Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034223.D
Acq On : 7 Oct 2019 12:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 02:19:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1045424	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1929659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2454735	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1725325	8.09	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1613908	10.451	ppbv	99
3) Chlorodifluoromethane	2.97	51	1090391	8.896	ppbv	98
4) Chloromethane	3.12	50	675471	9.377	ppbv	95
5) Vinyl Chloride	3.24	62	590920	8.977	ppbv	96
6) Bromomethane	3.47	94	297311	9.680	ppbv	98
7) Chloroethane	3.55	64	218002	9.475	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1257003	9.223	ppbv	99
9) Propene	2.99	41	561504	9.285	ppbv	100
10) Heptane	8.17	43	1450350	9.202	ppbv	98
11) Trichlorofluoromethane	3.95	101	1309487	9.316	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	879401	9.560	ppbv	97
13) Ethanol	3.60	45	105230	7.186	ppbv	99
14) Bromoethene	3.73	108	380917	10.128	ppbv	99
15) Acetone	3.85	43	1104935	7.886	ppbv	100
16) 1,3-Butadiene	3.31	39	574280	9.392	ppbv	98
17) tert-Butyl alcohol	4.29	59	833546	9.389	ppbv	100
18) 1,1-Dichloroethene	4.29	96	409681	10.211	ppbv	91
19) Isopropyl Alcohol	3.97	45	721294	8.371	ppbv	100
20) Methylene Chloride	4.35	84	369128	9.137	ppbv	92
21) Allyl Chloride	4.42	41	776911	9.817	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	416319	10.371	ppbv	98
23) Vinyl Acetate	5.09	43	1937545	9.384	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1266096	9.107	ppbv	99
25) Ethyl Acetate	5.70	43	2327271	8.784	ppbv	99
26) Hexane	5.71	57	998125	9.056	ppbv	98
27) Carbon Disulfide	4.56	76	1089680	10.720	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1623753	9.920	ppbv	98
29) Chloroform	5.78	83	1471360	9.342	ppbv	100
30) Cyclohexane	7.17	84	777750	9.774	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1058339	9.420	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1394209	9.179	ppbv	98
34) 2-Butanone	5.26	43	1608477	8.164	ppbv	97
35) Carbon Tetrachloride	7.06	117	1366595	8.524	ppbv	97
36) Benzene	6.93	78	1890670	8.871	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1259435	8.308	ppbv	99
38) Trichloroethene	7.88	130	626078	8.222	ppbv	99
39) 1,2-Dichloropropane	7.66	63	826114	8.627	ppbv	97
40) 1,4-Dioxane	7.88	88	265535	8.569	ppbv #	88
41) Tetrahydrofuran	6.08	42	984352	8.870	ppbv	99
42) Bromodichloromethane	7.84	83	1638654	9.008	ppbv	100
43) Methyl Methacrylate	8.07	69	826822	9.392	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034223.D
Acq On : 7 Oct 2019 12:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 02:19:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3459714	8.433	ppbv		98
45) t-1,3-Dichloropropene	9.34	75	1070057	10.279	ppbv		97
46) cis-1,3-Dichloropropene	8.76	75	1221016	9.751	ppbv		93
47) 1,1,2-Trichloroethane	9.54	97	746710	8.684	ppbv		97
48) Dibromochloromethane	10.37	129	1228747	9.016	ppbv		99
49) Bromoform	13.12	173	1044769	9.473	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2388010	8.328	ppbv		99
51) 2-Hexanone	10.19	43	2008286	8.345	ppbv	#	97
52) Tetrachloroethene	11.29	164	580114	8.239	ppbv		97
53) Toluene	9.87	91	2114952	9.080	ppbv		99
54) 1,2-Dibromoethane	10.68	107	1113722	8.710	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.20	131	800526	7.313	ppbv		99
57) Chlorobenzene	12.22	112	1478906	6.920	ppbv		98
58) Ethyl Benzene	12.78	91	2859207	7.219	ppbv		97
59) m/p-Xylene	13.07	91	2368436	7.219	ppbv	#	38
60) o-Xylene	13.77	91	2299853	7.011	ppbv		99
61) Styrene	13.60	104	1726483	7.348	ppbv		98
62) Isopropylbenzene	14.74	105	2986295	7.032	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.76	83	1647679	6.125	ppbv		99
64) n-propylbenzene	15.64	120	770136	7.168	ppbv		94
65) tert-Butylbenzene	16.83	119	2515836	6.780	ppbv		98
66) Benzyl Chloride	17.08	91	1227776	9.353	ppbv		100
67) sec-Butylbenzene	17.38	105	3648844	6.877	ppbv		99
69) p-Isopropyltoluene	17.73	119	2954393	6.876	ppbv		99
70) n-Butylbenzene	18.63	91	3328752	6.654	ppbv		99
71) 2-Chlorotoluene	15.54	91	2426678	6.994	ppbv		99
72) 4-Ethyltoluene	15.92	105	2639806	7.123	ppbv		98
73) 1,3,5-Trimethylbenzene	16.08	105	2510002	7.010	ppbv		99
74) 1,2,4-Trimethylbenzene	16.85	105	2492836	6.557	ppbv		95
75) 1,3-Dichlorobenzene	17.09	146	1341209	6.575	ppbv		99
76) 1,4-Dichlorobenzene	17.22	146	1384557	6.628	ppbv		100
77) 1,2-Dichlorobenzene	17.91	146	1342026	6.500	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	916820	6.705	ppbv		99
79) Naphthalene	22.31	128	2272252	6.789	ppbv		98
80) Naphthalene,2-methyl-	25.04	142	954862	6.135	ppbv		99
81) 1,2,4-Trichlorobenzene	22.04	180	1244371	6.712	ppbv		99

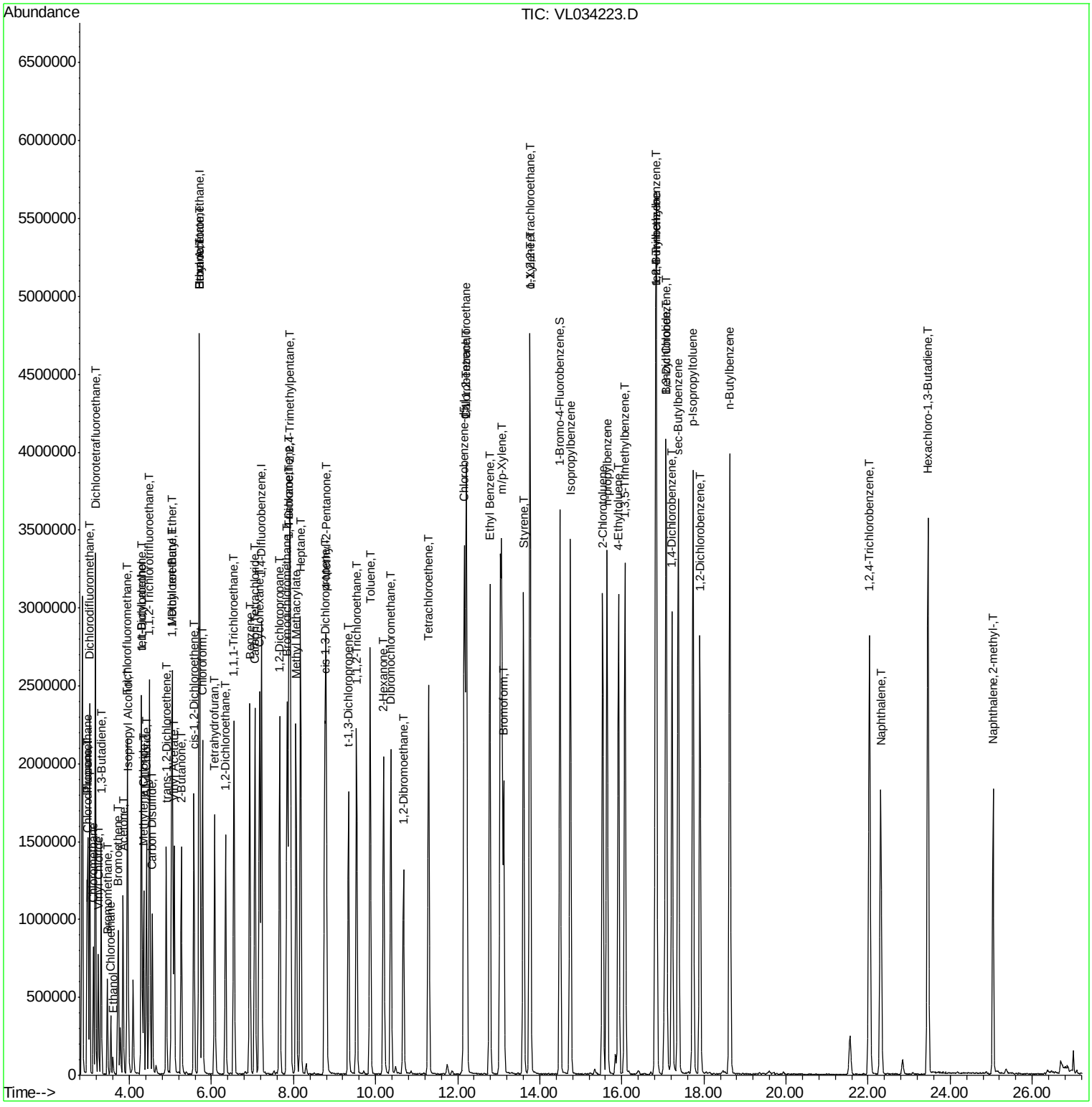
(#) = qualifier out of range (m) = manual integration (+) = signals summed

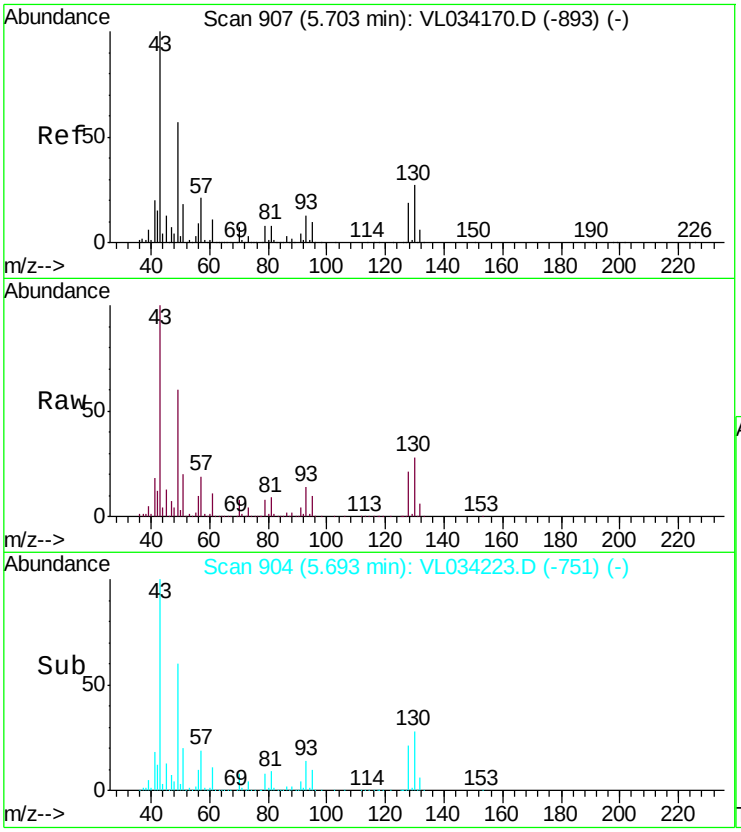
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034223.D
Acq On : 7 Oct 2019 12:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 09 02:19:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



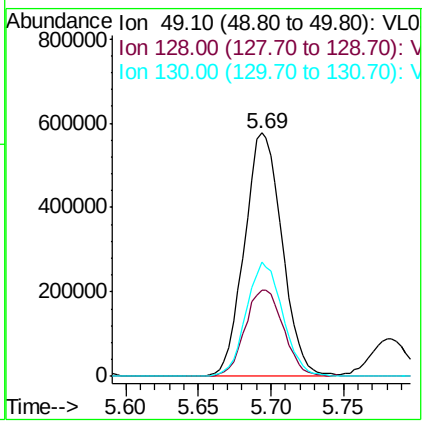


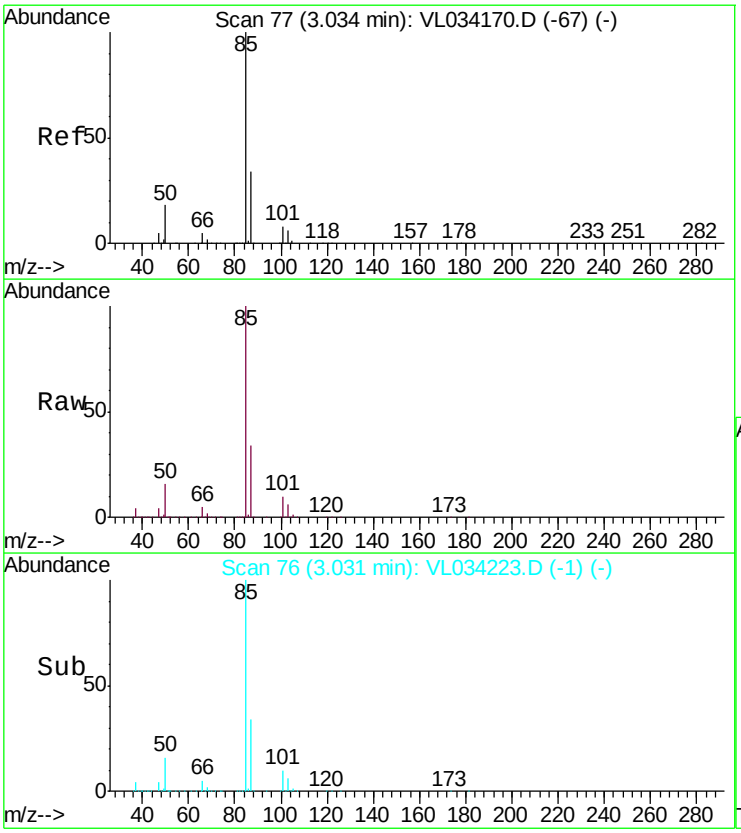
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1045424

Ion	Ratio	Lower	Upper
49	100		
128	36.3	17.6	52.9
130	45.5	22.3	66.9

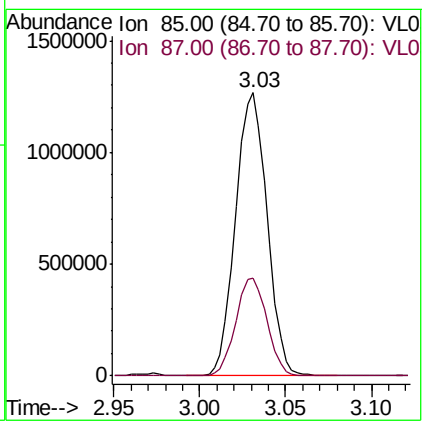


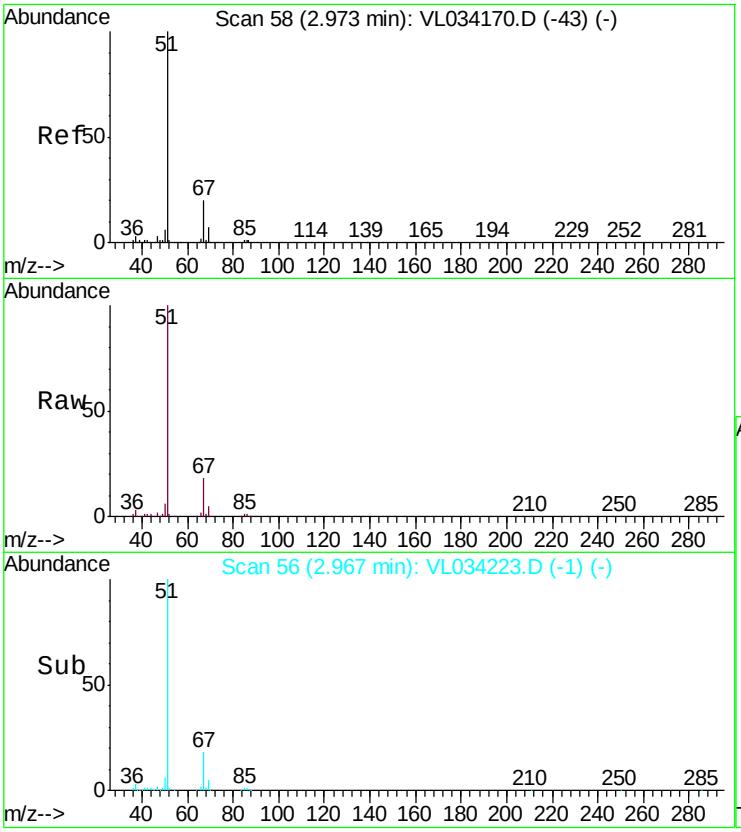


#2
Dichlorodifluoromethane
Concen: 10.451 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 85 Resp: 1613908

Ion	Ratio	Lower	Upper
85	100		
87	34.4	27.2	40.8



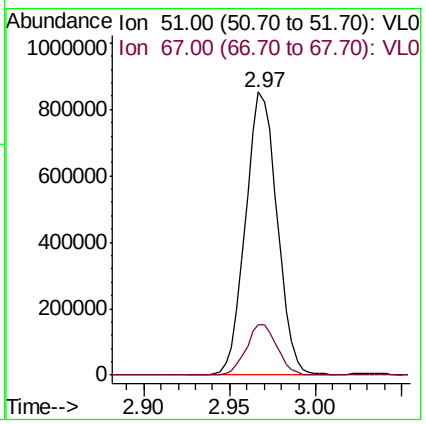


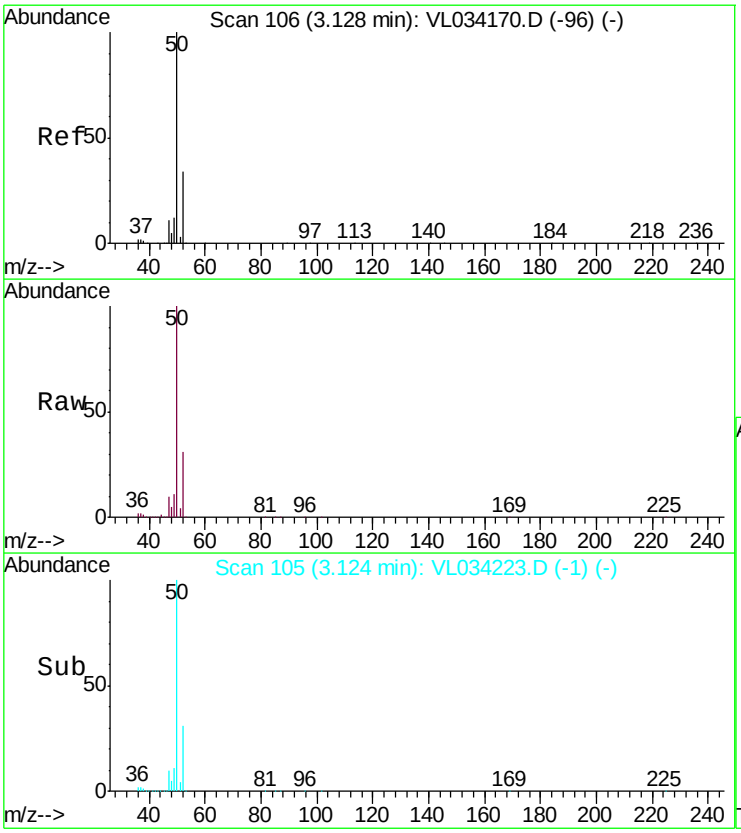
#3
Chlorodifluoromethane
Concen: 8.896 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1090391

Ion	Ratio	Lower	Upper
51	100		
67	17.6	14.8	22.2

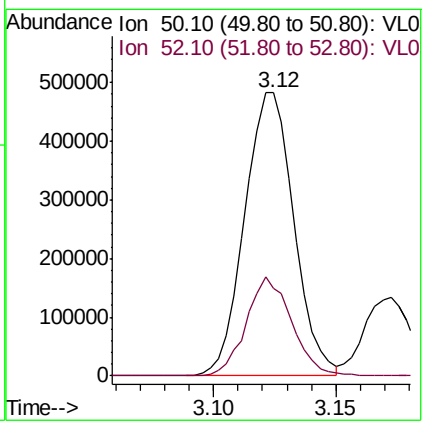


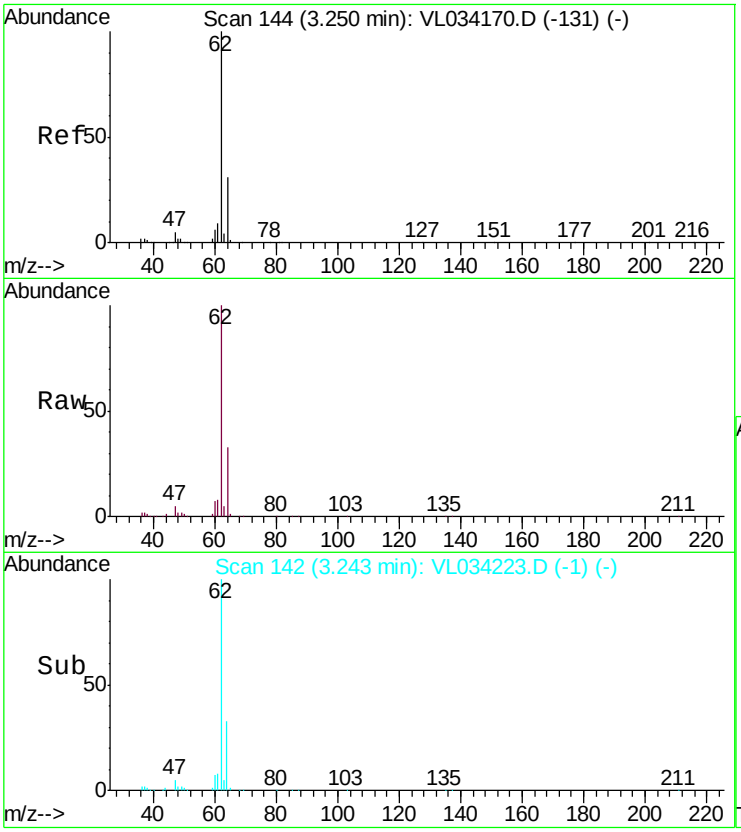


#4
Chloromethane
Concen: 9.377 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 50 Resp: 675471

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.1	40.7



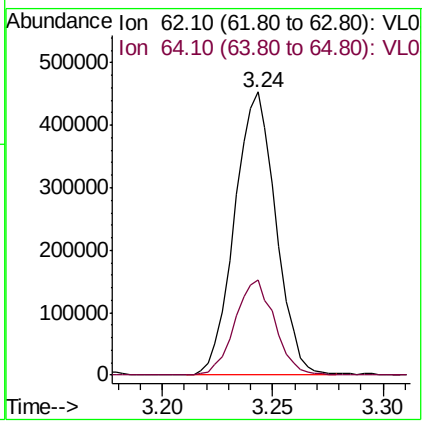


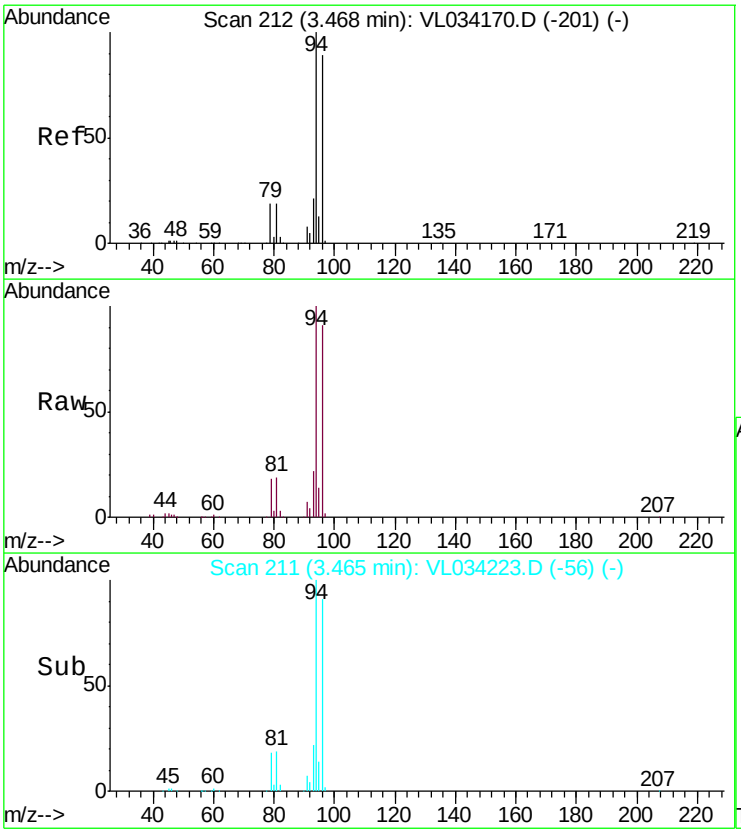
#5
Vinyl Chloride
Concen: 8.977 ppbv
RT: 3.24 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 590920

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.2	37.8

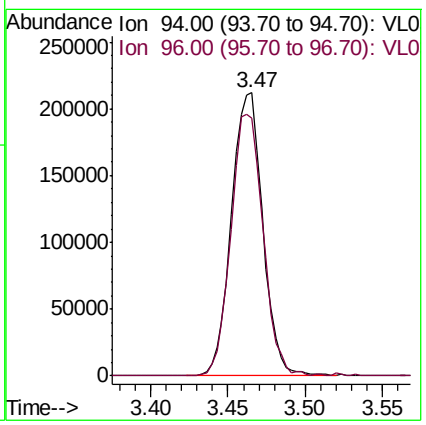


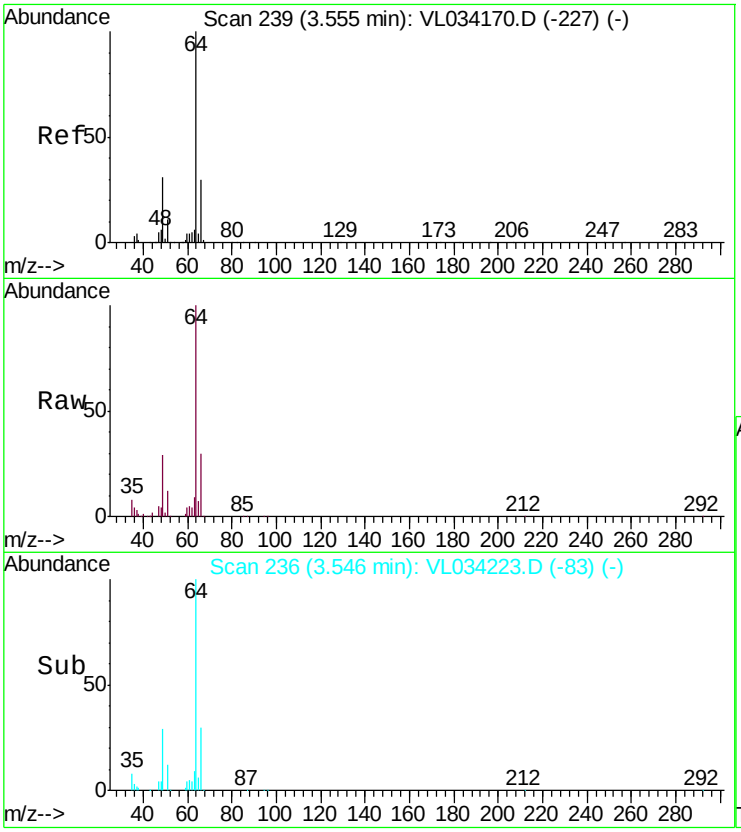


#6
Bromomethane
Concen: 9.680 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 94 Resp: 297311

Ion	Ratio	Lower	Upper
94	100		
96	91.1	71.3	106.9



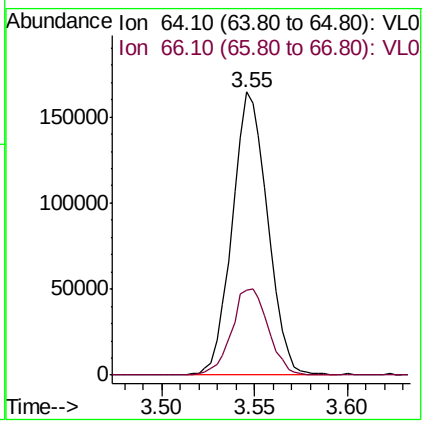


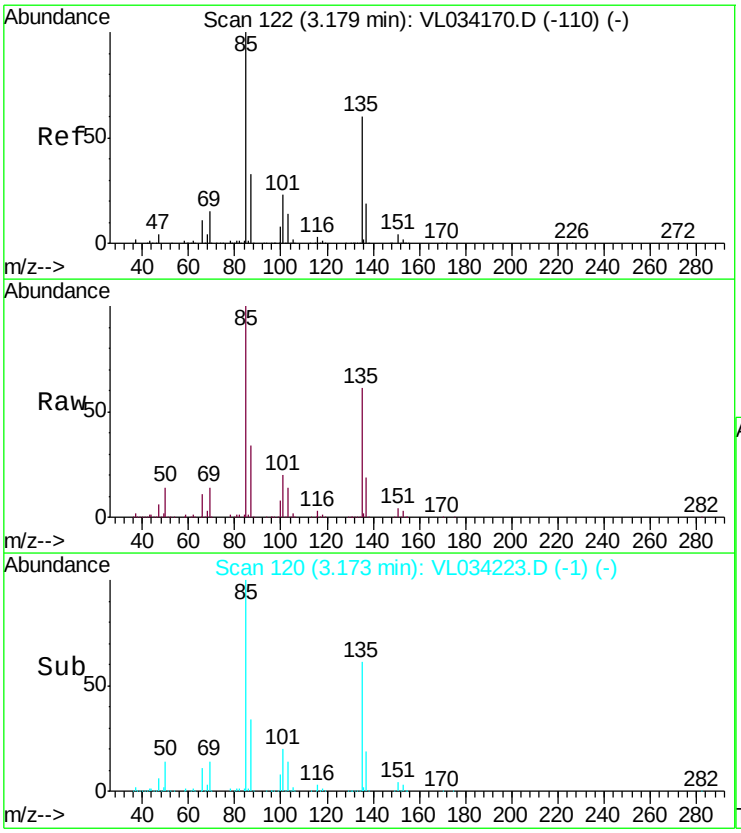
#7
Chloroethane
Concen: 9.475 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 218002

Ion	Ratio	Lower	Upper
64	100		
66	29.9	24.2	36.4

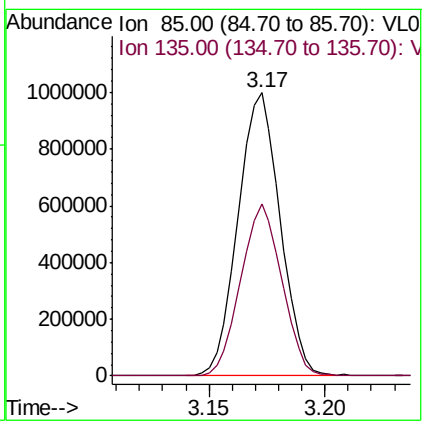


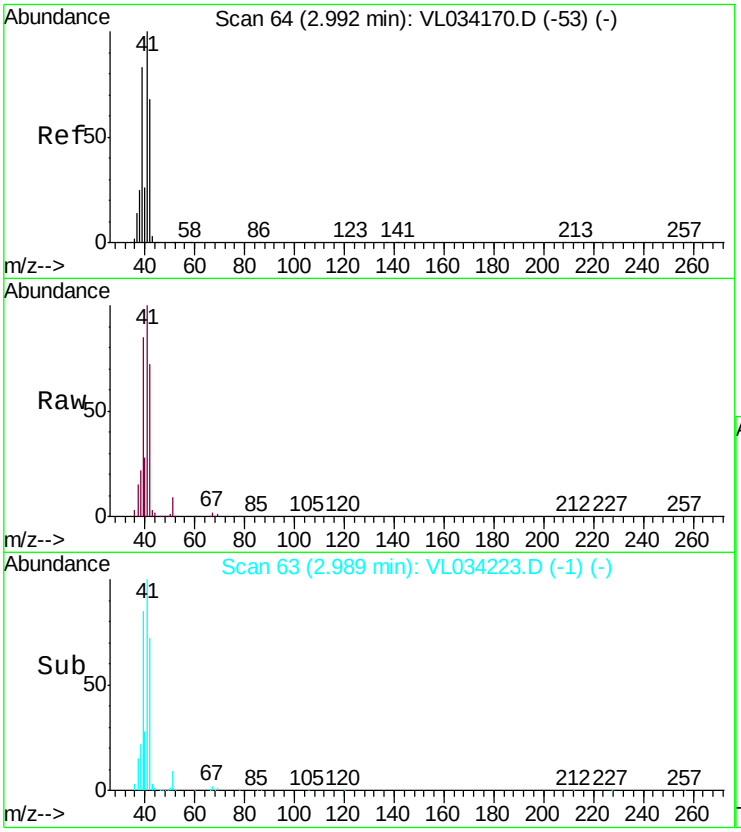


#8
Dichlorotetrafluoroethane
Concen: 9.223 ppbv
RT: 3.17 min Scan# 120
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 85 Resp: 1257003

Ion	Ratio	Lower	Upper
85	100		
135	59.6	47.3	70.9



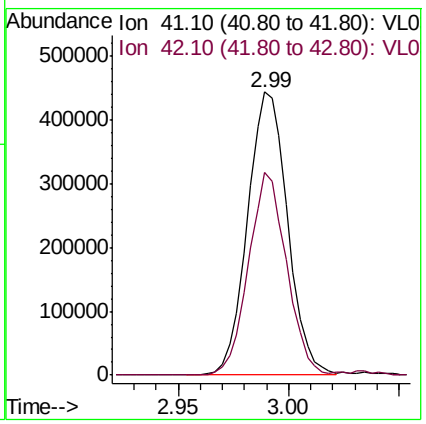


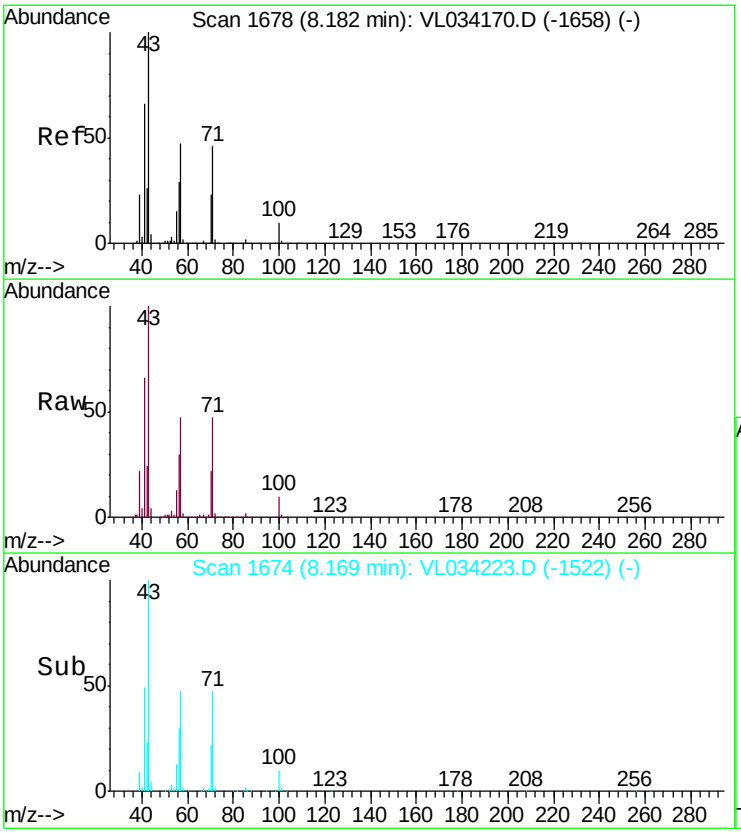
#9
Propene
Concen: 9.285 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 561504

Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.8	83.6

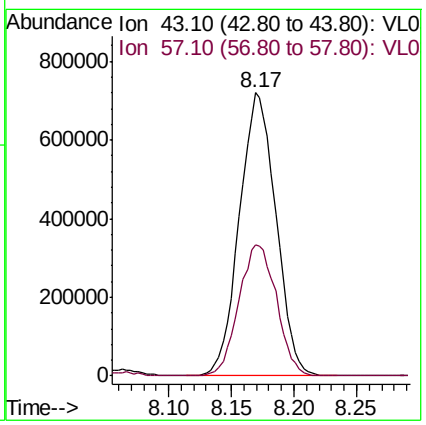


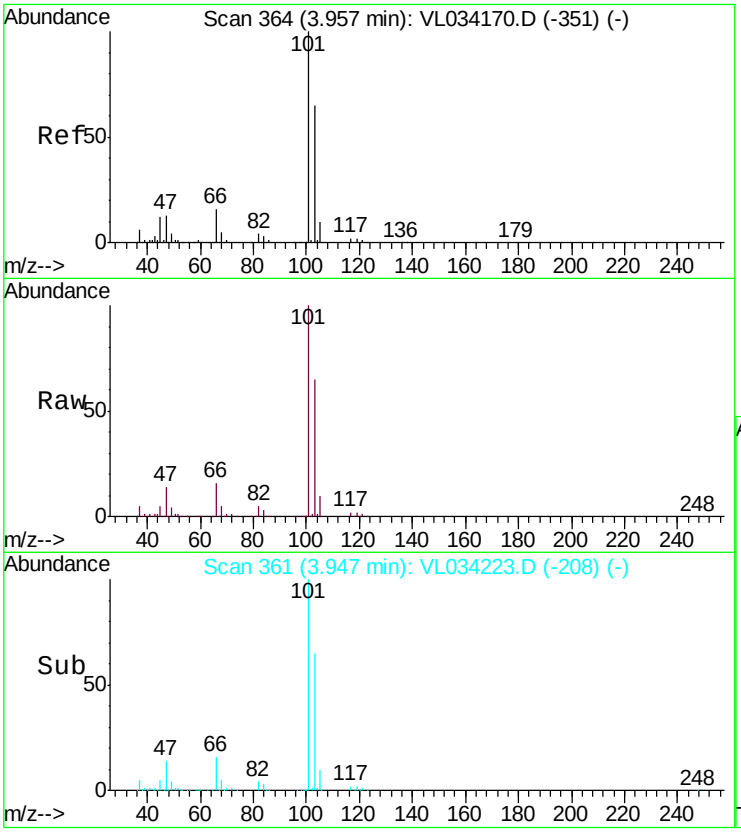


#10
Heptane
Concen: 9.202 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 1450350

Ion	Ratio	Lower	Upper
43	100		
57	47.9	37.5	56.3



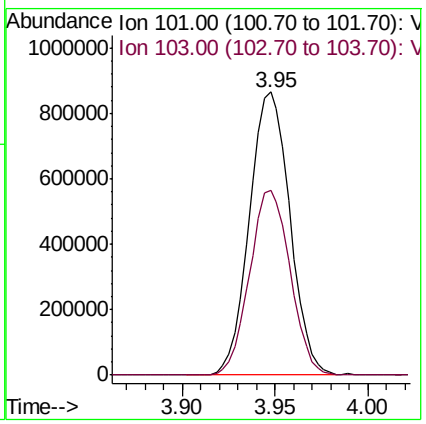


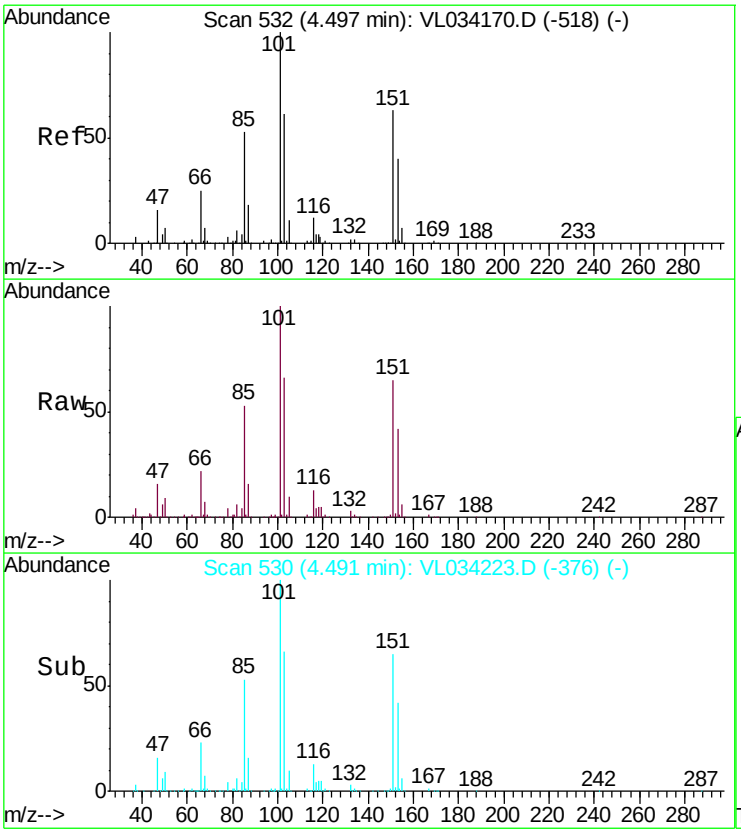
#11
Trichlorofluoromethane
Concen: 9.316 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1309487

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

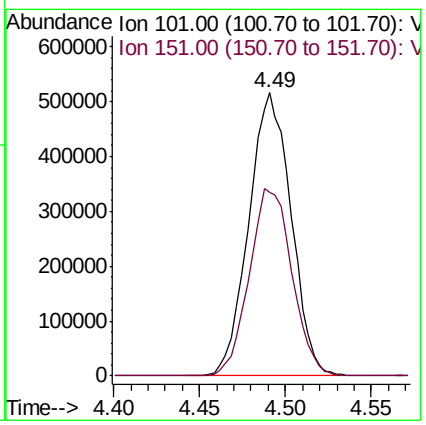


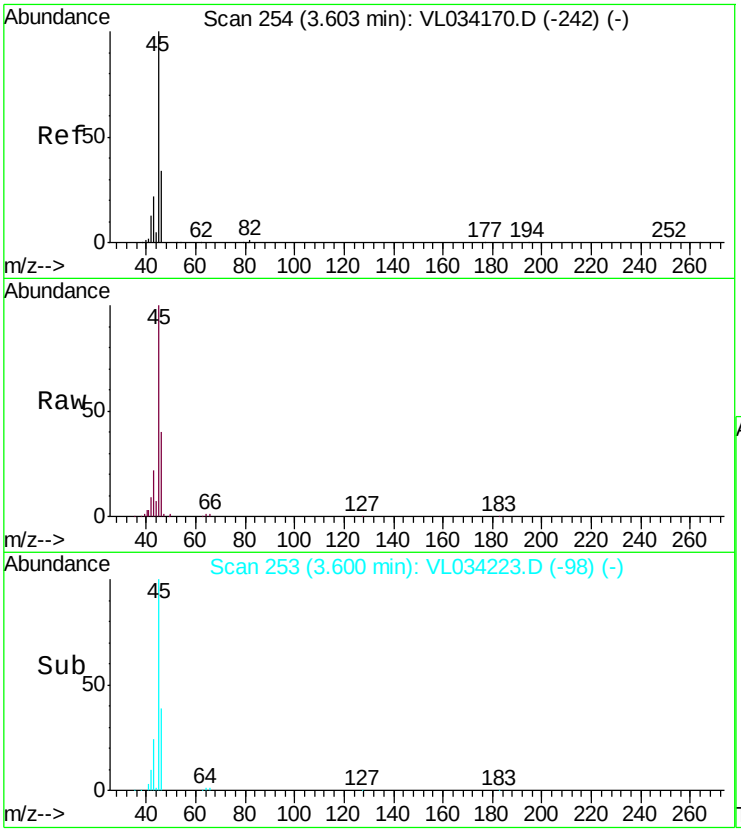


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.560 ppbv
RT: 4.49 min Scan# 530
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:101 Resp: 879401

Ion	Ratio	Lower	Upper
101	100		
151	66.9	51.8	77.8



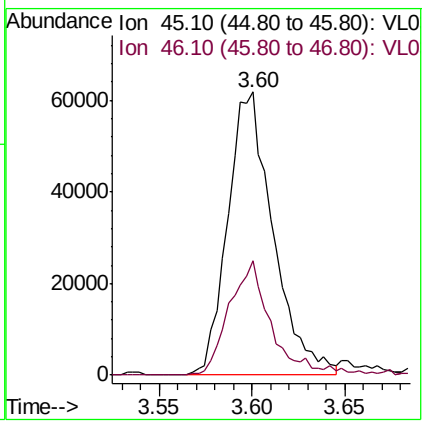


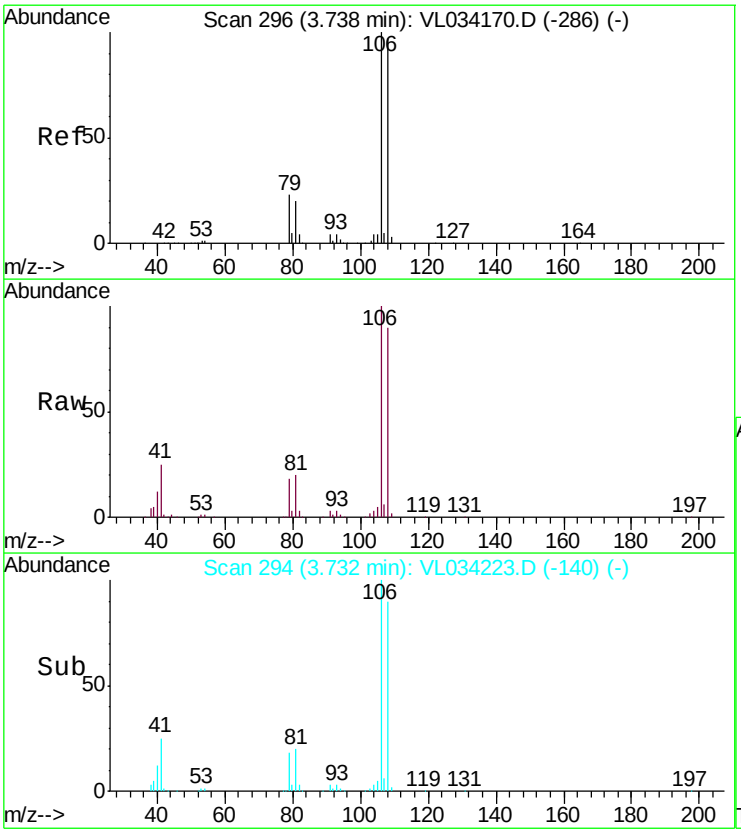
#13
Ethanol
Concen: 7.186 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 105230

Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.5	61.9

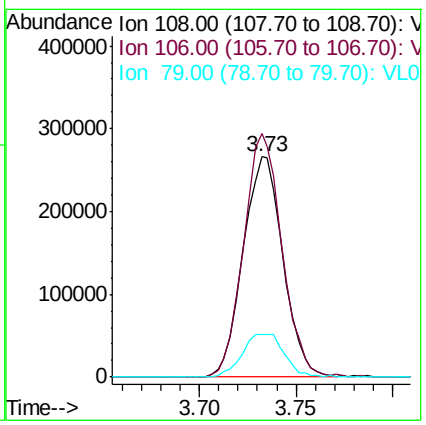


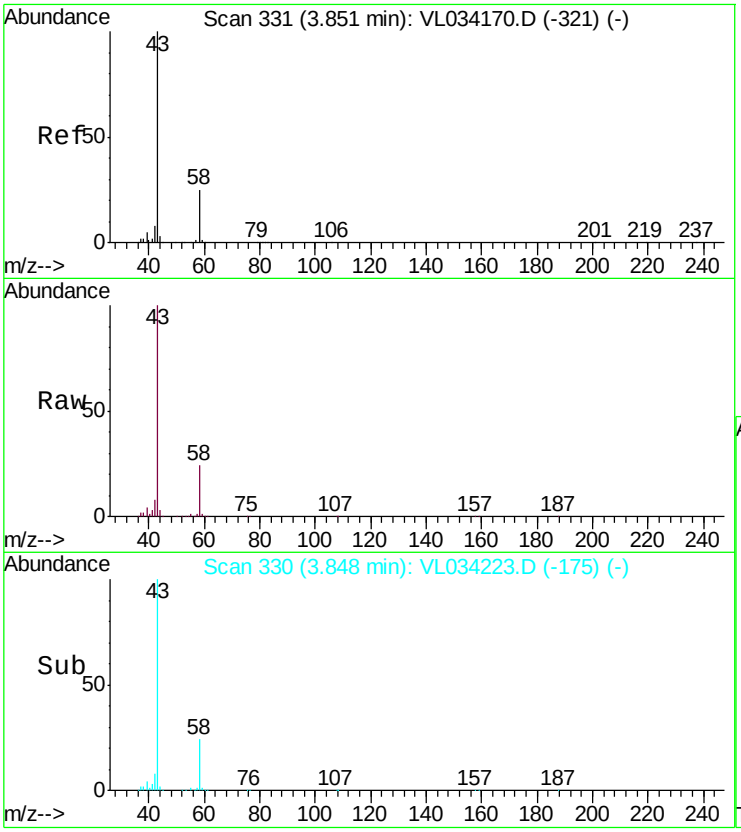


#14
Bromoethene
Concen: 10.128 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:108 Resp: 380917

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.2	129.4
79	21.0	18.6	27.8



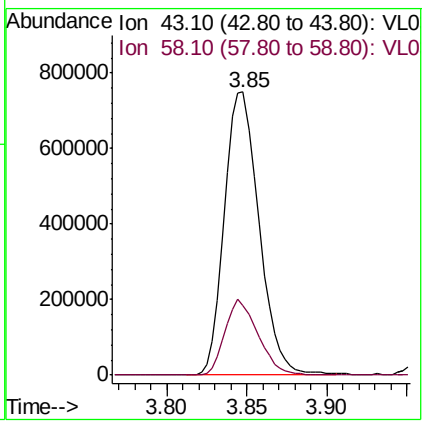


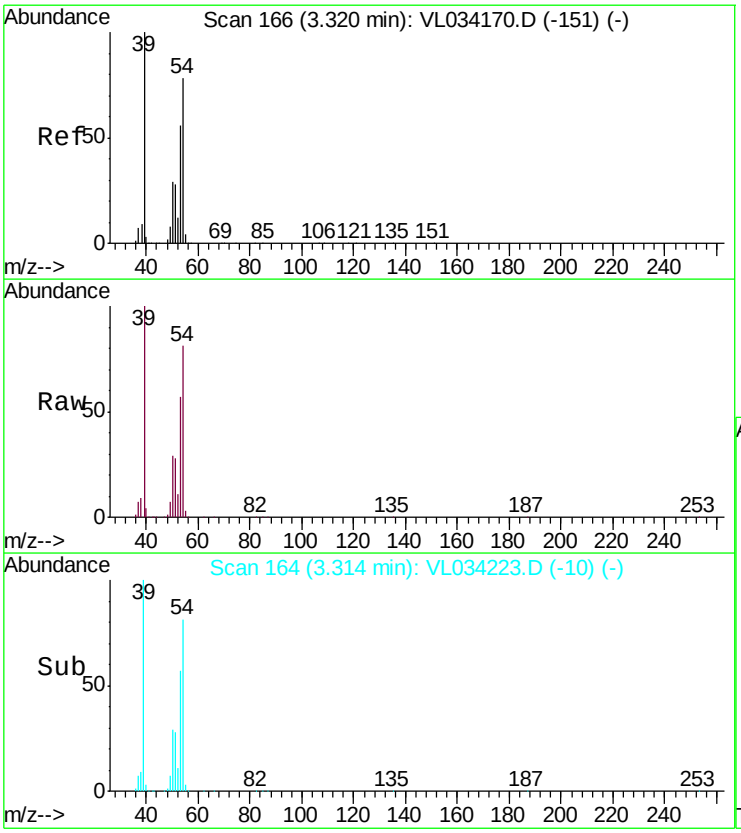
#15
Acetone
Concen: 7.886 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1104935

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.5	30.7

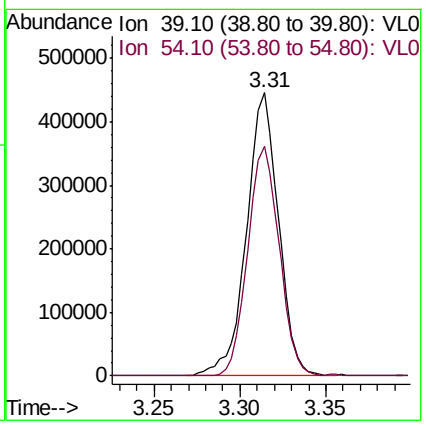


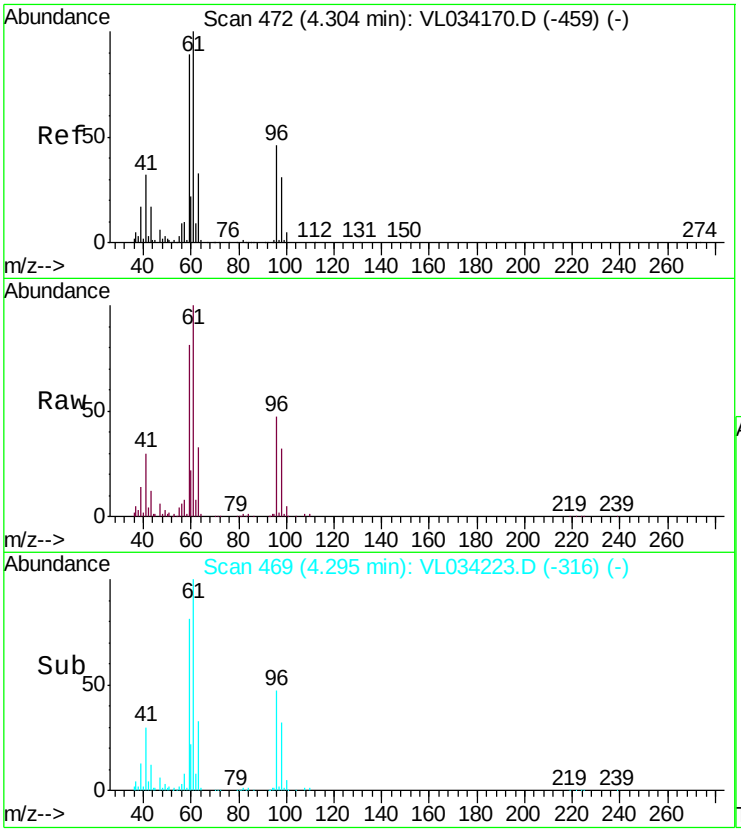


#16
1,3-Butadiene
Concen: 9.392 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 39 Resp: 574280

Ion	Ratio	Lower	Upper
39	100		
54	80.6	63.4	95.0



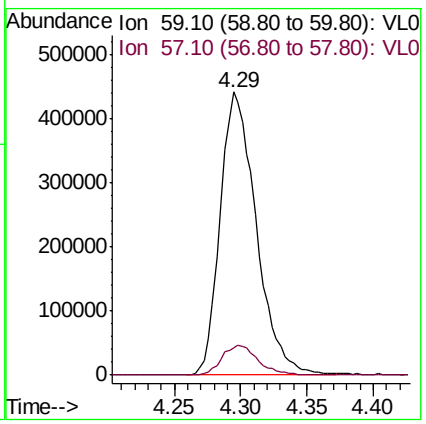


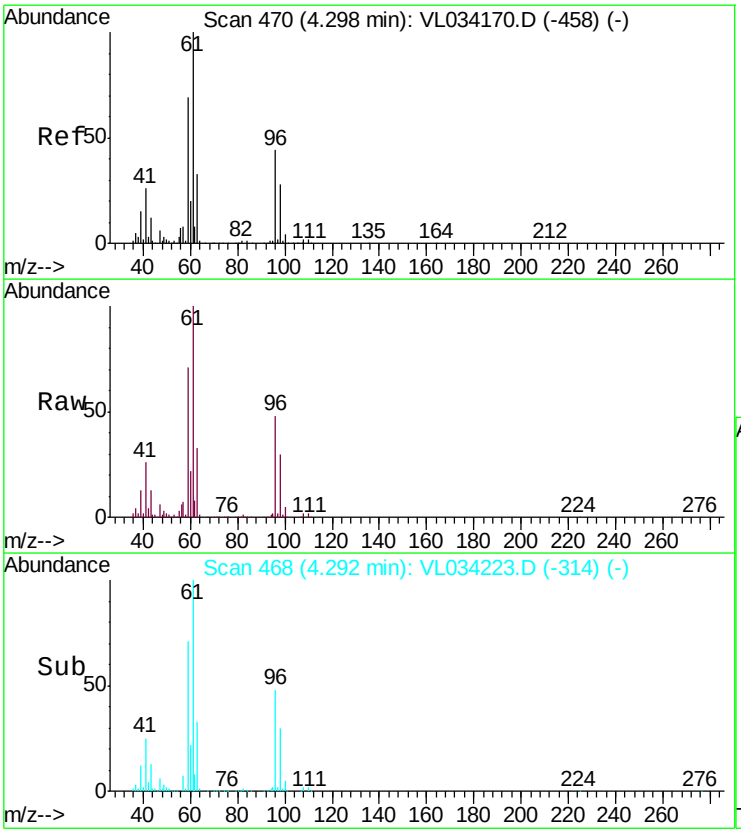
#17
tert-Butyl alcohol
Concen: 9.389 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 833546

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

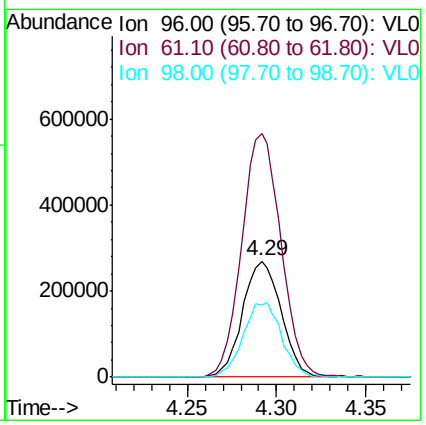


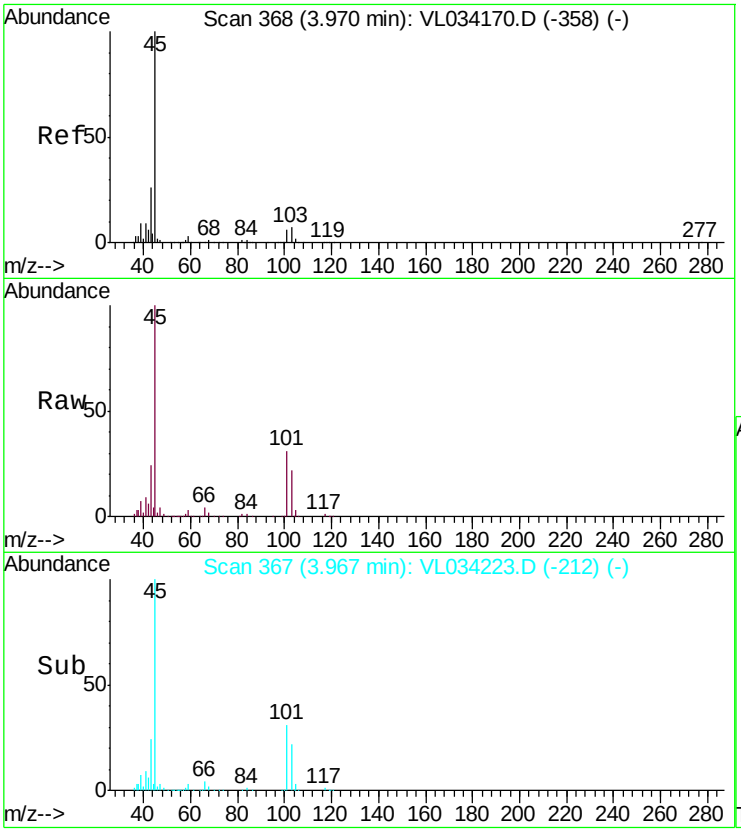


#18
1,1-Dichloroethene
Concen: 10.211 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 96 Resp: 409681

Ion	Ratio	Lower	Upper
96	100		
61	210.5	183.3	274.9
98	62.2	51.4	77.2



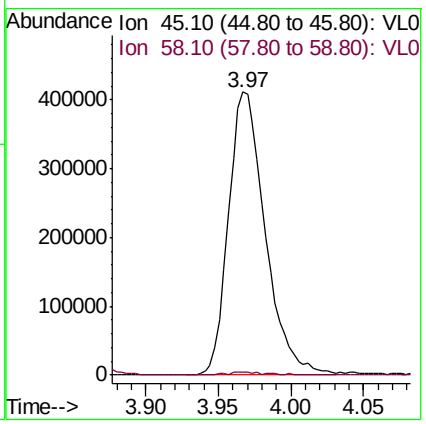


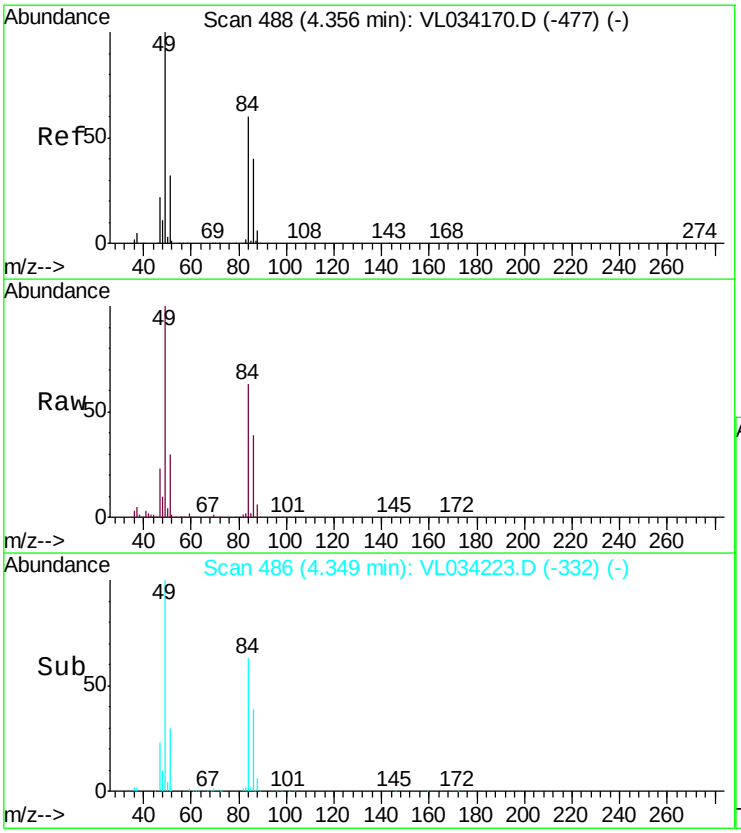
#19
Isopropyl Alcohol
Concen: 8.371 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 721294

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.4	2.0

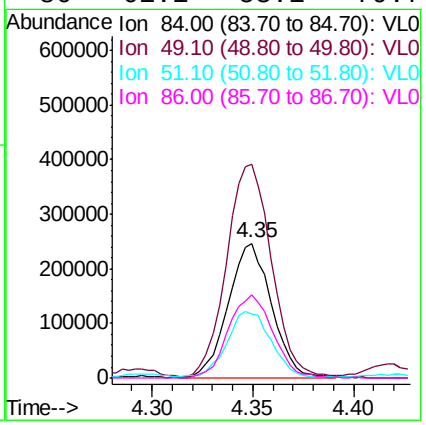


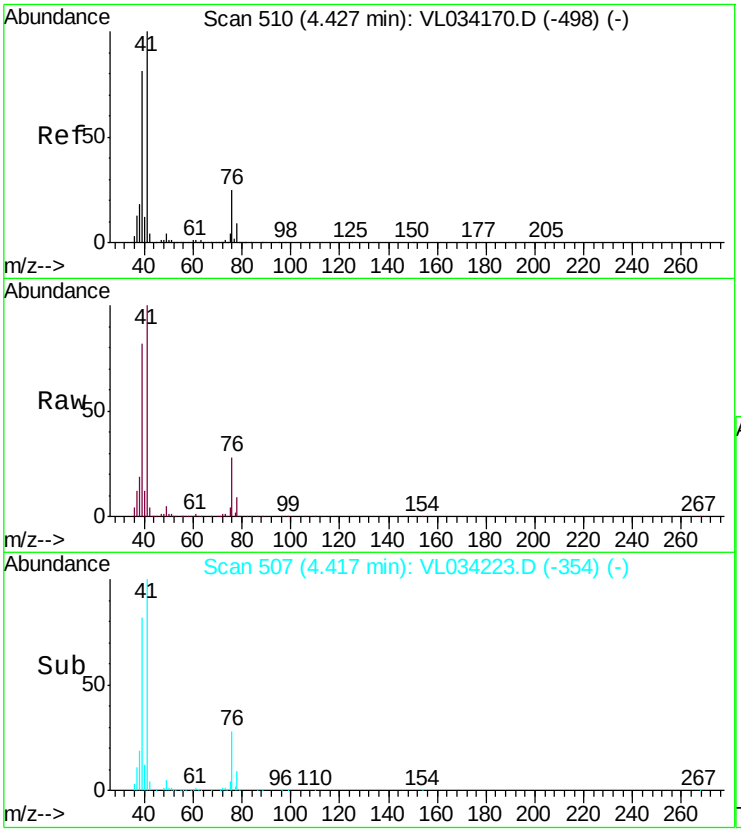


#20
Methylene Chloride
Concen: 9.137 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 84 Resp: 369128

Ion	Ratio	Lower	Upper
84	100		
49	157.6	133.8	200.8
51	46.6	43.6	65.4
86	61.1	53.1	79.7



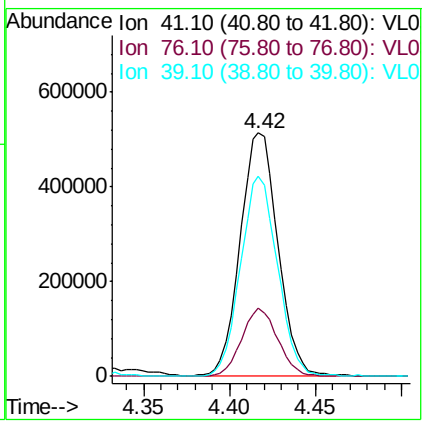


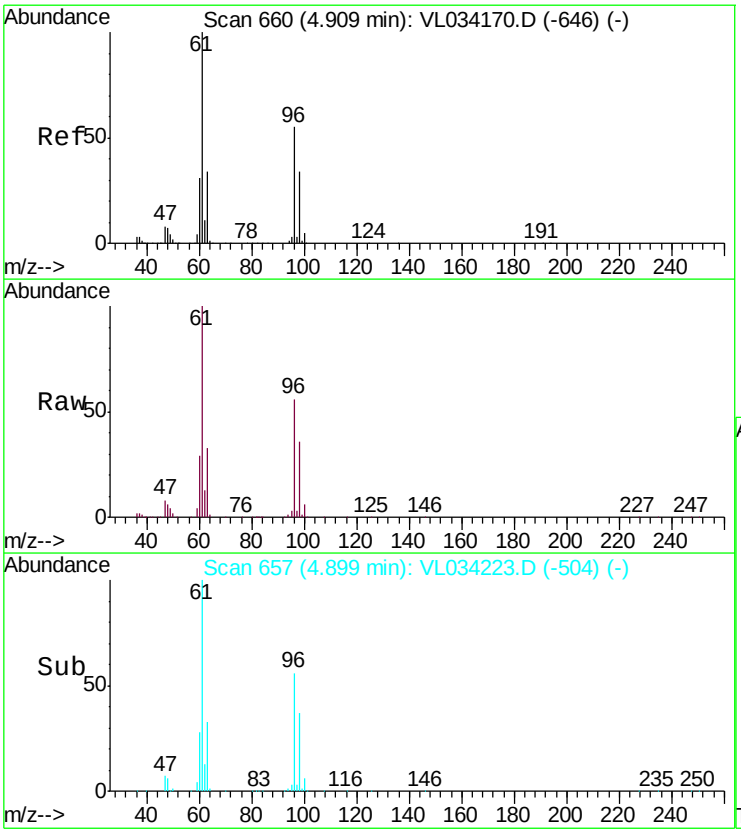
#21
Allyl Chloride
Concen: 9.817 ppbv
RT: 4.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 776911

Ion	Ratio	Lower	Upper
41	100		
76	27.1	21.8	32.6
39	81.6	64.8	97.2

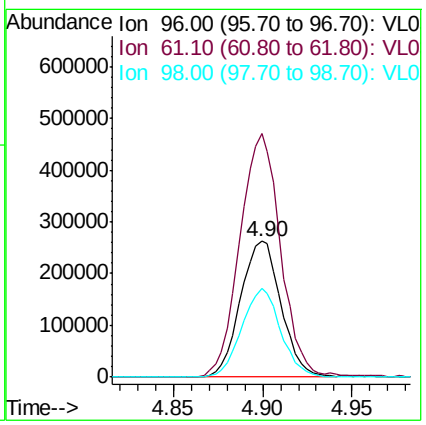


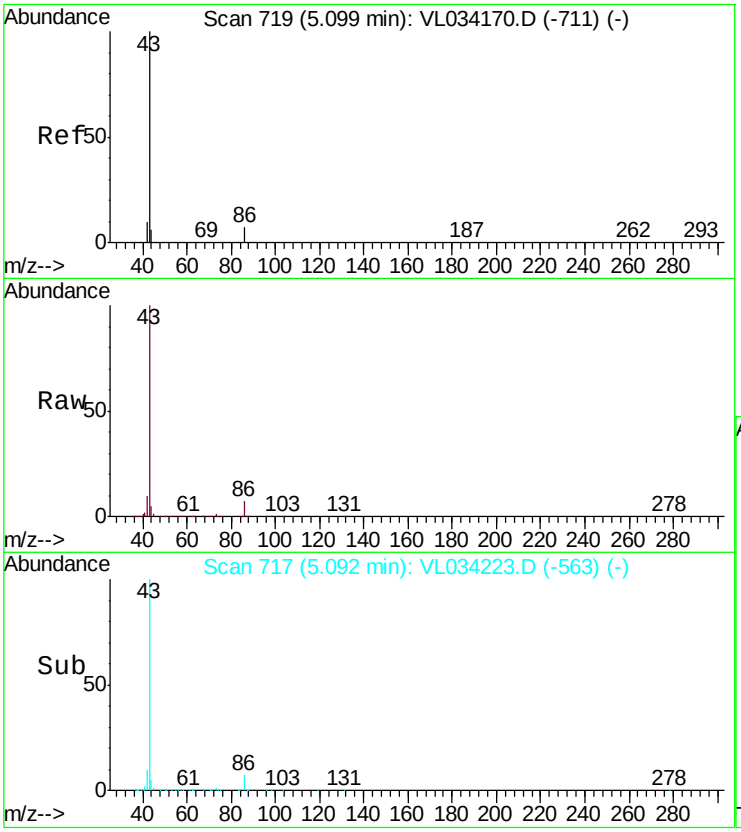


#22
trans-1,2-Dichloroethene
Concen: 10.371 ppbv
RT: 4.90 min Scan# 657
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 96 Resp: 416319

Ion	Ratio	Lower	Upper
96	100		
61	179.6	145.5	218.3
98	65.1	49.9	74.9



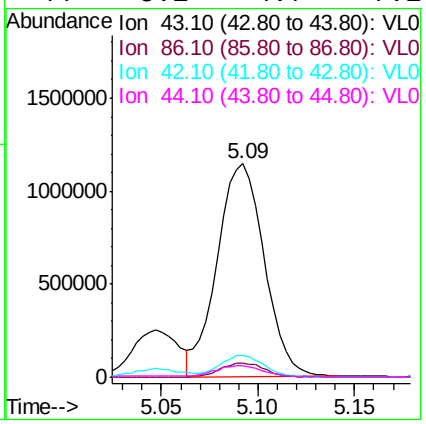


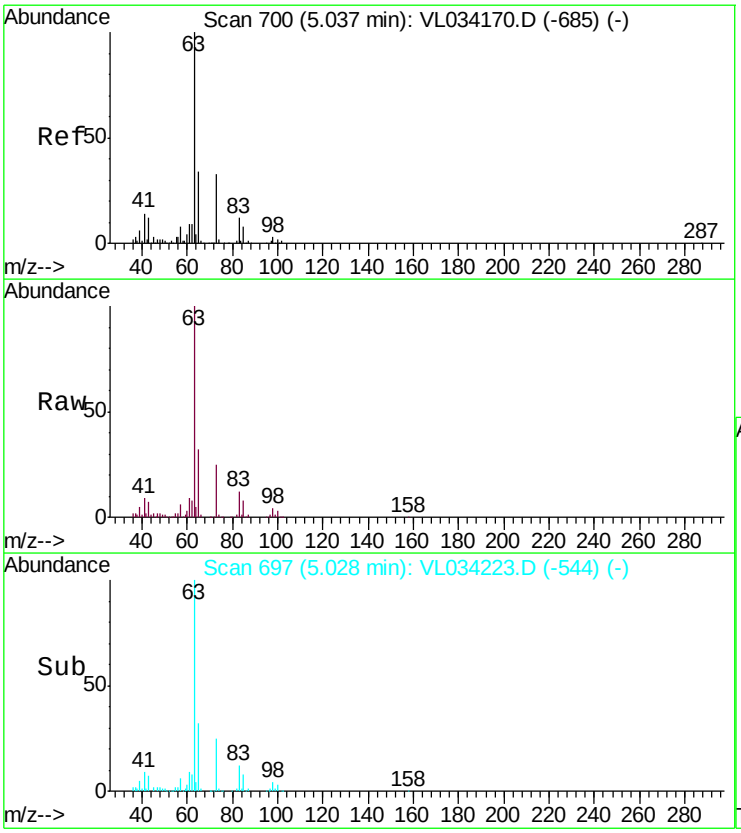
#23
Vinyl Acetate
Concen: 9.384 ppbv
RT: 5.09 min Scan# 717
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1937545

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.1	7.7
42	10.4	8.6	12.8
44	5.1	4.7	7.1

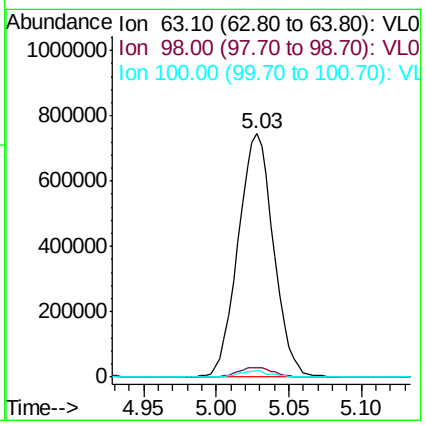


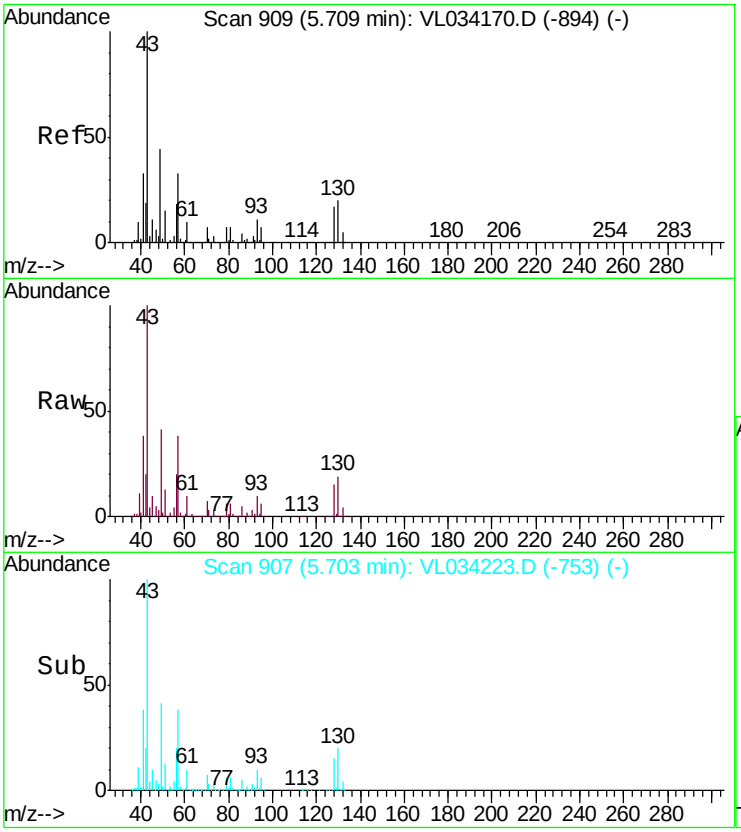


#24
1,1-Dichloroethane
Concen: 9.107 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 63 Resp: 1266096

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.3
100	2.6	1.0	3.0



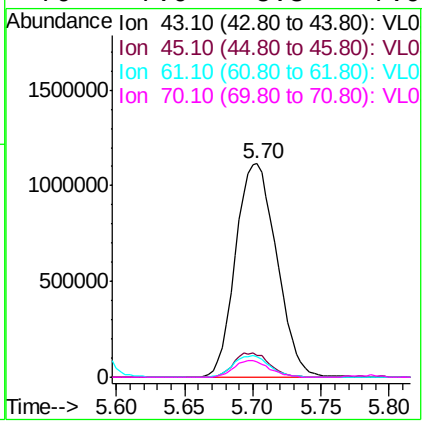


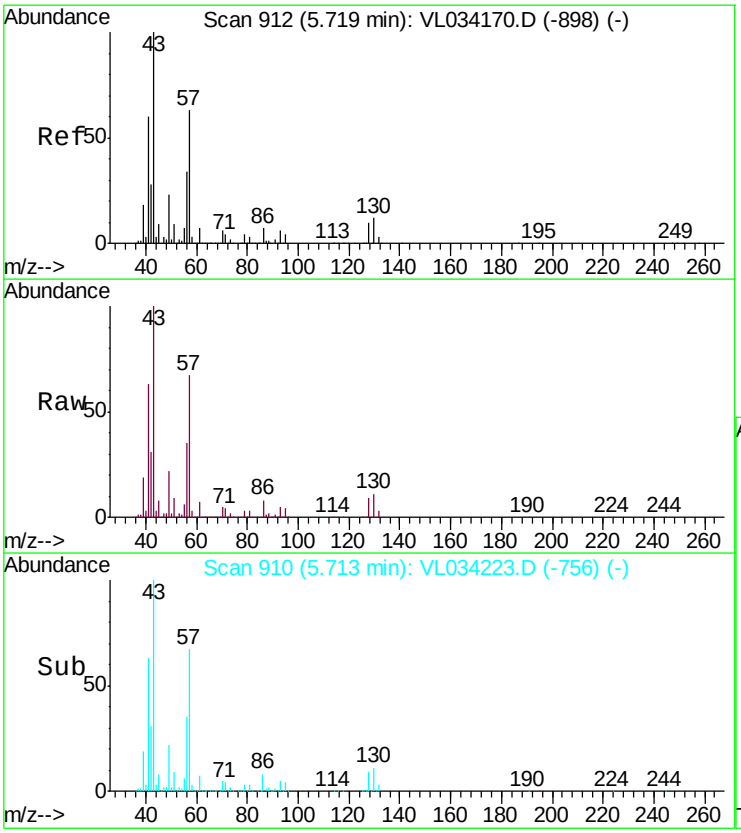
#25
Ethyl Acetate
Concen: 8.784 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2327271

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	9.2	7.2	10.8
70	7.0	5.3	7.9

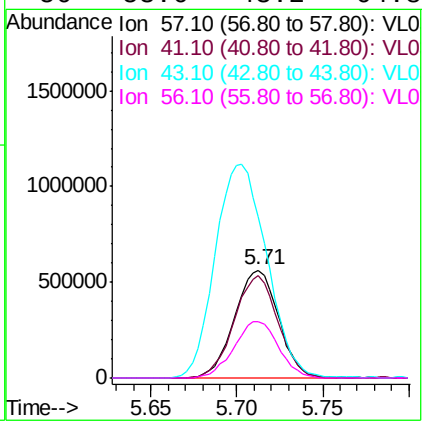


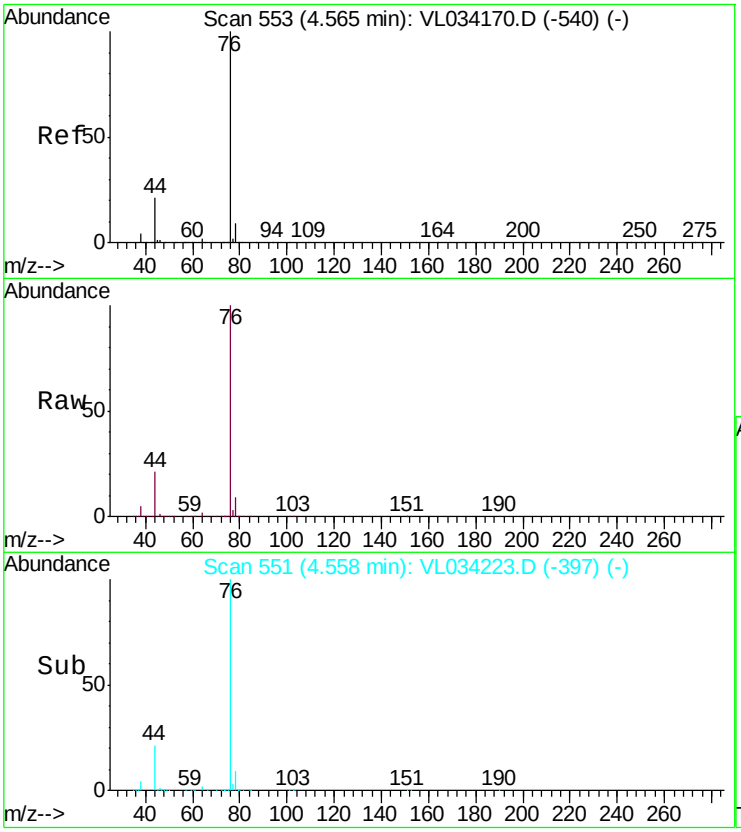


#26
Hexane
Concen: 9.056 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 57 Resp: 998125

Ion	Ratio	Lower	Upper
57	100		
41	96.5	78.5	117.7
43	233.8	189.5	284.3
56	53.6	43.2	64.8



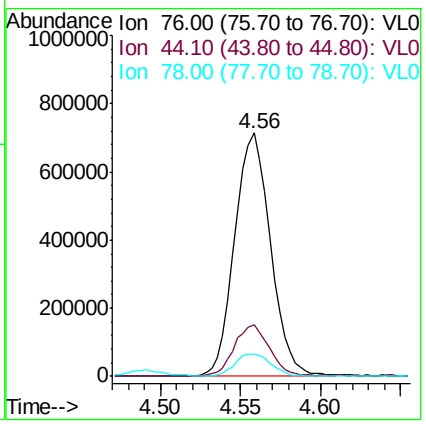


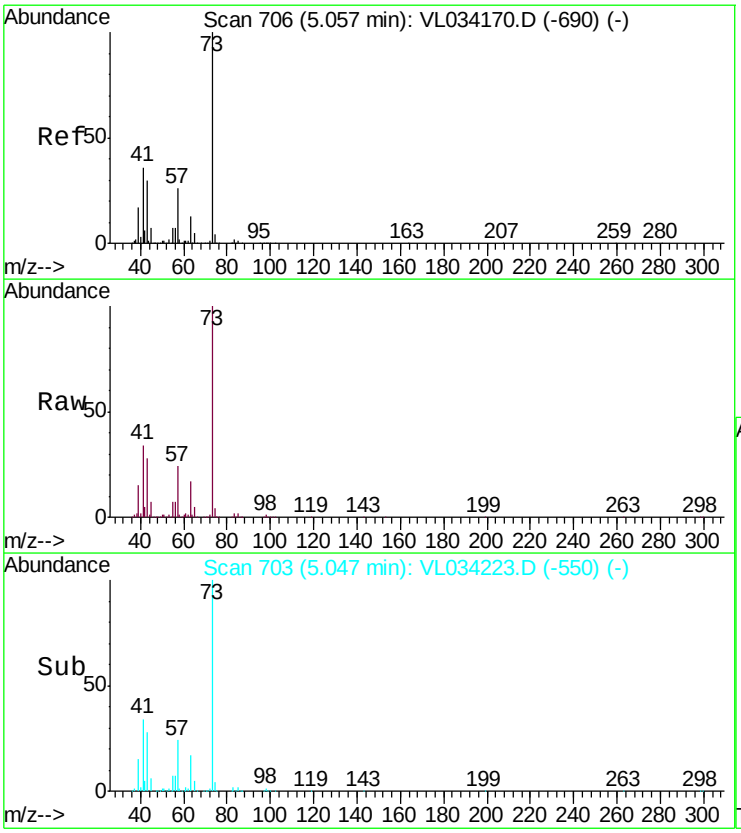
#27
Carbon Disulfide
Concen: 10.720 ppbv
RT: 4.56 min Scan# 551
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1089680

Ion	Ratio	Lower	Upper
76	100		
44	20.5	17.6	26.4
78	9.6	7.6	11.4

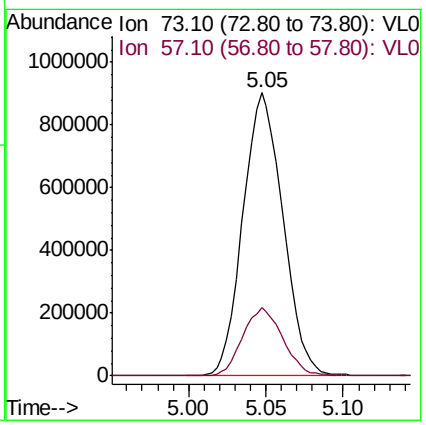


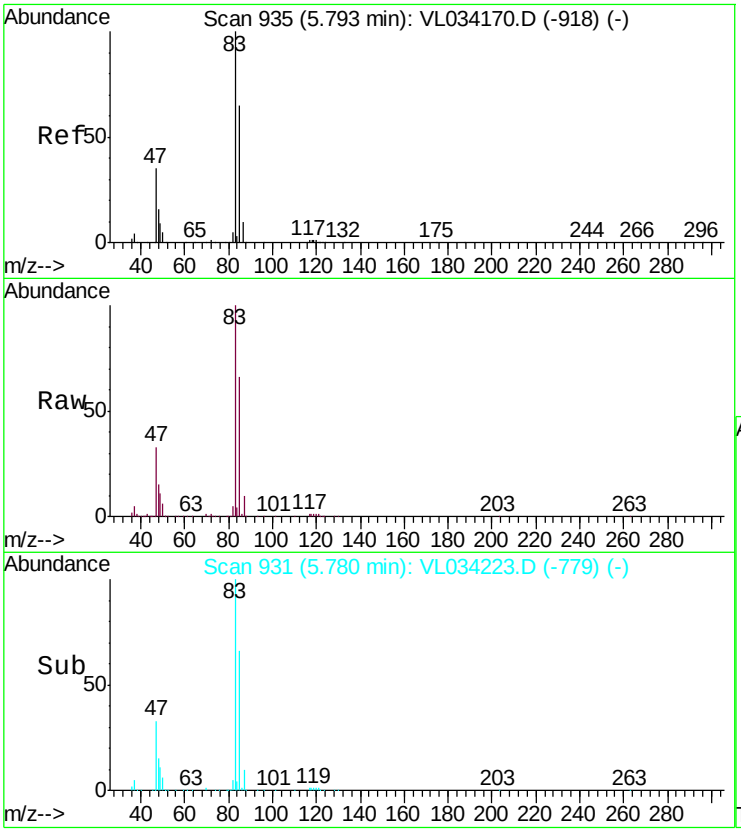


#28
Methyl tert-Butyl Ether
Concen: 9.920 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 73 Resp: 1623753

Ion	Ratio	Lower	Upper
73	100		
57	24.3	20.2	30.2



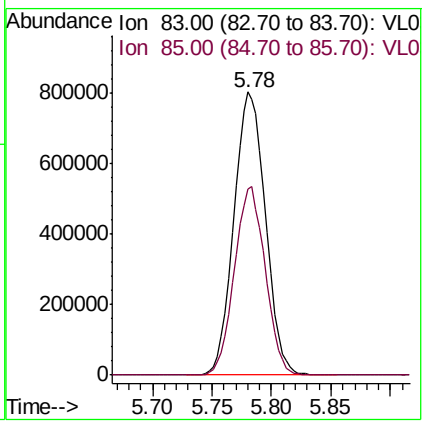


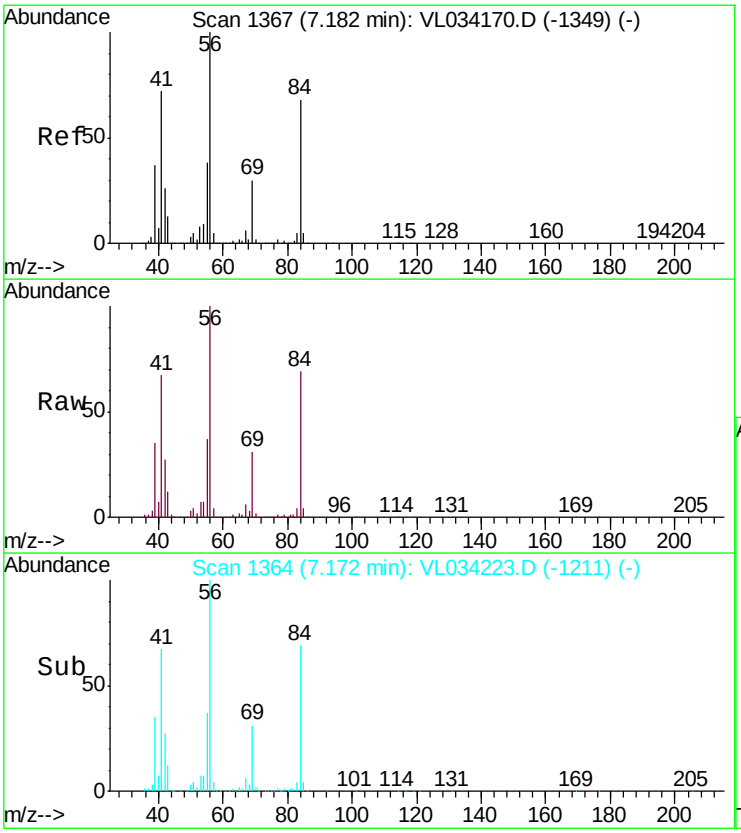
#29
Chloroform
Concen: 9.342 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1471360

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5

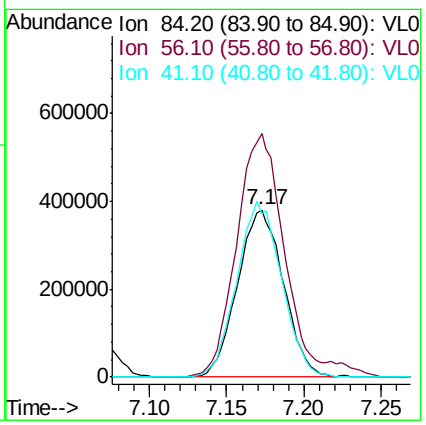


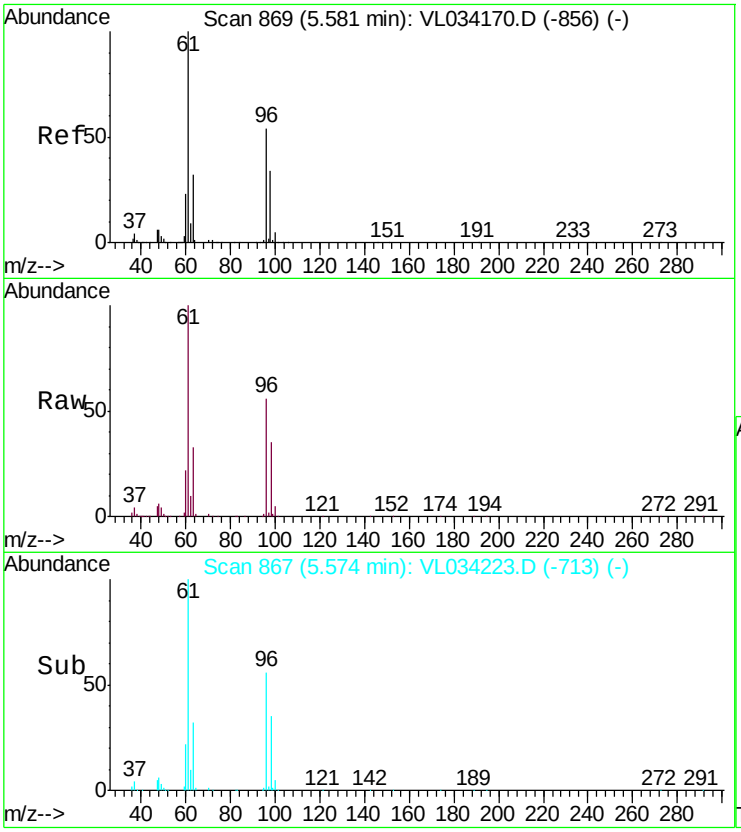


#30
Cyclohexane
Concen: 9.774 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 84 Resp: 777750

Ion	Ratio	Lower	Upper
84	100		
56	156.1	126.2	189.2
41	103.8	85.8	128.8



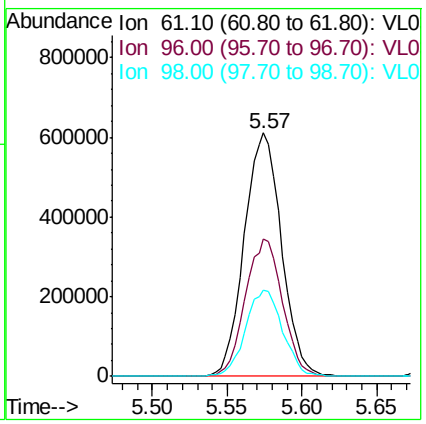


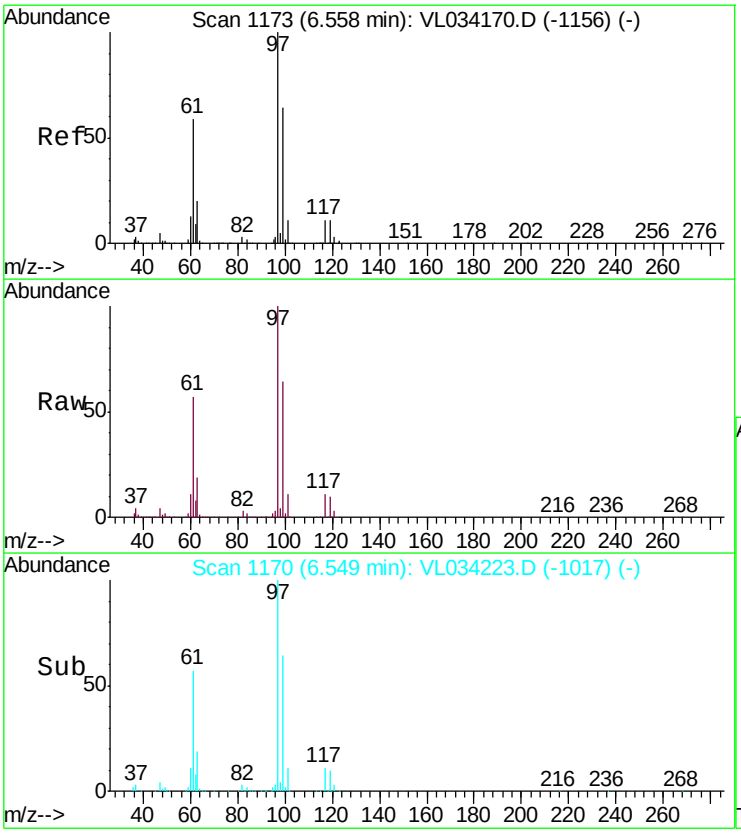
#31
cis-1,2-Dichloroethene
Concen: 9.420 ppbv
RT: 5.57 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1058339

Ion	Ratio	Lower	Upper
61	100		
96	56.3	43.0	64.4
98	35.4	27.2	40.8

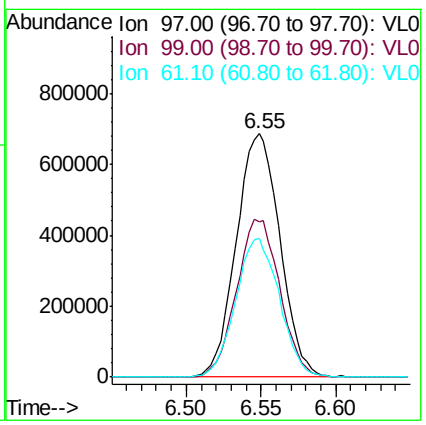


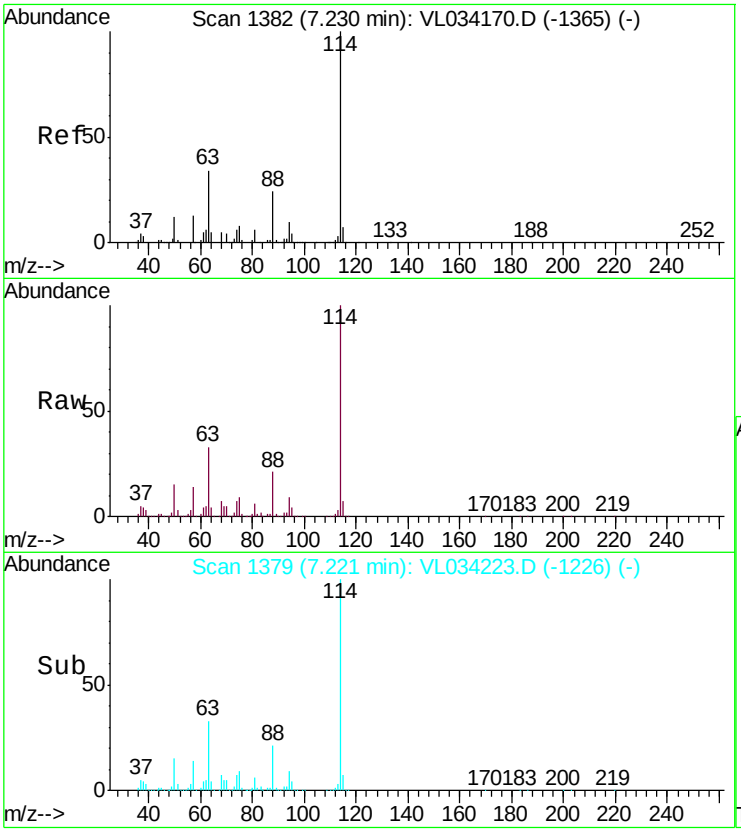


#32
1,1,1-Trichloroethane
Concen: 9.179 ppbv
RT: 6.55 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 97 Resp: 1394209

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	57.4	48.4	72.6



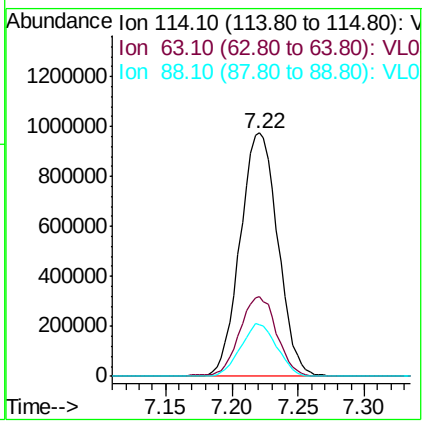


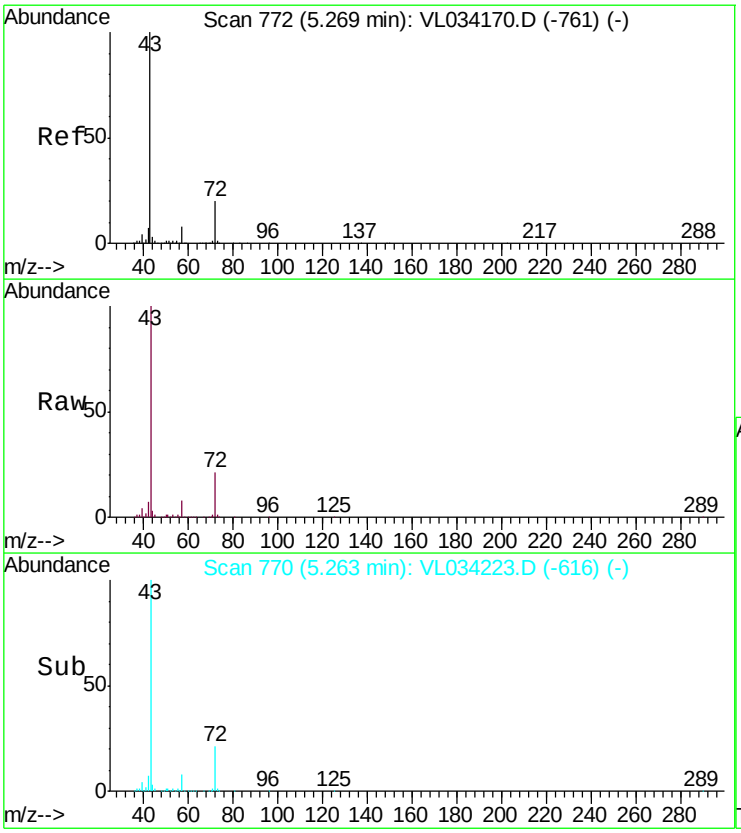
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1929659

Ion	Ratio	Lower	Upper
114	100		
63	32.5	27.8	41.6
88	20.8	17.1	25.7

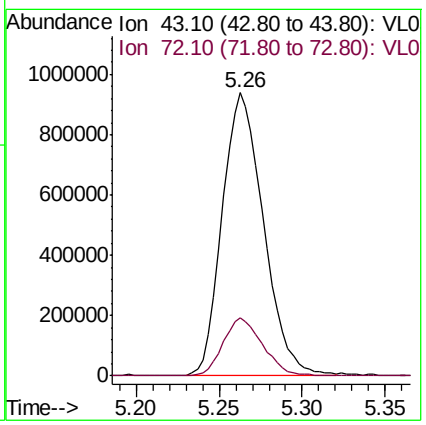


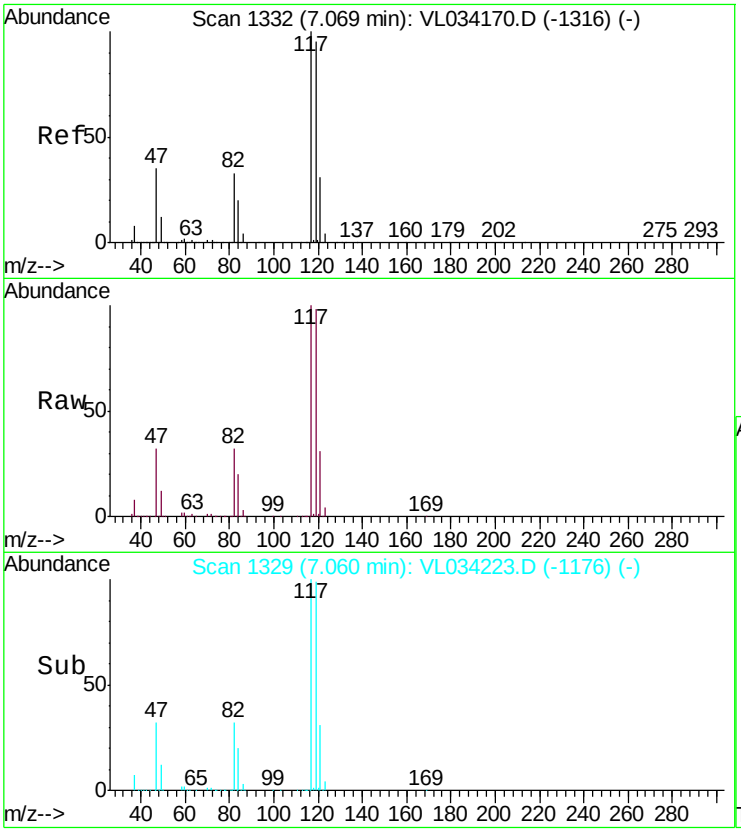


#34
2-Butanone
Concen: 8.164 ppbv
RT: 5.26 min Scan# 770
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 1608477

Ion	Ratio	Lower	Upper
43	100		
72	20.1	15.0	22.6



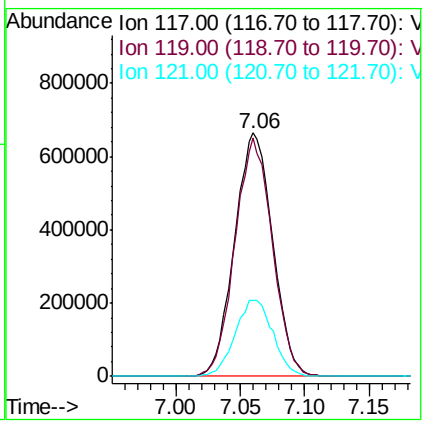


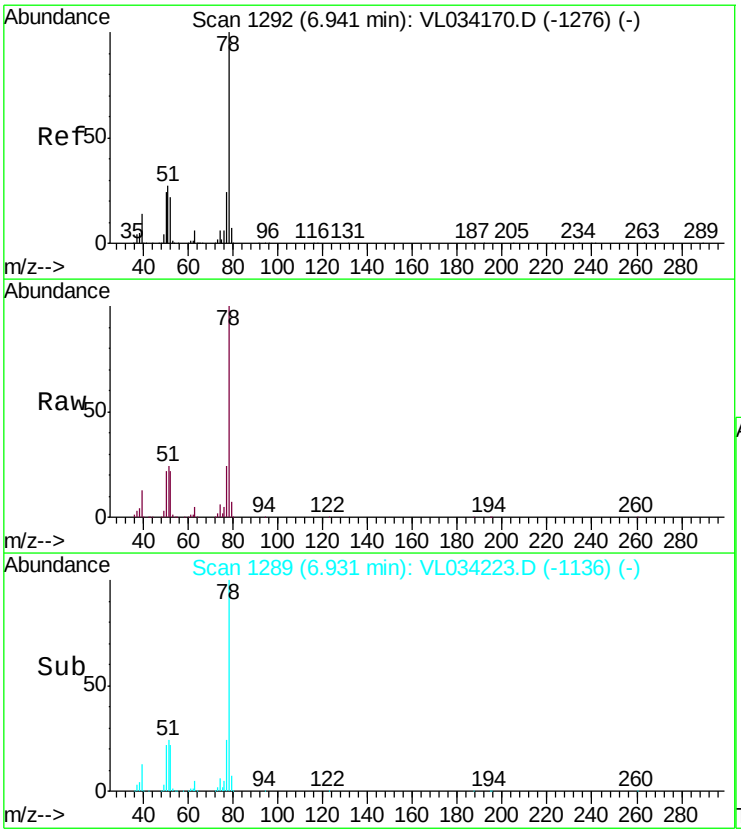
#35
Carbon Tetrachloride
Concen: 8.524 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1366595

Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.8	113.6
121	31.4	25.0	37.6

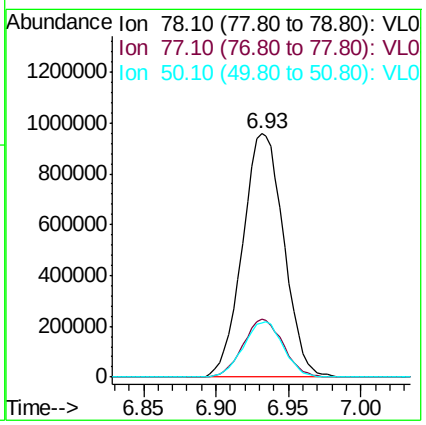


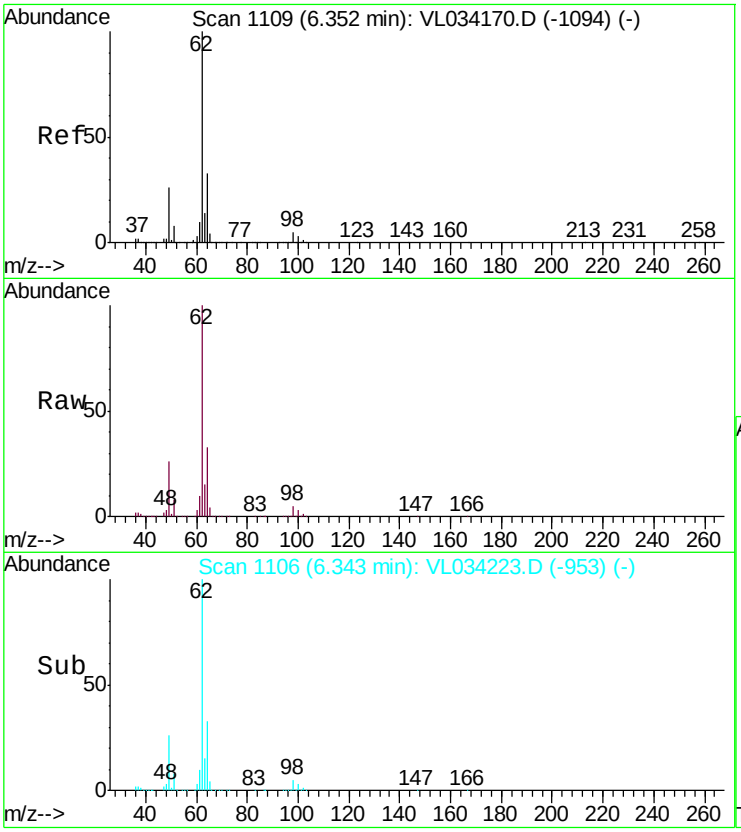


#36
Benzene
Concen: 8.871 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 78 Resp: 1890670

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	22.3	18.9	28.3



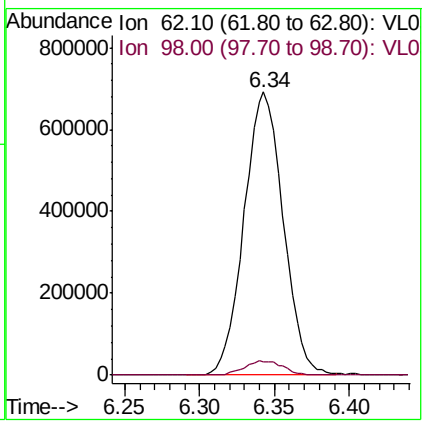


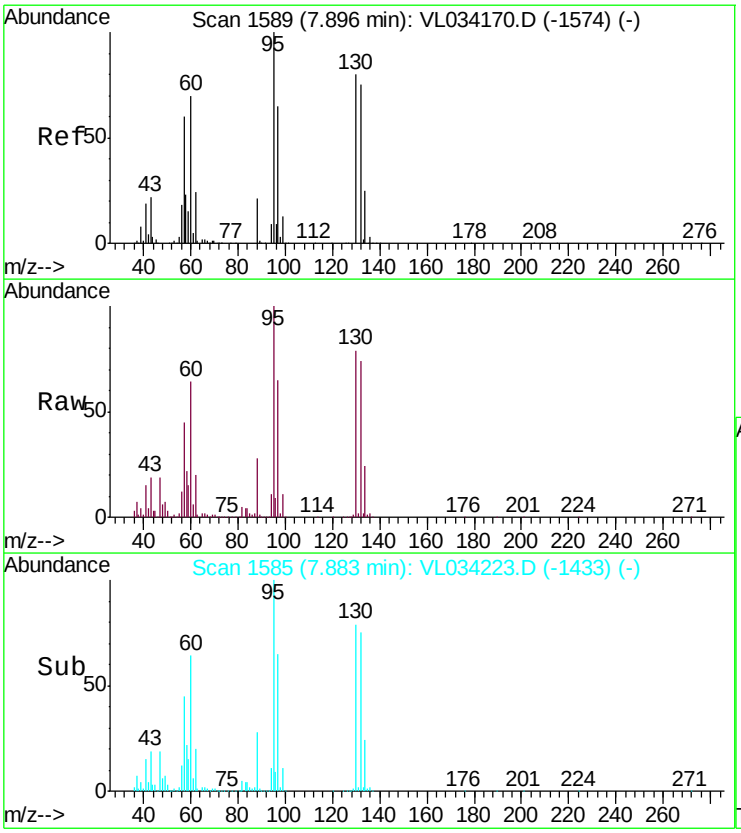
#37
1,2-Dichloroethane
Concen: 8.308 ppbv
RT: 6.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1259435

Ion	Ratio	Lower	Upper
62	100		
98	5.1	3.8	5.8

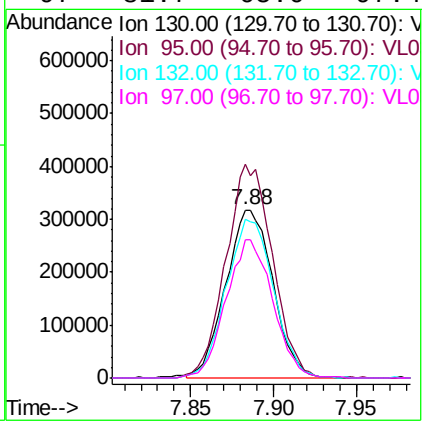


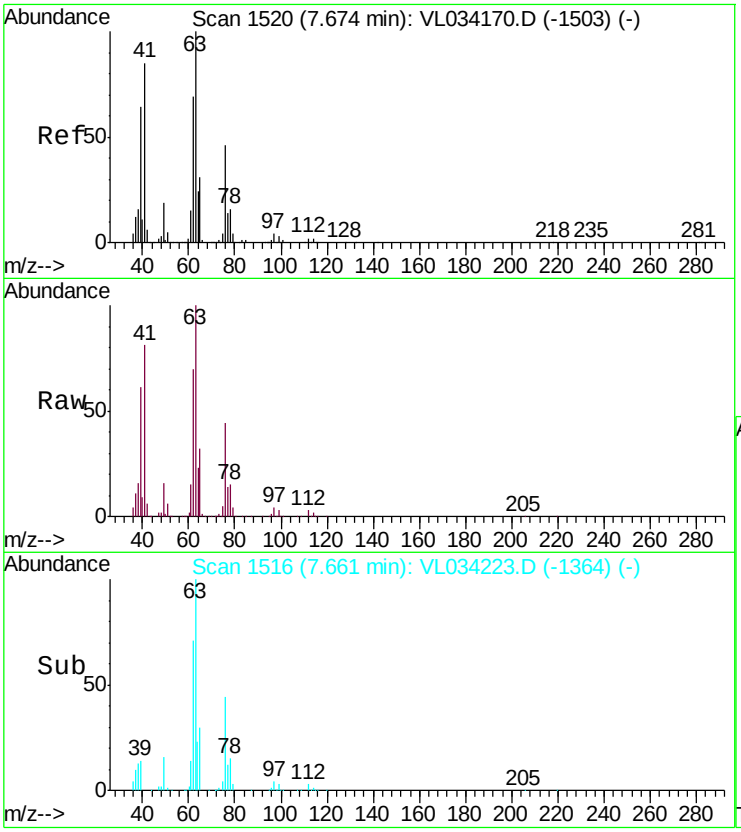


#38
Trichloroethene
Concen: 8.222 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:130 Resp: 626078

Ion	Ratio	Lower	Upper
130	100		
95	126.5	99.8	149.6
132	94.6	75.2	112.8
97	81.7	65.0	97.4



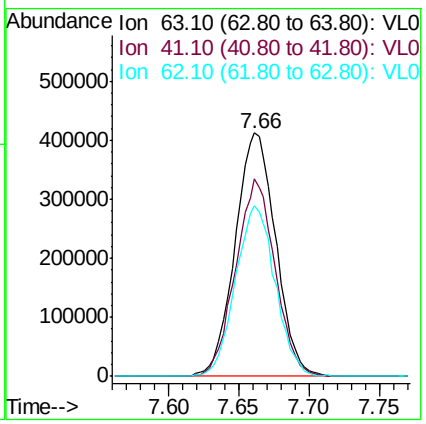


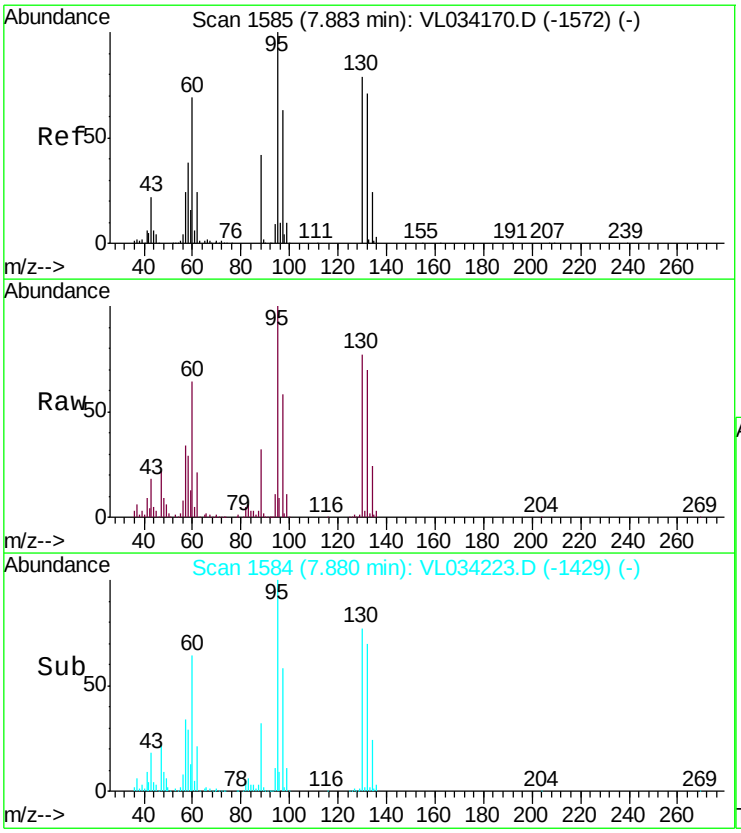
#39
1,2-Dichloropropane
Concen: 8.627 ppbv
RT: 7.66 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 826114

Ion	Ratio	Lower	Upper
63	100		
41	81.1	68.4	102.6
62	70.0	55.4	83.2

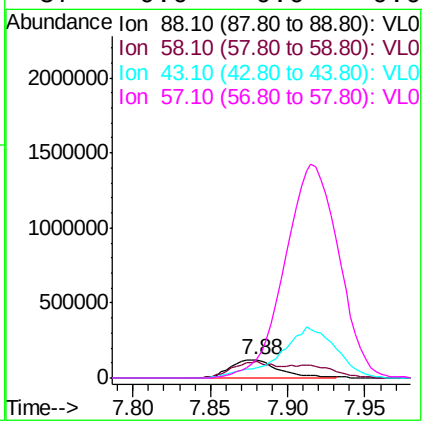


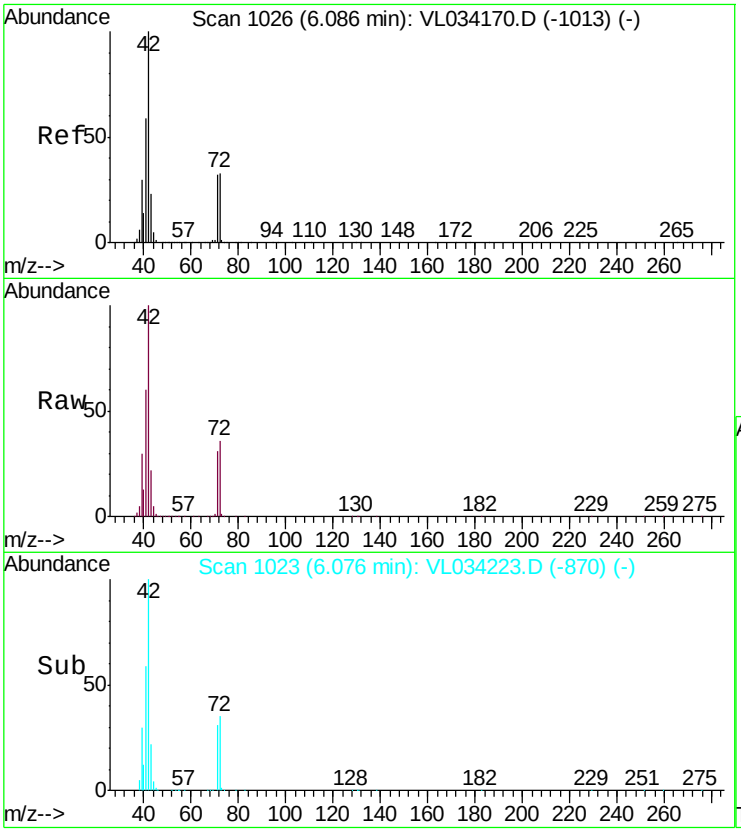


#40
1,4-Dioxane
Concen: 8.569 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 88 Resp: 265535

Ion	Ratio	Lower	Upper
88	100		
58	148.2	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



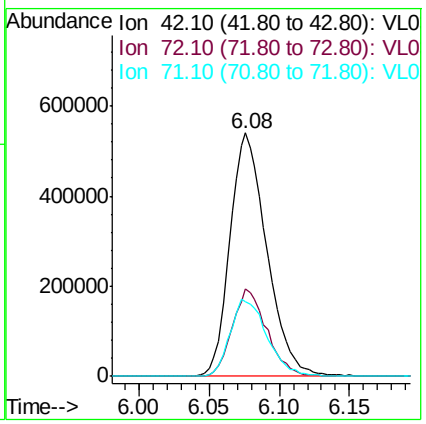


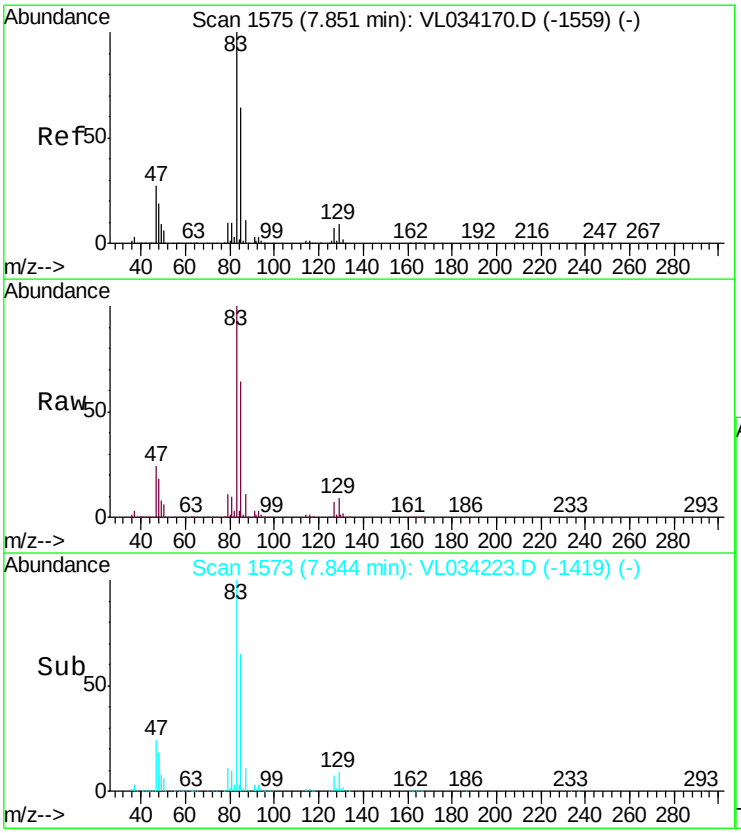
#41
Tetrahydrofuran
Concen: 8.870 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 984352

Ion	Ratio	Lower	Upper
42	100		
72	33.9	26.6	40.0
71	32.0	25.1	37.7

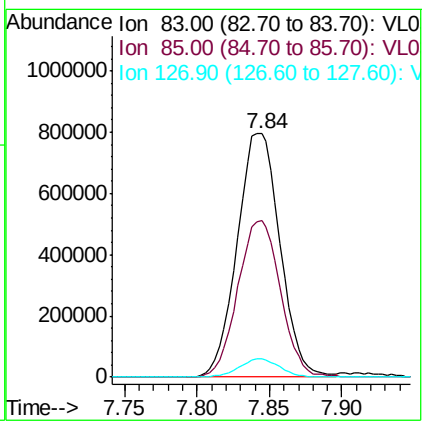


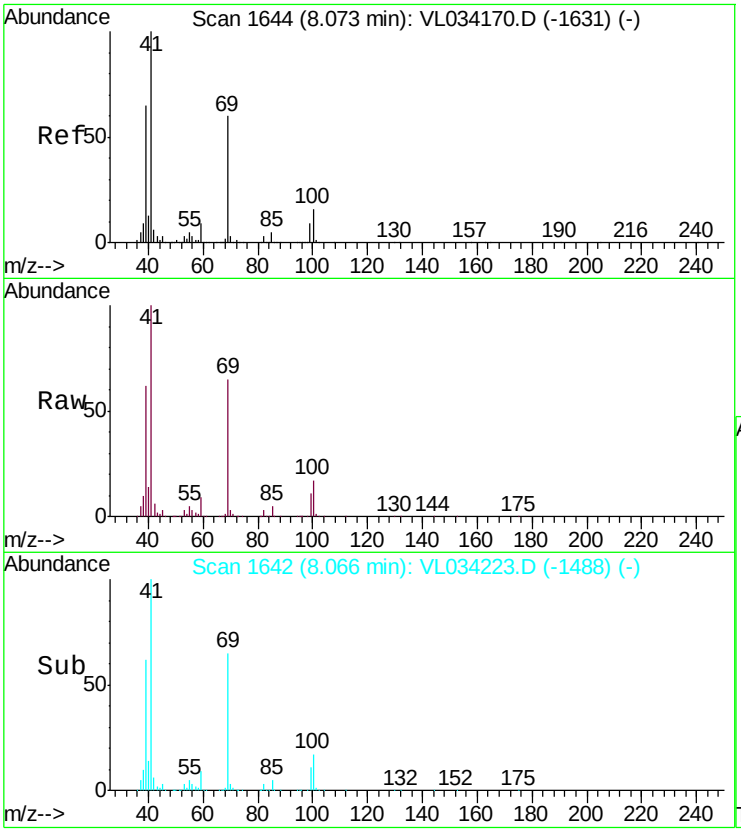


#42
Bromodichloromethane
Concen: 9.008 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 83 Resp: 1638654

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.0
127	7.4	5.5	8.3



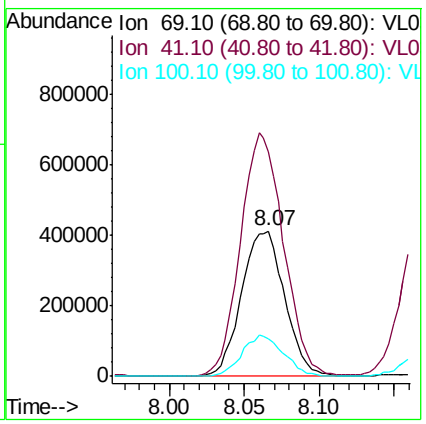


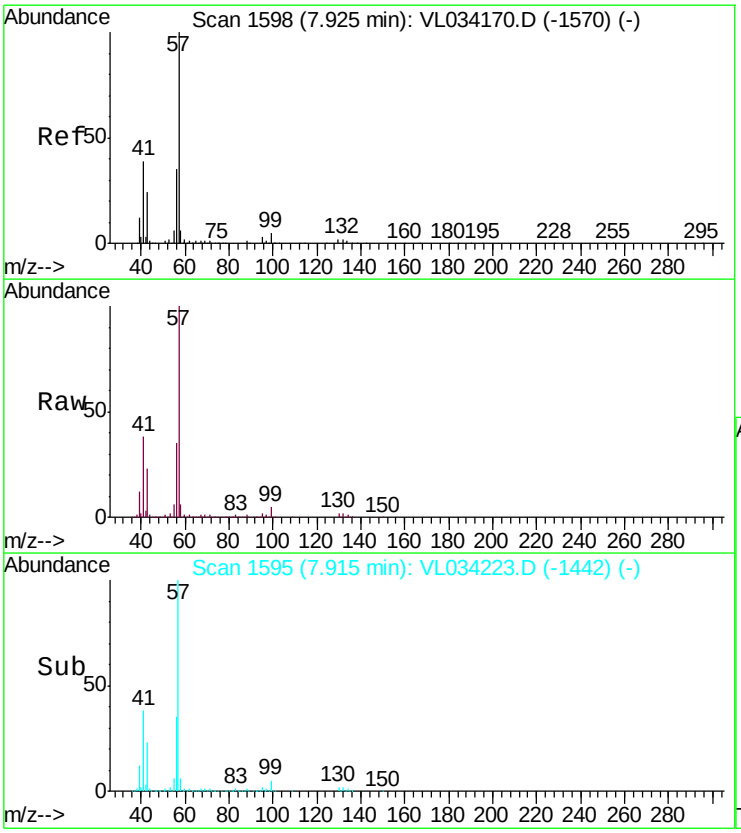
#43
Methyl Methacrylate
Concen: 9.392 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 826822

Ion	Ratio	Lower	Upper
69	100		
41	166.9	140.4	210.6
100	27.3	21.9	32.9

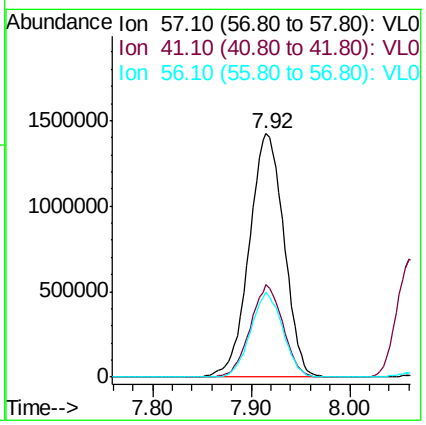


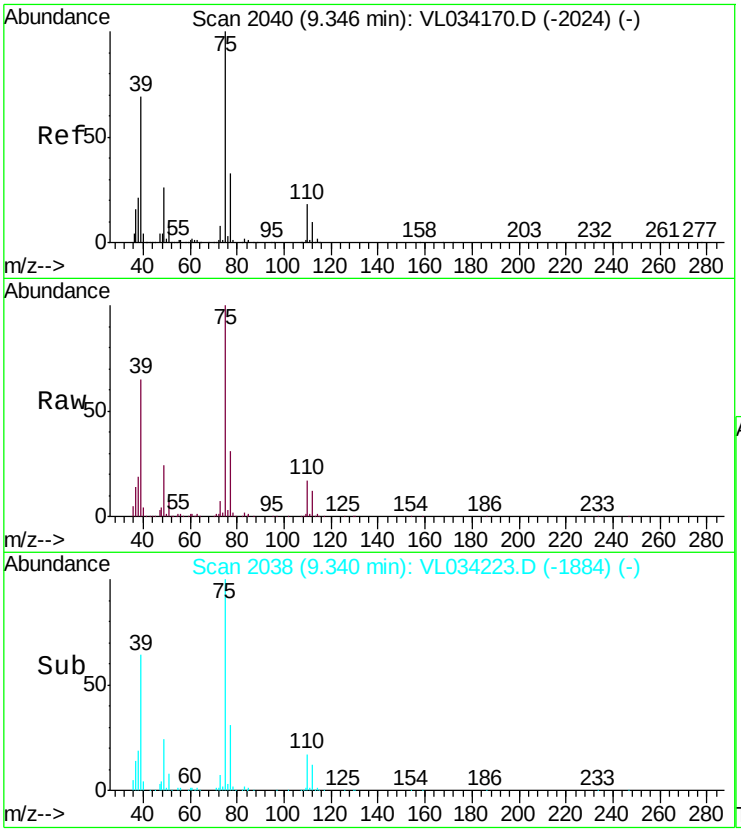


#44
2,2,4-Trimethylpentane
Concen: 8.433 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 57 Resp: 3459714

Ion	Ratio	Lower	Upper
57	100		
41	35.5	29.8	44.6
56	32.2	25.9	38.9



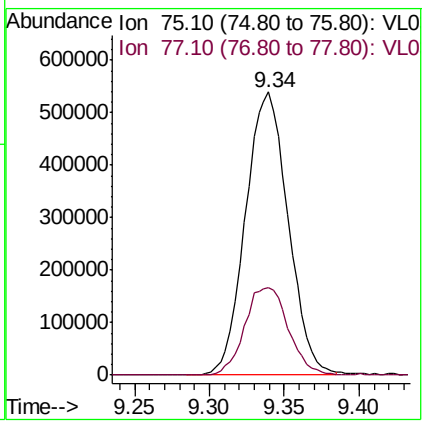


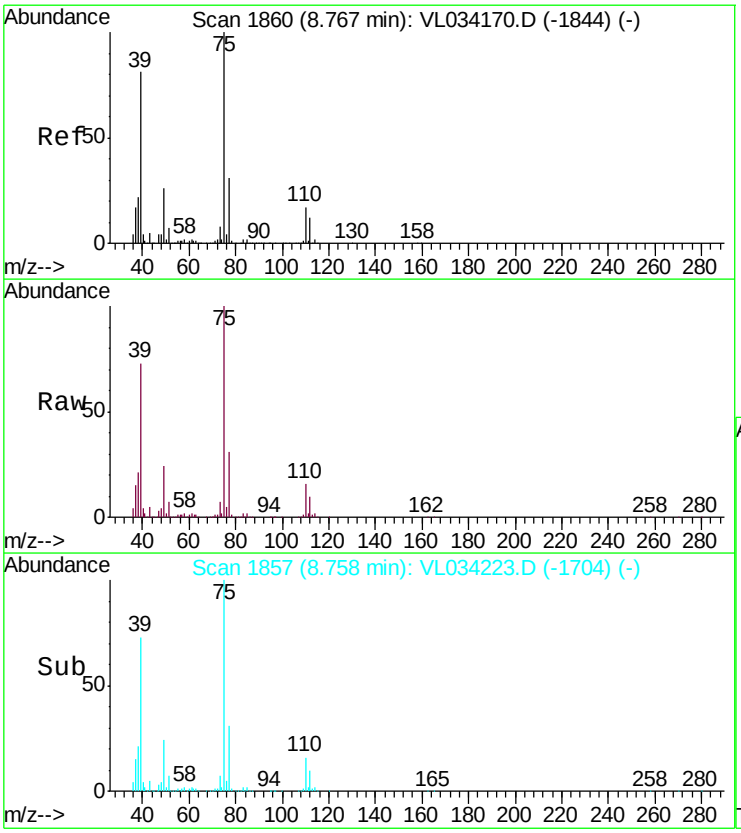
#45
t-1,3-Dichloropropene
Concen: 10.279 ppbv
RT: 9.34 min Scan# 2038
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1070057

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.2

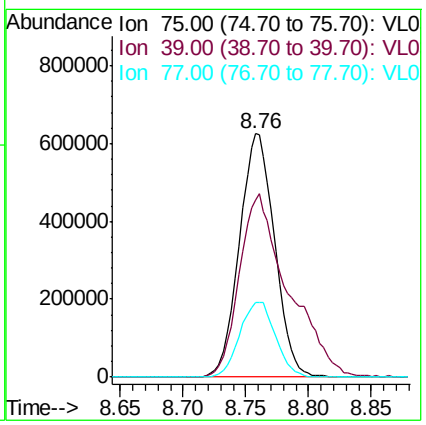


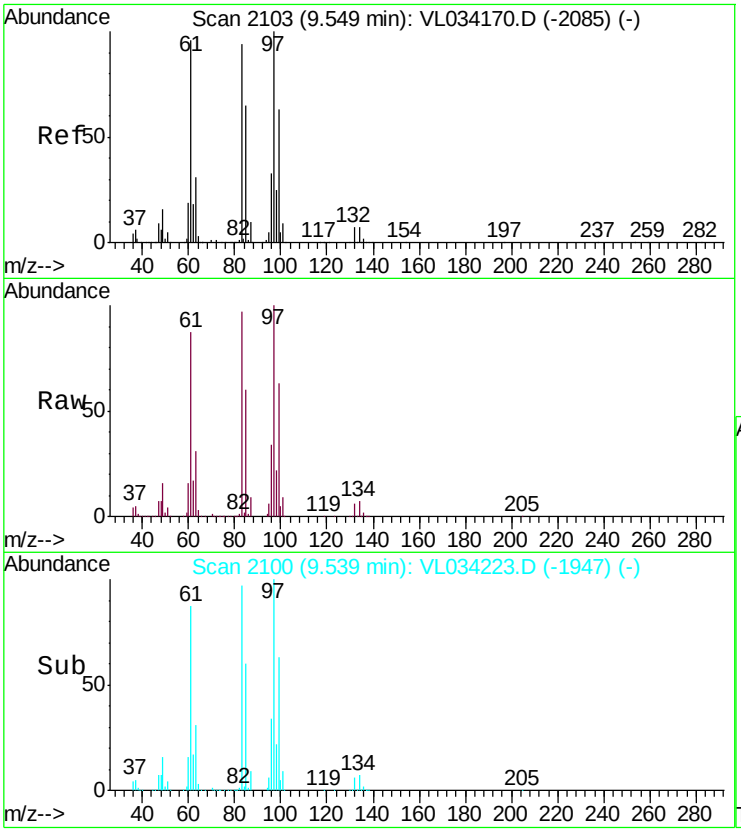


#46
cis-1,3-Dichloropropene
Concen: 9.751 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 75 Resp: 1221016

Ion	Ratio	Lower	Upper
75	100		
39	72.5	65.0	97.4
77	30.9	24.5	36.7



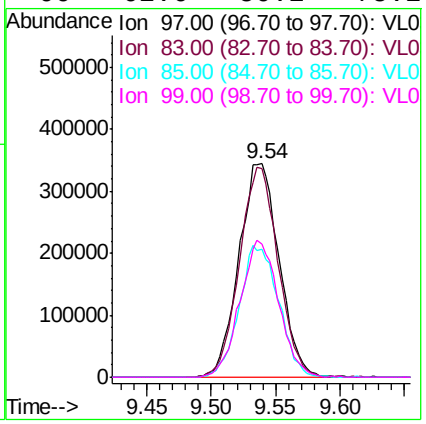


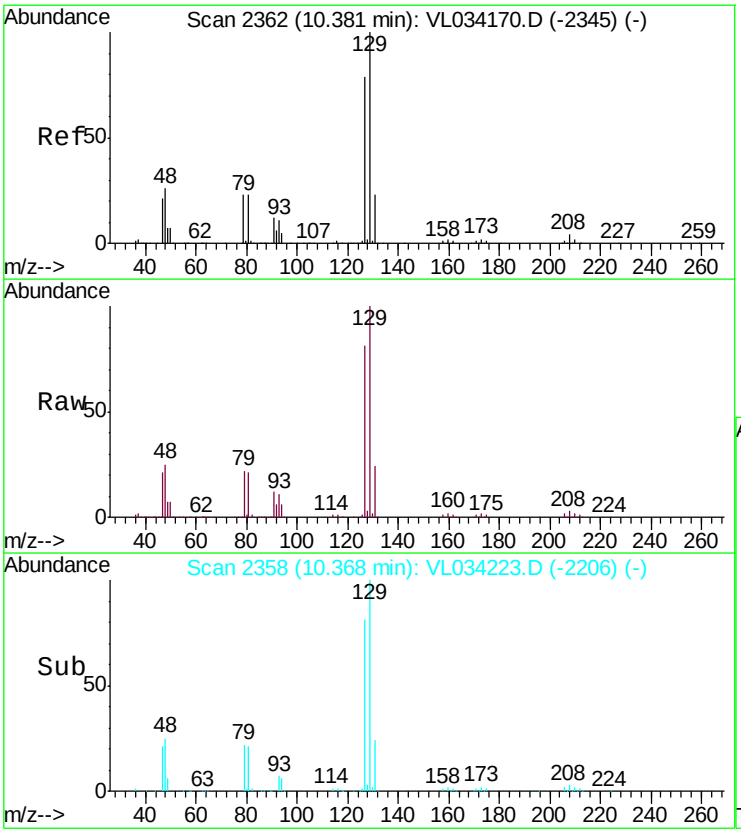
#47
1,1,2-Trichloroethane
Concen: 8.684 ppbv
RT: 9.54 min Scan# 2100
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 746710

Ion	Ratio	Lower	Upper
97	100		
83	97.4	75.3	112.9
85	60.0	52.1	78.1
99	62.6	50.2	75.2

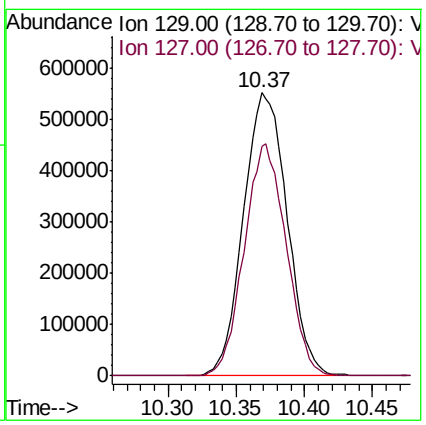


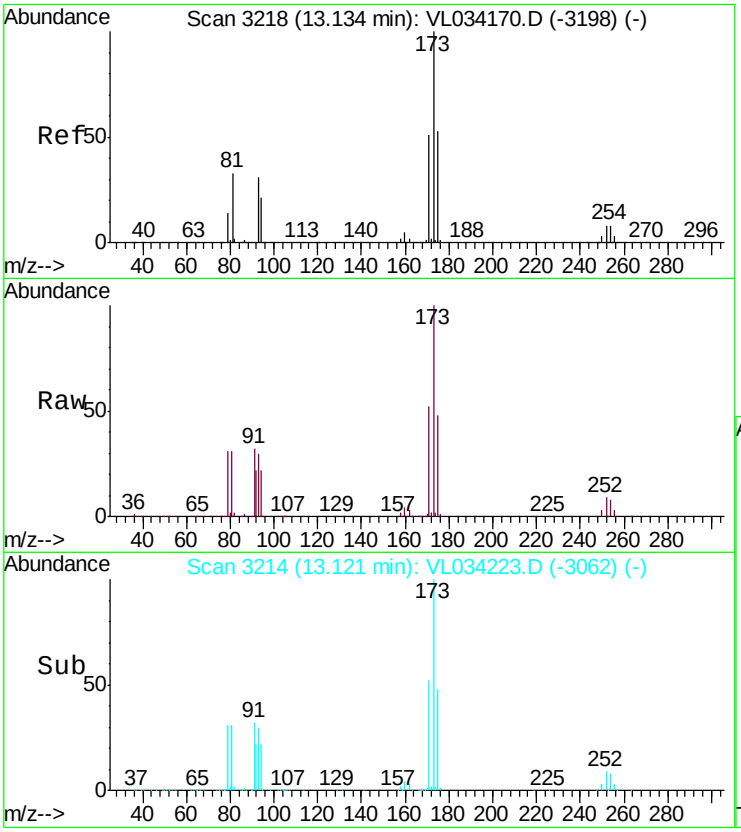


#48
Dibromochloromethane
Concen: 9.016 ppbv
RT: 10.37 min Scan# 2358
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:129 Resp: 1228747

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6



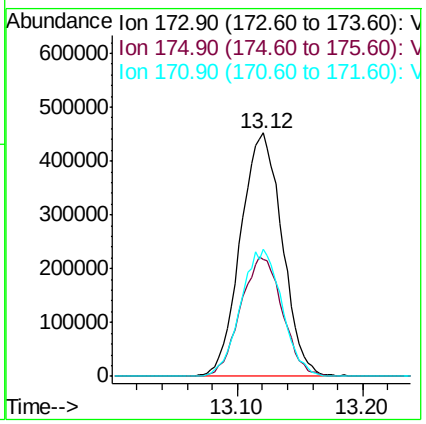


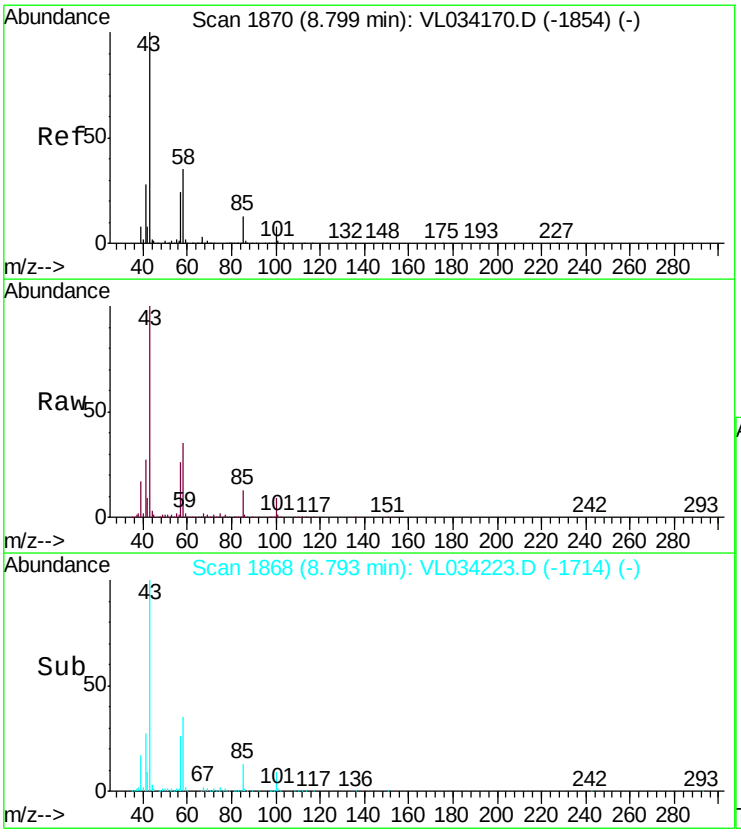
#49
Bromoform
Concen: 9.473 ppbv
RT: 13.12 min Scan# 3214
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1044769

Ion	Ratio	Lower	Upper
173	100		
175	49.4	40.3	60.5
171	51.9	42.0	63.0

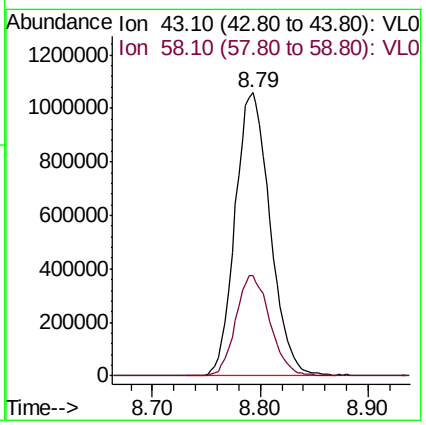


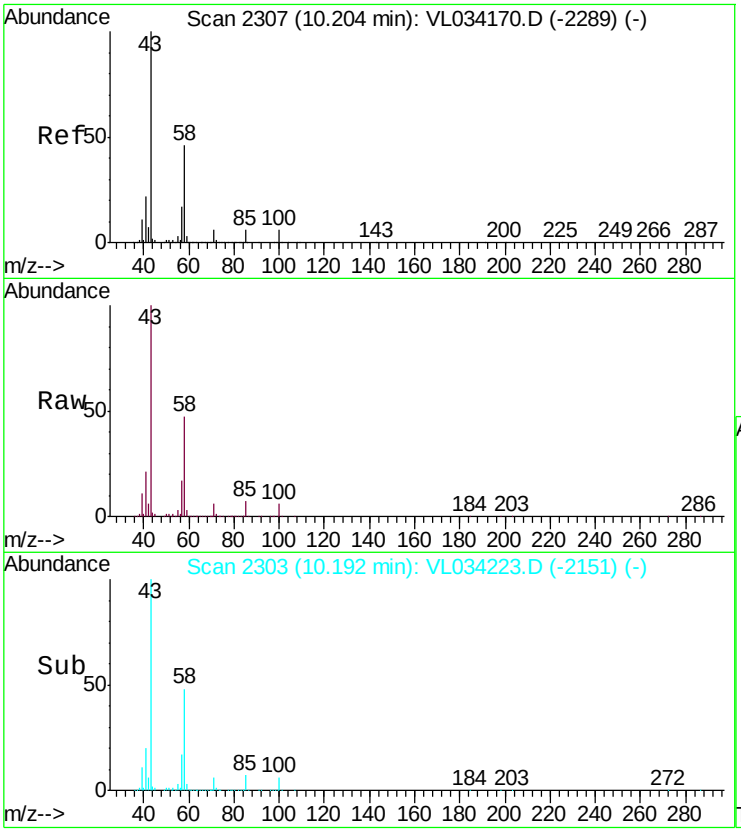


#50
4-Methyl-2-Pentanone
Concen: 8.328 ppbv
RT: 8.79 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 2388010

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4



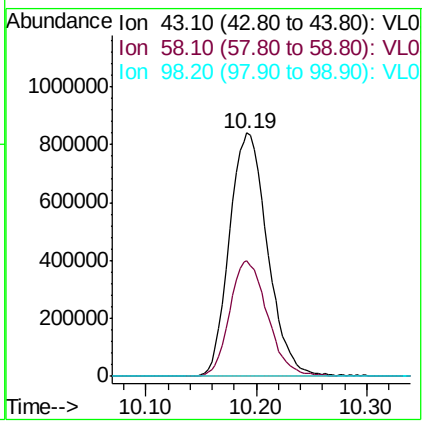


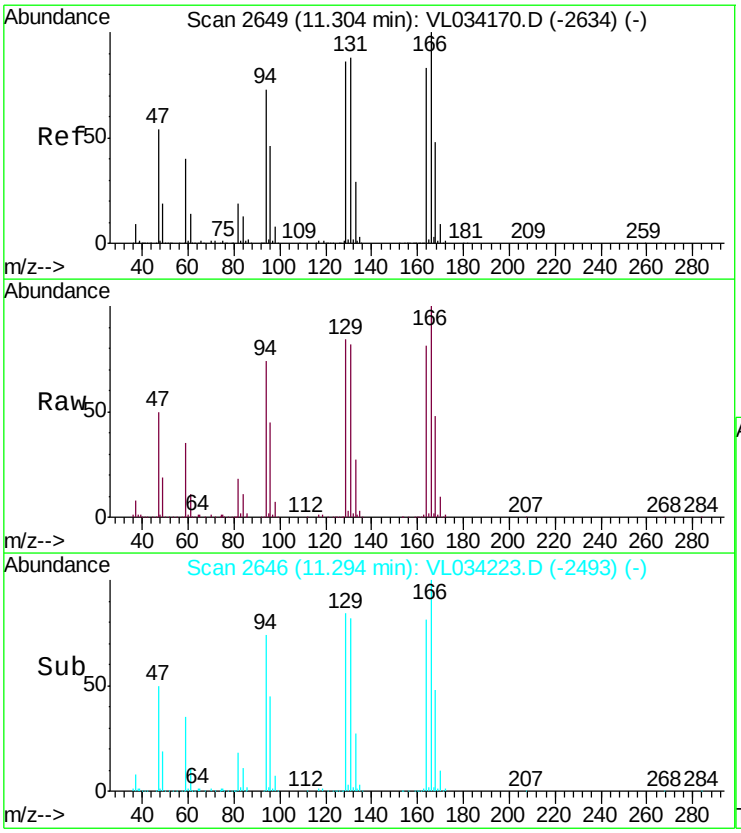
#51
2-Hexanone
Concen: 8.345 ppbv
RT: 10.19 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2008286

Ion	Ratio	Lower	Upper
43	100		
58	47.1	36.2	54.4
98	0.1	0.2	0.2#

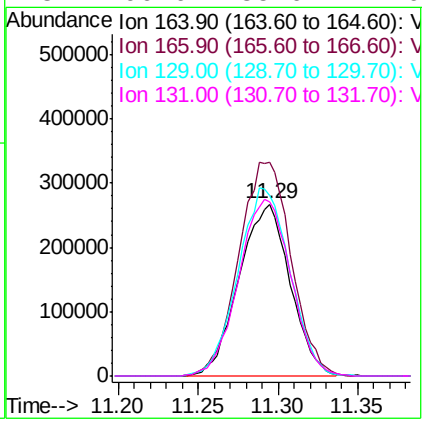


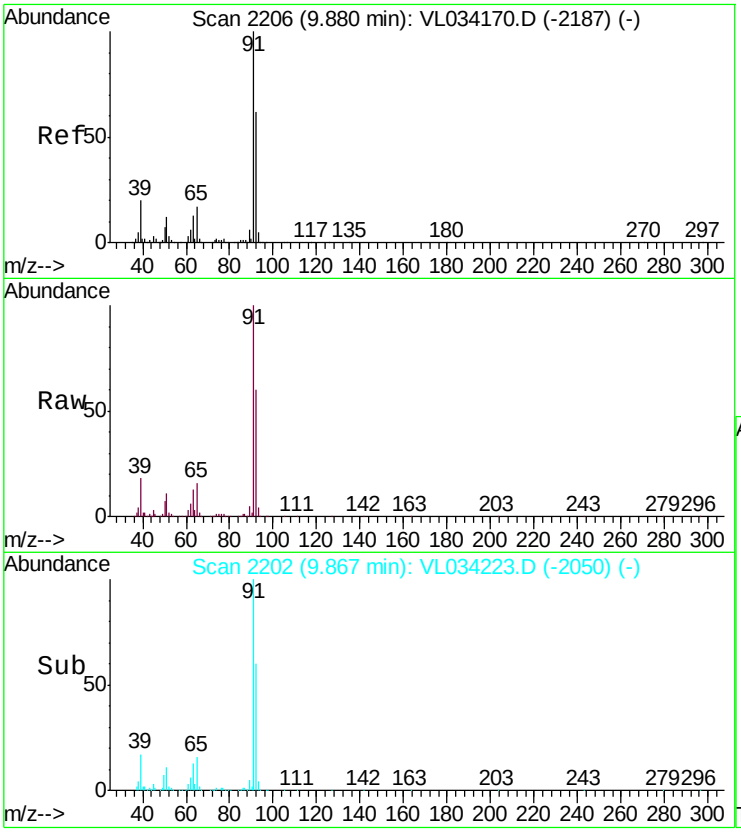


#52
Tetrachloroethene
Concen: 8.239 ppbv
RT: 11.29 min Scan# 2646
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:164 Resp: 580114

Ion	Ratio	Lower	Upper
164	100		
166	124.0	96.7	145.1
129	104.7	82.8	124.2
131	100.6	85.0	127.6



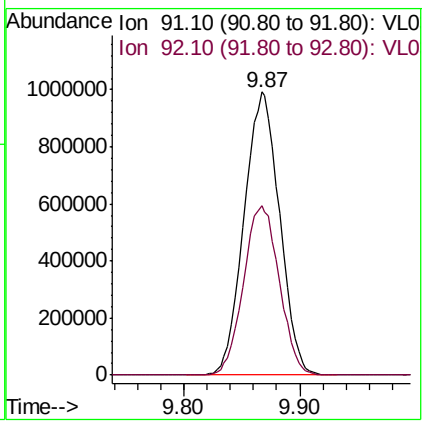


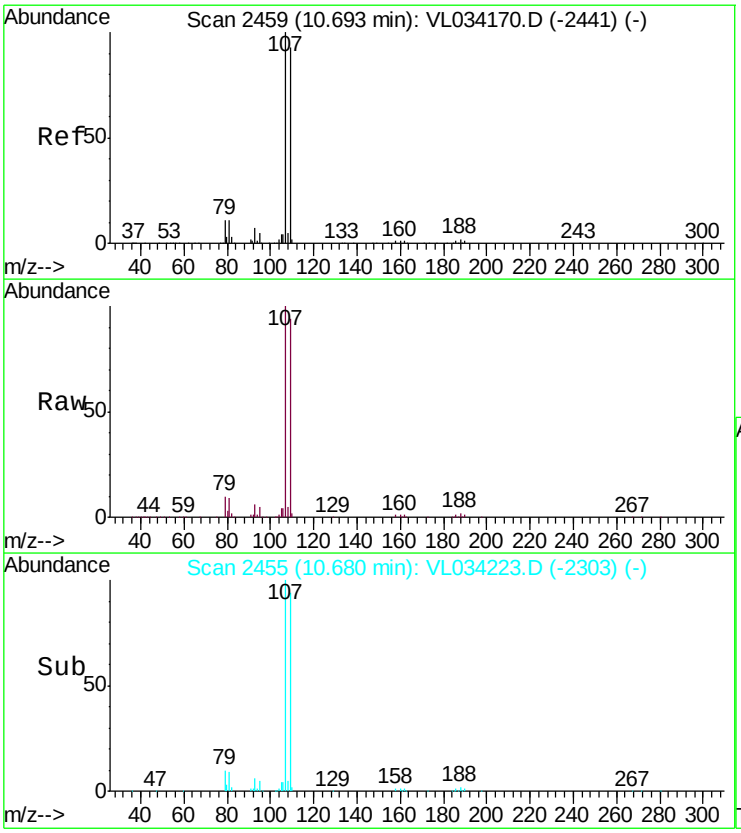
#53
Toluene
Concen: 9.080 ppbv
RT: 9.87 min Scan# 2202
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2114952

Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.0	73.6

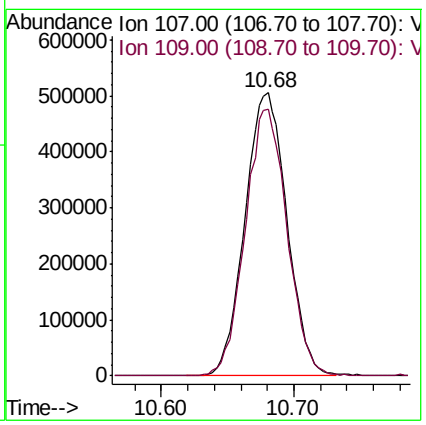


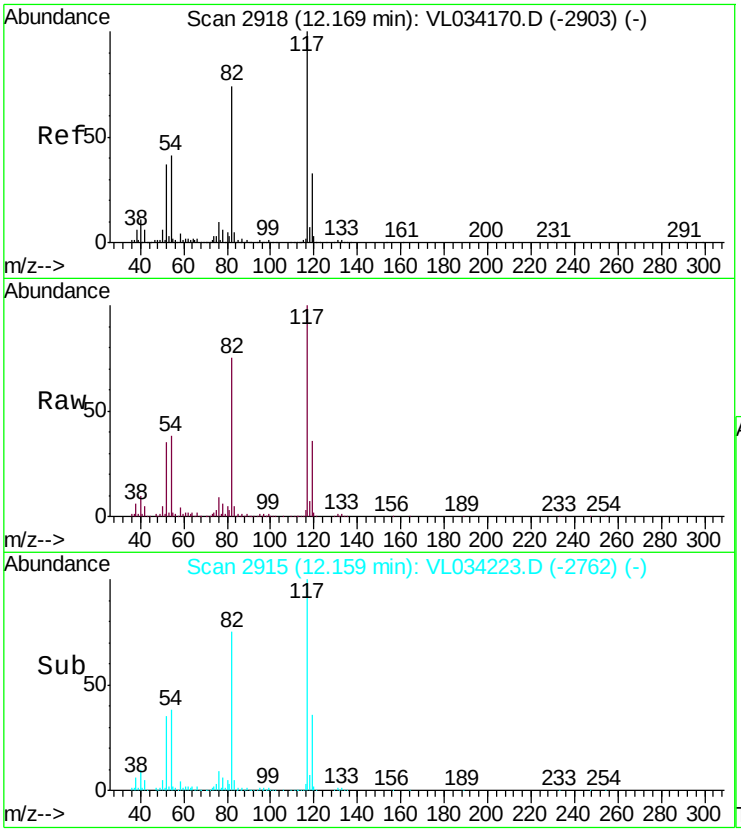


#54
1,2-Dibromoethane
Concen: 8.710 ppbv
RT: 10.68 min Scan# 2455
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:107 Resp: 1113722

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.5	111.7



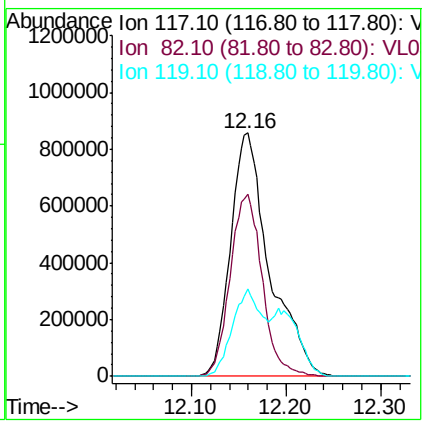


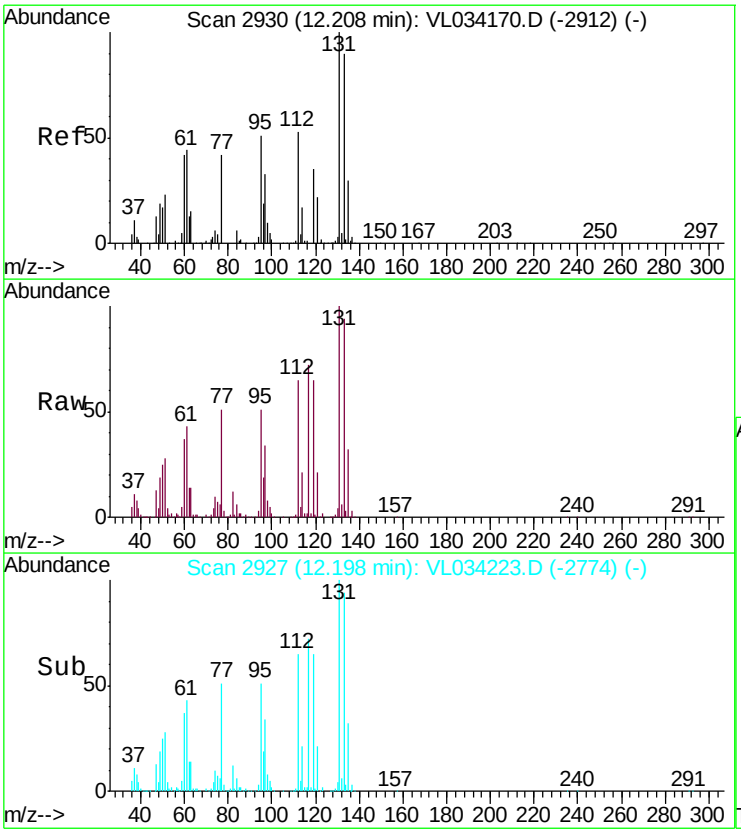
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2454735

Ion	Ratio	Lower	Upper
117	100		
82	61.7	58.2	87.4
119	46.9	23.7	35.5#

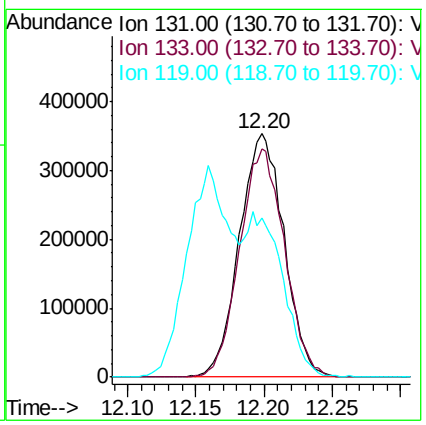


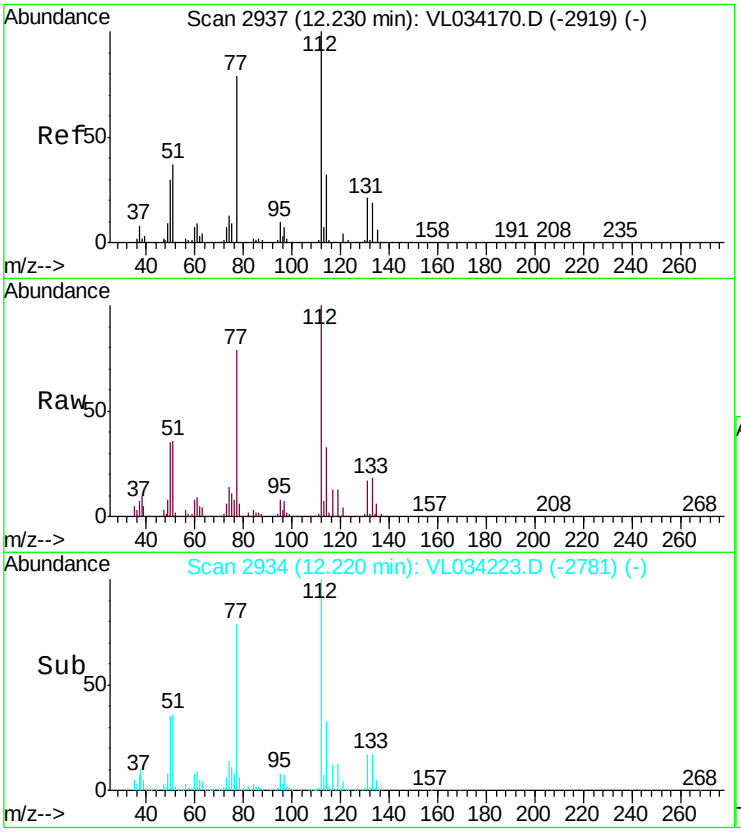


#56
1,1,1,2-Tetrachloroethane
Concen: 7.313 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:131 Resp: 800526

Ion	Ratio	Lower	Upper
131	100		
133	94.5	75.1	112.7
119	58.4	47.4	71.0



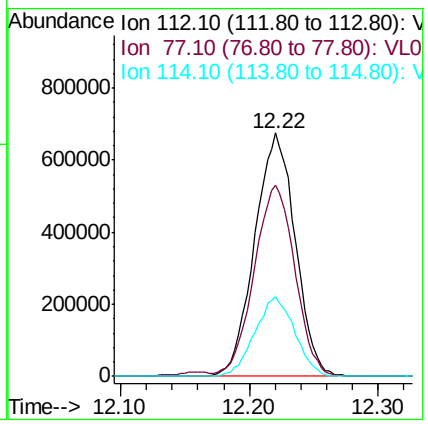


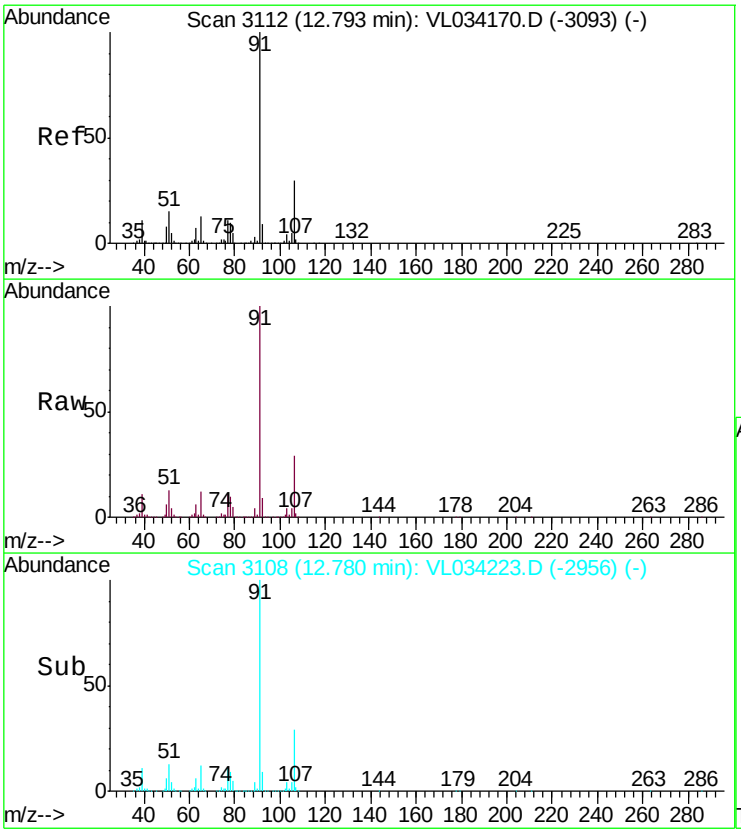
#57
Chlorobenzene
Concen: 6.920 ppbv
RT: 12.22 min Scan# 2934
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1478906

Ion	Ratio	Lower	Upper
112	100		
77	78.3	64.3	96.5
114	32.7	28.9	35.3

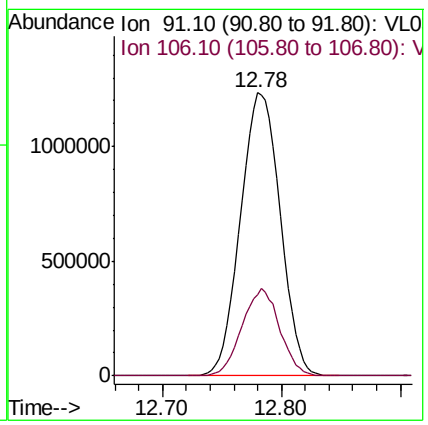


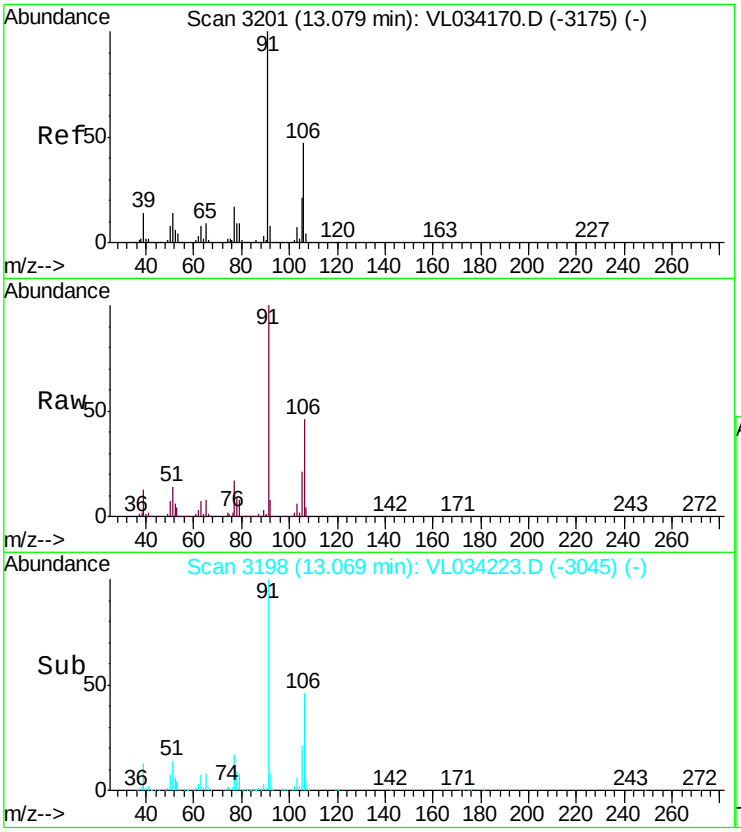


#58
Ethyl Benzene
Concen: 7.219 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 2859207

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.2	36.4



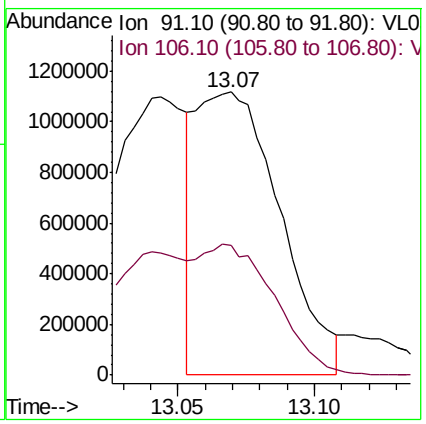


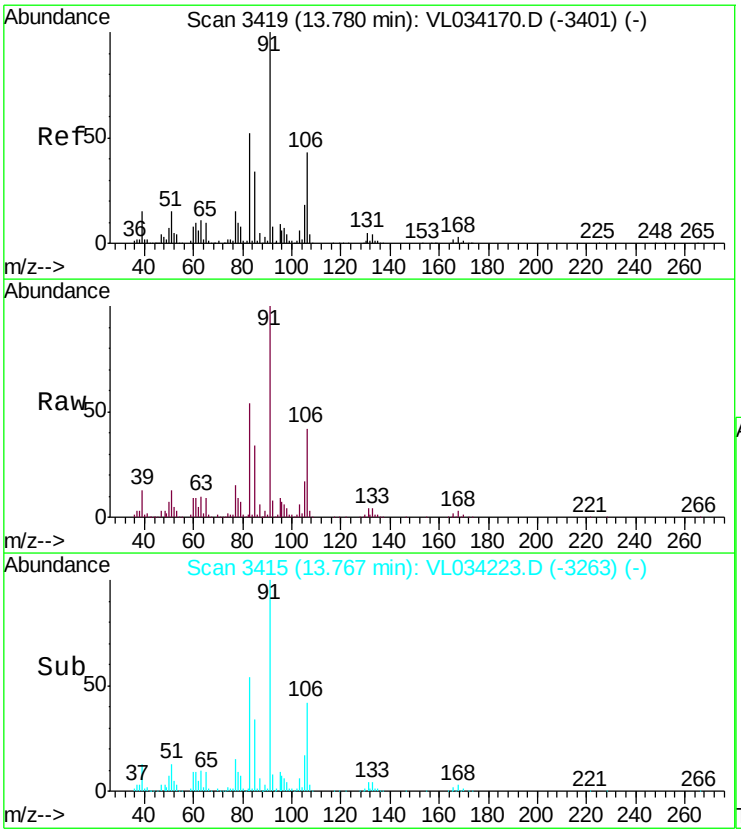
#59
m/p-Xylene
Concen: 7.219 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2368436

Ion	Ratio	Lower	Upper
91	100		
106	84.4	35.5	53.3#

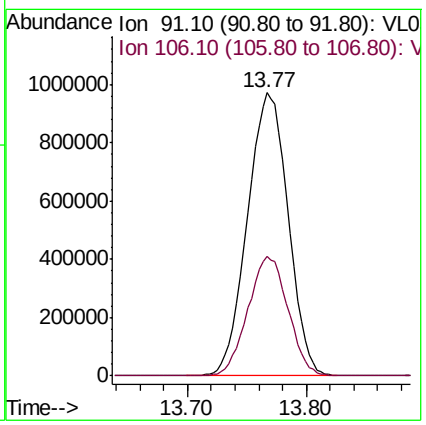


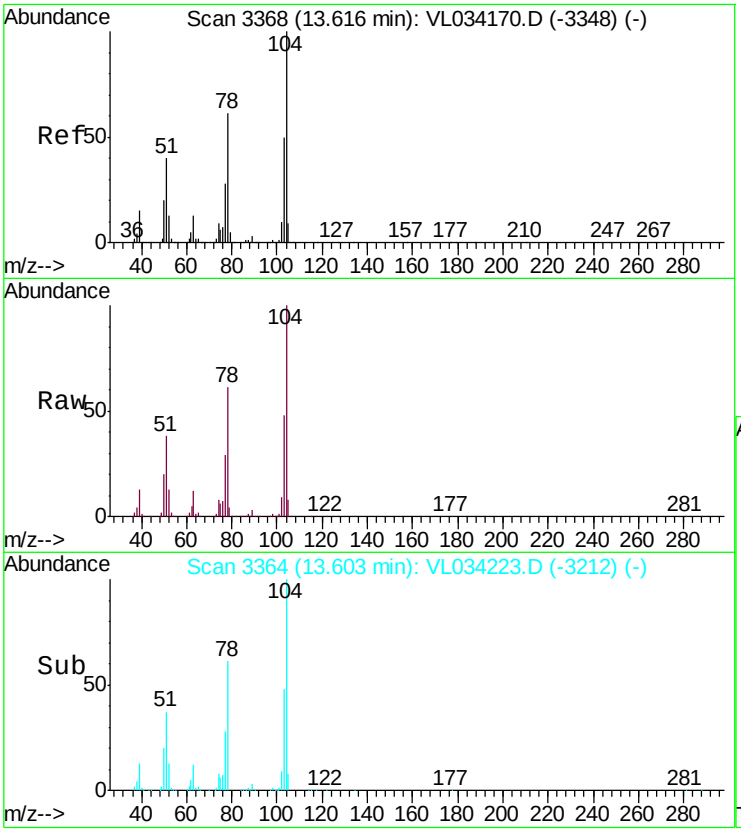


#60
o-Xylene
Concen: 7.011 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 2299853

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.2	63.6



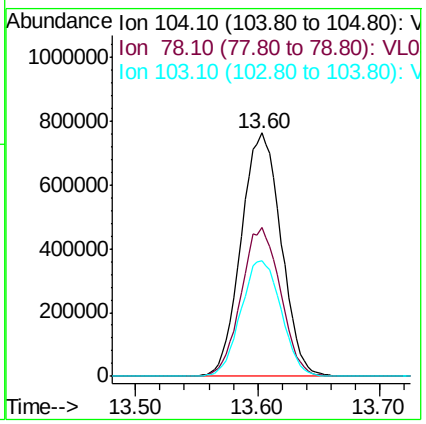


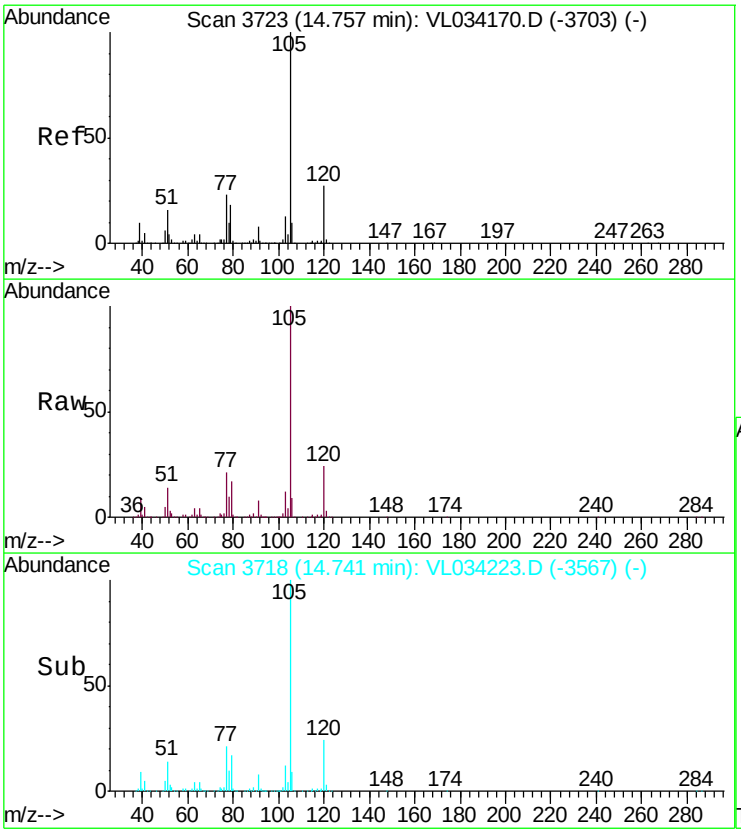
#61
Styrene
Concen: 7.348 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1726483

Ion	Ratio	Lower	Upper
104	100		
78	60.0	49.7	74.5
103	47.8	38.4	57.6

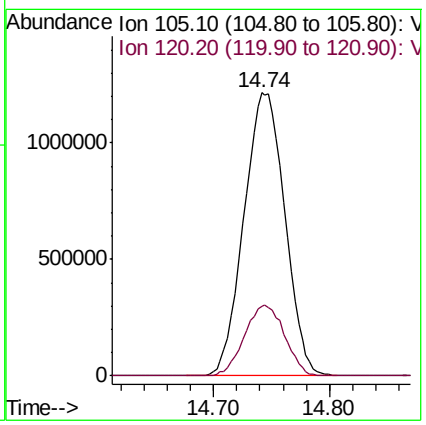


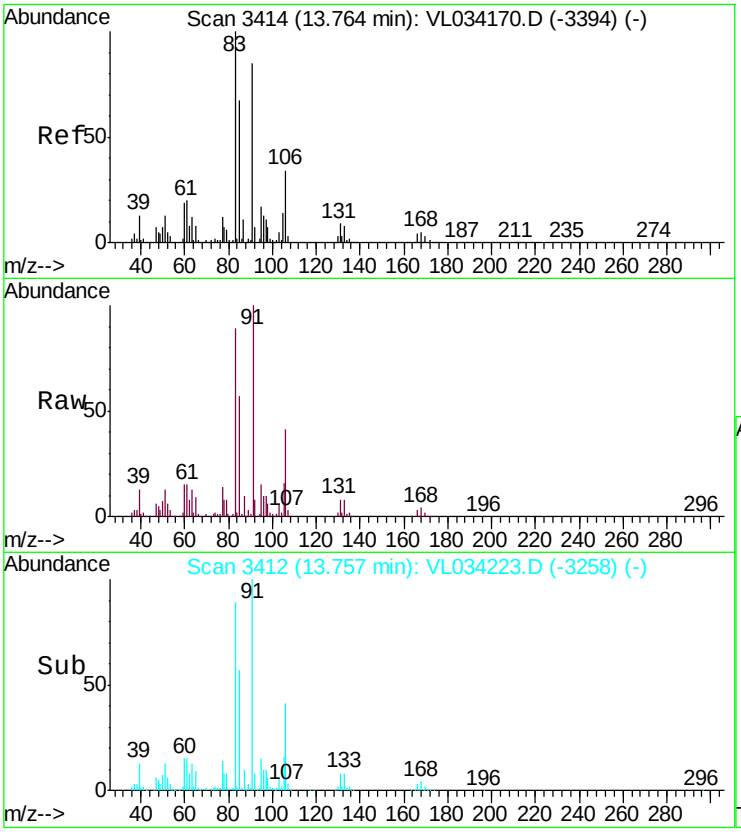


#62
Isopropylbenzene
Concen: 7.032 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:105 Resp: 2986295

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.7	31.1



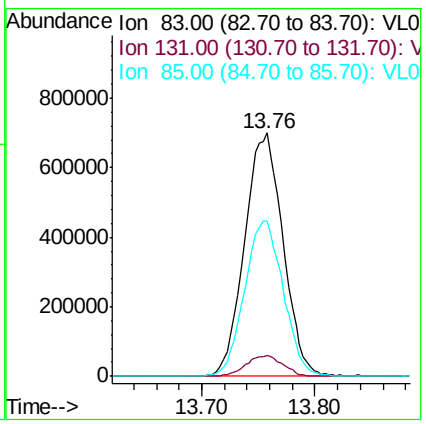


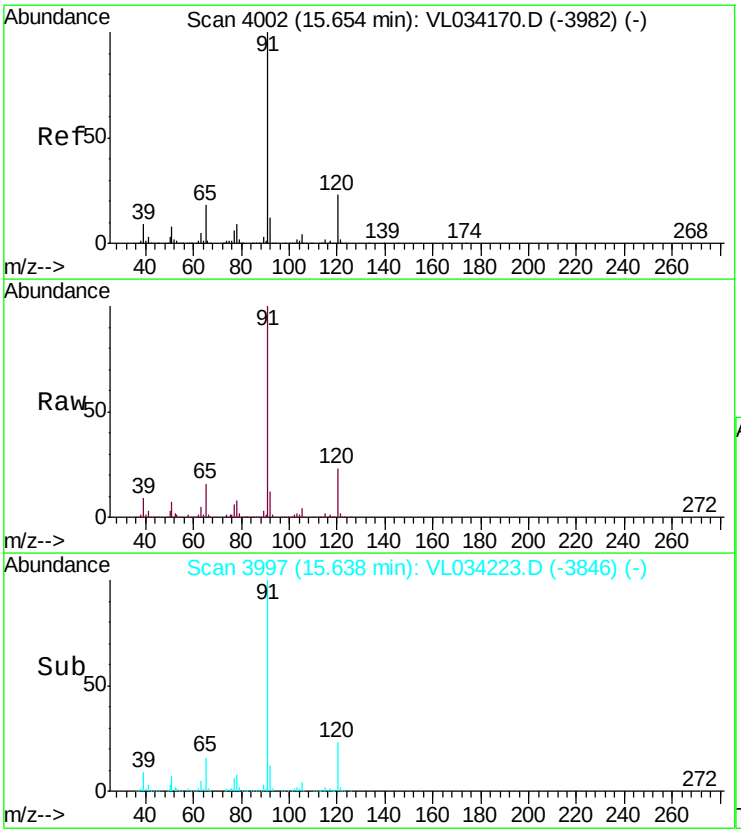
#63
1,1,2,2-Tetrachloroethane
Concen: 6.125 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1647679

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	64.7	32.8	98.4

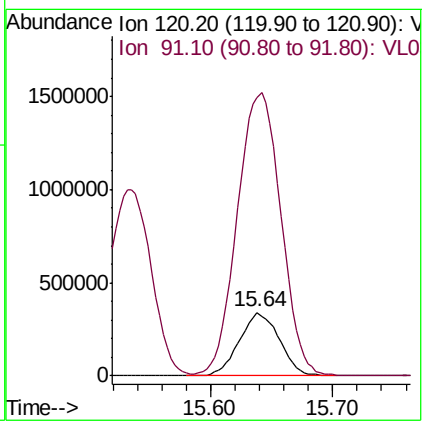


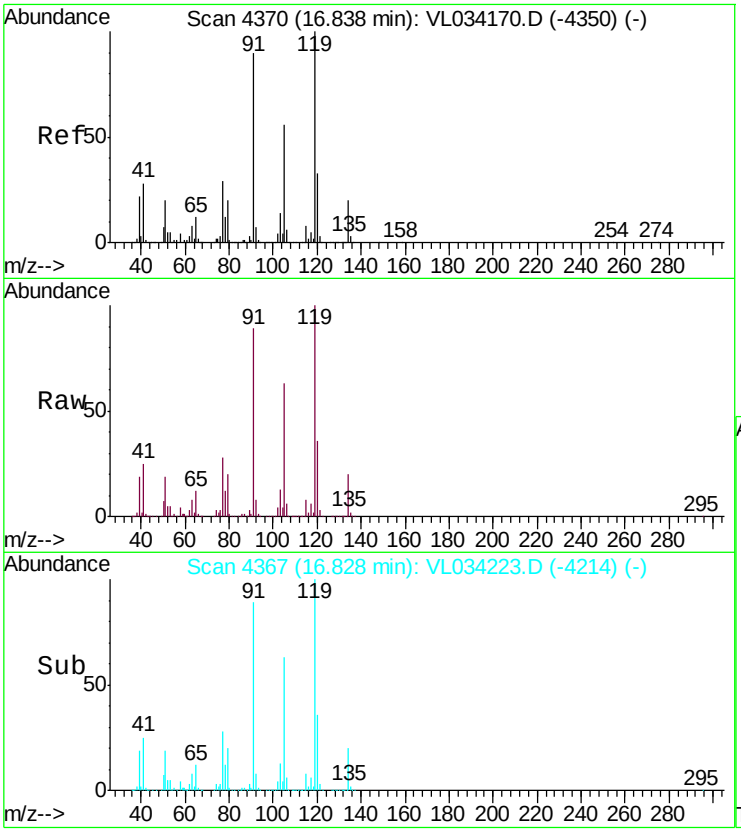


#64
n-propylbenzene
Concen: 7.168 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:120 Resp: 770136

Ion	Ratio	Lower	Upper
120	100		
91	488.9	378.2	567.2



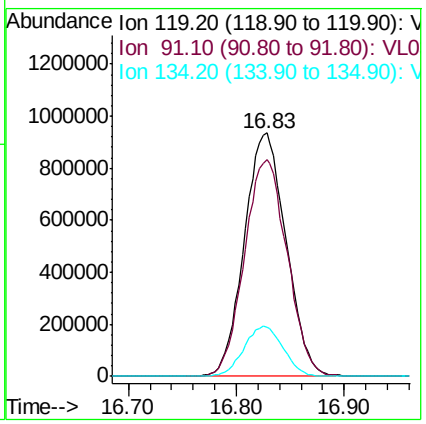


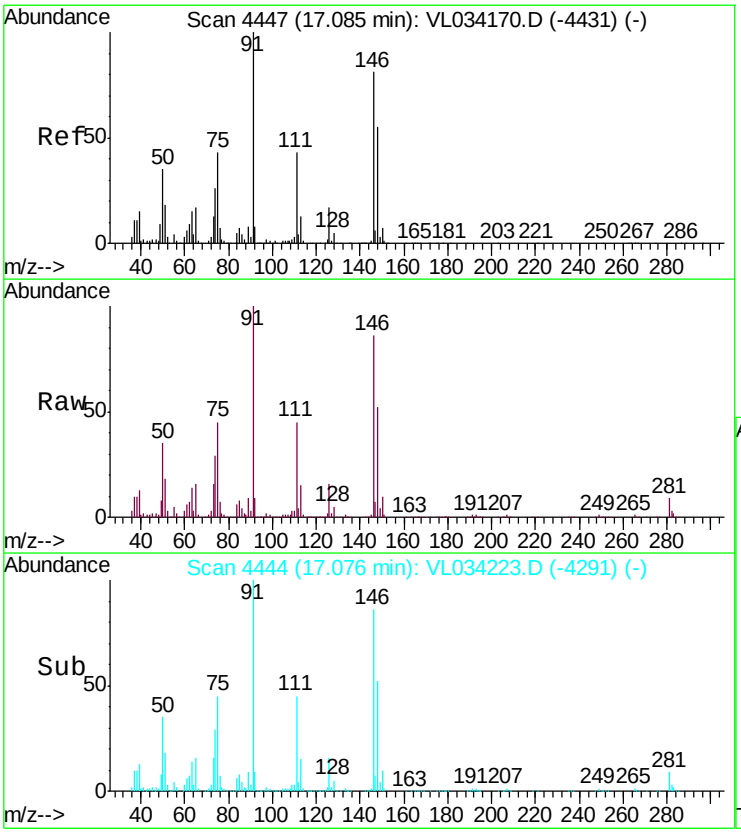
#65
tert-Butylbenzene
Concen: 6.780 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2515836

Ion	Ratio	Lower	Upper
119	100		
91	91.0	74.9	112.3
134	19.5	15.8	23.6

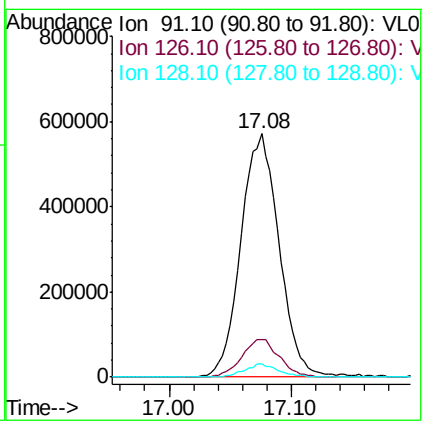


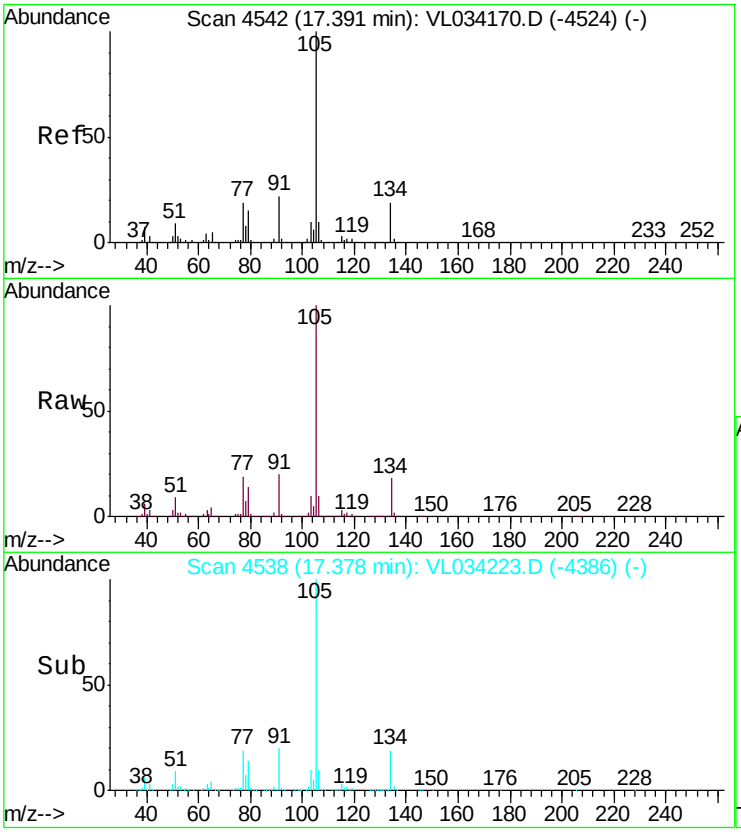


#66
Benzyl Chloride
Concen: 9.353 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 1227776

Ion	Ratio	Lower	Upper
91	100		
126	15.6	12.6	19.0
128	5.0	4.0	6.0



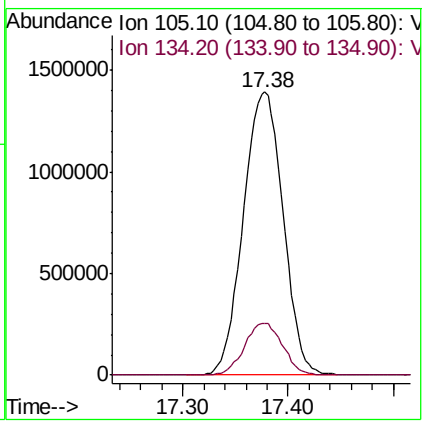


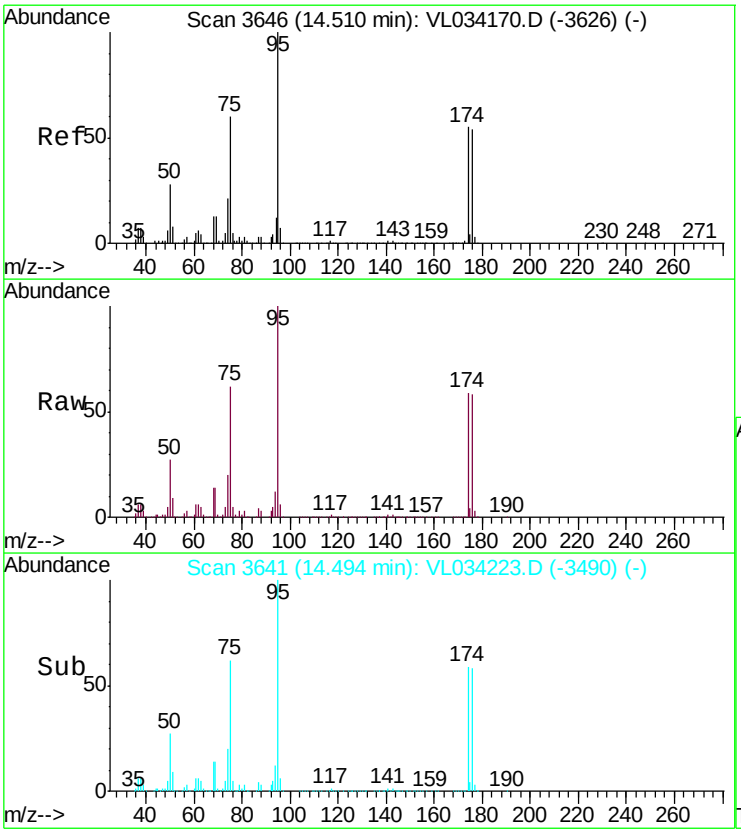
#67
sec-Butylbenzene
Concen: 6.877 ppbv
RT: 17.38 min Scan# 4538
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3648844

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	22.0

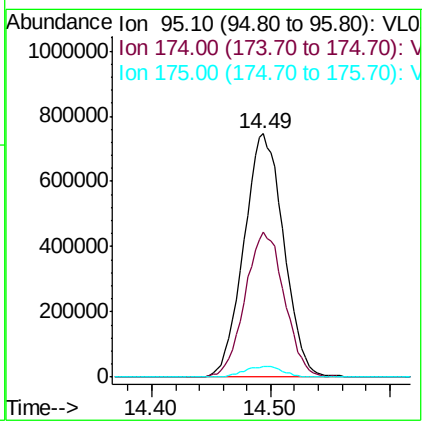


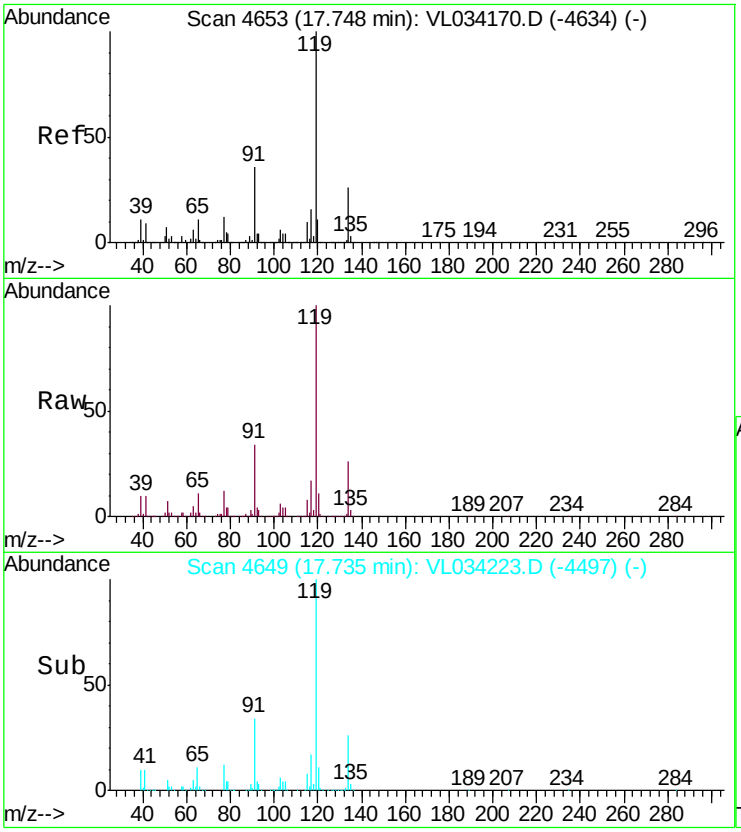


#68
1-Bromo-4-Fluorobenzene
Concen: 8.089 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 95 Resp: 1725325

Ion	Ratio	Lower	Upper
95	100		
174	58.8	45.1	67.7
175	4.3	3.3	4.9



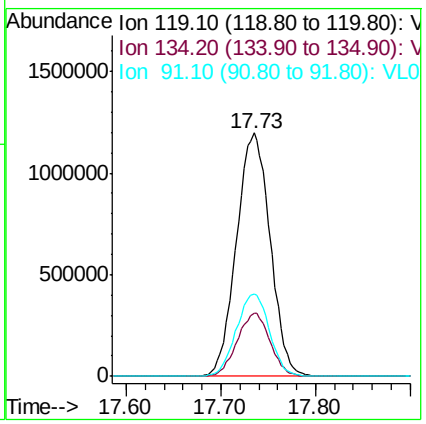


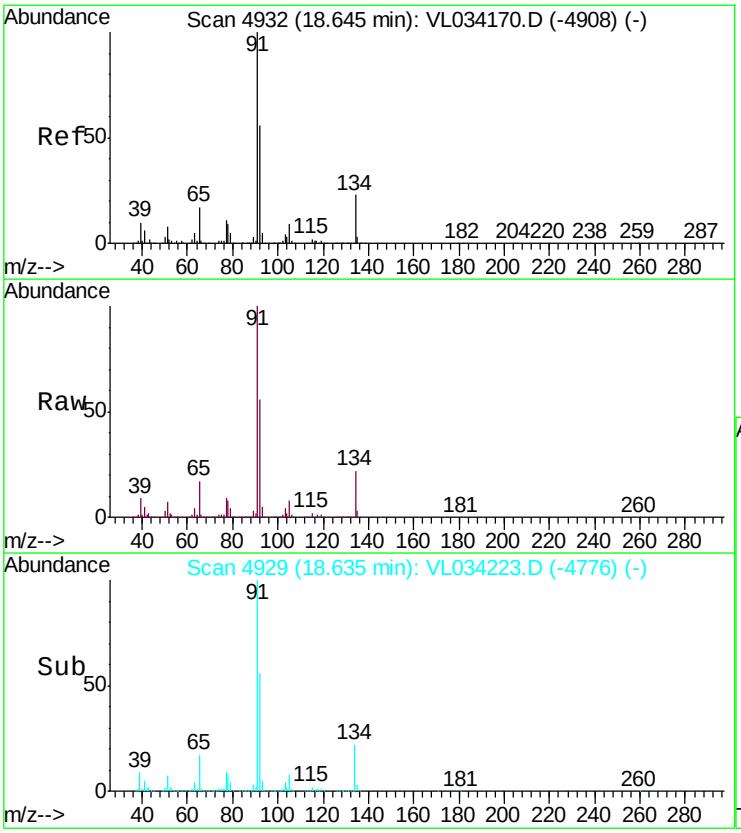
#69
p-Isopropyltoluene
Concen: 6.876 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2954393

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	33.5	27.6	41.4

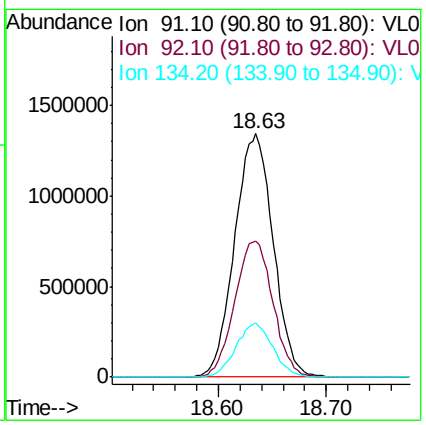


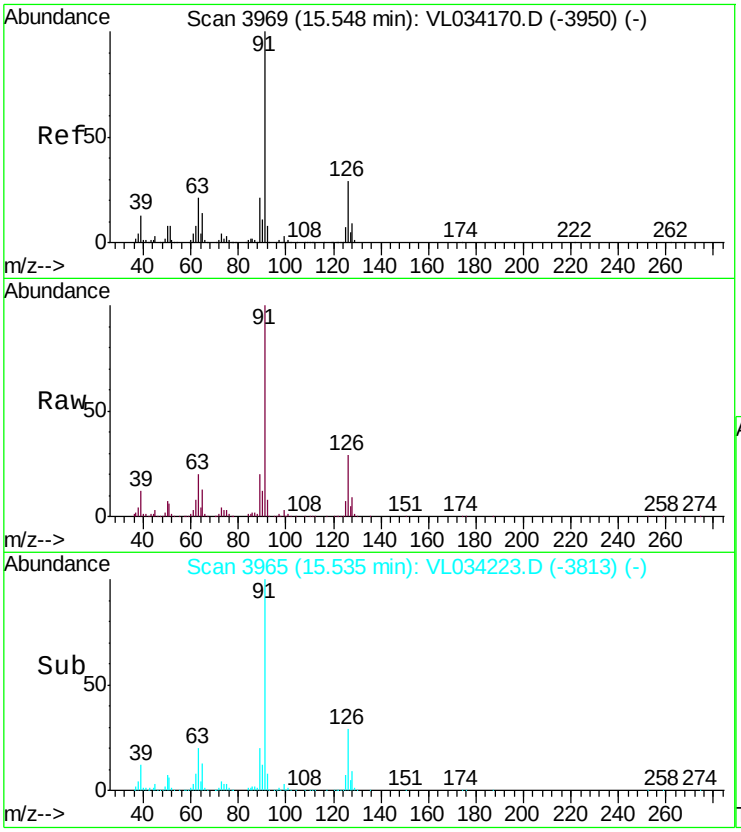


#70
n-Butylbenzene
Concen: 6.654 ppbv
RT: 18.63 min Scan# 4929
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 3328752

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.8	67.2
134	21.2	17.3	25.9



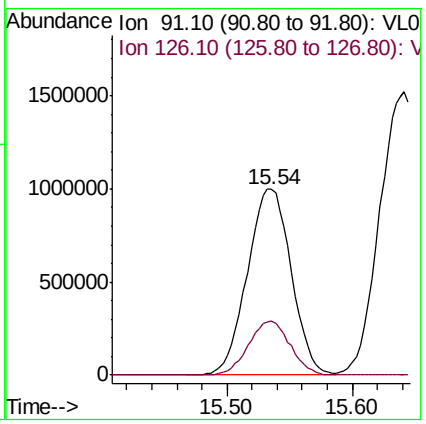


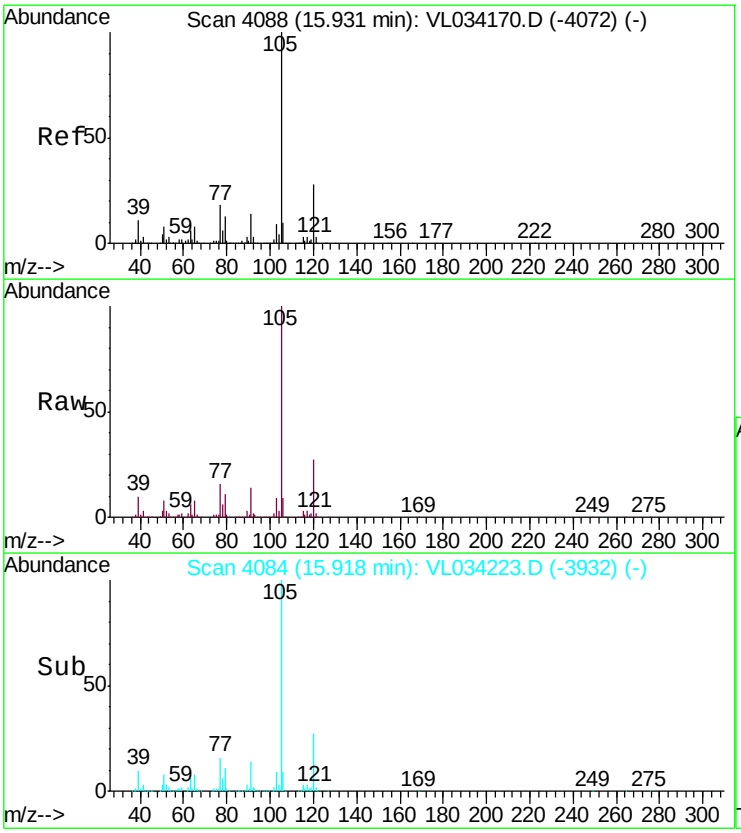
#71
2-Chlorotoluene
Concen: 6.994 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2426678

Ion	Ratio	Lower	Upper
91	100		
126	27.6	11.2	45.0

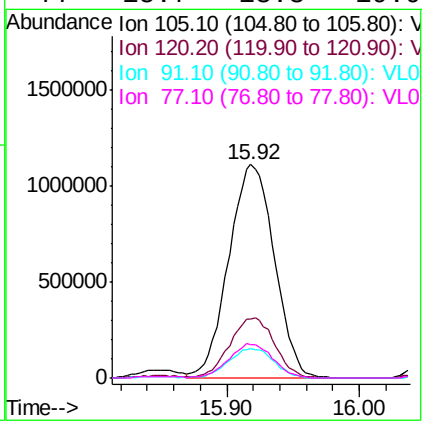


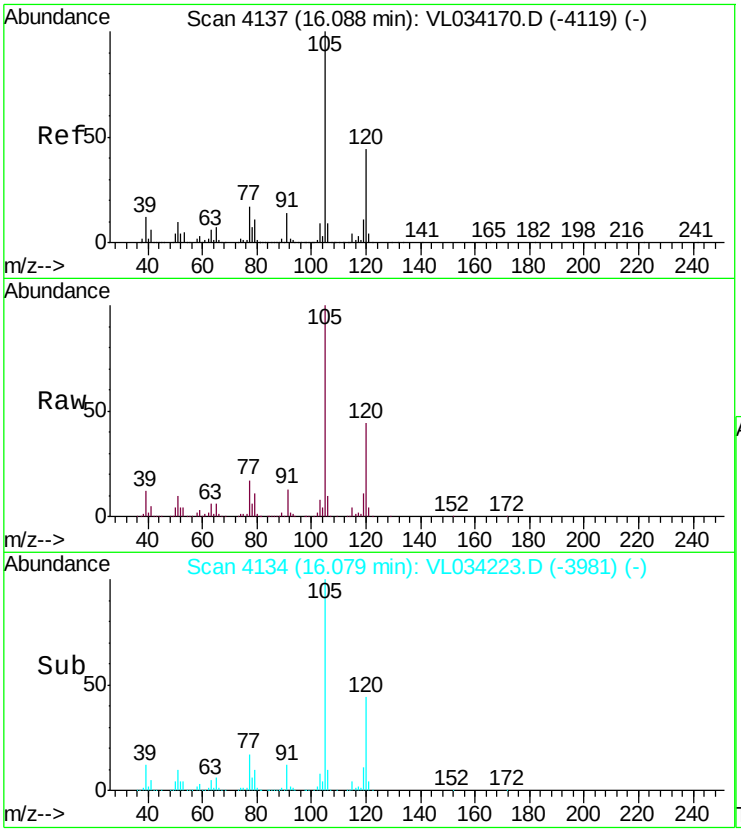


#72
4-Ethyltoluene
Concen: 7.123 ppbv
RT: 15.92 min Scan# 4084
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:105 Resp: 2639806

Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.3	34.9
91	13.7	11.4	17.2
77	15.7	13.3	19.9



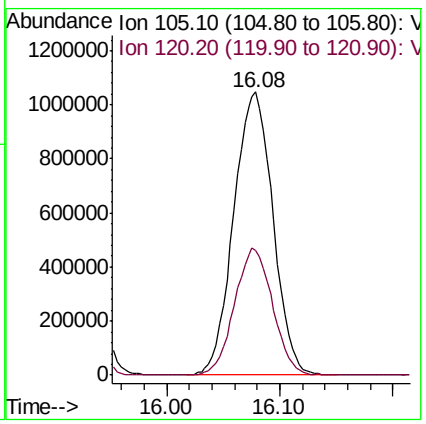


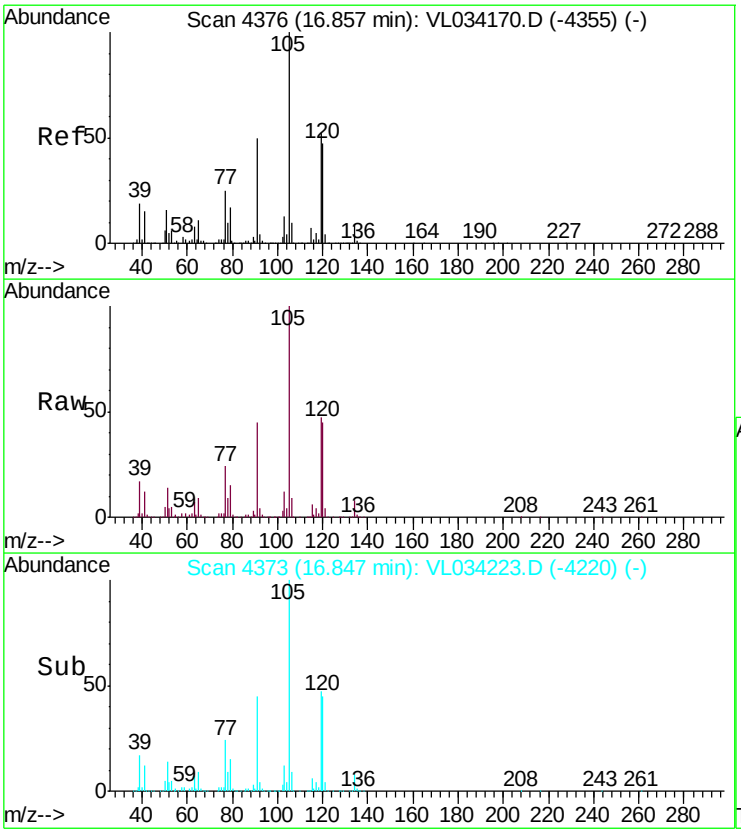
#73
1,3,5-Trimethylbenzene
Concen: 7.010 ppbv
RT: 16.08 min Scan# 4134
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2510002

Ion	Ratio	Lower	Upper
105	100		
120	43.9	35.6	53.4

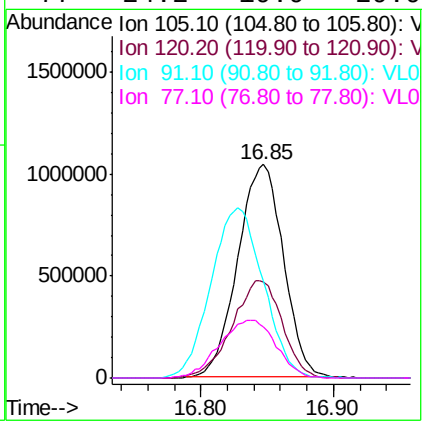


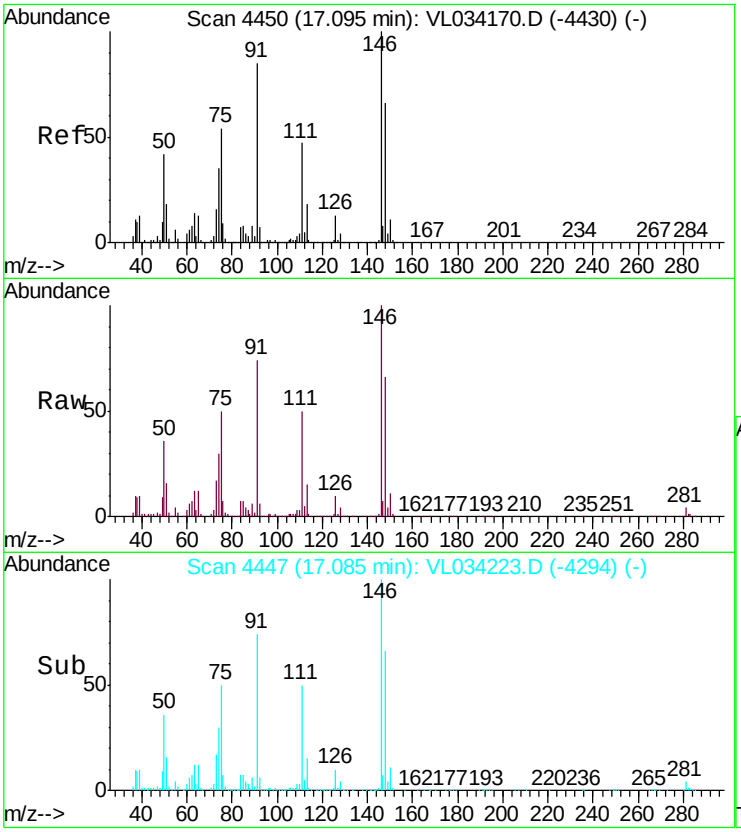


#74
1,2,4-Trimethylbenzene
Concen: 6.557 ppbv
RT: 16.85 min Scan# 4373
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:105 Resp: 2492836

Ion	Ratio	Lower	Upper
105	100		
120	44.4	37.5	56.3
91	45.2	41.1	61.7
77	24.2	19.9	29.9



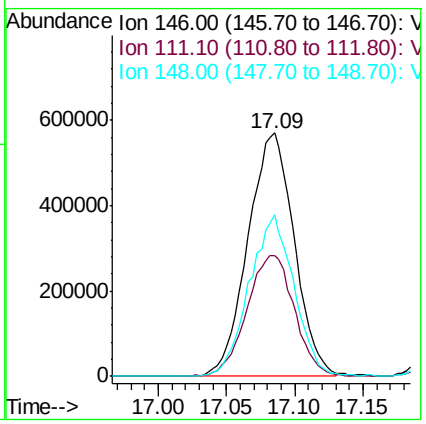


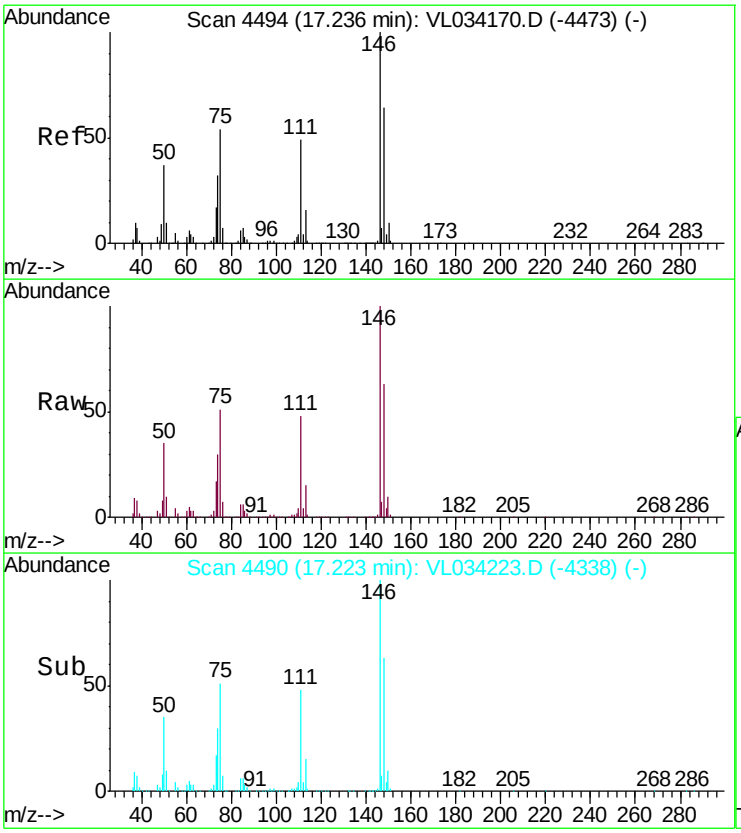
#75
1,3-Dichlorobenzene
Concen: 6.575 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1341209

Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.9	77.8
148	64.3	32.6	97.7

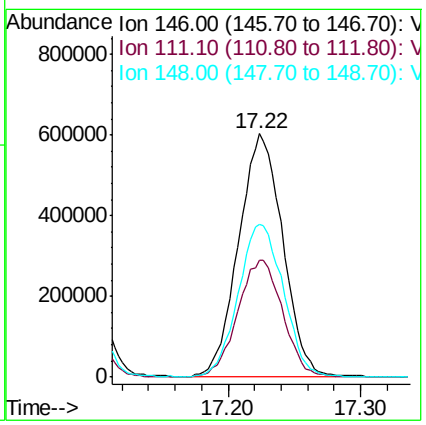


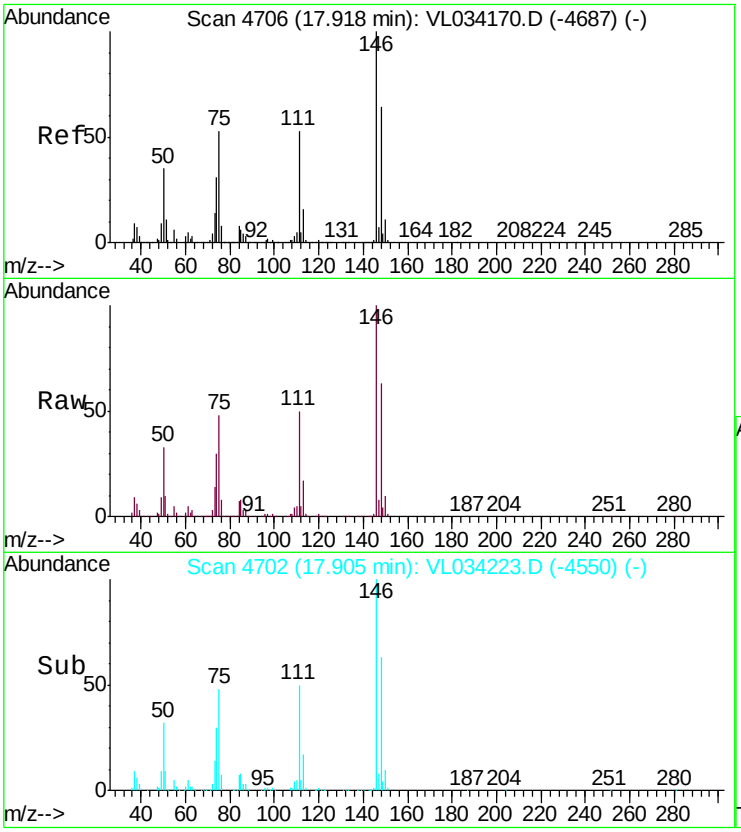


#76
1,4-Dichlorobenzene
Concen: 6.628 ppbv
RT: 17.22 min Scan# 4490
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:146 Resp: 1384557

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.6	74.0
148	64.7	32.4	97.0



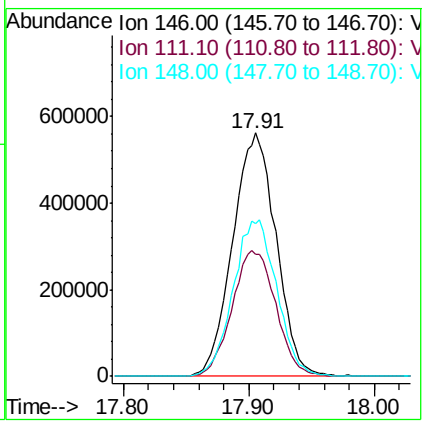


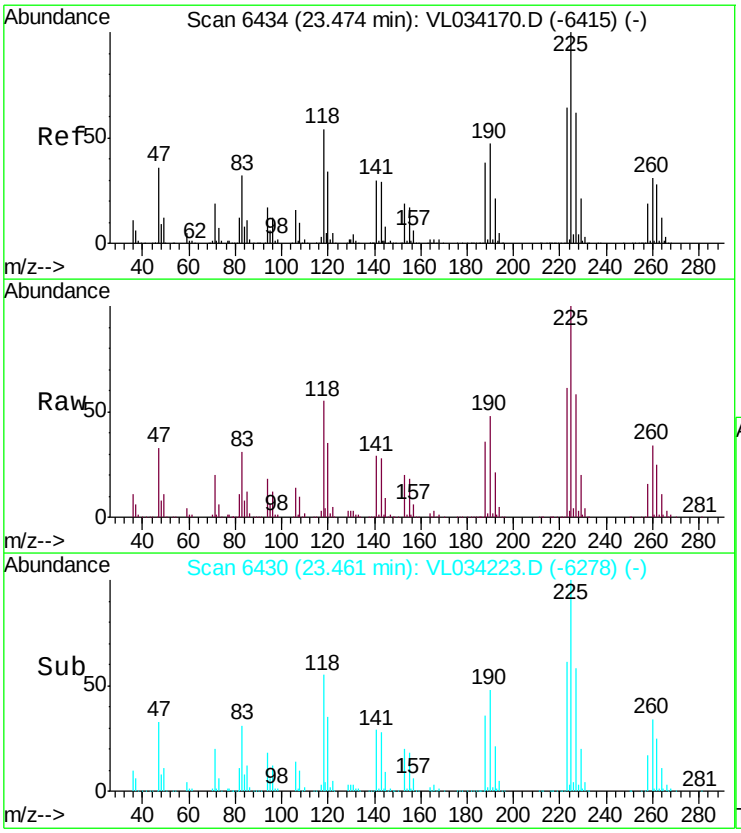
#77
1,2-Dichlorobenzene
Concen: 6.500 ppbv
RT: 17.91 min Scan# 4702
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1342026

Ion	Ratio	Lower	Upper
146	100		
111	52.6	26.1	78.3
148	65.0	31.9	95.9

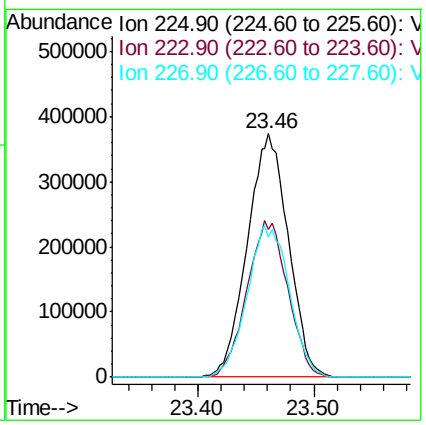


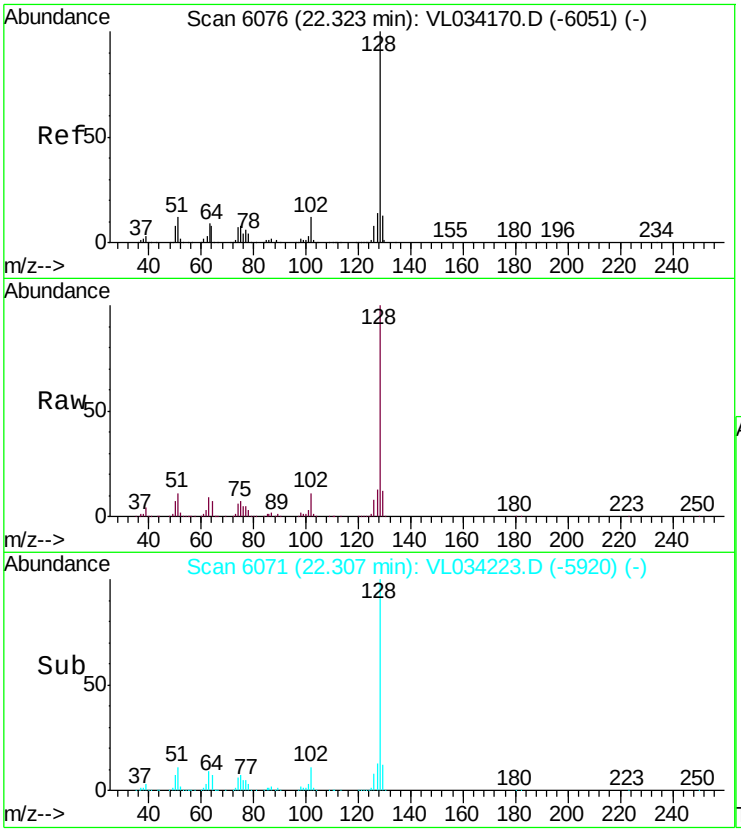


#78
Hexachloro-1,3-Butadiene
Concen: 6.705 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:225 Resp: 916820

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	64.2	52.1	78.1



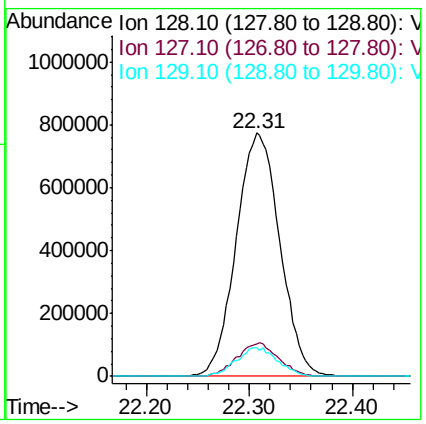


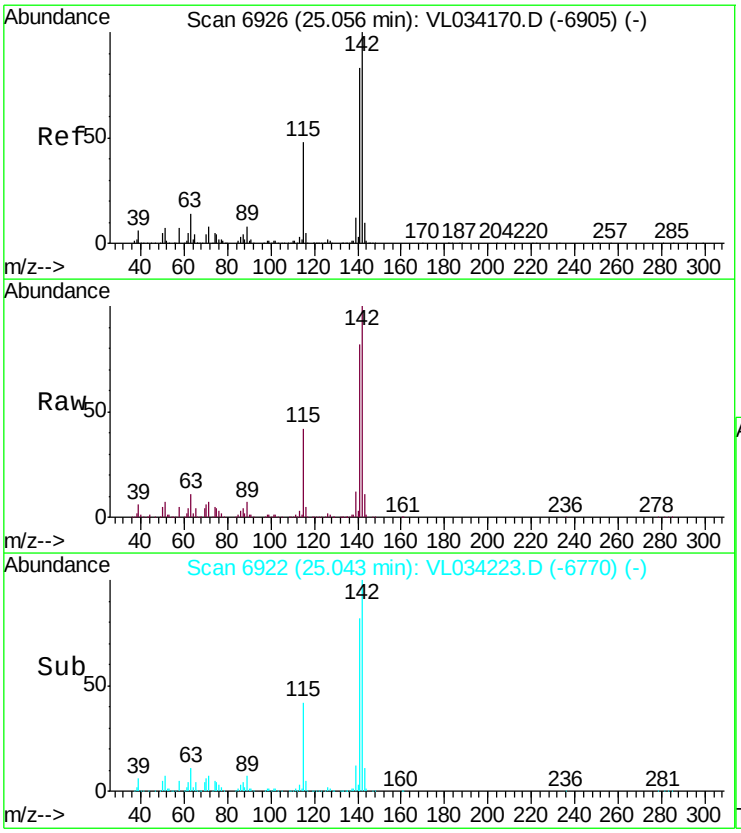
#79
Naphthalene
Concen: 6.789 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2272252

Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.1	16.7
129	11.5	10.2	15.4

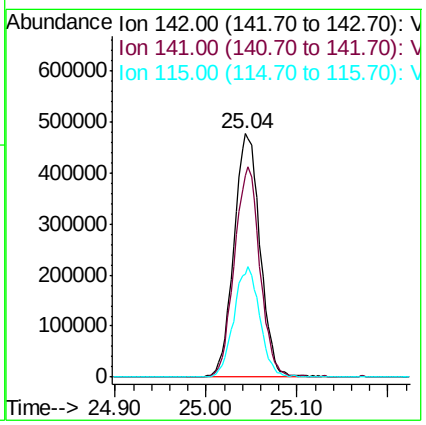


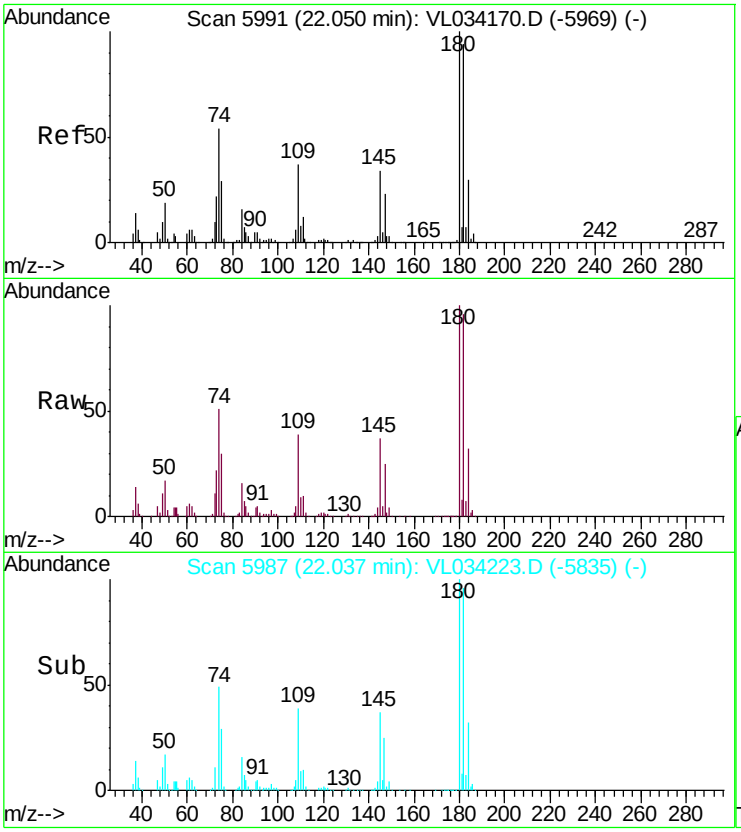


#80
Naphthalene,2-methyl-
Concen: 6.135 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion:142 Resp: 954862

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.6	101.4
115	44.5	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 6.712 ppbv
RT: 22.04 min Scan# 5987
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1244371

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	31.4	25.0	37.4