Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034543.D
Acq On : 2 Jan 2020 11:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jan 03 01:09:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1001198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2039852	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2143187	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1744670	9.76	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1181970	7.486	ppbv	97
3) Chlorodifluoromethane	2.95	51	1093297	9.165	ppbv	99
4) Chloromethane	3.11	50	655563	9.252	ppbv	99
5) Vinyl Chloride	3.23	62	627119	9.038	ppbv	99
6) Bromomethane	3.45	94	332601	9.630	ppbv	100
7) Chloroethane	3.53	64	235087	9.723	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1457163	9.202	ppbv	98
9) Propene	2.98	41	446183	9.702	ppbv	100
10) Heptane	8.15	43	1188272	10.005	ppbv	100
11) Trichlorofluoromethane	3.93	101	1715112	9.387	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1128665	9.712	ppbv	98
13) Ethanol	3.58	45	120445	9.439	ppbv	98
14) Bromoethene	3.72	108	463960	9.871	ppbv	100
15) Acetone	3.83	43	1208037	8.268	ppbv	98
16) 1,3-Butadiene	3.30	39	559725	9.960	ppbv	99
17) tert-Butyl alcohol	4.28	59	1202211	10.275	ppbv	99
18) 1,1-Dichloroethene	4.27	96	497019	9.818	ppbv	97
19) Isopropyl Alcohol	3.95	45	957461	10.122	ppbv	100
20) Methylene Chloride	4.33	84	440468	7.661	ppbv	98
21) Allyl Chloride	4.40	41	839451	9.996	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	527307	10.241	ppbv	99
23) Vinyl Acetate	5.07	43	1697008	10.060	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1280661	9.450	ppbv	99
25) Ethyl Acetate	5.68	43	2174970	9.532	ppbv	100
26) Hexane	5.69	57	917592	9.543	ppbv	99
27) Carbon Disulfide	4.54	76	1312530	10.800	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1650754	10.279	ppbv	99
29) Chloroform	5.76	83	1567093	9.420	ppbv	97
30) Cyclohexane	7.14	84	733502	10.264	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	999571	10.202	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1628363	9.429	ppbv	100
34) 2-Butanone	5.24	43	1400537	9.608	ppbv	99
35) Carbon Tetrachloride	7.03	117	1727641	9.339	ppbv	100
36) Benzene	6.91	78	1751764	9.852	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1378866	9.549	ppbv	100
38) Trichloroethene	7.86	130	731411	10.183	ppbv	97
39) 1,2-Dichloropropane	7.64	63	716954	9.806	ppbv	98
40) 1,4-Dioxane	7.85	88	294898	9.965	ppbv #	99
41) Tetrahydrofuran	6.05	42	772304	10.328	ppbv	99
42) Bromodichloromethane	7.82	83	1733996	9.759	ppbv	97
43) Methyl Methacrylate	8.03	69	749055	10.327	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034543.D
Acq On : 2 Jan 2020 11:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jan 03 01:09:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3124764	9.500	ppbv		100
45) t-1,3-Dichloropropene	9.31	75	1056194	11.304	ppbv		99
46) cis-1,3-Dichloropropene	8.73	75	1178162	11.031	ppbv		97
47) 1,1,2-Trichloroethane	9.51	97	757660	9.400	ppbv		95
48) Dibromochloromethane	10.34	129	1460995	10.456	ppbv		99
49) Bromoform	13.09	173	1296130	10.247	ppbv		100
50) 4-Methyl-2-Pentanone	8.76	43	2061382	9.742	ppbv		100
51) 2-Hexanone	10.16	43	1722935	10.087	ppbv	#	100
52) Tetrachloroethene	11.26	164	666162	9.600	ppbv		95
53) Toluene	9.84	91	2028214	10.382	ppbv		100
54) 1,2-Dibromoethane	10.65	107	1158194	9.875	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.17	131	966307	9.340	ppbv		98
57) Chlorobenzene	12.19	112	1607017	9.089	ppbv		97
58) Ethyl Benzene	12.75	91	2833545	9.803	ppbv		96
59) m/p-Xylene	13.04	91	2590715	10.250	ppbv	#	32
60) o-Xylene	13.74	91	2402254	9.472	ppbv		100
61) Styrene	13.58	104	1742318	10.048	ppbv		100
62) Isopropylbenzene	14.72	105	3098928	9.341	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1676680	8.241	ppbv		100
64) n-propylbenzene	15.61	120	796318	9.400	ppbv		95
65) tert-Butylbenzene	16.80	119	2803668	9.354	ppbv		100
66) Benzyl Chloride	17.05	91	1409499	10.730	ppbv		100
67) sec-Butylbenzene	17.35	105	3815121	9.064	ppbv		100
69) p-Isopropyltoluene	17.71	119	3183603	9.326	ppbv		99
70) n-Butylbenzene	18.61	91	3362311	9.128	ppbv		100
71) 2-Chlorotoluene	15.51	91	2404259	9.332	ppbv		99
72) 4-Ethyltoluene	15.89	105	2679326	9.441	ppbv		100
73) 1,3,5-Trimethylbenzene	16.05	105	2631024	9.449	ppbv		96
74) 1,2,4-Trimethylbenzene	16.82	105	2742183	9.206	ppbv	#	91
75) 1,3-Dichlorobenzene	17.06	146	1548532	8.680	ppbv		98
76) 1,4-Dichlorobenzene	17.20	146	1541875	8.977	ppbv		99
77) 1,2-Dichlorobenzene	17.88	146	1468578	8.759	ppbv		99
78) Hexachloro-1,3-Butadiene	23.44	225	1362479	8.561	ppbv		100
79) Naphthalene	22.28	128	2503115	11.157	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	1366267	21.984	ppbv	#	93
81) 1,2,4-Trichlorobenzene	22.00	180	1497525	10.252	ppbv		99

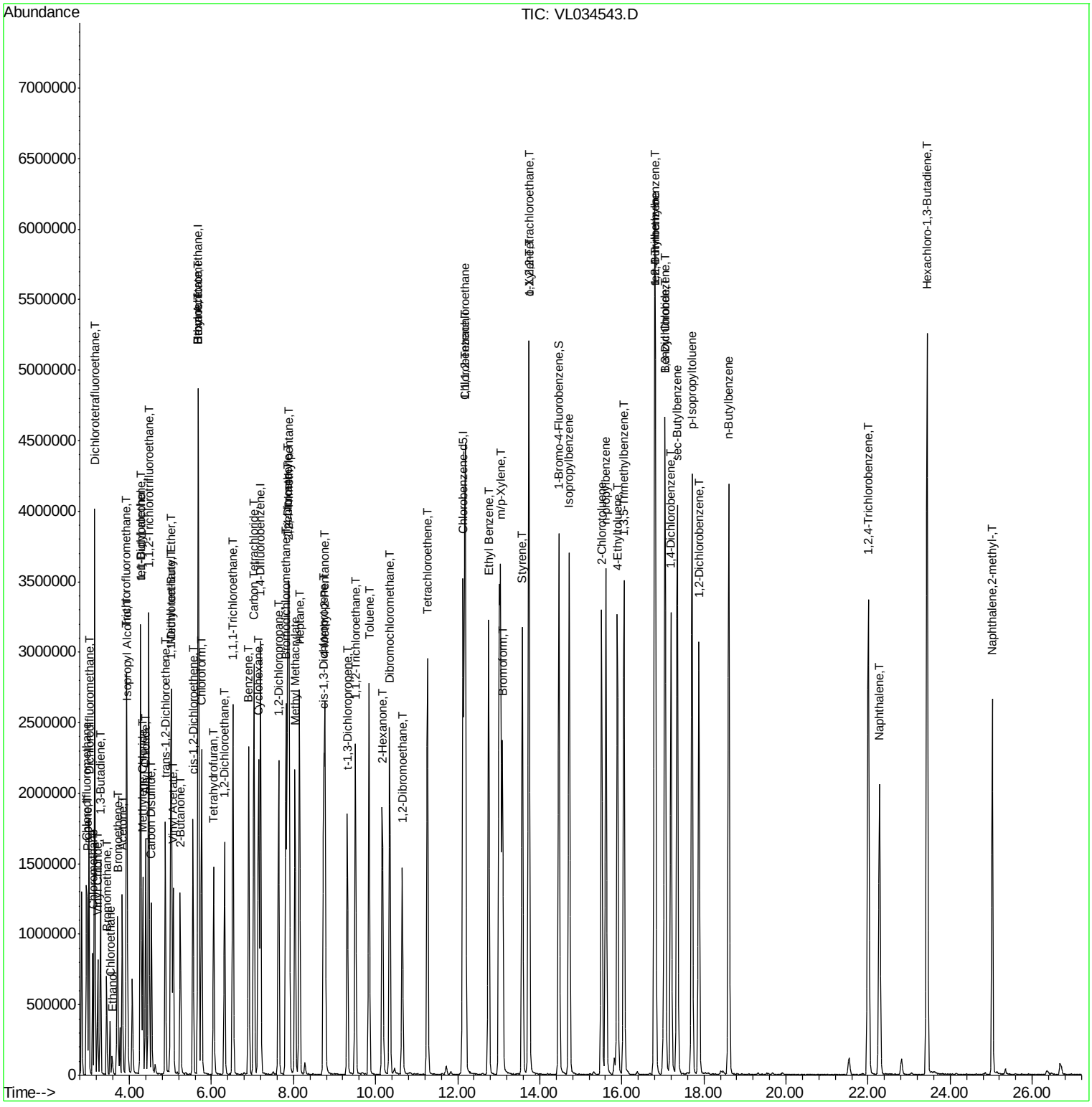
(#) = qualifier out of range (m) = manual integration (+) = signals summed

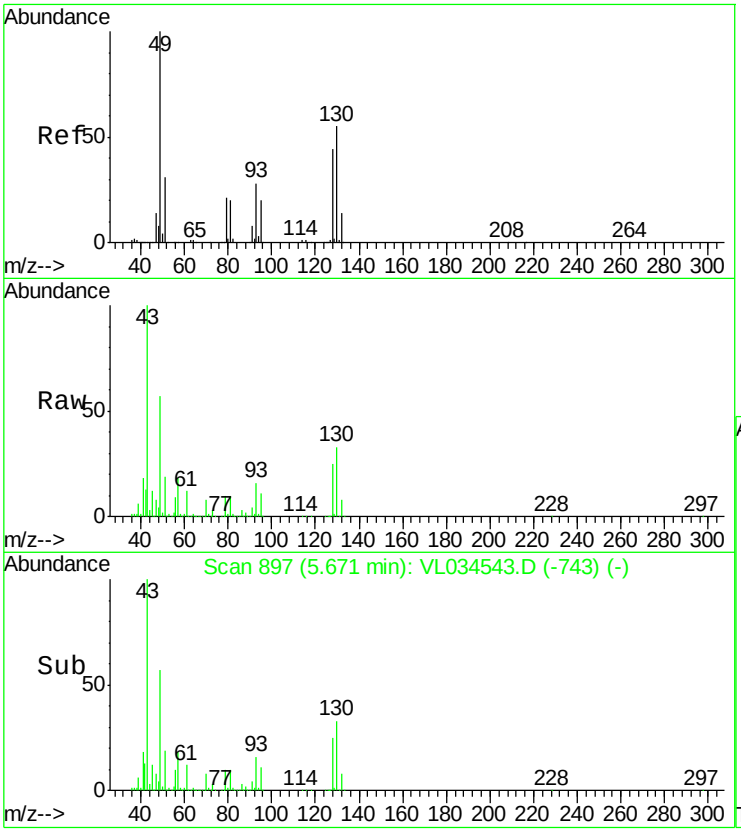
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034543.D
Acq On : 2 Jan 2020 11:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jan 03 01:09:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration



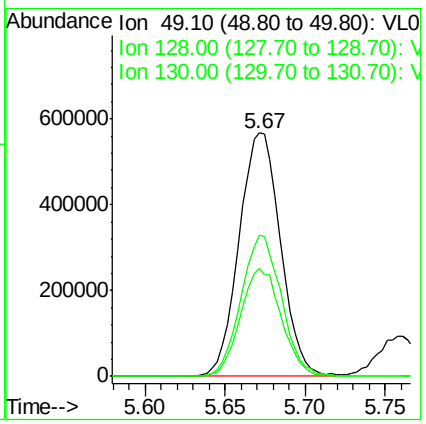


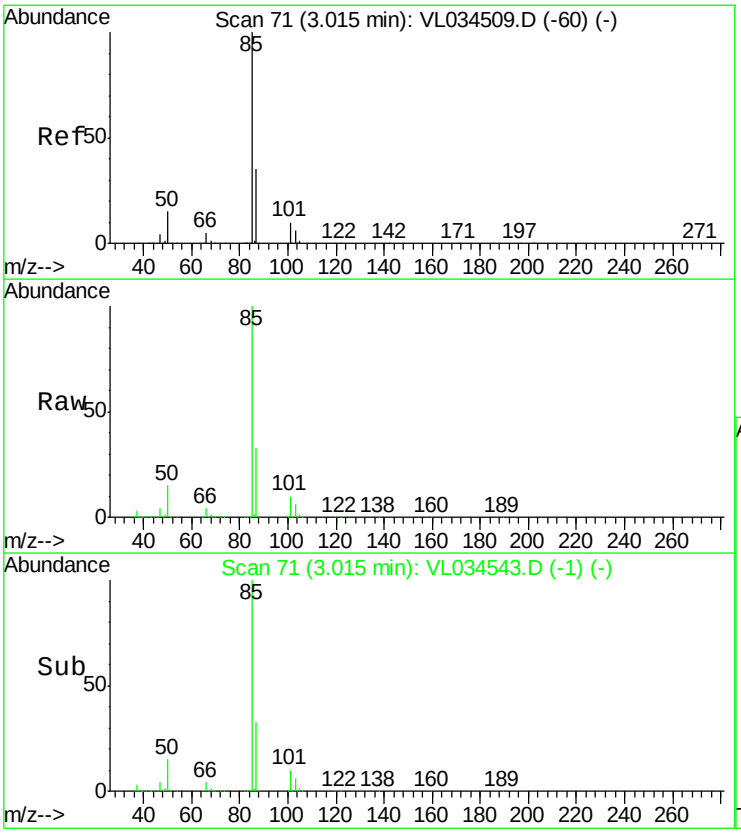
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1001198

Ion	Ratio	Lower	Upper
49	100		
128	43.7	22.4	67.2
130	56.8	28.3	85.0

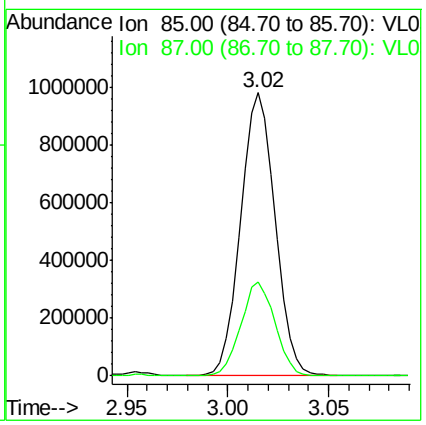


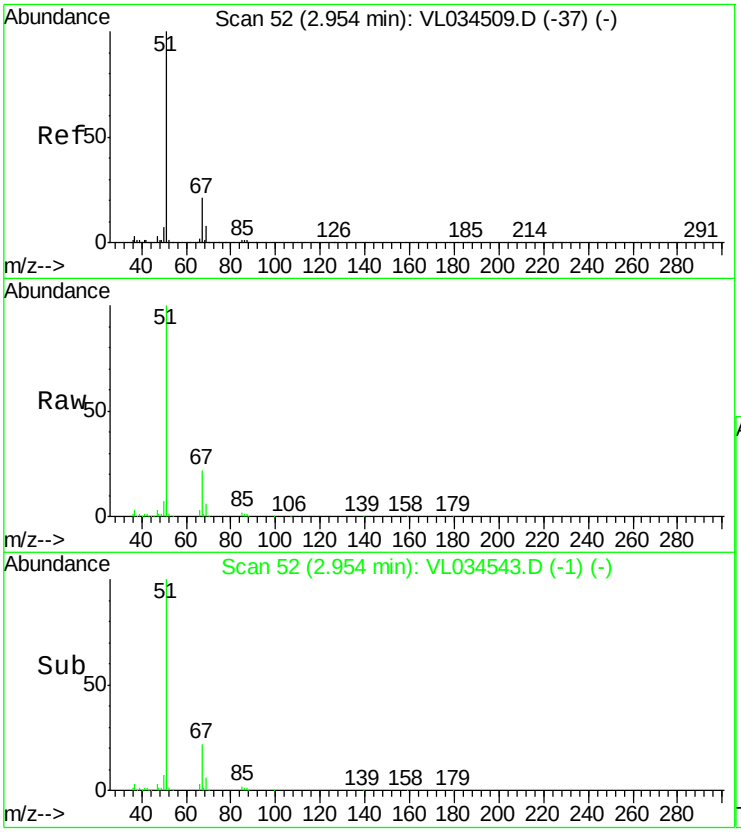


#2
Dichlorodifluoromethane
Concen: 7.486 ppbv
RT: 3.02 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 85 Resp: 1181970

Ion	Ratio	Lower	Upper
85	100		
87	33.4	27.9	41.9



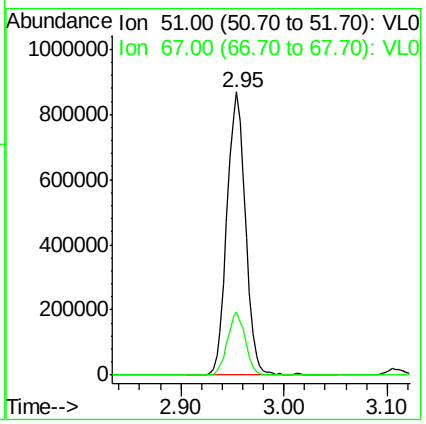


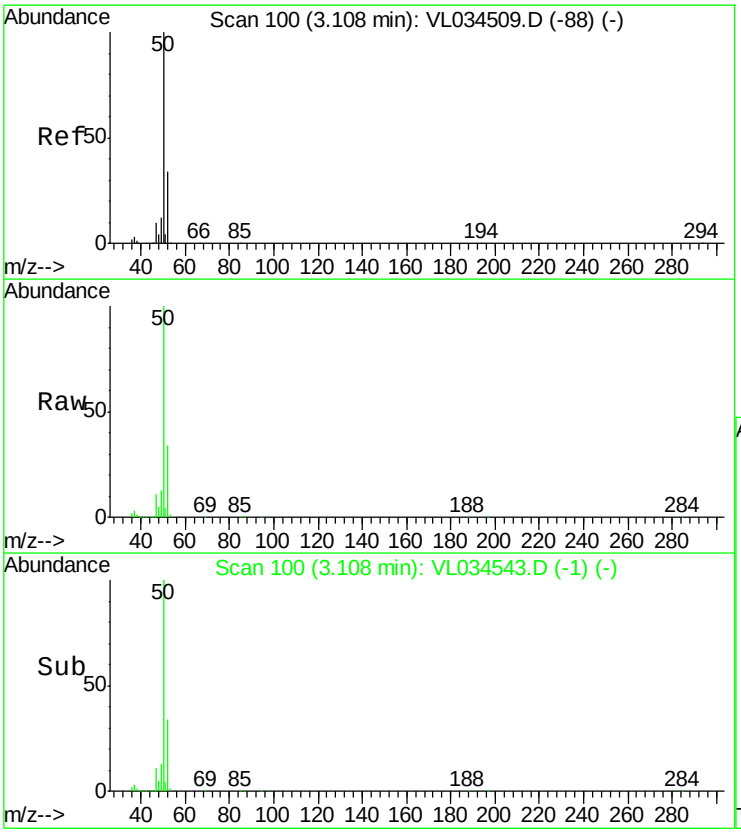
#3
Chlorodifluoromethane
Concen: 9.165 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1093297

Ion	Ratio	Lower	Upper
51	100		
67	21.5	16.8	25.2

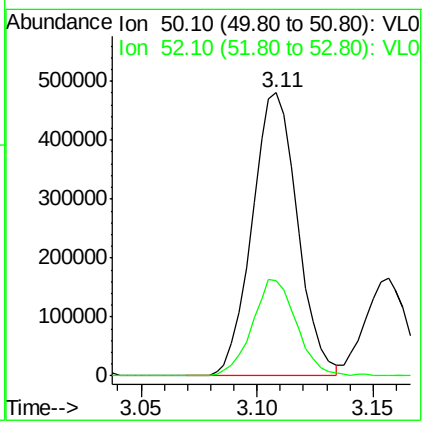


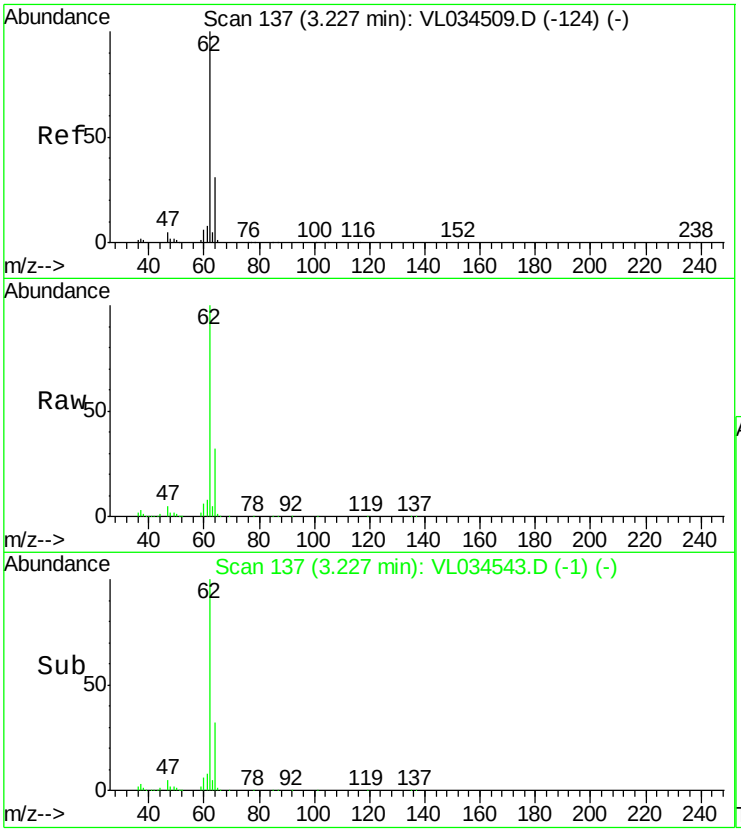


#4
Chloromethane
Concen: 9.252 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 50 Resp: 655563

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.6	41.4



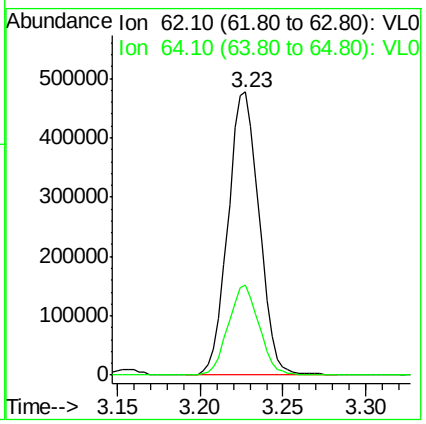


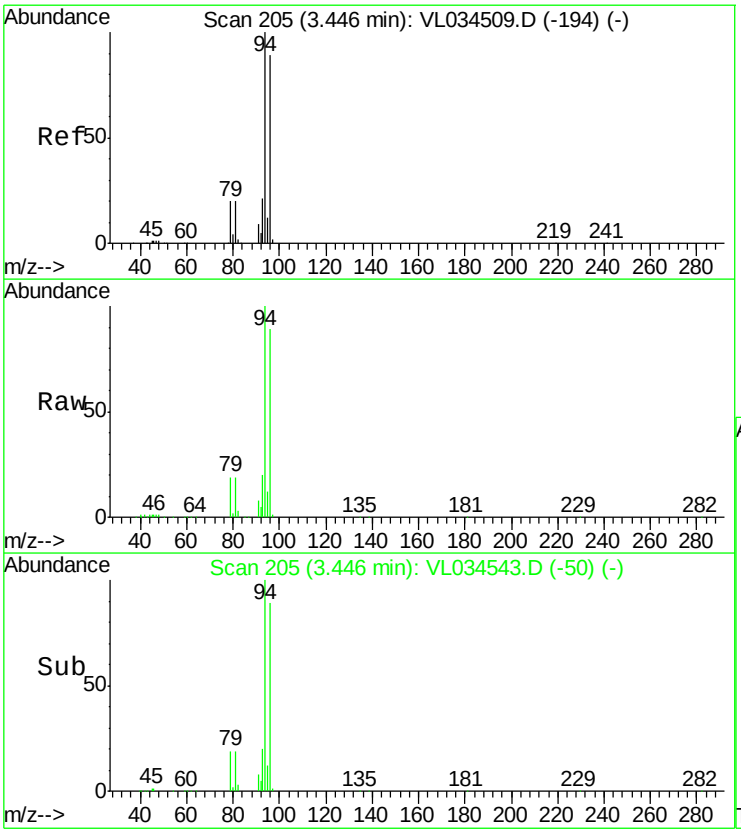
#5
Vinyl Chloride
Concen: 9.038 ppbv
RT: 3.23 min Scan# 137
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 627119

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.9	37.3

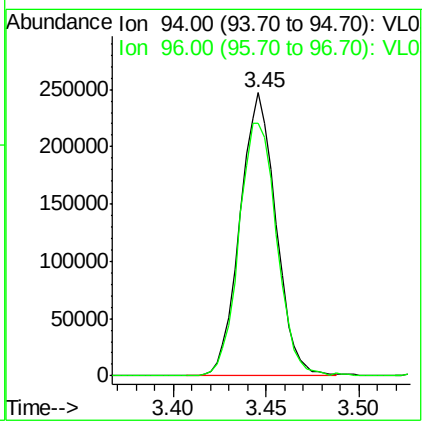


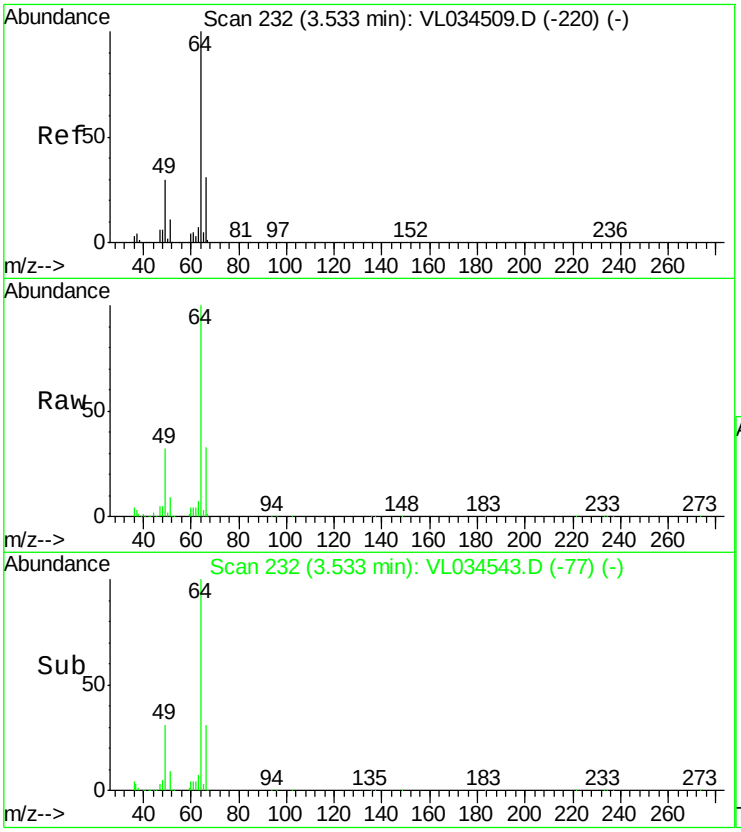


#6
Bromomethane
Concen: 9.630 ppbv
RT: 3.45 min Scan# 205
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 94 Resp: 332601

Ion	Ratio	Lower	Upper
94	100		
96	89.4	71.2	106.8



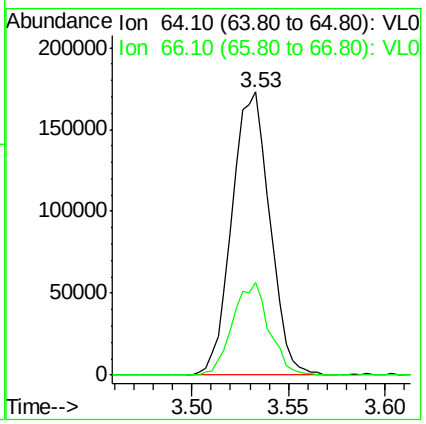


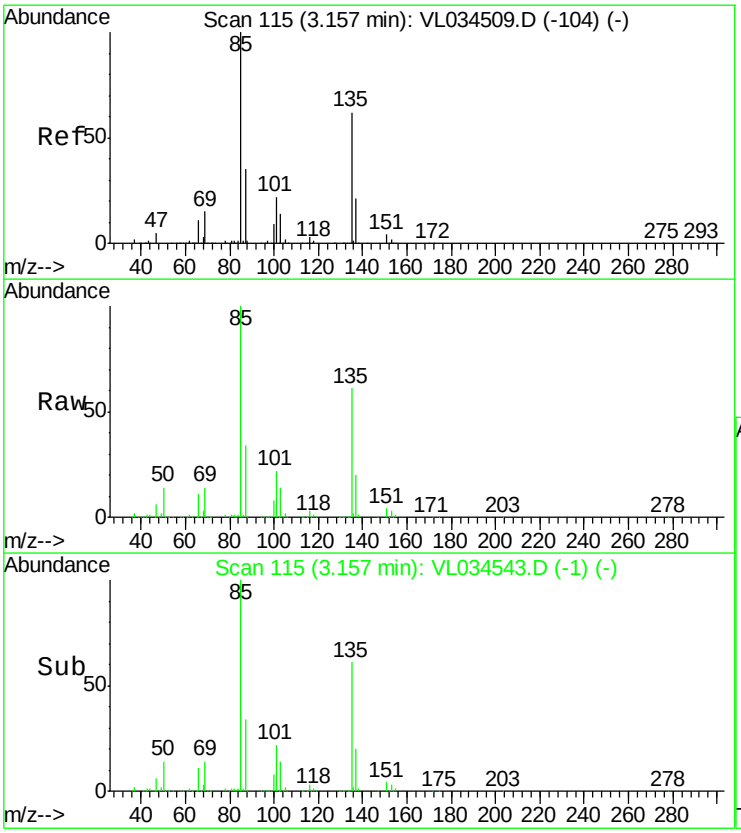
#7
Chloroethane
Concen: 9.723 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 235087

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.0	37.4

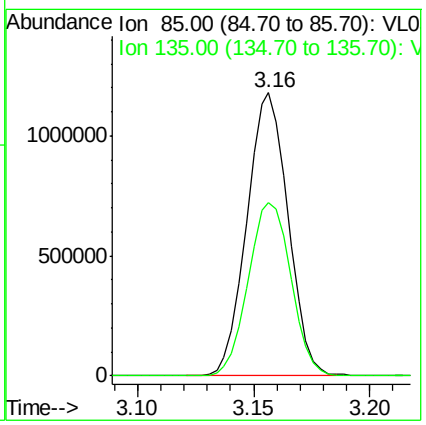


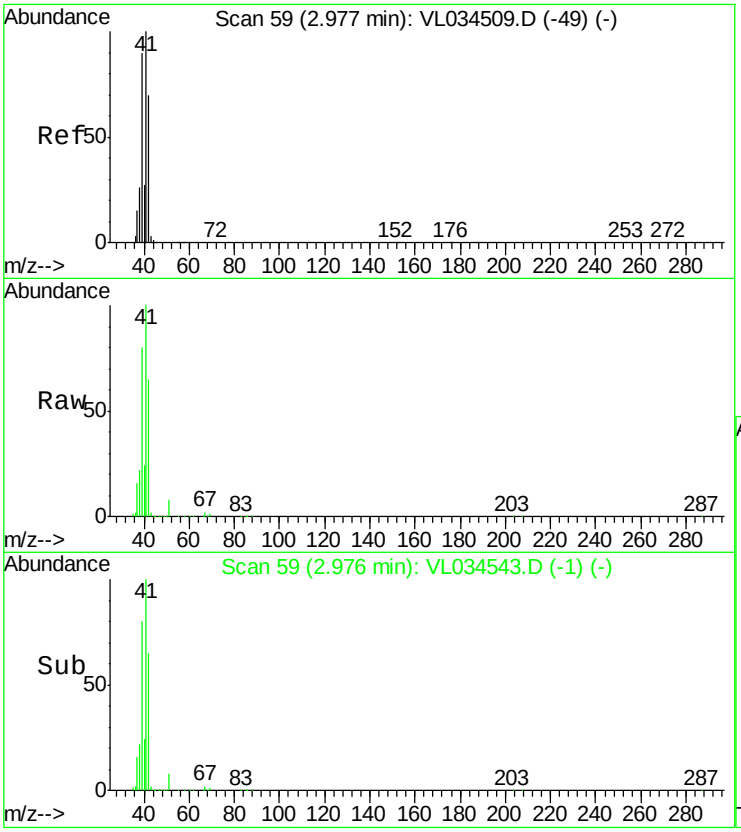


#8
Dichlorotetrafluoroethane
Concen: 9.202 ppbv
RT: 3.16 min Scan# 115
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 85 Resp: 1457163

Ion	Ratio	Lower	Upper
85	100		
135	63.5	51.8	77.8



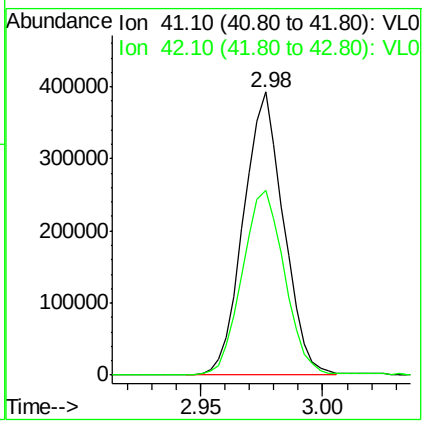


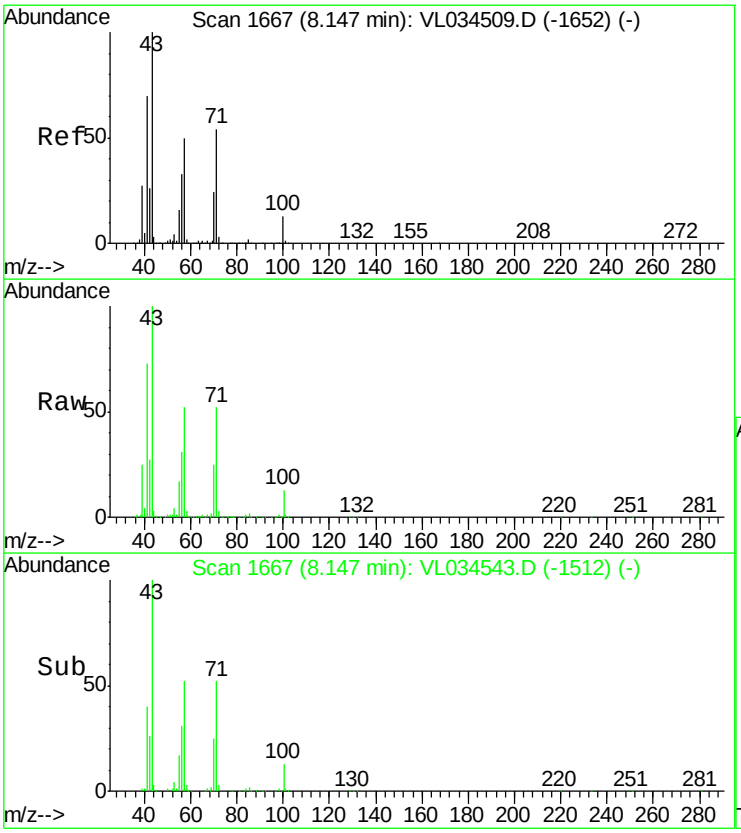
#9
Propene
Concen: 9.702 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 446183

Ion	Ratio	Lower	Upper
41	100		
42	70.1	55.8	83.6

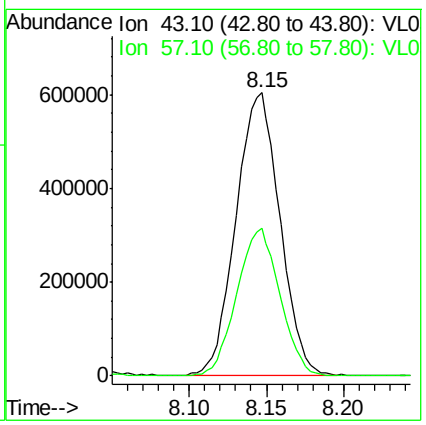


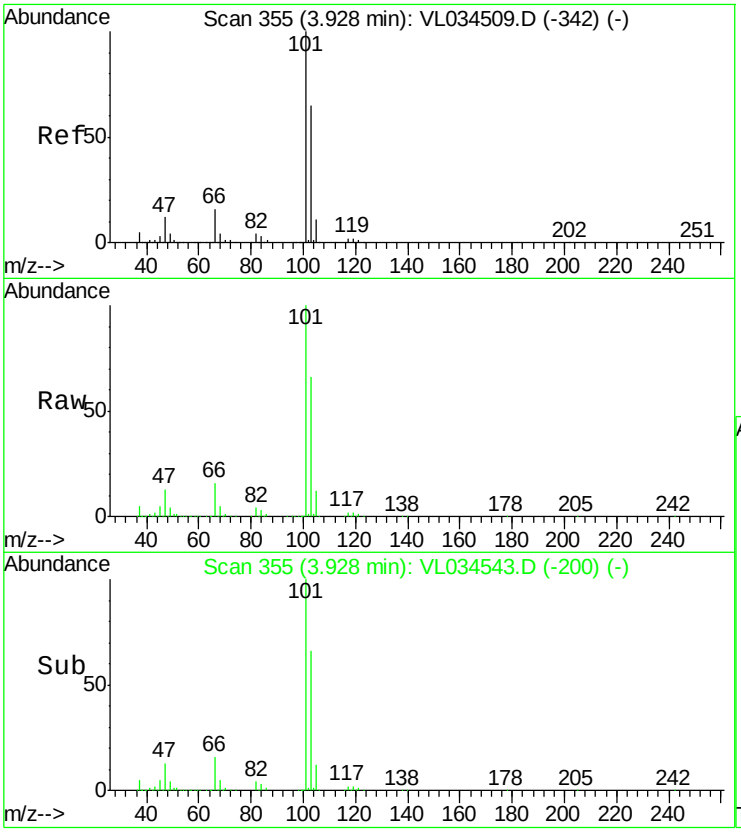


#10
Heptane
Concen: 10.005 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 43 Resp: 1188272

Ion	Ratio	Lower	Upper
43	100		
57	51.2	41.0	61.6



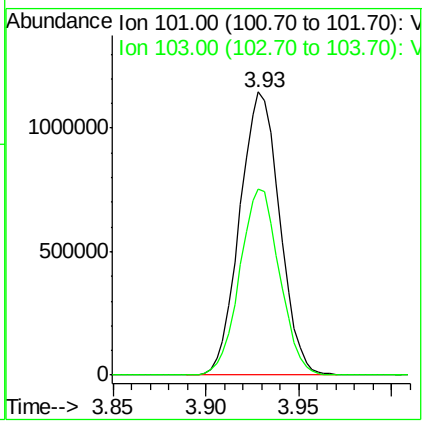


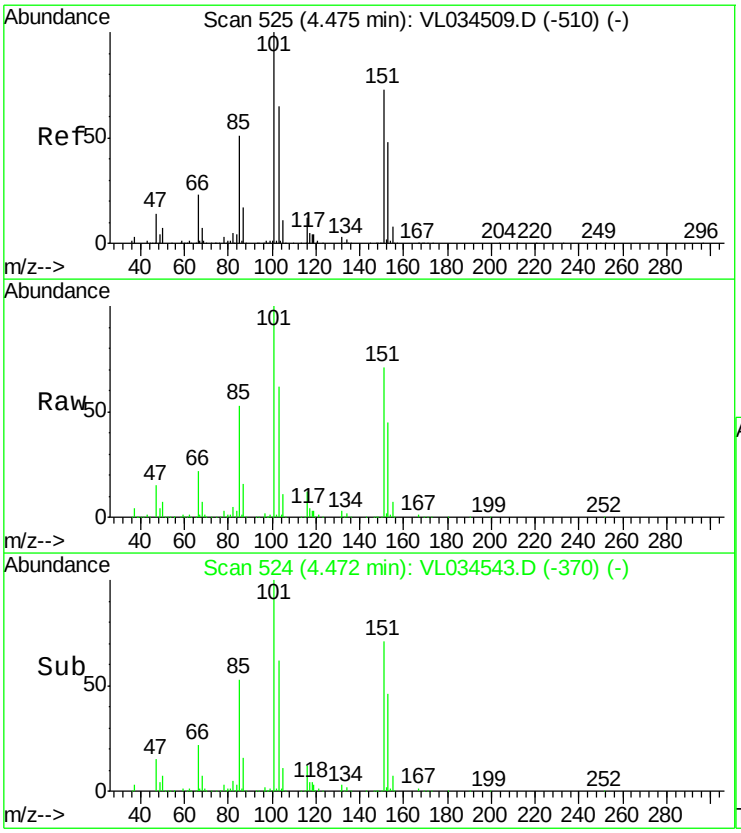
#11
Trichlorofluoromethane
Concen: 9.387 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1715112

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.1	78.1

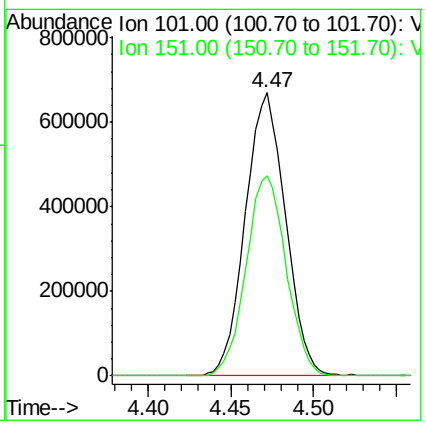


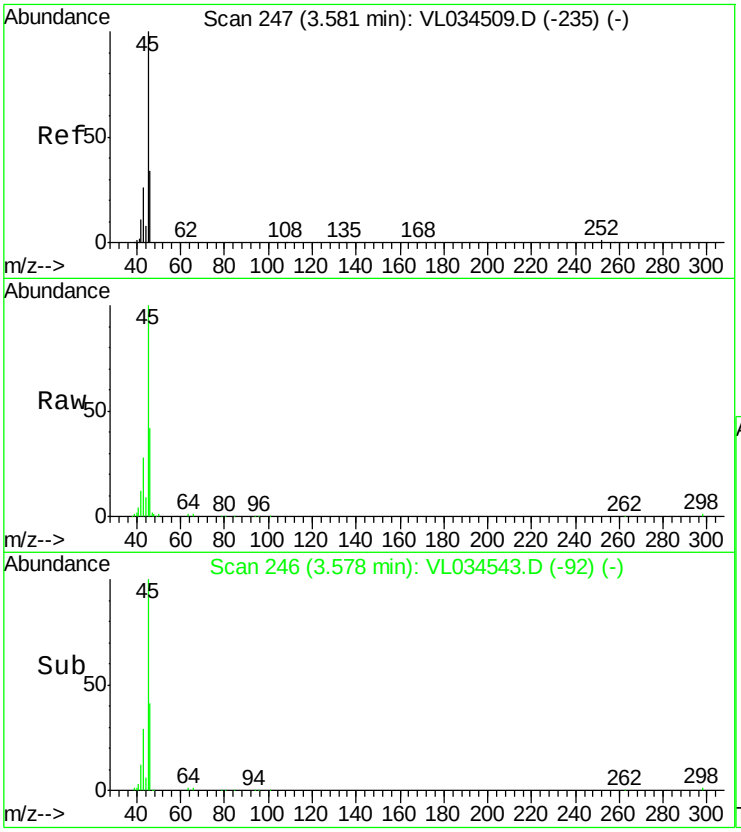


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.712 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:101 Resp: 1128665

Ion	Ratio	Lower	Upper
101	100		
151	70.8	57.8	86.6



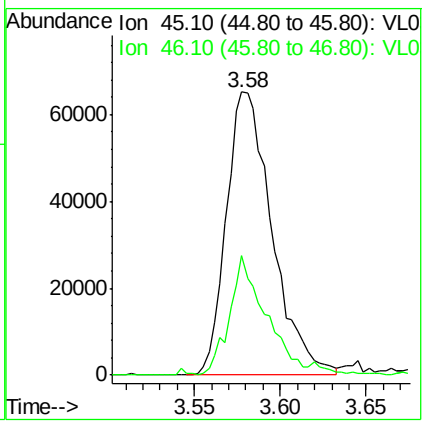


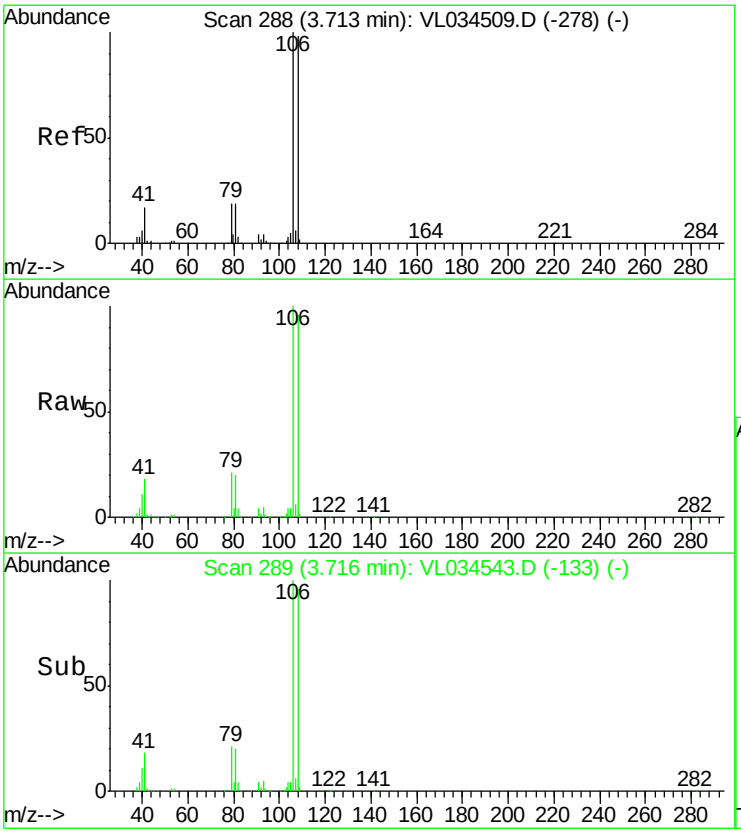
#13
Ethanol
Concen: 9.439 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 120445

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.9	59.7

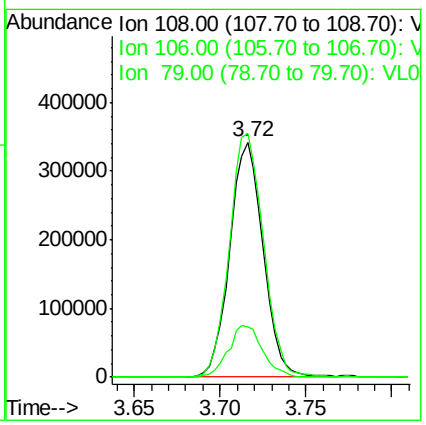


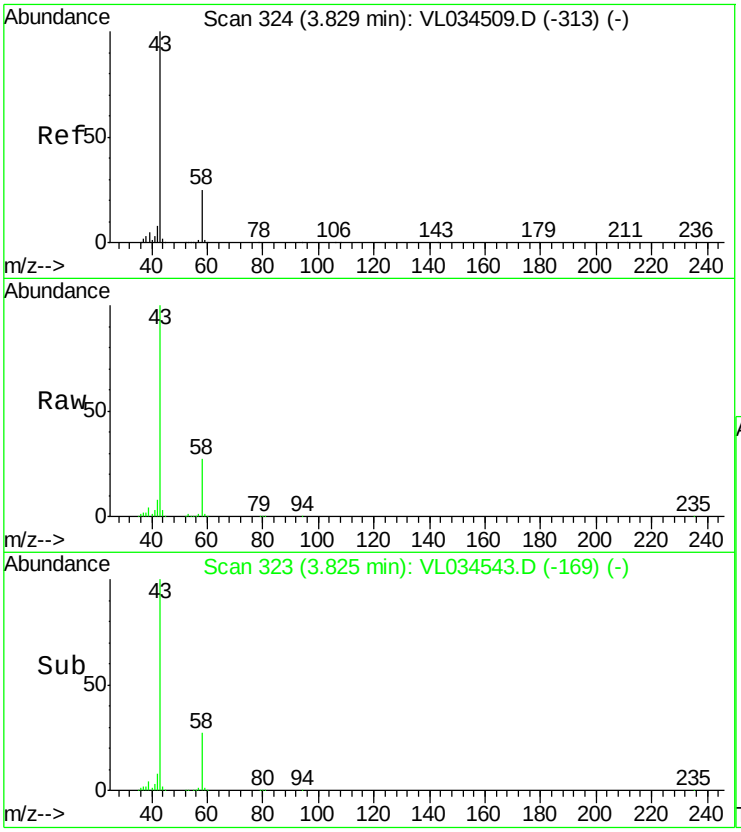


#14
Bromoethene
Concen: 9.871 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:108 Resp: 463960

Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.2	127.8
79	22.6	17.4	26.2



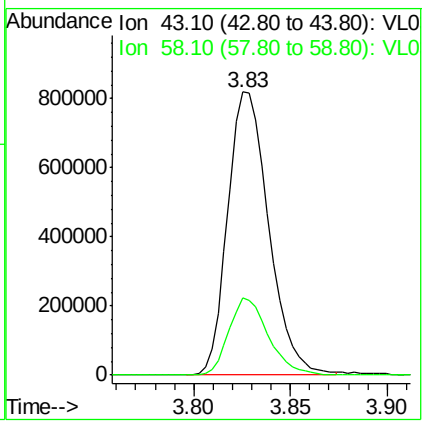


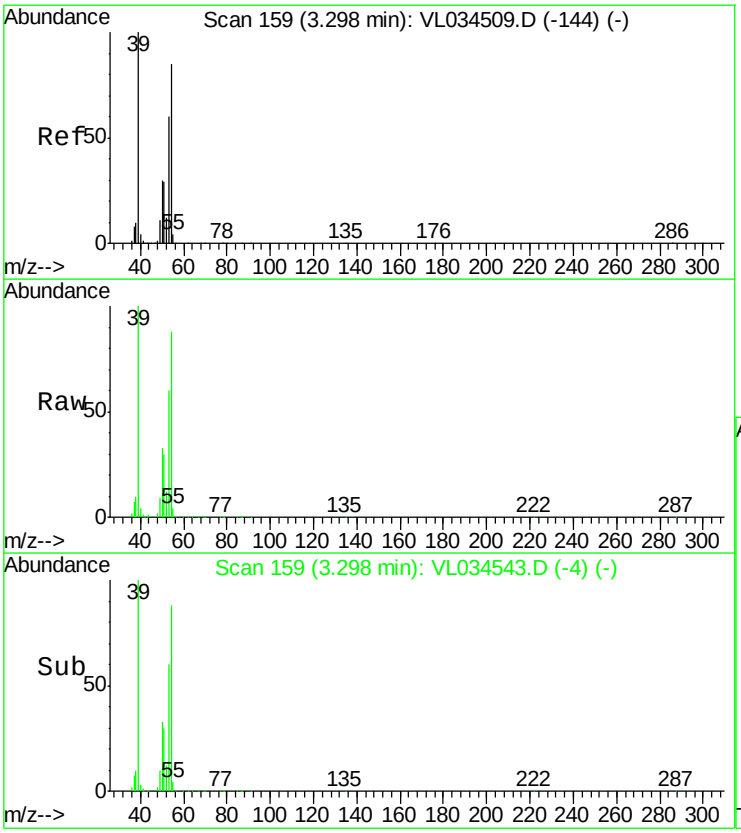
#15
Acetone
Concen: 8.268 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1208037

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.4	30.6

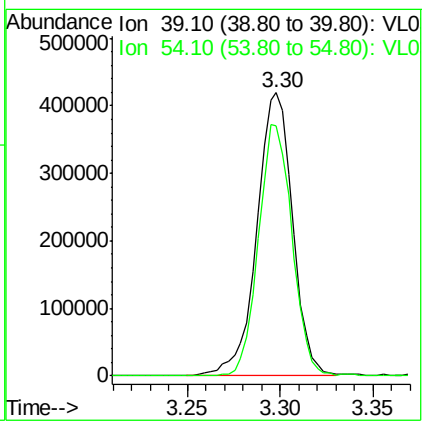


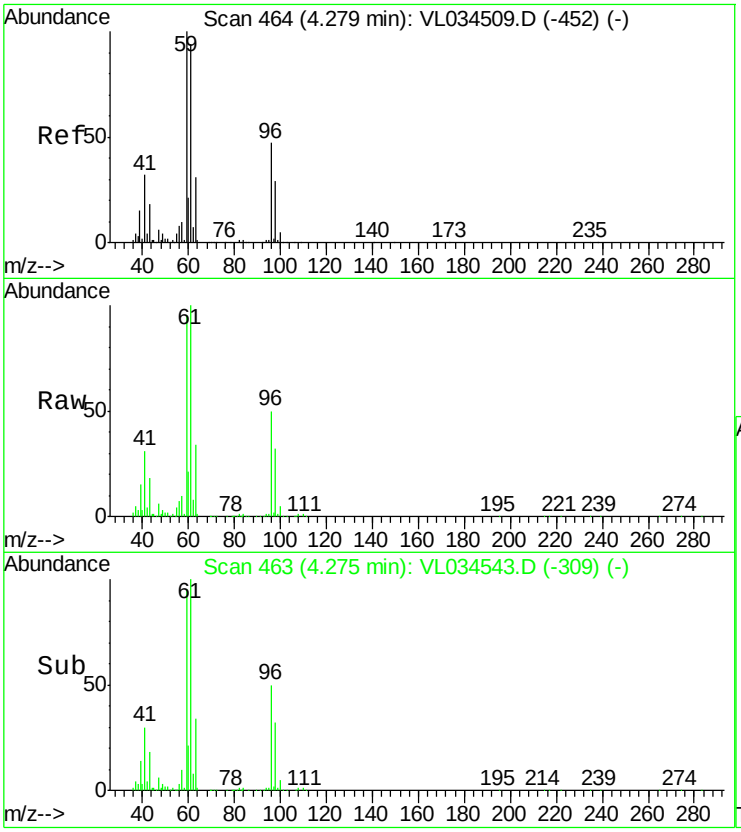


#16
1,3-Butadiene
Concen: 9.960 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 39 Resp: 559725

Ion	Ratio	Lower	Upper
39	100		
54	83.8	66.2	99.2



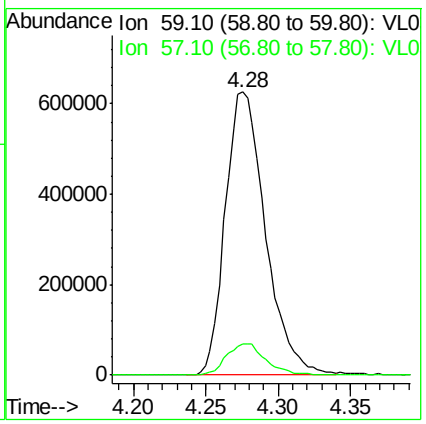


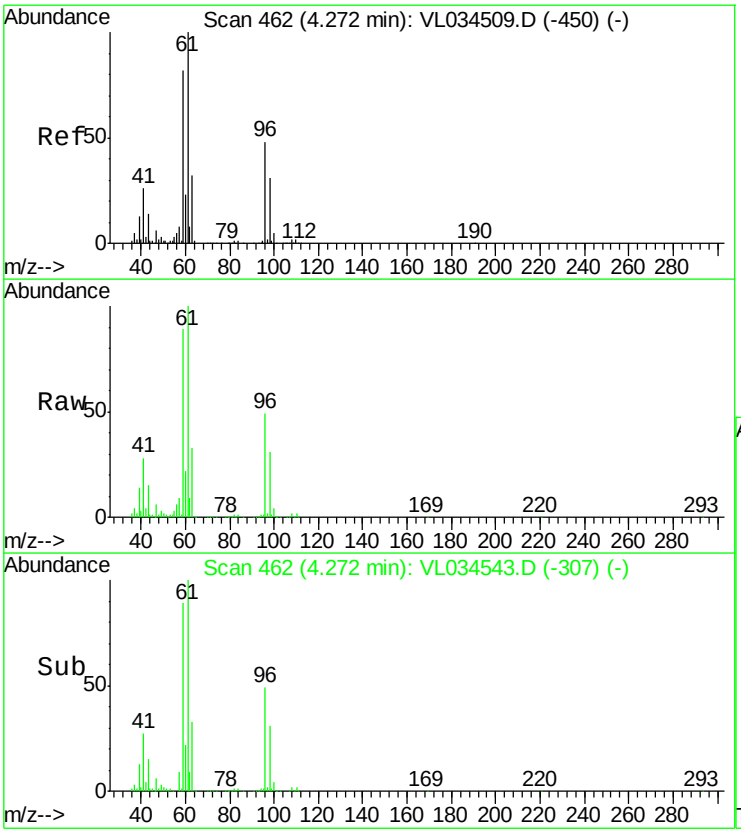
#17
tert-Butyl alcohol
Concen: 10.275 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 1202211

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

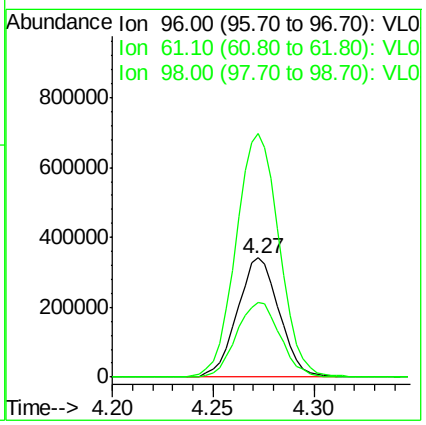


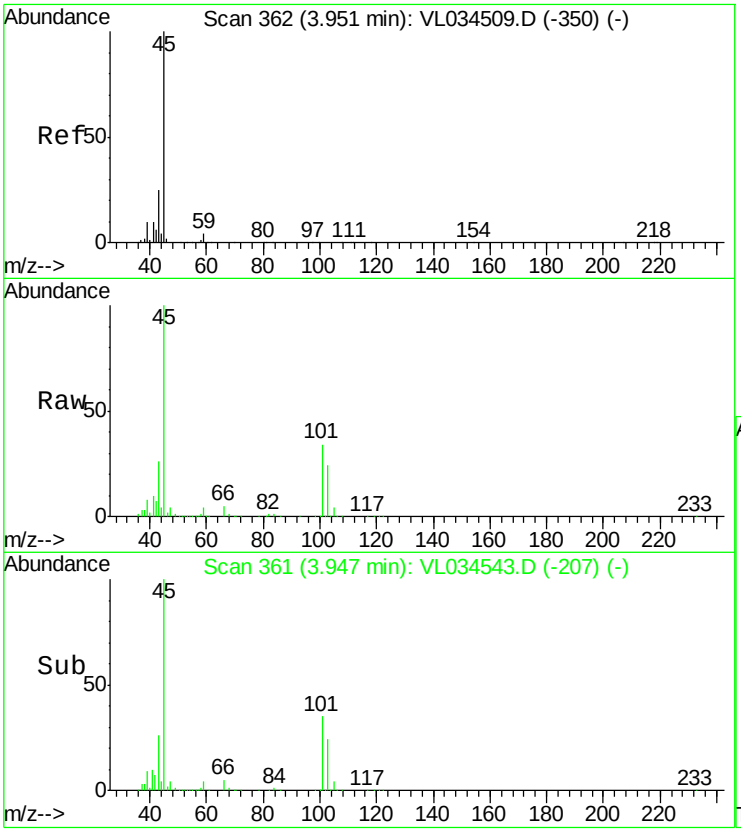


#18
1,1-Dichloroethene
Concen: 9.818 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 96 Resp: 497019

Ion	Ratio	Lower	Upper
96	100		
61	203.7	165.9	248.9
98	62.6	51.9	77.9



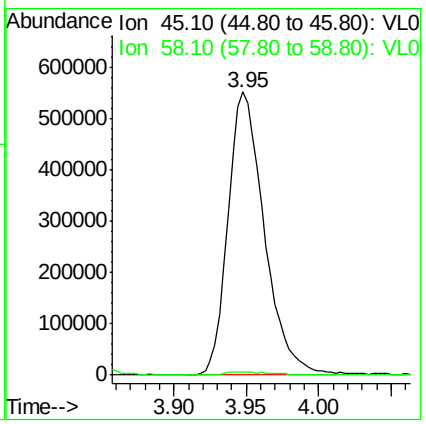


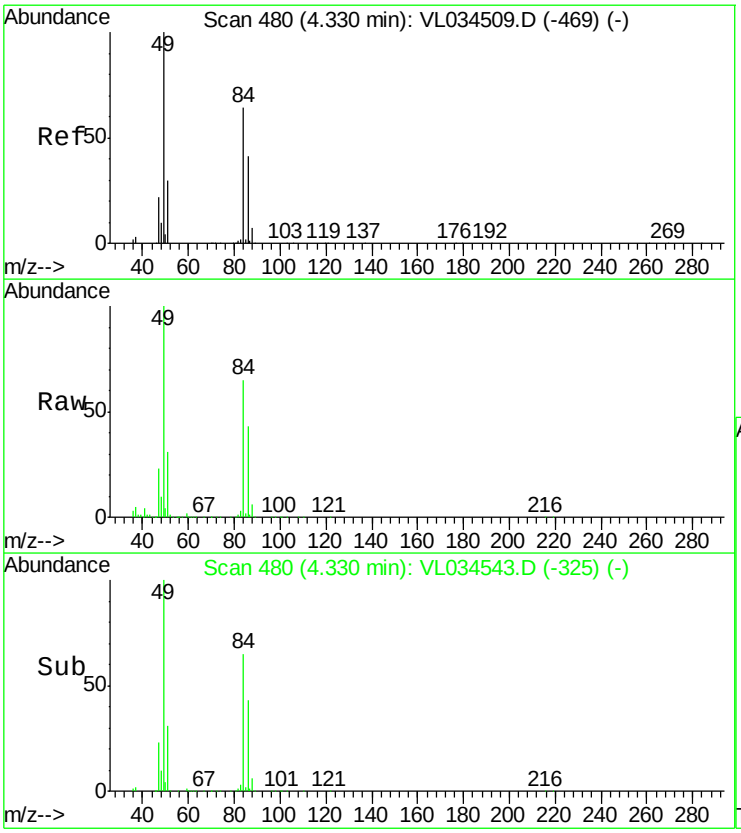
#19
Isopropyl Alcohol
Concen: 10.122 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 957461

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.0

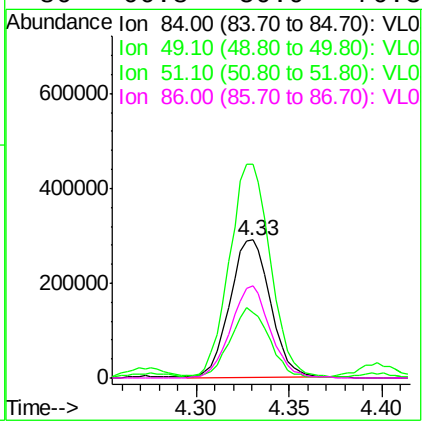


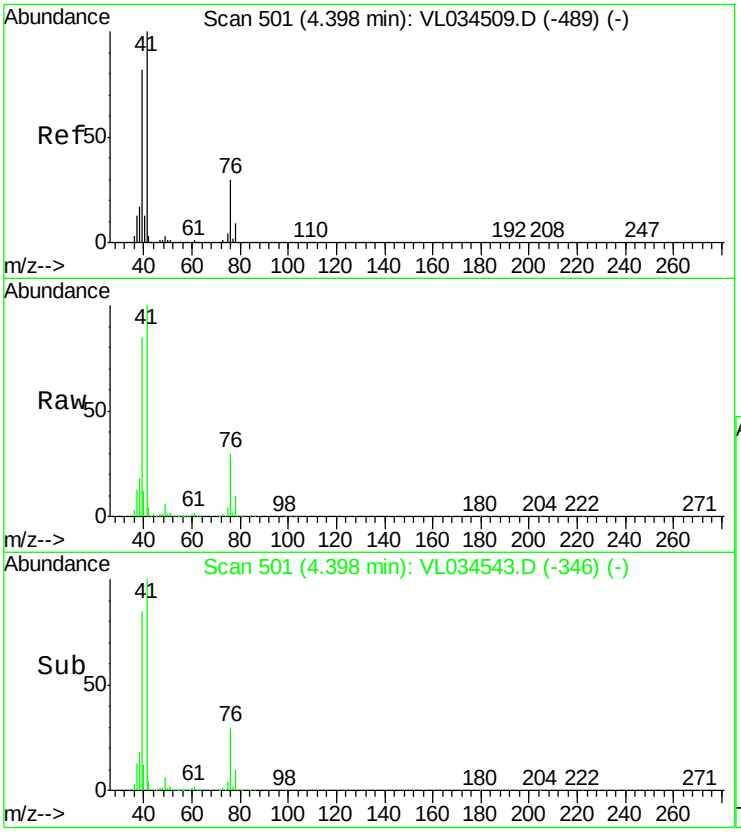


#20
Methylene Chloride
Concen: 7.661 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 84 Resp: 440468

Ion	Ratio	Lower	Upper
84	100		
49	153.8	124.4	186.6
51	47.0	37.0	55.6
86	66.8	50.9	76.3



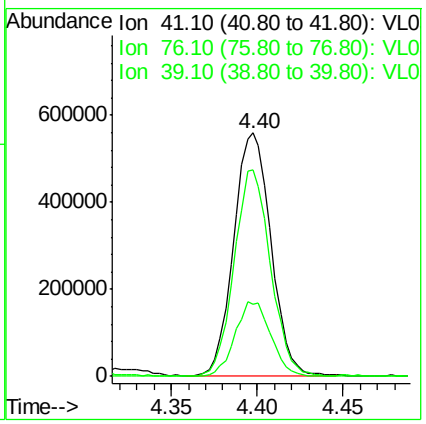


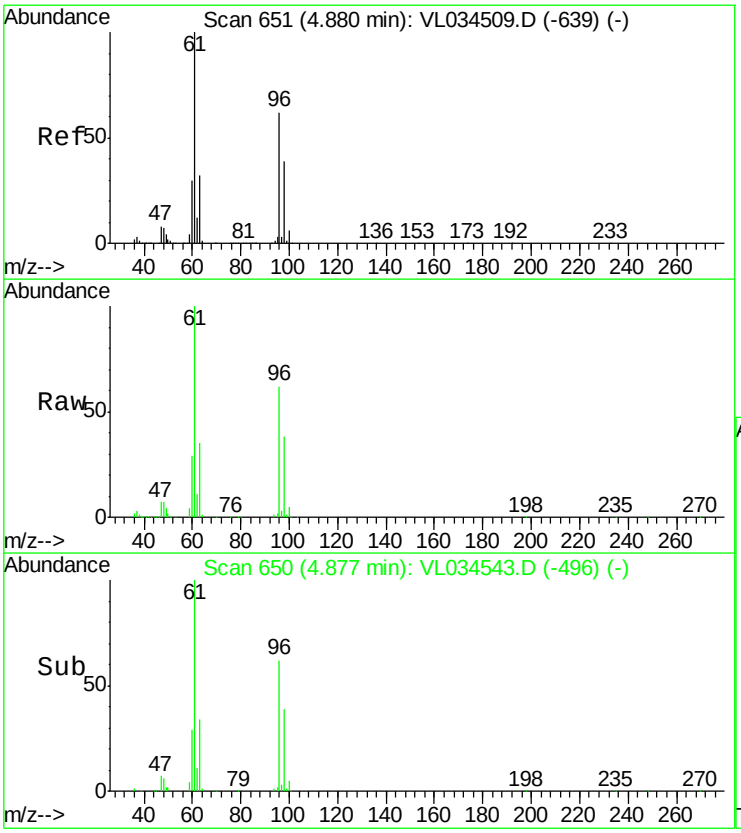
#21
Allyl Chloride
Concen: 9.996 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 839451

Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.4
39	83.6	65.8	98.6

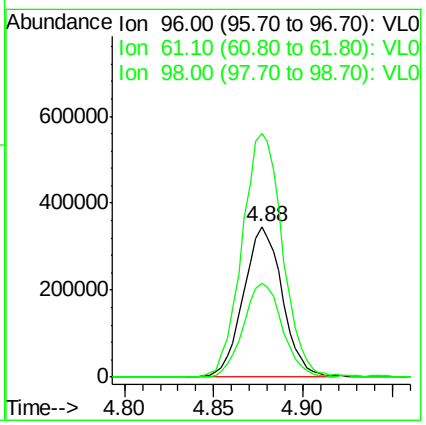


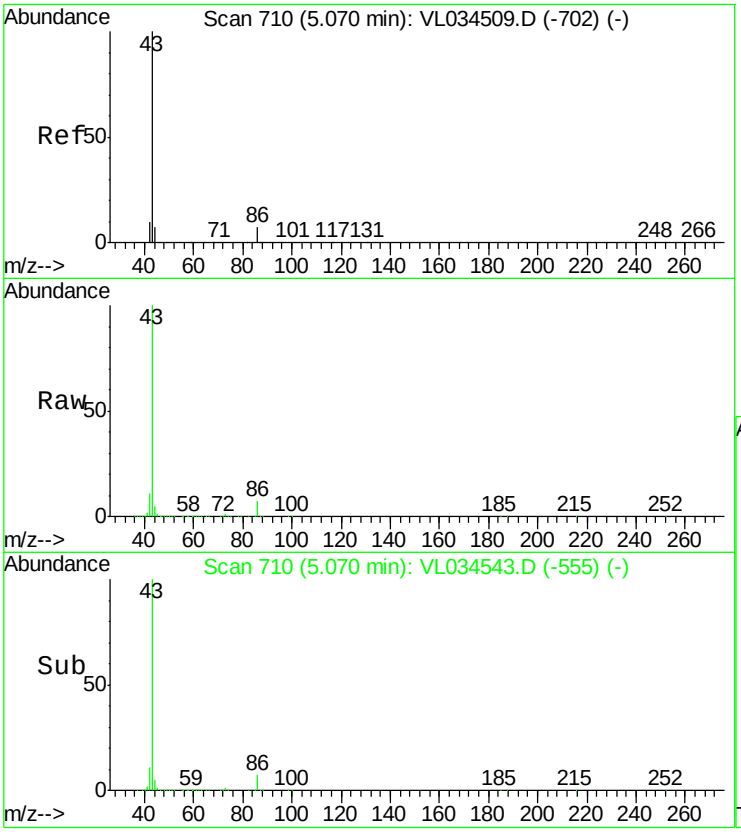


#22
trans-1,2-Dichloroethene
Concen: 10.241 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 96 Resp: 527307

Ion	Ratio	Lower	Upper
96	100		
61	161.9	128.4	192.6
98	62.1	50.6	75.8



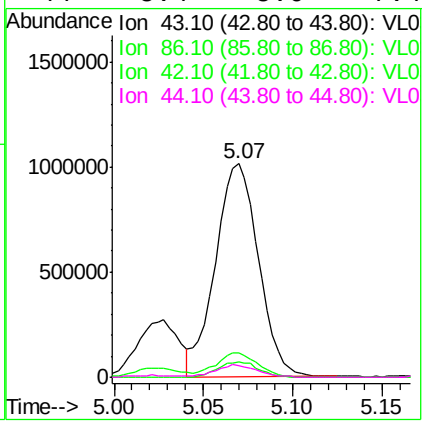


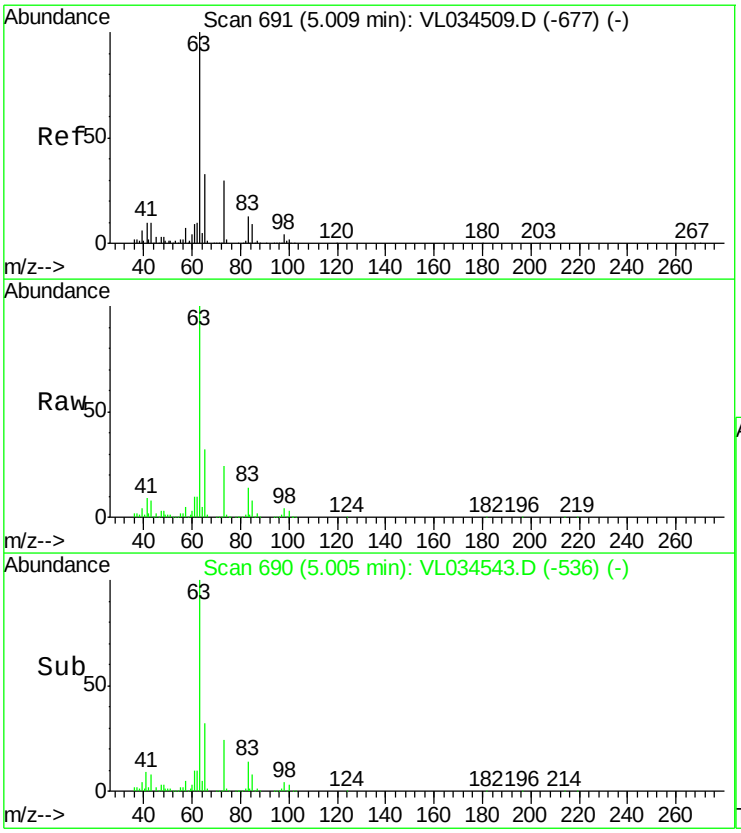
#23
Vinyl Acetate
Concen: 10.060 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1697008

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.4	8.2
42	11.1	8.9	13.3
44	5.4	5.0	7.4

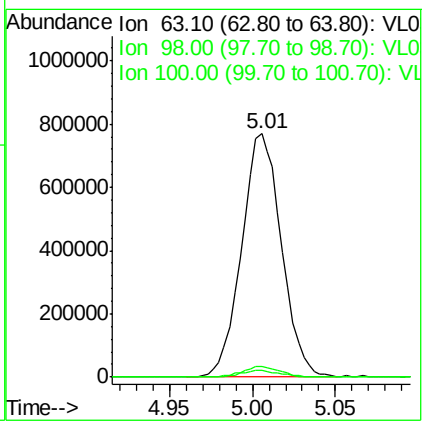


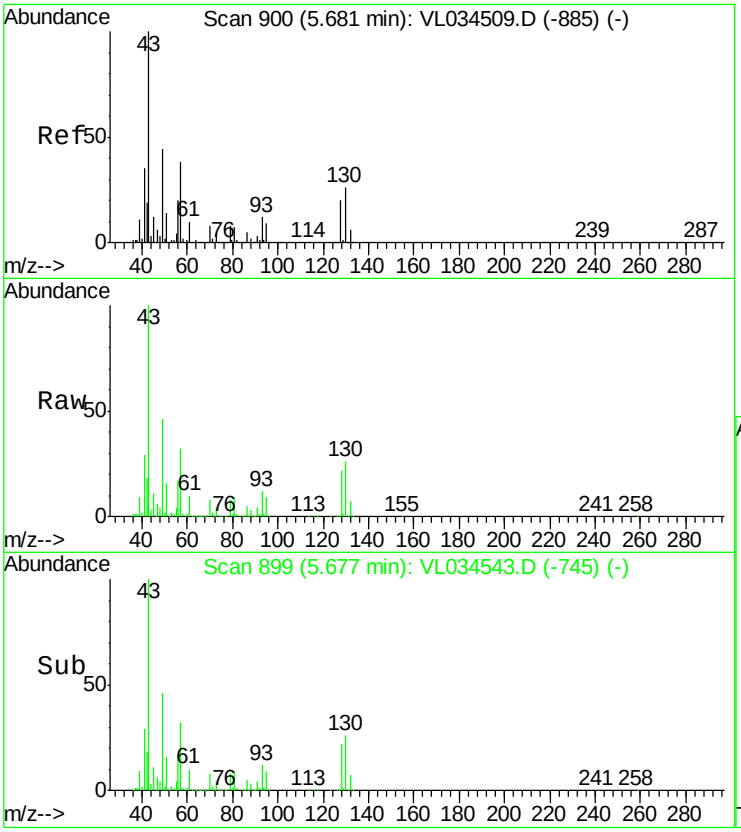


#24
1,1-Dichloroethane
Concen: 9.450 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 63 Resp: 1280661

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.7	1.1	3.3



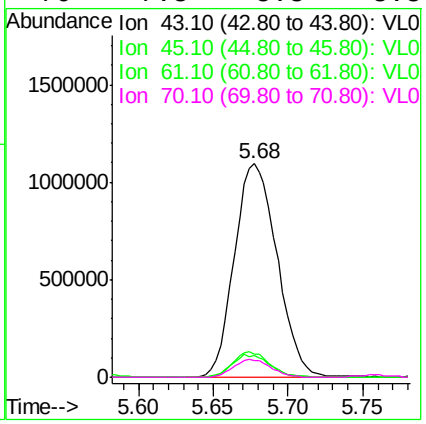


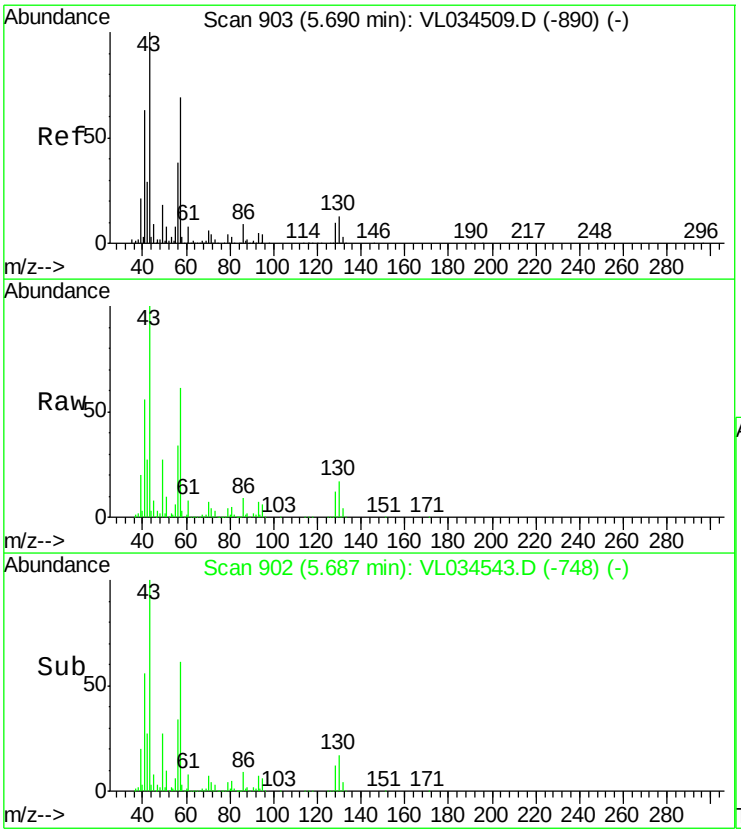
#25
Ethyl Acetate
Concen: 9.532 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2174970

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.7	7.8	11.6
70	7.3	5.8	8.8

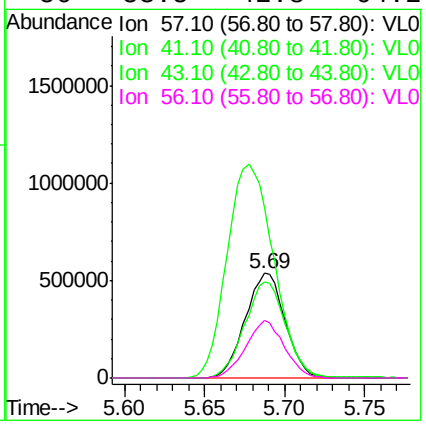


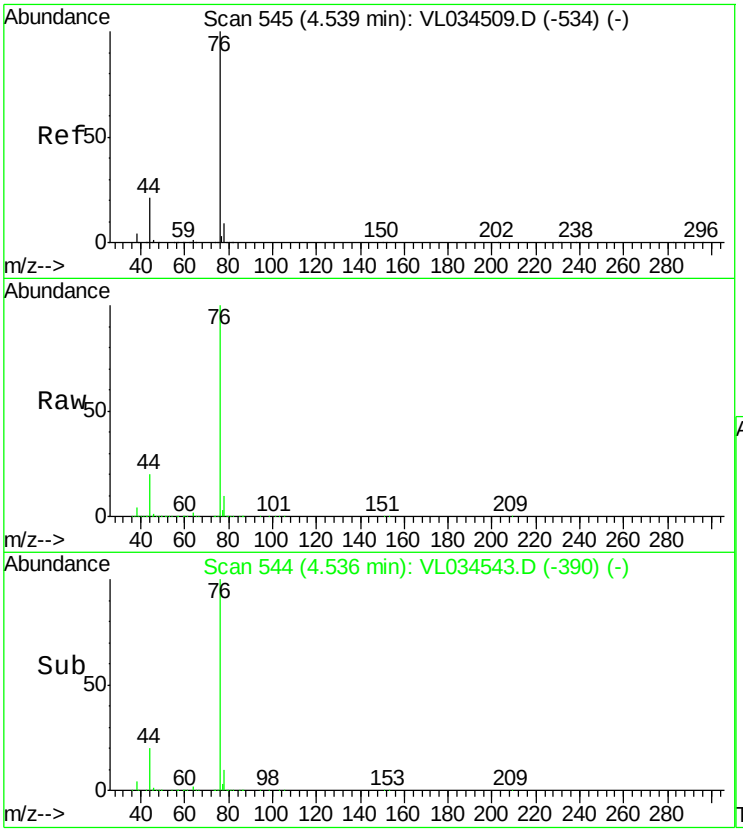


#26
Hexane
Concen: 9.543 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 57 Resp: 917592

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.3	112.9
43	237.8	189.4	284.2
56	53.5	42.8	64.2



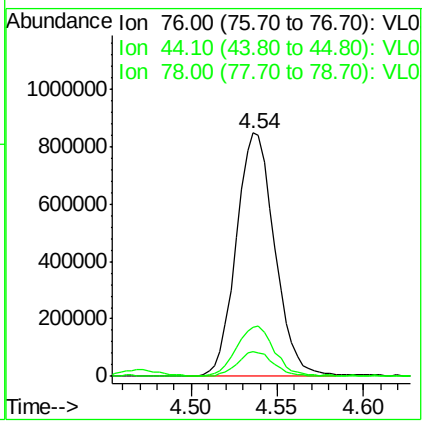


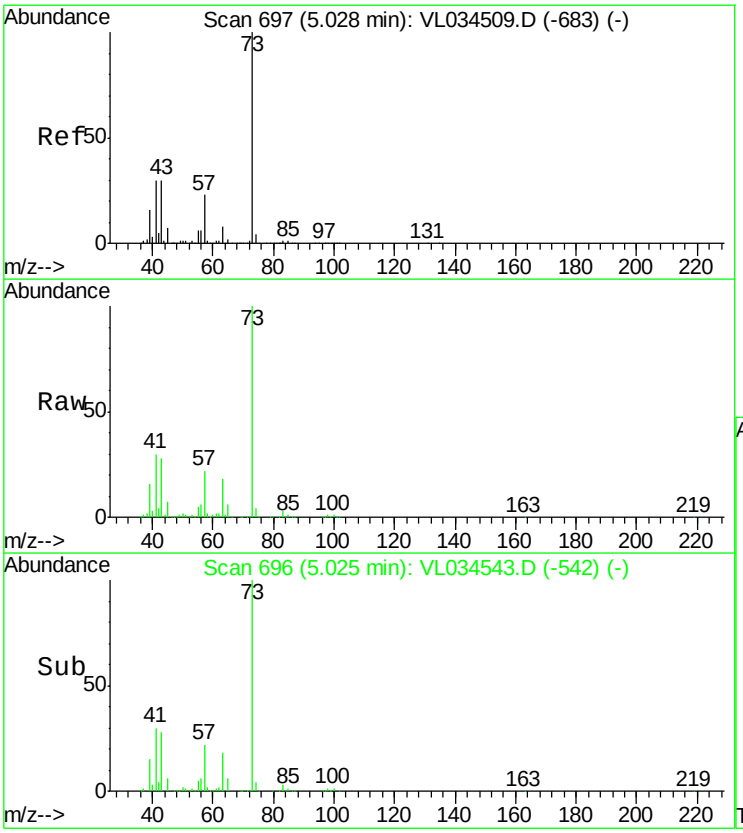
#27
Carbon Disulfide
Concen: 10.800 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1312530

Ion	Ratio	Lower	Upper
76	100		
44	19.8	16.6	25.0
78	9.5	7.4	11.0

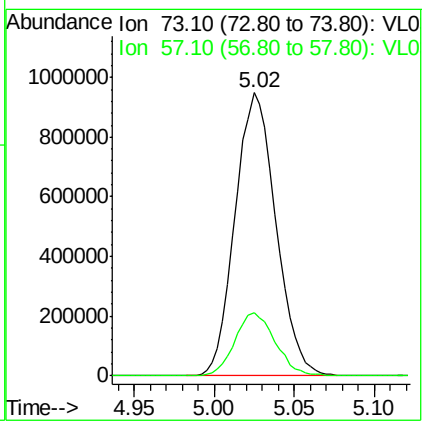


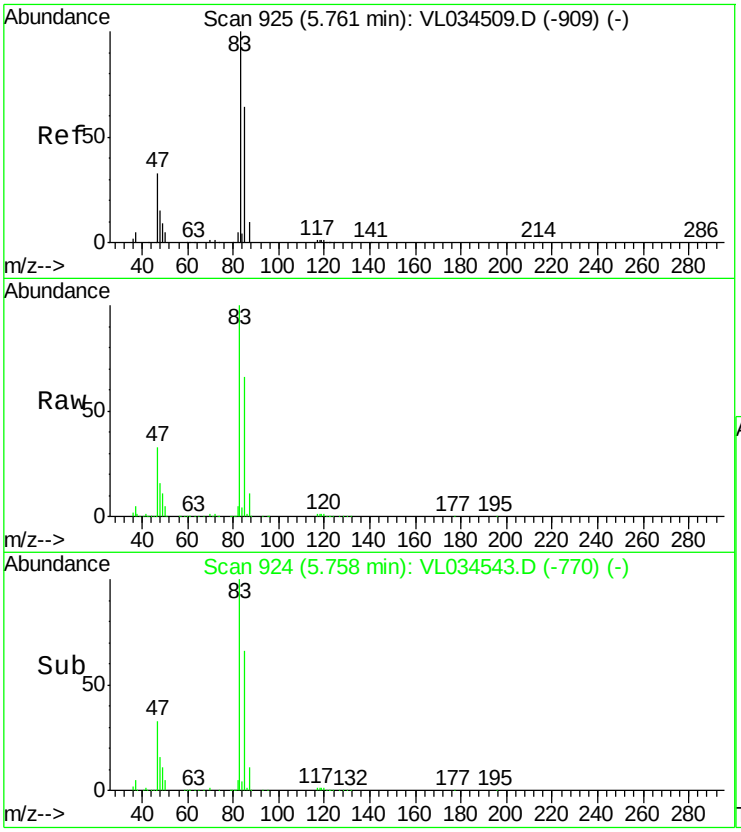


#28
Methyl tert-Butyl Ether
Concen: 10.279 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 73 Resp: 1650754

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.2



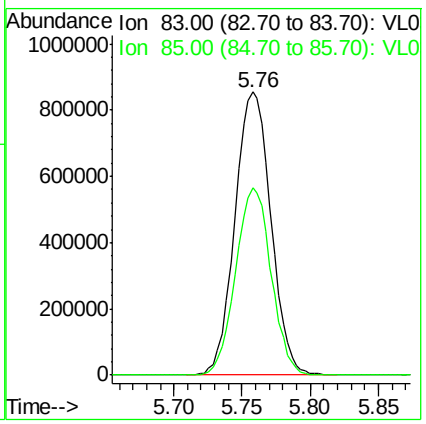


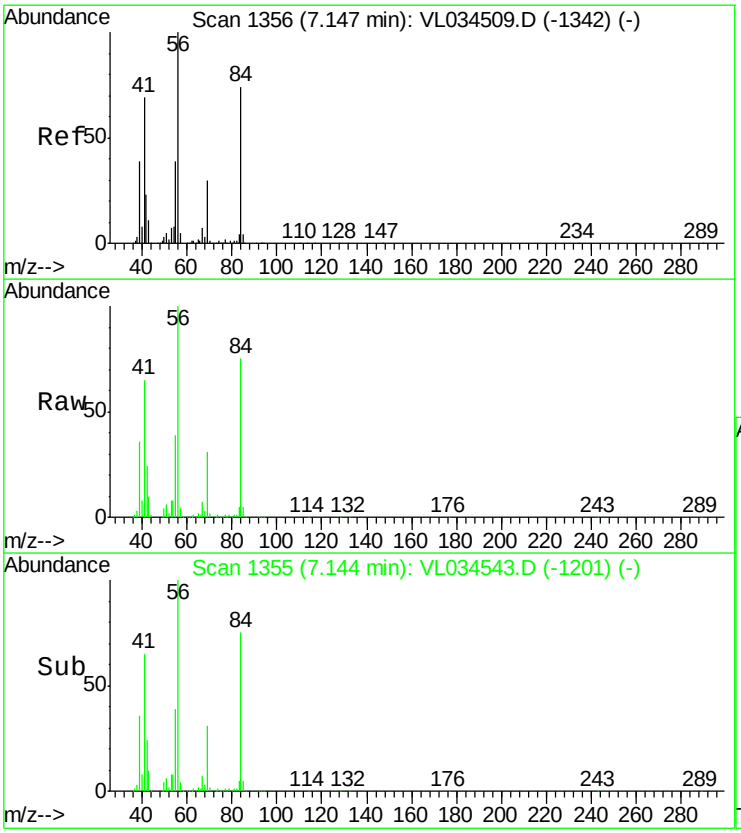
#29
Chloroform
Concen: 9.420 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1567093

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.0	76.6

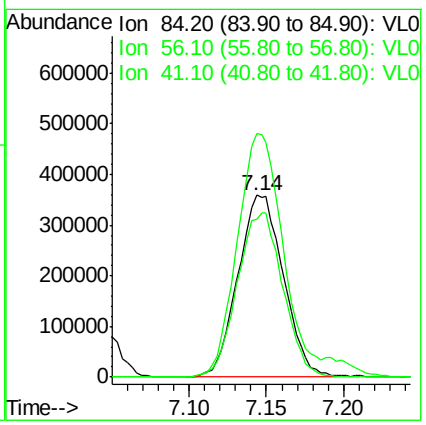


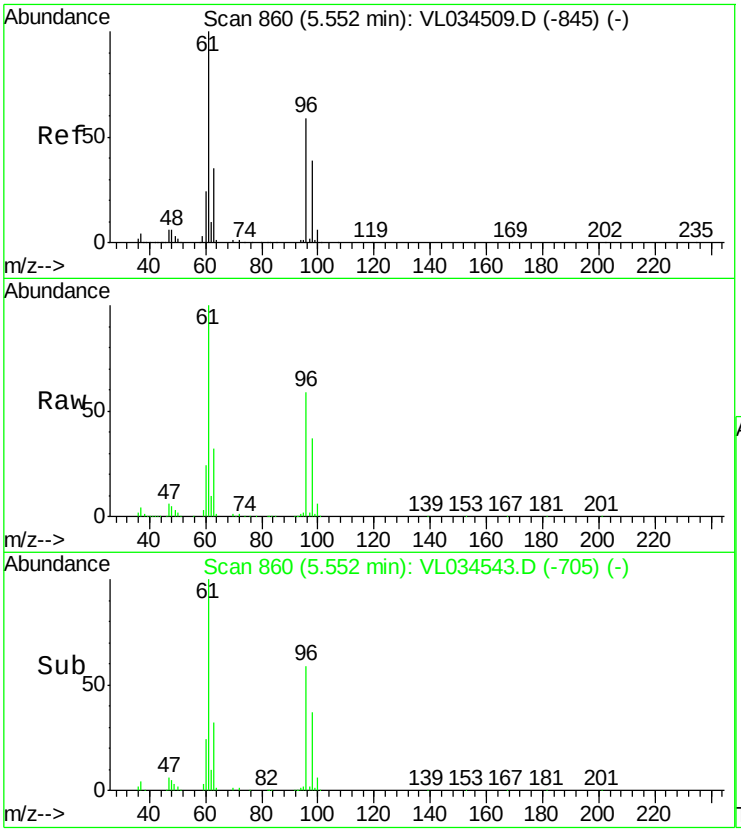


#30
Cyclohexane
Concen: 10.264 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 84 Resp: 733502

Ion	Ratio	Lower	Upper
84	100		
56	141.4	112.7	169.1
41	90.2	73.0	109.4



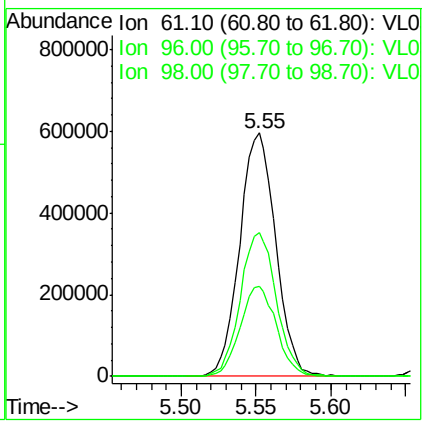


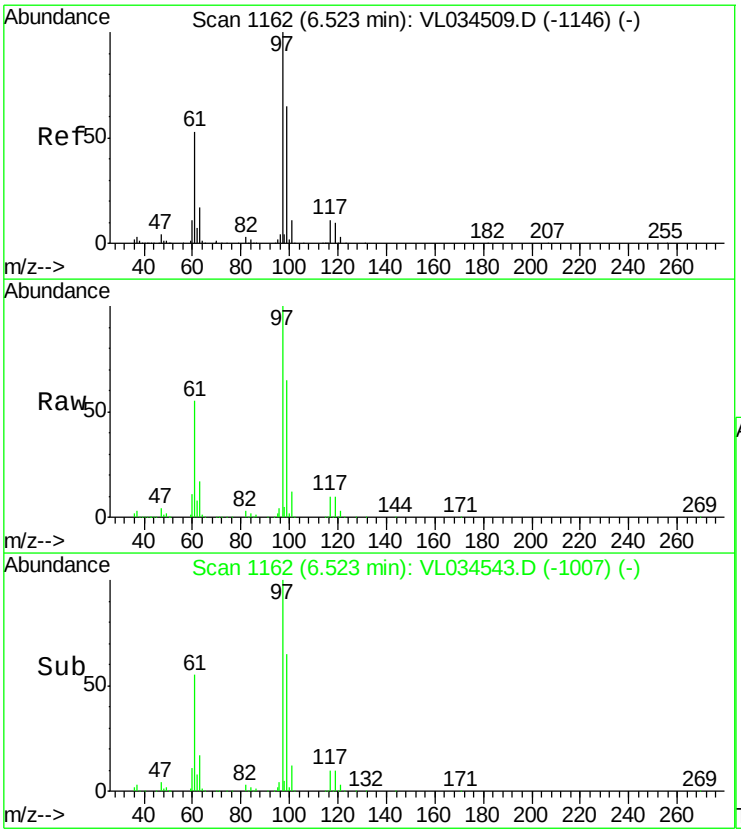
#31
cis-1,2-Dichloroethene
Concen: 10.202 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 999571

Ion	Ratio	Lower	Upper
61	100		
96	59.0	47.1	70.7
98	37.2	31.0	46.6

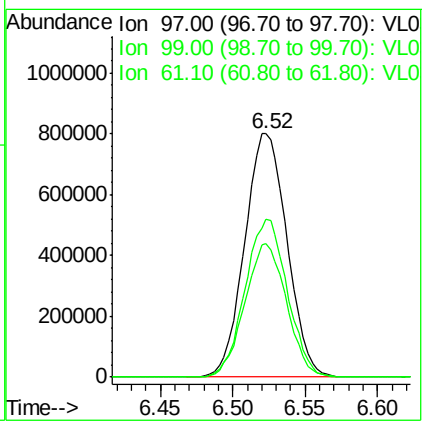


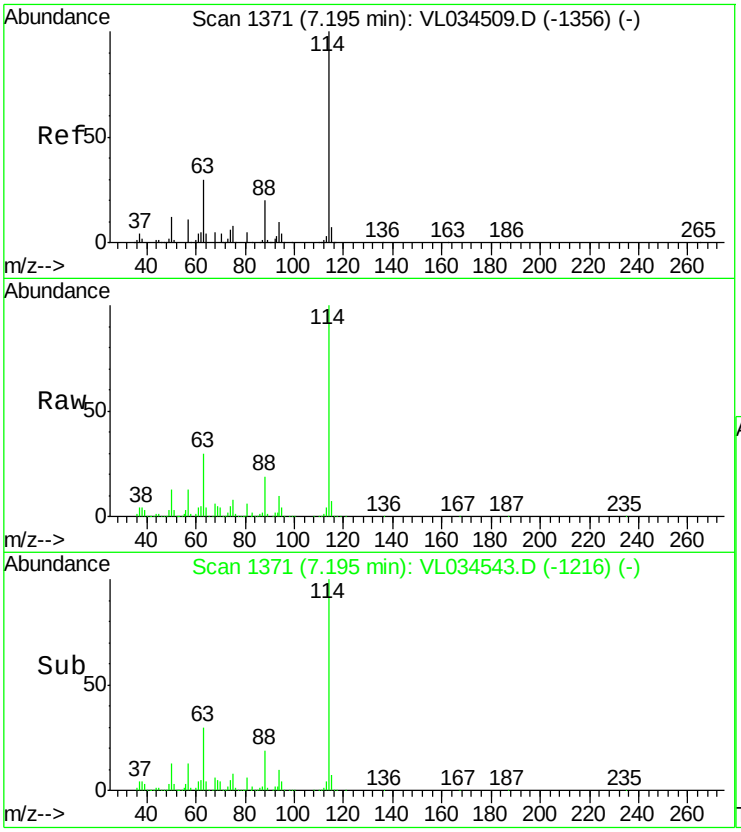


#32
1,1,1-Trichloroethane
Concen: 9.429 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 97 Resp: 1628363

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	54.1	42.9	64.3



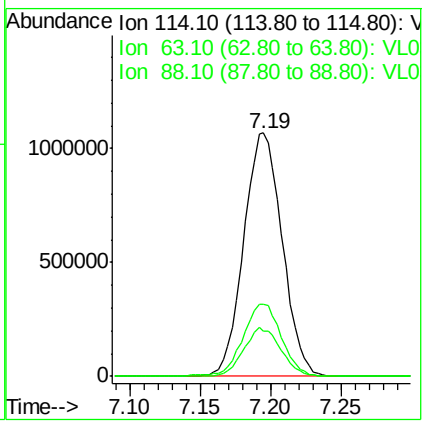


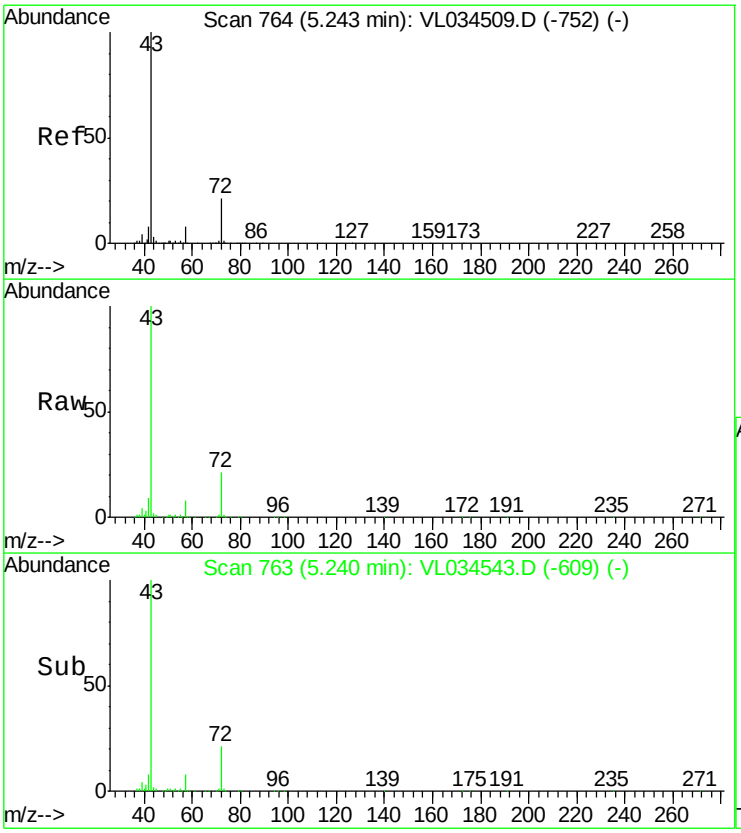
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2039852

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.2	15.7	23.5

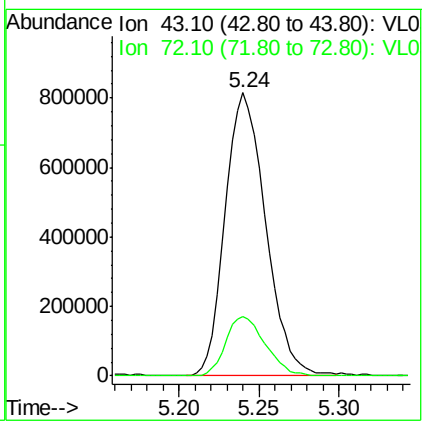


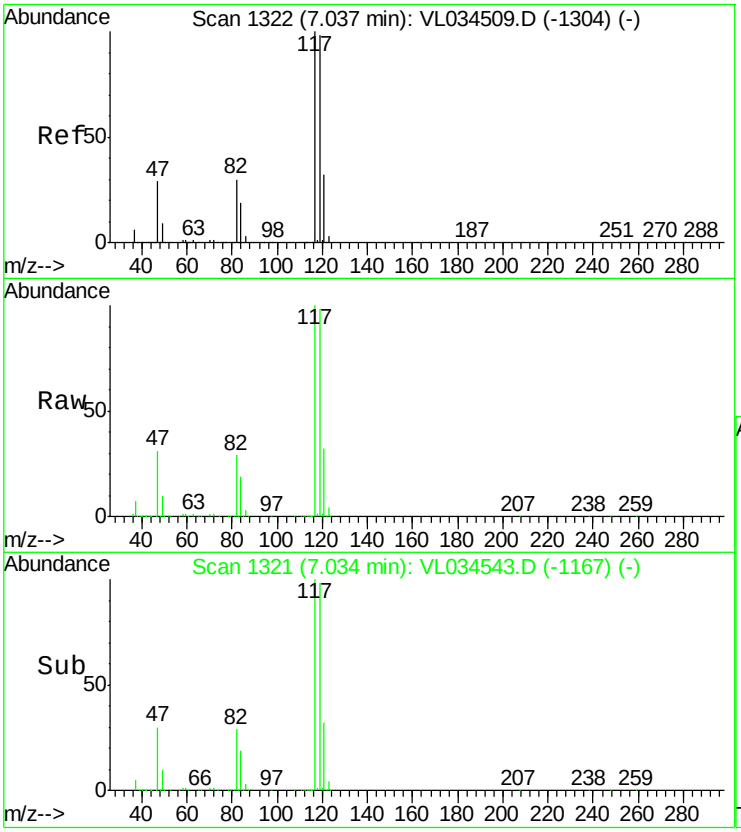


#34
2-Butanone
Concen: 9.608 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 43 Resp: 1400537

Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.0	25.4



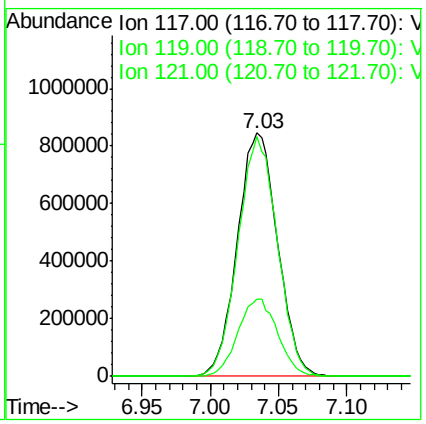


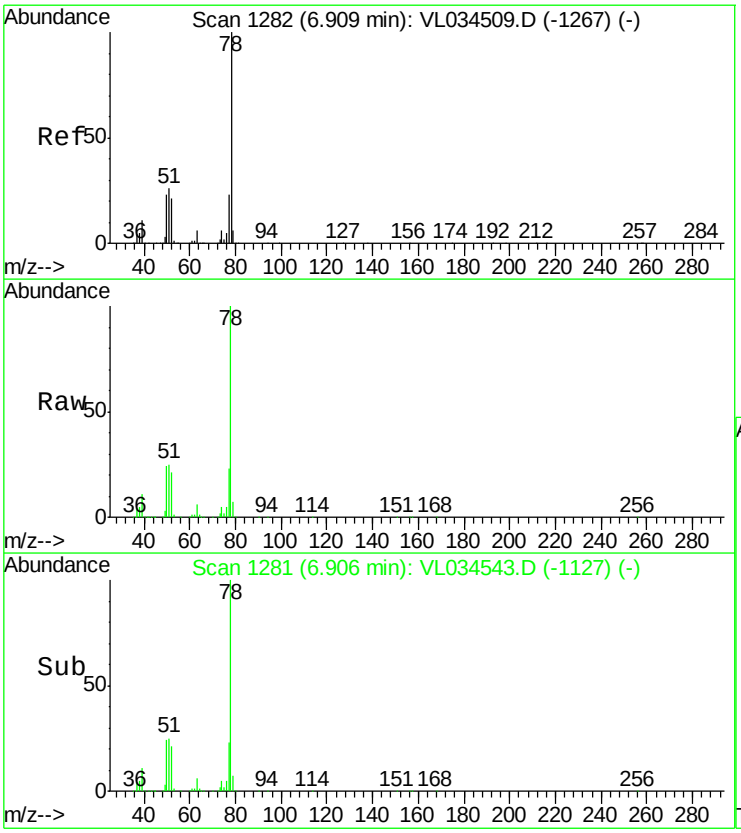
#35
Carbon Tetrachloride
Concen: 9.339 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1727641

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	31.5	25.9	38.9

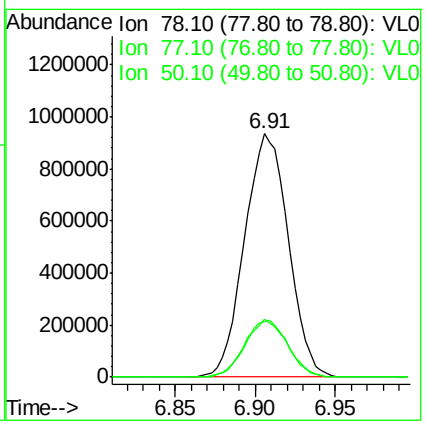


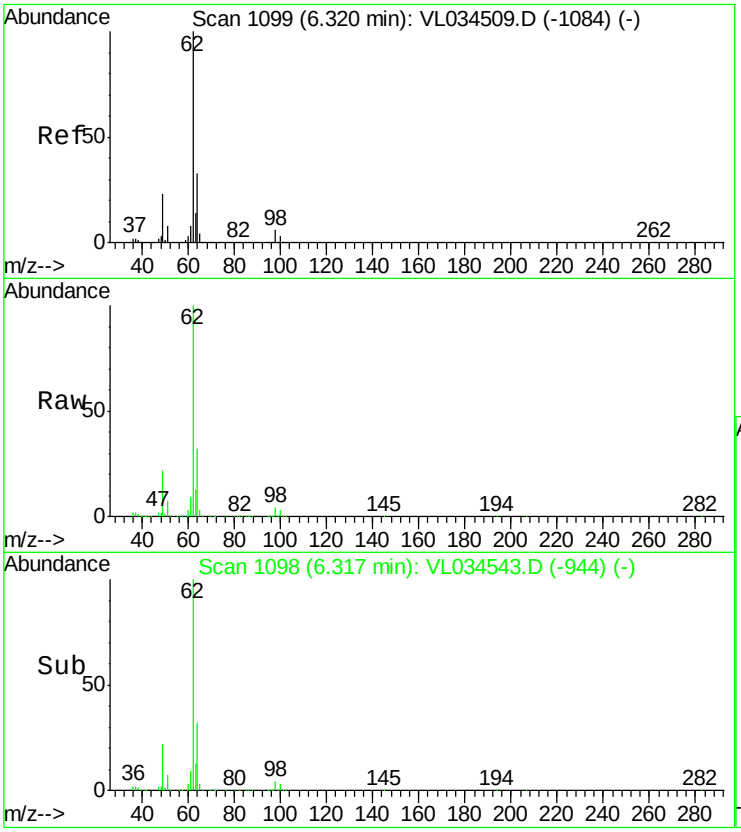


#36
Benzene
Concen: 9.852 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 78 Resp: 1751764

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	28.0
50	23.8	18.8	28.2



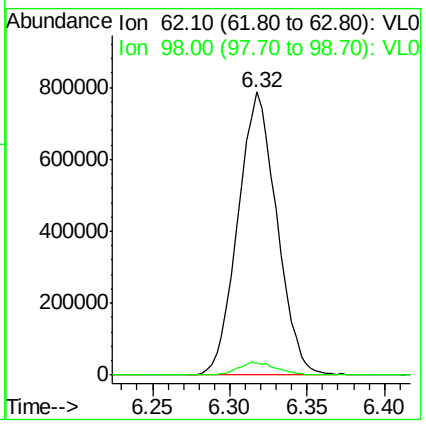


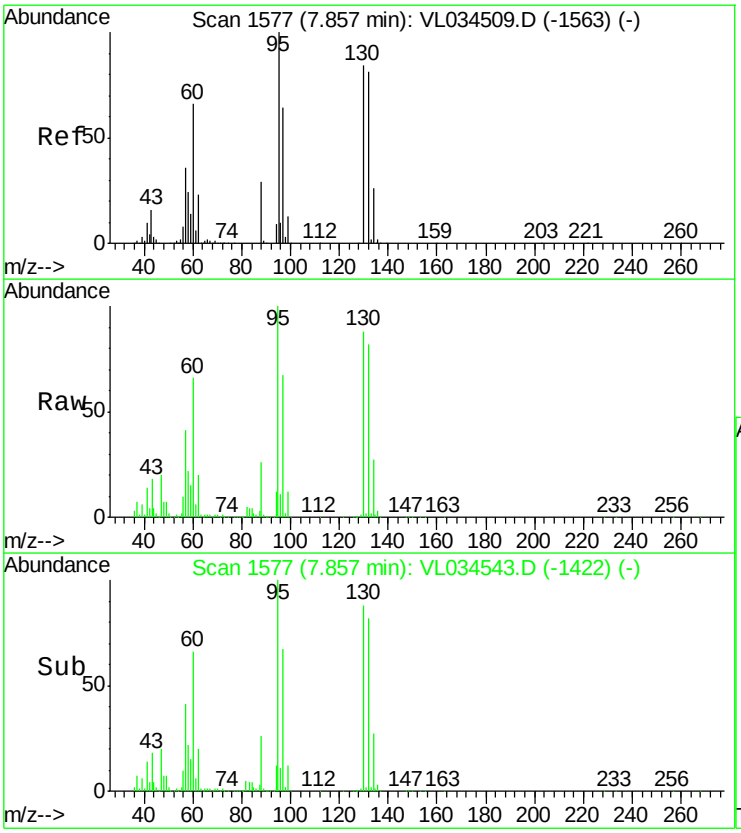
#37
1,2-Dichloroethane
Concen: 9.549 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1378866

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.6

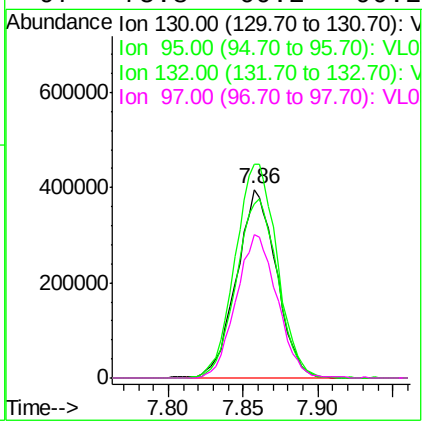


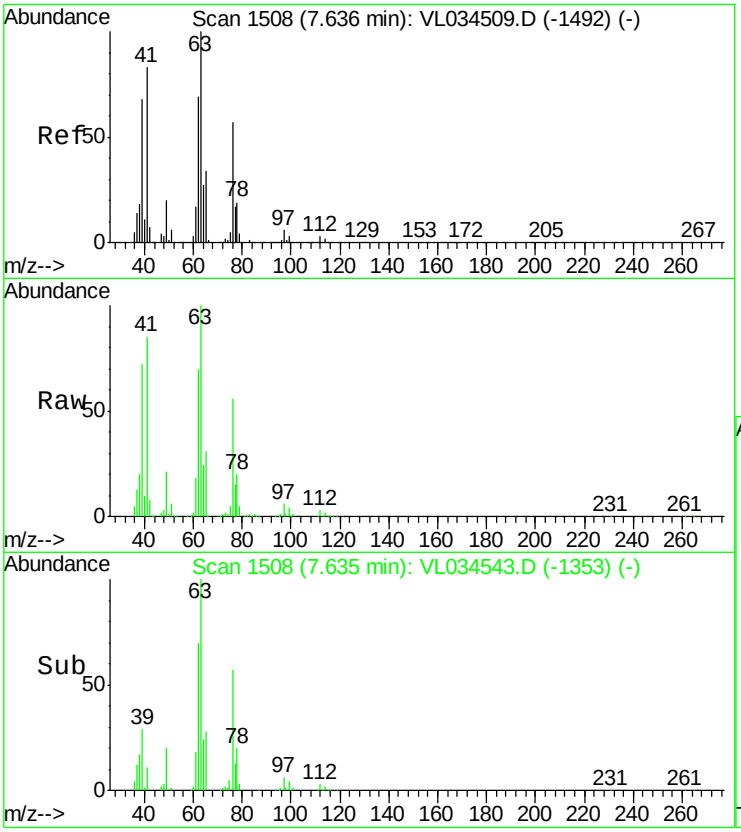


#38
Trichloroethene
Concen: 10.183 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:130 Resp: 731411

Ion	Ratio	Lower	Upper
130	100		
95	113.4	94.2	141.2
132	92.5	76.1	114.1
97	75.8	60.2	90.2



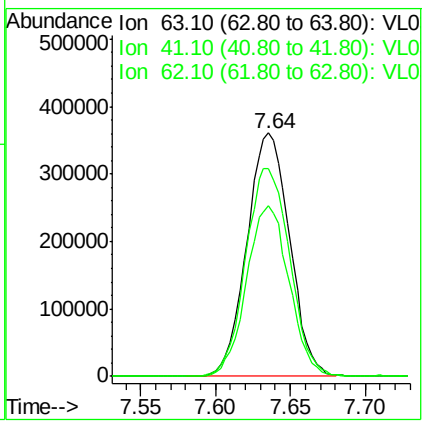


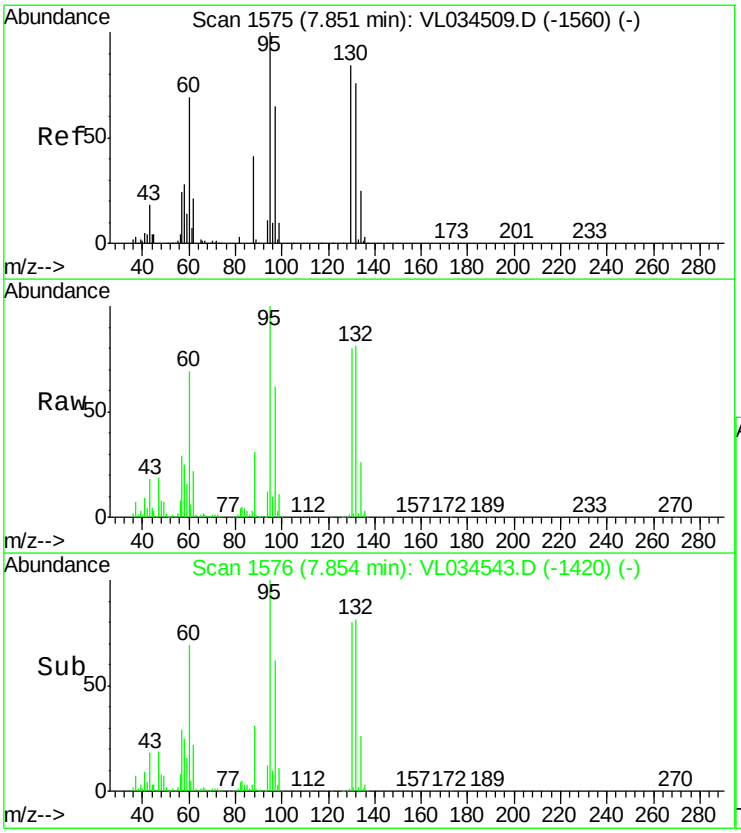
#39
1,2-Dichloropropane
Concen: 9.806 ppbv
RT: 7.64 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 716954

Ion	Ratio	Lower	Upper
63	100		
41	85.3	66.1	99.1
62	69.9	54.9	82.3

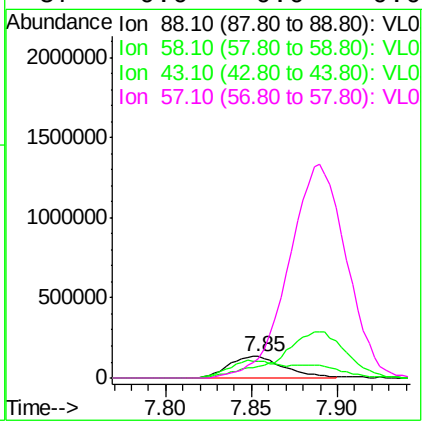


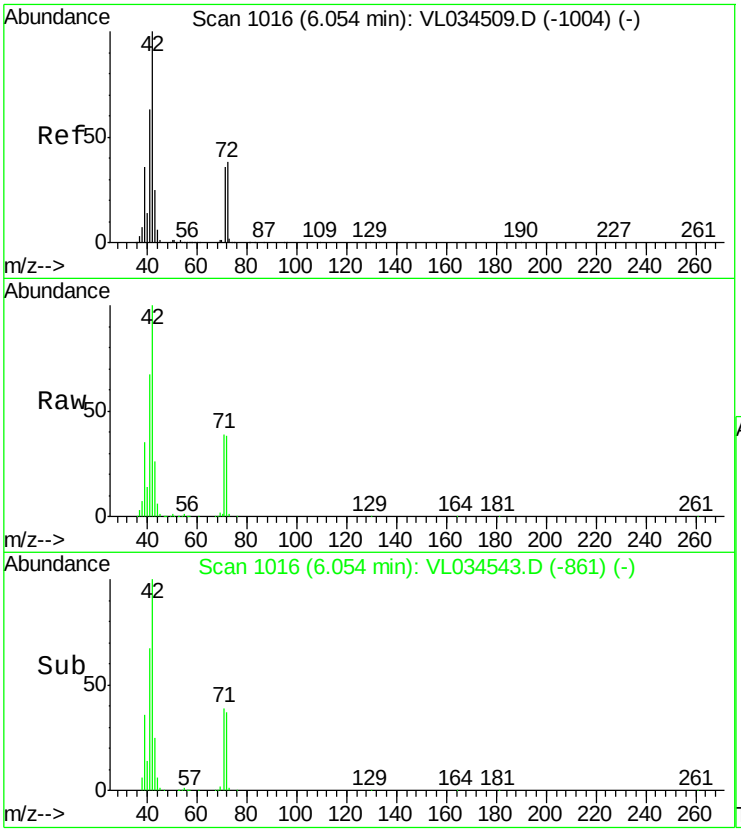


#40
1,4-Dioxane
Concen: 9.965 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 88 Resp: 294898

Ion	Ratio	Lower	Upper
88	100		
58	133.3	107.9	161.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0



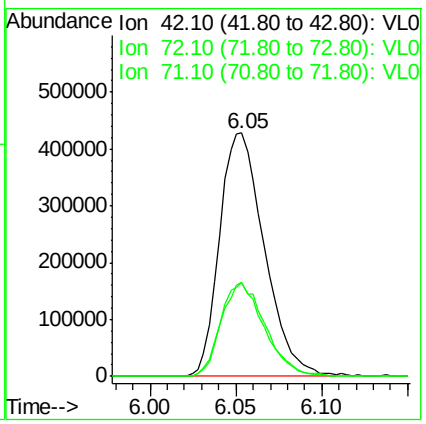


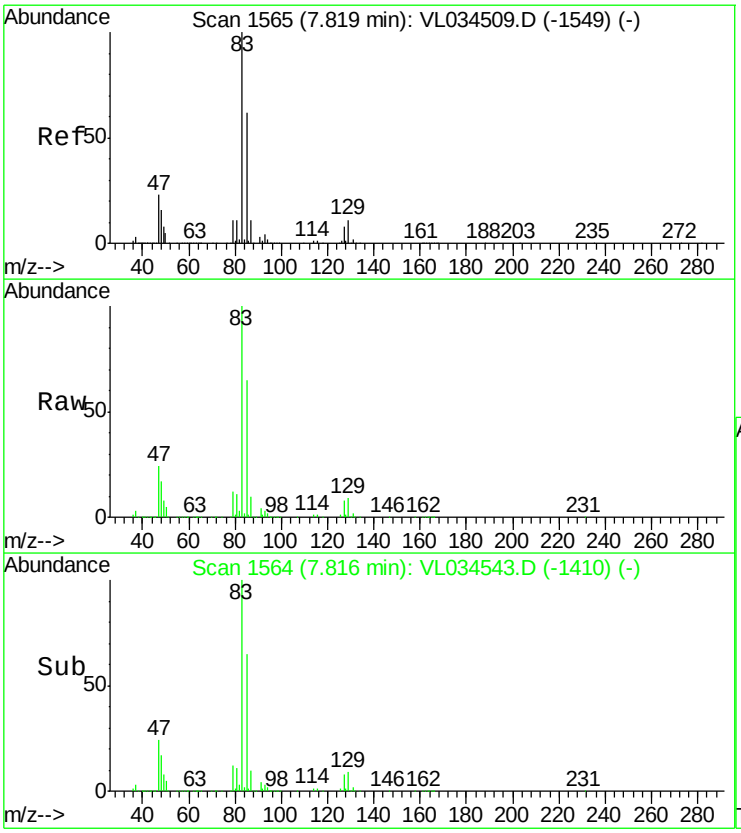
#41
Tetrahydrofuran
Concen: 10.328 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 772304

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	37.5	28.9	43.3

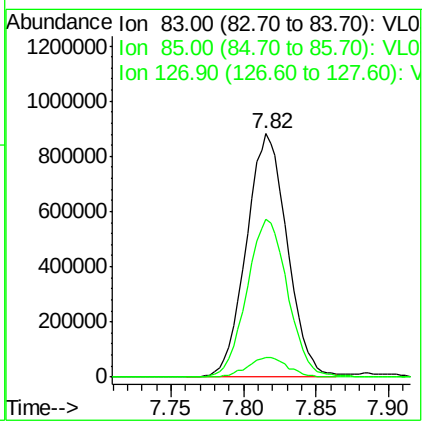


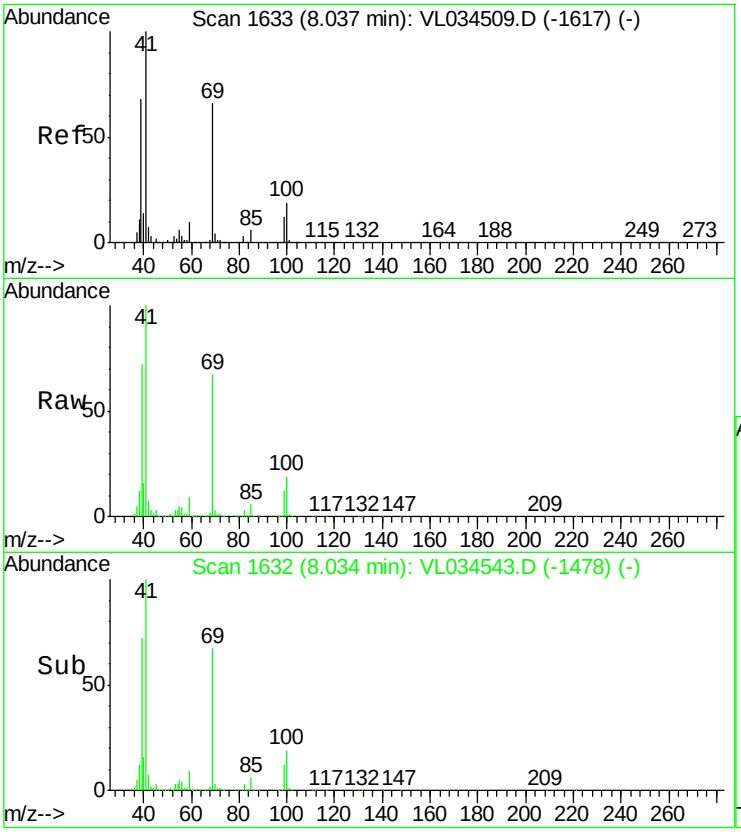


#42
Bromodichloromethane
Concen: 9.759 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 83 Resp: 1733996

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.4	74.2
127	8.1	6.2	9.4



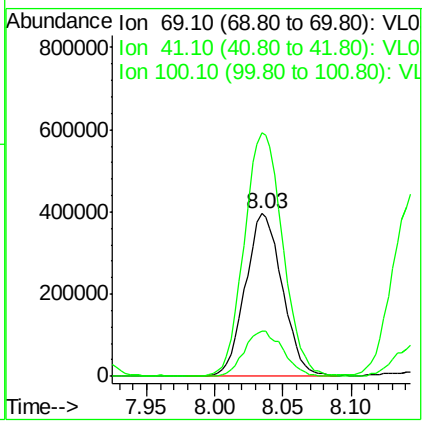


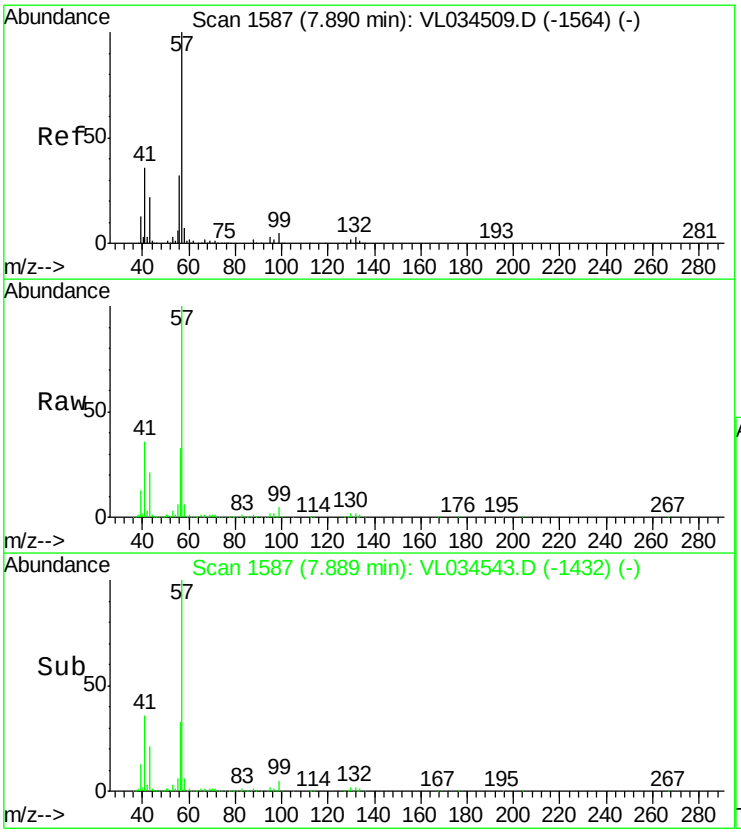
#43
Methyl Methacrylate
Concen: 10.327 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 749055

Ion	Ratio	Lower	Upper
69	100		
41	155.1	124.0	186.0
100	29.3	23.1	34.7

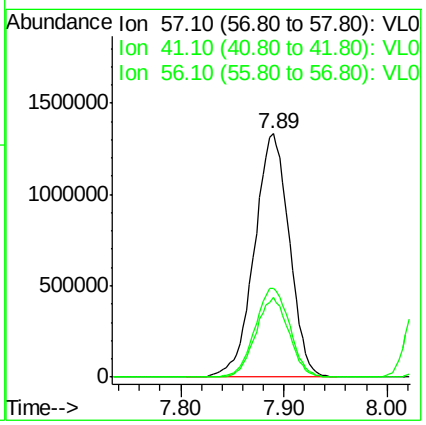


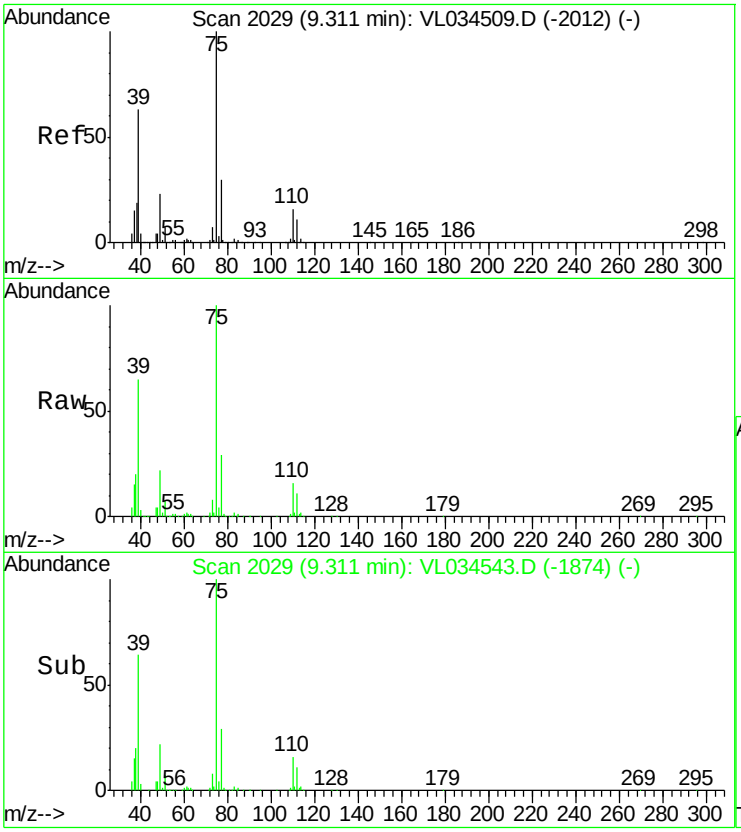


#44
2,2,4-Trimethylpentane
Concen: 9.500 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 57 Resp: 3124764

Ion	Ratio	Lower	Upper
57	100		
41	36.4	29.0	43.4
56	31.1	24.9	37.3



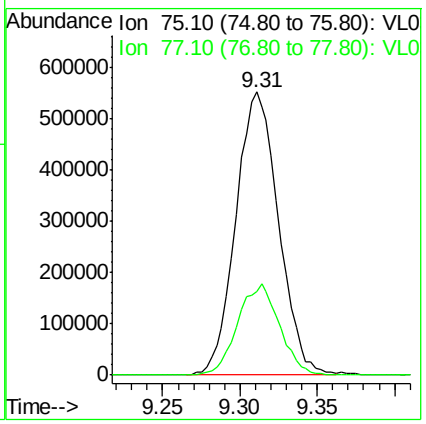


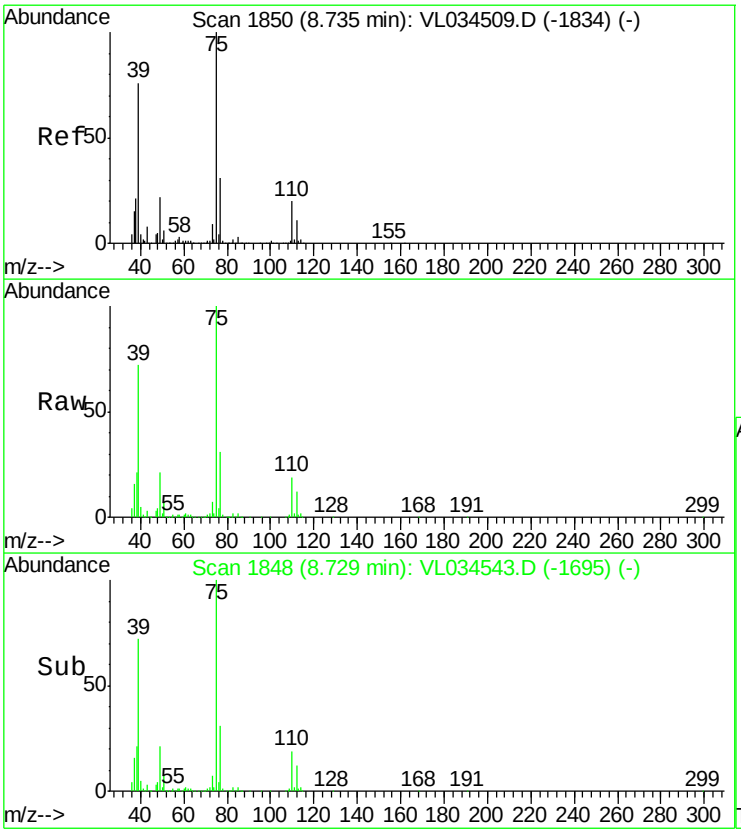
#45
t-1,3-Dichloropropene
Concen: 11.304 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1056194

Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.2	36.2

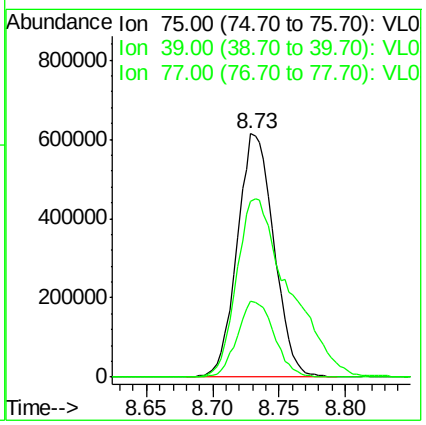


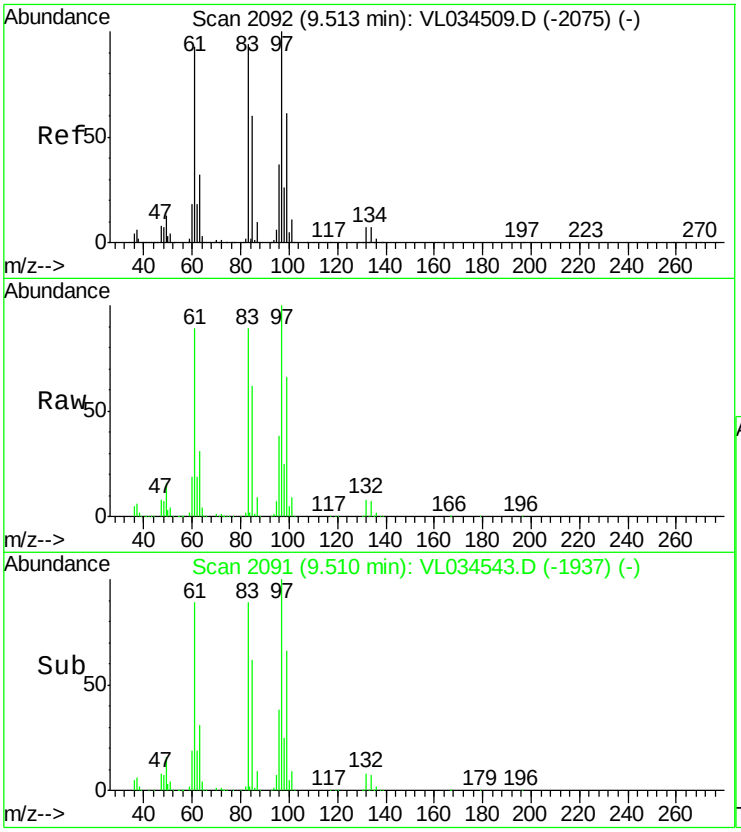


#46
cis-1,3-Dichloropropene
Concen: 11.031 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.01 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 75 Resp: 1178162

Ion	Ratio	Lower	Upper
75	100		
39	72.0	60.5	90.7
77	31.0	24.8	37.2



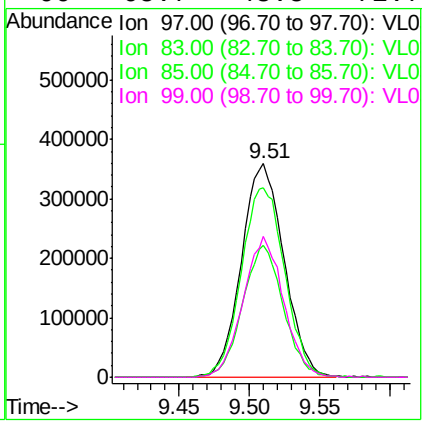


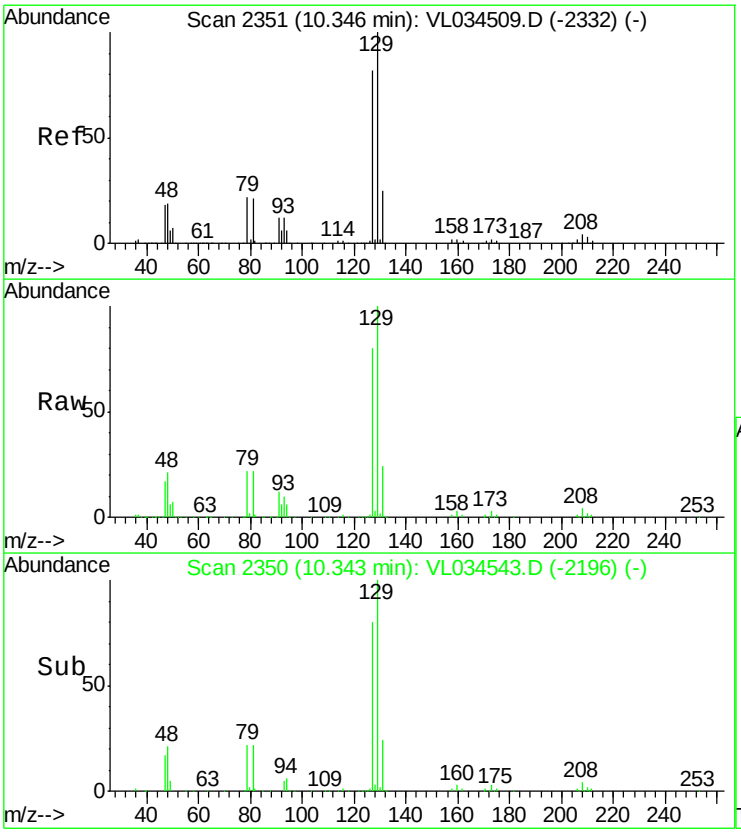
#47
1,1,2-Trichloroethane
Concen: 9.400 ppbv
RT: 9.51 min Scan# 2091
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 757660

Ion	Ratio	Lower	Upper
97	100		
83	88.8	75.0	112.4
85	61.7	48.2	72.4
99	65.7	48.5	72.7

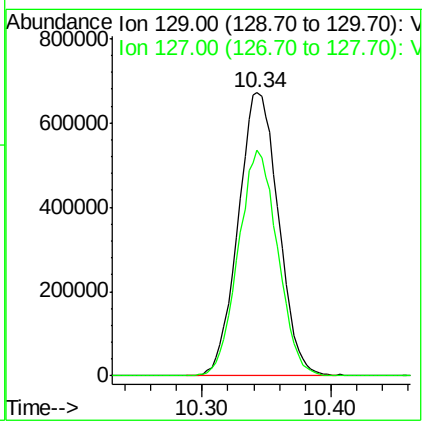


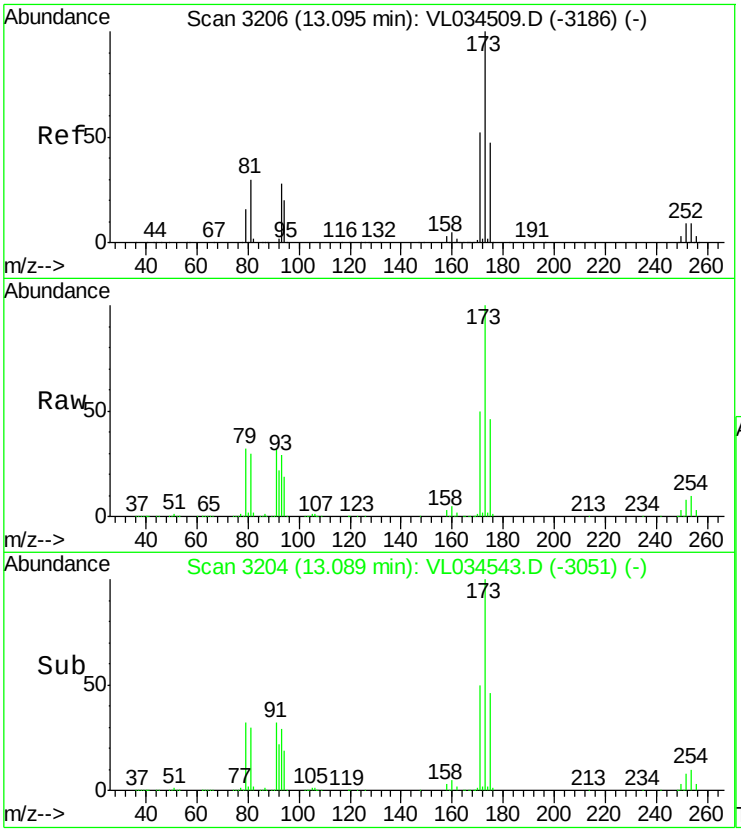


#48
Dibromochloromethane
Concen: 10.456 ppbv
RT: 10.34 min Scan# 2350
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:129 Resp: 1460995

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.4	118.2



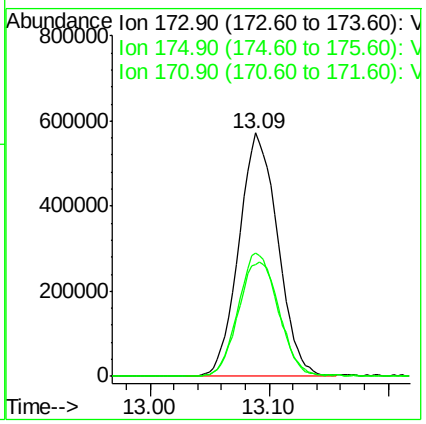


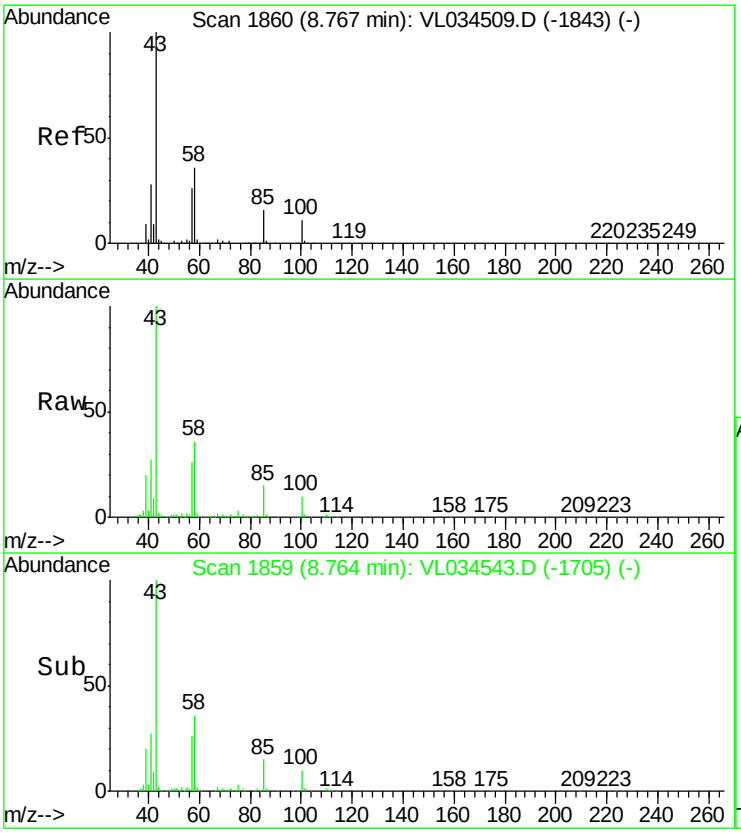
#49
Bromoform
Concen: 10.247 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. -0.01 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1296130

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.8	59.8
171	52.1	42.1	63.1

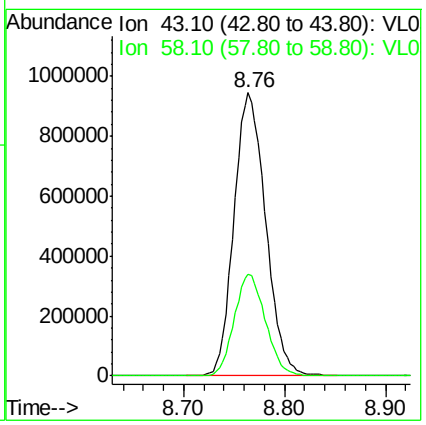


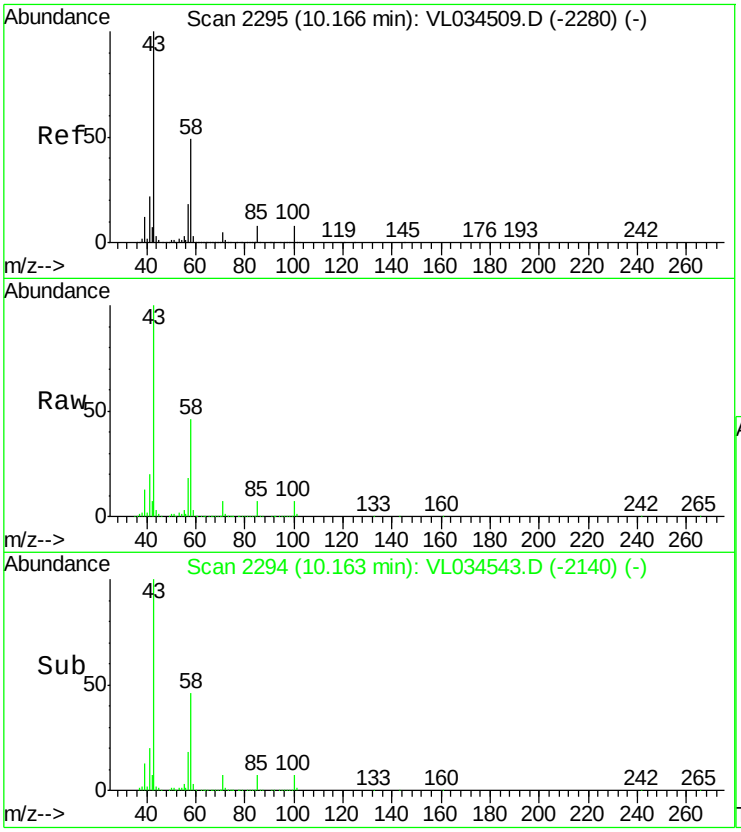


#50
4-Methyl-2-Pentanone
Concen: 9.742 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 43 Resp: 2061382

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.2	42.2



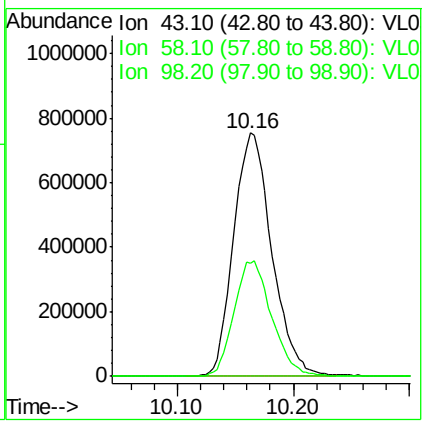


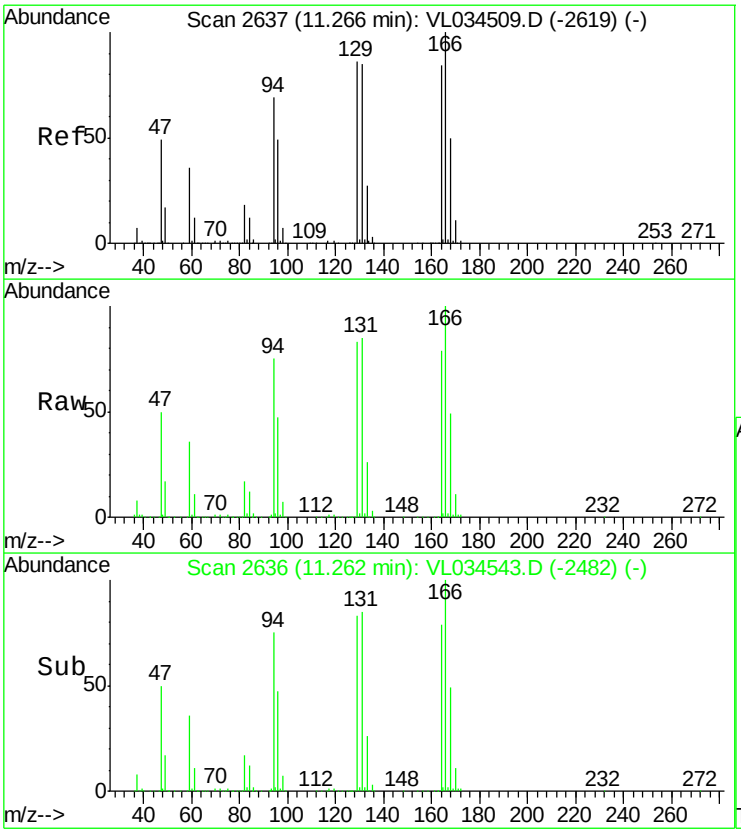
#51
2-Hexanone
Concen: 10.087 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1722935

Ion	Ratio	Lower	Upper
43	100		
58	46.7	37.4	56.0
98	0.3	0.2	0.2#

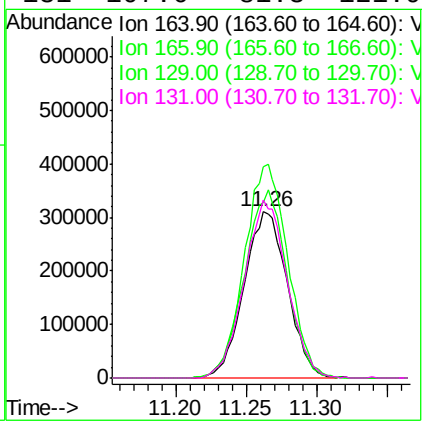


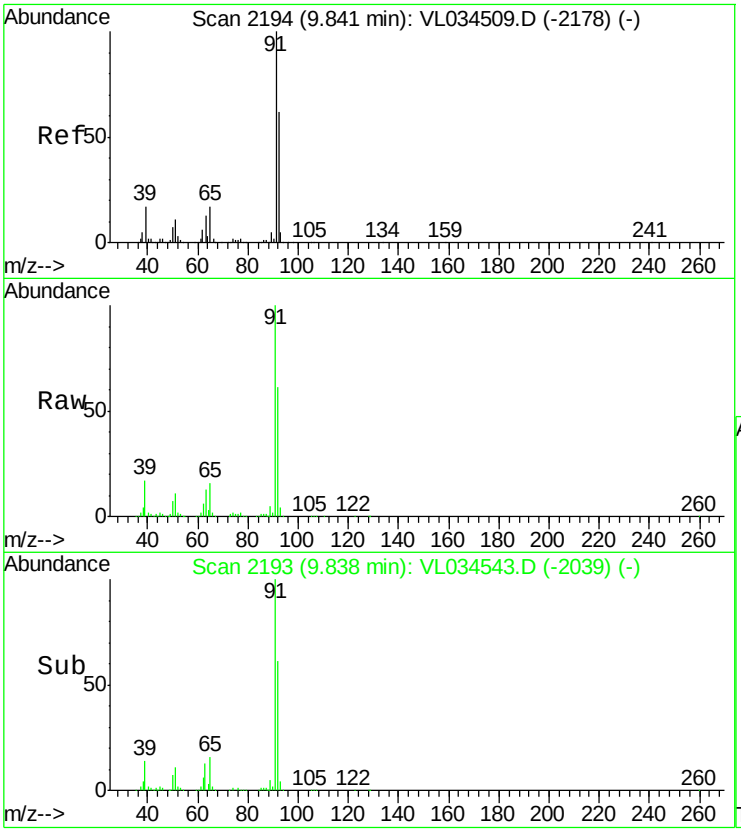


#52
Tetrachloroethene
Concen: 9.600 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:164 Resp: 666162

Ion	Ratio	Lower	Upper
164	100		
166	127.3	95.7	143.5
129	105.7	82.2	123.2
131	107.6	81.3	121.9



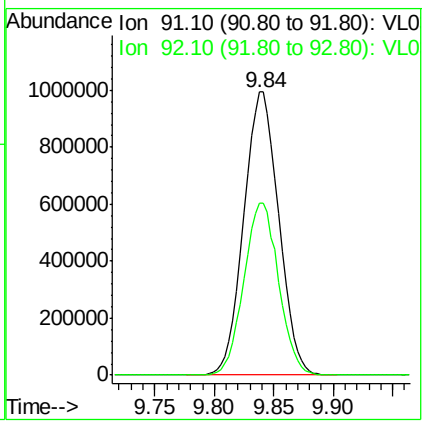


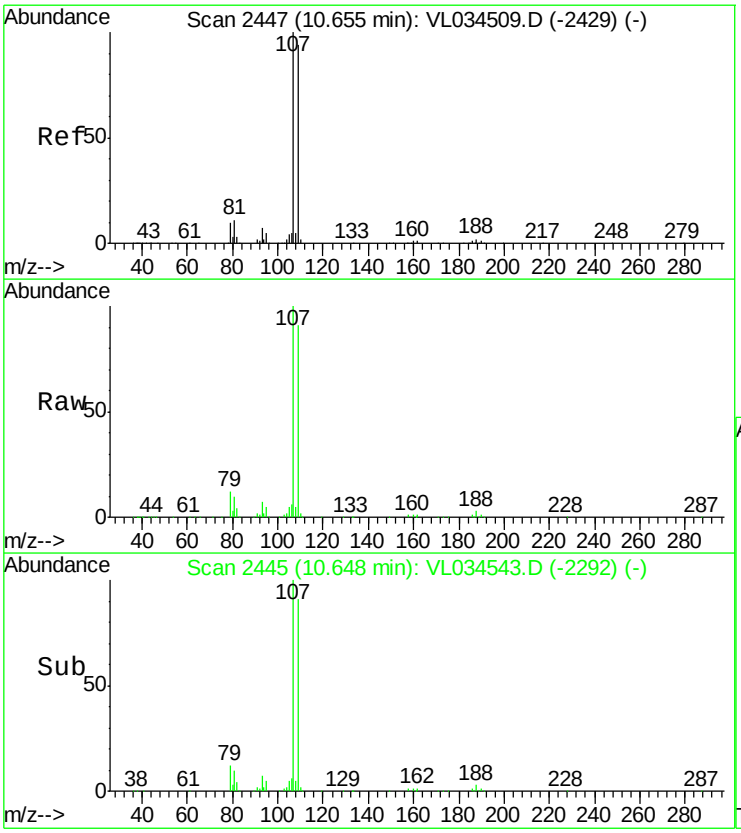
#53
Toluene
Concen: 10.382 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2028214

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.4	72.6

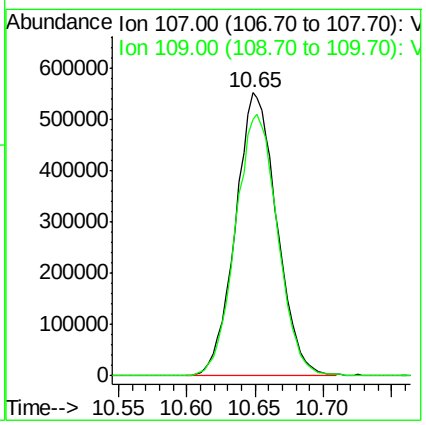


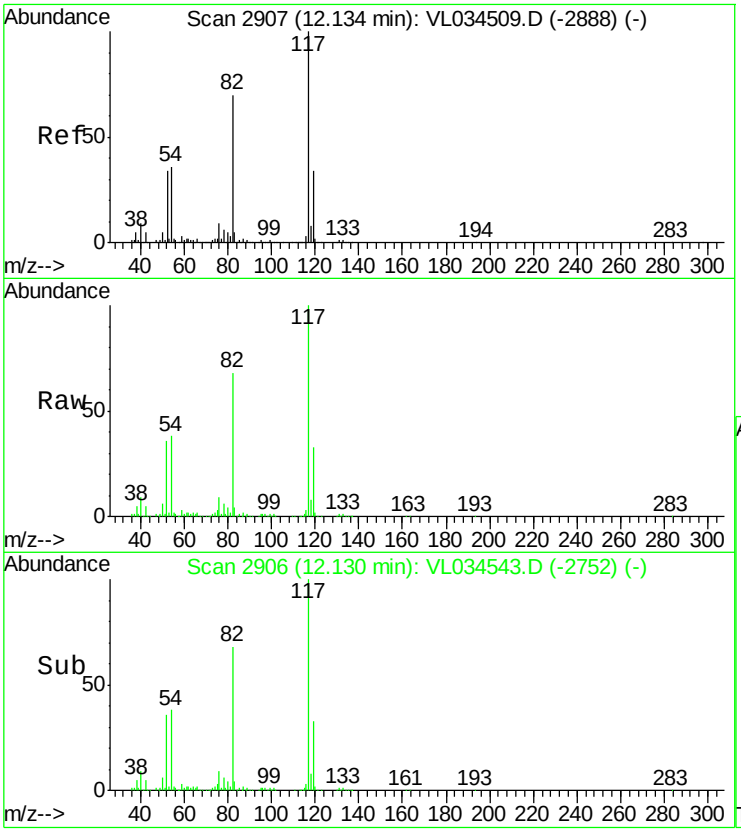


#54
1,2-Dibromoethane
Concen: 9.875 ppbv
RT: 10.65 min Scan# 2445
Delta R.T. -0.01 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:107 Resp: 1158194

Ion	Ratio	Lower	Upper
107	100		
109	90.5	75.5	113.3



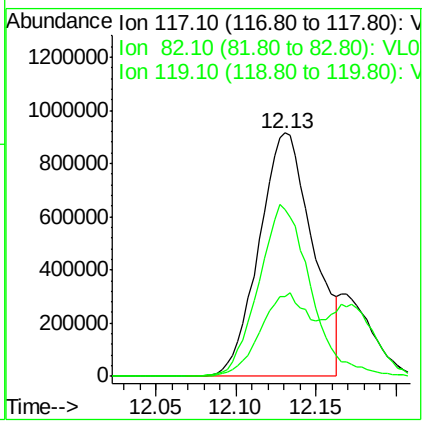


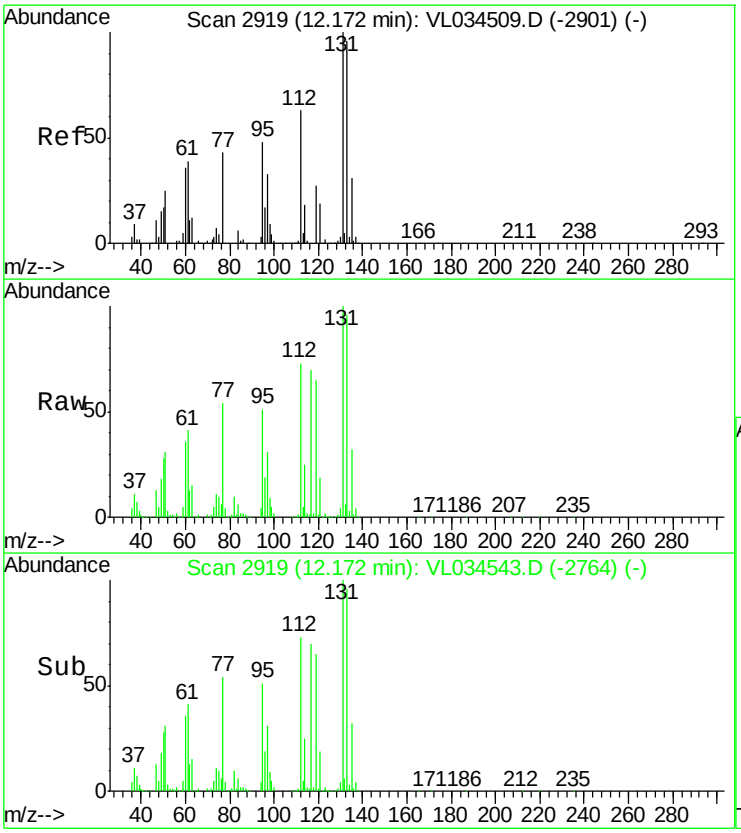
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2143187

Ion	Ratio	Lower	Upper
117	100		
82	68.4	56.2	84.4
119	32.3	27.1	40.7

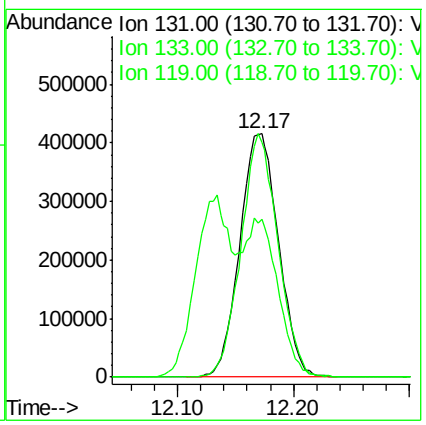


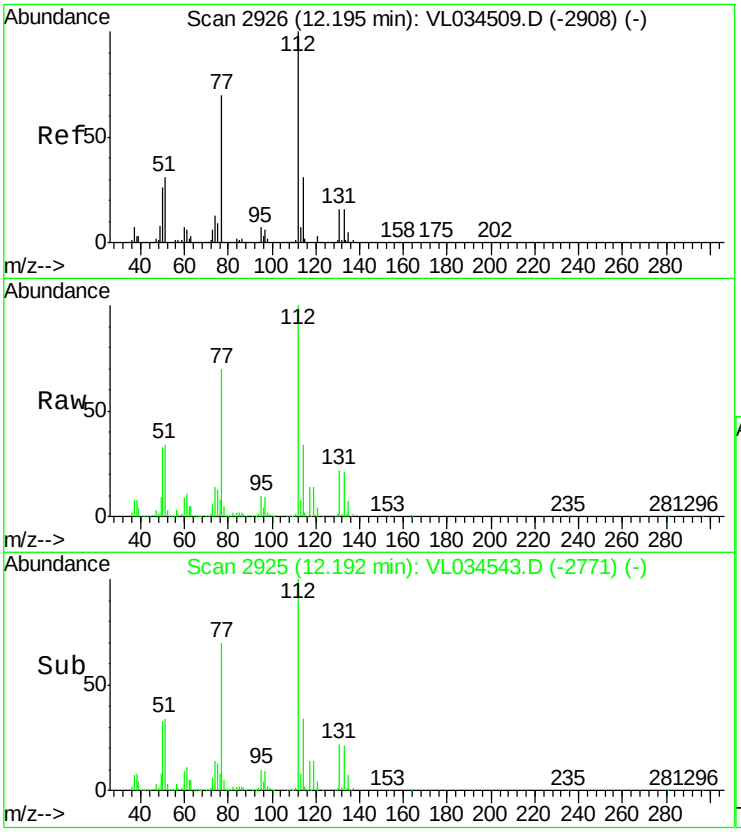


#56
1,1,1,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:131 Resp: 966307

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.2	114.2
119	56.5	47.1	70.7



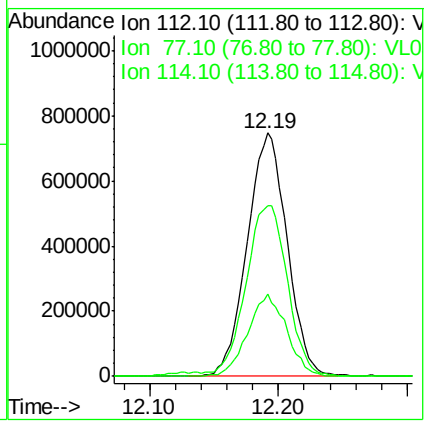


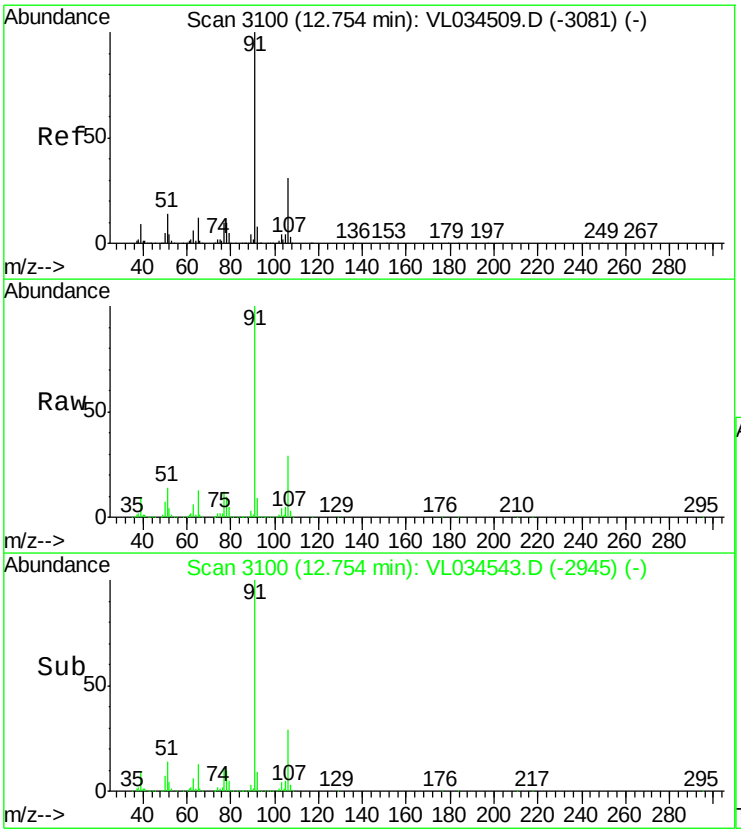
#57
Chlorobenzene
Concen: 9.089 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1607017

Ion	Ratio	Lower	Upper
112	100		
77	69.8	57.4	86.0
114	33.9	28.4	34.8

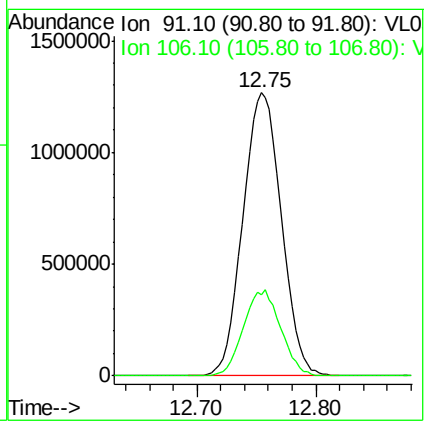


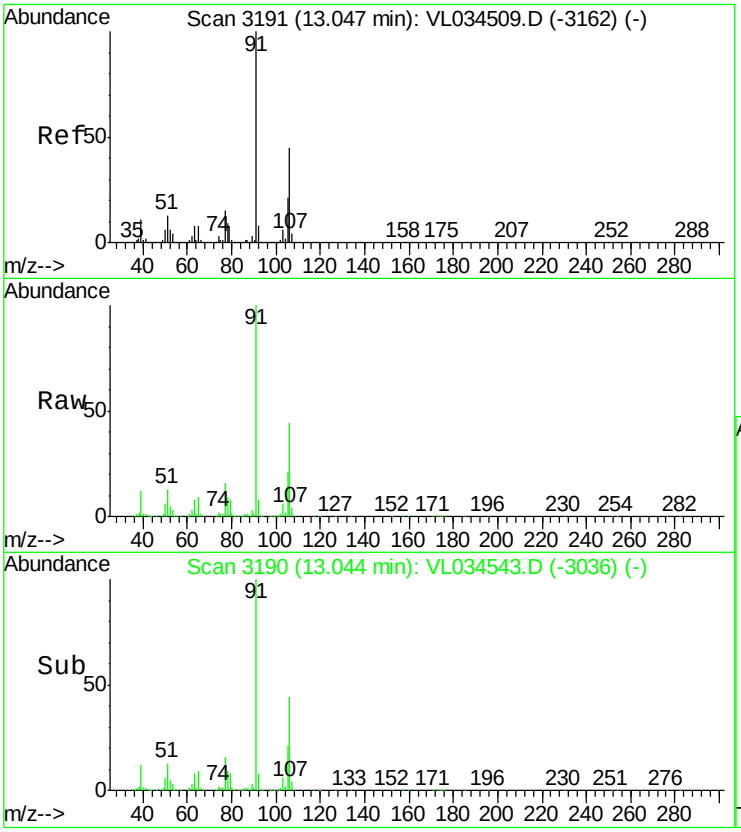


#58
Ethyl Benzene
Concen: 9.803 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 91 Resp: 2833545

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.6	36.8



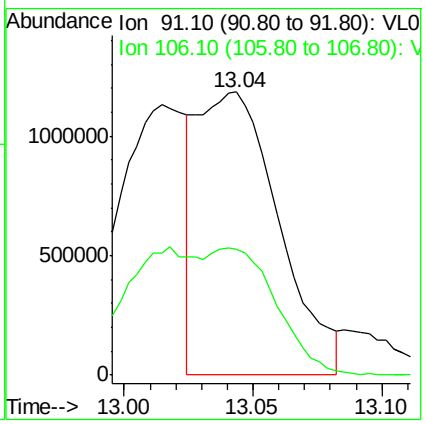


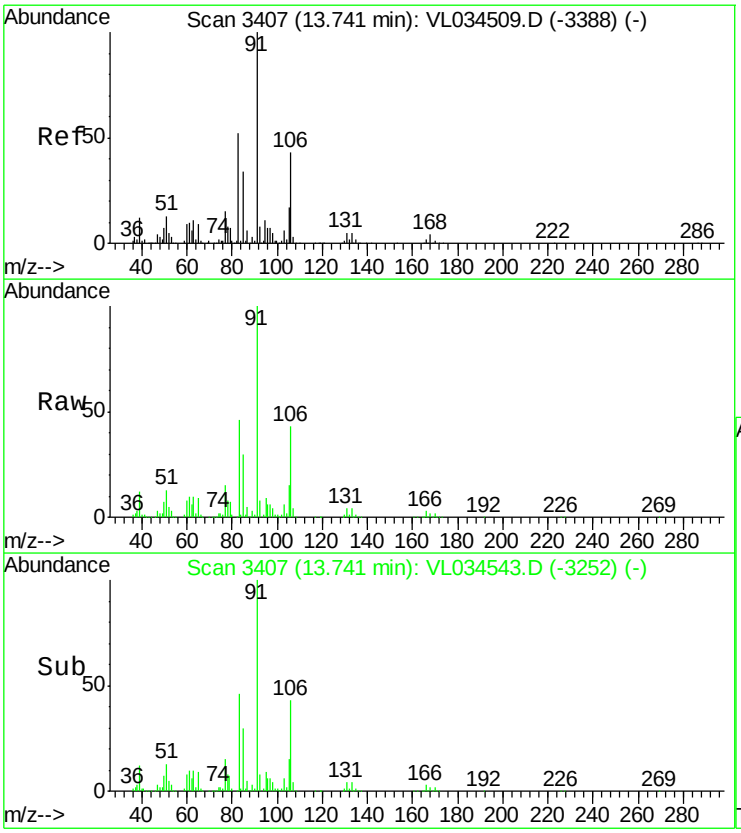
#59
m/p-Xylene
Concen: 10.250 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2590715

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

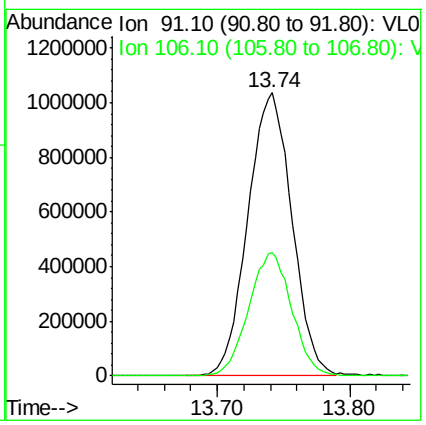


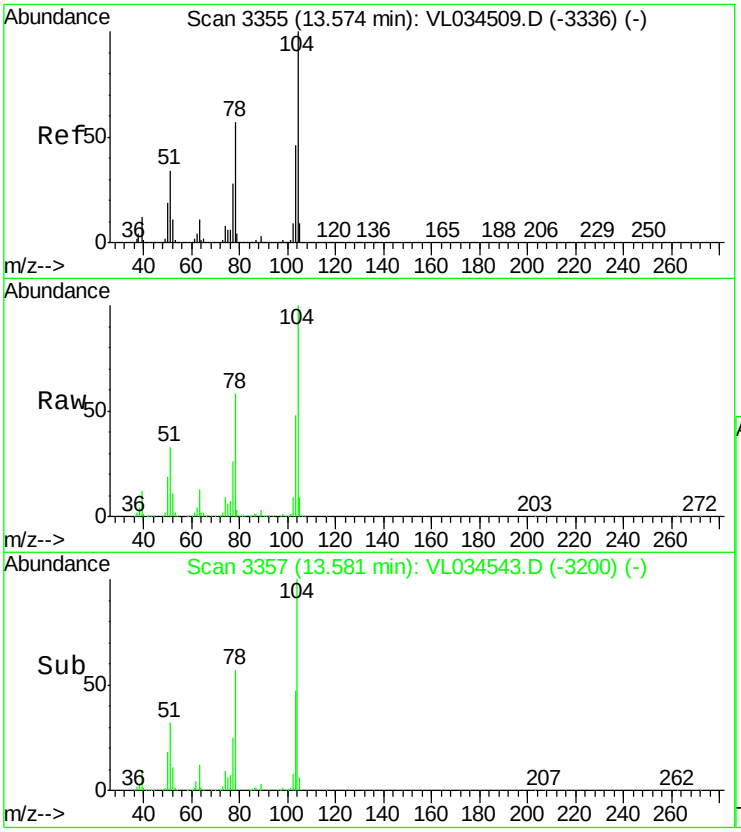


#60
o-Xylene
Concen: 9.472 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 91 Resp: 2402254

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.4	64.3



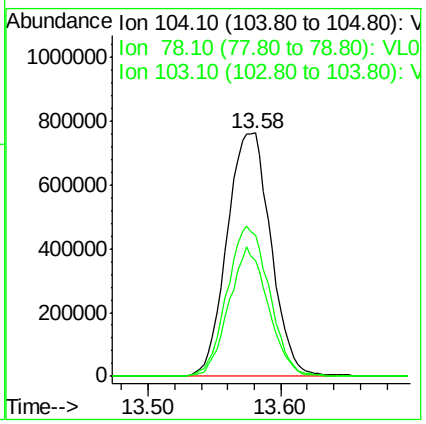


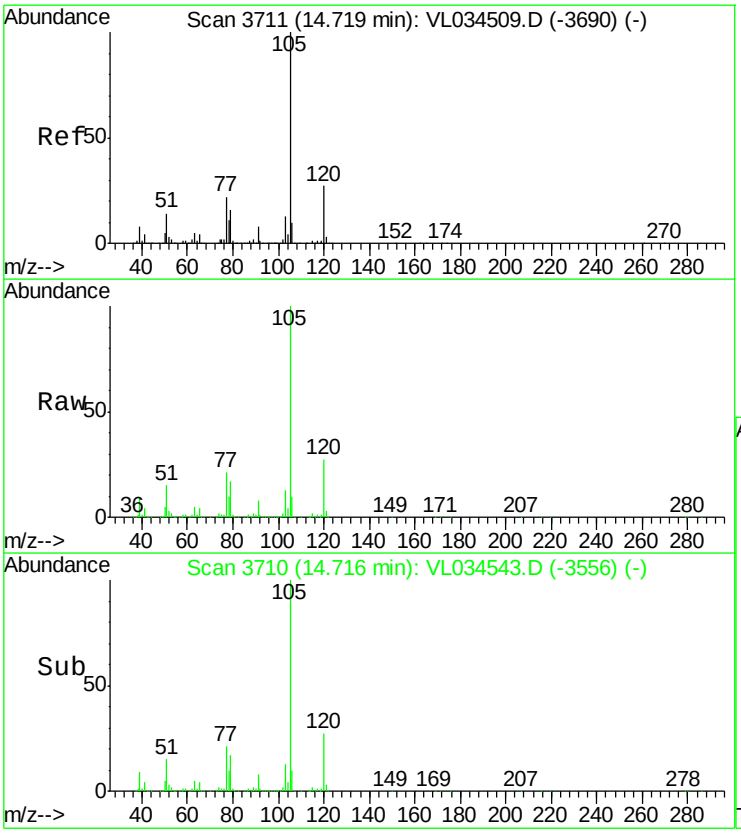
#61
Styrene
Concen: 10.048 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. 0.01 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1742318

Ion	Ratio	Lower	Upper
104	100		
78	60.1	47.7	71.5
103	48.2	38.6	58.0

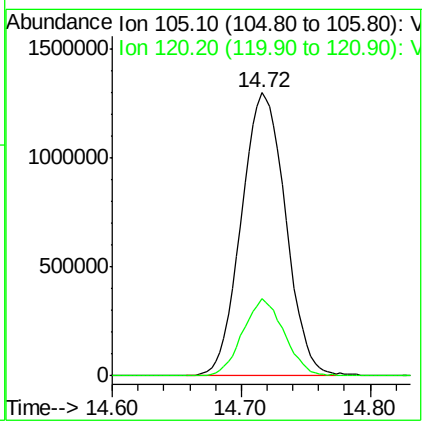


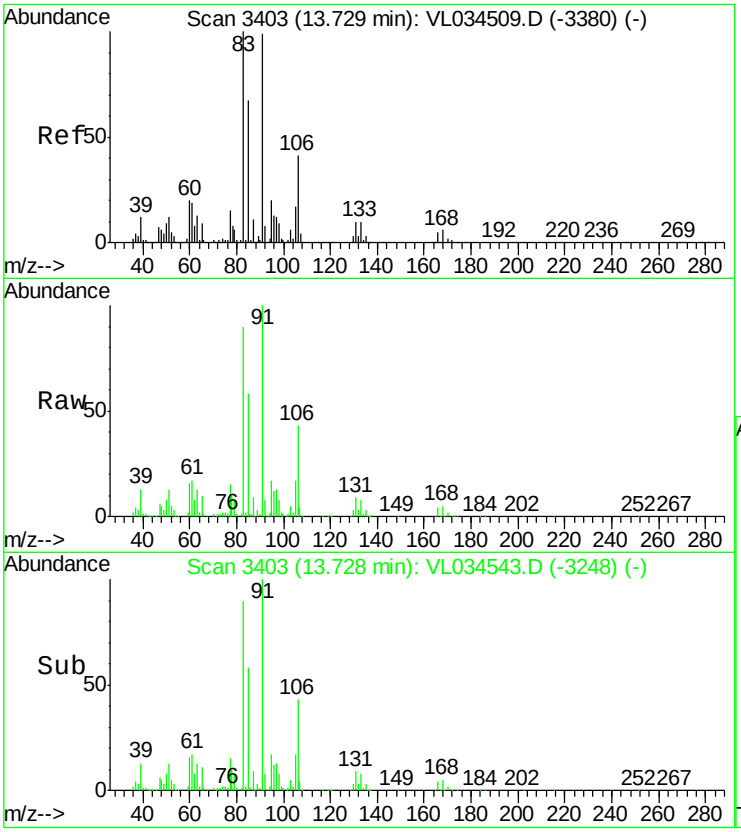


#62
Isopropylbenzene
Concen: 9.341 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:105 Resp: 3098928

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8



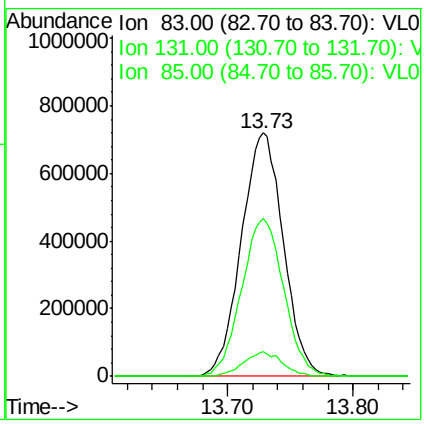


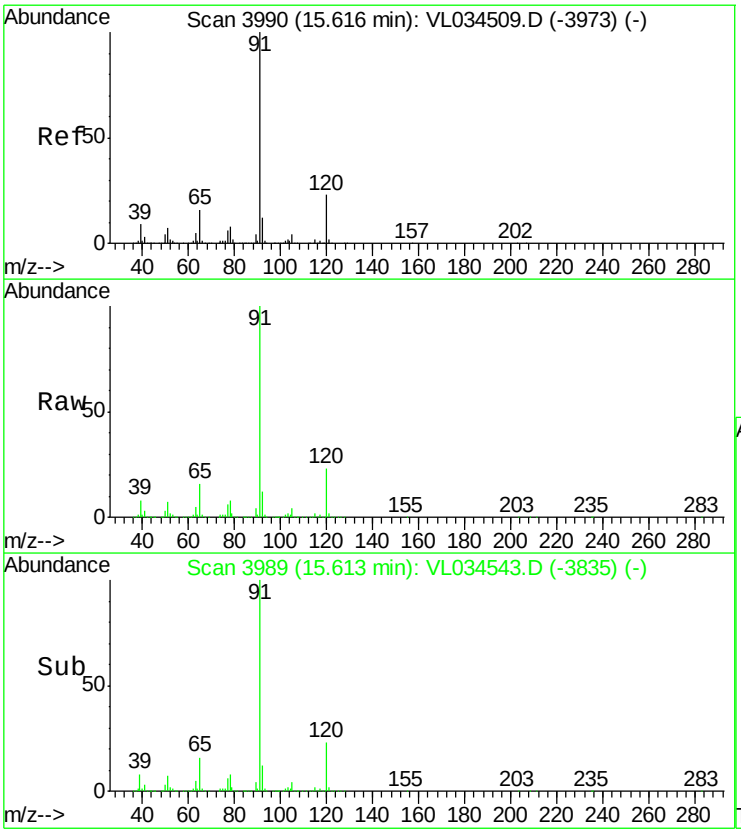
#63
1,1,2,2-Tetrachloroethane
Concen: 8.241 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 1676680

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	65.3	32.5	97.4

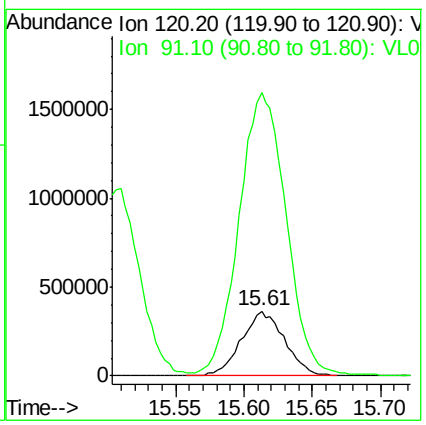


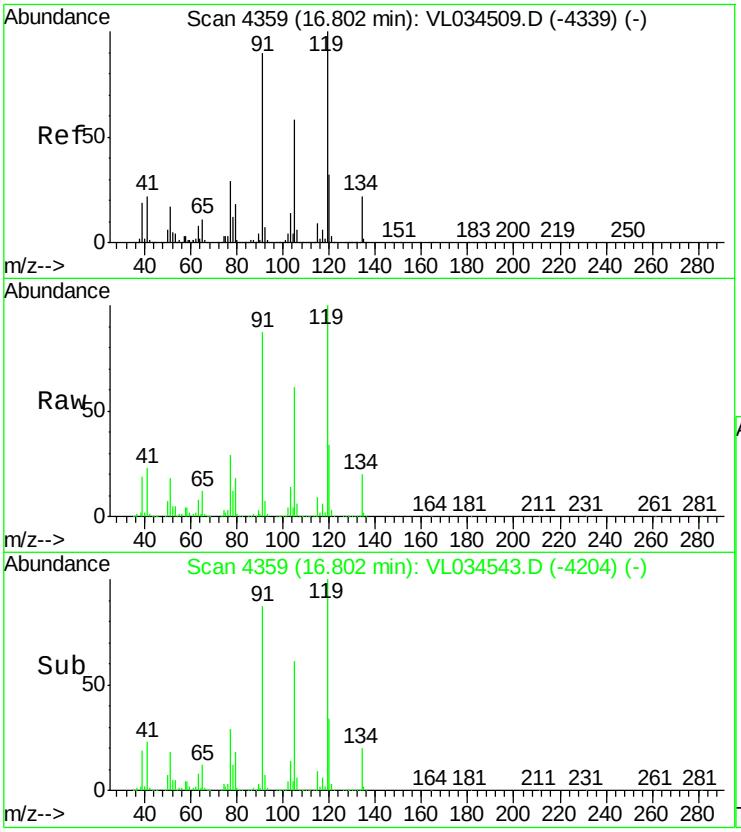


#64
n-propylbenzene
Concen: 9.400 ppbv
RT: 15.61 min Scan# 3989
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:120 Resp: 796318

Ion	Ratio	Lower	Upper
120	100		
91	481.7	375.6	563.4



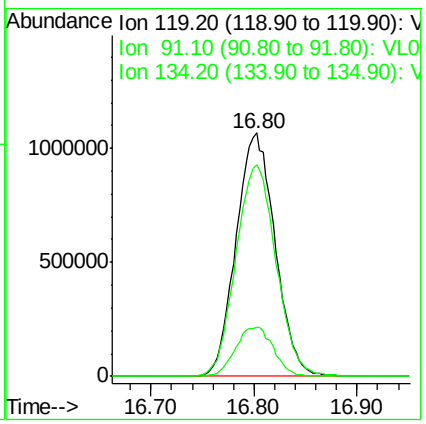


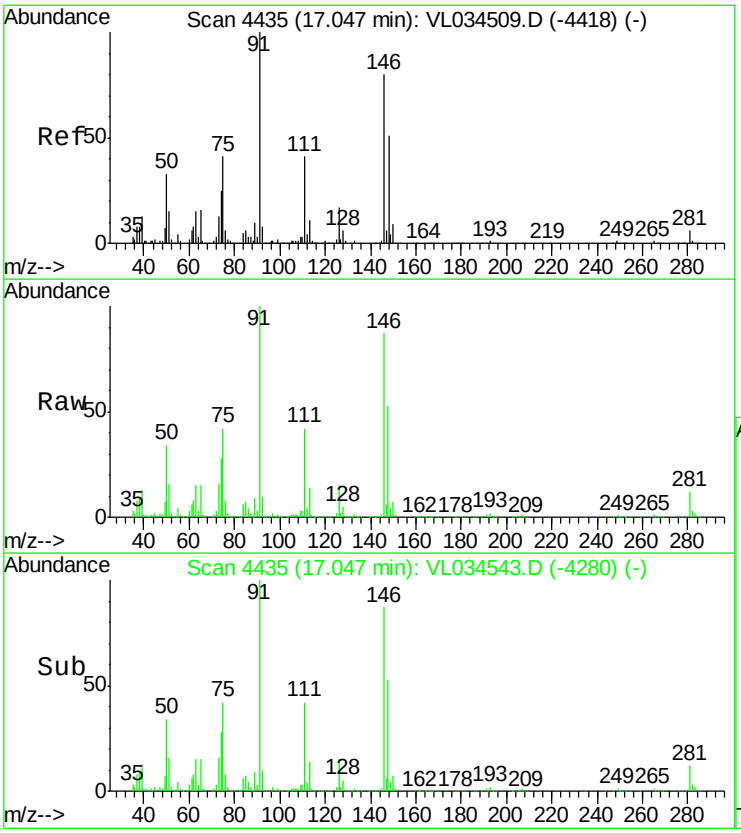
#65
tert-Butylbenzene
Concen: 9.354 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2803668

Ion	Ratio	Lower	Upper
119	100		
91	89.6	72.0	108.0
134	19.9	16.1	24.1

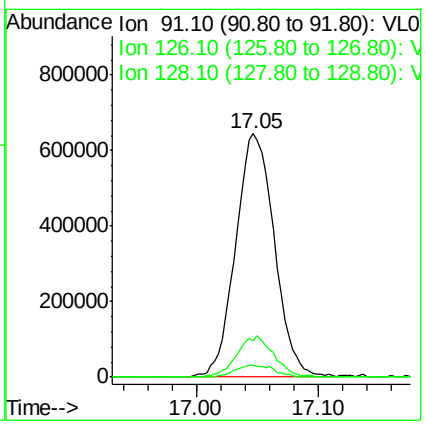


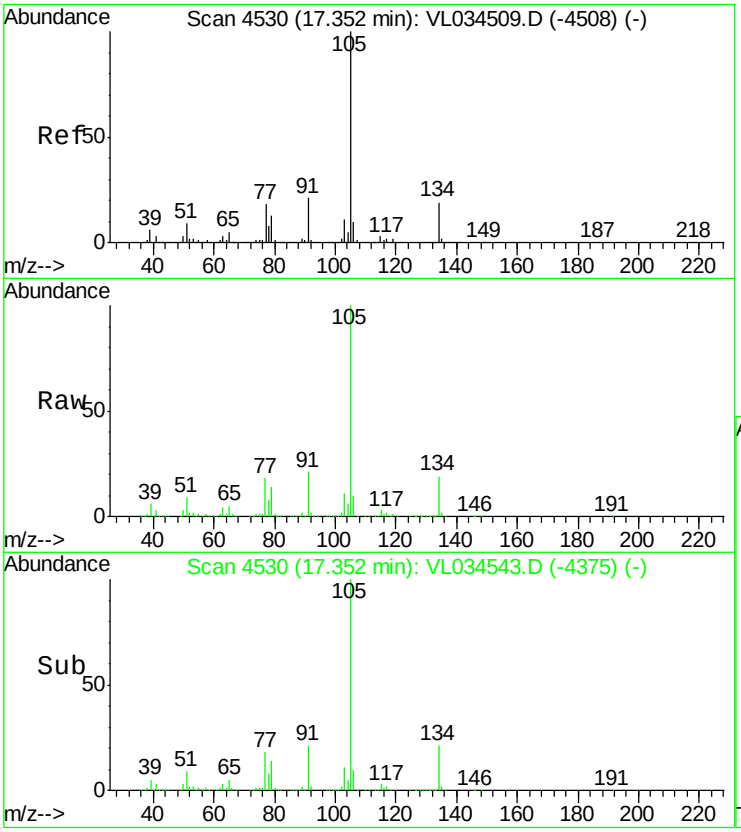


#66
Benzyl Chloride
Concen: 10.730 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 91 Resp: 1409499

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.1	19.7
128	5.1	4.2	6.4



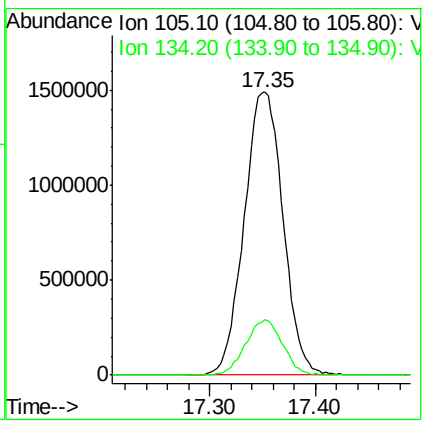


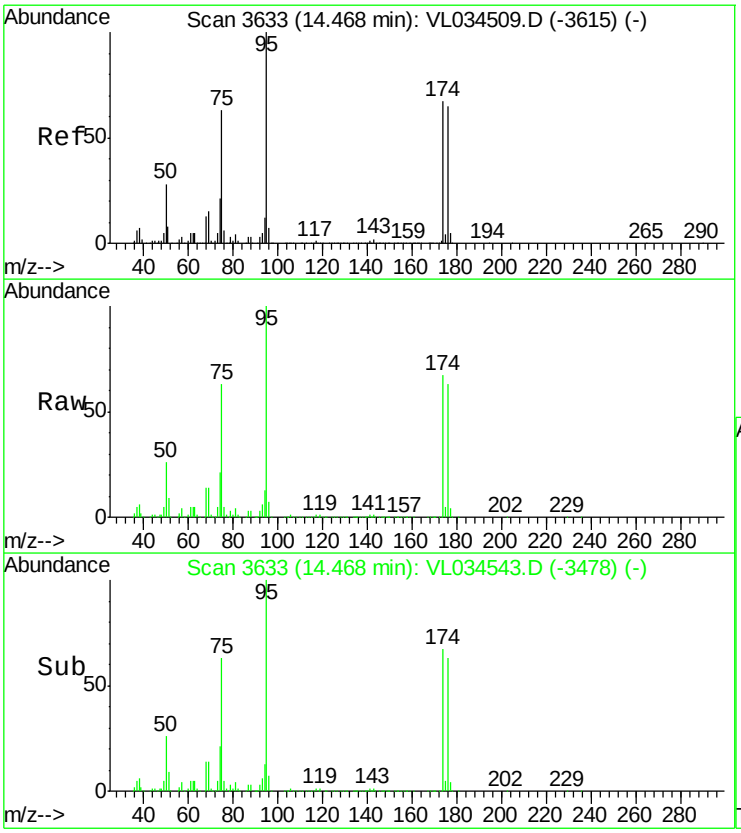
#67
sec-Butylbenzene
Concen: 9.064 ppbv
RT: 17.35 min Scan# 4530
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3815121

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.1	22.7

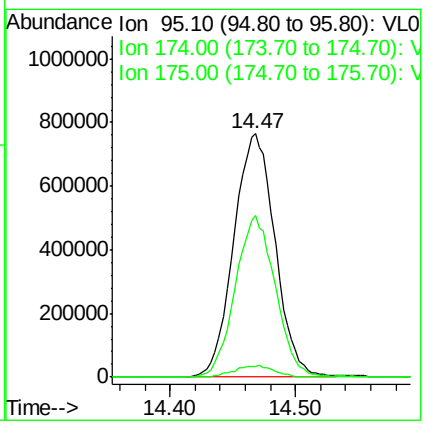


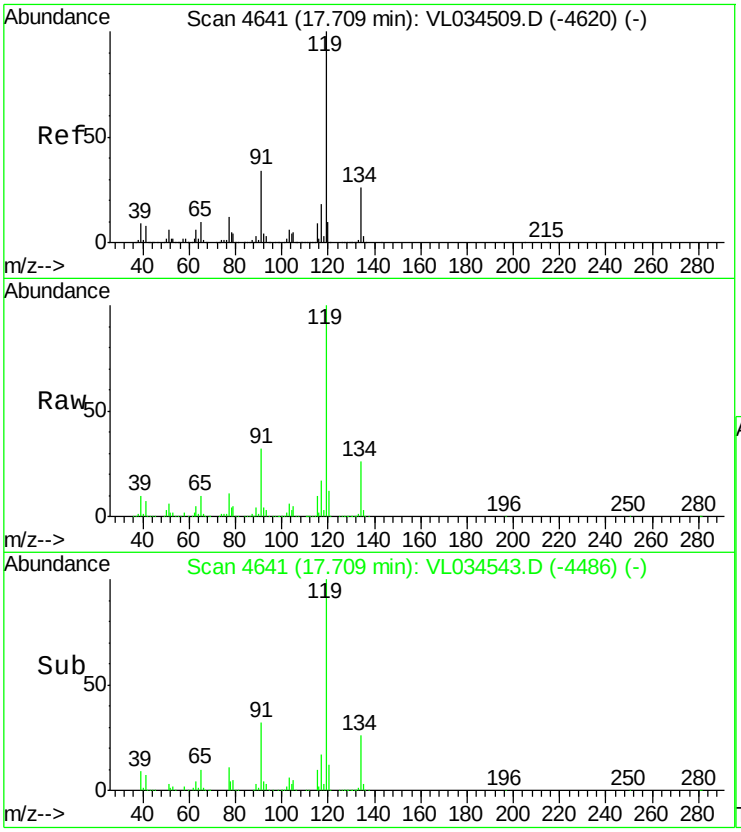


#68
1-Bromo-4-Fluorobenzene
Concen: 9.755 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 95 Resp: 1744670

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.4	78.6
175	4.7	3.9	5.9



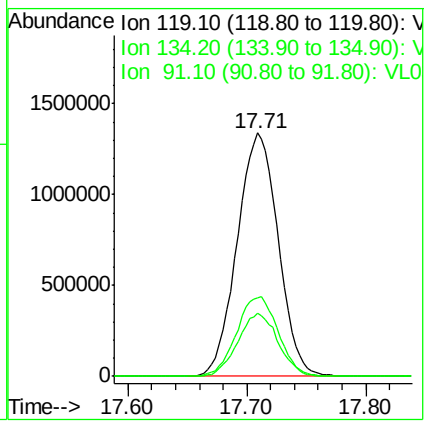


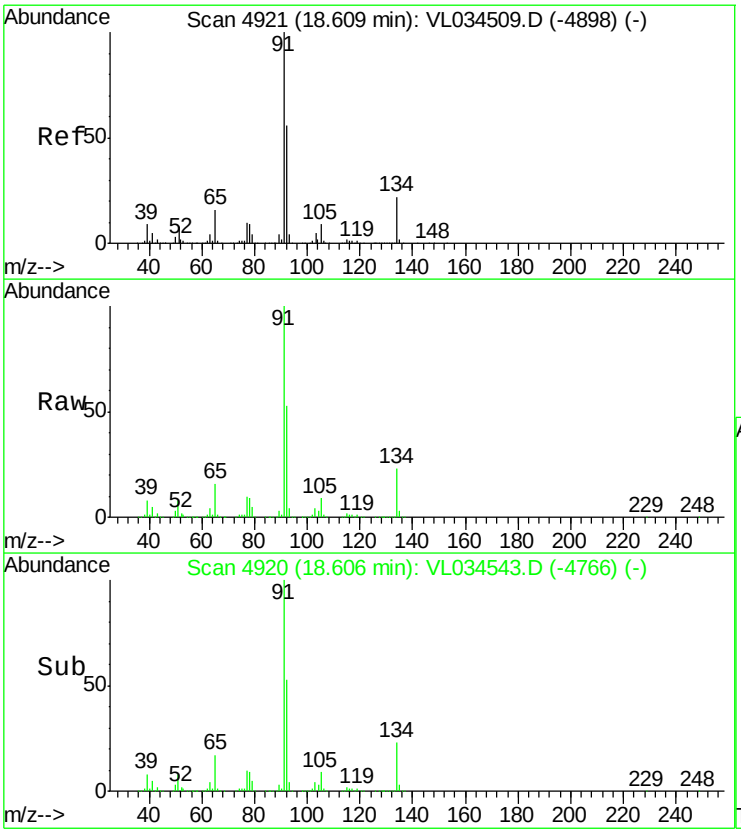
#69
p-Isopropyltoluene
Concen: 9.326 ppbv
RT: 17.71 min Scan# 4641
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3183603

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.7	31.1
91	33.4	26.6	39.8

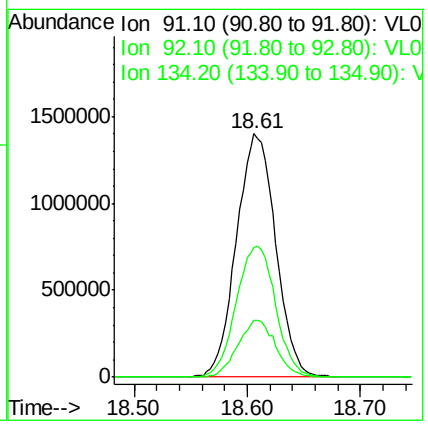


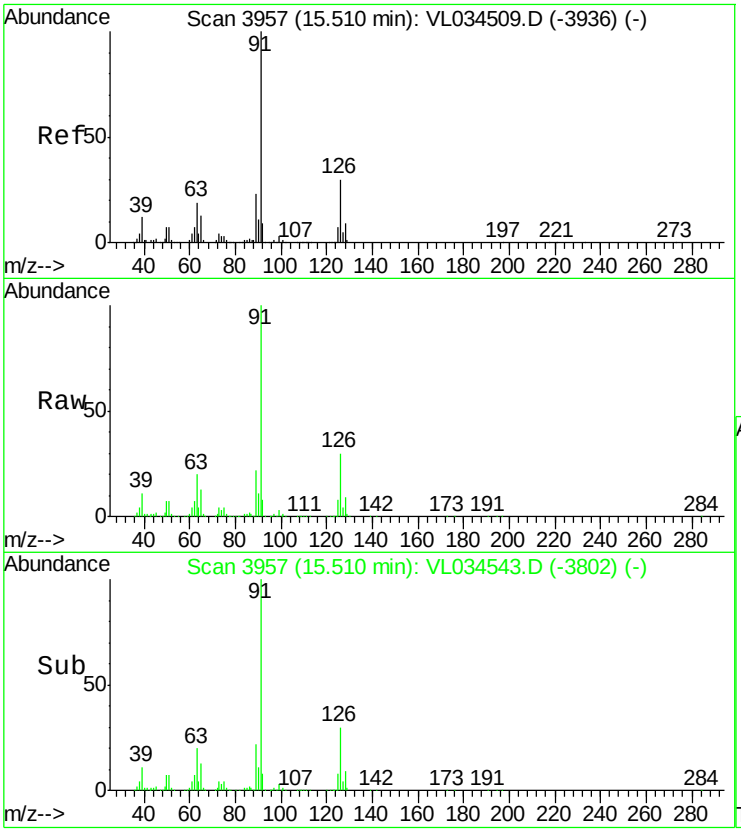


#70
n-Butylbenzene
Concen: 9.128 ppbv
RT: 18.61 min Scan# 4920
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 91 Resp: 3362311

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.6
134	22.6	18.0	27.0



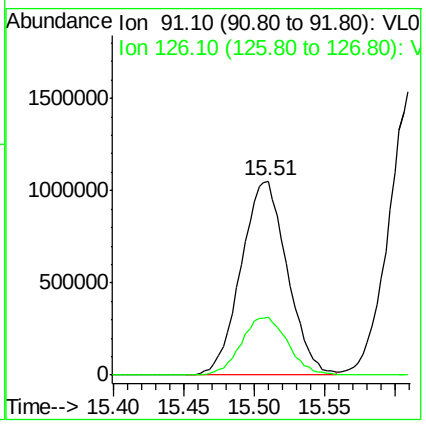


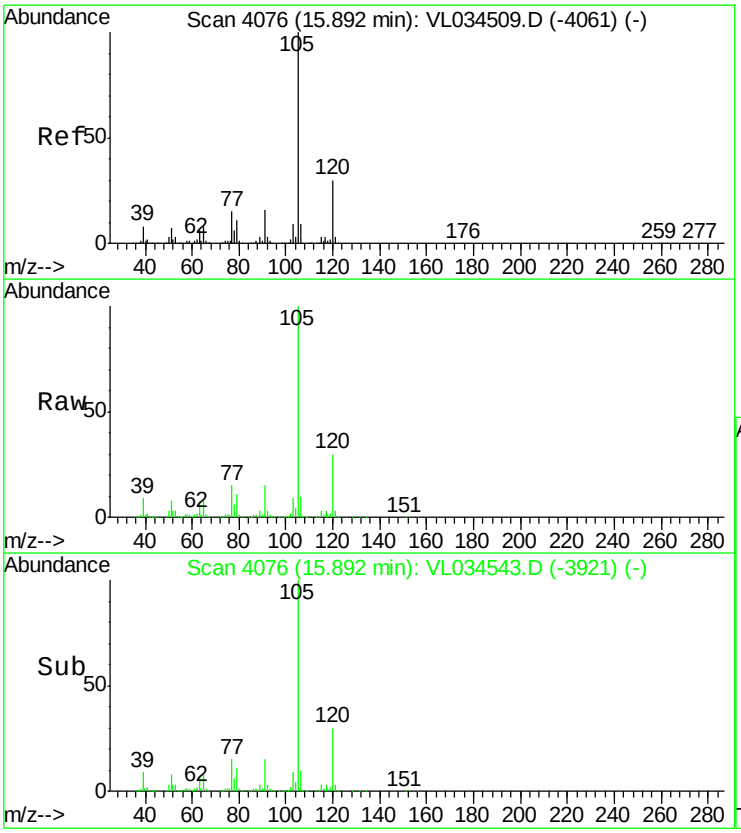
#71
2-Chlorotoluene
Concen: 9.332 ppbv
RT: 15.51 min Scan# 3957
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2404259

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	47.8

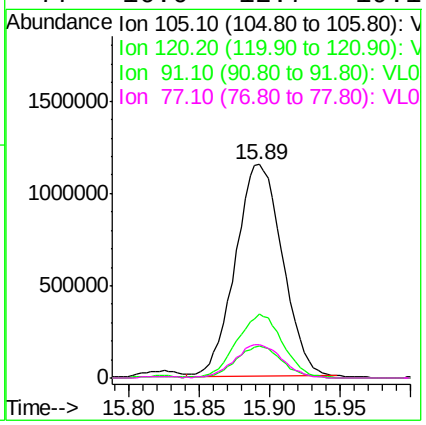


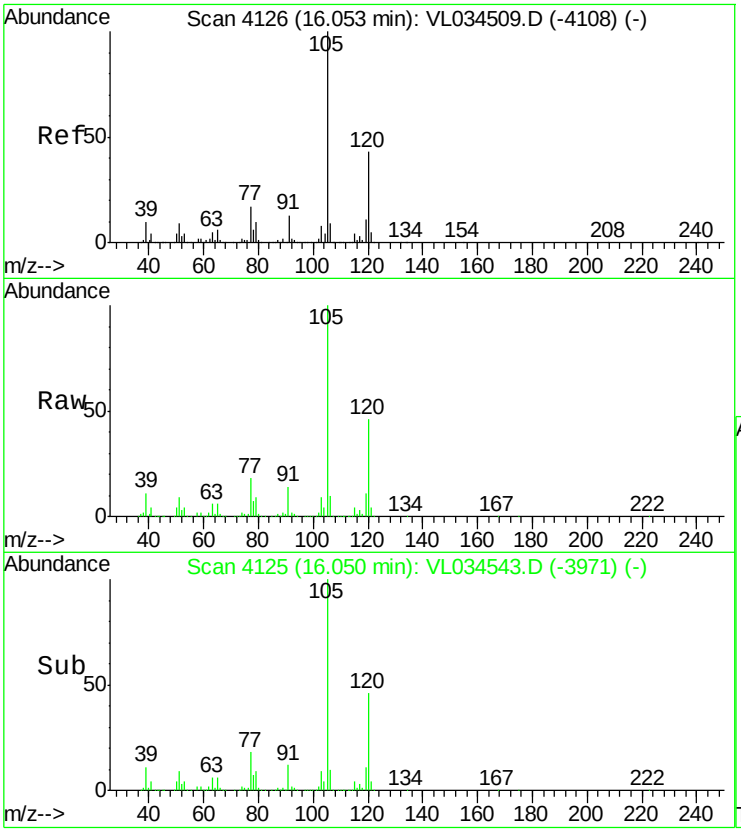


#72
4-Ethyltoluene
Concen: 9.441 ppbv
RT: 15.89 min Scan# 4076
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:105 Resp: 2679326

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.7	35.5
91	14.9	11.5	17.3
77	16.0	12.7	19.1



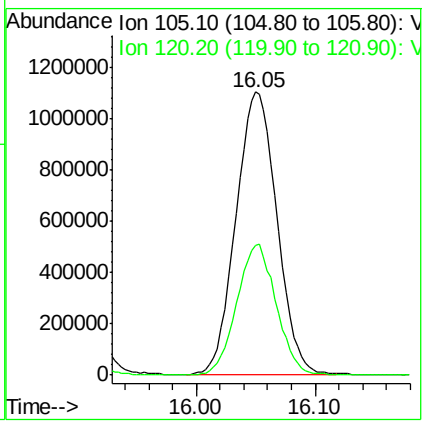


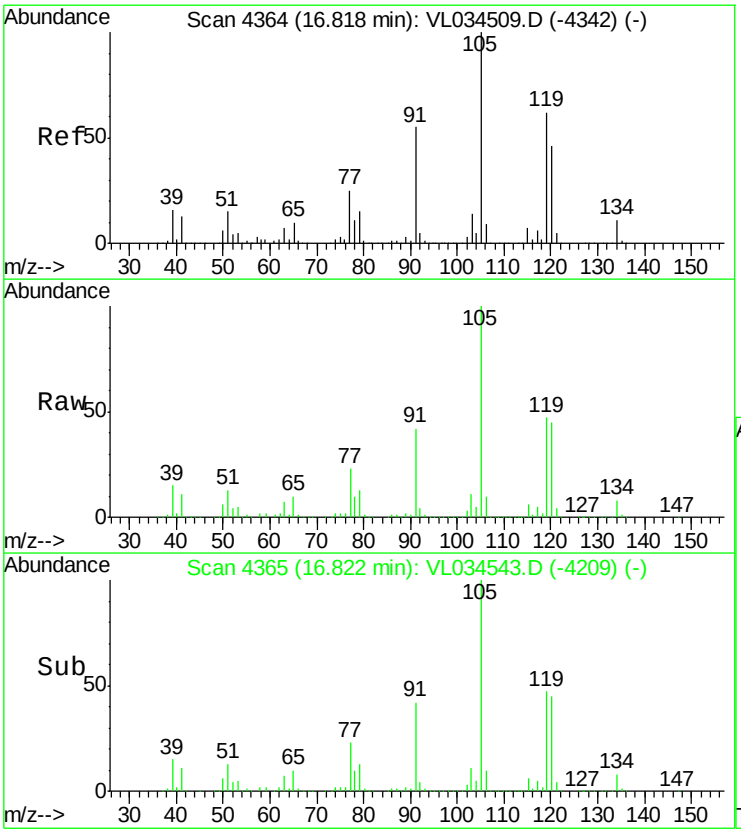
#73
1,3,5-Trimethylbenzene
Concen: 9.449 ppbv
RT: 16.05 min Scan# 4125
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2631024

Ion	Ratio	Lower	Upper
105	100		
120	45.8	34.6	52.0

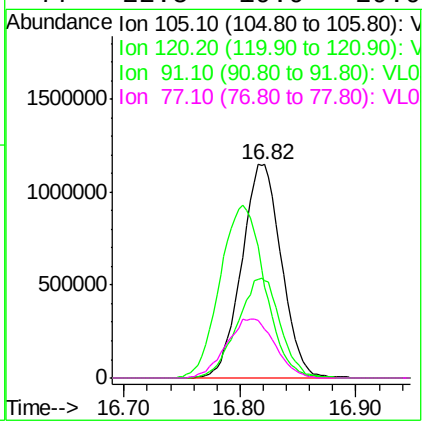


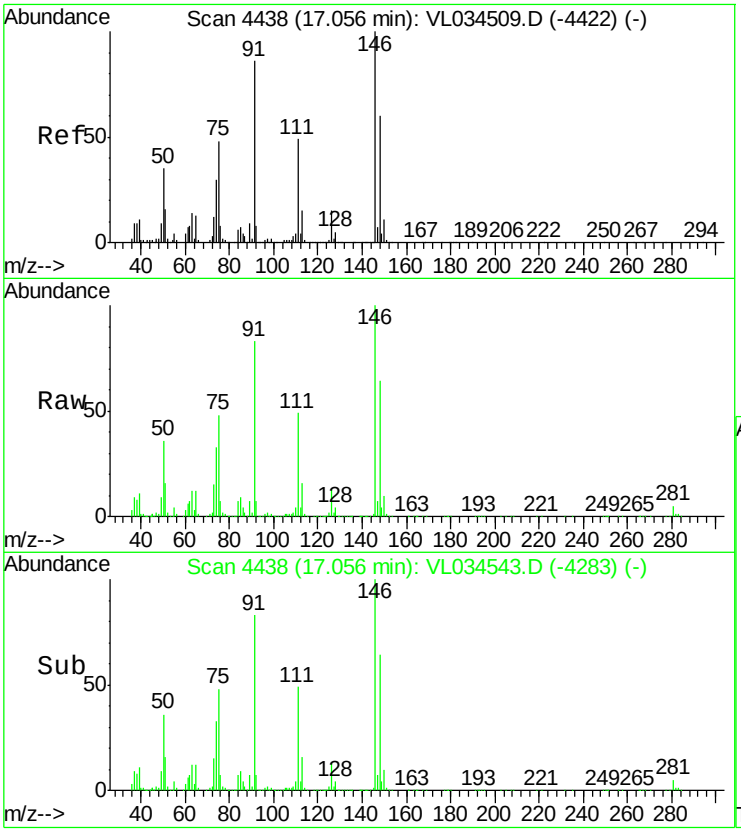


#74
1,2,4-Trimethylbenzene
Concen: 9.206 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:105 Resp: 2742183

Ion	Ratio	Lower	Upper
105	100		
120	45.2	36.7	55.1
91	42.2	44.0	66.0#
77	22.5	19.9	29.9



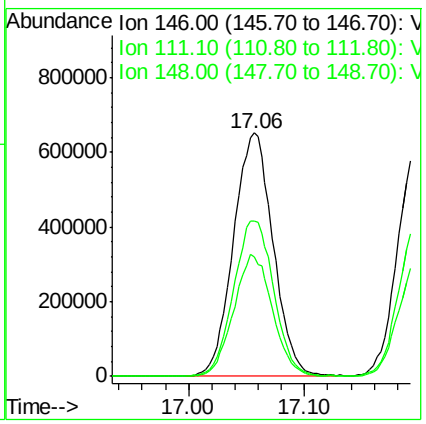


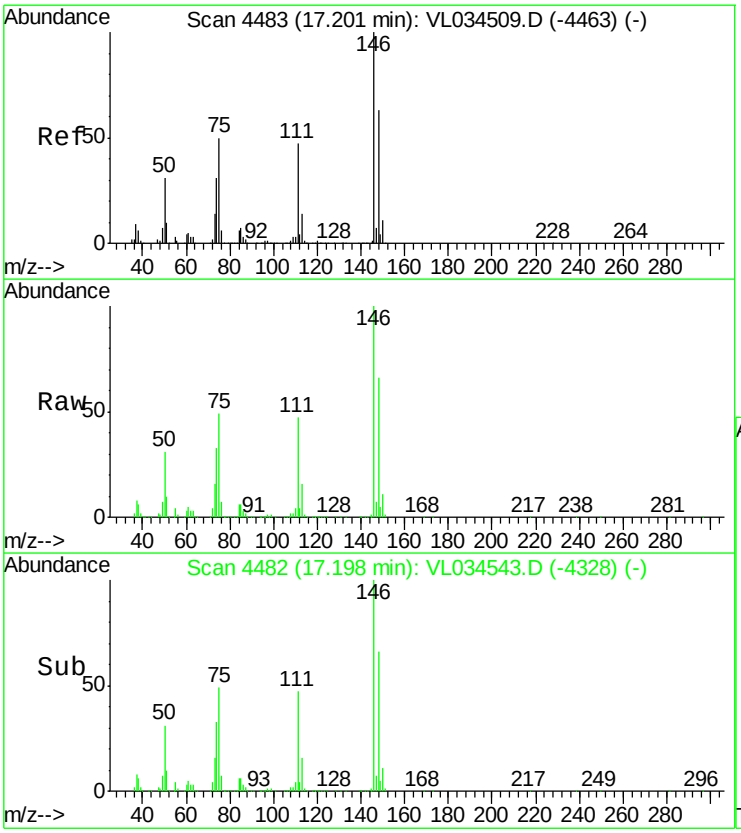
#75
1,3-Dichlorobenzene
Concen: 8.680 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1548532

Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.1	75.3
148	64.8	33.0	99.0

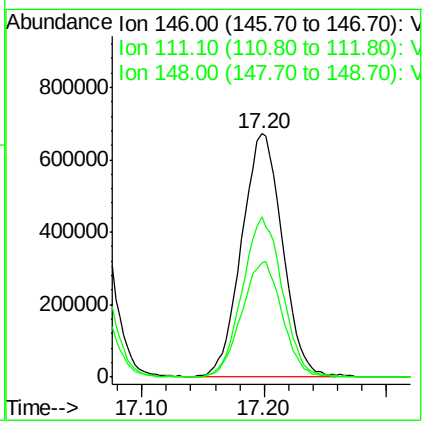


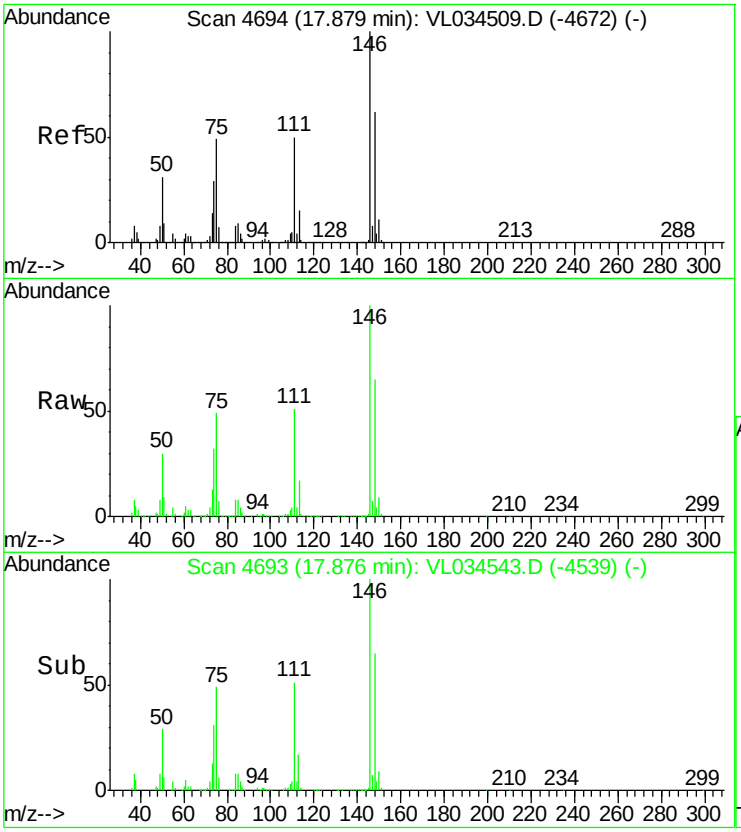


#76
1,4-Dichlorobenzene
Concen: 8.977 ppbv
RT: 17.20 min Scan# 4482
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:146 Resp: 1541875

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.5	70.6
148	65.1	32.1	96.3



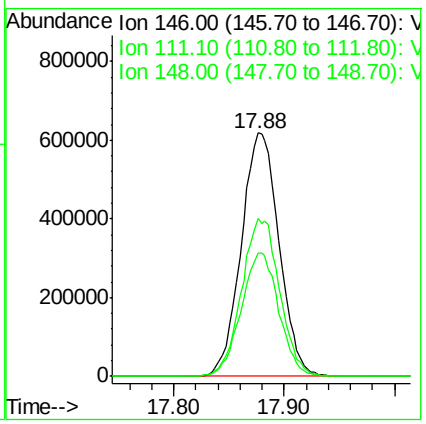


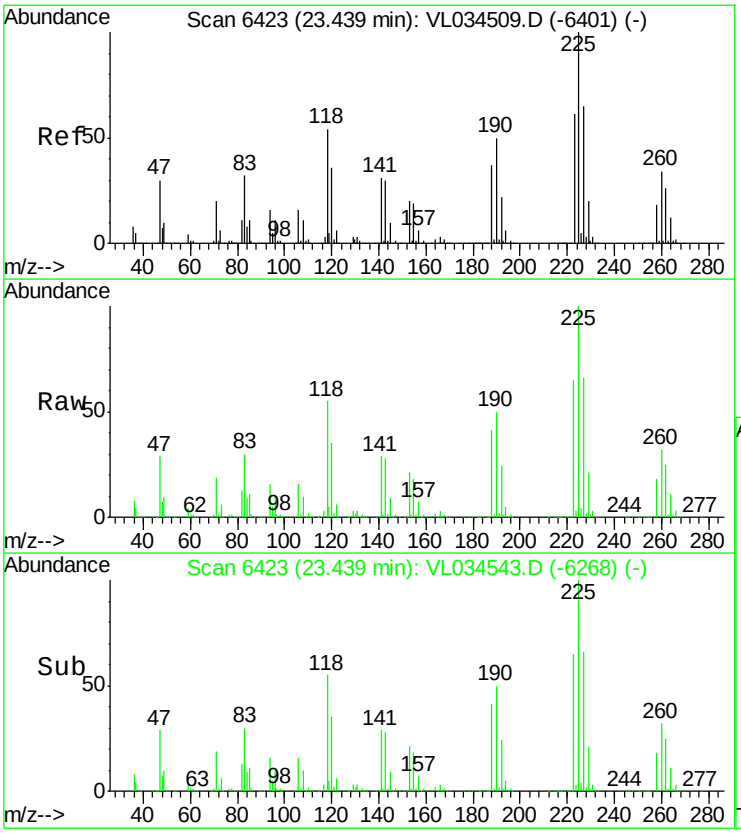
#77
1,2-Dichlorobenzene
Concen: 8.759 ppbv
RT: 17.88 min Scan# 4693
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1468578

Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.3	75.8
148	65.2	32.1	96.3

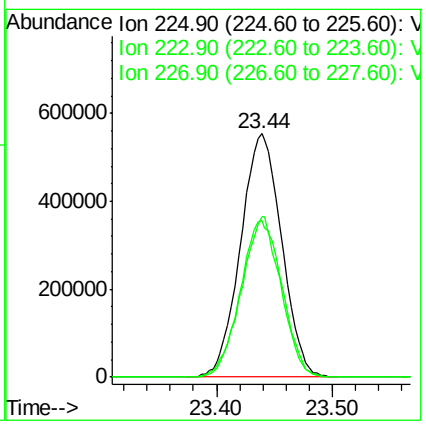


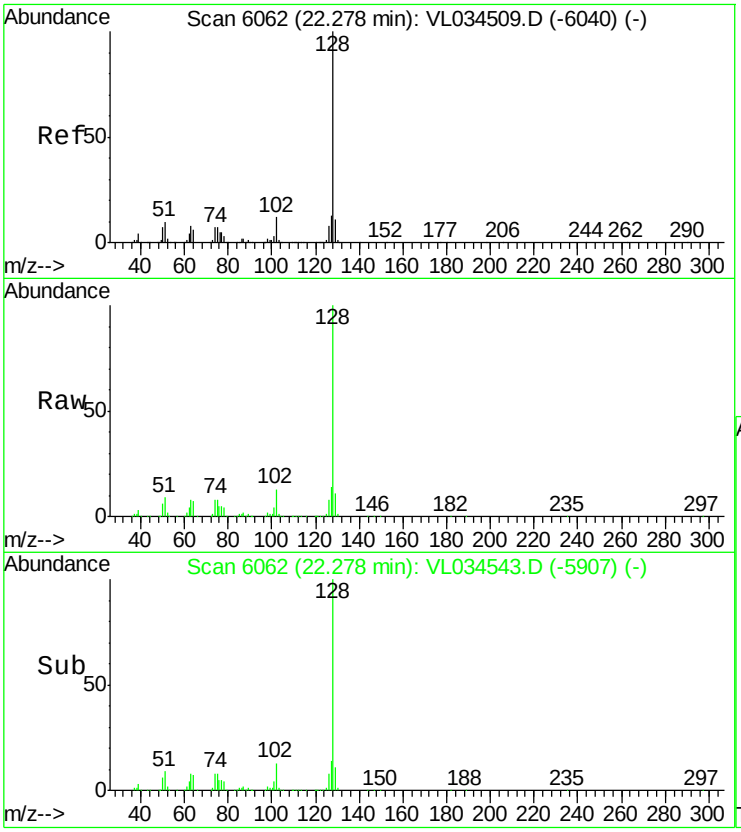


#78
Hexachloro-1,3-Butadiene
Concen: 8.561 ppbv
RT: 23.44 min Scan# 6423
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:225 Resp: 1362479

Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.9	51.8	77.6



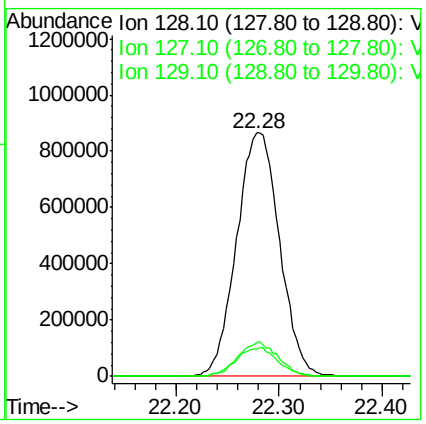


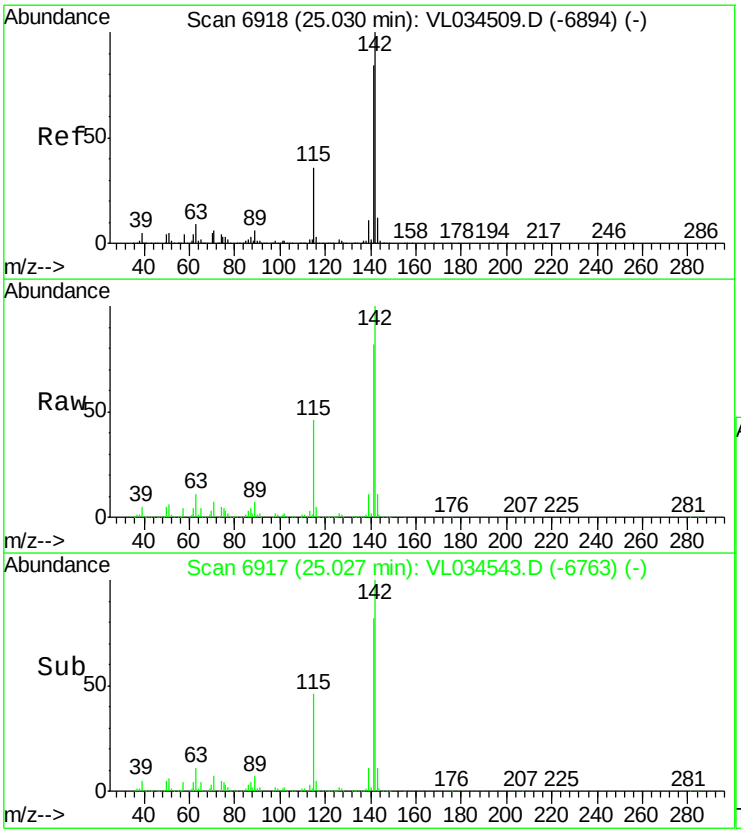
#79
Naphthalene
Concen: 11.157 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2503115

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.1	8.7	13.1

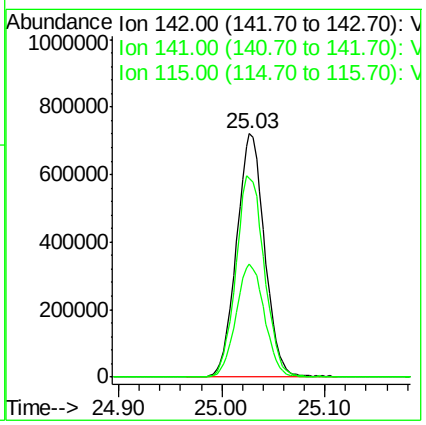


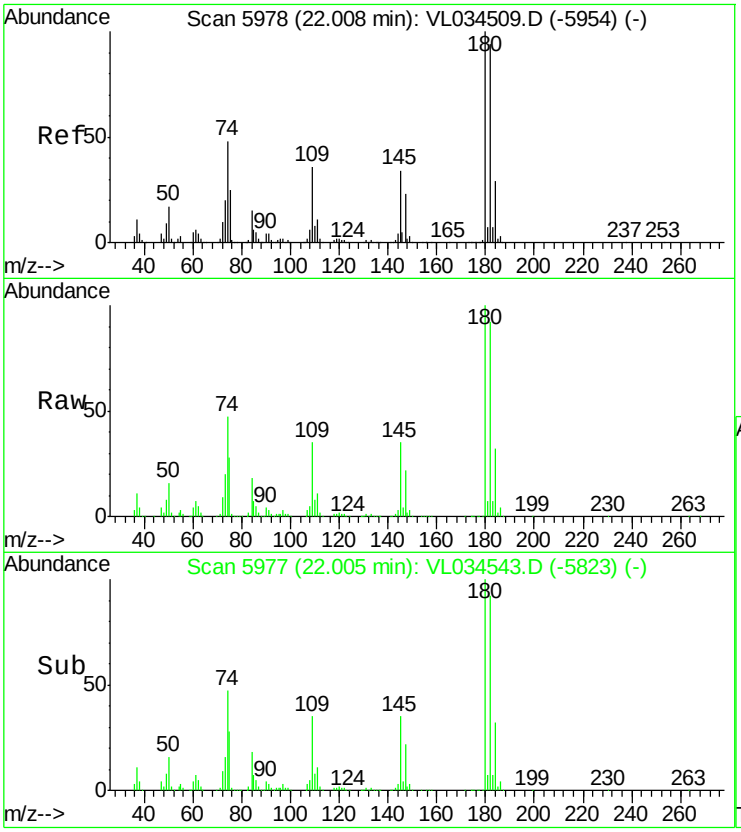


#80
Naphthalene,2-methyl-
Concen: 21.984 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion:142 Resp: 1366267

Ion	Ratio	Lower	Upper
142	100		
141	84.6	65.8	98.8
115	47.6	30.4	45.6#





#81
1,2,4-Trichlorobenzene
Concen: 10.252 ppbv
RT: 22.00 min Scan# 5977
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1497525

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.8	116.8
184	31.1	25.2	37.8