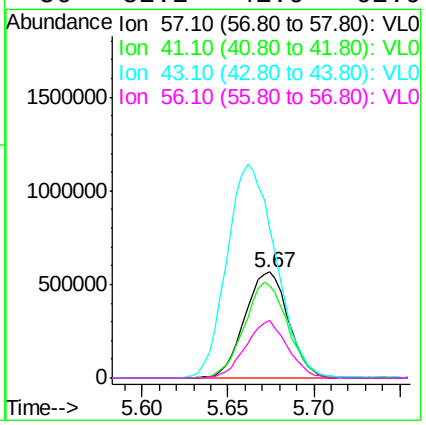


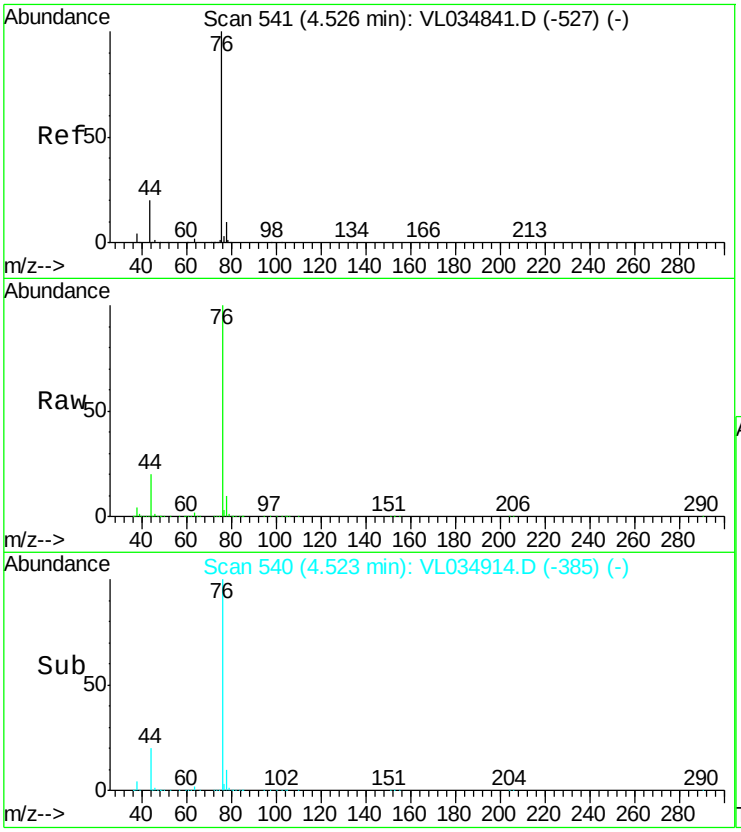


#26
Hexane
Concen: 9.897 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 57 Resp: 994421

Ion	Ratio	Lower	Upper
57	100		
41	90.4	72.6	109.0
43	228.4	183.8	275.6
56	52.2	41.9	62.9



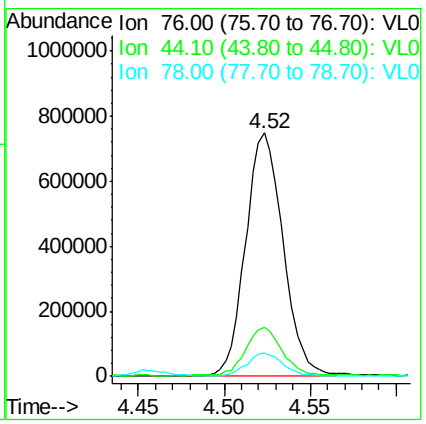


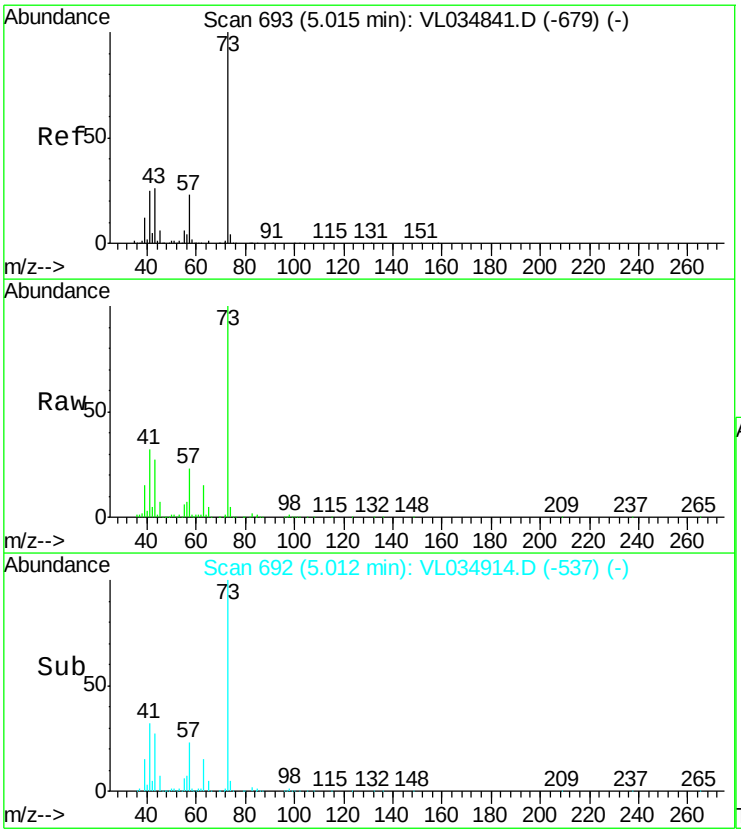
#27
Carbon Disulfide
Concen: 9.929 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1132060

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.2	24.2
78	9.3	7.8	11.6

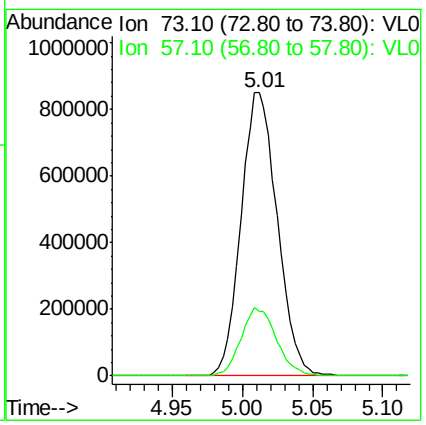


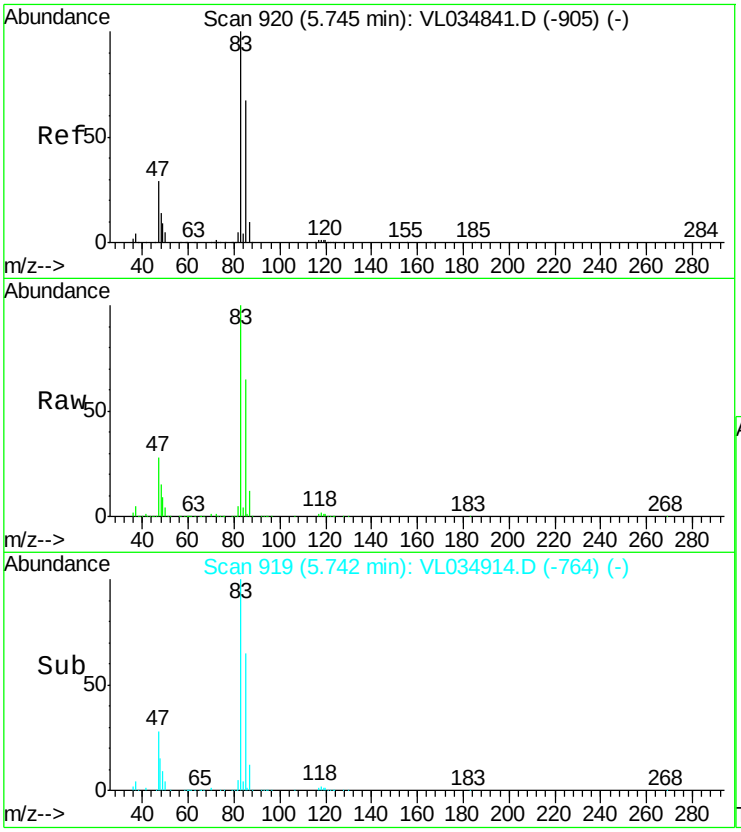


#28
Methyl tert-Butyl Ether
Concen: 9.176 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 73 Resp: 1534013

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.3	27.5



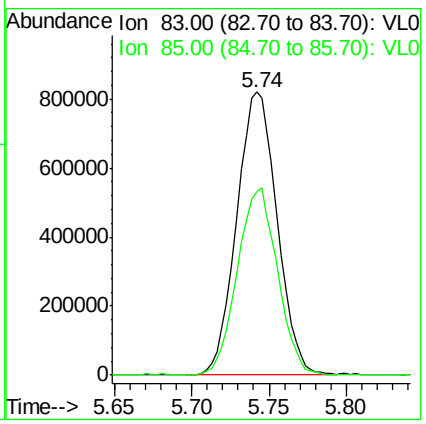


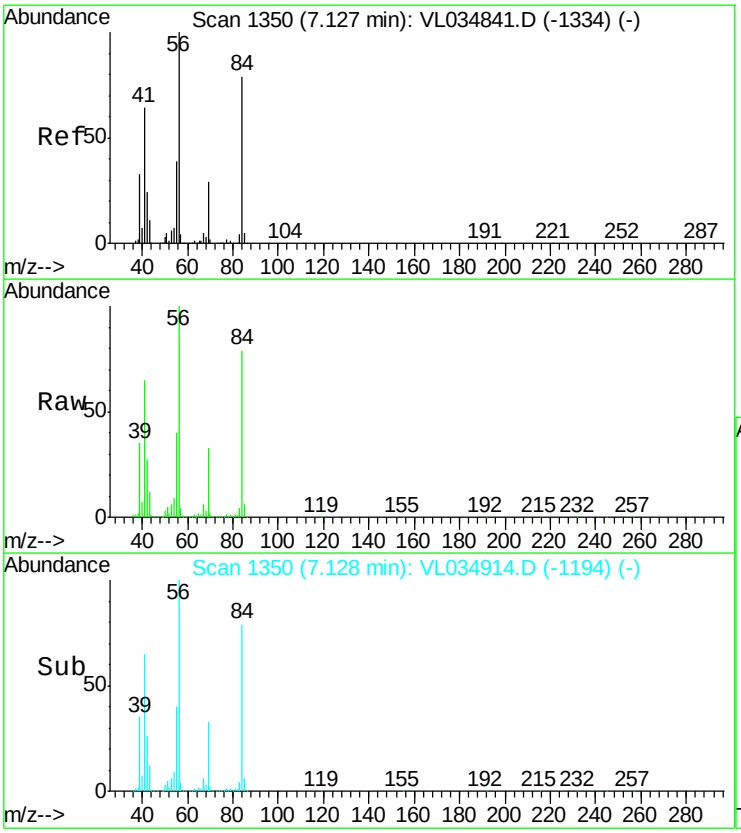
#29
Chloroform
Concen: 9.724 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1490778

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.6

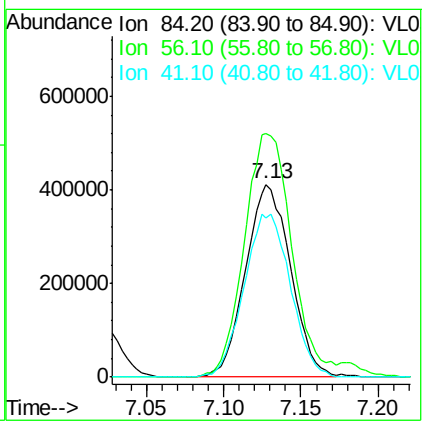


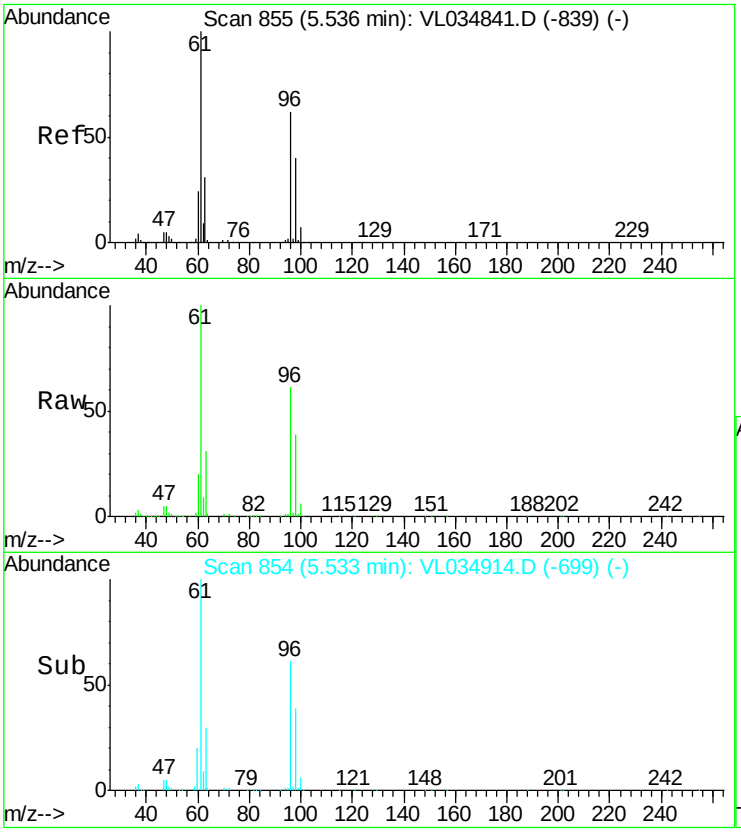


#30
Cyclohexane
Concen: 9.927 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 84 Resp: 832193

Ion	Ratio	Lower	Upper
84	100		
56	138.0	110.5	165.7
41	87.5	68.2	102.4



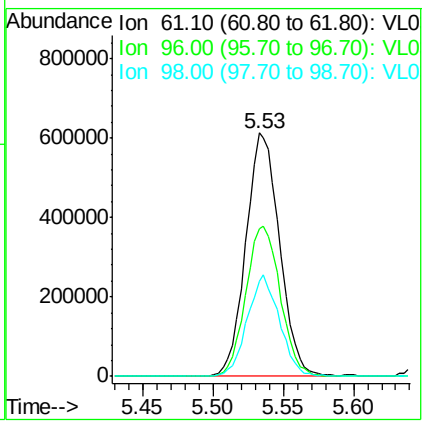


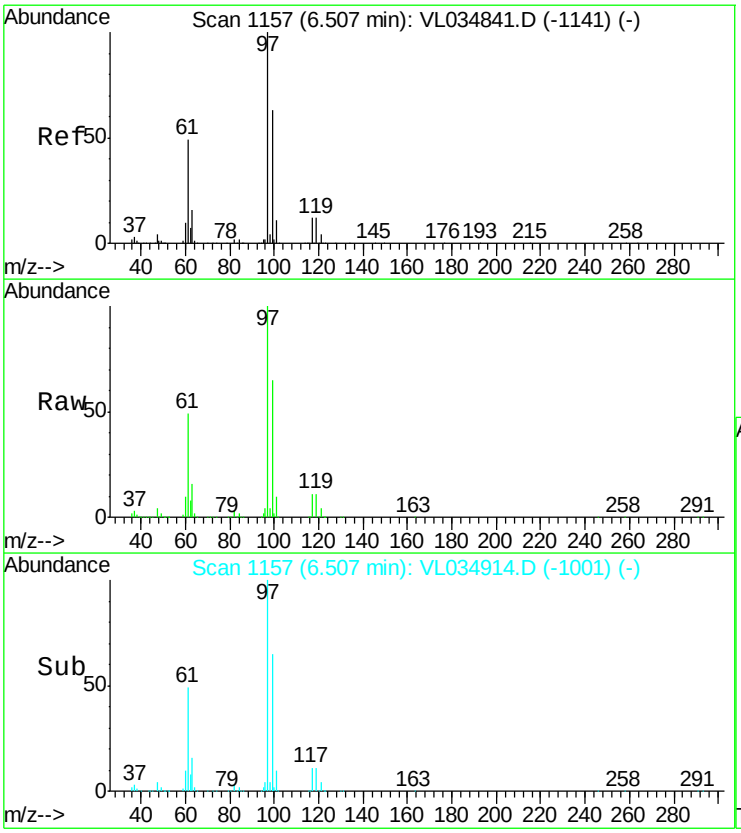
#31
cis-1,2-Dichloroethene
Concen: 9.989 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1026349

Ion	Ratio	Lower	Upper
61	100		
96	60.8	49.8	74.8
98	38.9	32.2	48.4

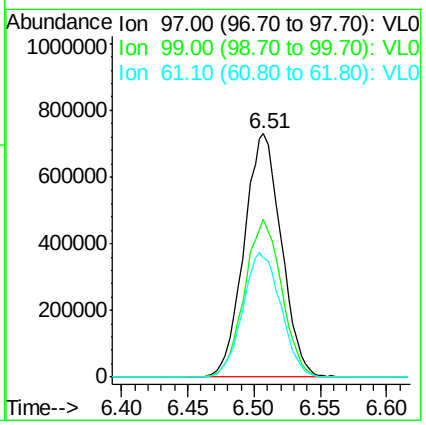


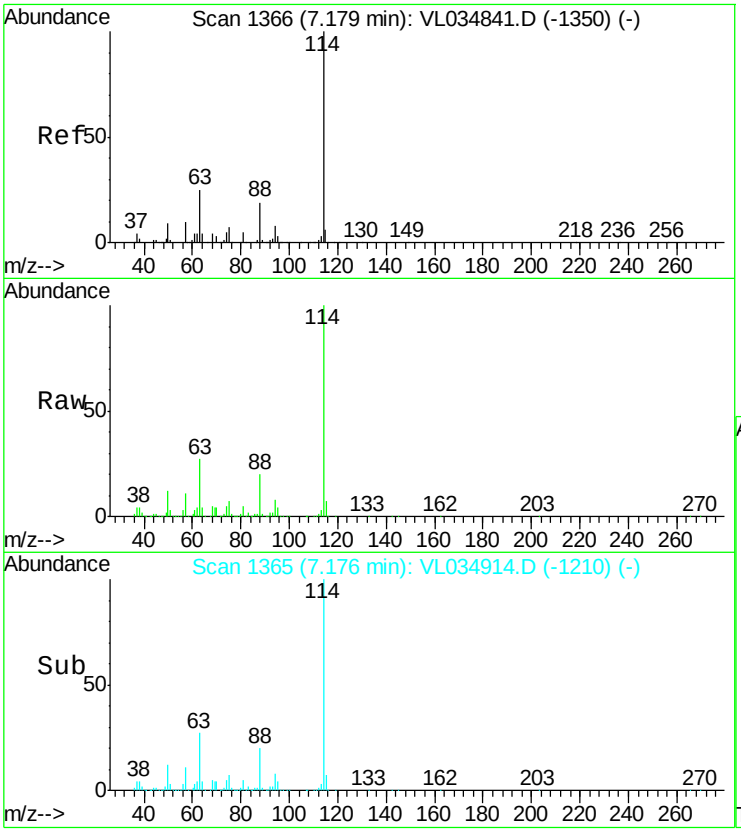


#32
1,1,1-Trichloroethane
Concen: 9.586 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 97 Resp: 1431938

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	52.3	39.7	59.5



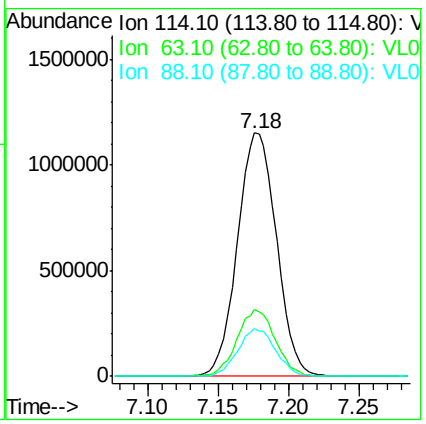


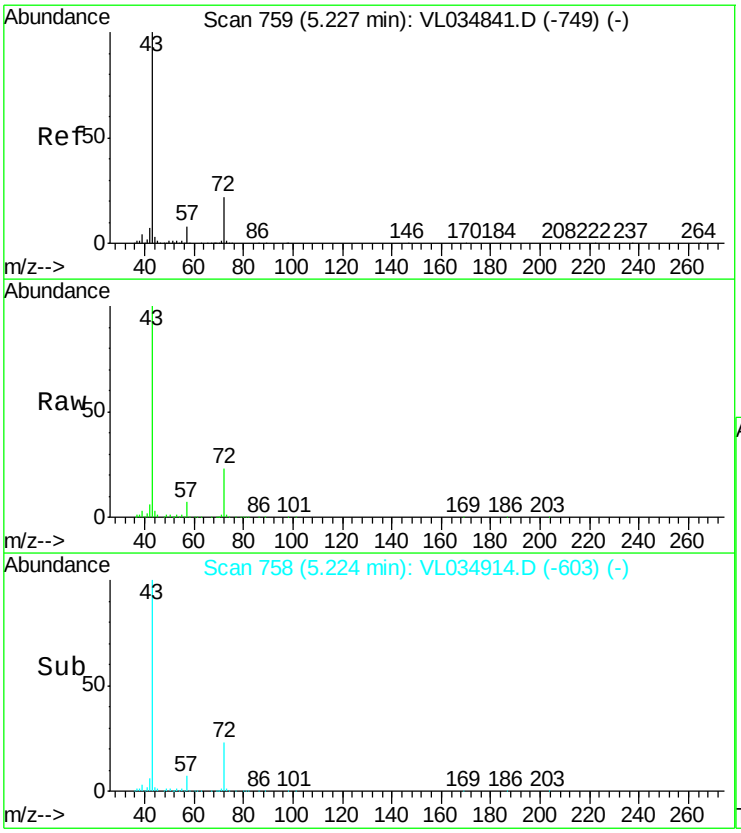
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2231033

Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.6	31.0
88	19.1	15.0	22.6

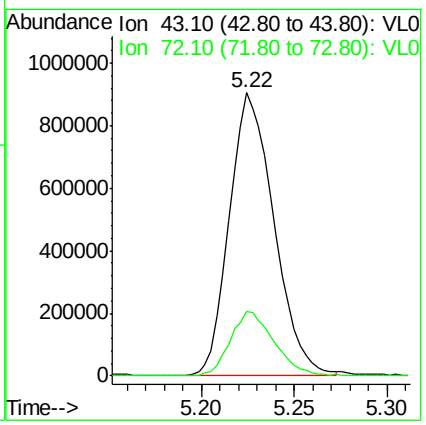


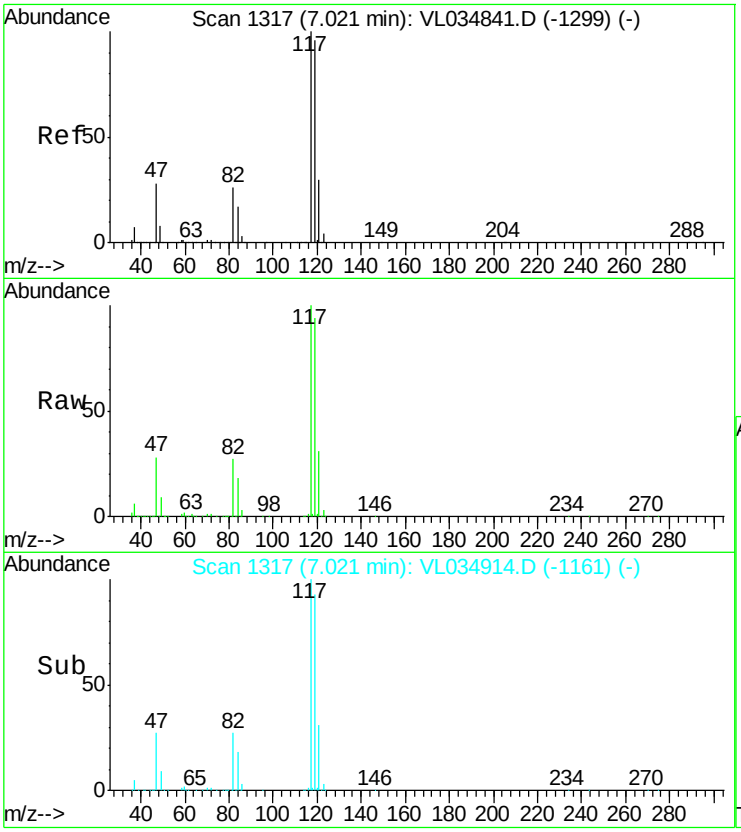


#34
2-Butanone
Concen: 10.129 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 43 Resp: 1501776

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.6	26.4



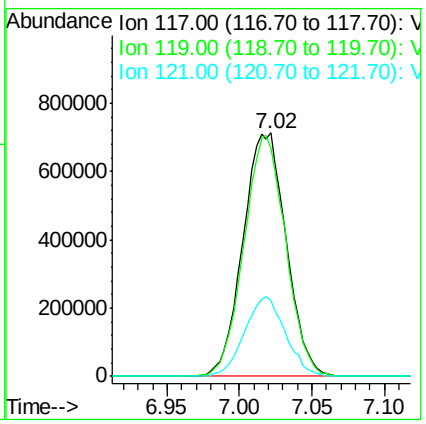


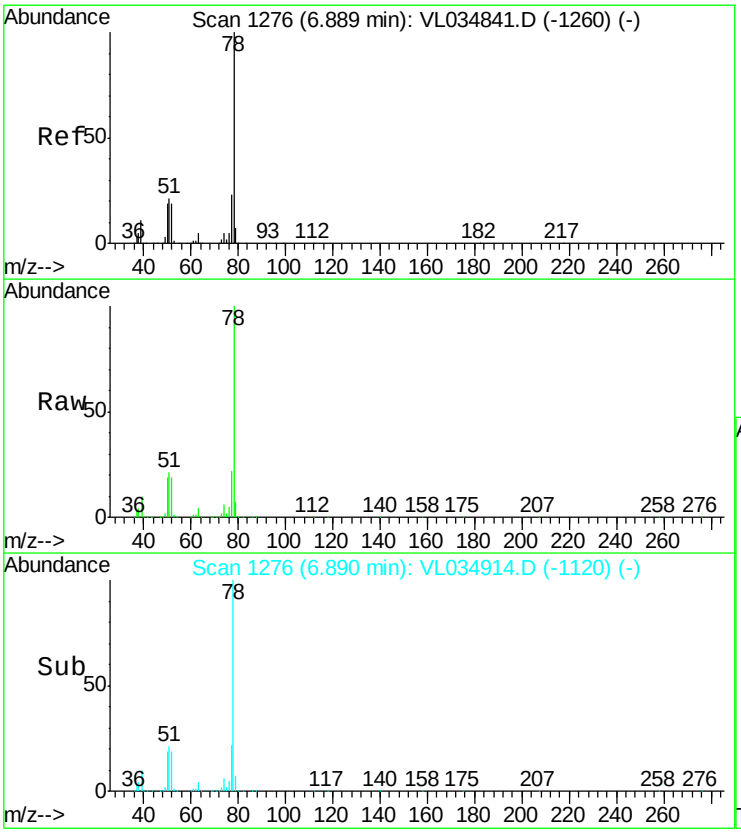
#35
Carbon Tetrachloride
Concen: 10.657 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1478780

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.0	115.4
121	31.2	24.0	36.0

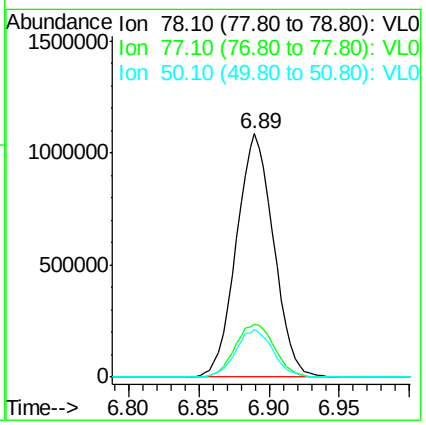


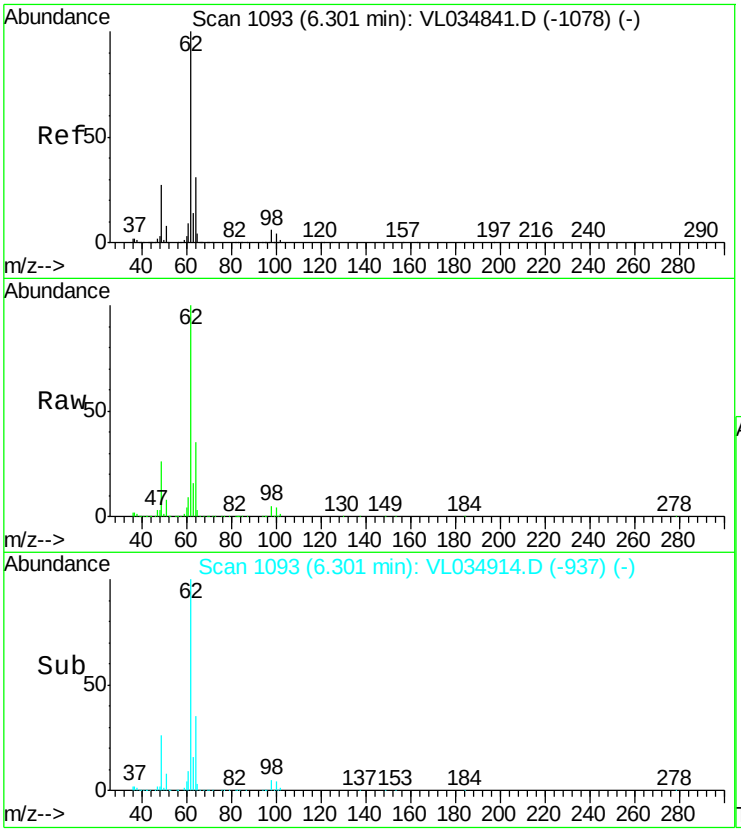


#36
Benzene
Concen: 10.092 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 78 Resp: 2006988

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.2	27.2
50	19.4	15.2	22.8



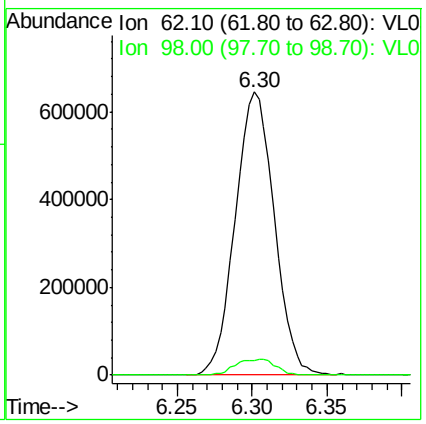


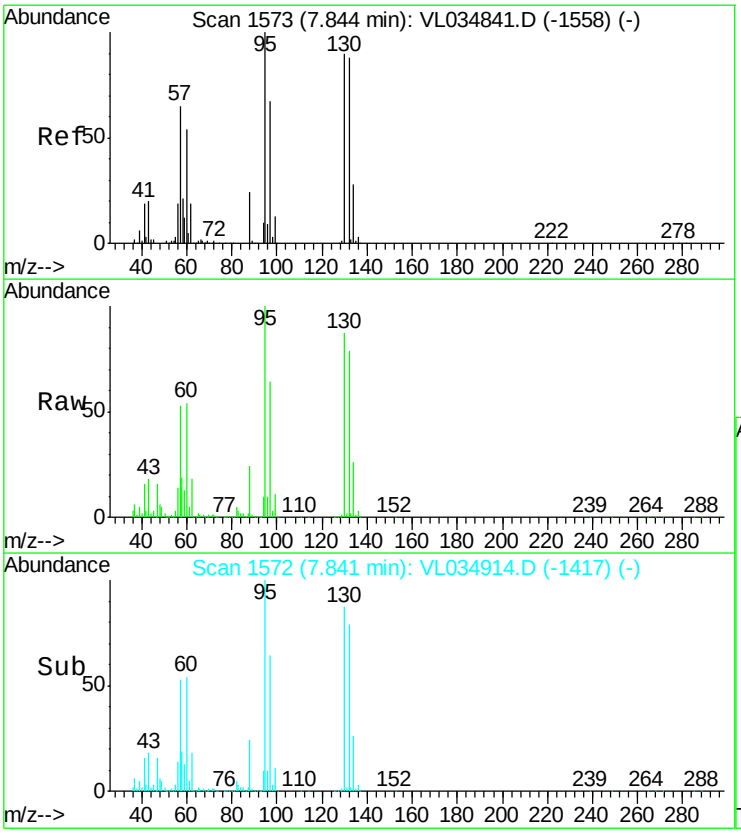
#37
1,2-Dichloroethane
Concen: 10.447 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1171477

Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.2	7.8

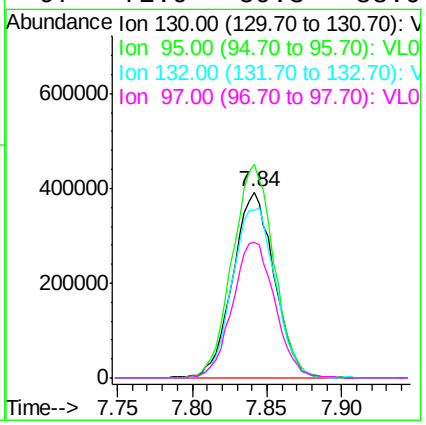


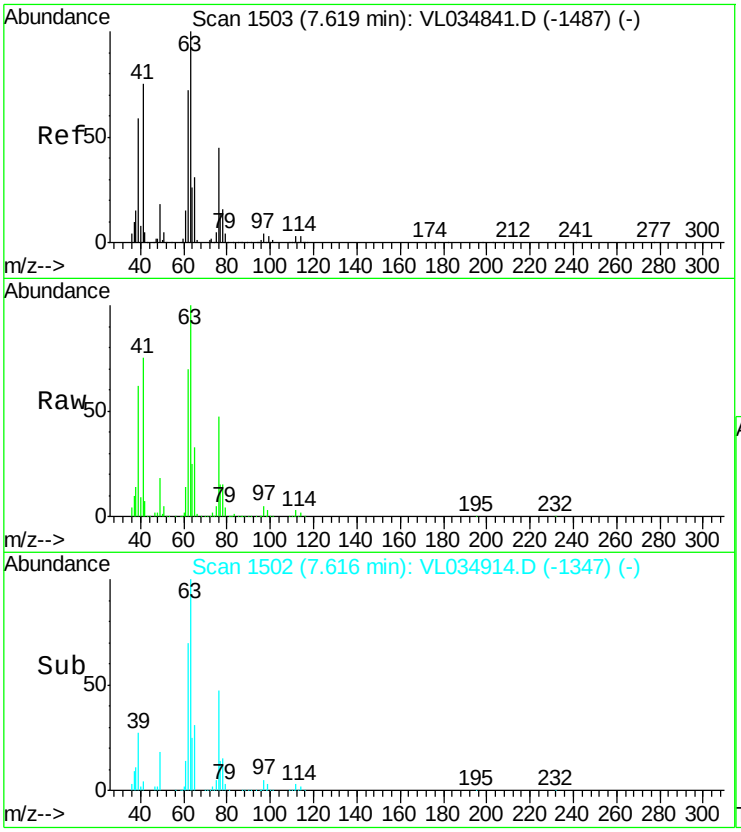


#38
Trichloroethene
Concen: 9.923 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:130 Resp: 749427

Ion	Ratio	Lower	Upper
130	100		
95	114.6	88.5	132.7
132	90.2	78.0	117.0
97	72.9	59.3	88.9



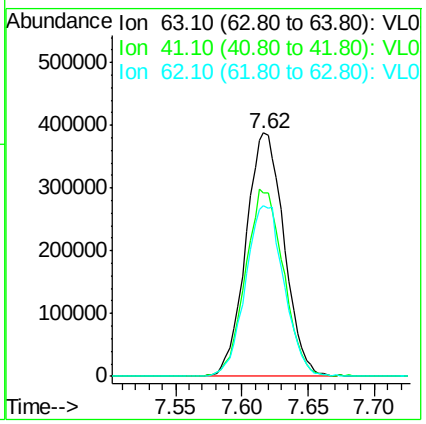


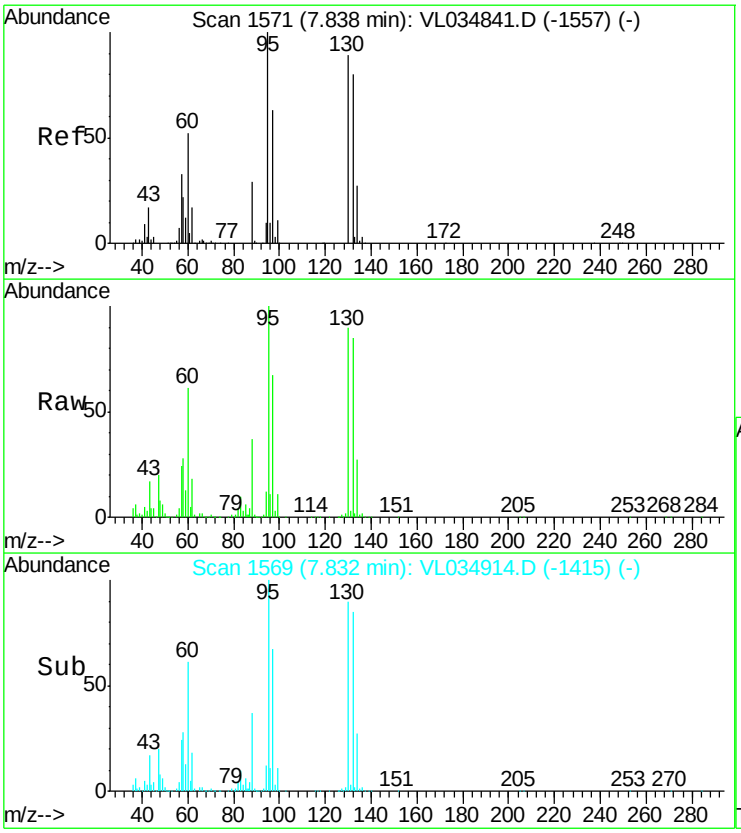
#39
1,2-Dichloropropane
Concen: 9.833 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 774749

Ion	Ratio	Lower	Upper
63	100		
41	75.0	59.8	89.8
62	69.9	57.6	86.4

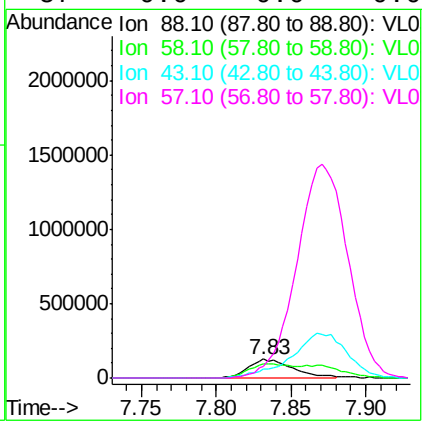


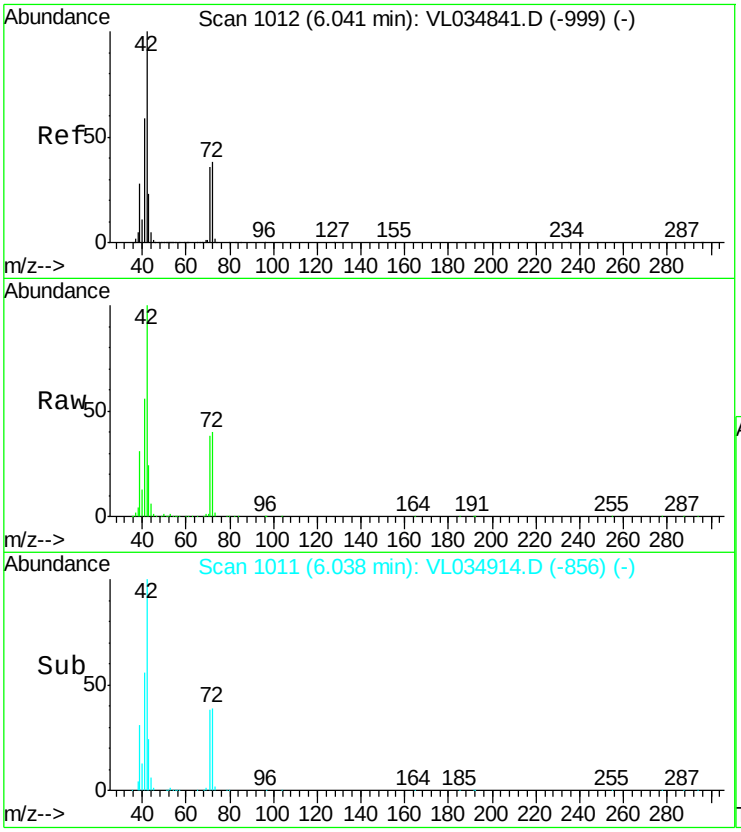


#40
1,4-Dioxane
Concen: 8.948 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 88 Resp: 266256

Ion	Ratio	Lower	Upper
88	100		
58	137.9	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0



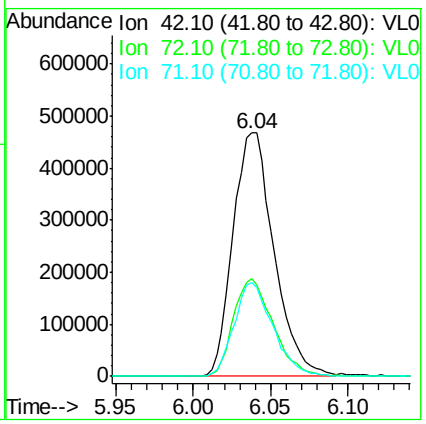


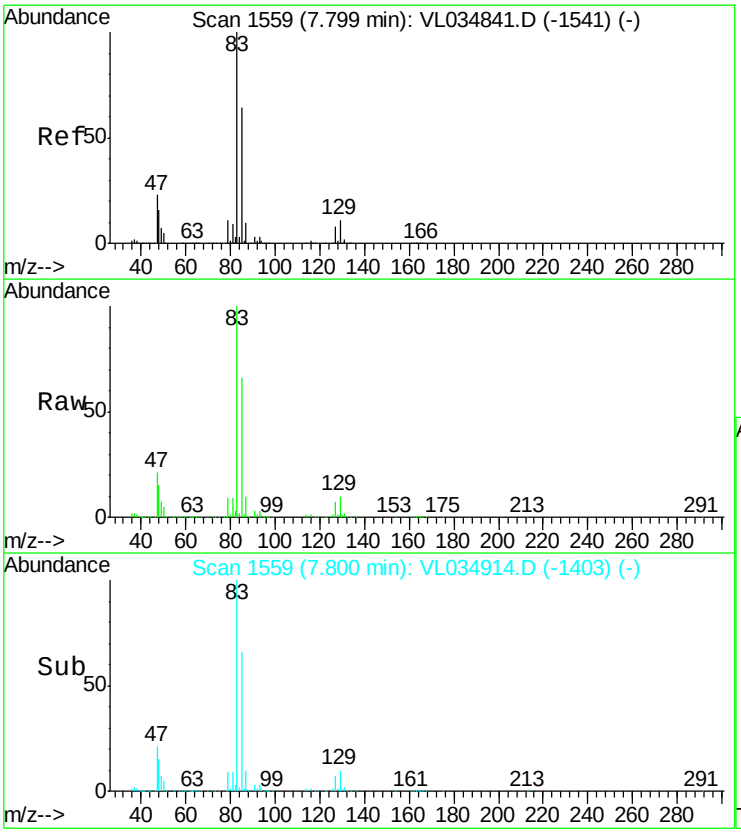
#41
Tetrahydrofuran
Concen: 10.742 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 861814

Ion	Ratio	Lower	Upper
42	100		
72	38.9	30.8	46.2
71	36.7	30.1	45.1

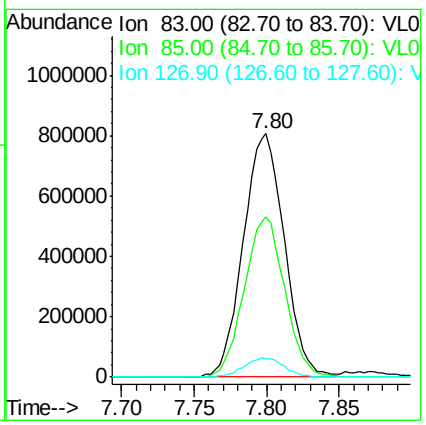


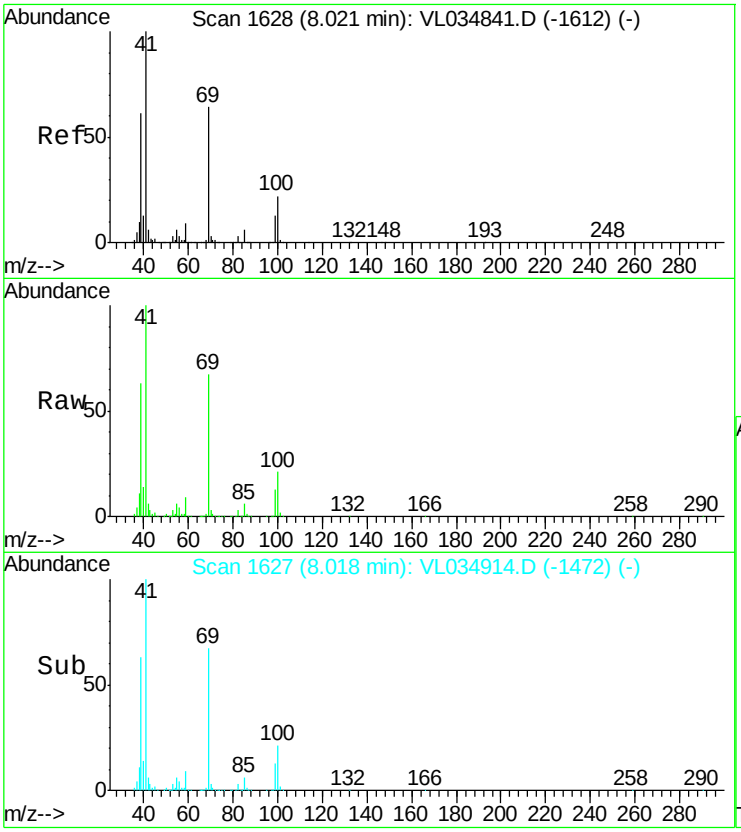


#42
Bromodichloromethane
Concen: 10.402 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 83 Resp: 1589708

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2
127	7.4	6.2	9.4



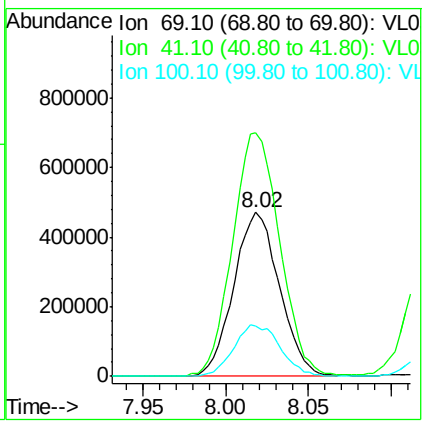


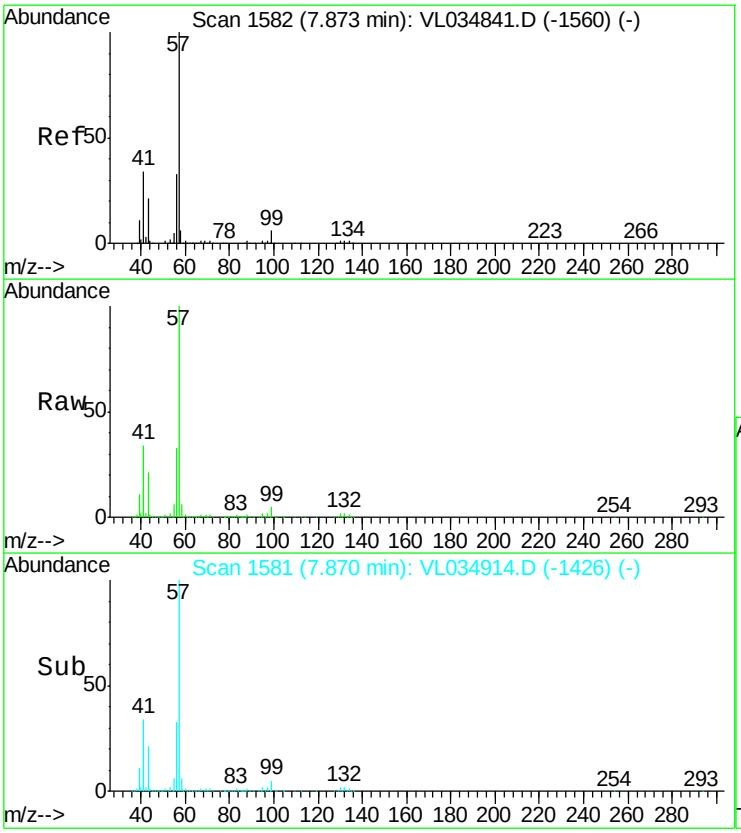
#43
Methyl Methacrylate
Concen: 10.762 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 901637

Ion	Ratio	Lower	Upper
69	100		
41	153.1	123.2	184.8
100	32.1	26.9	40.3

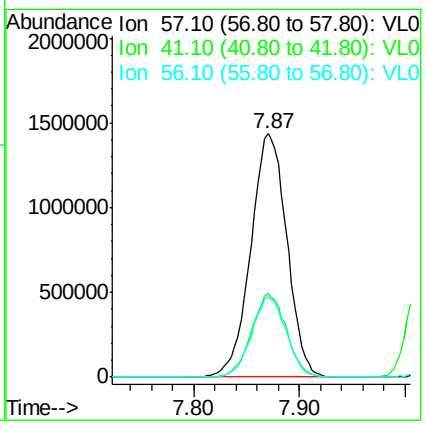


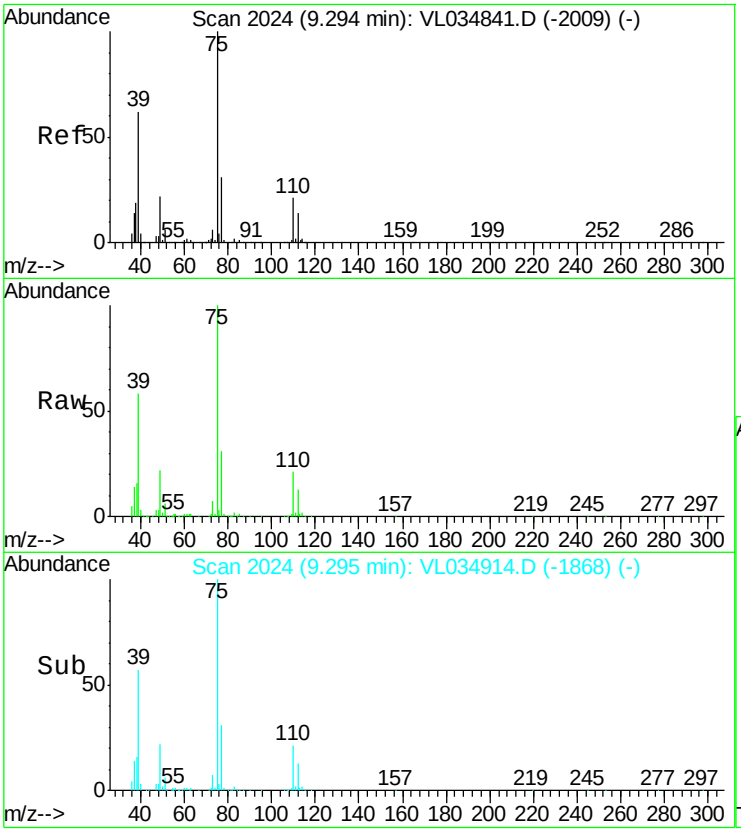


#44
2,2,4-Trimethylpentane
Concen: 10.174 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 57 Resp: 3418869

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	31.5	25.0	37.4



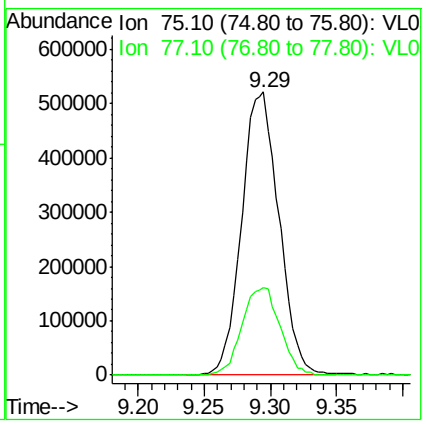


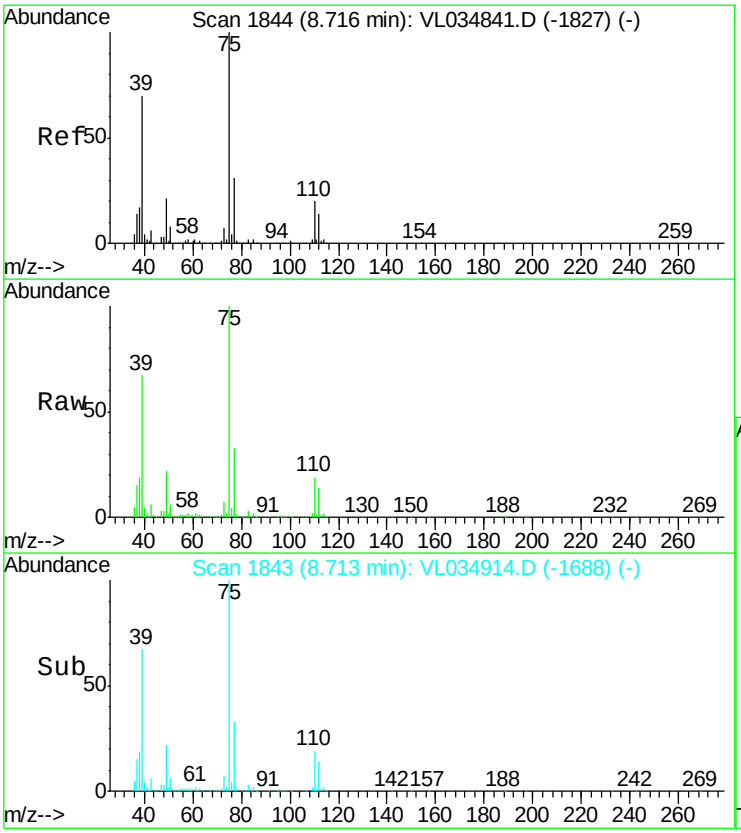
#45
t-1,3-Dichloropropene
Concen: 10.371 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1020793

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0

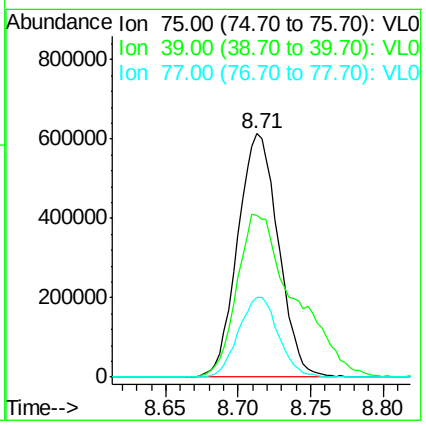


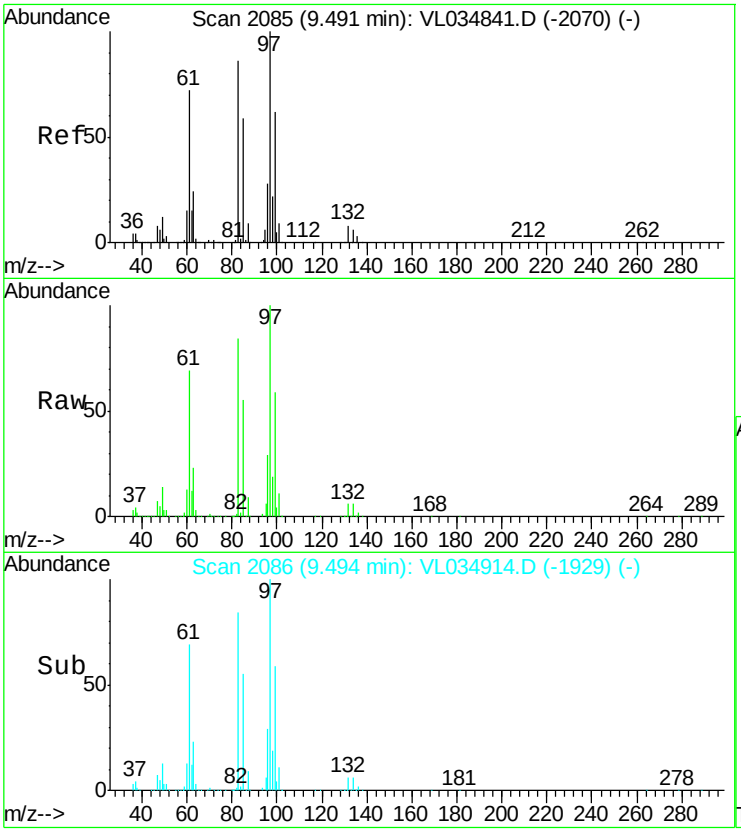


#46
cis-1,3-Dichloropropene
Concen: 10.228 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 75 Resp: 1196289

Ion	Ratio	Lower	Upper
75	100		
39	66.5	55.7	83.5
77	32.9	24.7	37.1



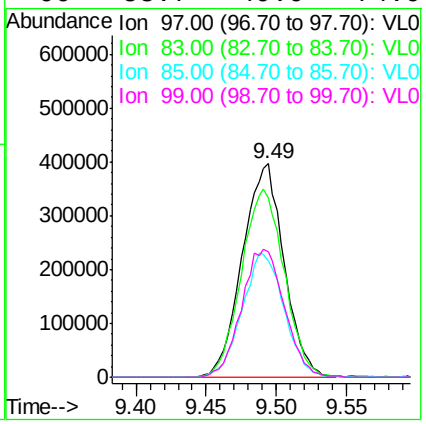


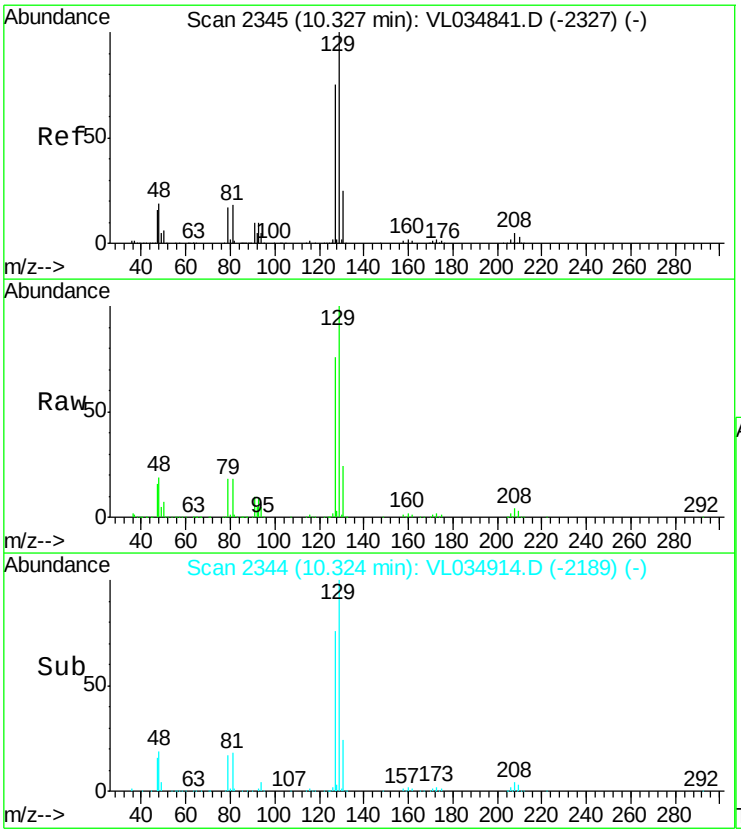
#47
1,1,2-Trichloroethane
Concen: 10.159 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 821466

Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.6	102.8
85	54.6	46.9	70.3
99	58.7	49.9	74.9

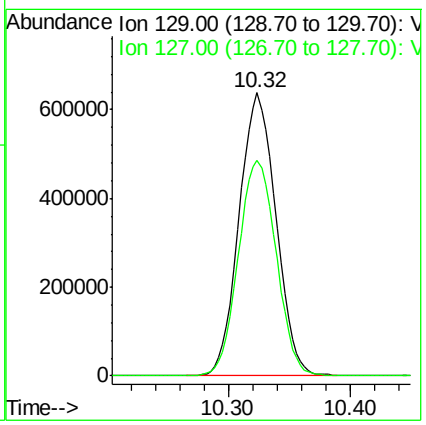


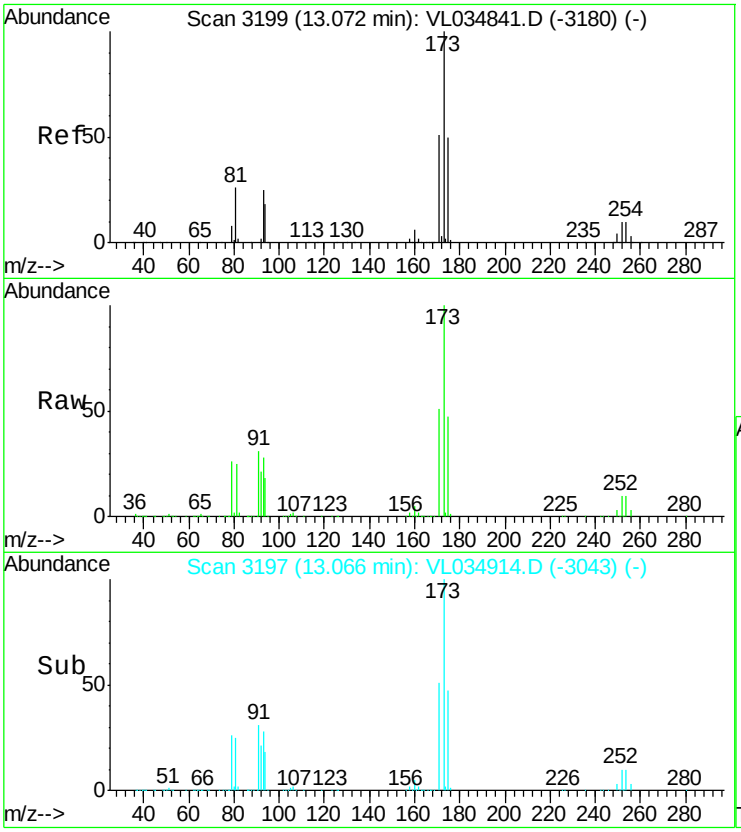


#48
Dibromochloromethane
Concen: 10.157 ppbv
RT: 10.32 min Scan# 2344
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:129 Resp: 1329989

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.6	118.7



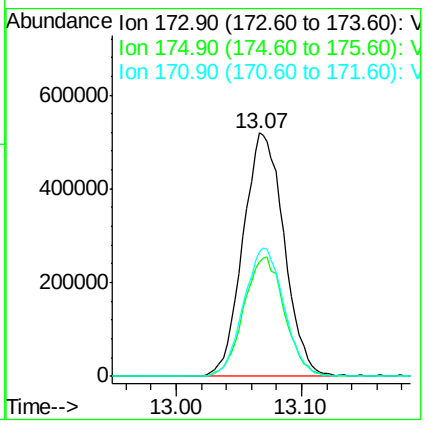


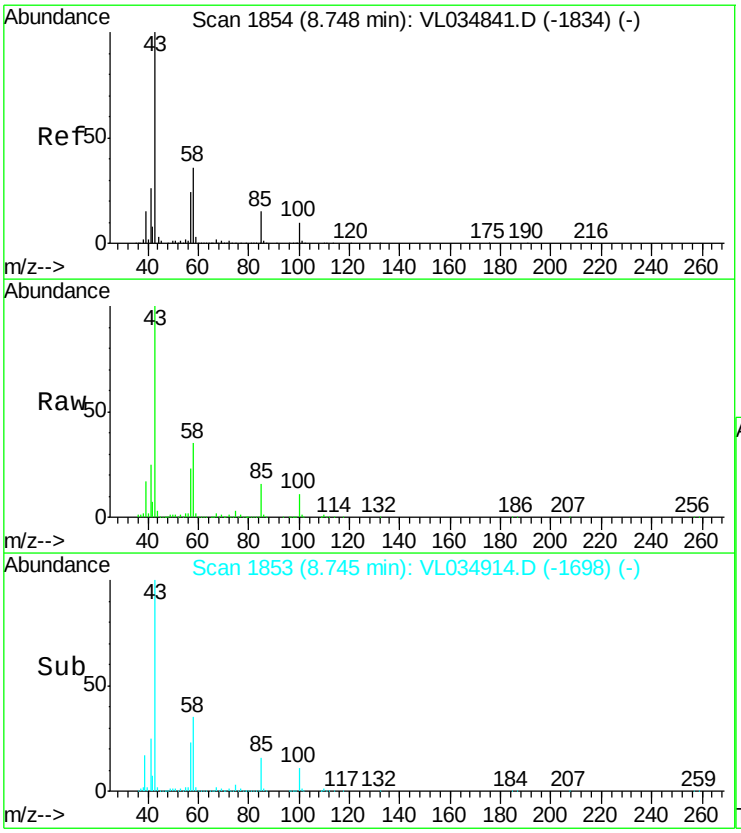
#49
Bromoform
Concen: 10.073 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1176043

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.6	59.4
171	52.1	41.0	61.6

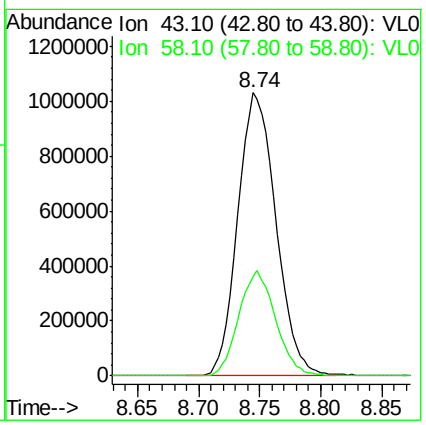


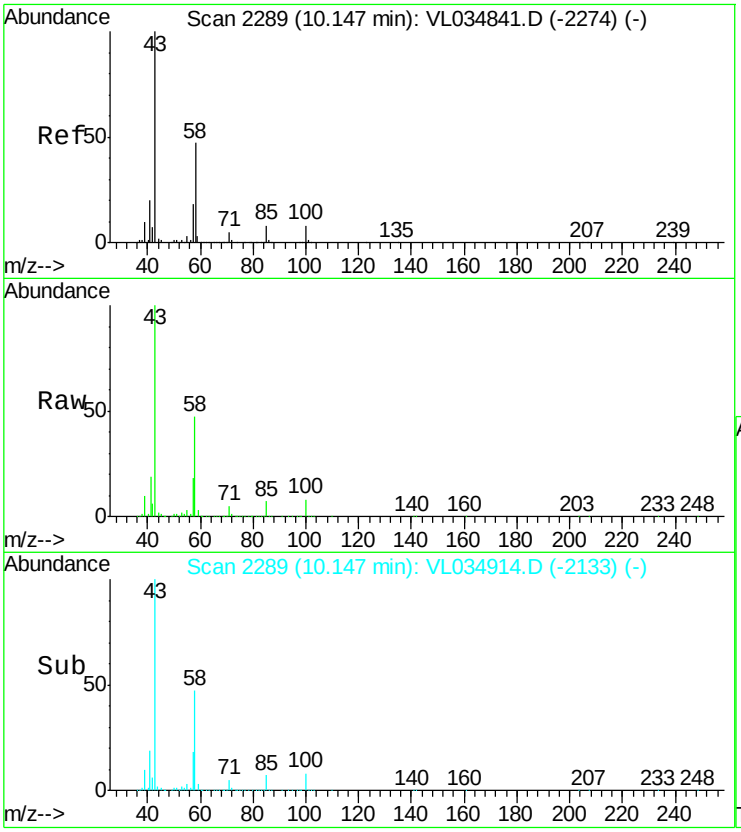


#50
4-Methyl-2-Pentanone
Concen: 10.423 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 43 Resp: 2224493

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	42.8



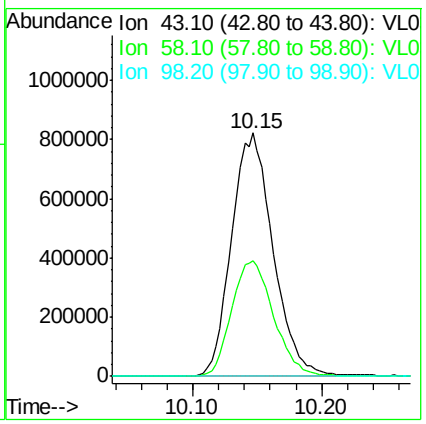


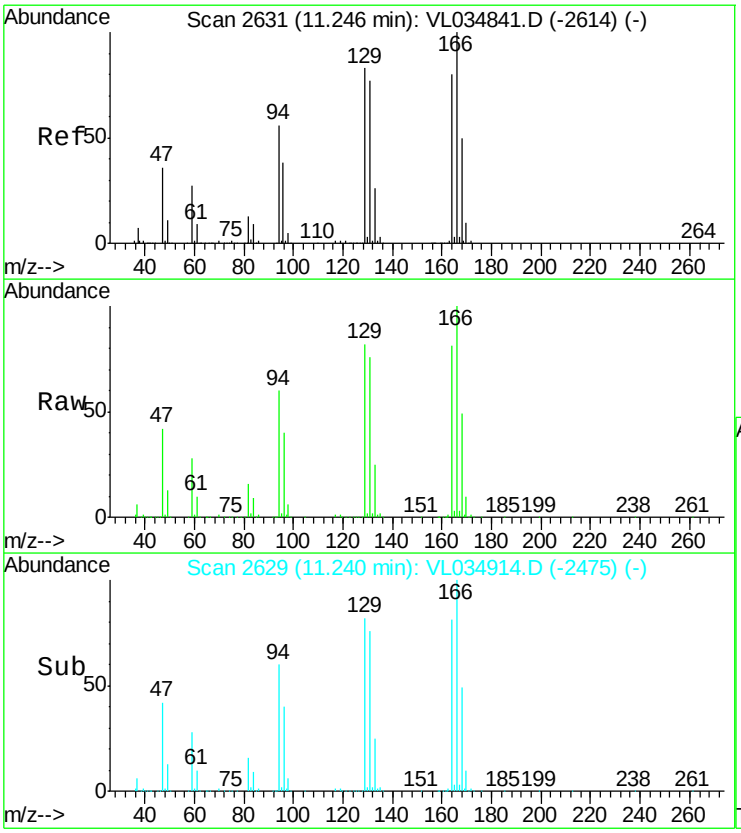
#51
2-Hexanone
Concen: 10.552 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1830290

Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.6	58.0
98	0.3	0.1	0.1#

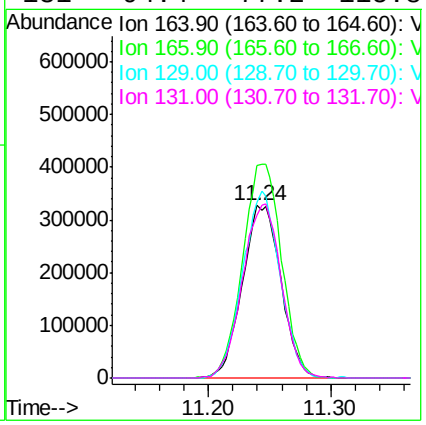


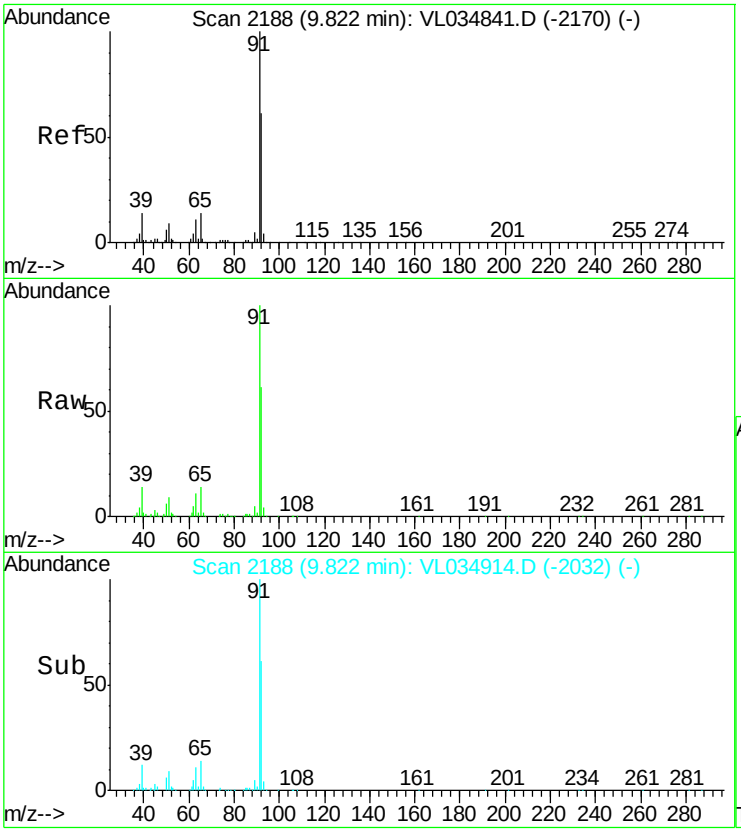


#52
Tetrachloroethene
Concen: 9.059 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:164 Resp: 712693

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.0	150.0
129	101.6	83.1	124.7
131	94.4	77.2	115.8



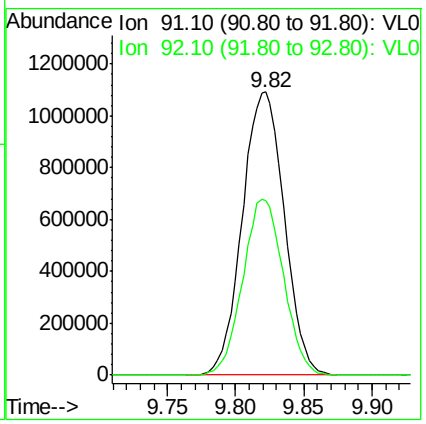


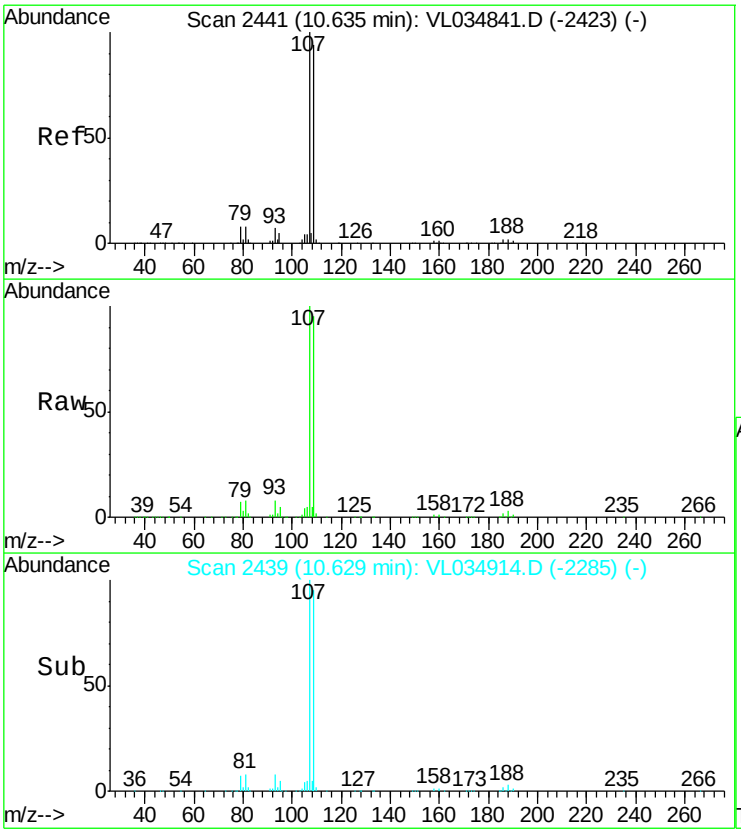
#53
Toluene
Concen: 10.159 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2333004

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.6	72.8

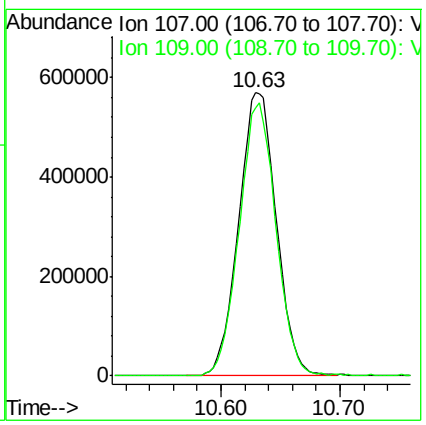


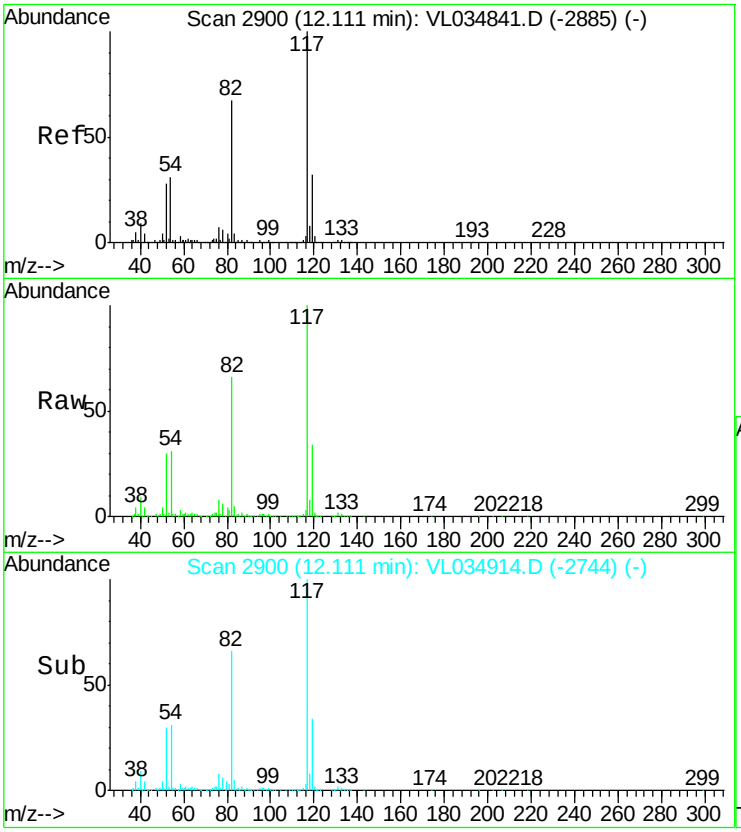


#54
1,2-Dibromoethane
Concen: 10.247 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:107 Resp: 1247197

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.9	112.3



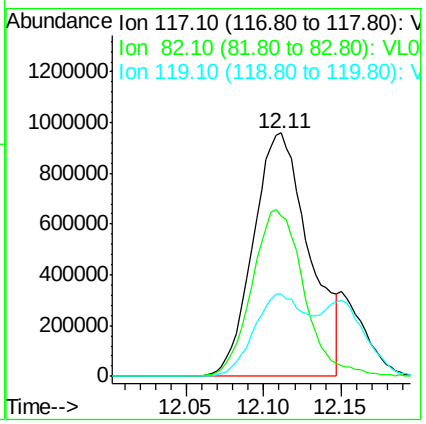


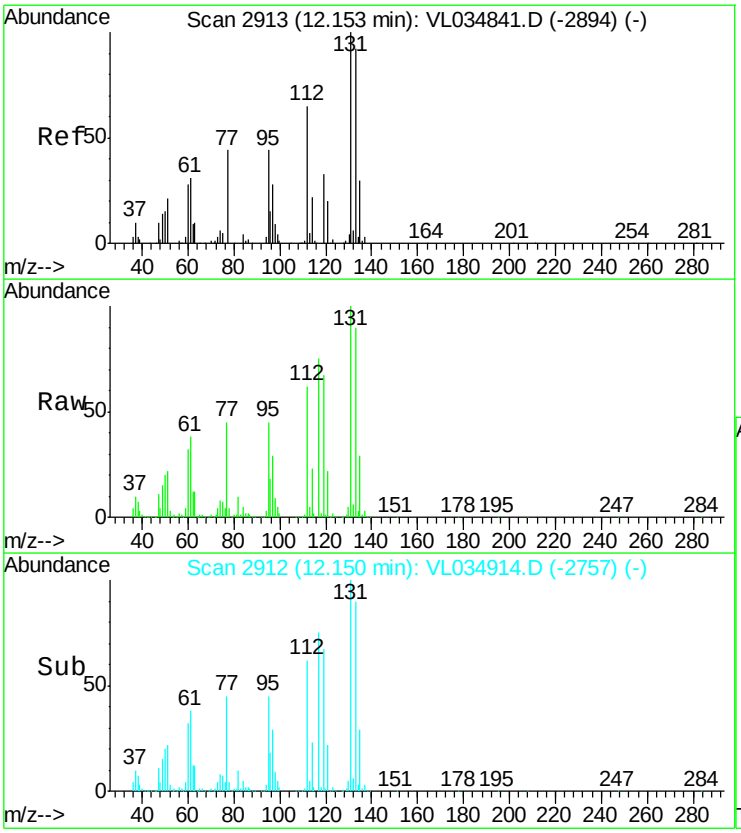
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2413472

Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.1	76.7
119	34.3	27.3	40.9

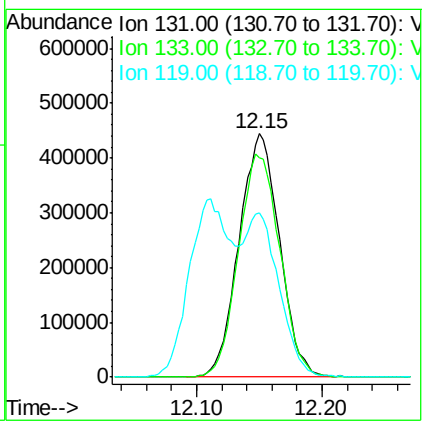


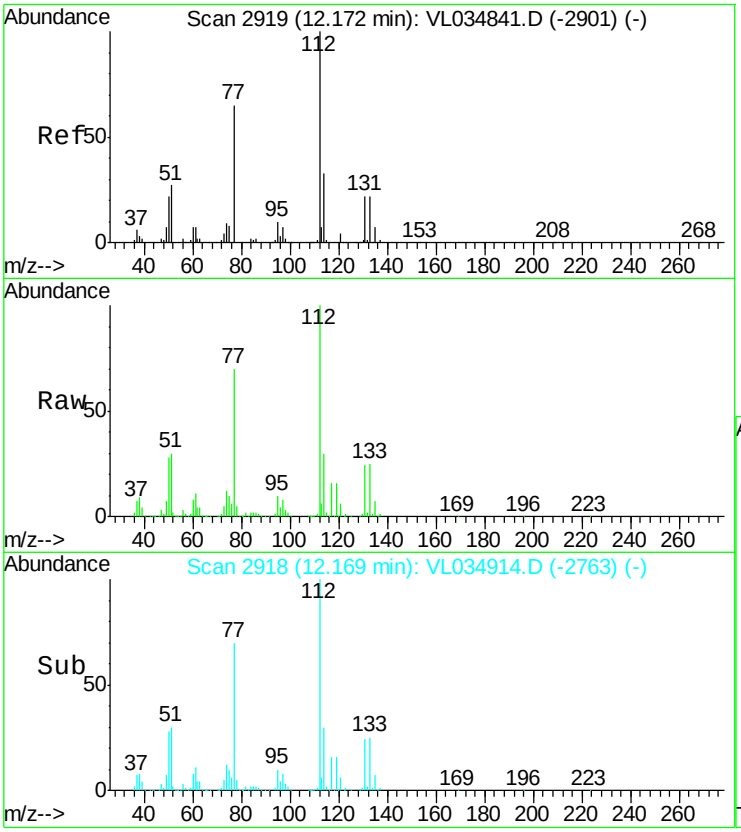


#56
1,1,1,2-Tetrachloroethane
Concen: 9.192 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:131 Resp: 996501

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.0	114.0
119	57.6	47.8	71.8



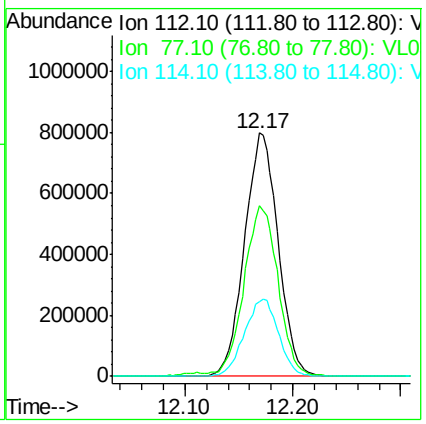


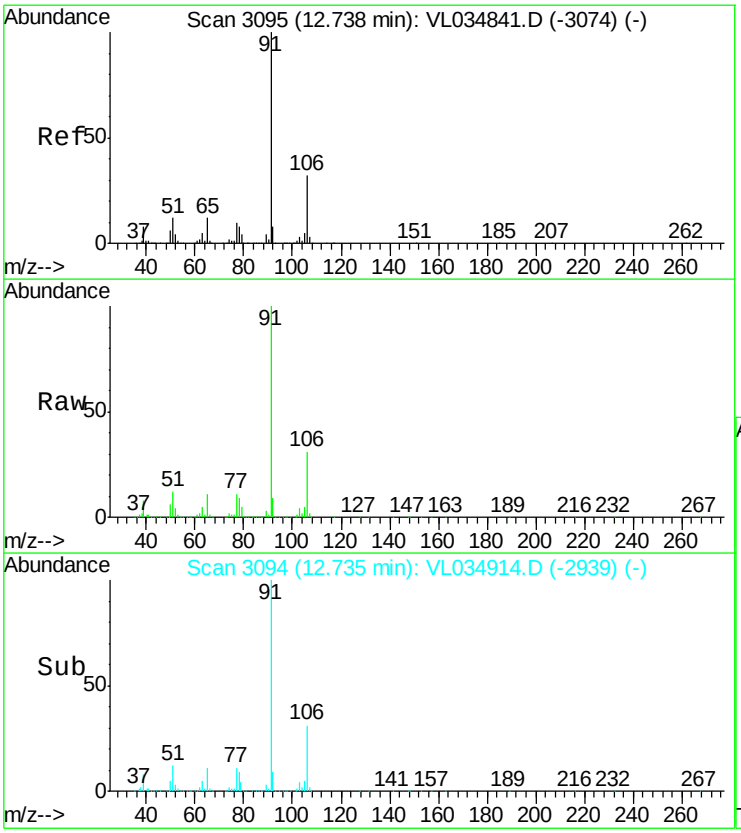
#57
Chlorobenzene
Concen: 9.141 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1726215

Ion	Ratio	Lower	Upper
112	100		
77	69.9	53.0	79.6
114	30.4	29.5	36.1

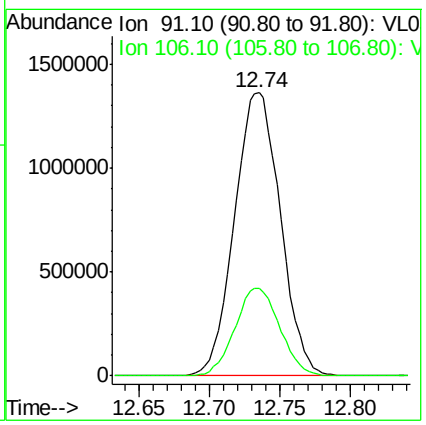


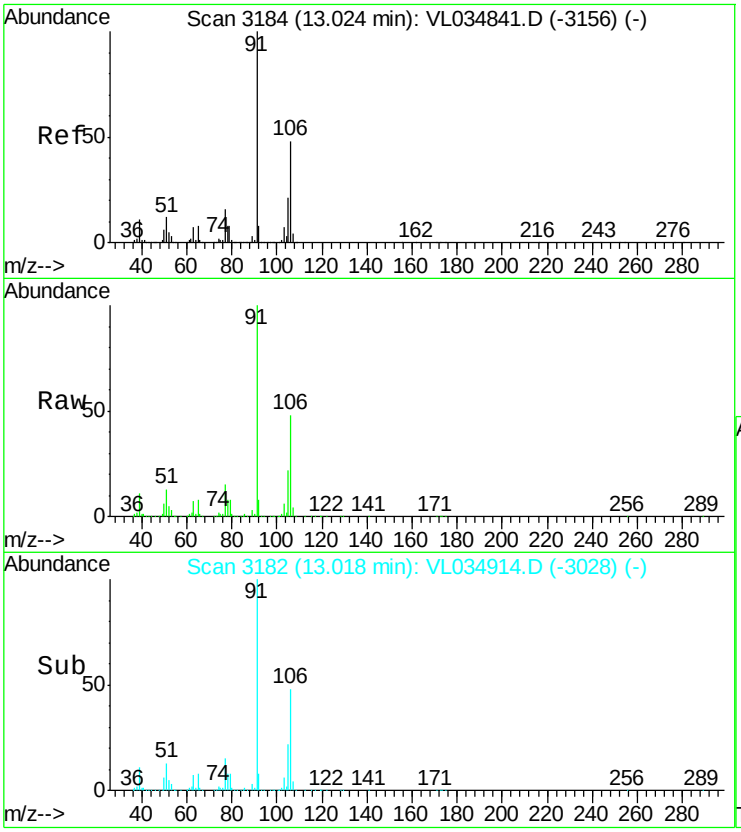


#58
Ethyl Benzene
Concen: 9.471 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 3095516

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.8	38.6



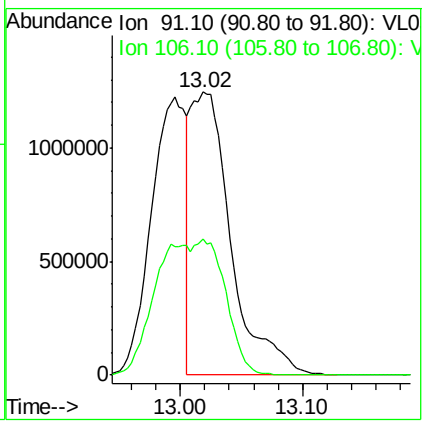


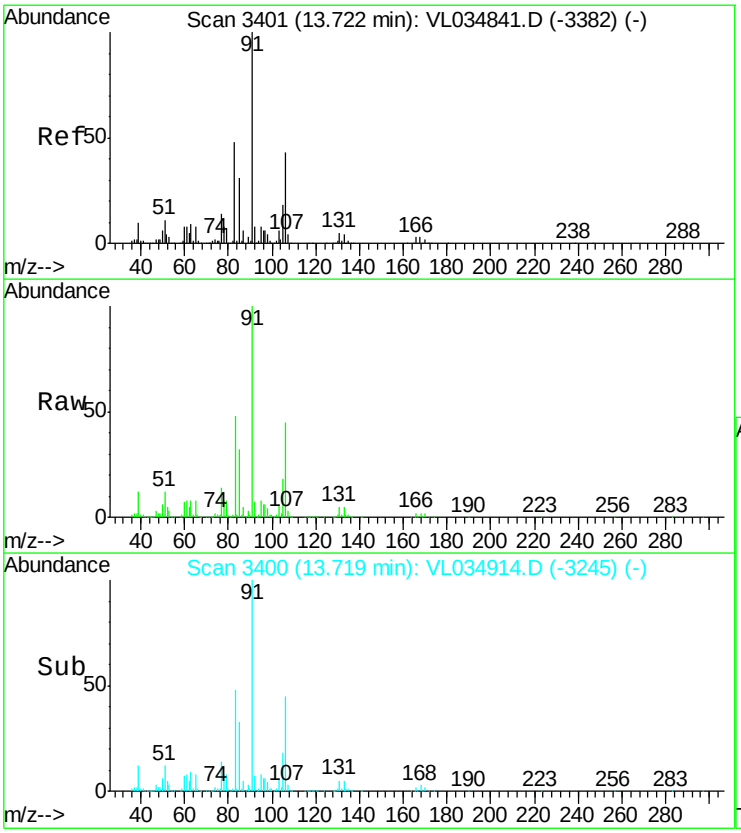
#59
m/p-Xylene
Concen: 10.350 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2834033

Ion	Ratio	Lower	Upper
91	100		
106	82.5	37.1	55.7#

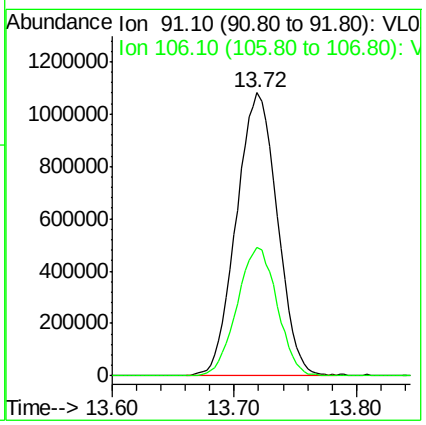


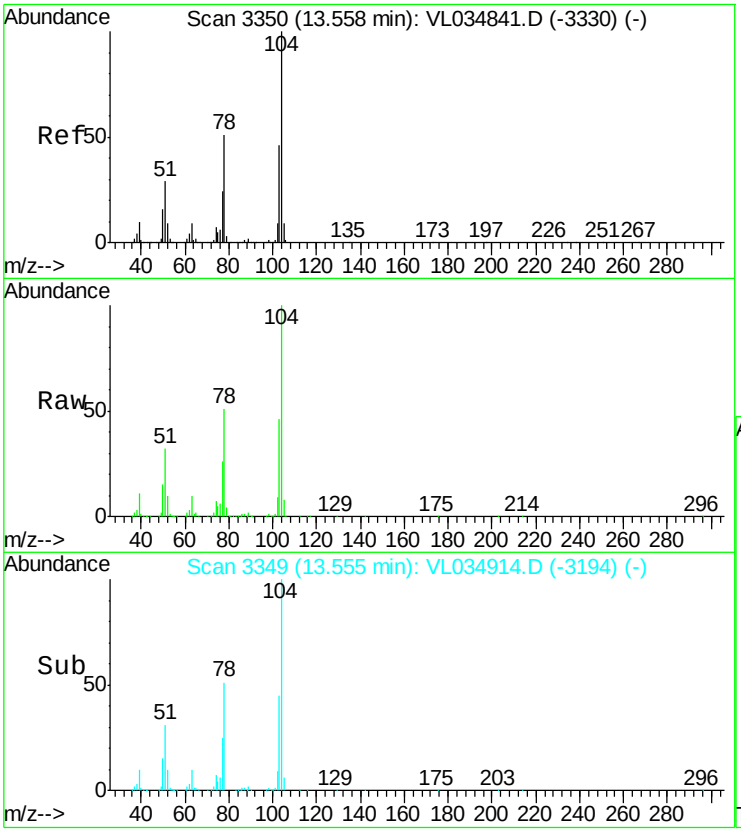


#60
o-Xylene
Concen: 9.346 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 2498665

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.5	67.5



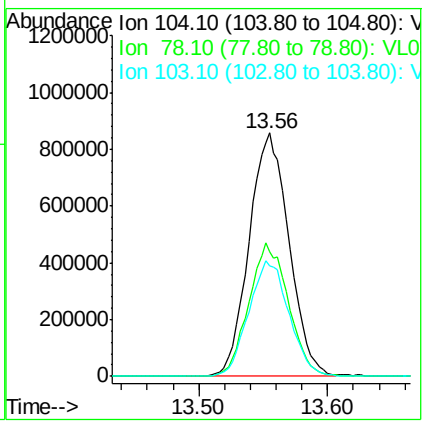


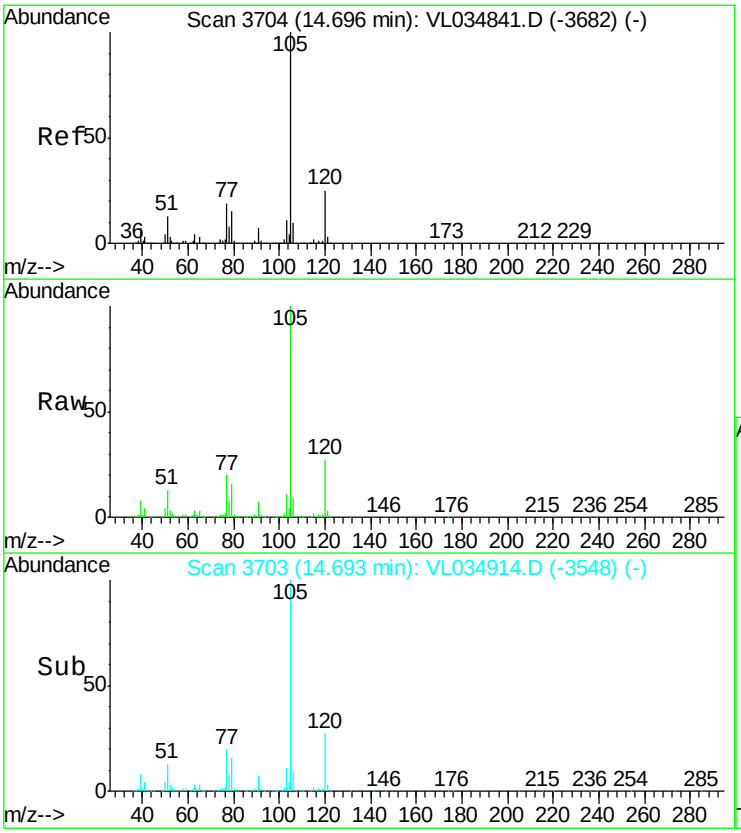
#61
Styrene
Concen: 9.858 ppbv
RT: 13.56 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1849643

Ion	Ratio	Lower	Upper
104	100		
78	54.4	41.8	62.6
103	48.0	37.8	56.6

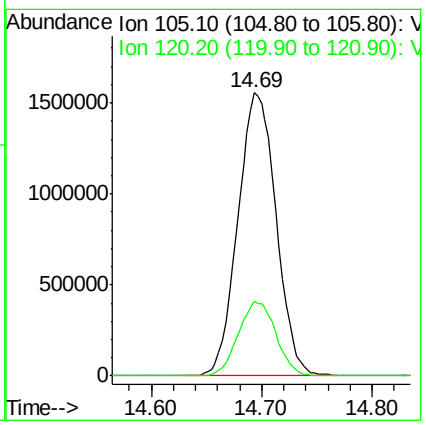


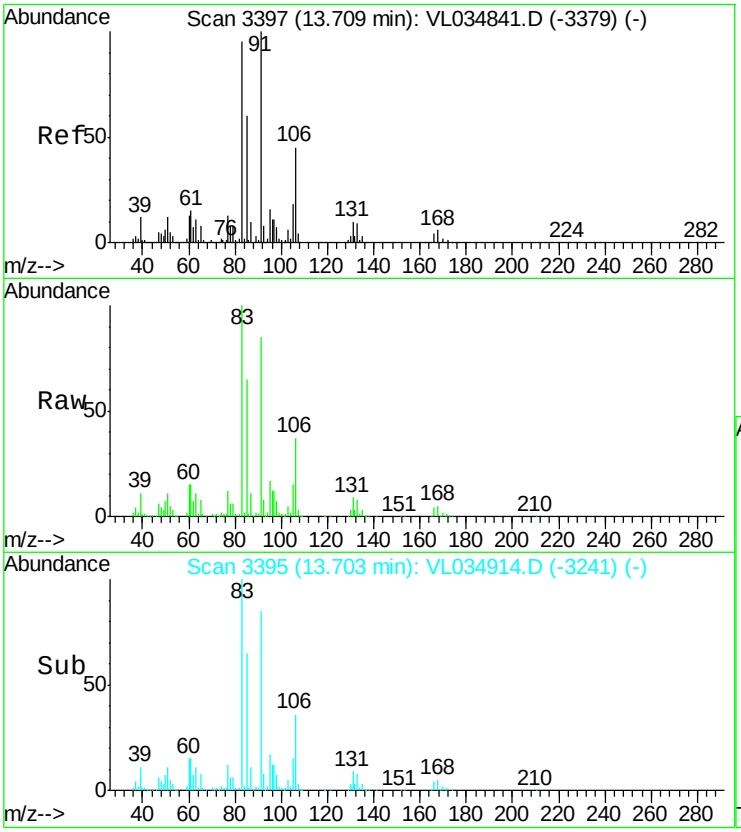


#62
Isopropylbenzene
Concen: 9.232 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:105 Resp: 3732209

Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4



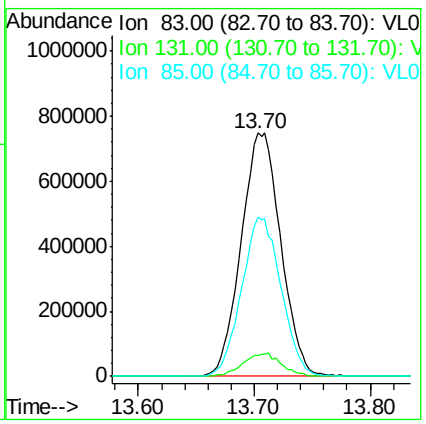


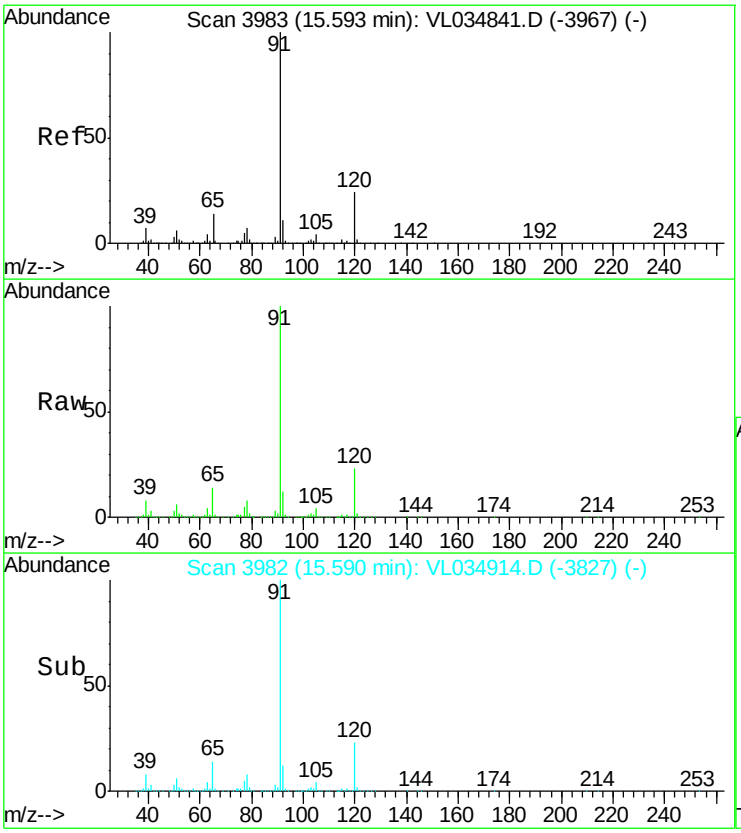
#63
1,1,2,2-Tetrachloroethane
Concen: 9.831 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1784333

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.0	14.9
85	65.0	32.4	97.2

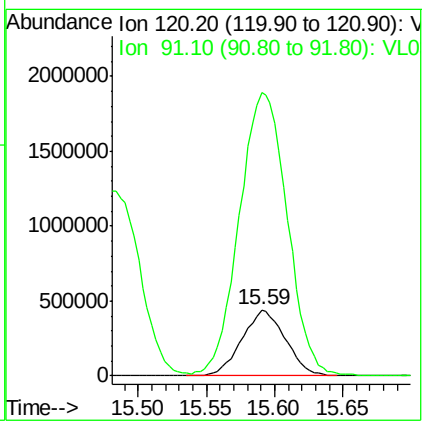


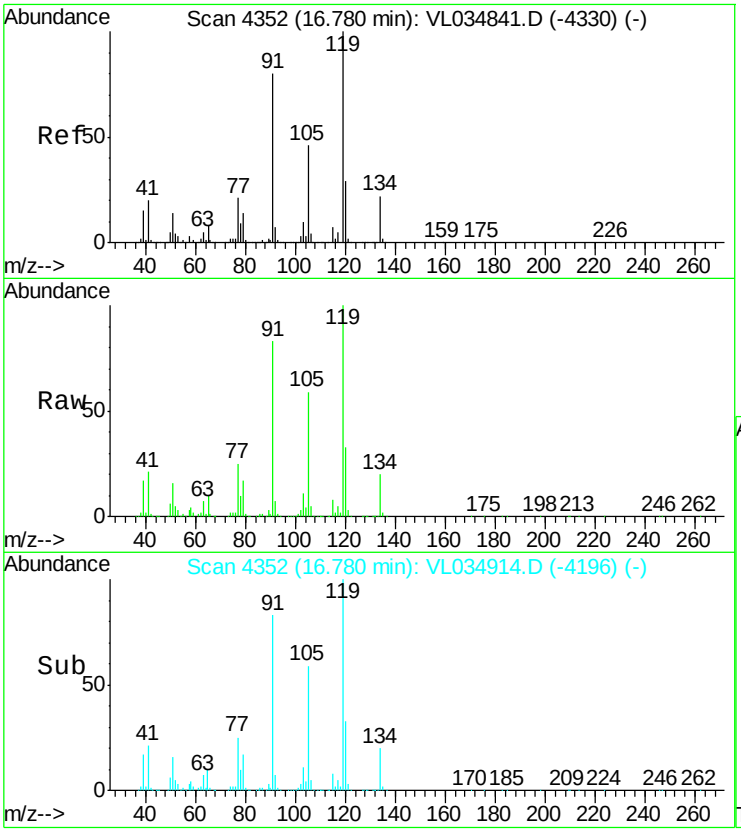


#64
n-propylbenzene
Concen: 9.302 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:120 Resp: 978755

Ion	Ratio	Lower	Upper
120	100		
91	470.8	360.9	541.3



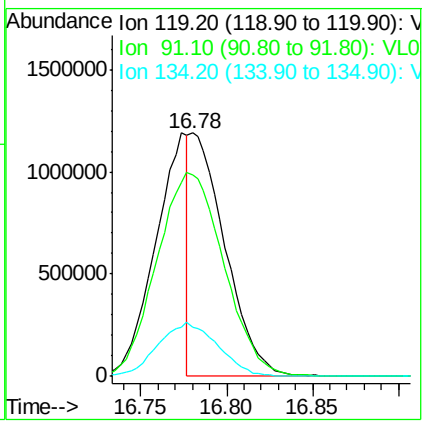


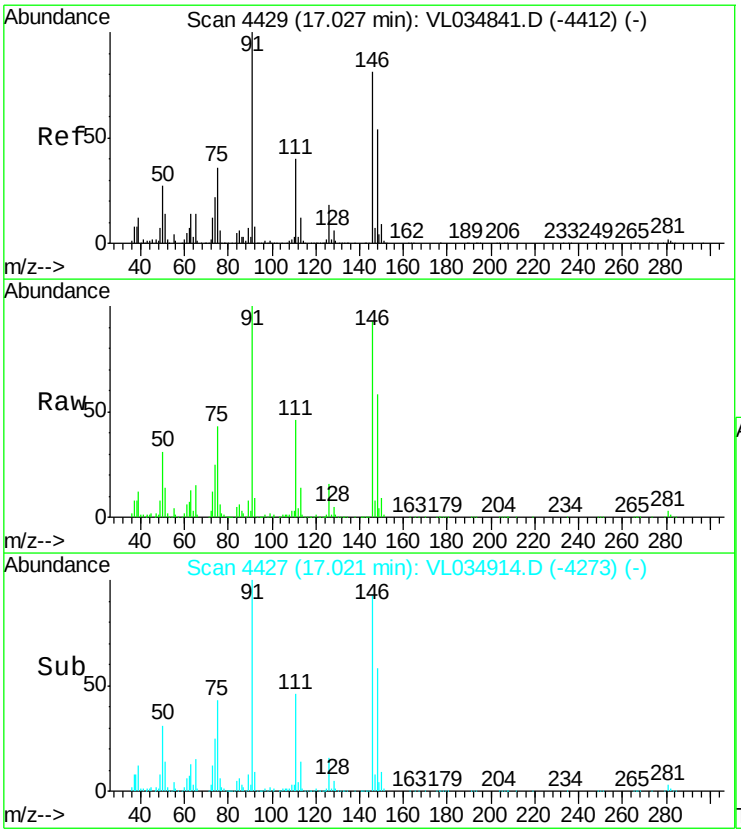
#65
tert-Butylbenzene
Concen: 4.720 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 1667862

Ion	Ratio	Lower	Upper
119	100		
91	162.3	64.9	97.3#
134	38.3	15.9	23.9#

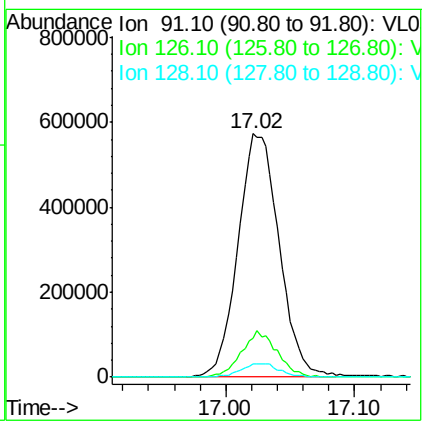


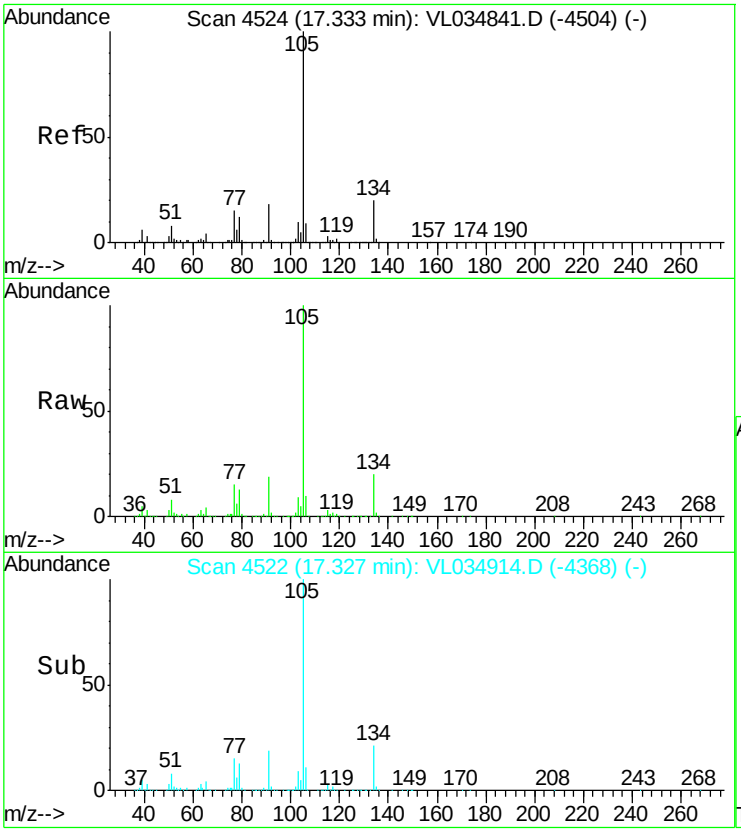


#66
Benzyl Chloride
Concen: 8.621 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 1270391

Ion	Ratio	Lower	Upper
91	100		
126	16.6	14.7	22.1
128	5.2	4.7	7.1



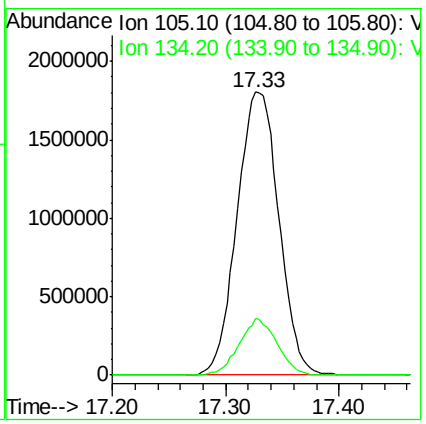


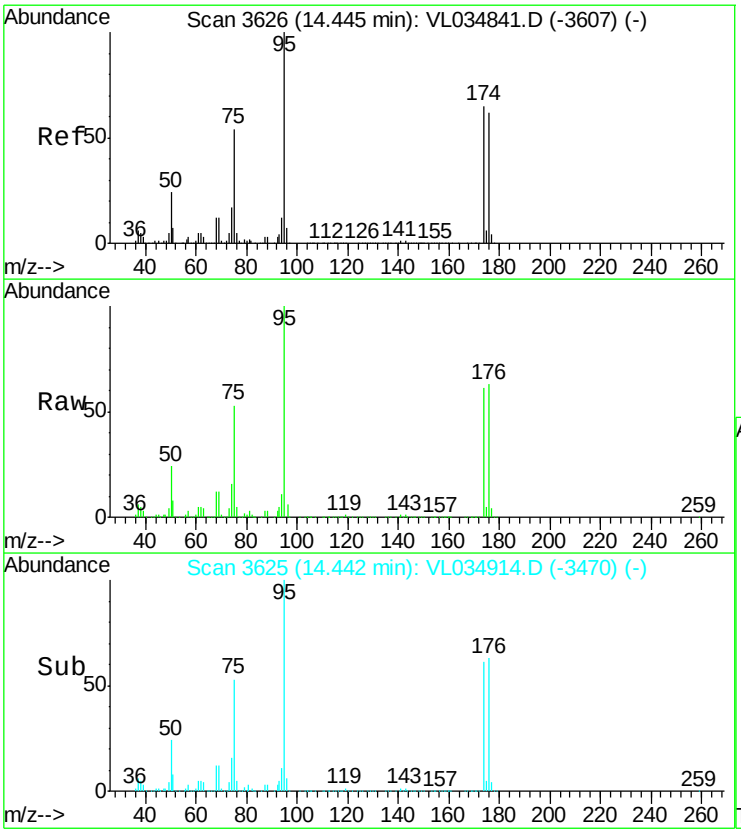
#67
sec-Butylbenzene
Concen: 9.440 ppbv
RT: 17.33 min Scan# 4522
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4626021

Ion	Ratio	Lower	Upper
105	100		
134	18.2	15.0	22.6

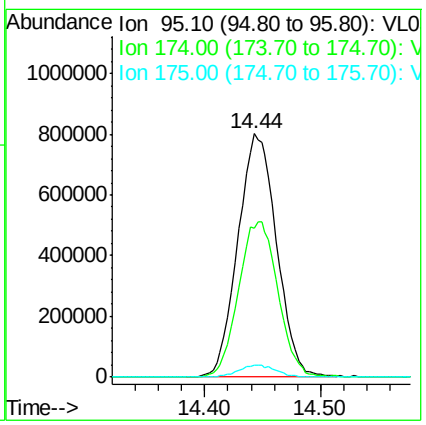


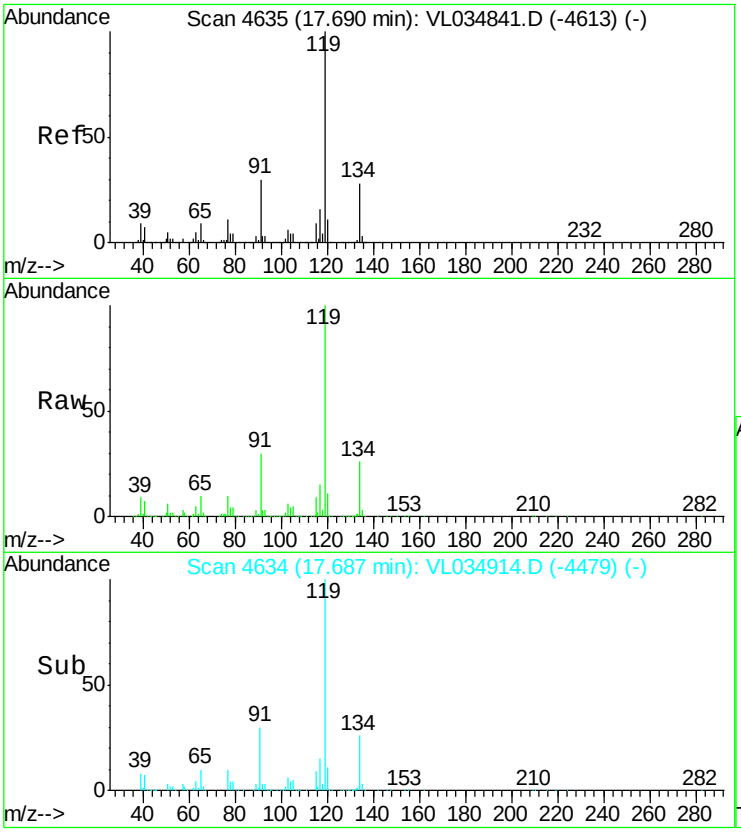


#68
1-Bromo-4-Fluorobenzene
Concen: 9.874 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 95 Resp: 1858536

Ion	Ratio	Lower	Upper
95	100		
174	65.3	55.2	82.8
175	4.9	4.3	6.5



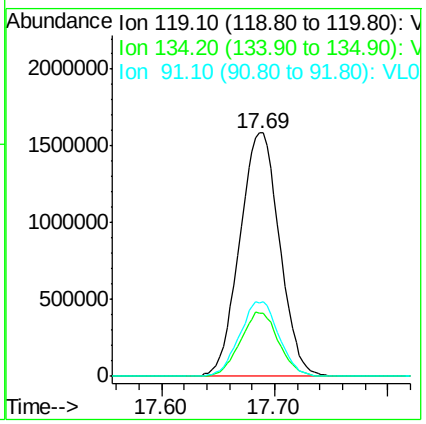


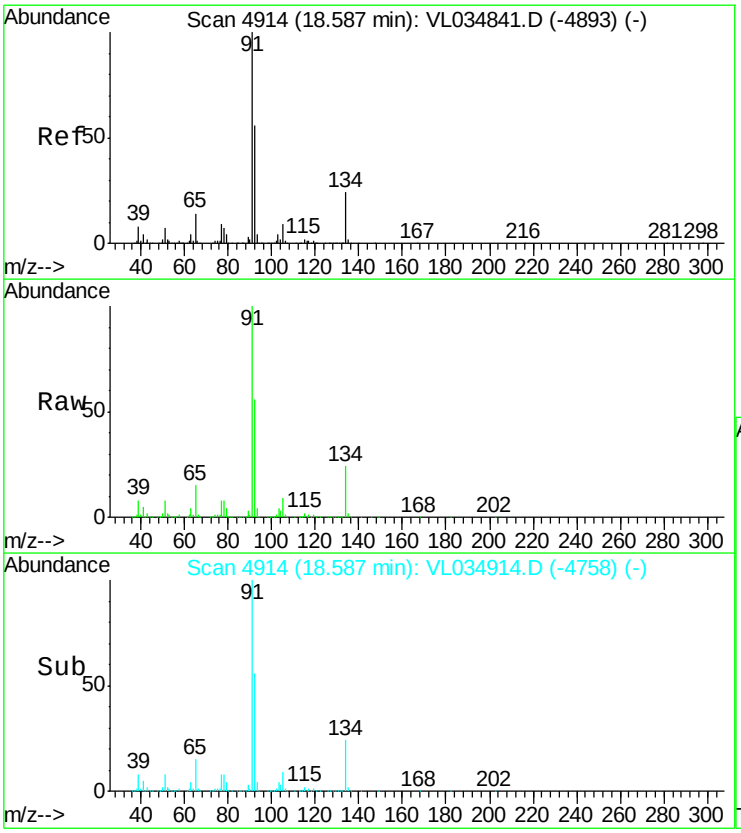
#69
p-Isopropyltoluene
Concen: 9.461 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3887524

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.4	23.4	35.2

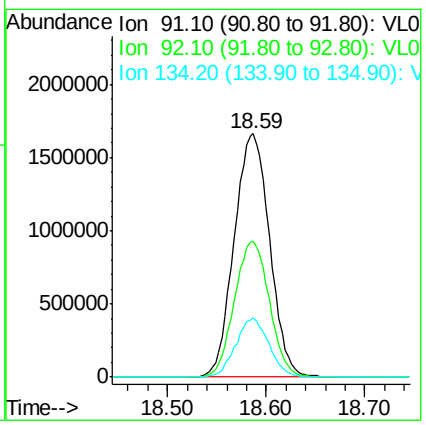


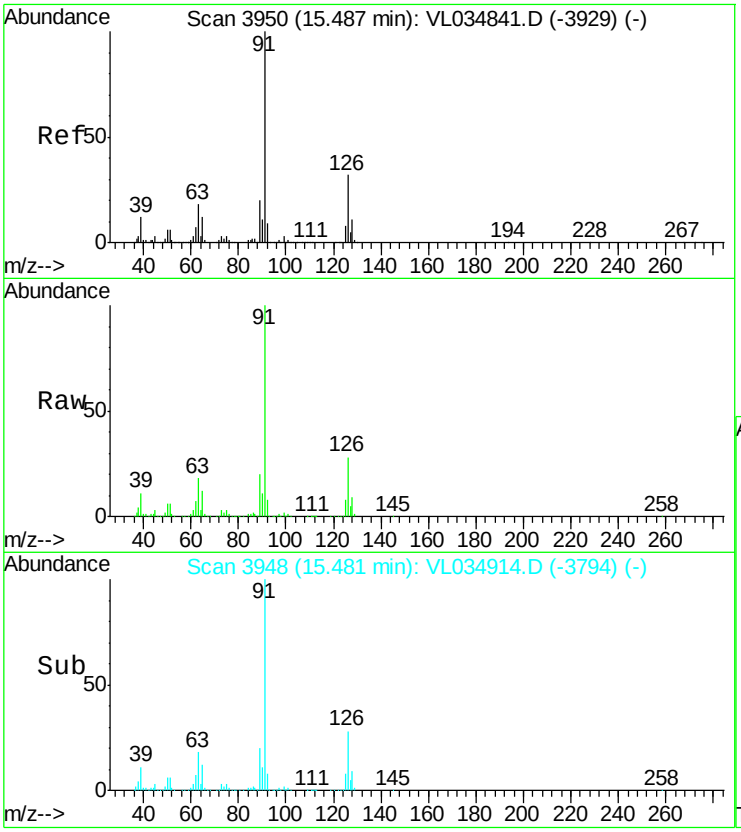


#70
n-Butylbenzene
Concen: 9.837 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 4123926

Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.6
134	22.7	19.0	28.4



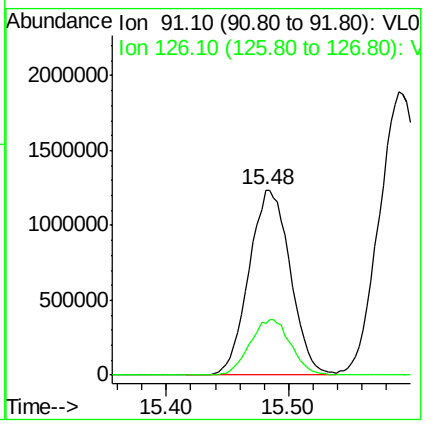


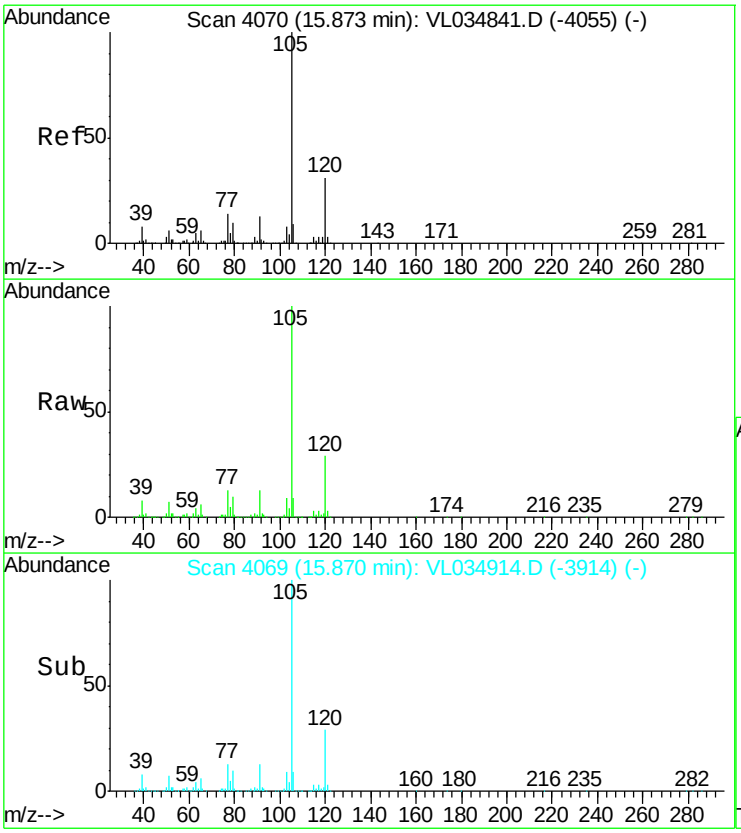
#71
2-Chlorotoluene
Concen: 9.492 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2906045

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.3	49.1

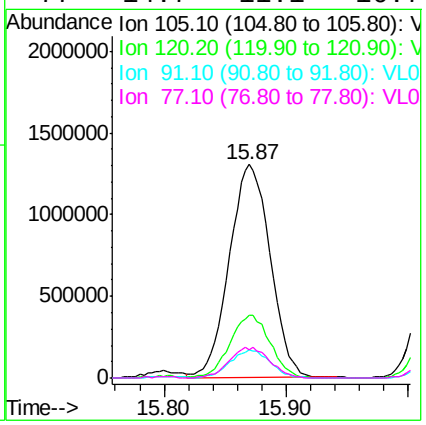


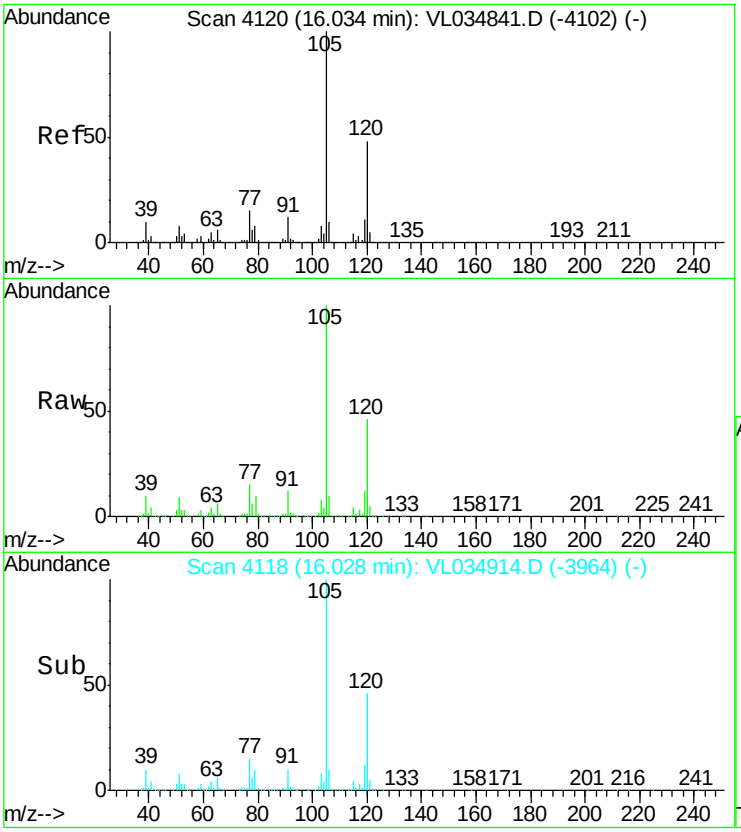


#72
4-Ethyltoluene
Concen: 9.590 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:105 Resp: 3027853

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.7	35.5
91	13.2	10.5	15.7
77	14.7	11.1	16.7



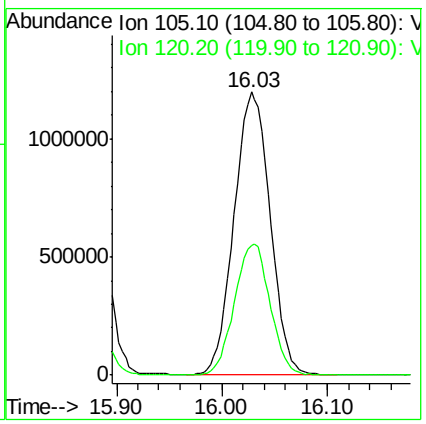


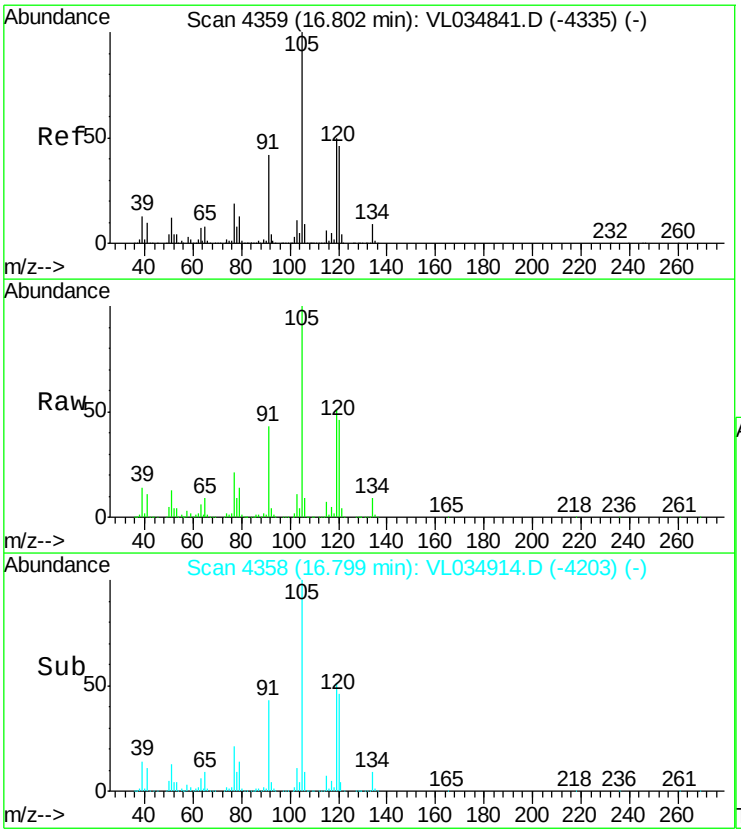
#73
1,3,5-Trimethylbenzene
Concen: 9.618 ppbv
RT: 16.03 min Scan# 4118
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2842877

Ion	Ratio	Lower	Upper
105	100		
120	45.7	38.6	58.0

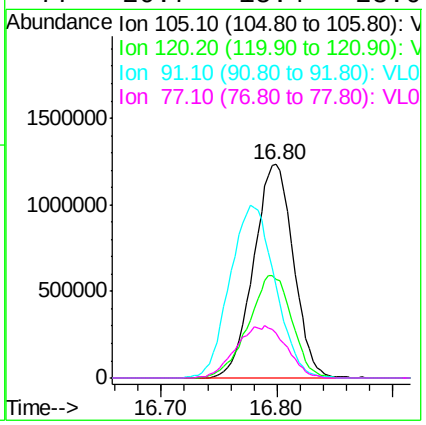


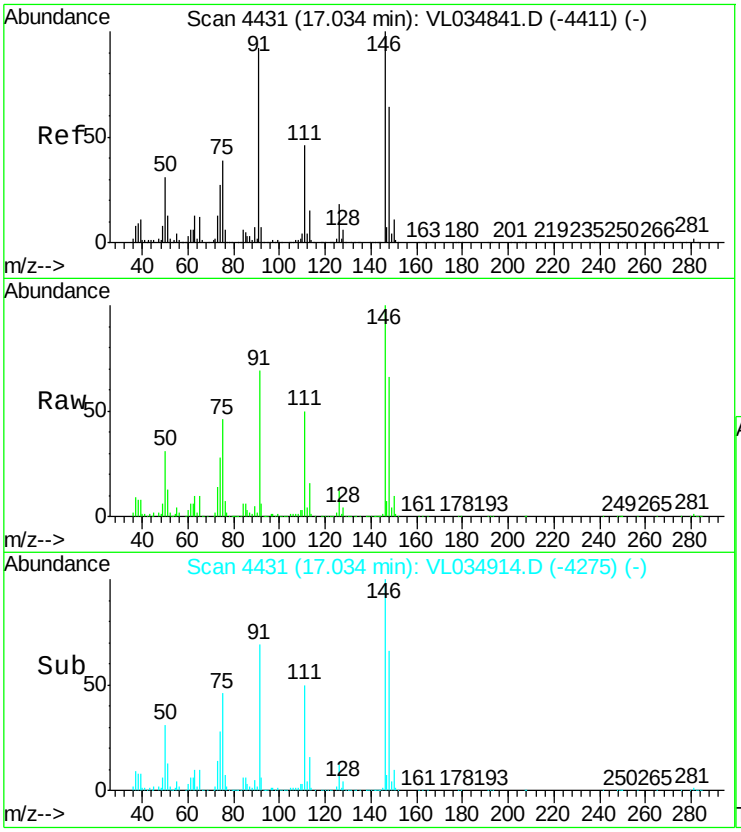


#74
1,2,4-Trimethylbenzene
Concen: 9.623 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:105 Resp: 2930132

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.0	55.4
91	42.7	33.8	50.6
77	20.7	15.4	23.0



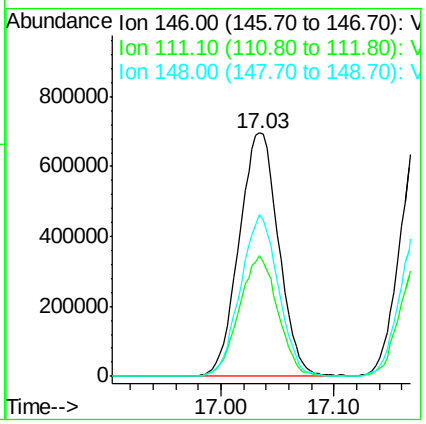


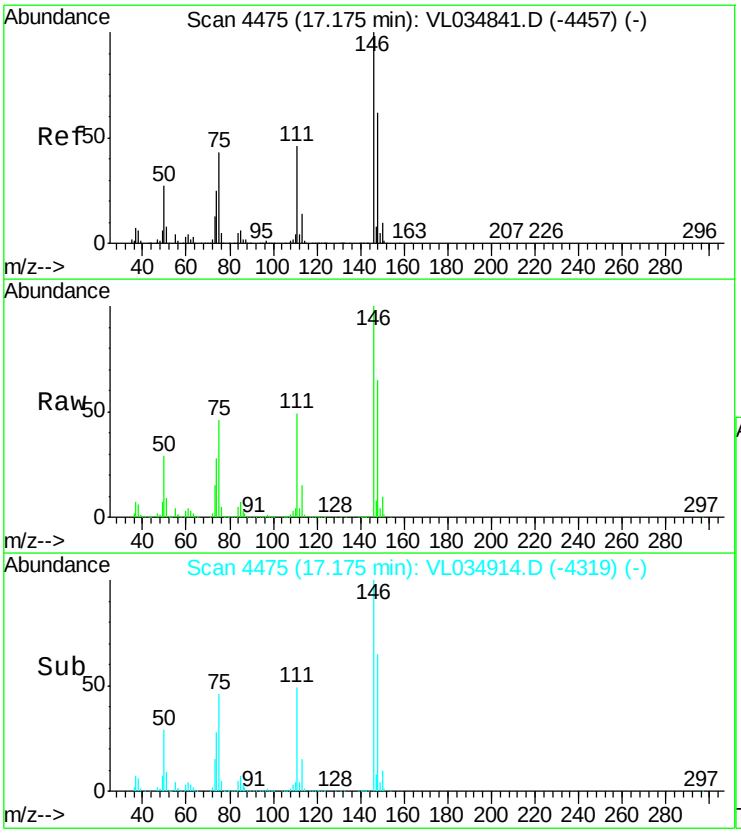
#75
1,3-Dichlorobenzene
Concen: 9.194 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1688138

Ion	Ratio	Lower	Upper
146	100		
111	48.3	23.9	71.7
148	64.0	32.5	97.5

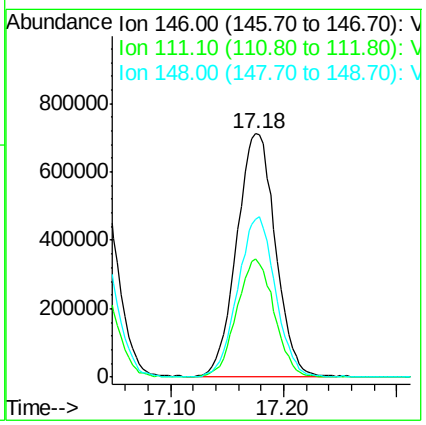


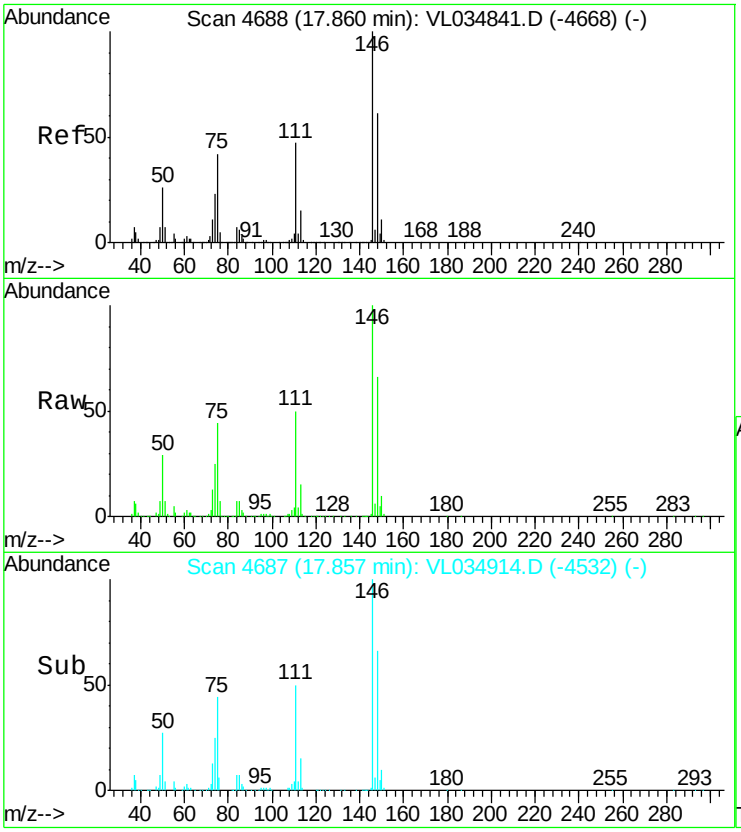


#76
1,4-Dichlorobenzene
Concen: 9.262 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:146 Resp: 1697086

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	64.3	32.3	96.9



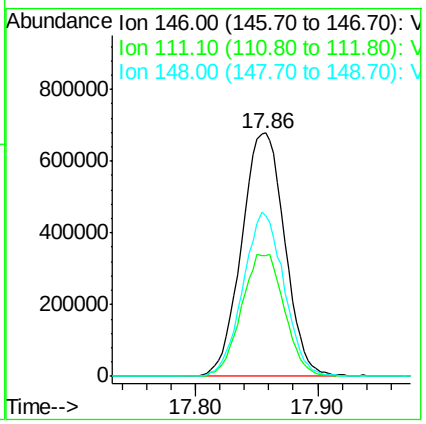


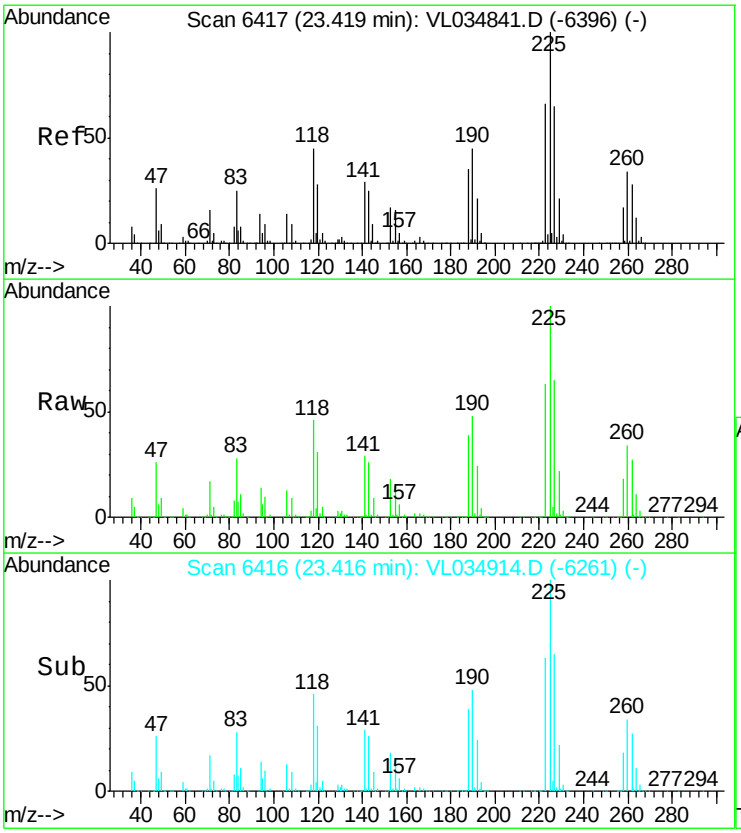
#77
1,2-Dichlorobenzene
Concen: 9.300 ppbv
RT: 17.86 min Scan# 4687
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1655212

Ion	Ratio	Lower	Upper
146	100		
111	50.0	23.8	71.4
148	64.2	31.6	94.8

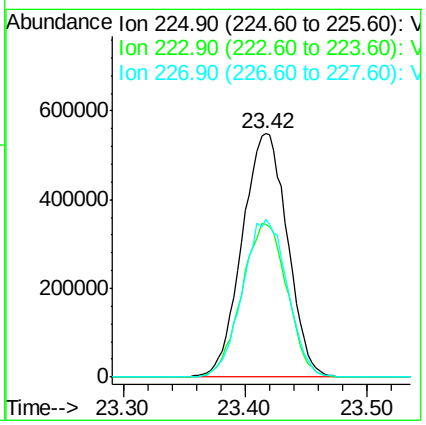


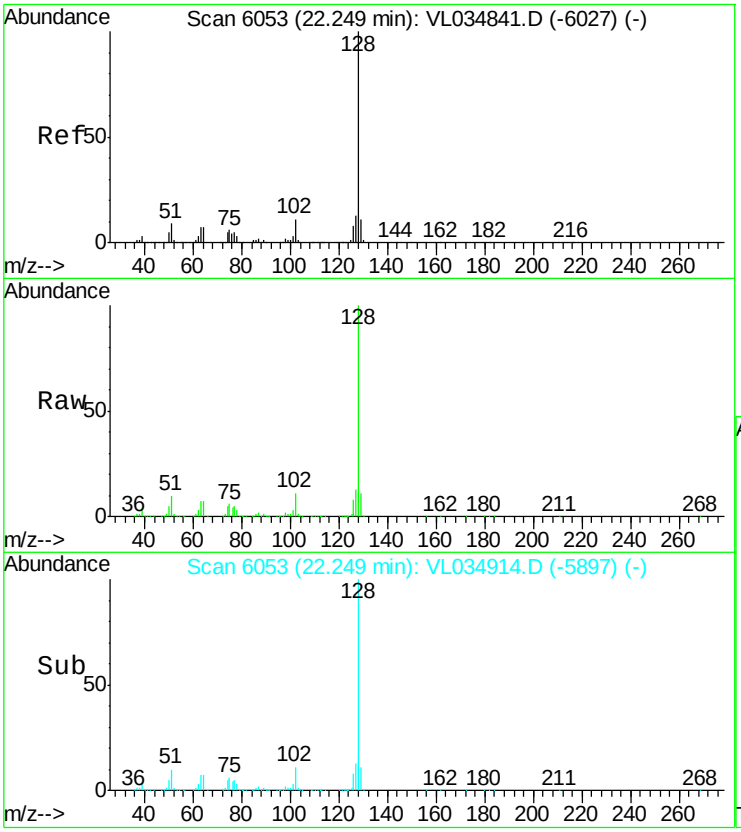


#78
Hexachloro-1,3-Butadiene
Concen: 9.466 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:225 Resp: 1407083

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.1	76.7
227	64.6	51.8	77.6



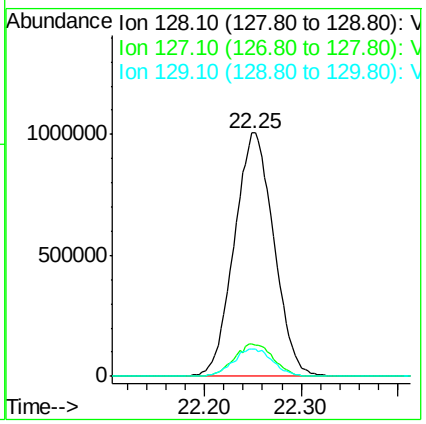


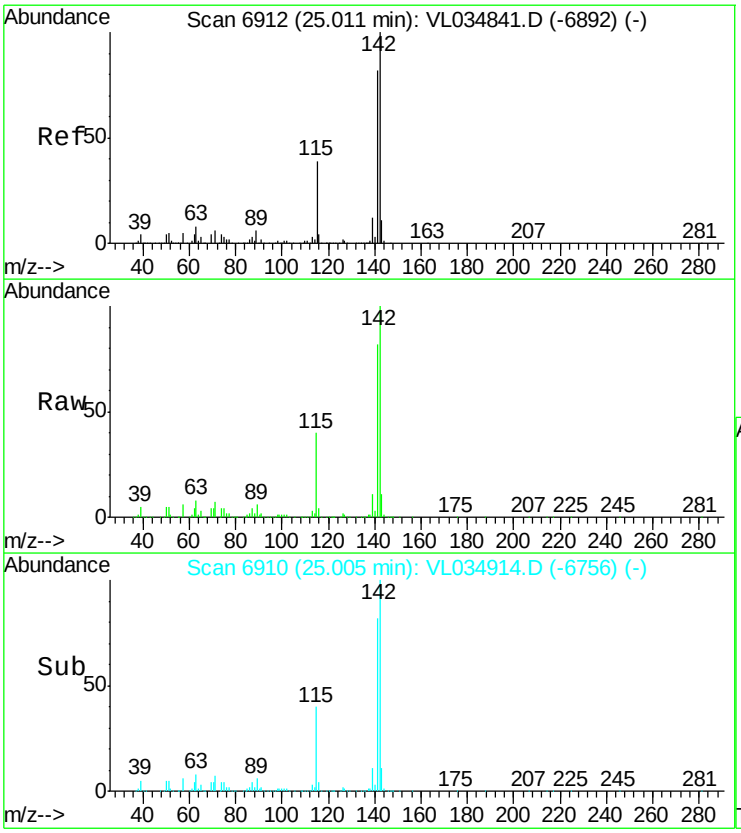
#79
Naphthalene
Concen: 12.022 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2854989

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.0	8.6	13.0

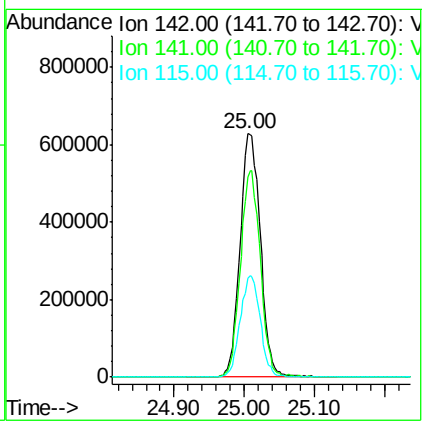


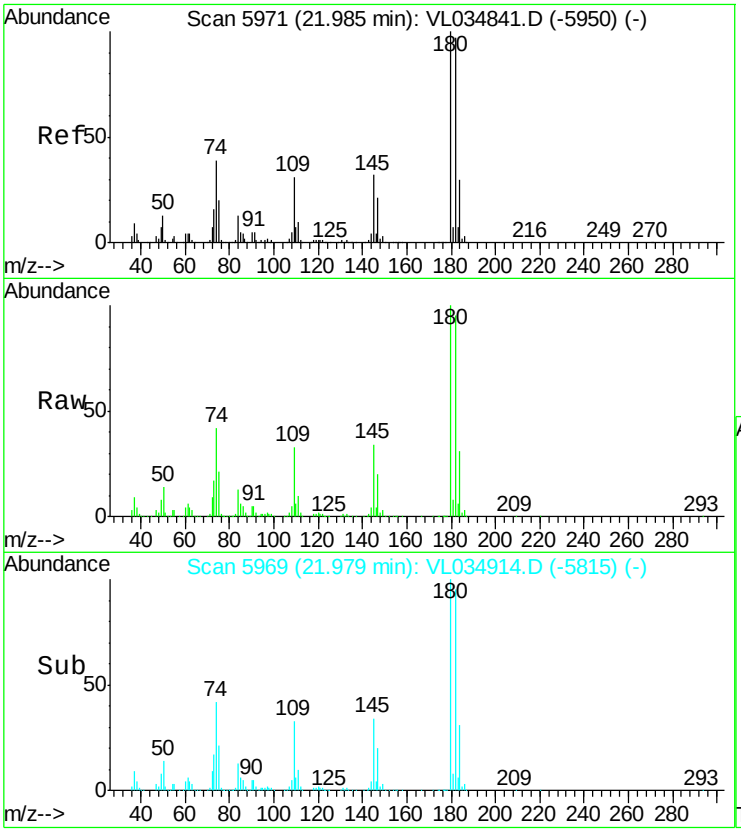


#80
Naphthalene,2-methyl-
Concen: 20.368 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:142 Resp: 1264007

Ion	Ratio	Lower	Upper
142	100		
141	83.1	68.9	103.3
115	41.4	33.2	49.8





#81
1,2,4-Trichlorobenzene
Concen: 10.907 ppbv
RT: 21.98 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1645528

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	31.0	25.0	37.4