Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034518.D
Acq On : 30 Dec 2019 18:31
Operator : SY/AP
Sample : VL1230ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Quant Time: Dec 31 05:00:48 2019
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	1077702	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.20	114	2158786	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.13	117	2718806	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.47	95	1825865	8.05	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	1919086	11.291	ppbv		100
3) Chlorodifluoromethane	2.95	51	1191240	9.277	ppbv		99
4) Chloromethane	3.11	50	634122	8.314	ppbv		97
5) Vinyl Chloride	3.23	62	616760	8.258	ppbv		99
6) Bromomethane	3.45	94	342775	9.220	ppbv		97
7) Chloroethane	3.53	64	234137	8.996	ppbv		100
8) Dichlorotetrafluoroethane	3.16	85	1482824	8.699	ppbv		99
9) Propene	2.98	41	453909	9.169	ppbv		98
10) Heptane	8.15	43	1245720	9.744	ppbv		99
11) Trichlorofluoromethane	3.93	101	1702842	8.658	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1134005	9.065	ppbv		98
13) Ethanol	3.58	45	93126	6.780	ppbv		99
14) Bromoethene	3.72	108	456630	9.025	ppbv		100
15) Acetone	3.83	43	1183821	7.527	ppbv		99
16) 1,3-Butadiene	3.30	39	561995	9.291	ppbv		99
17) tert-Butyl alcohol	4.28	59	931837	7.399	ppbv		99
18) 1,1-Dichloroethene	4.27	96	502714	9.225	ppbv		94
19) Isopropyl Alcohol	3.95	45	680908	6.688	ppbv	#	99
20) Methylene Chloride	4.33	84	442361	7.148	ppbv		98
21) Allyl Chloride	4.40	41	820485	9.076	ppbv		99
22) trans-1,2-Dichloroethene	4.88	96	503210	9.079	ppbv		97
23) Vinyl Acetate	5.07	43	1763910	9.714	ppbv		98
24) 1,1-Dichloroethane	5.01	63	1289468	8.839	ppbv		98
25) Ethyl Acetate	5.68	43	2167685	8.825	ppbv		99
26) Hexane	5.69	57	951190	9.191	ppbv		97
27) Carbon Disulfide	4.54	76	1261409	9.642	ppbv		99
28) Methyl tert-Butyl Ether	5.03	73	1638455	9.479	ppbv		99
29) Chloroform	5.76	83	1585660	8.855	ppbv		96
30) Cyclohexane	7.15	84	750928	9.761	ppbv		99
31) cis-1,2-Dichloroethene	5.56	61	1007810	9.556	ppbv		97
32) 1,1,1-Trichloroethane	6.53	97	1633706	8.789	ppbv		100
34) 2-Butanone	5.24	43	1444790	9.365	ppbv		99
35) Carbon Tetrachloride	7.03	117	1747895	8.928	ppbv		94
36) Benzene	6.91	78	1774155	9.428	ppbv		99
37) 1,2-Dichloroethane	6.32	62	1369951	8.965	ppbv		100
38) Trichloroethene	7.86	130	735856	9.680	ppbv		98
39) 1,2-Dichloropropane	7.64	63	747693	9.663	ppbv		99
40) 1,4-Dioxane	7.86	88	237014	7.568	ppbv	#	90
41) Tetrahydrofuran	6.05	42	796669	10.067	ppbv		99
42) Bromodichloromethane	7.82	83	1752279	9.319	ppbv		99
43) Methyl Methacrylate	8.04	69	774147	10.085	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034518.D
Acq On : 30 Dec 2019 18:31
Operator : SY/AP
Sample : VL1230ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Quant Time: Dec 31 05:00:48 2019
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	3211991	9.227	ppbv		100
45) t-1,3-Dichloropropene	9.31	75	1013794	10.253	ppbv		100
46) cis-1,3-Dichloropropene	8.74	75	1146226	10.141	ppbv		96
47) 1,1,2-Trichloroethane	9.51	97	768252	9.007	ppbv		99
48) Dibromochloromethane	10.35	129	1464233	9.902	ppbv		99
49) Bromoform	13.10	173	1314697	9.821	ppbv		100
50) 4-Methyl-2-Pentanone	8.77	43	2153755	9.617	ppbv		99
51) 2-Hexanone	10.17	43	1797296	9.942	ppbv	#	99
52) Tetrachloroethene	11.27	164	688360	9.373	ppbv		95
53) Toluene	9.84	91	2080608	10.064	ppbv		99
54) 1,2-Dibromoethane	10.65	107	1231000	9.917	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	992574	7.563	ppbv		99
57) Chlorobenzene	12.19	112	1625435	7.246	ppbv		100
58) Ethyl Benzene	12.76	91	2906761	7.928	ppbv		99
59) m/p-Xylene	13.05	91	2396450	7.474	ppbv	#	30
60) o-Xylene	13.74	91	2497751	7.763	ppbv		99
61) Styrene	13.58	104	1760956	8.005	ppbv		99
62) Isopropylbenzene	14.72	105	3272516	7.776	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1773538	6.872	ppbv		99
64) n-propylbenzene	15.62	120	850385	7.913	ppbv		99
65) tert-Butylbenzene	16.81	119	2981844	7.842	ppbv		100
66) Benzyl Chloride	17.05	91	1430642	8.585	ppbv		100
67) sec-Butylbenzene	17.35	105	4102043	7.682	ppbv		100
69) p-Isopropyltoluene	17.71	119	3463863	7.998	ppbv		99
70) n-Butylbenzene	18.61	91	3627017	7.762	ppbv		100
71) 2-Chlorotoluene	15.51	91	2589206	7.922	ppbv		100
72) 4-Ethyltoluene	15.90	105	2853487	7.926	ppbv		99
73) 1,3,5-Trimethylbenzene	16.05	105	2759075	7.811	ppbv		97
74) 1,2,4-Trimethylbenzene	16.82	105	2868152	7.591	ppbv		96
75) 1,3-Dichlorobenzene	17.06	146	1626303	7.186	ppbv		98
76) 1,4-Dichlorobenzene	17.20	146	1616813	7.420	ppbv		99
77) 1,2-Dichlorobenzene	17.88	146	1587597	7.464	ppbv		99
78) Hexachloro-1,3-Butadiene	23.44	225	1322266	6.549	ppbv		98
79) Naphthalene	22.28	128	2287449	8.037	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	480354	6.093	ppbv	#	93
81) 1,2,4-Trichlorobenzene	22.01	180	1325086	7.151	ppbv		99

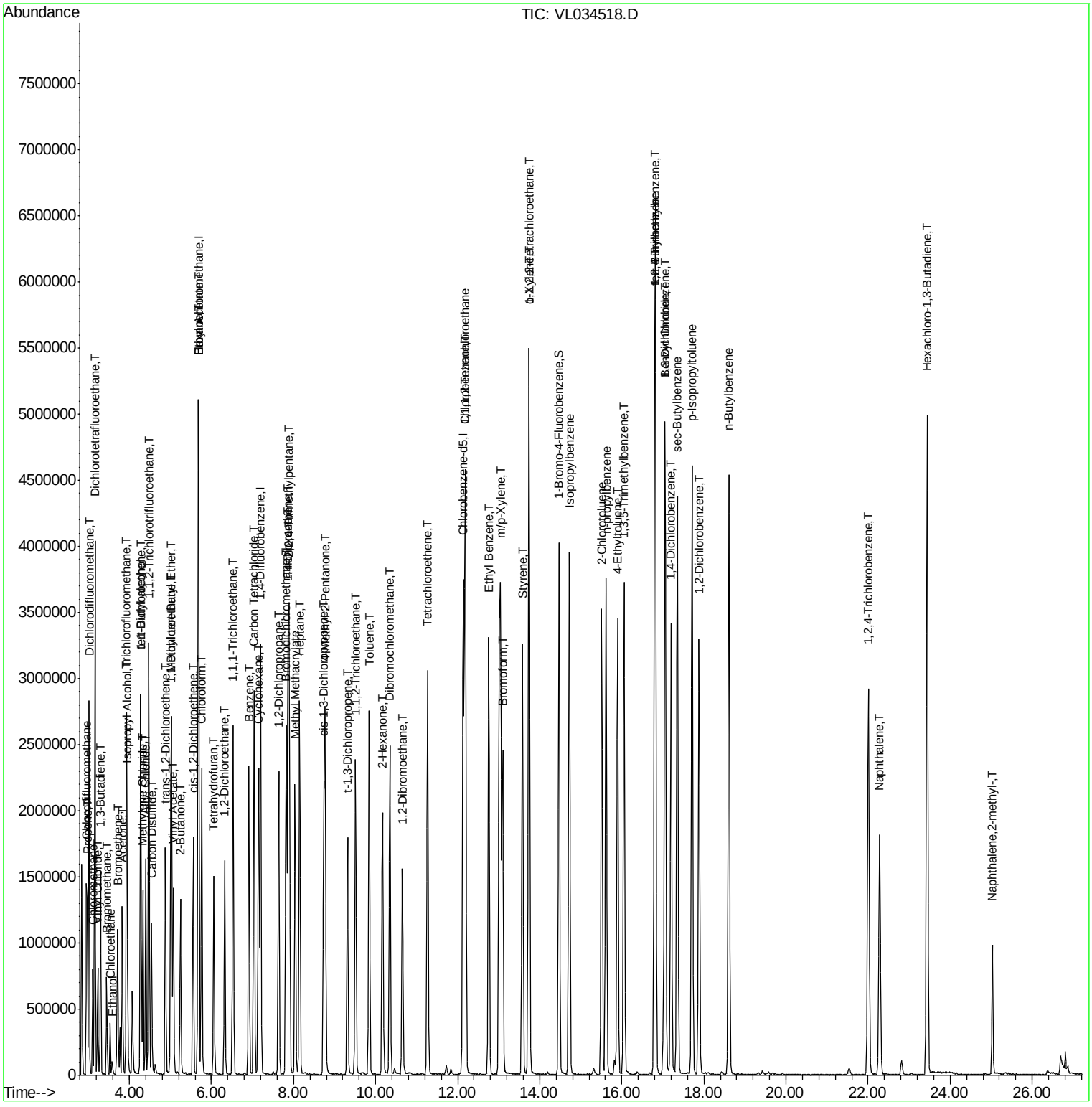
(#) = qualifier out of range (m) = manual integration (+) = signals summed

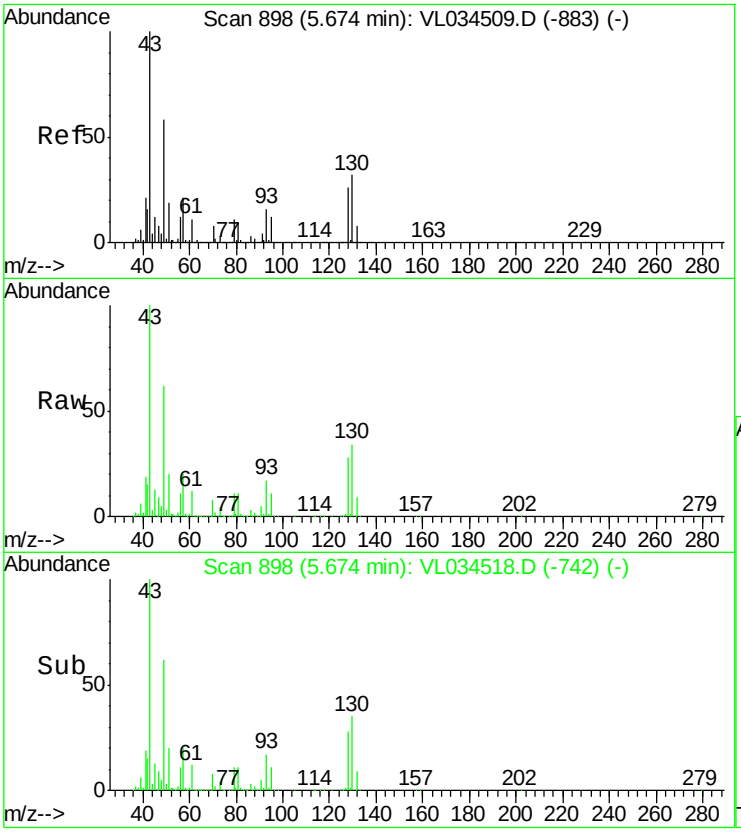
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034518.D
Acq On : 30 Dec 2019 18:31
Operator : SY/AP
Sample : VL1230ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Quant Time: Dec 31 05:00:48 2019
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



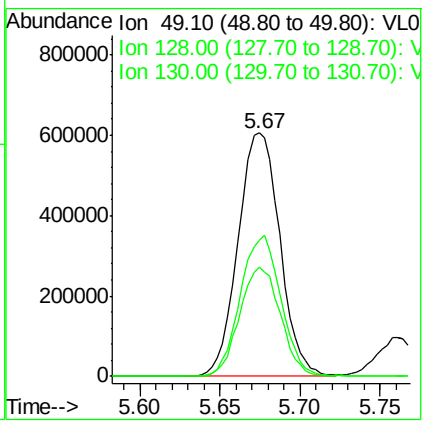


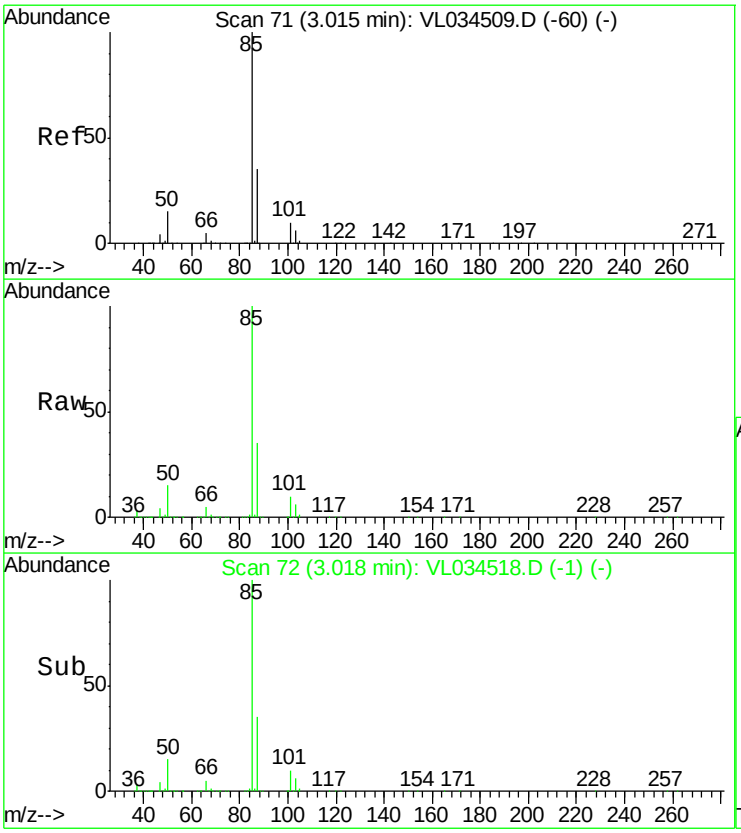
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 49 Resp: 1077702

Ion	Ratio	Lower	Upper
49	100		
128	44.1	22.4	67.2
130	56.4	28.3	85.0

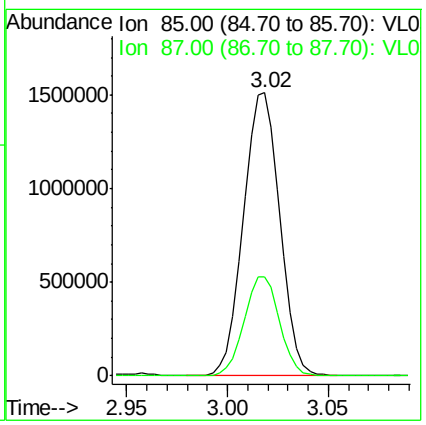


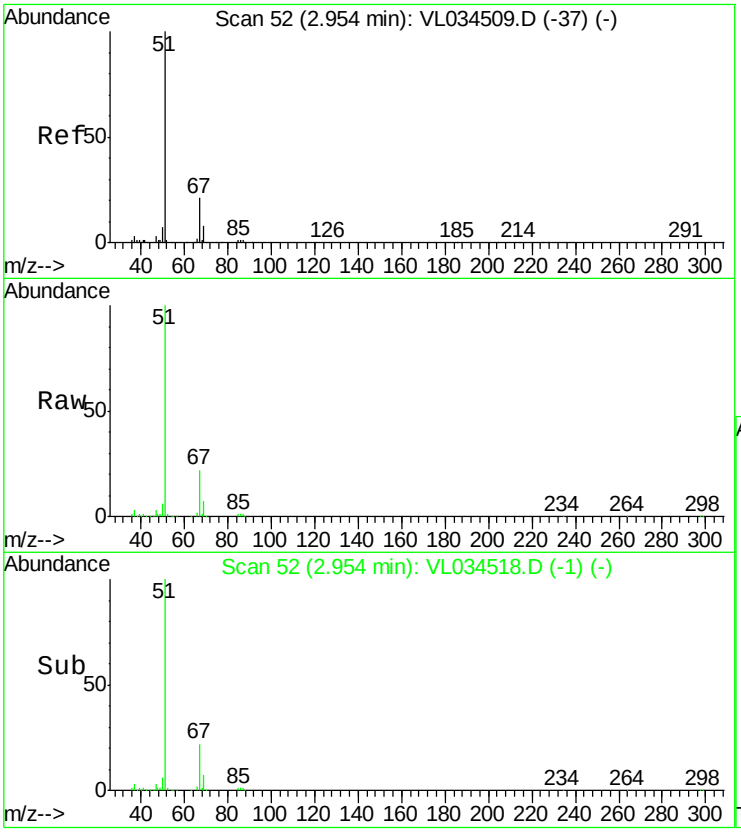


#2
Dichlorodifluoromethane
Concen: 11.291 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 85 Resp: 1919086

Ion	Ratio	Lower	Upper
85	100		
87	34.9	27.9	41.9



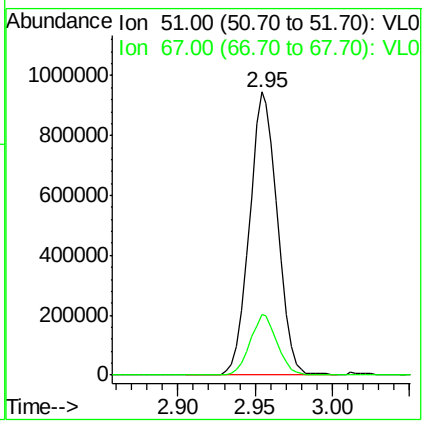


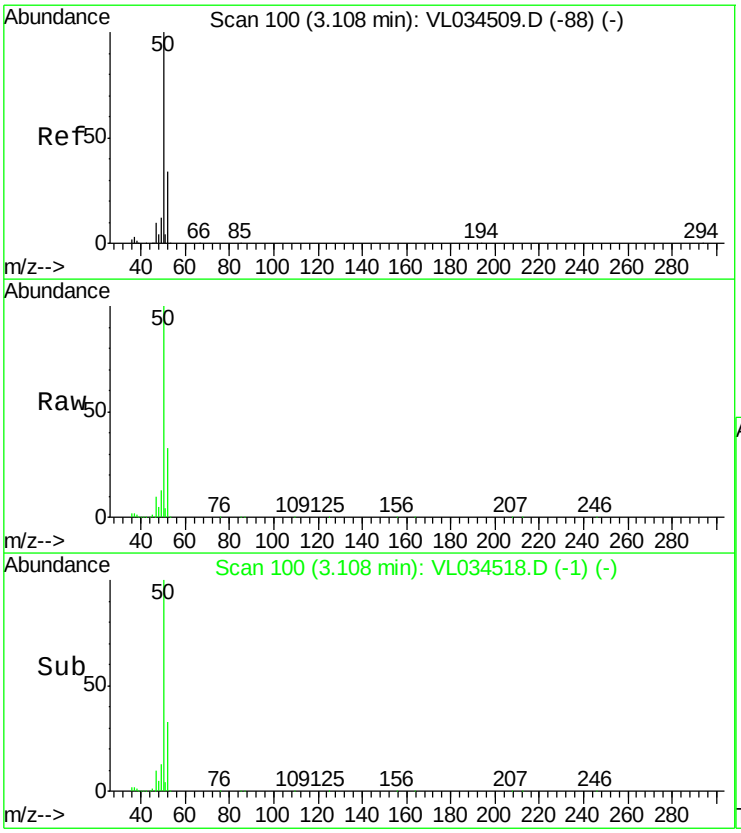
#3
Chlorodifluoromethane
Concen: 9.277 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 51 Resp: 1191240

Ion	Ratio	Lower	Upper
51	100		
67	20.7	16.8	25.2

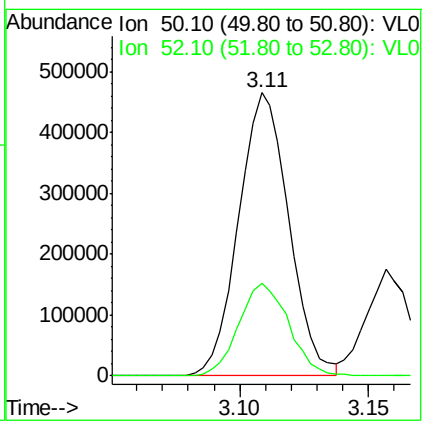


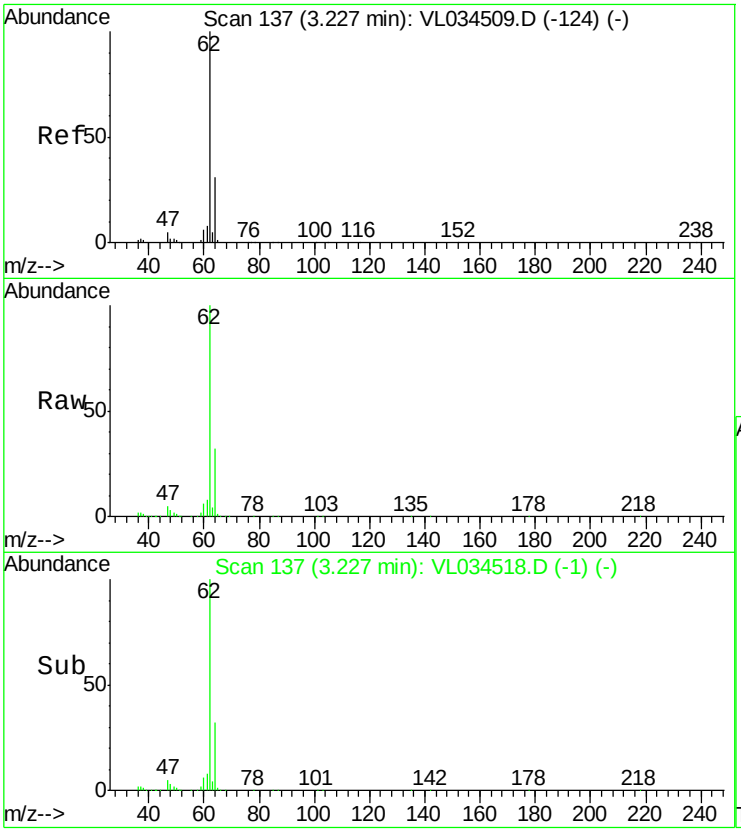


#4
Chloromethane
Concen: 8.314 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 50 Resp: 634122

Ion	Ratio	Lower	Upper
50	100		
52	32.5	27.6	41.4



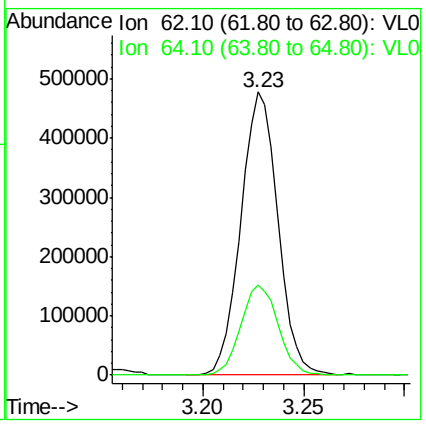


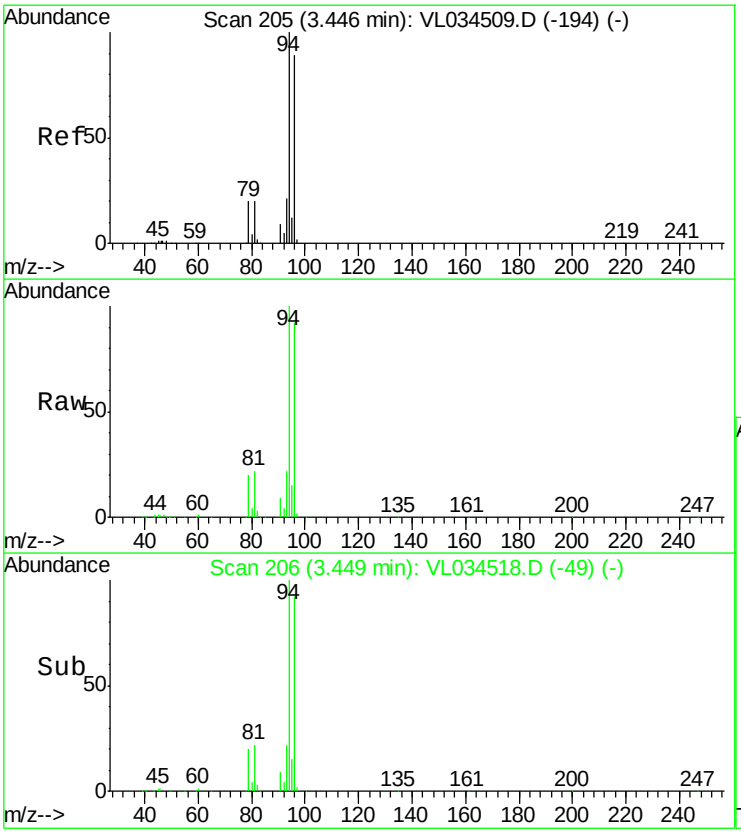
#5
Vinyl Chloride
Concen: 8.258 ppbv
RT: 3.23 min Scan# 137
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 62 Resp: 616760

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.9	37.3

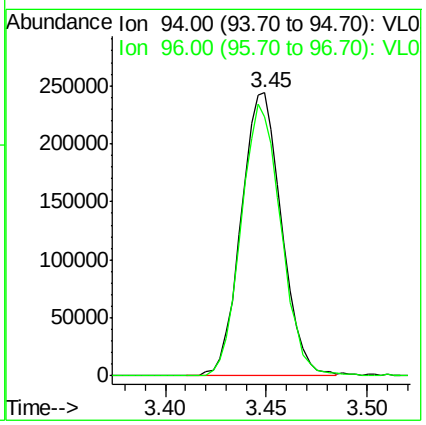


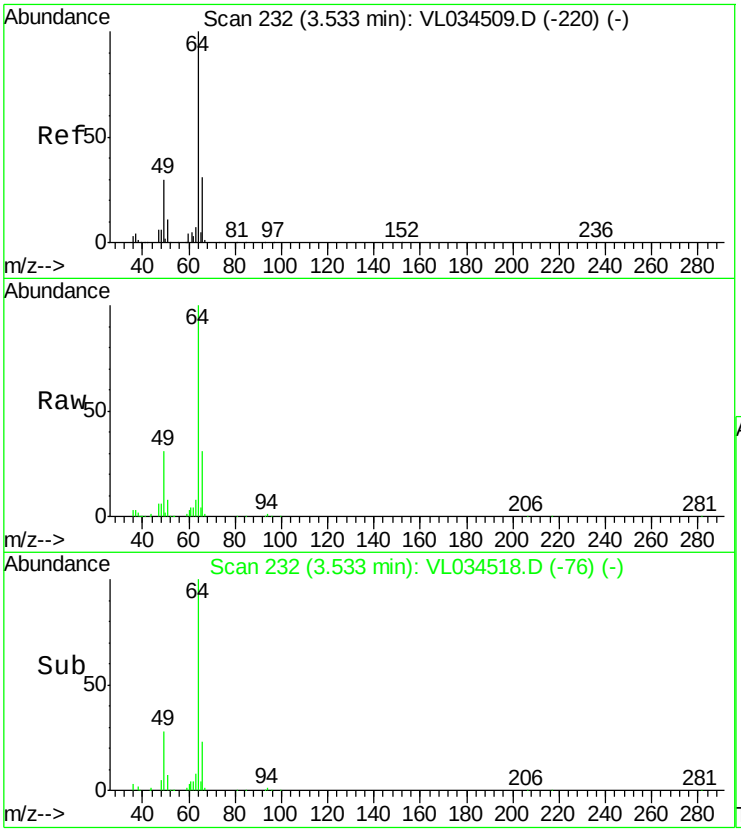


#6
Bromomethane
Concen: 9.220 ppbv
RT: 3.45 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 94 Resp: 342775

Ion	Ratio	Lower	Upper
94	100		
96	91.4	71.2	106.8



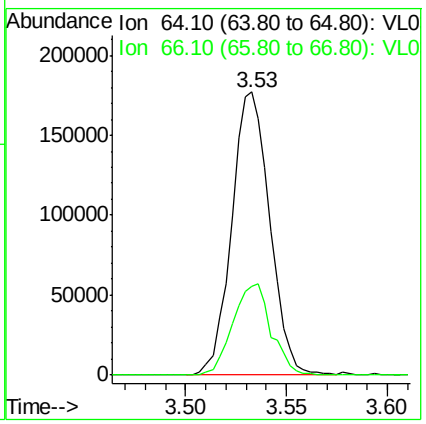


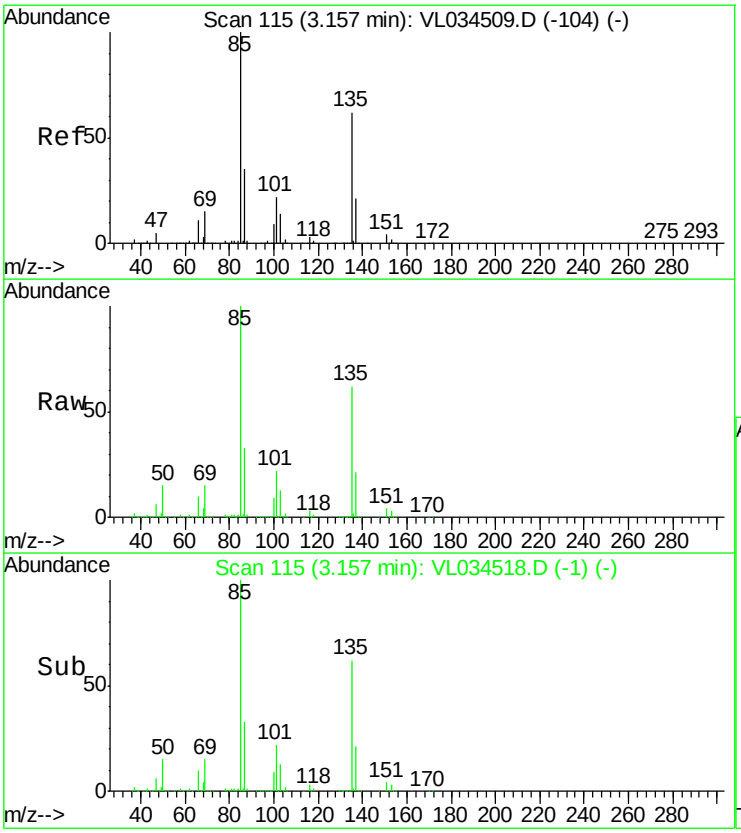
#7
Chloroethane
Concen: 8.996 ppbv
RT: 3.53 min Scan# 232
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 64 Resp: 234137

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.0	37.4

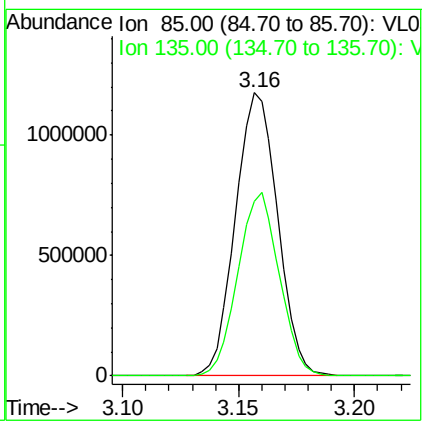


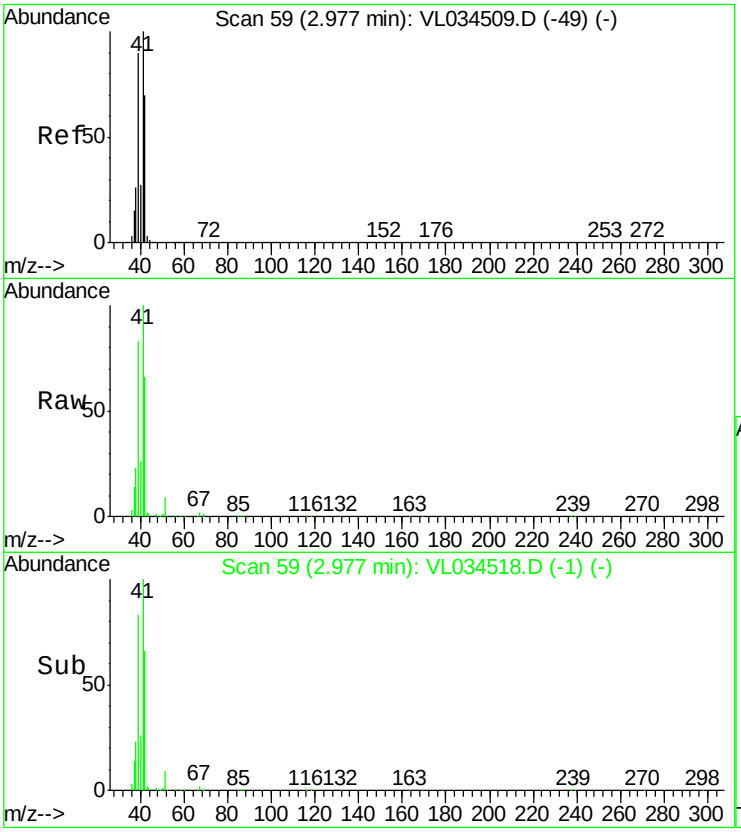


#8
Dichlorotetrafluoroethane
Concen: 8.699 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 85 Resp: 1482824

Ion	Ratio	Lower	Upper
85	100		
135	64.0	51.8	77.8



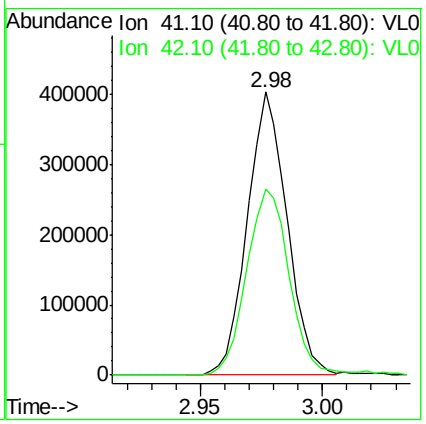


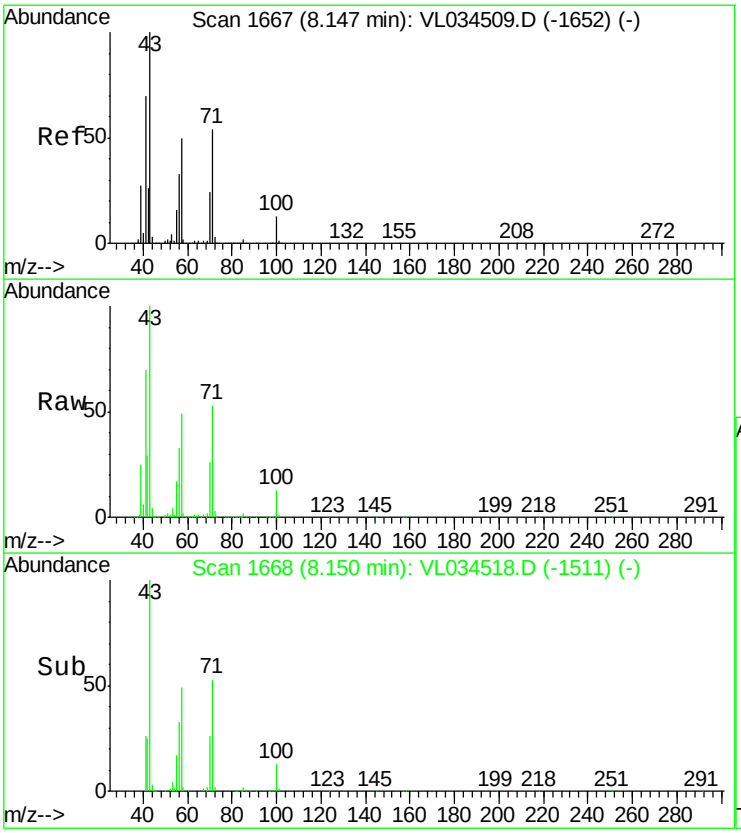
#9
Propene
Concen: 9.169 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 41 Resp: 453909

Ion	Ratio	Lower	Upper
41	100		
42	71.5	55.8	83.6

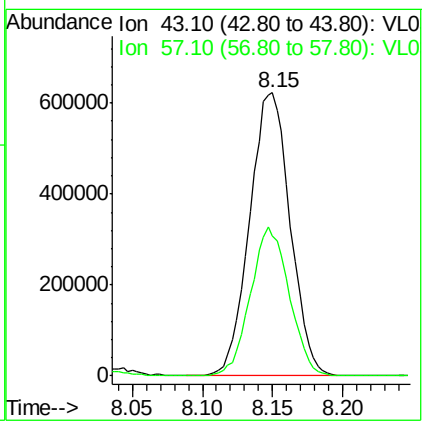


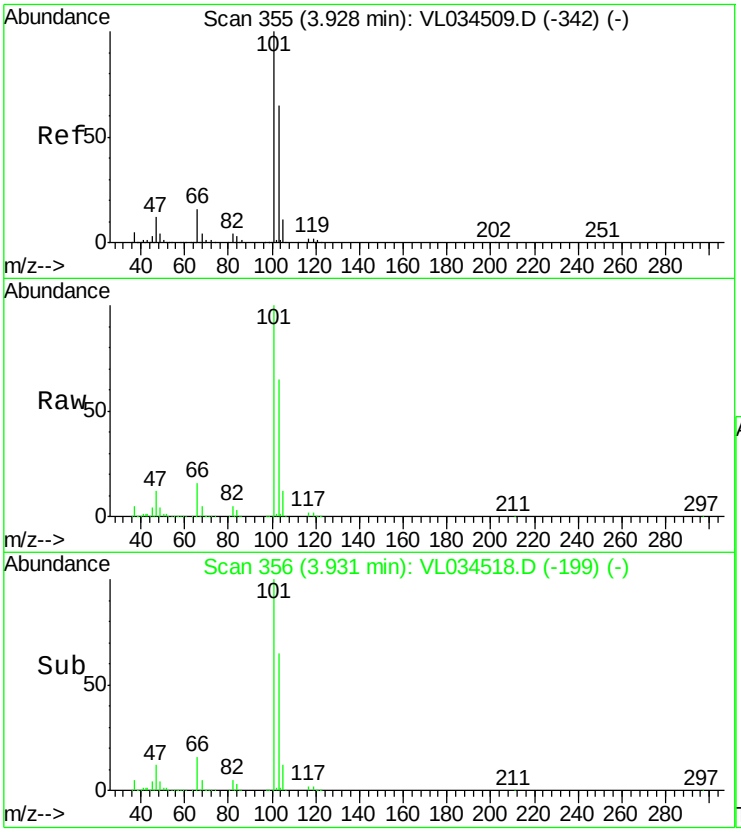


#10
Heptane
Concen: 9.744 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 43 Resp: 1245720

Ion	Ratio	Lower	Upper
43	100		
57	50.8	41.0	61.6



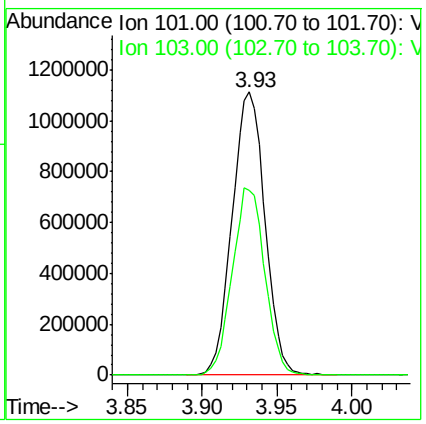


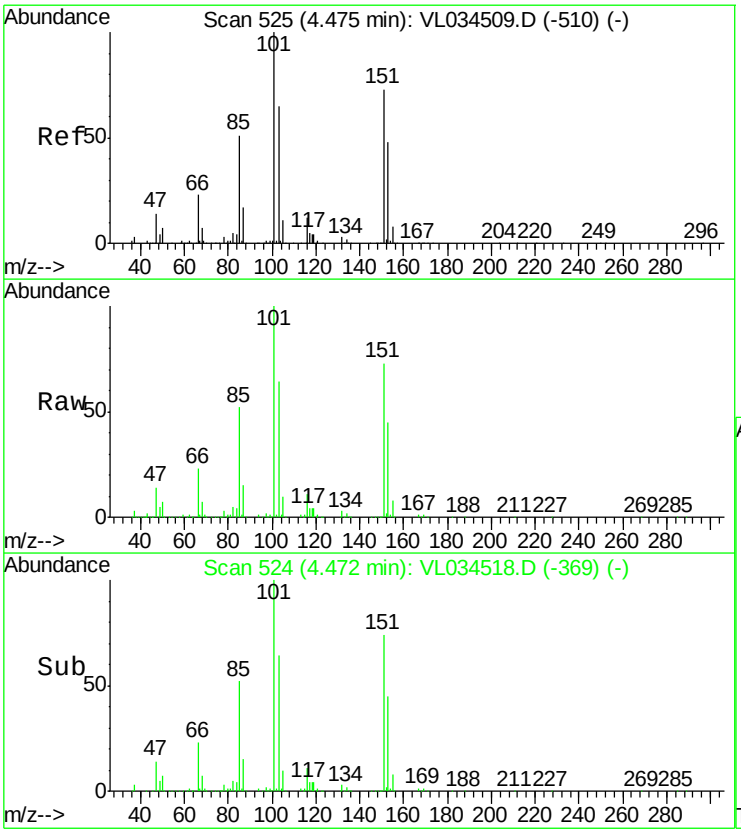
#11
Trichlorofluoromethane
Concen: 8.658 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:101 Resp: 1702842

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

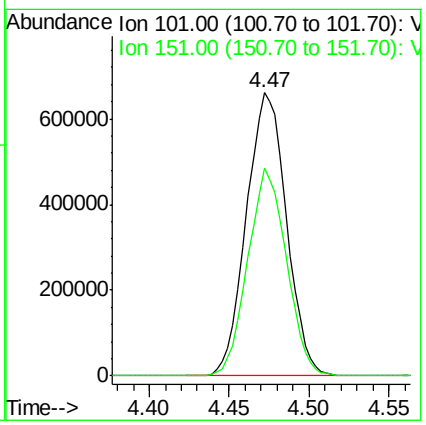


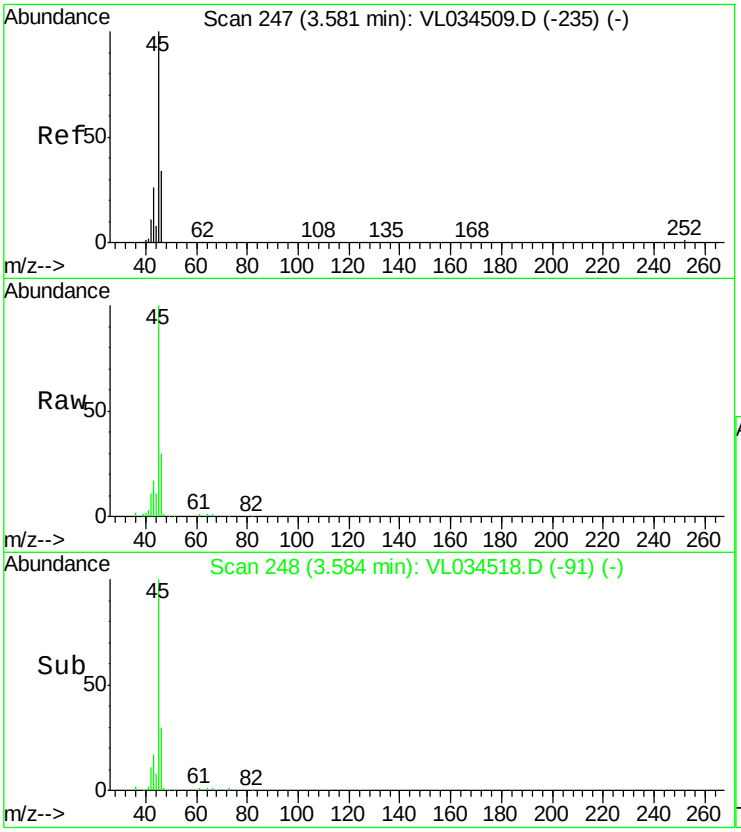


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.065 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:101 Resp: 1134005

Ion	Ratio	Lower	Upper
101	100		
151	70.8	57.8	86.6



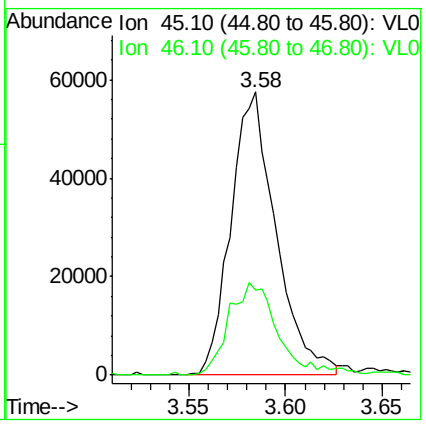


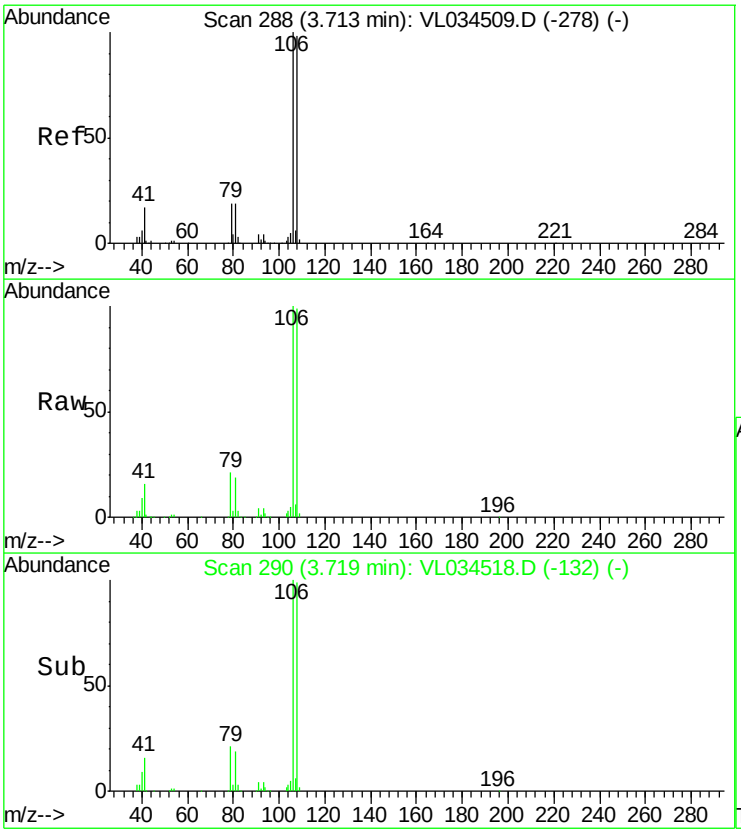
#13
Ethanol
Concen: 6.780 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 45 Resp: 93126

Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.9	59.7

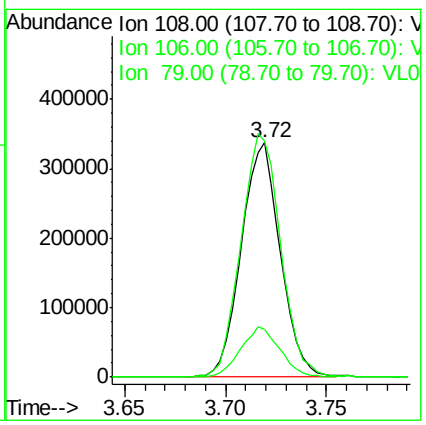


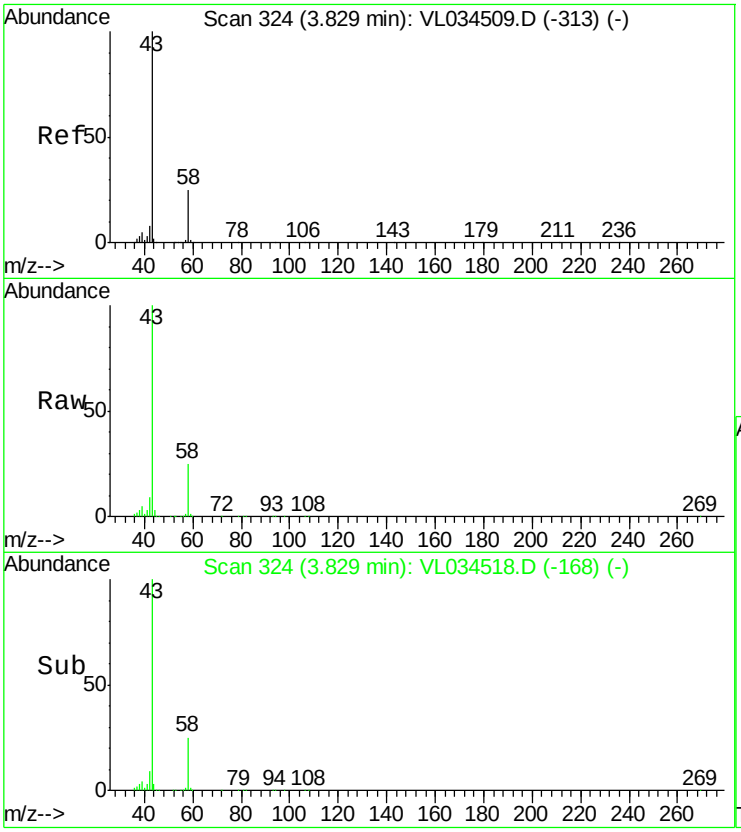


#14
Bromoethene
Concen: 9.025 ppbv
RT: 3.72 min Scan# 290
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:108 Resp: 456630

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.2	127.8
79	22.2	17.4	26.2



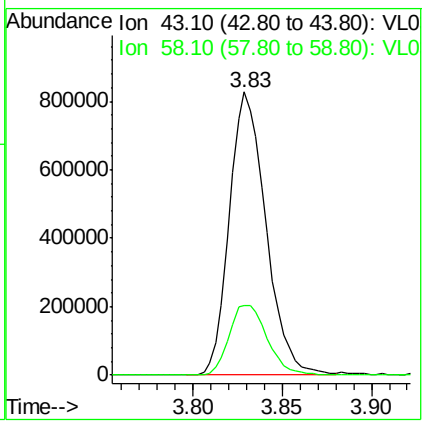


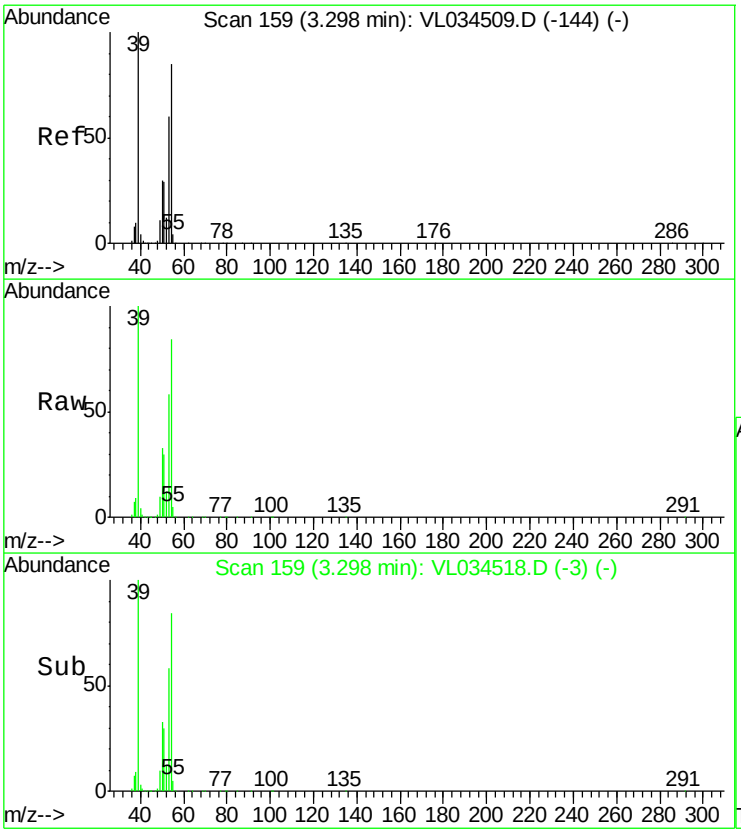
#15
Acetone
Concen: 7.527 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 43 Resp: 1183821

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.4	30.6

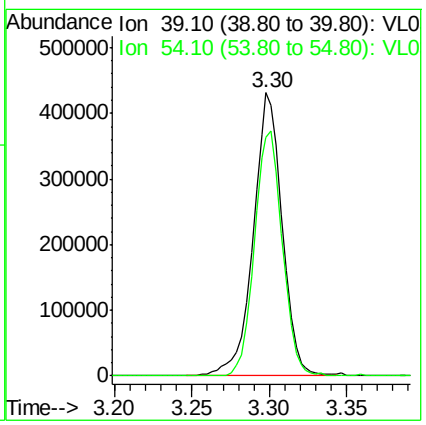


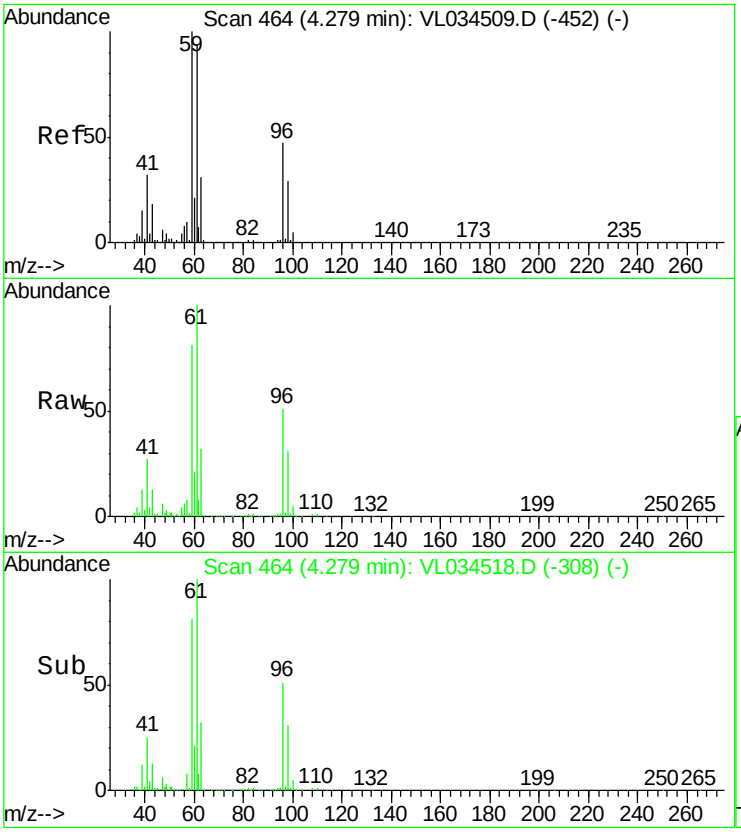


#16
1,3-Butadiene
Concen: 9.291 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 39 Resp: 561995

Ion	Ratio	Lower	Upper
39	100		
54	83.7	66.2	99.2



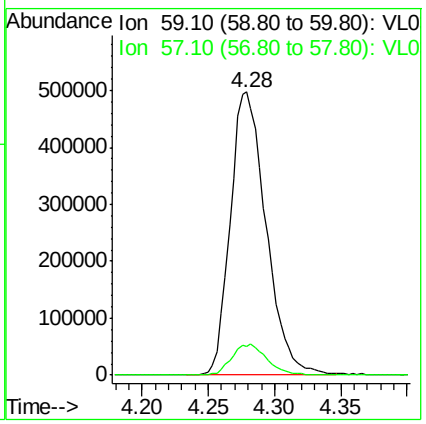


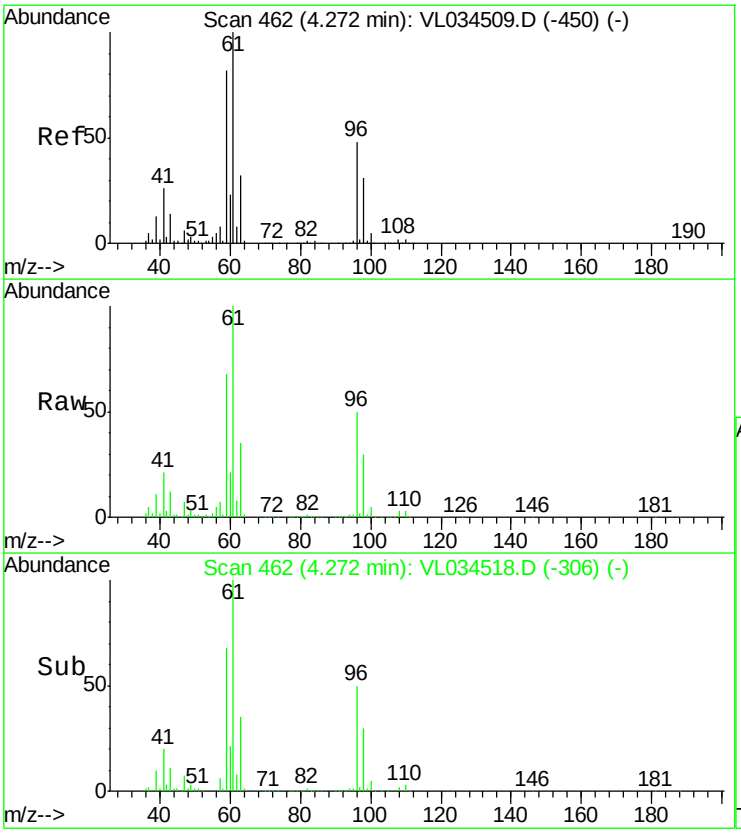
#17
tert-Butyl alcohol
Concen: 7.399 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 59 Resp: 931837

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

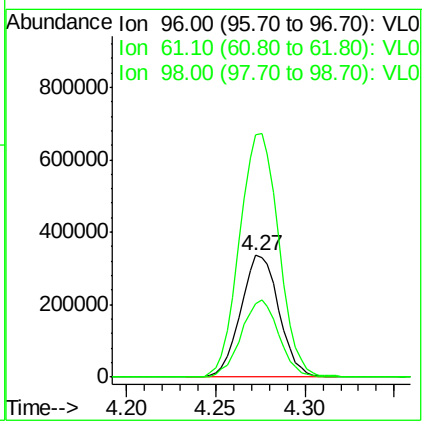


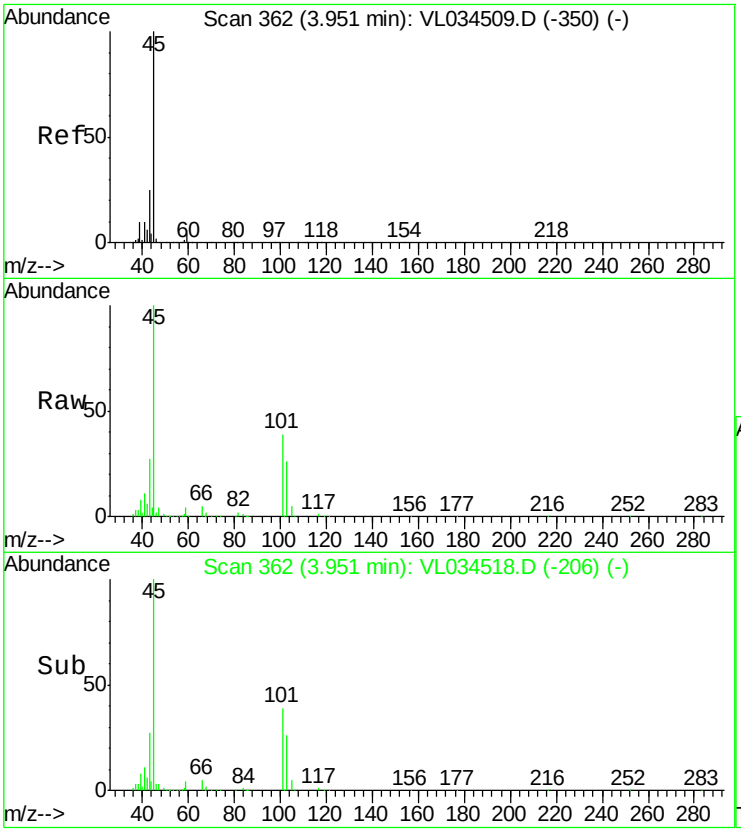


#18
1,1-Dichloroethene
Concen: 9.225 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 96 Resp: 502714

Ion	Ratio	Lower	Upper
96	100		
61	198.8	165.9	248.9
98	60.6	51.9	77.9



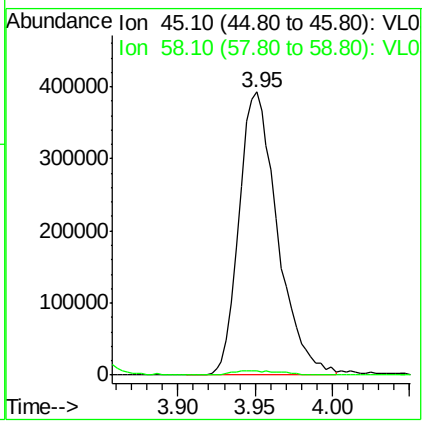


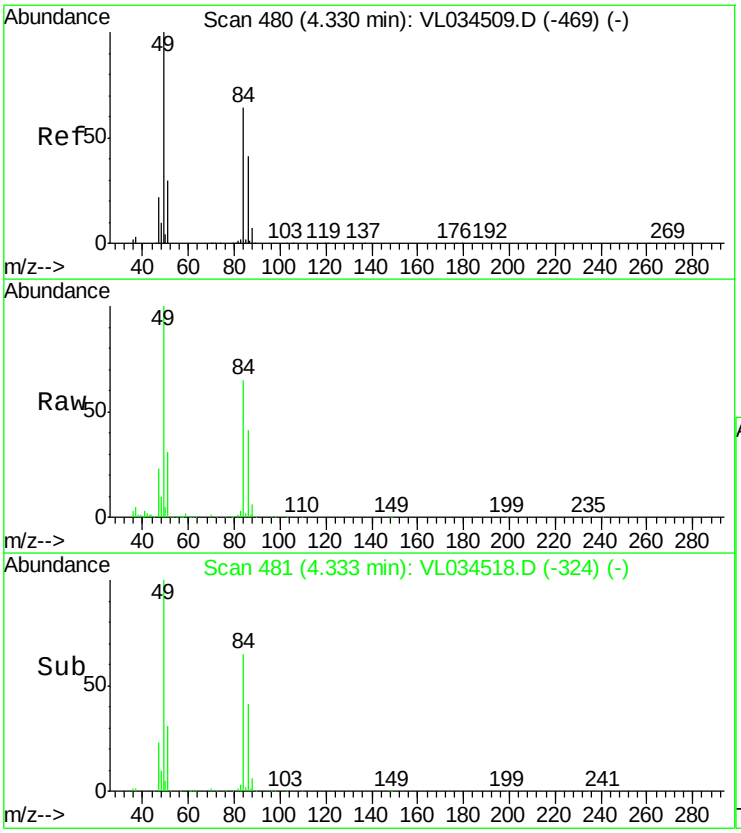
#19
Isopropyl Alcohol
Concen: 6.688 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 45 Resp: 680908

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.4	2.0#

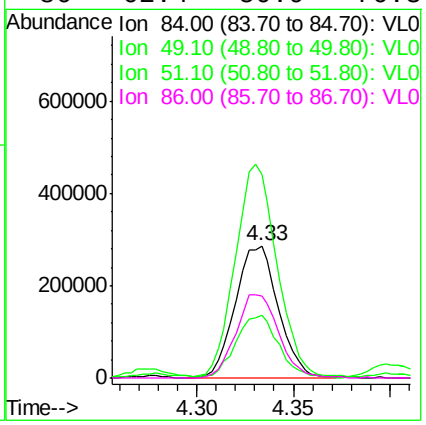


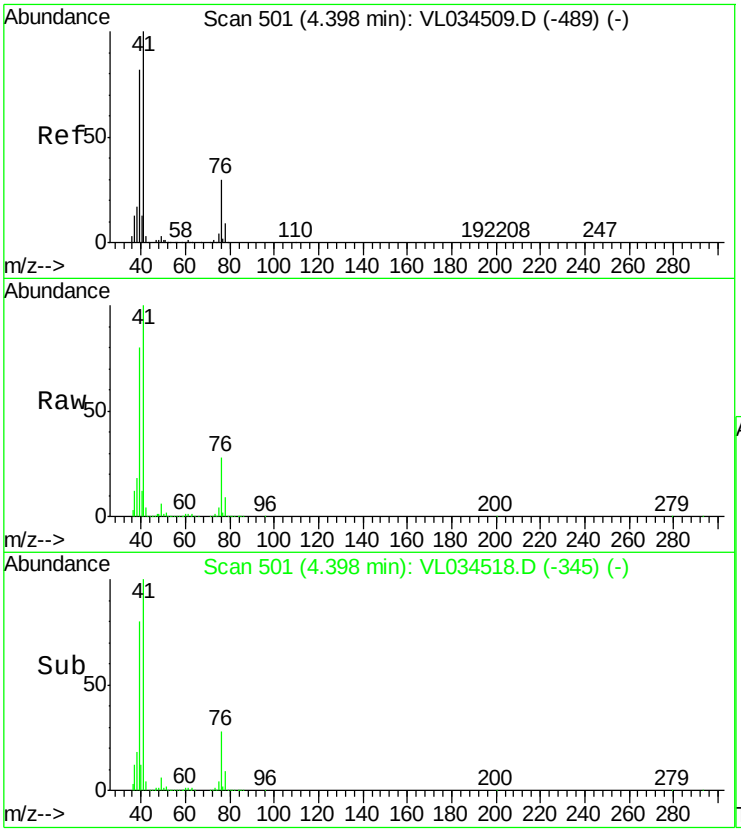


#20
Methylene Chloride
Concen: 7.148 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 84 Resp: 442361

Ion	Ratio	Lower	Upper
84	100		
49	152.5	124.4	186.6
51	47.1	37.0	55.6
86	62.4	50.9	76.3



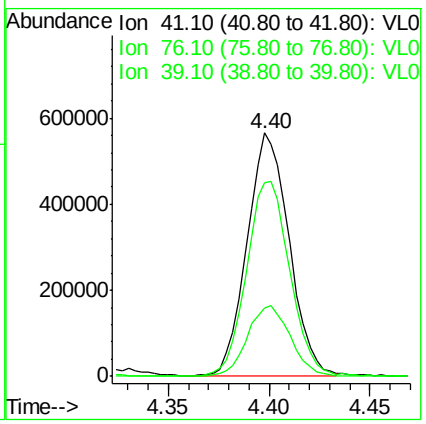


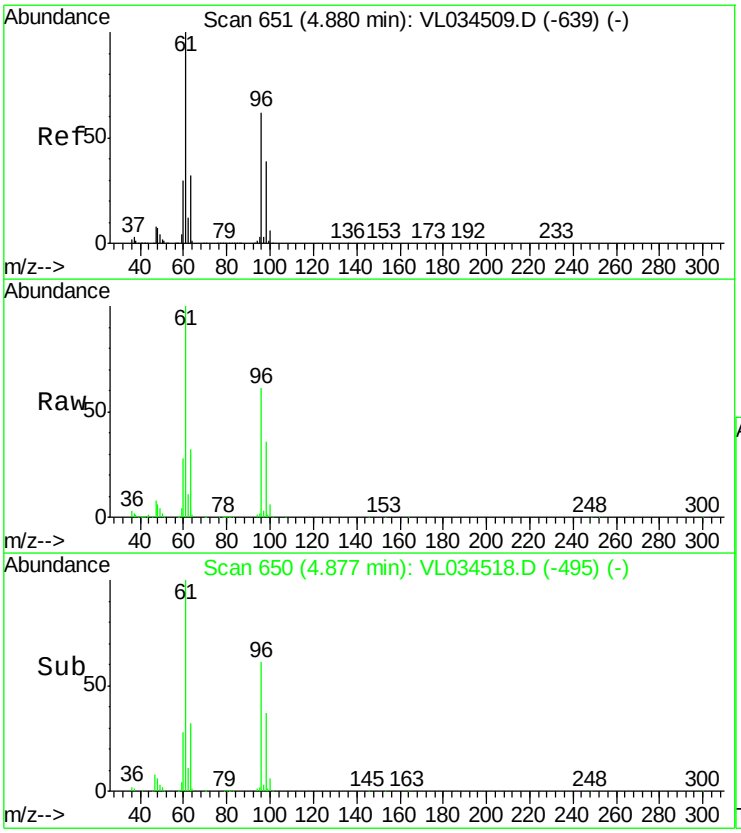
#21
Allyl Chloride
Concen: 9.076 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 41 Resp: 820485

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.2	36.4
39	83.1	65.8	98.6

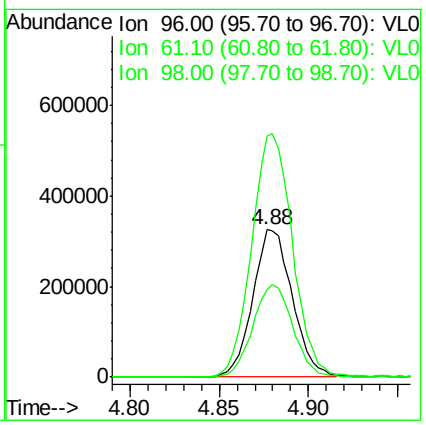


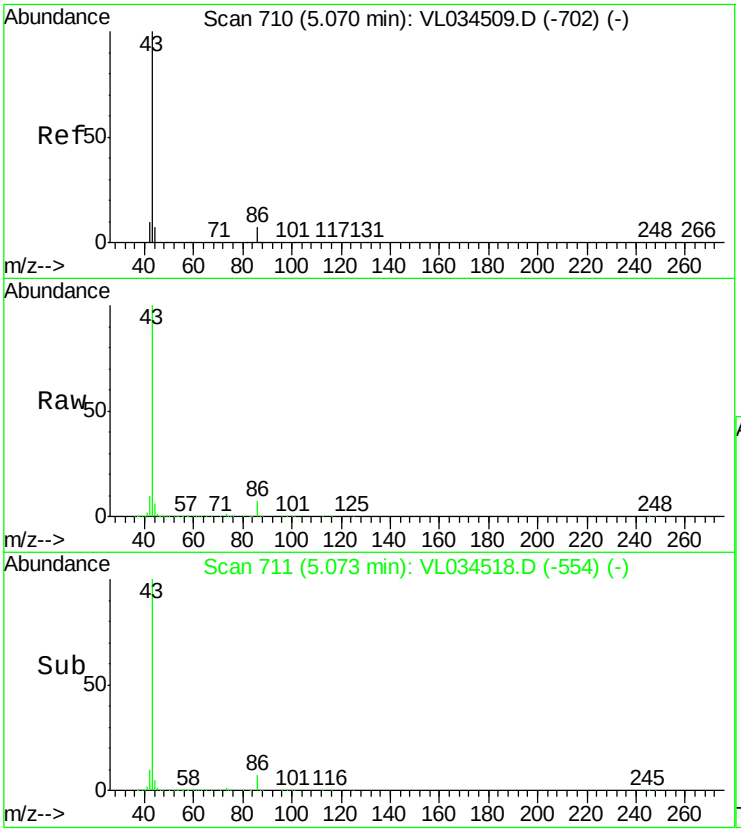


#22
trans-1,2-Dichloroethene
Concen: 9.079 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 96 Resp: 503210

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.4	192.6
98	59.7	50.6	75.8



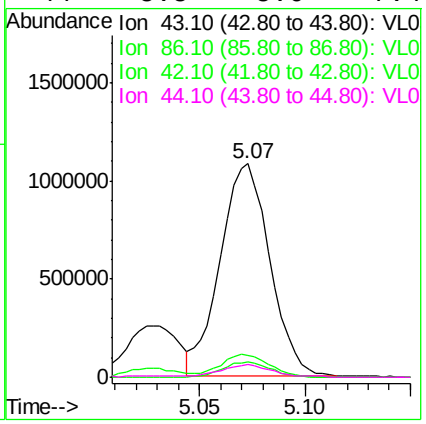


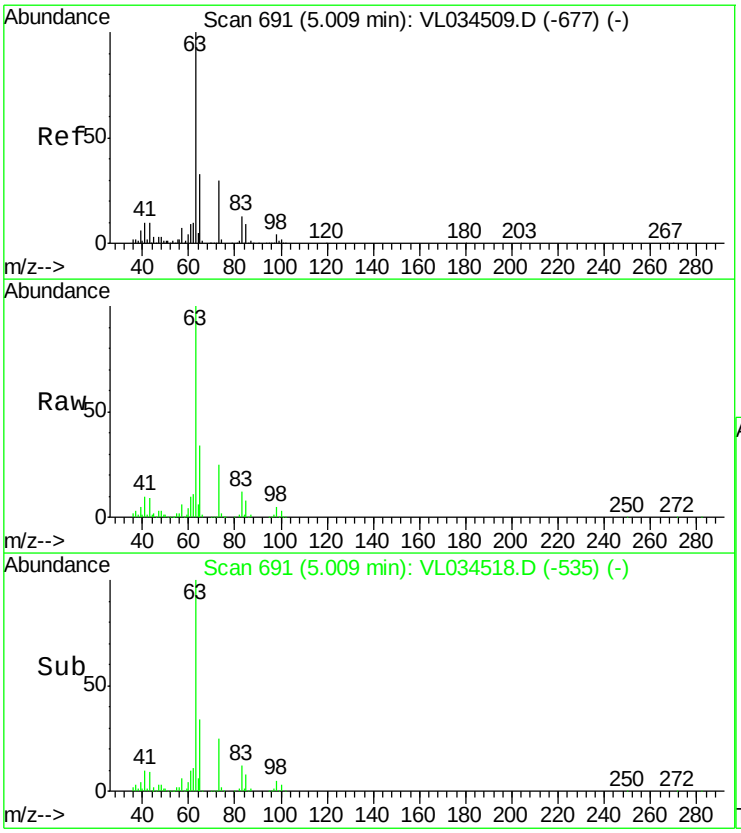
#23
Vinyl Acetate
Concen: 9.714 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 43 Resp: 1763910

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.4	8.2
42	10.3	8.9	13.3
44	5.5	5.0	7.4

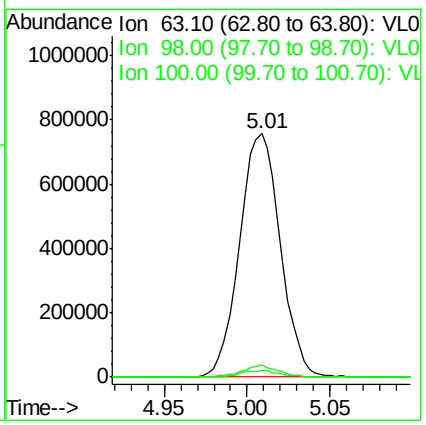


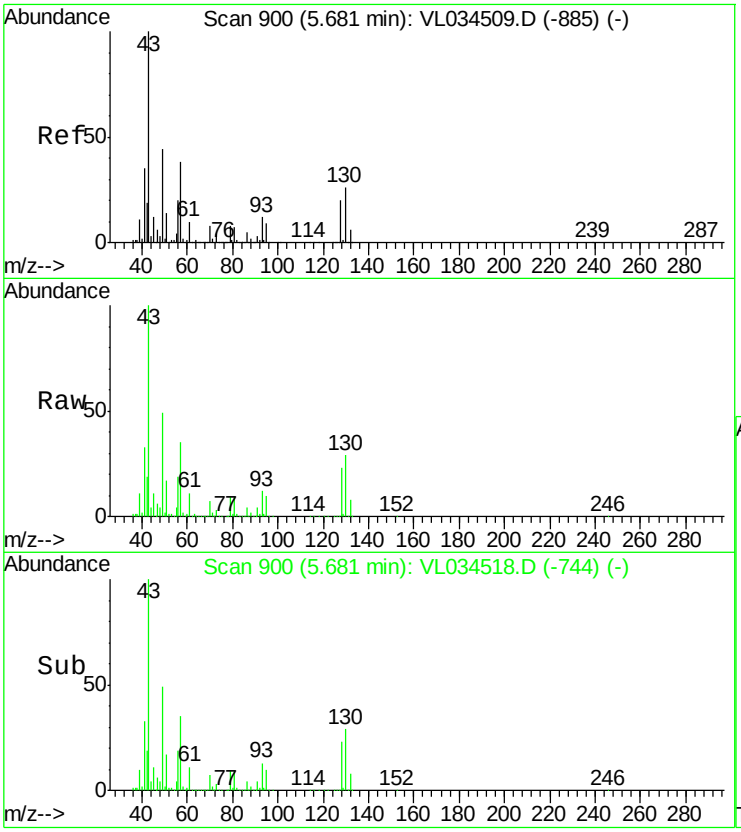


#24
1,1-Dichloroethane
Concen: 8.839 ppbv
RT: 5.01 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 63 Resp: 1289468

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.3
100	2.9	1.1	3.3



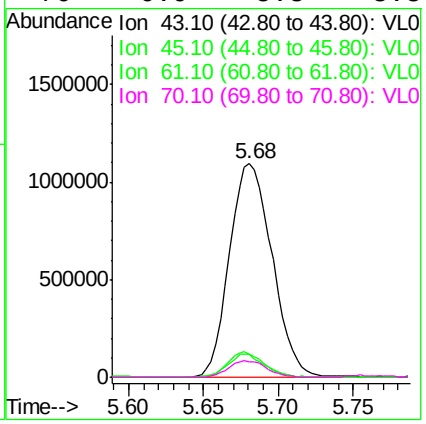


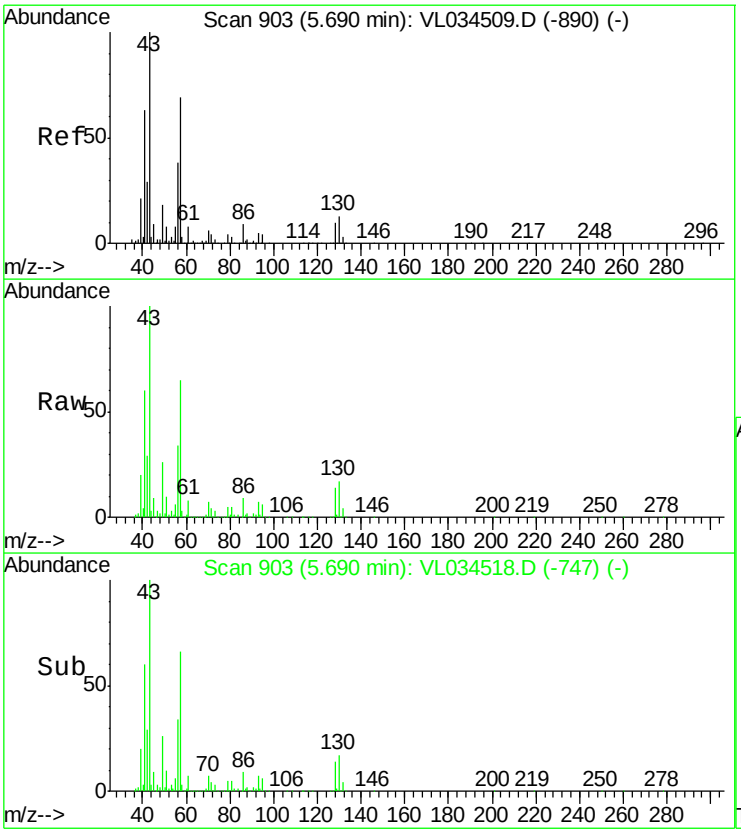
#25
Ethyl Acetate
Concen: 8.825 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 43 Resp: 2167685

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.3	7.8	11.6
70	6.9	5.8	8.8

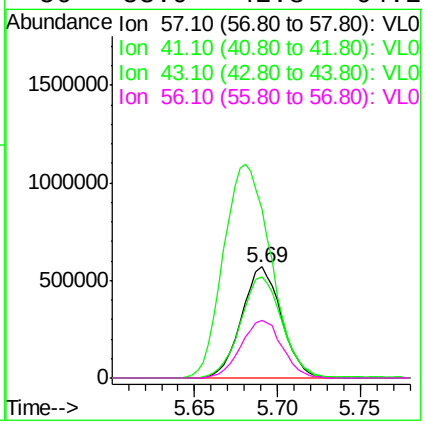


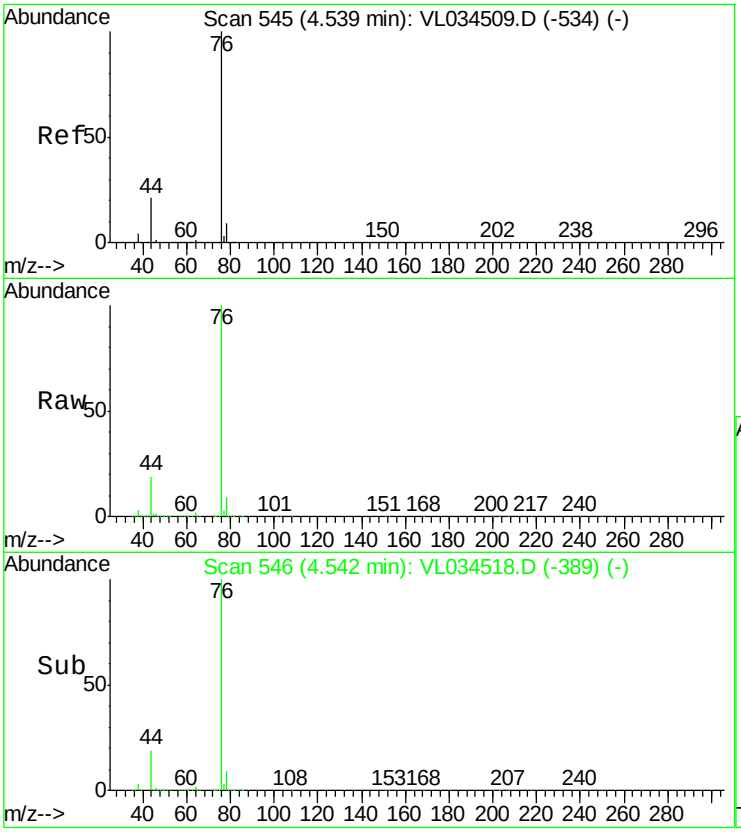


#26
Hexane
Concen: 9.191 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 57 Resp: 951190

Ion	Ratio	Lower	Upper
57	100		
41	96.6	75.3	112.9
43	229.2	189.4	284.2
56	53.9	42.8	64.2



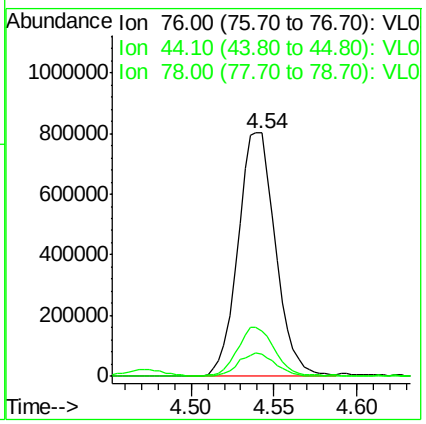


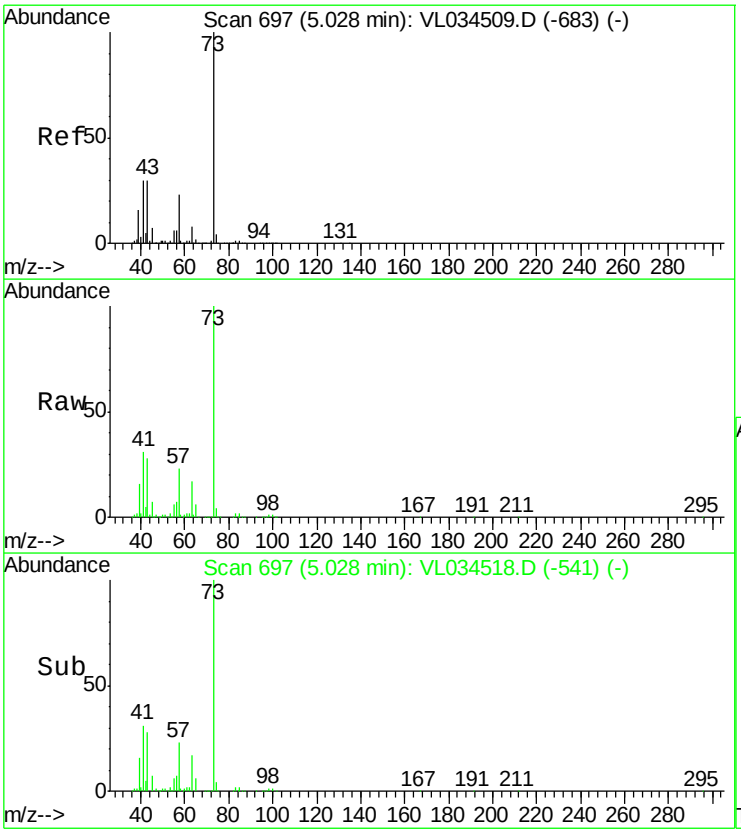
#27
Carbon Disulfide
Concen: 9.642 ppbv
RT: 4.54 min Scan# 546
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 76 Resp: 1261409

Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.6	25.0
78	9.3	7.4	11.0

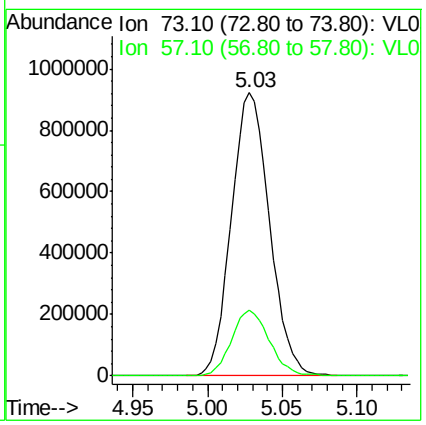


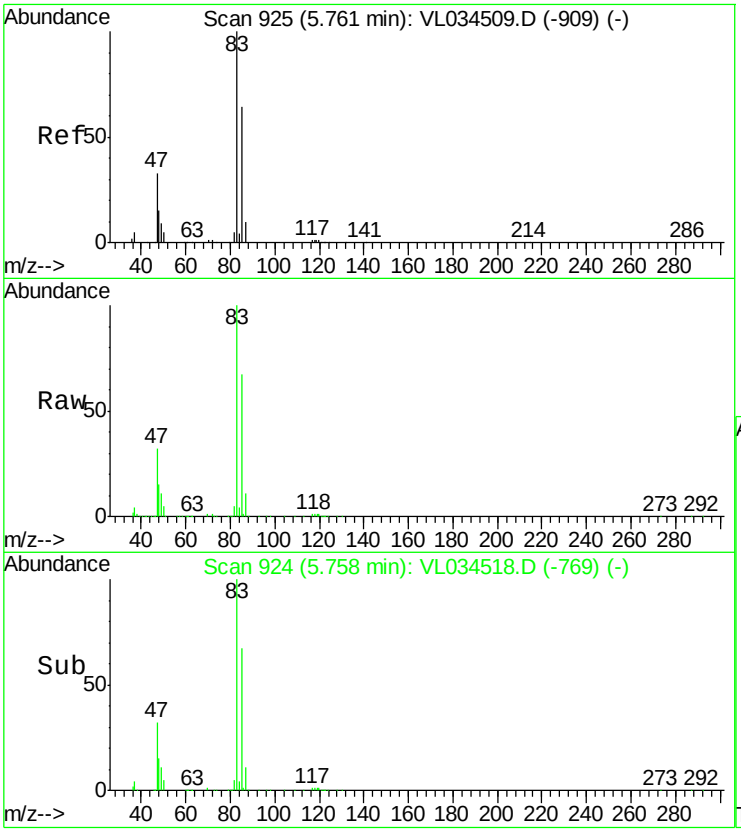


#28
Methyl tert-Butyl Ether
Concen: 9.479 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 73 Resp: 1638455

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.2	27.2



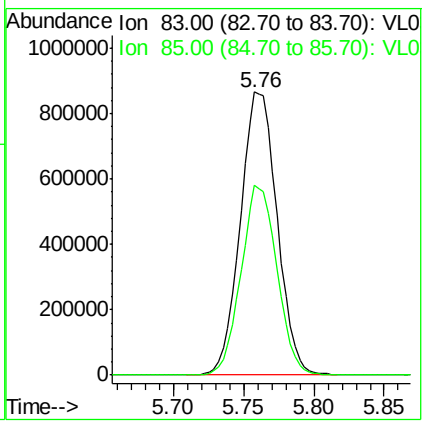


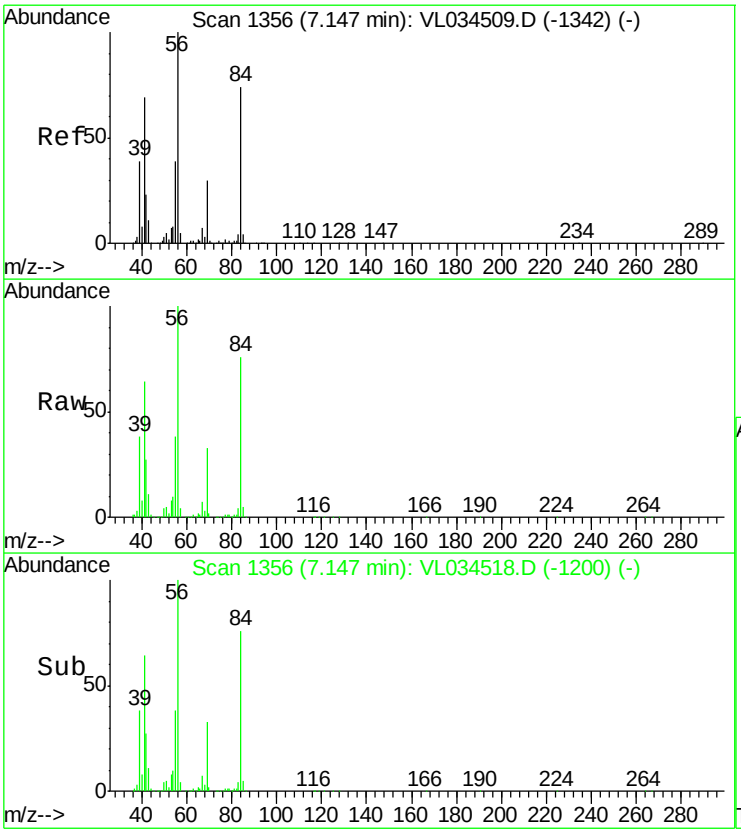
#29
Chloroform
Concen: 8.855 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 83 Resp: 1585660

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.0	76.6

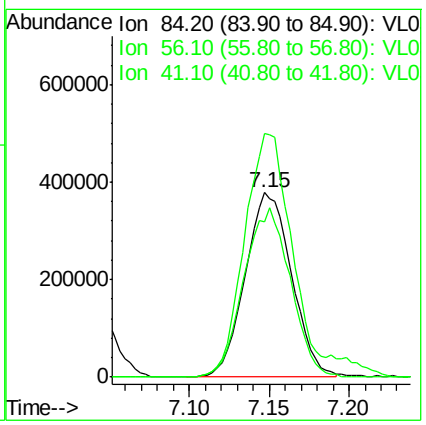


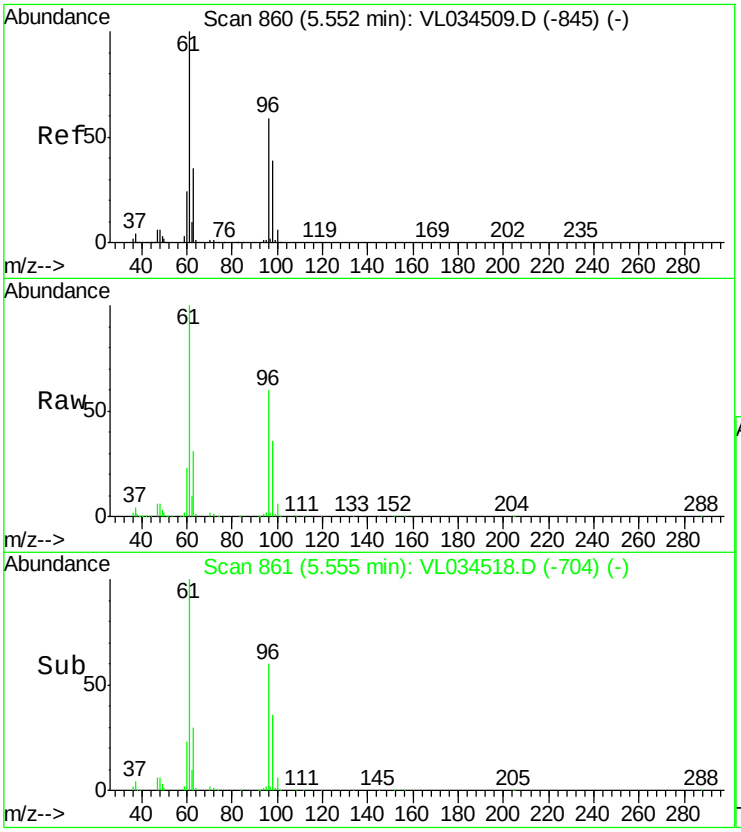


#30
Cyclohexane
Concen: 9.761 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 84 Resp: 750928

Ion	Ratio	Lower	Upper
84	100		
56	141.6	112.7	169.1
41	92.3	73.0	109.4



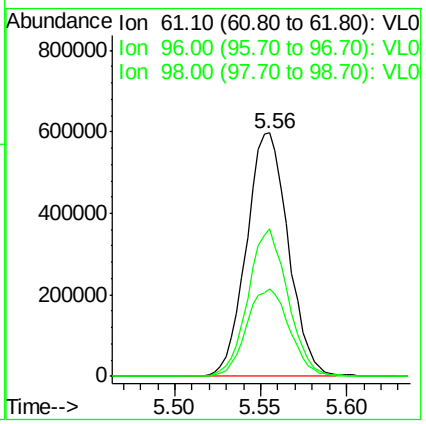


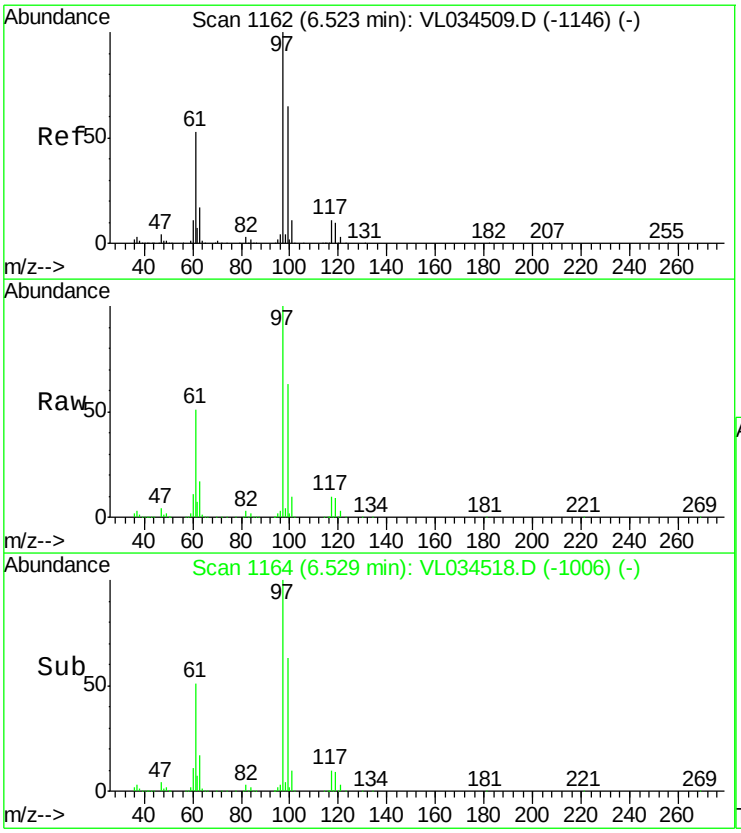
#31
cis-1,2-Dichloroethene
Concen: 9.556 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 61 Resp: 1007810

Ion	Ratio	Lower	Upper
61	100		
96	60.4	47.1	70.7
98	36.0	31.0	46.6

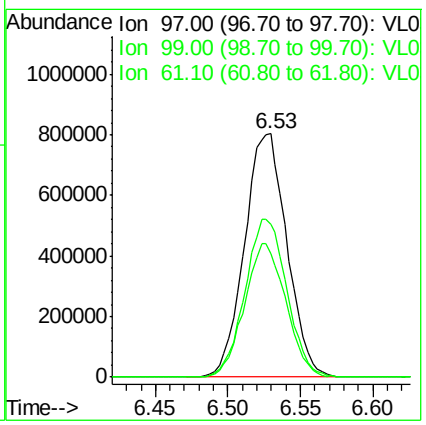


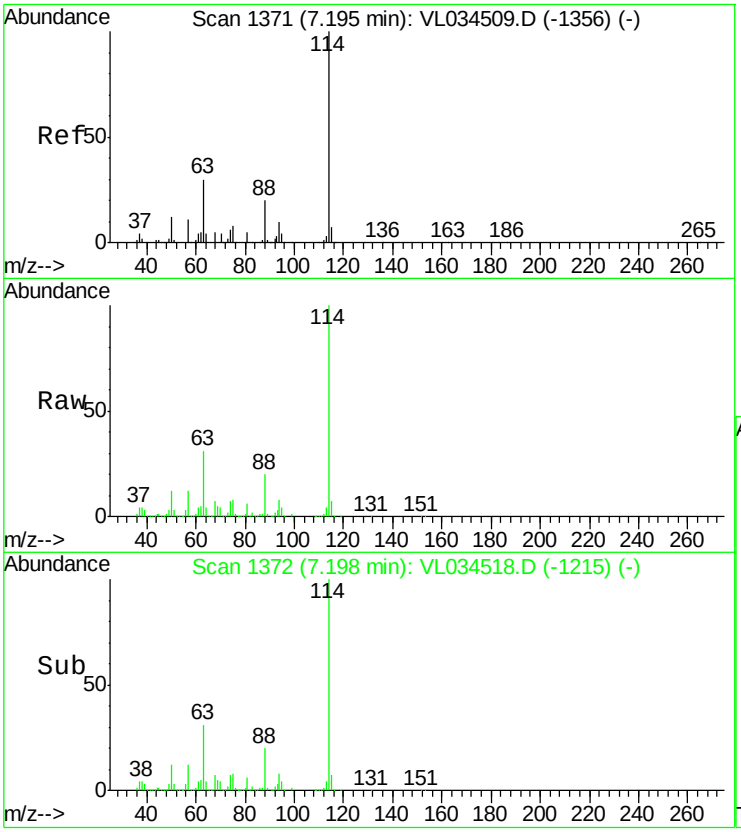


#32
1,1,1-Trichloroethane
Concen: 8.789 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 97 Resp: 1633706

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	53.7	42.9	64.3



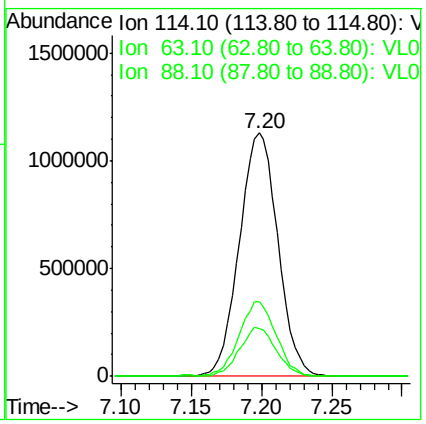


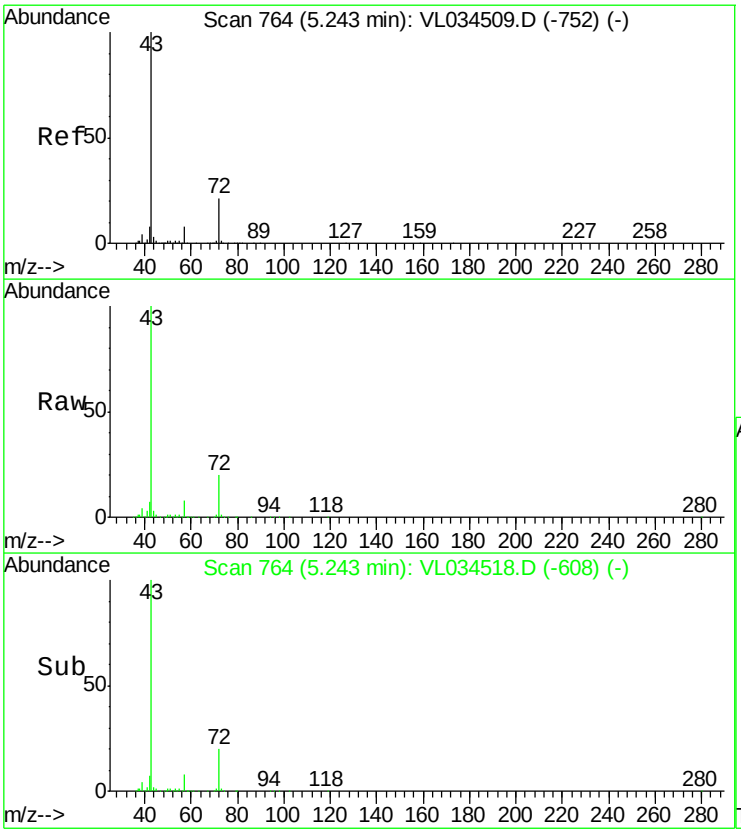
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:114 Resp: 2158786

Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.3	15.7	23.5

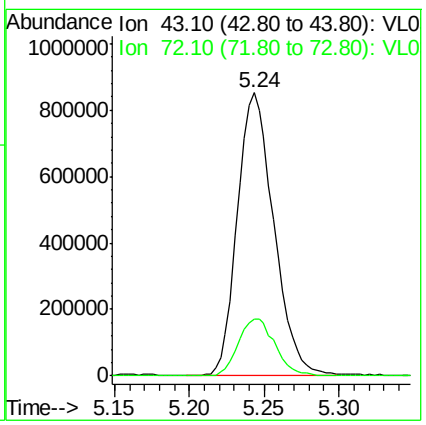


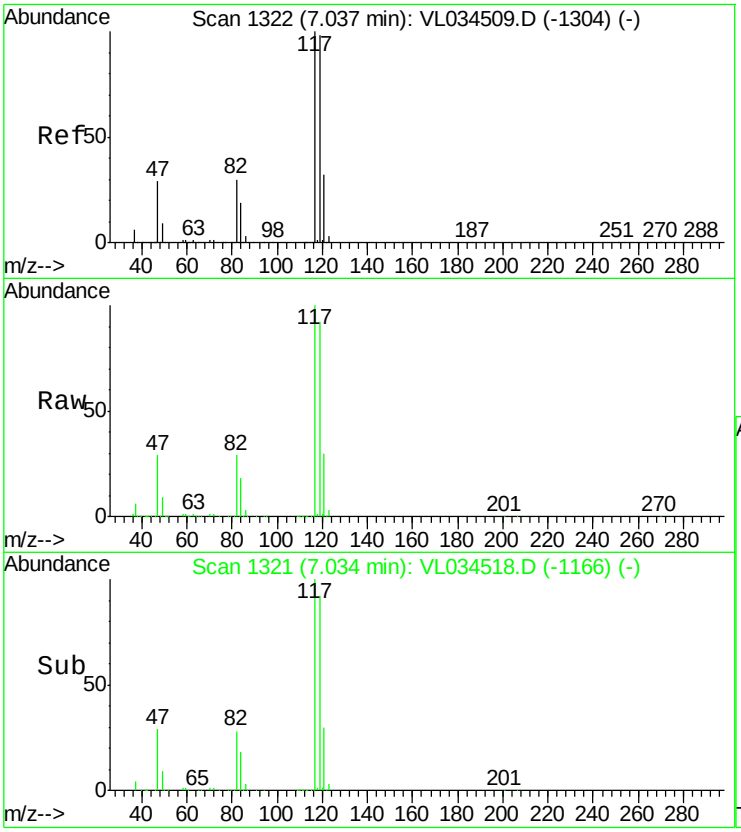


#34
2-Butanone
Concen: 9.365 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 43 Resp: 1444790

Ion	Ratio	Lower	Upper
43	100		
72	20.5	17.0	25.4



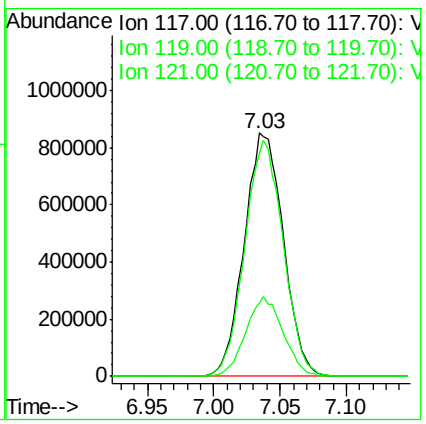


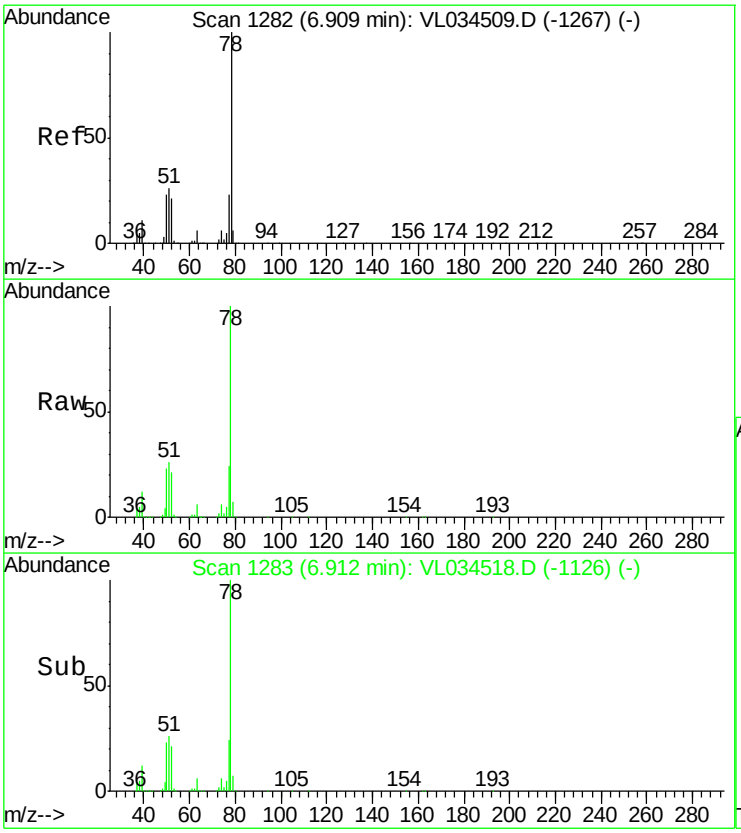
#35
Carbon Tetrachloride
Concen: 8.928 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:117 Resp: 1747895

Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.7	118.1
121	29.9	25.9	38.9

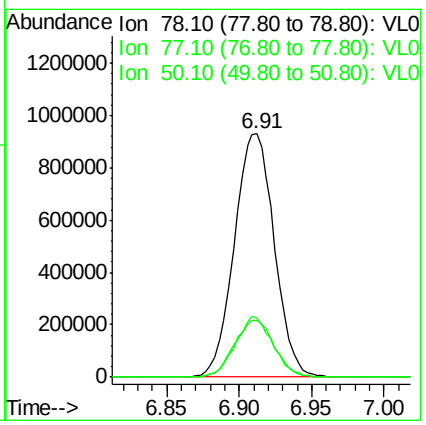


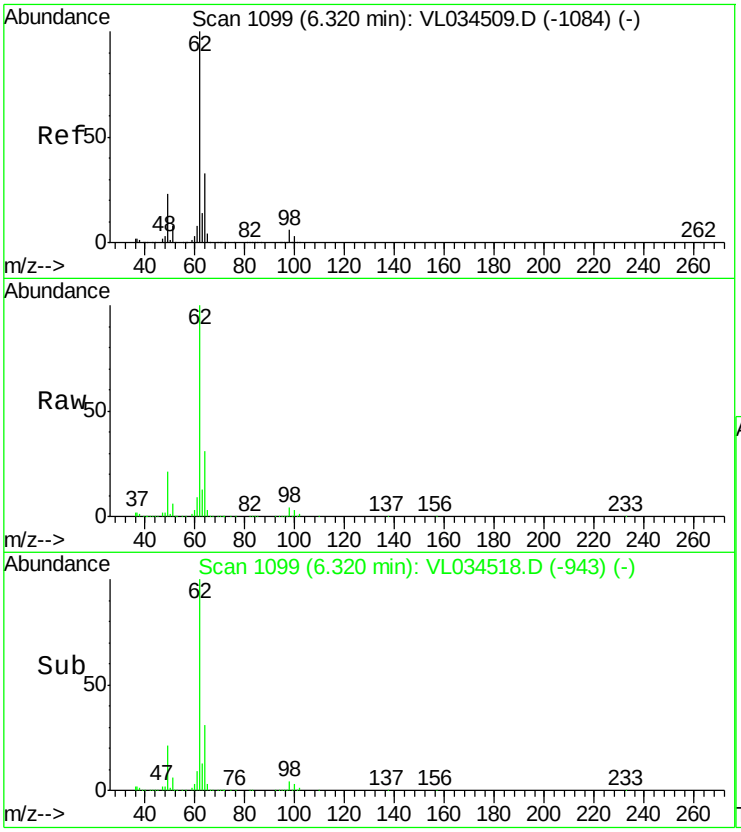


#36
Benzene
Concen: 9.428 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 78 Resp: 1774155

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0
50	23.2	18.8	28.2



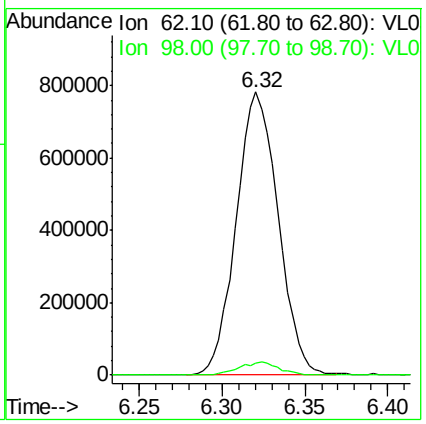


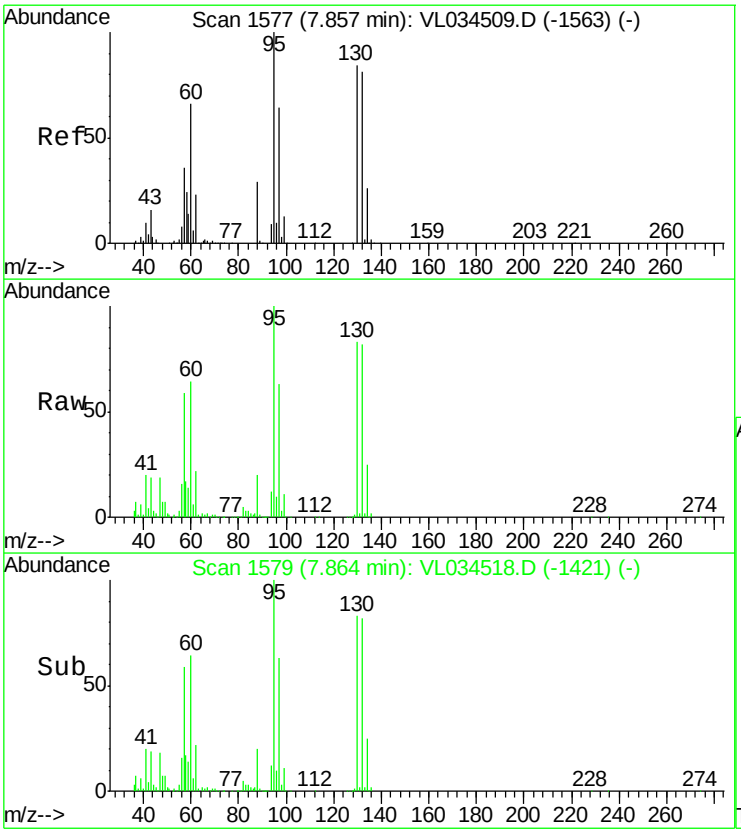
#37
1,2-Dichloroethane
Concen: 8.965 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 62 Resp: 1369951

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.6

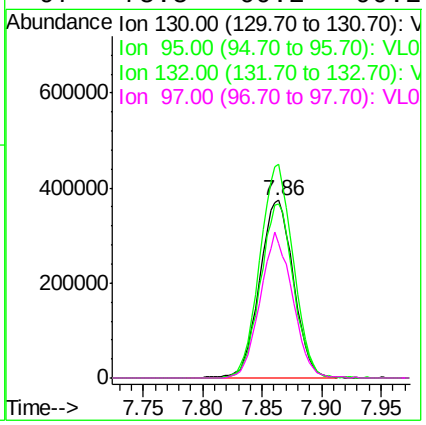


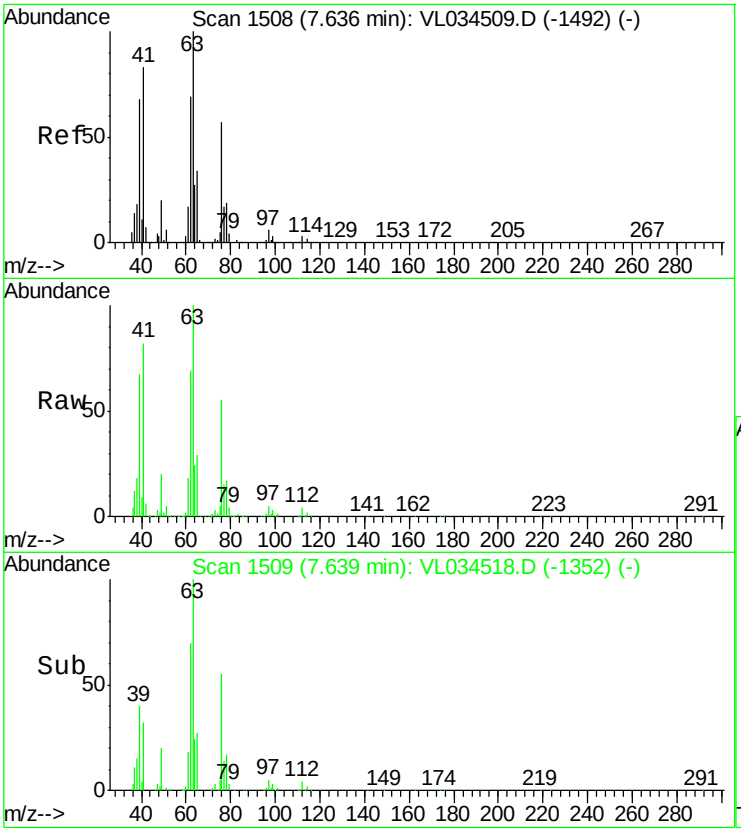


#38
Trichloroethene
Concen: 9.680 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:130 Resp: 735856

Ion	Ratio	Lower	Upper
130	100		
95	120.2	94.2	141.2
132	98.3	76.1	114.1
97	75.5	60.2	90.2



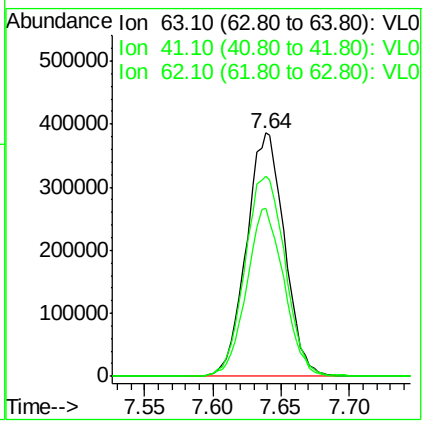


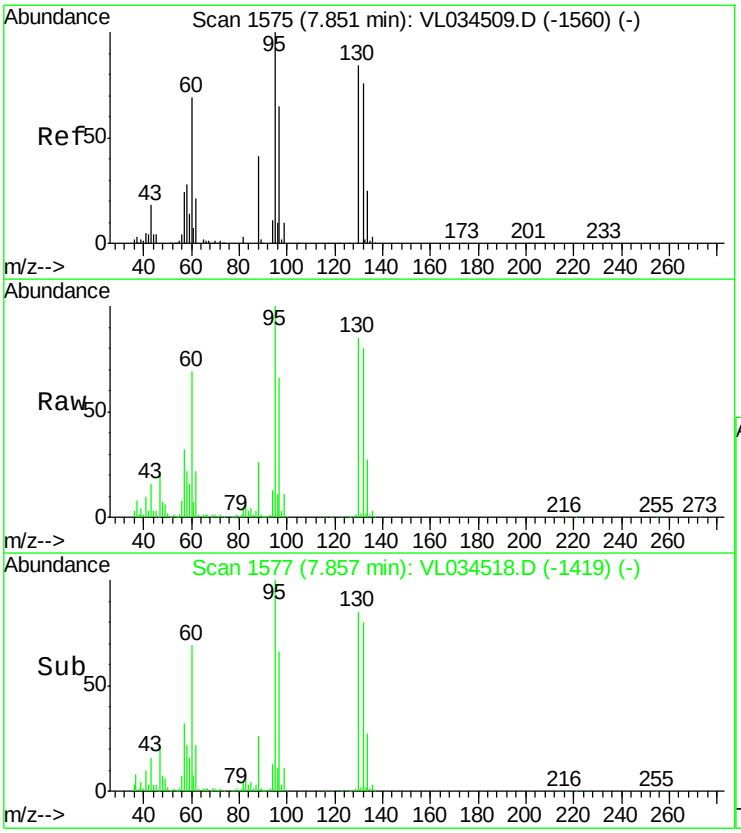
#39
1,2-Dichloropropane
Concen: 9.663 ppbv
RT: 7.64 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 63 Resp: 747693

Ion	Ratio	Lower	Upper
63	100		
41	82.2	66.1	99.1
62	69.1	54.9	82.3

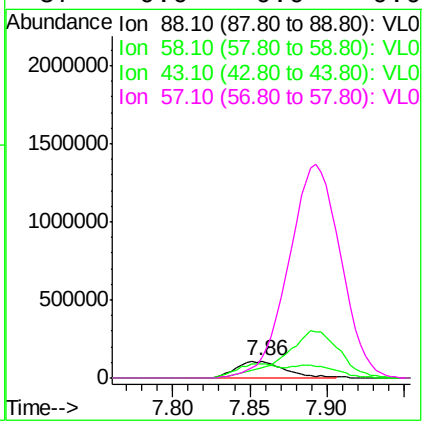


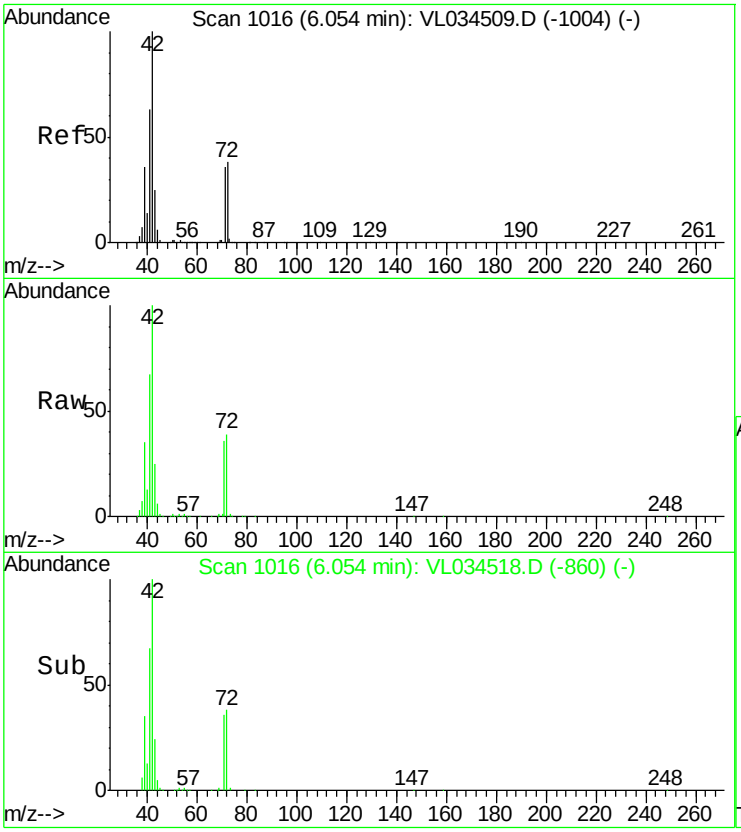


#40
1,4-Dioxane
Concen: 7.568 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 88 Resp: 237014

Ion	Ratio	Lower	Upper
88	100		
58	146.4	107.9	161.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0



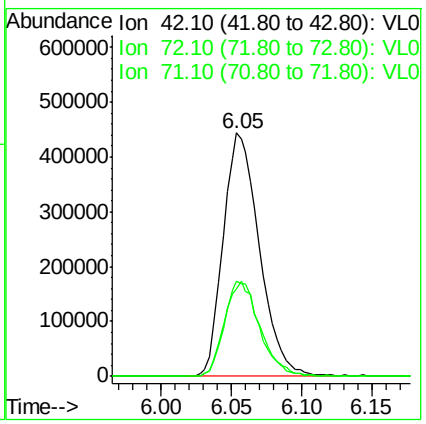


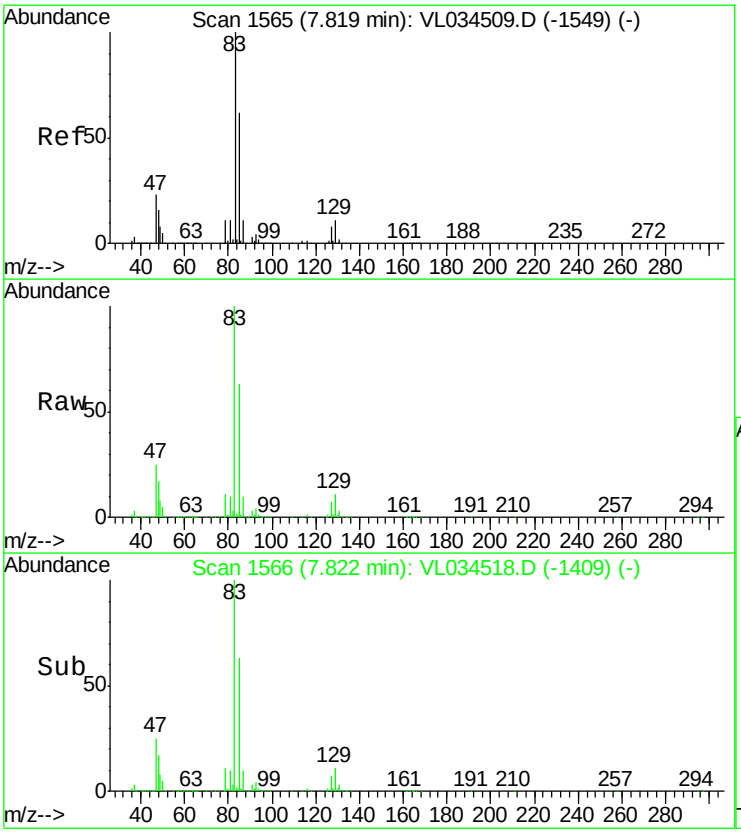
#41
Tetrahydrofuran
Concen: 10.067 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 42 Resp: 796669

Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.9	46.3
71	37.3	28.9	43.3

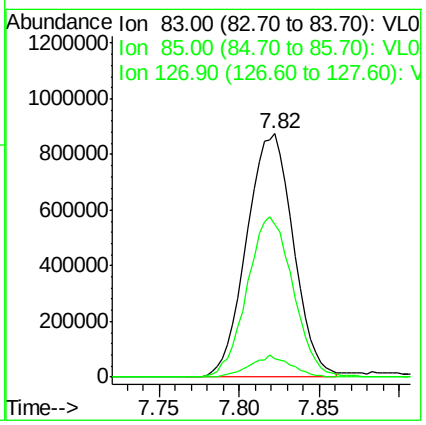


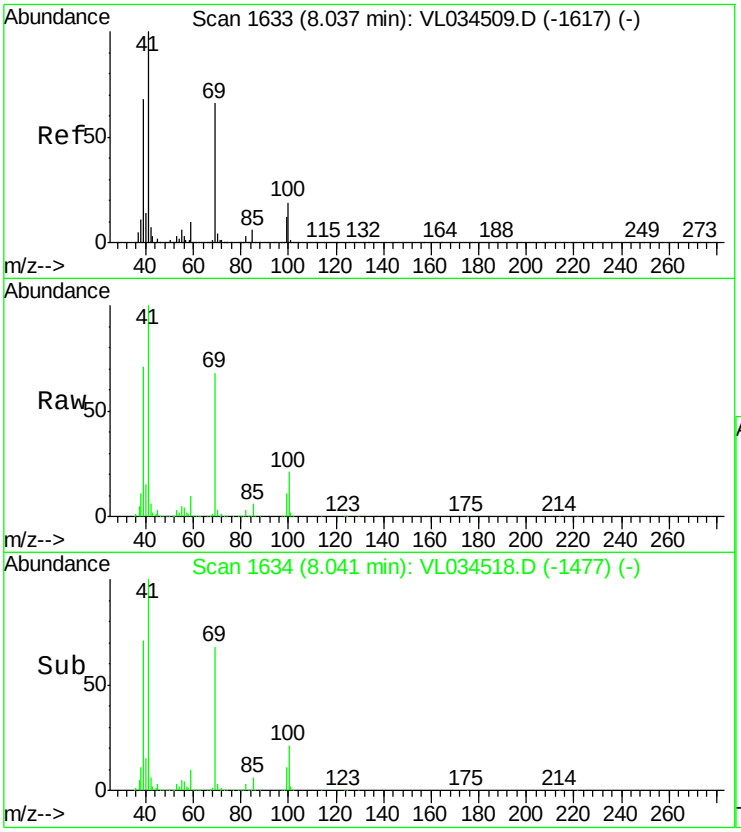


#42
Bromodichloromethane
Concen: 9.319 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 83 Resp: 1752279

Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.4	74.2
127	7.3	6.2	9.4



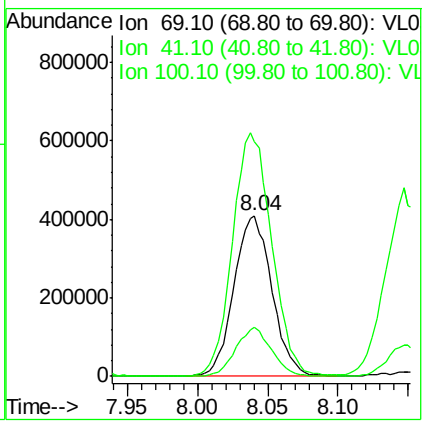


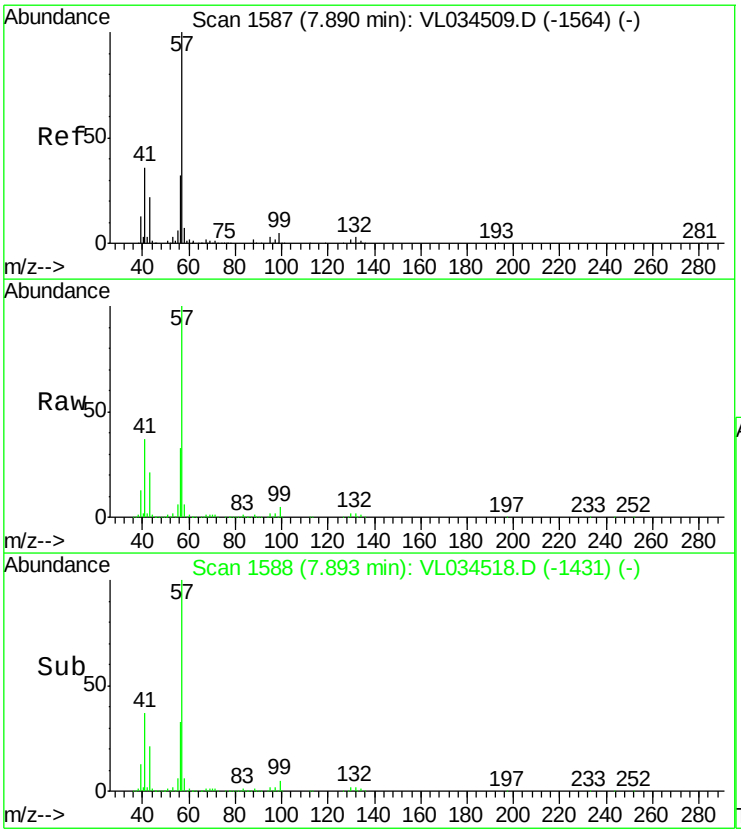
#43
Methyl Methacrylate
Concen: 10.085 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 69 Resp: 774147

Ion	Ratio	Lower	Upper
69	100		
41	156.4	124.0	186.0
100	28.8	23.1	34.7

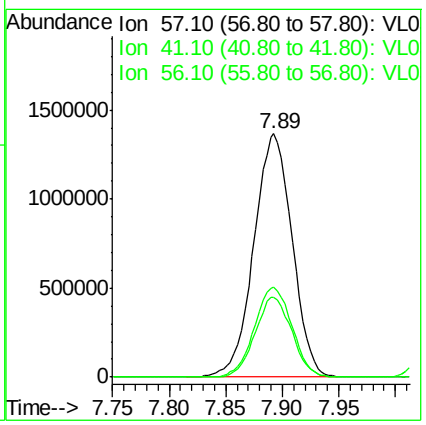


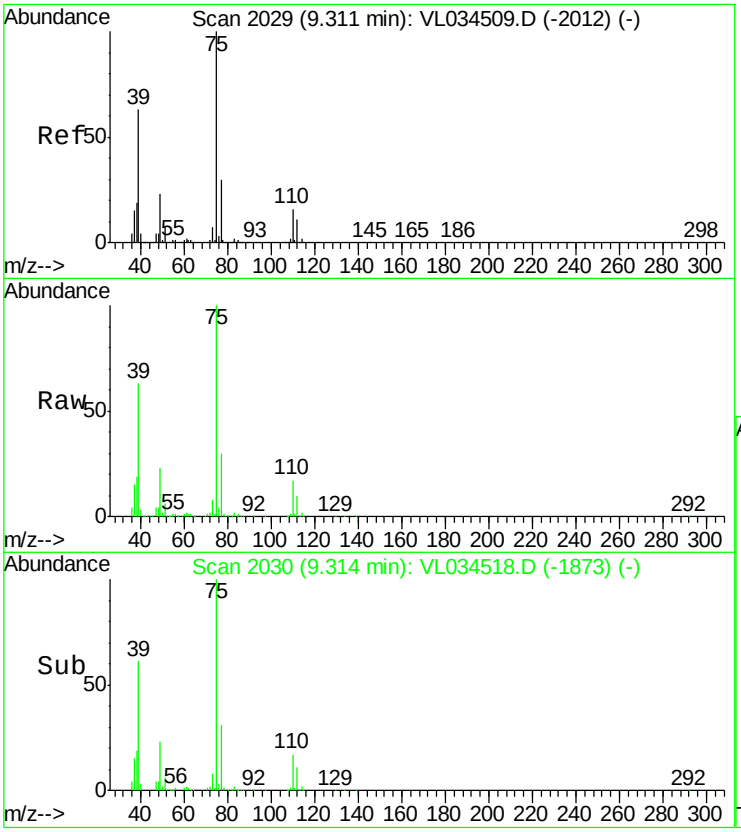


#44
2,2,4-Trimethylpentane
Concen: 9.227 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 57 Resp: 3211991

Ion	Ratio	Lower	Upper
57	100		
41	36.3	29.0	43.4
56	31.5	24.9	37.3



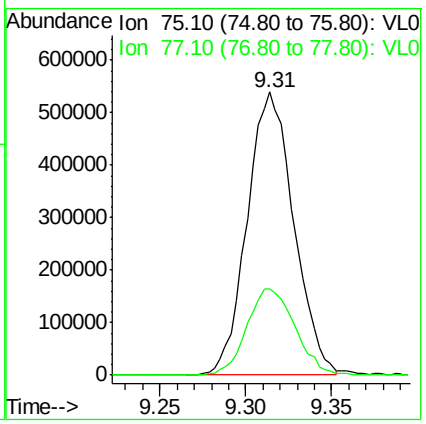


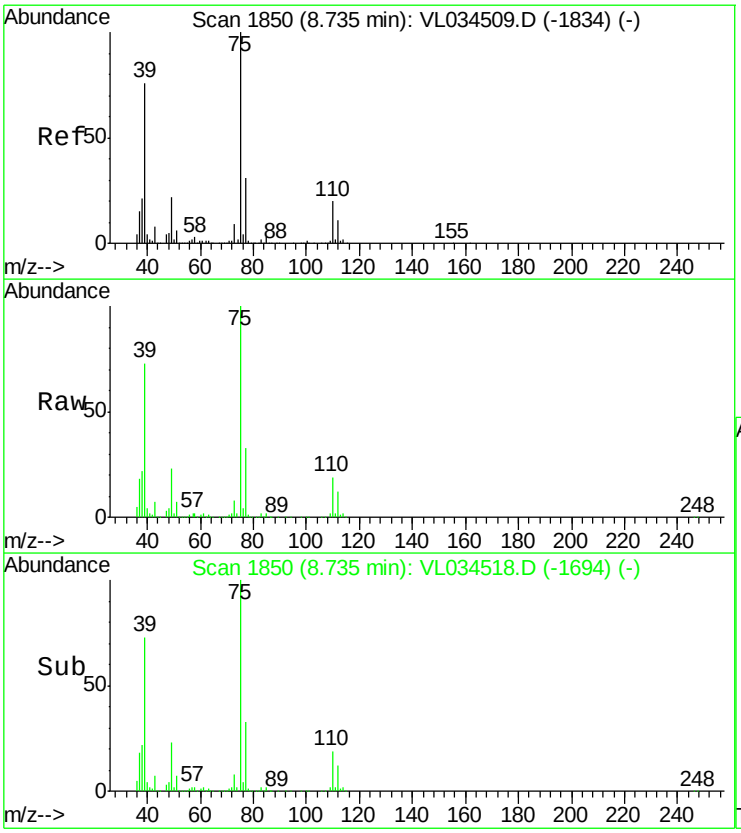
#45
t-1,3-Dichloropropene
Concen: 10.253 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion: 75 Resp: 1013794

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2

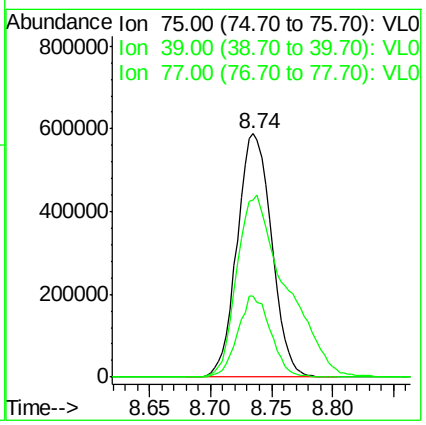


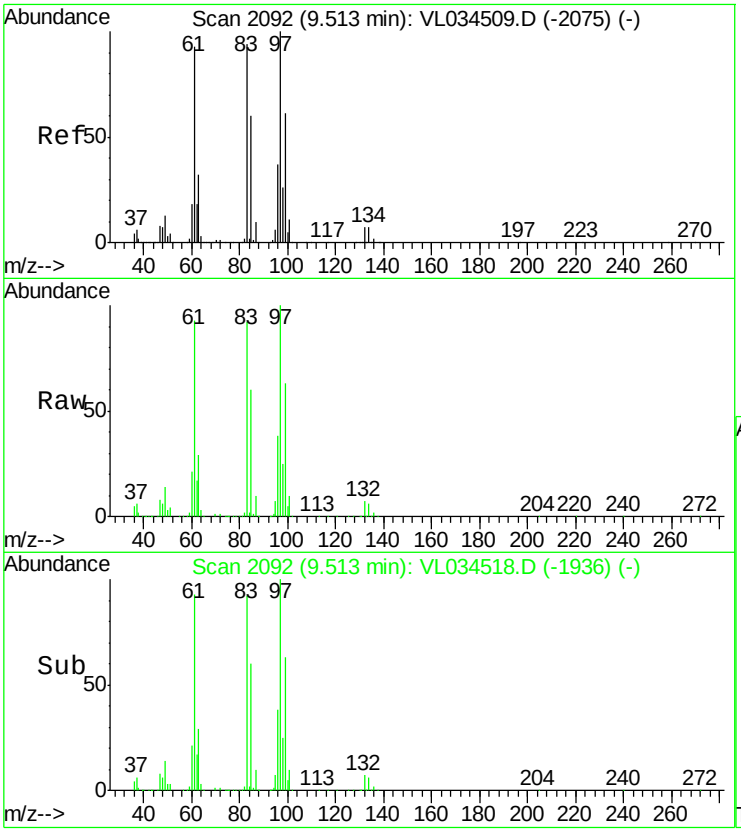


#46
cis-1,3-Dichloropropene
Concen: 10.141 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 75 Resp: 1146226

Ion	Ratio	Lower	Upper
75	100		
39	72.7	60.5	90.7
77	33.2	24.8	37.2



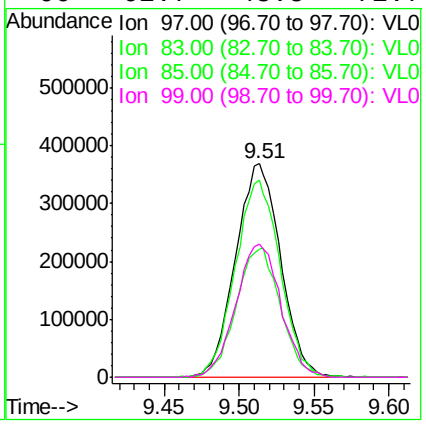


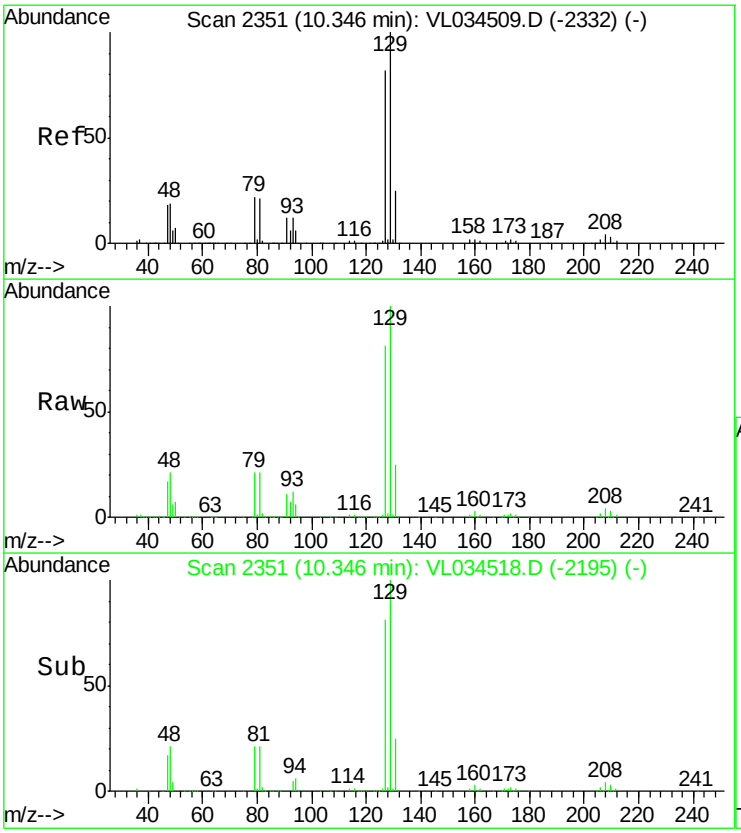
#47
1,1,2-Trichloroethane
Concen: 9.007 ppbv
RT: 9.51 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 97 Resp: 768252

Ion	Ratio	Lower	Upper
97	100		
83	92.4	75.0	112.4
85	60.1	48.2	72.4
99	62.7	48.5	72.7

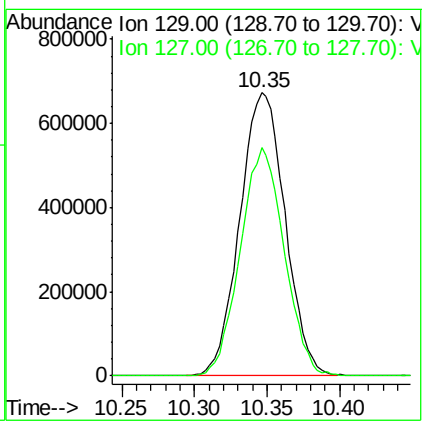


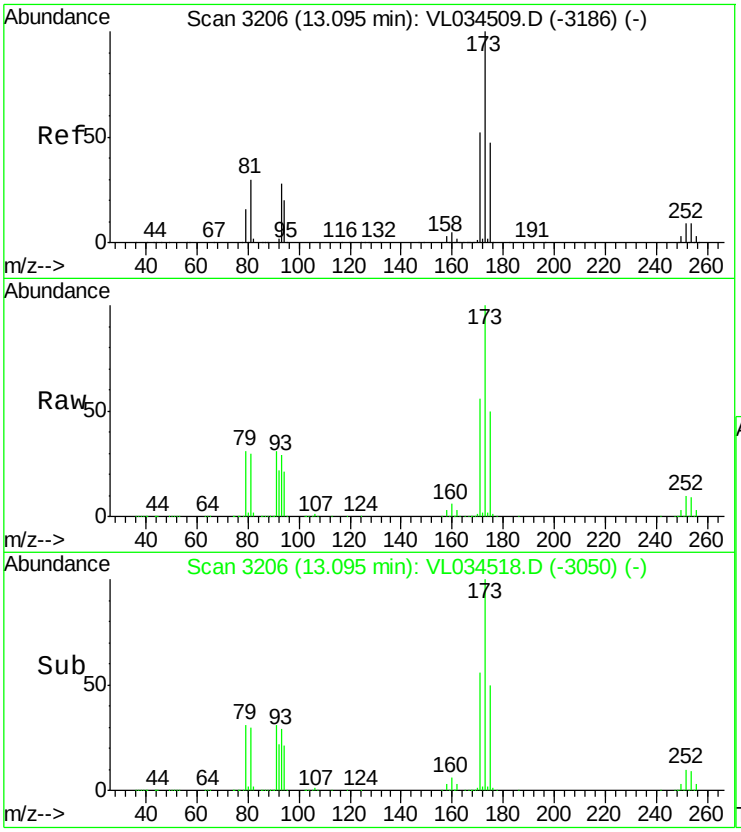


#48
Dibromochloromethane
Concen: 9.902 ppbv
RT: 10.35 min Scan# 2351
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:129 Resp: 1464233

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2



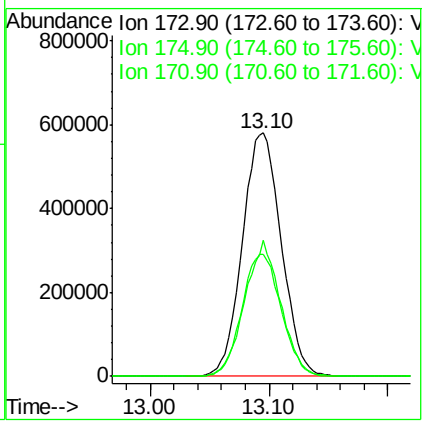


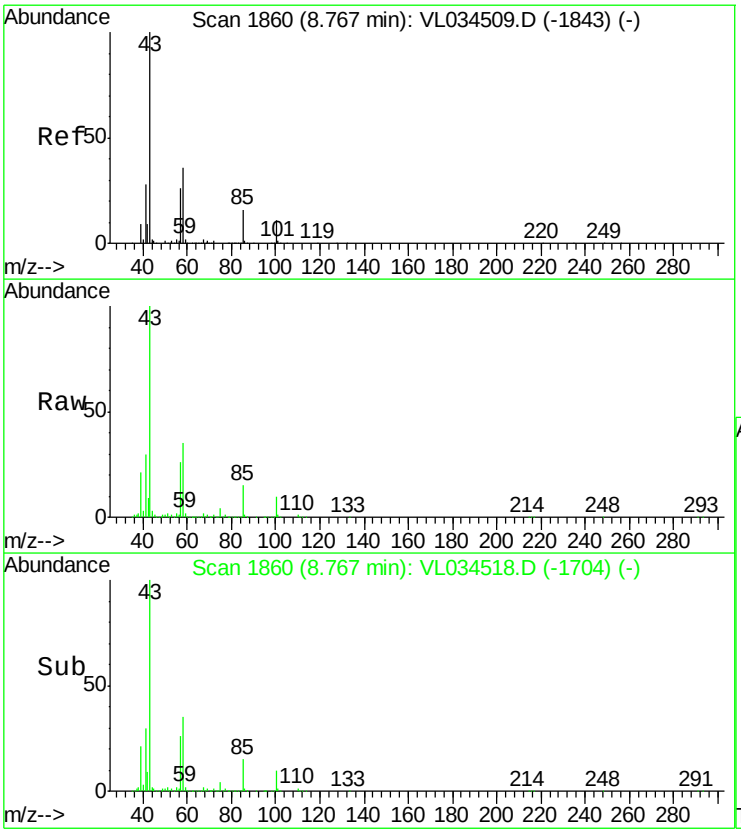
#49
Bromoform
Concen: 9.821 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:173 Resp: 1314697

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.8	59.8
171	52.5	42.1	63.1

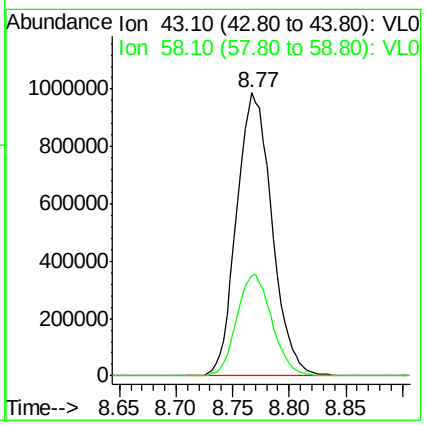


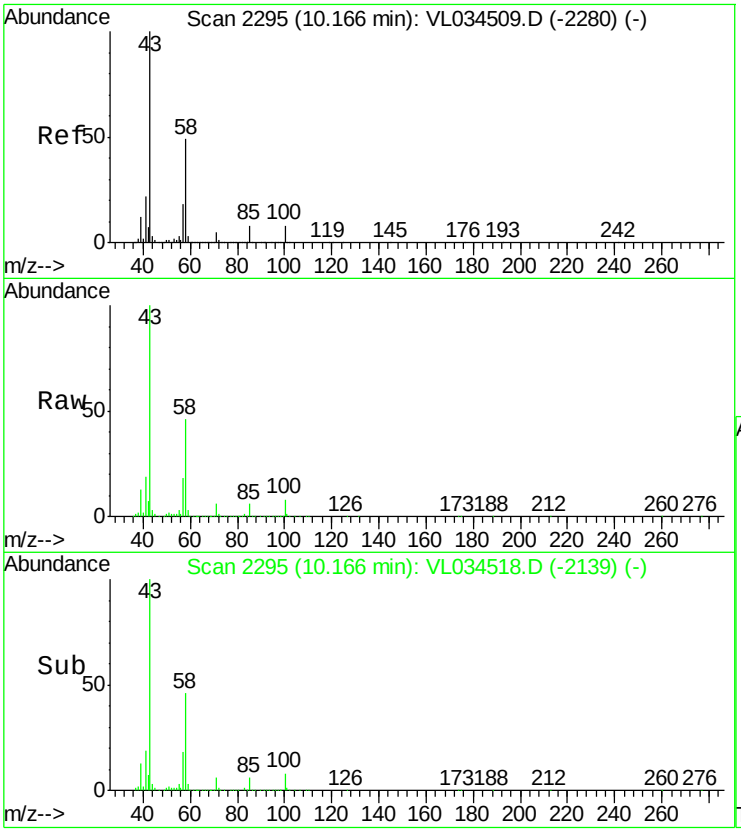


#50
4-Methyl-2-Pentanone
Concen: 9.617 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 43 Resp: 2153755

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.2	42.2



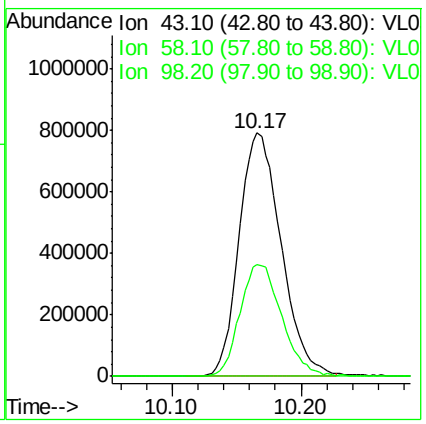


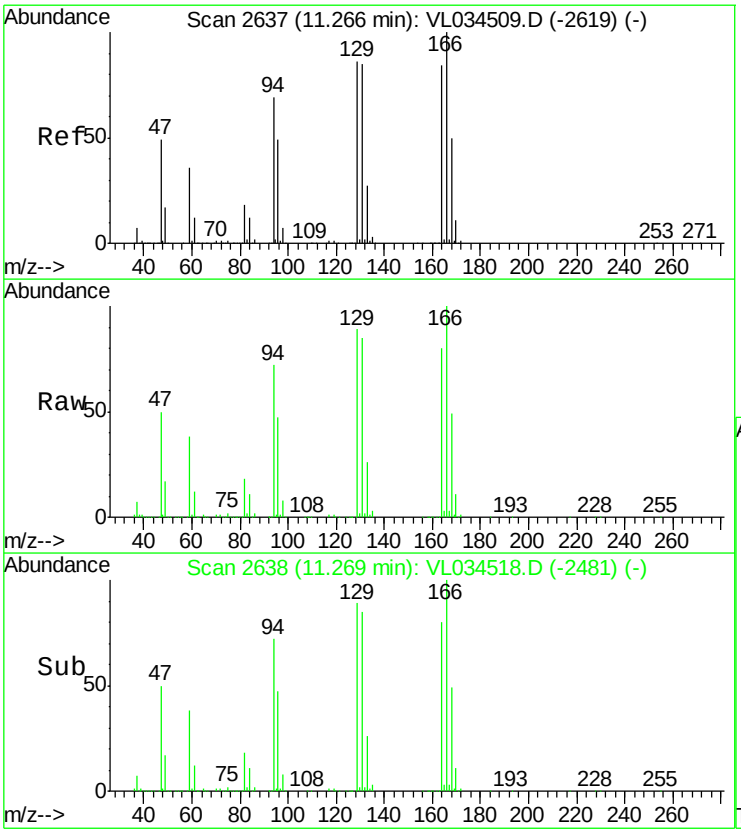
#51
2-Hexanone
Concen: 9.942 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 43 Resp: 1797296

Ion	Ratio	Lower	Upper
43	100		
58	45.9	37.4	56.0
98	0.2	0.2	0.2#

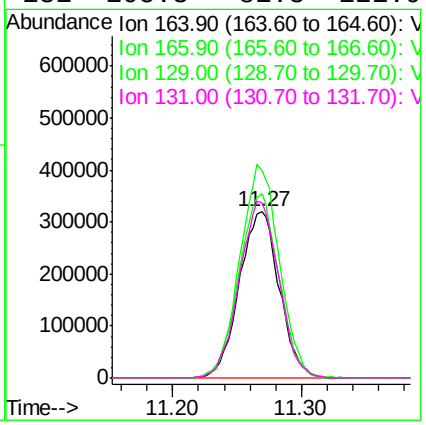


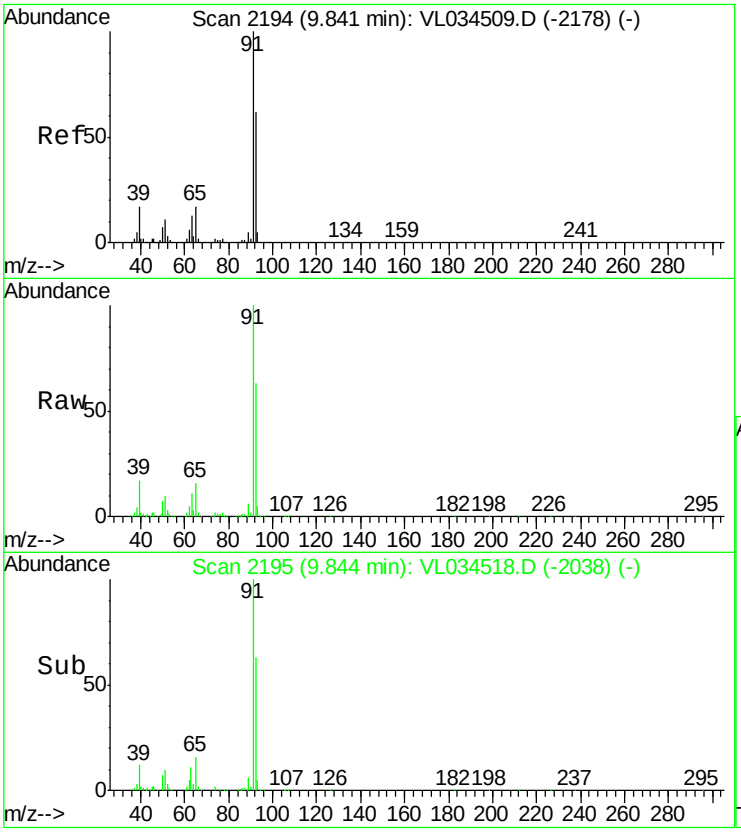


#52
Tetrachloroethene
Concen: 9.373 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:164 Resp: 688360

Ion	Ratio	Lower	Upper
164	100		
166	124.3	95.7	143.5
129	110.5	82.2	123.2
131	105.3	81.3	121.9



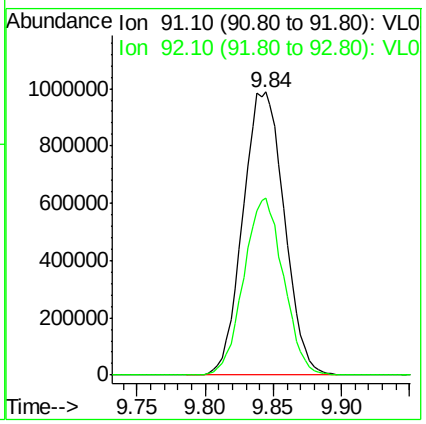


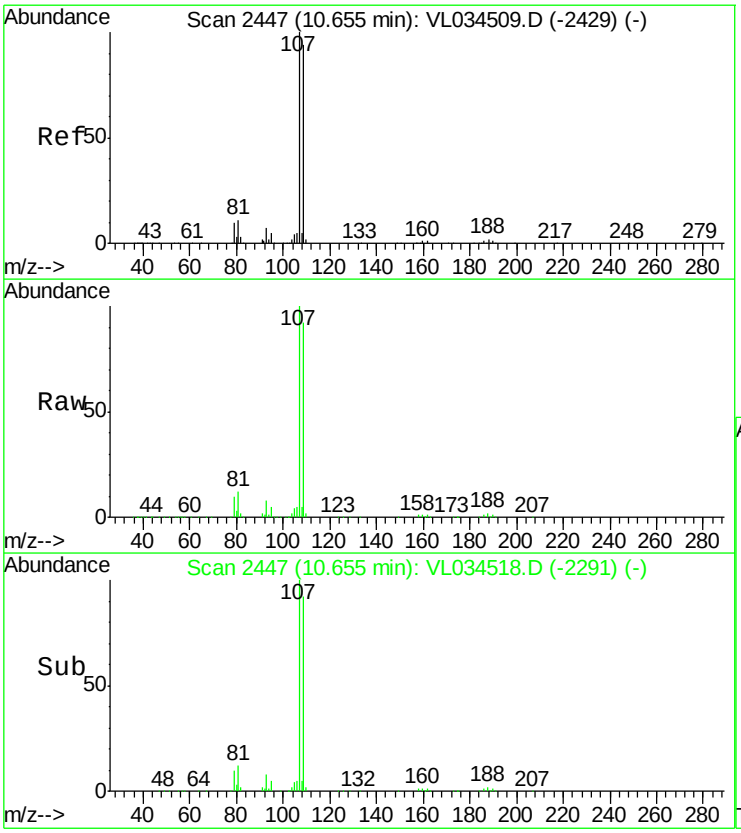
#53
Toluene
Concen: 10.064 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 91 Resp: 2080608

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.4	72.6

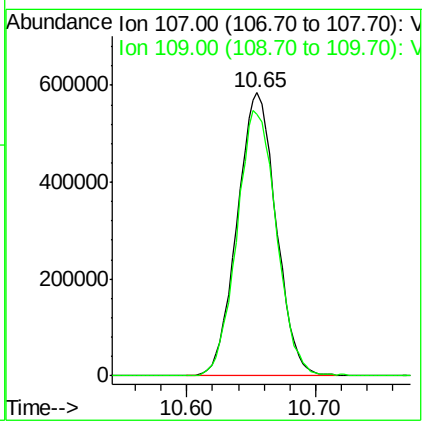


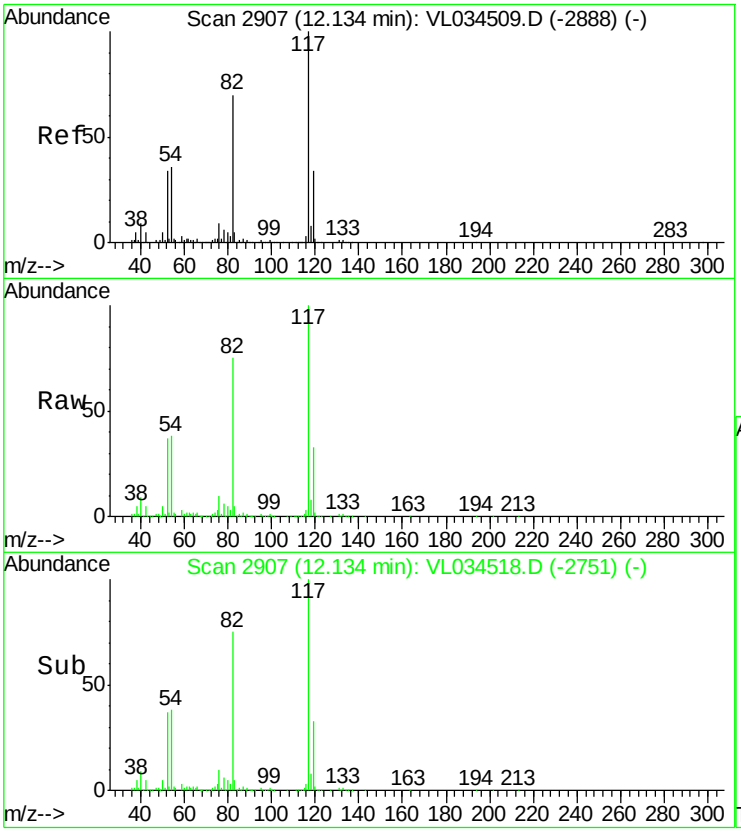


#54
1,2-Dibromoethane
Concen: 9.917 ppbv
RT: 10.65 min Scan# 2447
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:107 Resp: 1231000

Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.5	113.3



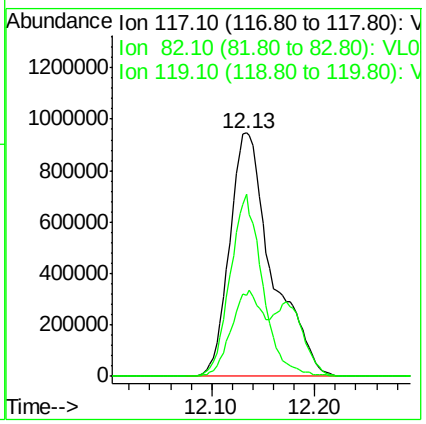


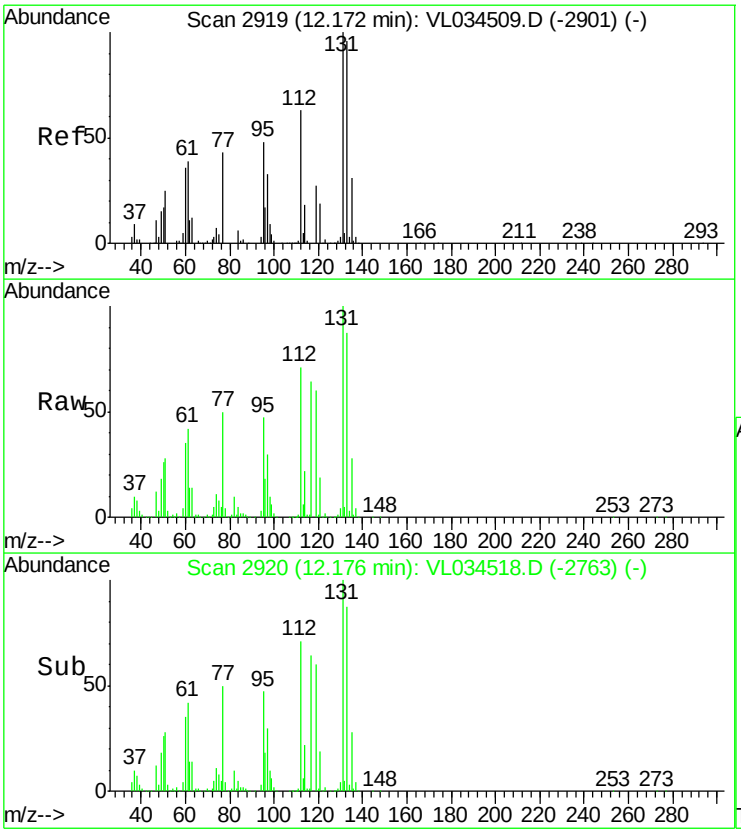
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:117 Resp: 2718806

Ion	Ratio	Lower	Upper
117	100		
82	57.2	56.2	84.4
119	28.8	27.1	40.7

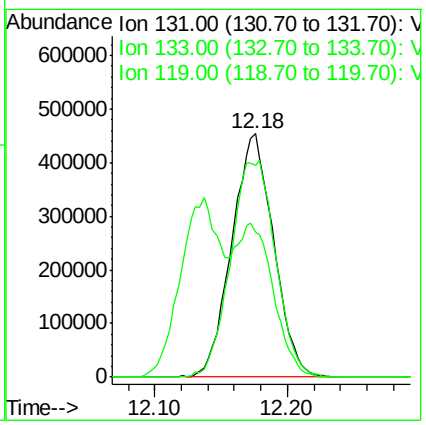


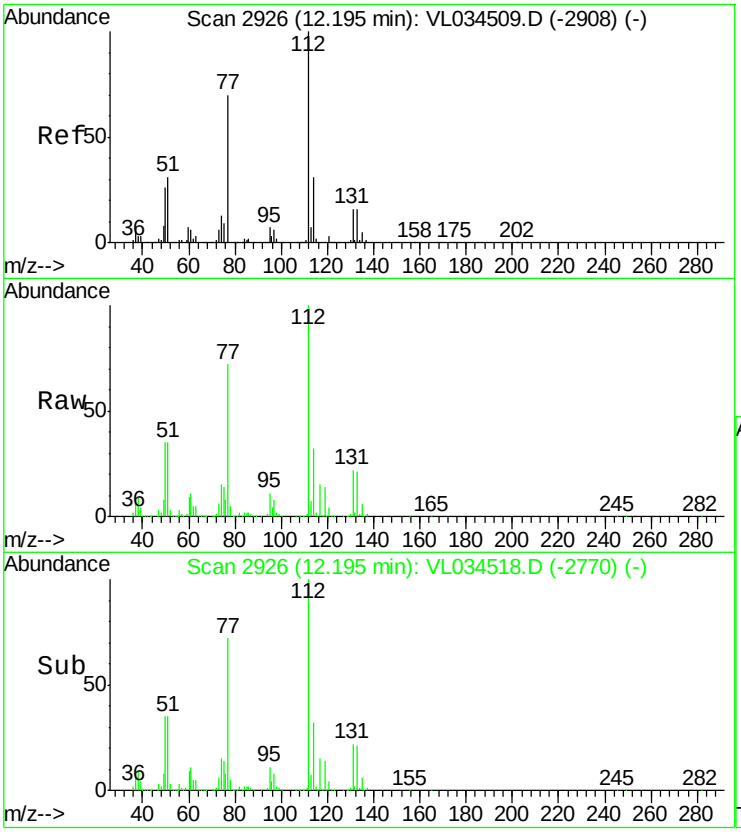


#56
1,1,1,2-Tetrachloroethane
Concen: 7.563 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:131 Resp: 992574

Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.2	114.2
119	61.2	47.1	70.7



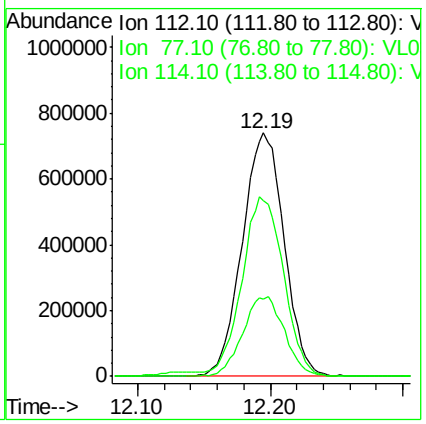


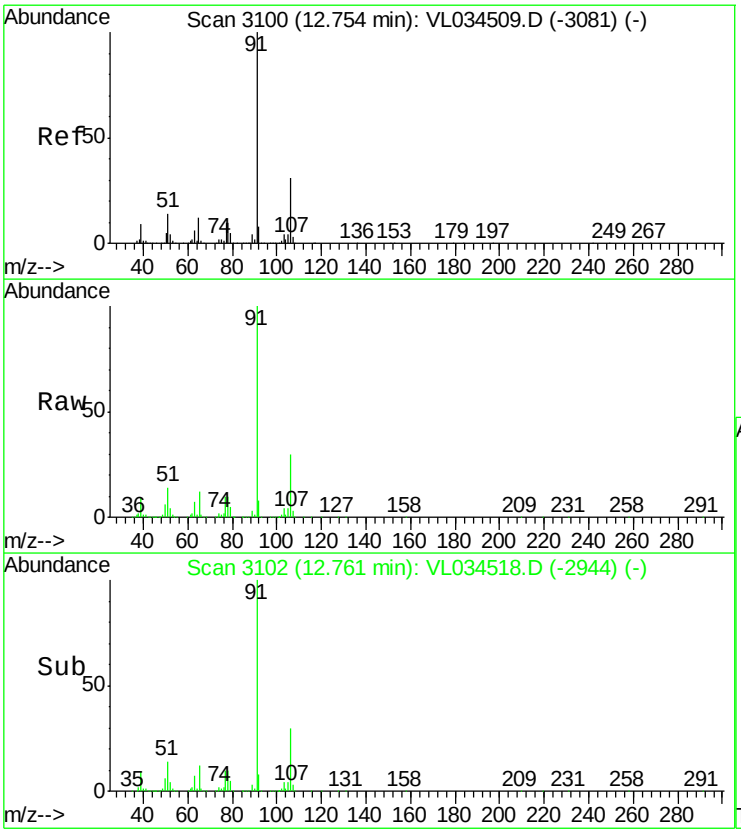
#57
Chlorobenzene
Concen: 7.246 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:112 Resp: 1625435

Ion	Ratio	Lower	Upper
112	100		
77	72.0	57.4	86.0
114	31.5	28.4	34.8

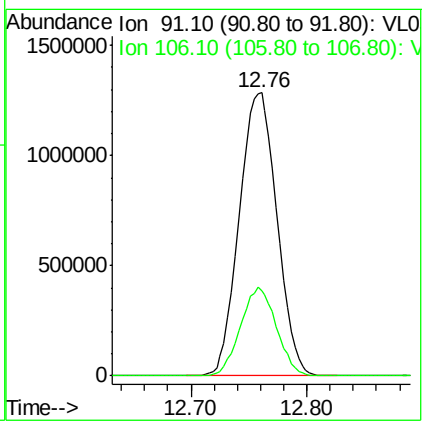


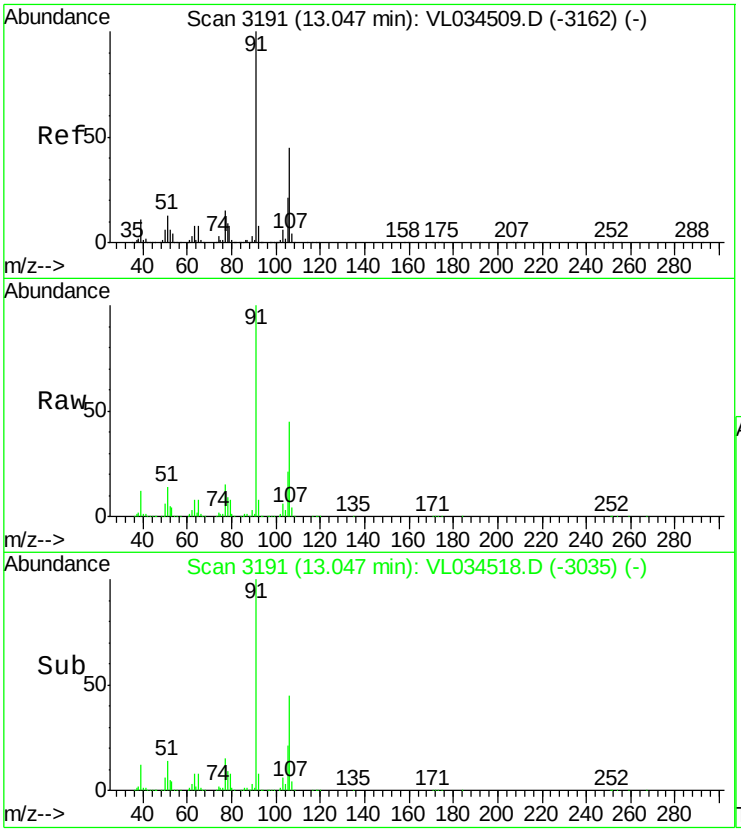


#58
Ethyl Benzene
Concen: 7.928 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 2906761

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.6	36.8



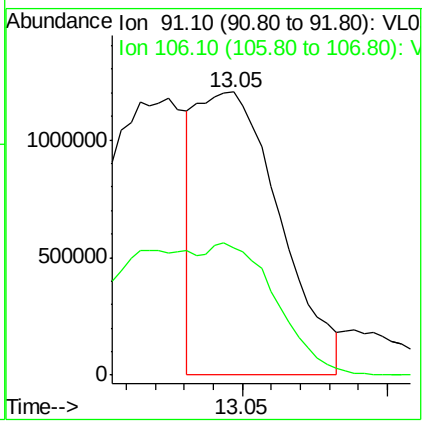


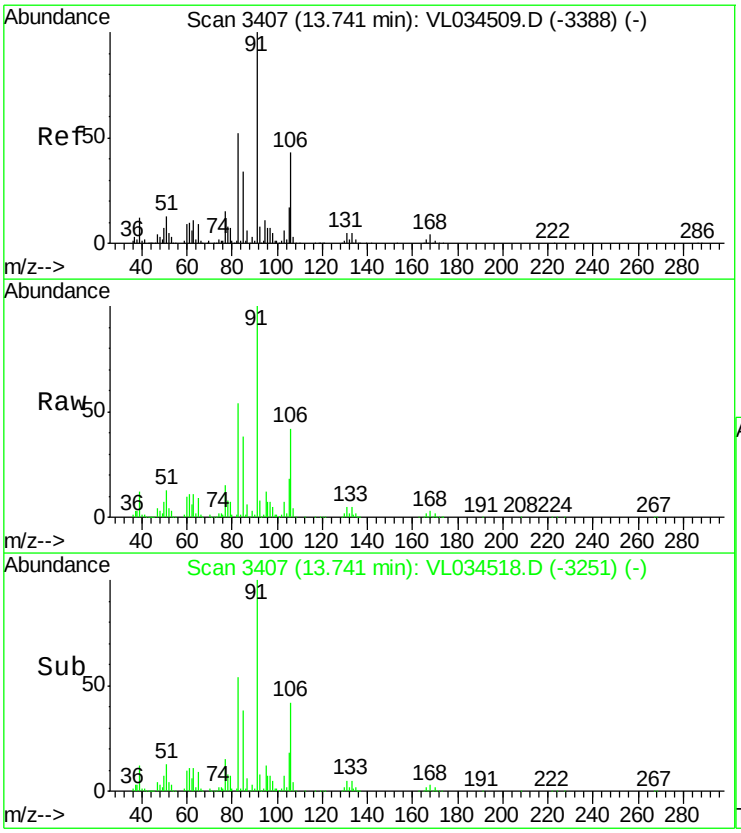
#59
m/p-Xylene
Concen: 7.474 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 91 Resp: 2396450

Ion	Ratio	Lower	Upper
91	100		
106	90.2	35.6	53.4#

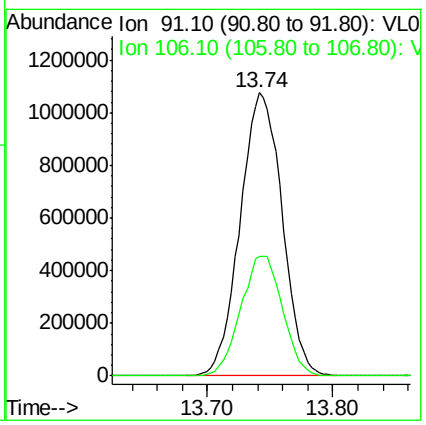


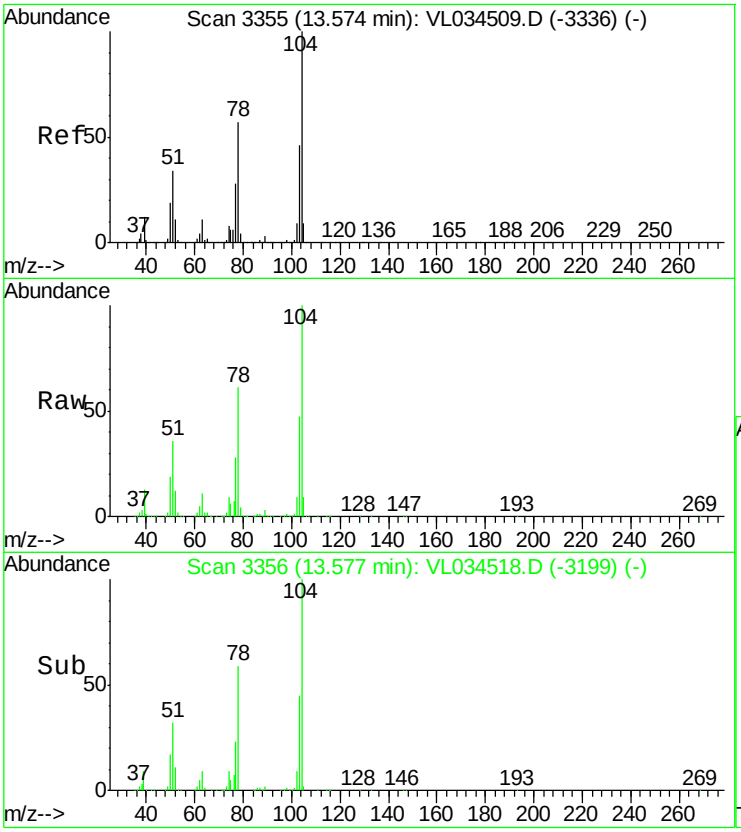


#60
o-Xylene
Concen: 7.763 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 2497751

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.4	64.3



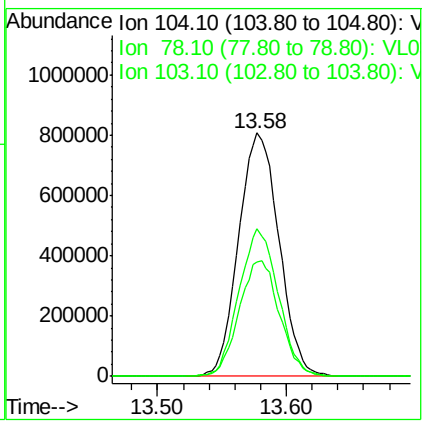


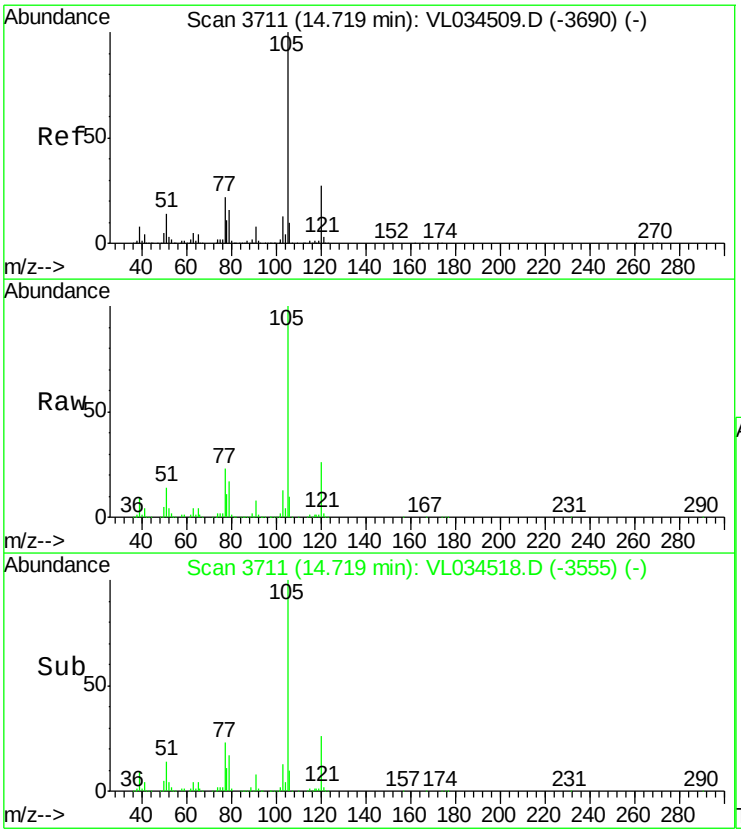
#61
Styrene
Concen: 8.005 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:104 Resp: 1760956

Ion	Ratio	Lower	Upper
104	100		
78	59.3	47.7	71.5
103	47.5	38.6	58.0

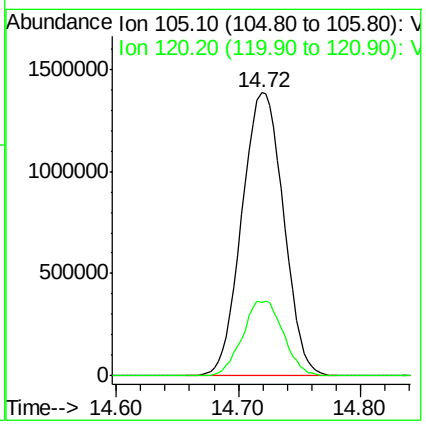


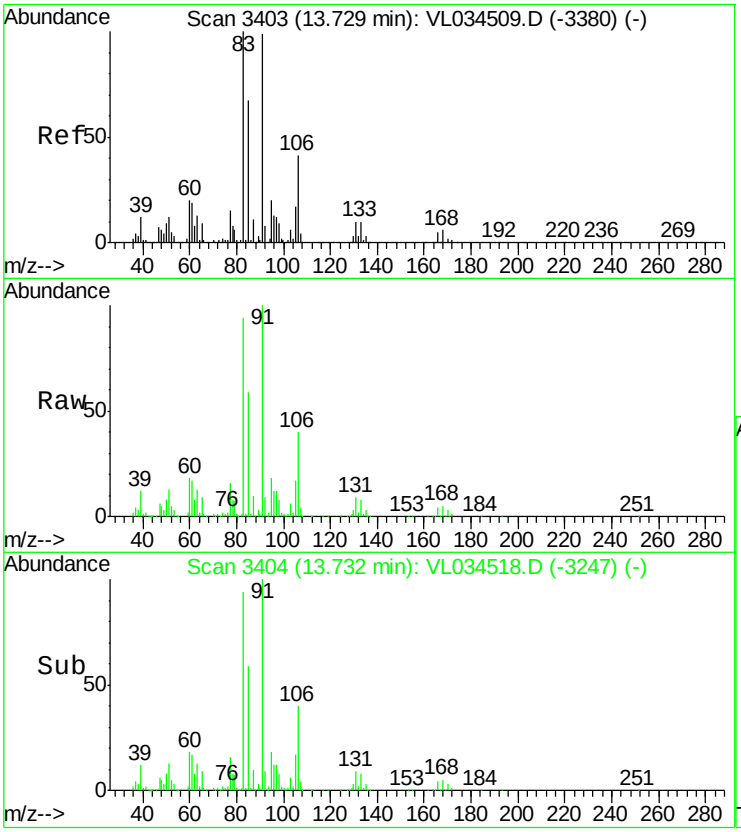


#62
Isopropylbenzene
Concen: 7.776 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:105 Resp: 3272516

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8



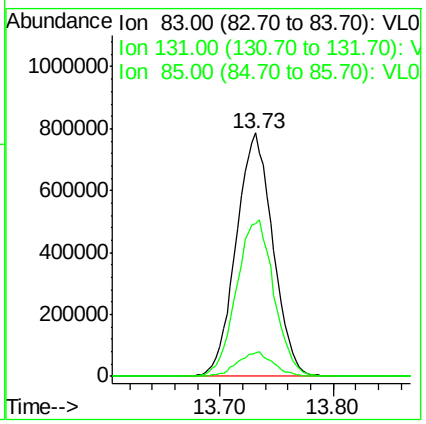


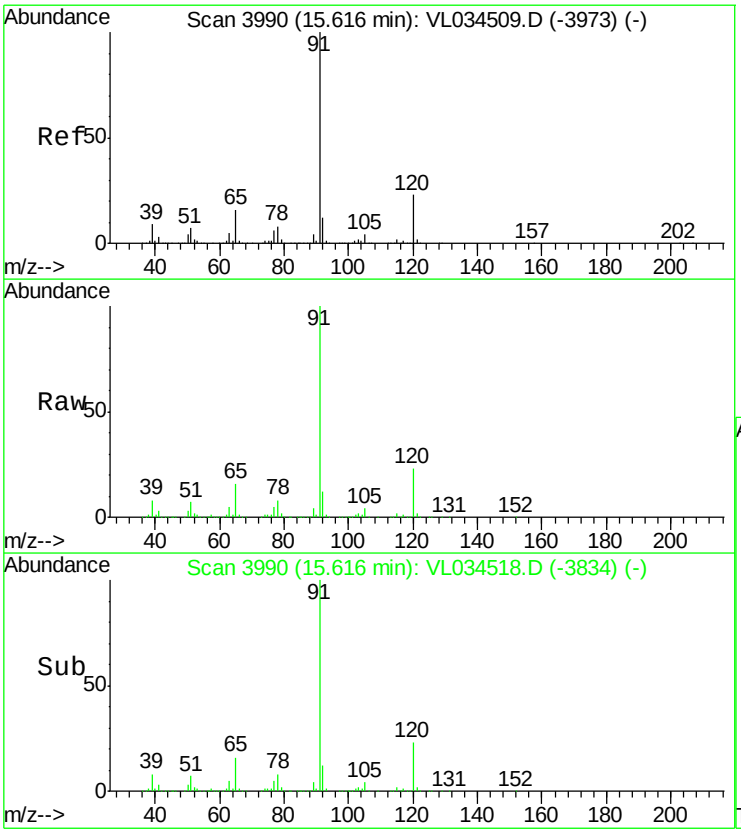
#63
1,1,2,2-Tetrachloroethane
Concen: 6.872 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 83 Resp: 1773538

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.9	32.5	97.4

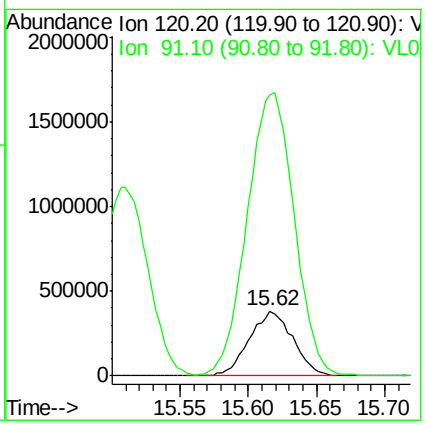


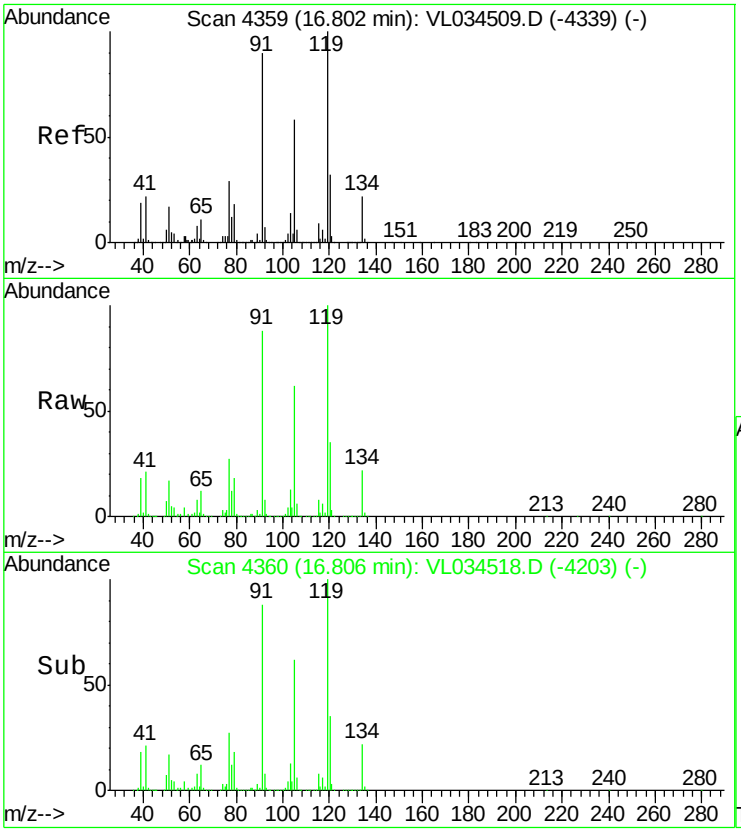


#64
n-propylbenzene
Concen: 7.913 ppbv
RT: 15.62 min Scan# 3990
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:120 Resp: 850385

Ion	Ratio	Lower	Upper
120	100		
91	471.1	375.6	563.4



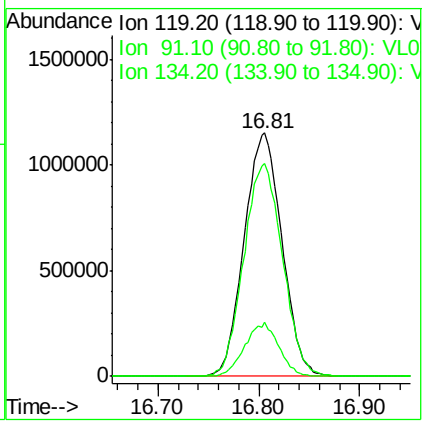


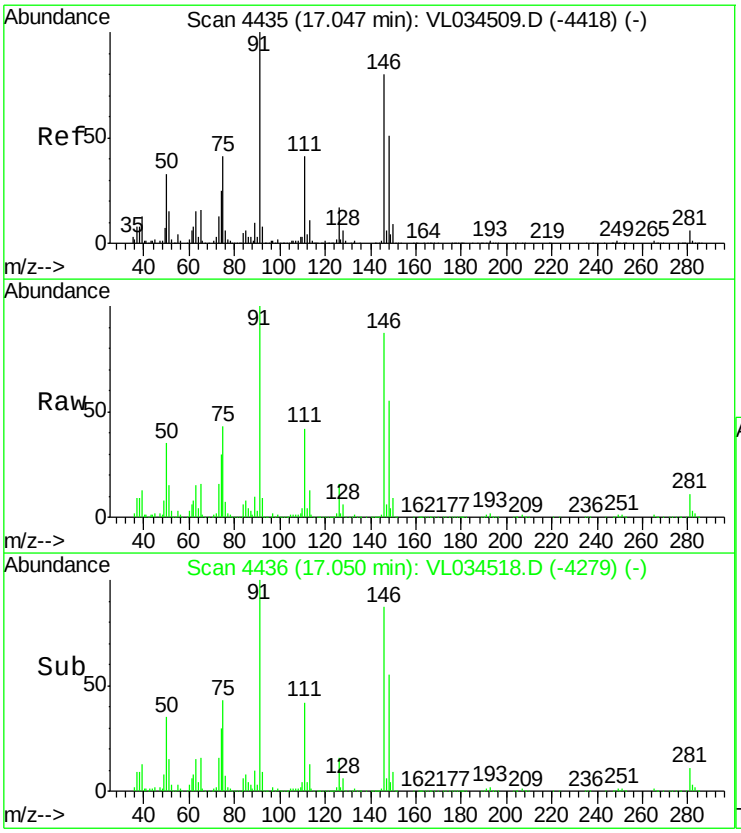
#65
tert-Butylbenzene
Concen: 7.842 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:119 Resp: 2981844

Ion	Ratio	Lower	Upper
119	100		
91	89.9	72.0	108.0
134	20.0	16.1	24.1

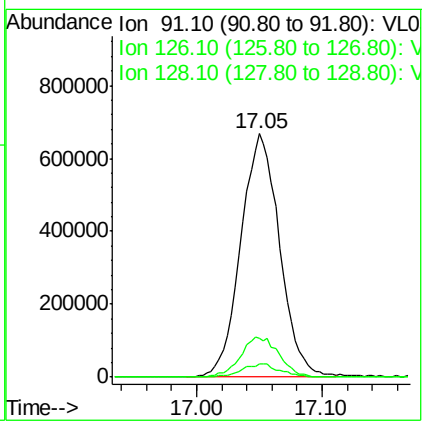


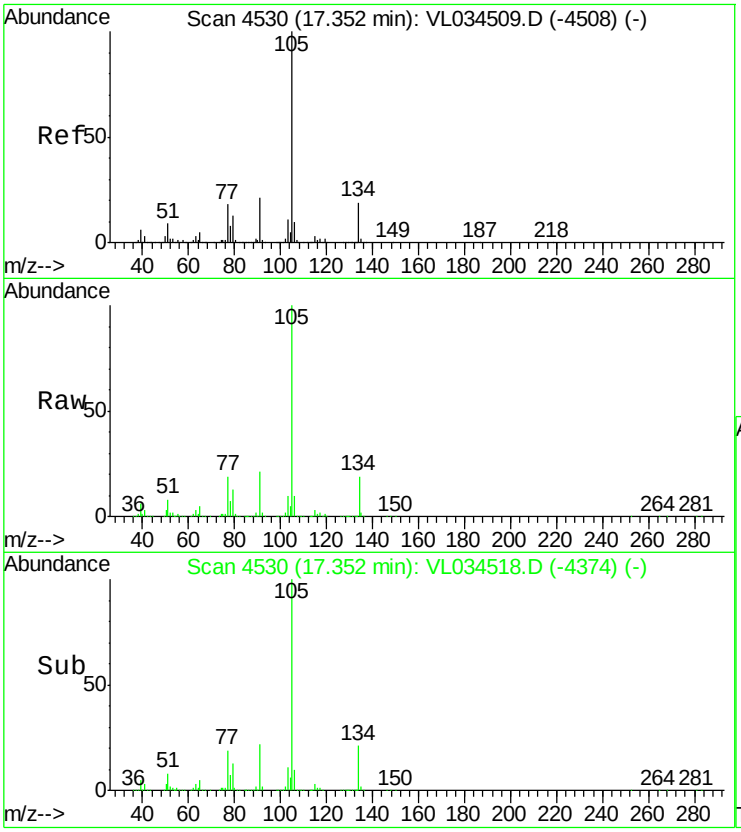


#66
Benzyl Chloride
Concen: 8.585 ppbv
RT: 17.05 min Scan# 4436
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 1430642

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.1	19.7
128	5.3	4.2	6.4



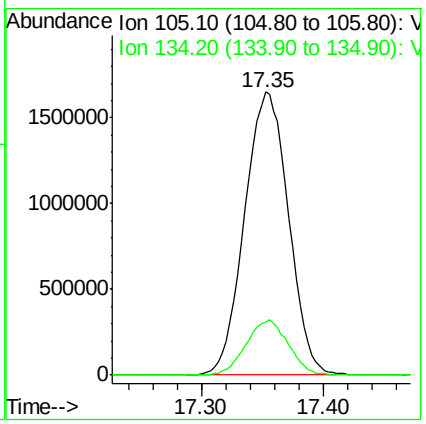


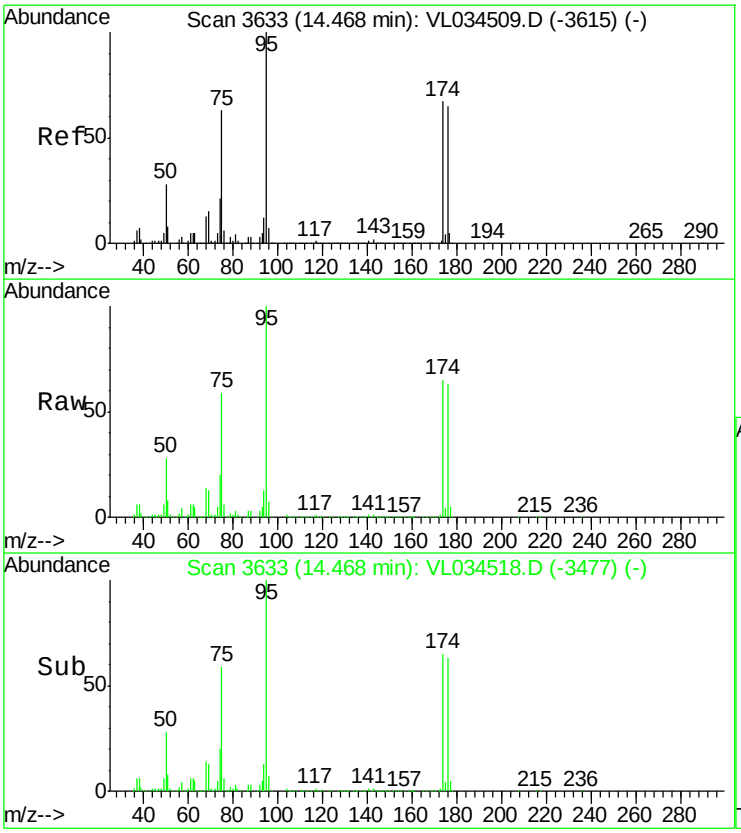
#67
sec-Butylbenzene
Concen: 7.682 ppbv
RT: 17.35 min Scan# 4530
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:105 Resp: 4102043

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.1	22.7

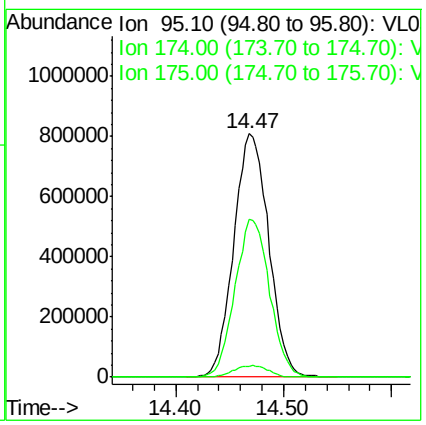


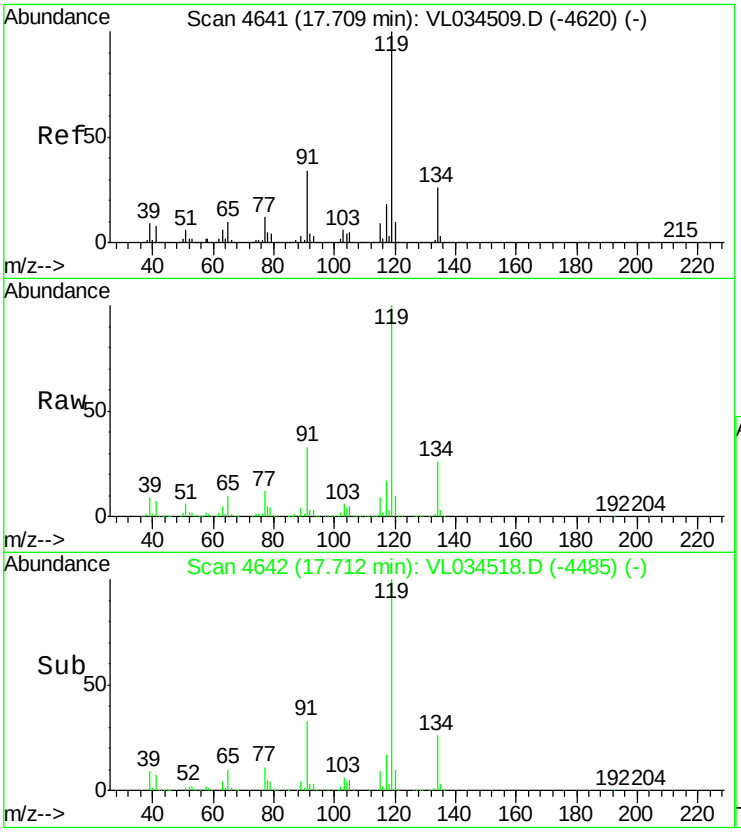


#68
1-Bromo-4-Fluorobenzene
Concen: 8.048 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 95 Resp: 1825865

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.4	78.6
175	4.7	3.9	5.9



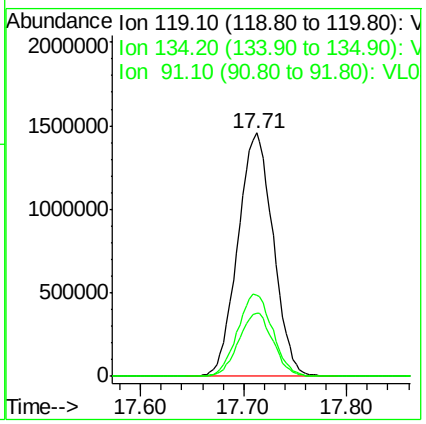


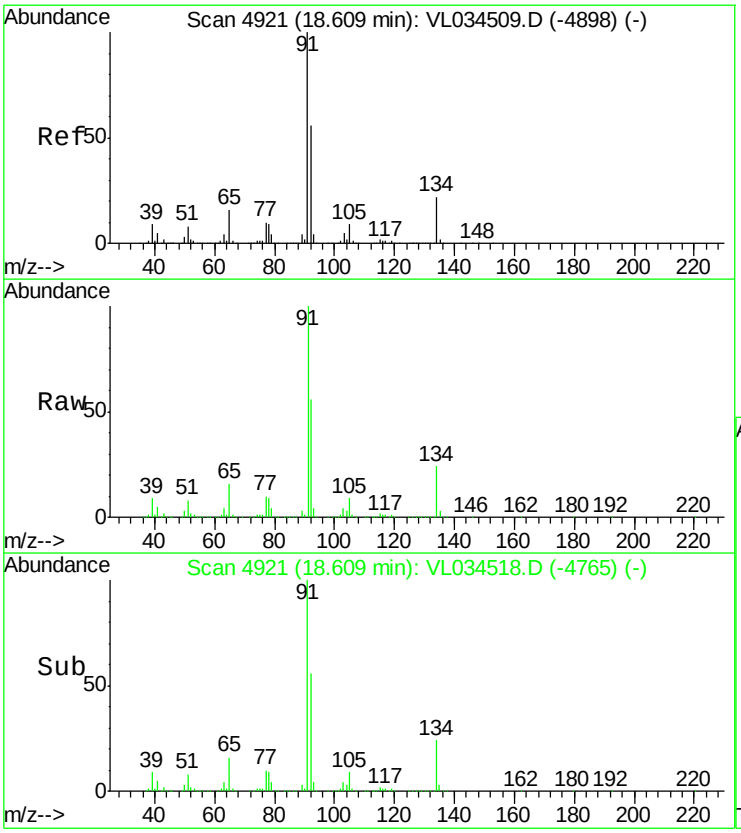
#69
p-Isopropyltoluene
Concen: 7.998 ppbv
RT: 17.71 min Scan# 4642
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:119 Resp: 3463863

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.7	31.1
91	33.4	26.6	39.8

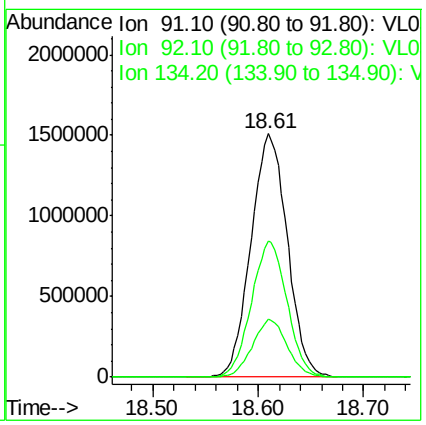


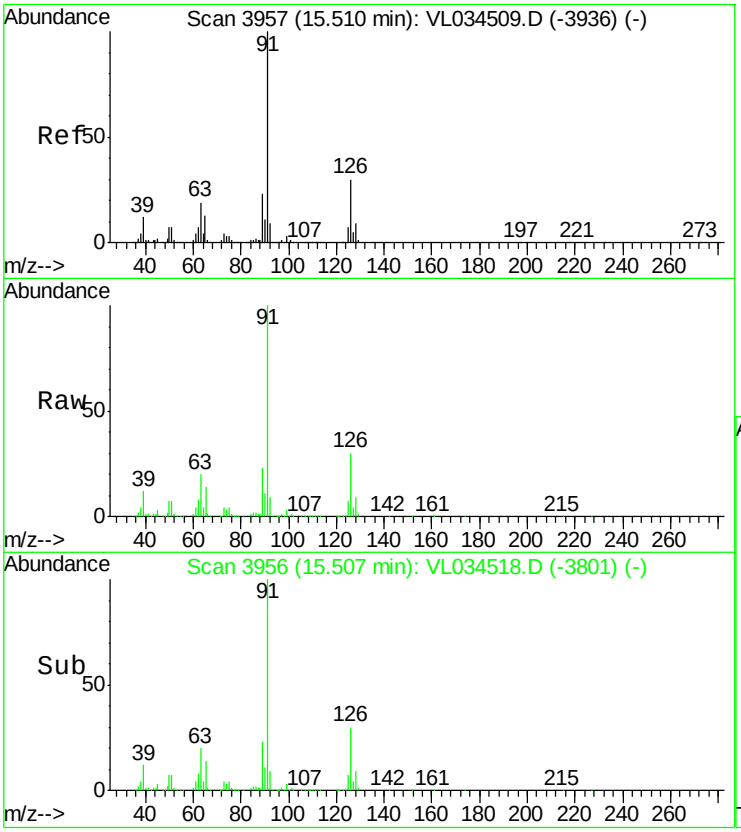


#70
n-Butylbenzene
Concen: 7.762 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion: 91 Resp: 3627017

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.7	18.0	27.0



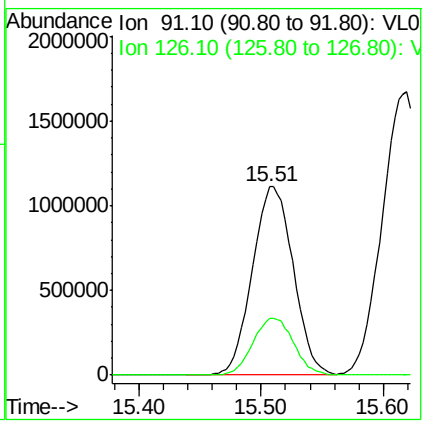


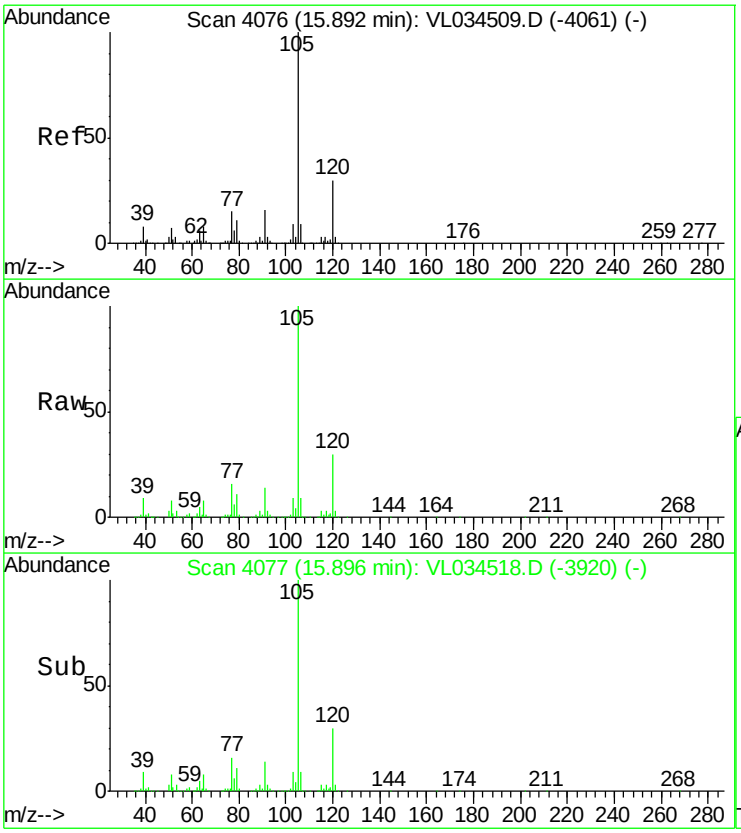
#71
2-Chlorotoluene
Concen: 7.922 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion: 91 Resp: 2589206

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	47.8

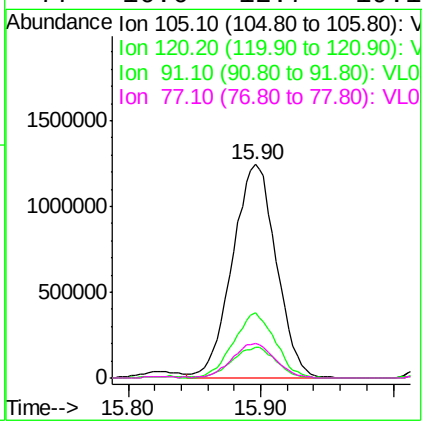


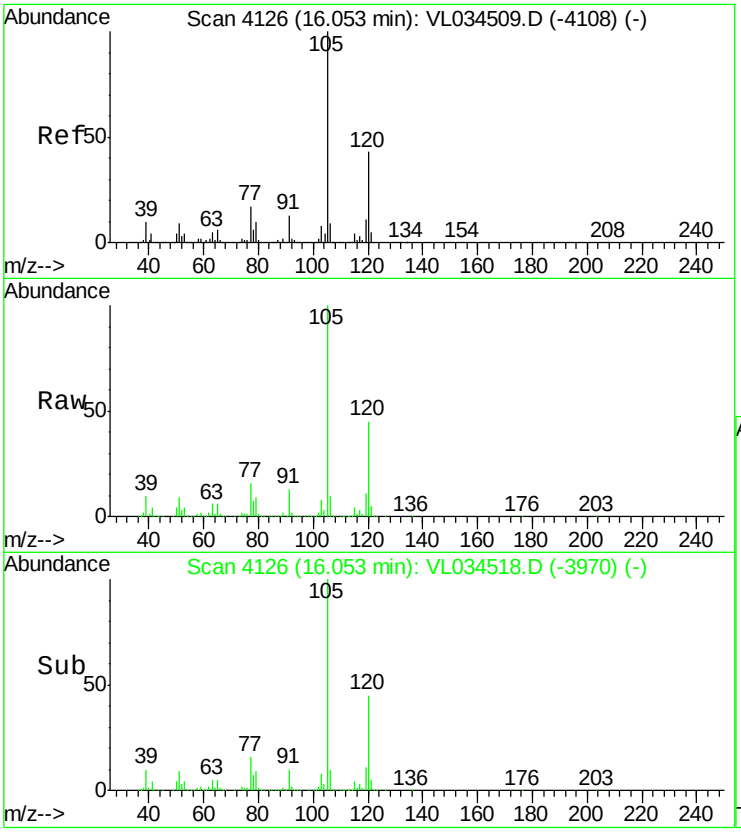


#72
4-Ethyltoluene
Concen: 7.926 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:105 Resp: 2853487

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	14.4	11.5	17.3
77	16.6	12.7	19.1



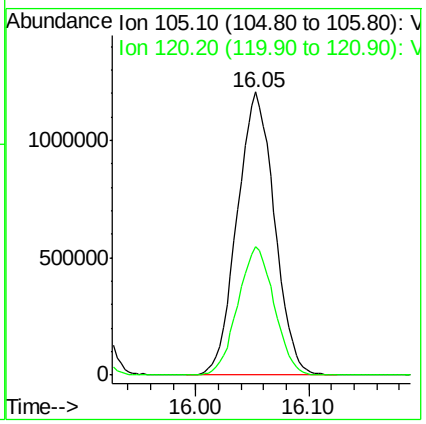


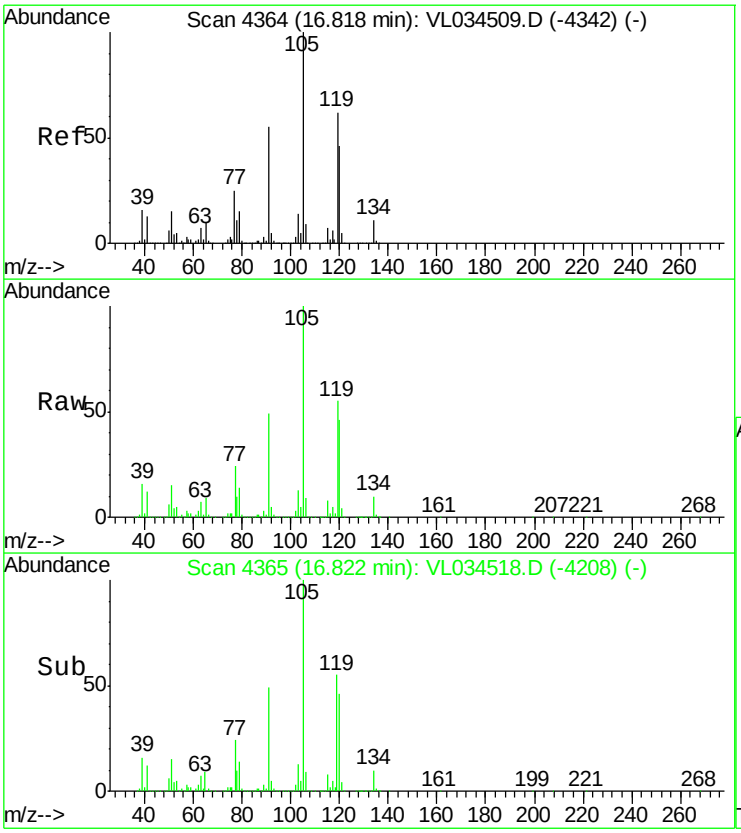
#73
1,3,5-Trimethylbenzene
Concen: 7.811 ppbv
RT: 16.05 min Scan# 4126
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:105 Resp: 2759075

Ion	Ratio	Lower	Upper
105	100		
120	45.3	34.6	52.0

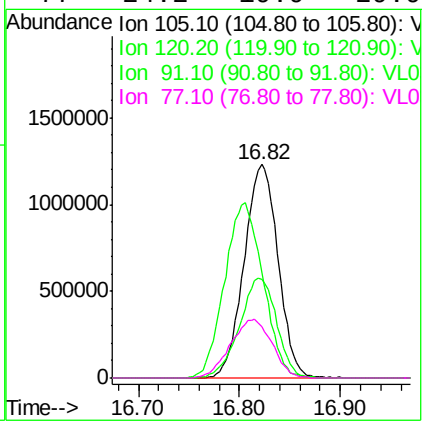


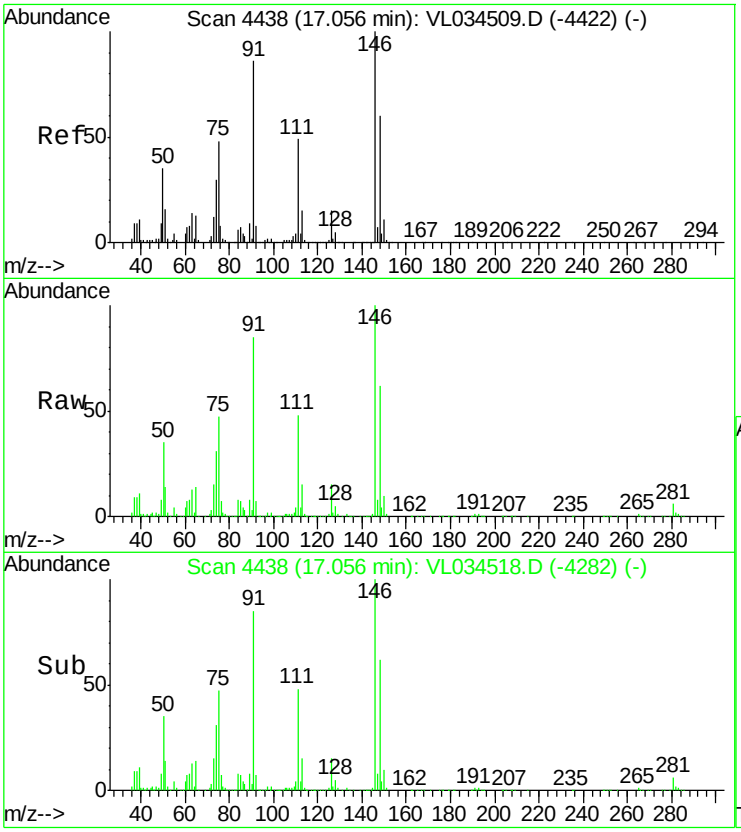


#74
1,2,4-Trimethylbenzene
Concen: 7.591 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:105 Resp: 2868152

Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.7	55.1
91	49.3	44.0	66.0
77	24.2	19.9	29.9



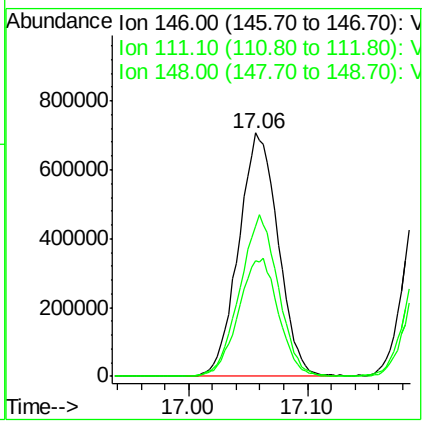


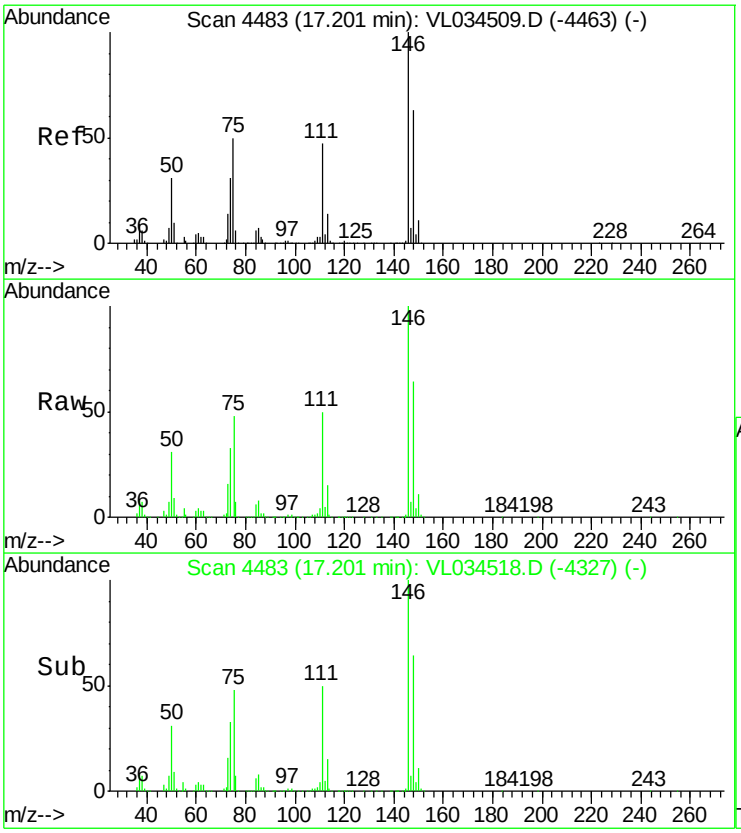
#75
1,3-Dichlorobenzene
Concen: 7.186 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:146 Resp: 1626303

Ion	Ratio	Lower	Upper
146	100		
111	49.2	25.1	75.3
148	64.5	33.0	99.0

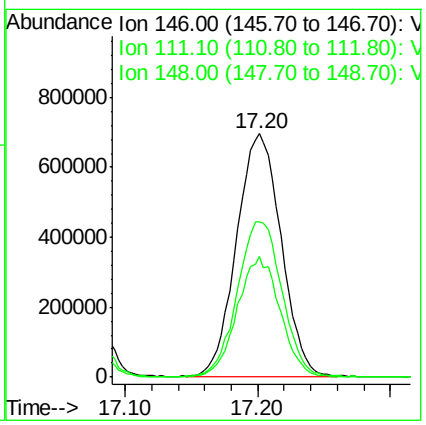


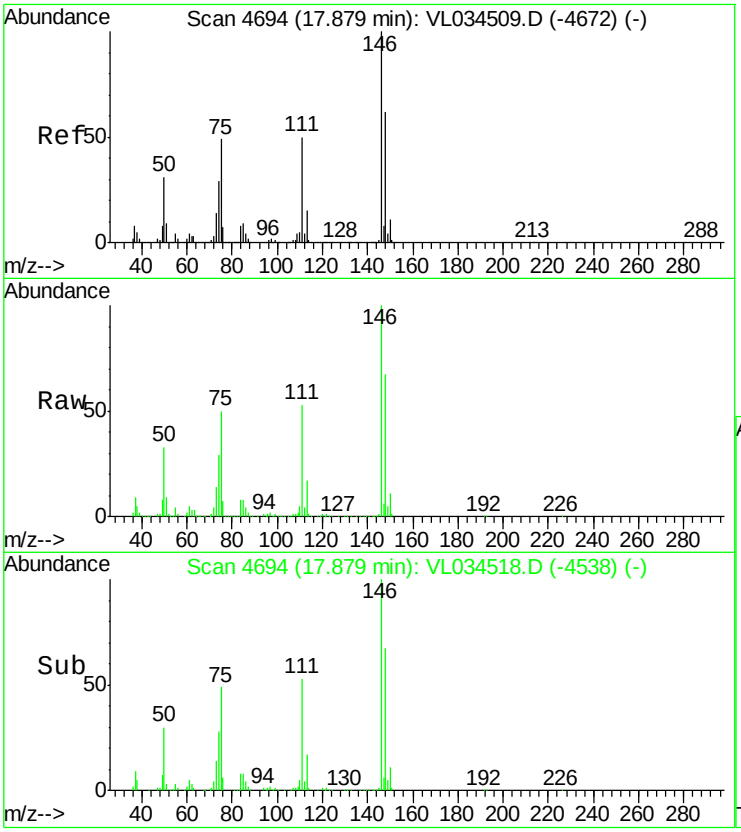


#76
1,4-Dichlorobenzene
Concen: 7.420 ppbv
RT: 17.20 min Scan# 4483
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:146 Resp: 1616813

Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.5	70.6
148	64.8	32.1	96.3



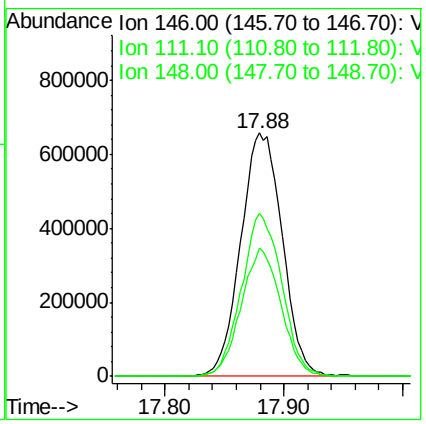


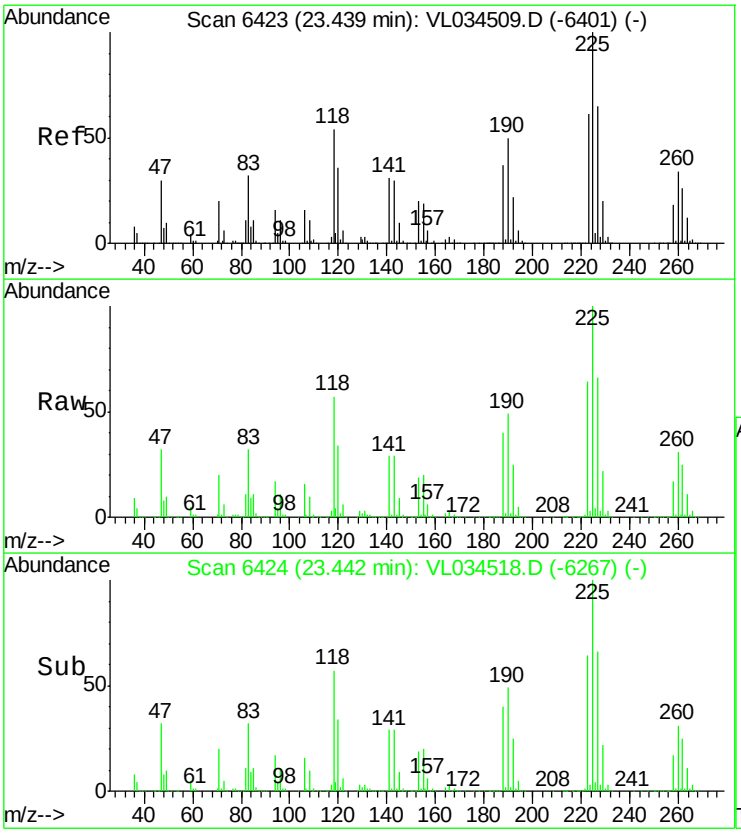
#77
1,2-Dichlorobenzene
Concen: 7.464 ppbv
RT: 17.88 min Scan# 4694
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:146 Resp: 1587597

Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.3	75.8
148	65.0	32.1	96.3

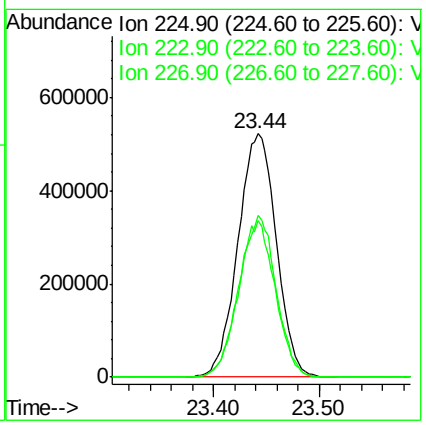


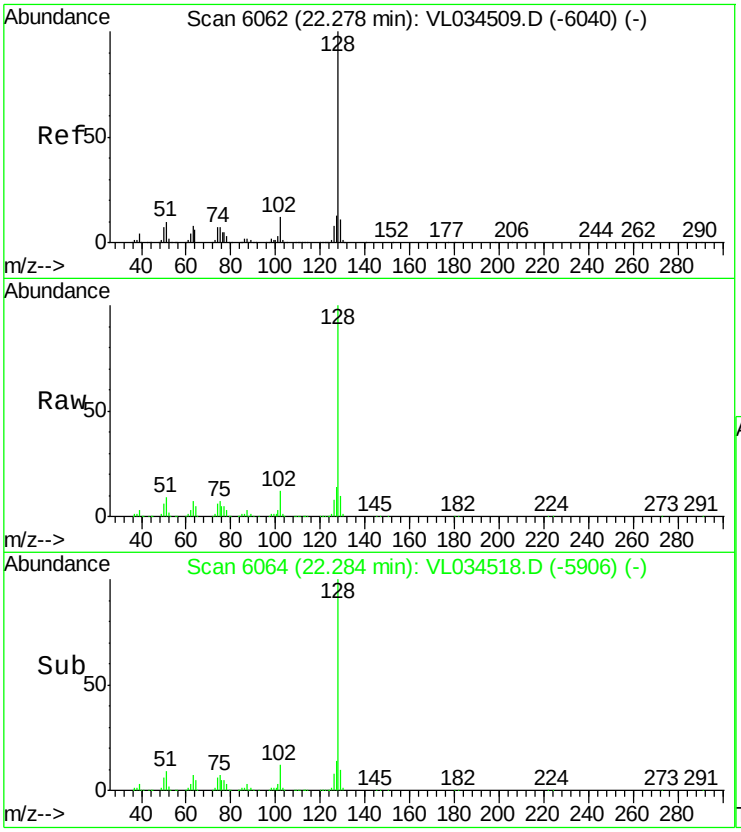


#78
Hexachloro-1,3-Butadiene
Concen: 6.549 ppbv
RT: 23.44 min Scan# 6424
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:225 Resp: 1322266

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	64.2	51.8	77.6



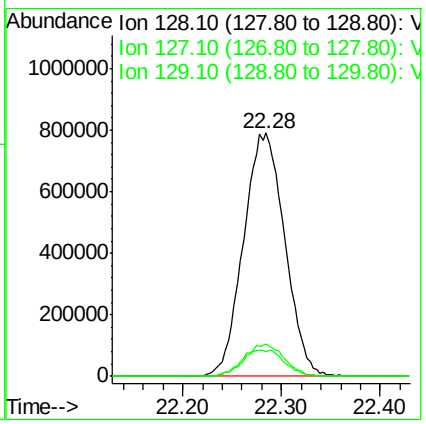


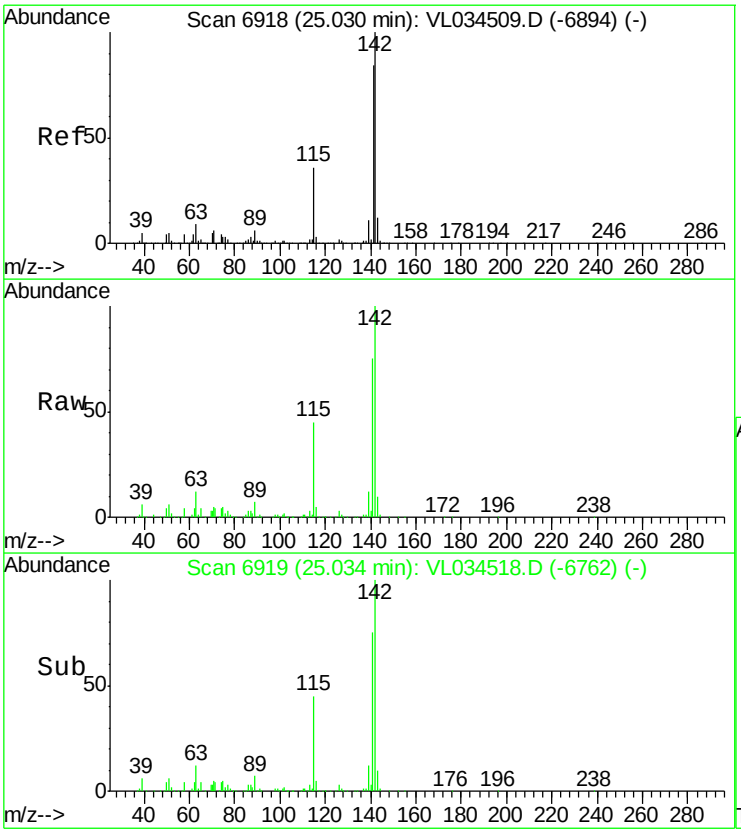
#79
Naphthalene
Concen: 8.037 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument : MSVOA_L
ClientSampleId : VL1230ABS01

Tgt Ion:128 Resp: 2287449

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.1	8.7	13.1

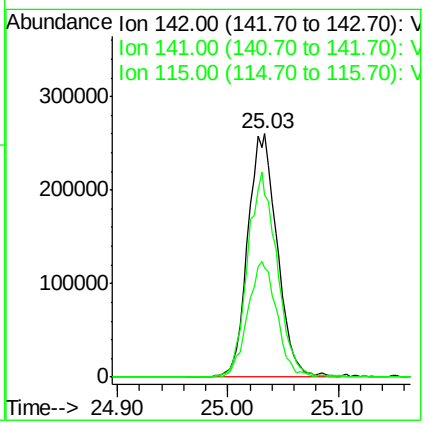


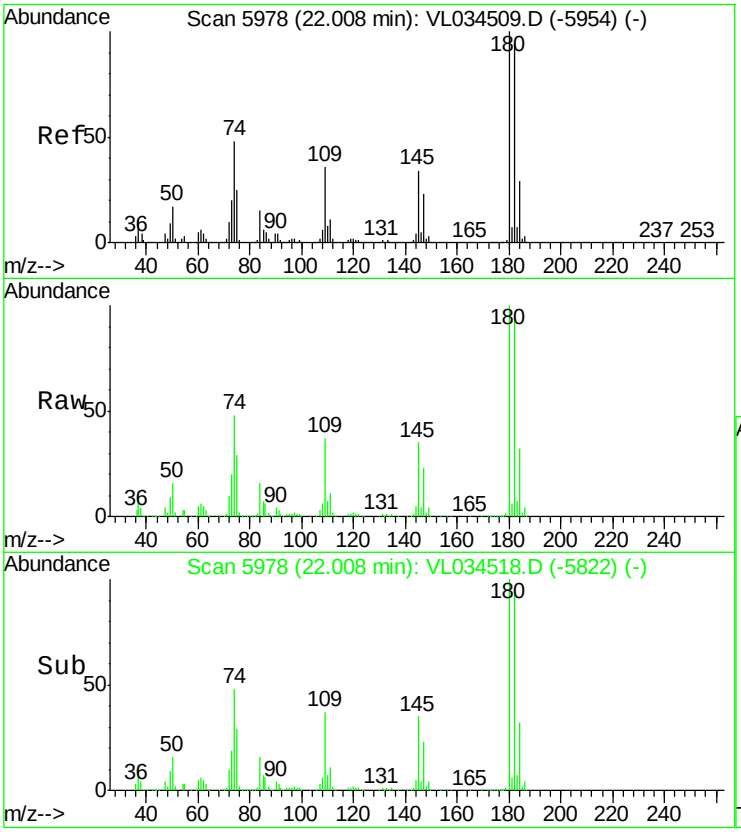


#80
Naphthalene,2-methyl-
Concen: 6.093 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Tgt Ion:142 Resp: 480354

Ion	Ratio	Lower	Upper
142	100		
141	85.1	65.8	98.8
115	47.3	30.4	45.6#





#81
1,2,4-Trichlorobenzene
Concen: 7.151 ppbv
RT: 22.01 min Scan# 5978
Delta R.T. 0.00 min
Lab File: VL034518.D
Acq: 30 Dec 2019 18:31

Instrument :
MSVOA_L
ClientSampleId :
VL1230ABS01

Tgt Ion:180 Resp: 1325086

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.8	116.8
184	31.2	25.2	37.8