Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034129.D
Acq On : 5 Sep 2019 10:11
Operator : SY/AP
Sample : VL0905ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Quant Time: Sep 06 04:10:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1075605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2029335	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2563023	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1757041	8.39	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1682283	9.482	ppbv	99
3) Chlorodifluoromethane	2.98	51	1102877	9.198	ppbv	99
4) Chloromethane	3.13	50	713915	9.524	ppbv	97
5) Vinyl Chloride	3.25	62	621133	9.097	ppbv	99
6) Bromomethane	3.47	94	309869	9.196	ppbv	93
7) Chloroethane	3.56	64	220871	9.495	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1278862	8.956	ppbv	99
9) Propene	3.00	41	614743	9.164	ppbv	98
10) Heptane	8.19	43	1606598	9.228	ppbv	99
11) Trichlorofluoromethane	3.96	101	1320806	9.129	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	881573	9.107	ppbv	100
13) Ethanol	3.61	45	98397	7.487	ppbv	99
14) Bromoethene	3.74	108	388785	9.277	ppbv	99
15) Acetone	3.86	43	1123882	8.670	ppbv	99
16) 1,3-Butadiene	3.32	39	624866	9.518	ppbv	97
17) tert-Butyl alcohol	4.31	59	784625	8.338	ppbv	100
18) 1,1-Dichloroethene	4.30	96	413393	9.348	ppbv	96
19) Isopropyl Alcohol	3.98	45	696780	7.963	ppbv	100
20) Methylene Chloride	4.36	84	370308	8.640	ppbv	96
21) Allyl Chloride	4.43	41	821121	9.608	ppbv	98
22) trans-1,2-Dichloroethene	4.91	96	408922	9.238	ppbv	99
23) Vinyl Acetate	5.10	43	2084220	9.477	ppbv	99
24) 1,1-Dichloroethane	5.04	63	1335748	9.151	ppbv	98
25) Ethyl Acetate	5.72	43	2490315	8.752	ppbv	100
26) Hexane	5.72	57	1057930	8.362	ppbv	100
27) Carbon Disulfide	4.57	76	1117752	9.790	ppbv	100
28) Methyl tert-Butyl Ether	5.06	73	1688372	9.108	ppbv	100
29) Chloroform	5.80	83	1568557	9.192	ppbv	98
30) Cyclohexane	7.19	84	855492	9.353	ppbv	98
31) cis-1,2-Dichloroethene	5.59	61	1144907	9.450	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	1464270	9.083	ppbv	98
34) 2-Butanone	5.27	43	1787635	9.163	ppbv	99
35) Carbon Tetrachloride	7.07	117	1426683	9.017	ppbv	98
36) Benzene	6.95	78	2100380	9.055	ppbv	97
37) 1,2-Dichloroethane	6.36	62	1332118	9.362	ppbv	99
38) Trichloroethene	7.90	130	673402	7.780	ppbv	94
39) 1,2-Dichloropropane	7.68	63	894448	9.011	ppbv	93
40) 1,4-Dioxane	7.89	88	277939	7.619	ppbv #	97
41) Tetrahydrofuran	6.09	42	1105097	9.448	ppbv	98
42) Bromodichloromethane	7.86	83	1733835	9.349	ppbv	99
43) Methyl Methacrylate	8.08	69	899966	9.418	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034129.D
Acq On : 5 Sep 2019 10:11
Operator : SY/AP
Sample : VL0905ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Quant Time: Sep 06 04:10:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3698703	8.649	ppbv		99
45) t-1,3-Dichloropropene	9.35	75	1183540	10.538	ppbv		97
46) cis-1,3-Dichloropropene	8.78	75	1332329	9.751	ppbv		99
47) 1,1,2-Trichloroethane	9.55	97	827657	9.152	ppbv		96
48) Dibromochloromethane	10.39	129	1312733	9.728	ppbv		99
49) Bromoform	13.14	173	1130015	9.551	ppbv		99
50) 4-Methyl-2-Pentanone	8.81	43	2603209	8.744	ppbv		99
51) 2-Hexanone	10.21	43	2273678	8.841	ppbv		99
52) Tetrachloroethene	11.31	164	666797	8.152	ppbv		97
53) Toluene	9.88	91	2313780	9.019	ppbv		100
54) 1,2-Dibromoethane	10.70	107	1227188	9.109	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.22	131	836653	7.611	ppbv	#	61
57) Chlorobenzene	12.24	112	1612549	7.314	ppbv		97
58) Ethyl Benzene	12.80	91	3125840	7.437	ppbv		96
59) m/p-Xylene	13.09	91	2606850	7.604	ppbv	#	38
60) o-Xylene	13.79	91	2444148	7.158	ppbv		100
61) Styrene	13.62	104	1936836	7.583	ppbv		99
62) Isopropylbenzene	14.76	105	3175374	7.147	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.77	83	1775378	6.380	ppbv		100
64) n-propylbenzene	15.66	120	836881	7.519	ppbv		97
65) tert-Butylbenzene	16.84	119	2656444	6.928	ppbv		99
66) Benzyl Chloride	17.09	91	1322982	9.358	ppbv		99
67) sec-Butylbenzene	17.40	105	3840805	6.966	ppbv		99
69) p-Isopropyltoluene	17.75	119	3102185	7.032	ppbv		100
70) n-Butylbenzene	18.65	91	3504272	6.981	ppbv		99
71) 2-Chlorotoluene	15.55	91	2651667	7.306	ppbv		99
72) 4-Ethyltoluene	15.94	105	2827306	7.338	ppbv		99
73) 1,3,5-Trimethylbenzene	16.10	105	2697745	7.205	ppbv		100
74) 1,2,4-Trimethylbenzene	16.86	105	2664310	6.910	ppbv	#	93
75) 1,3-Dichlorobenzene	17.10	146	1449195	7.093	ppbv		99
76) 1,4-Dichlorobenzene	17.24	146	1509657	7.050	ppbv		100
77) 1,2-Dichlorobenzene	17.92	146	1452527	6.945	ppbv		98
78) Hexachloro-1,3-Butadiene	23.48	225	958593	6.718	ppbv		99
79) Naphthalene	22.33	128	2567596	7.366	ppbv		98
80) Naphthalene,2-methyl-	25.06	142	1519178	12.555	ppbv		100
81) 1,2,4-Trichlorobenzene	22.06	180	1382329	7.288	ppbv		98

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

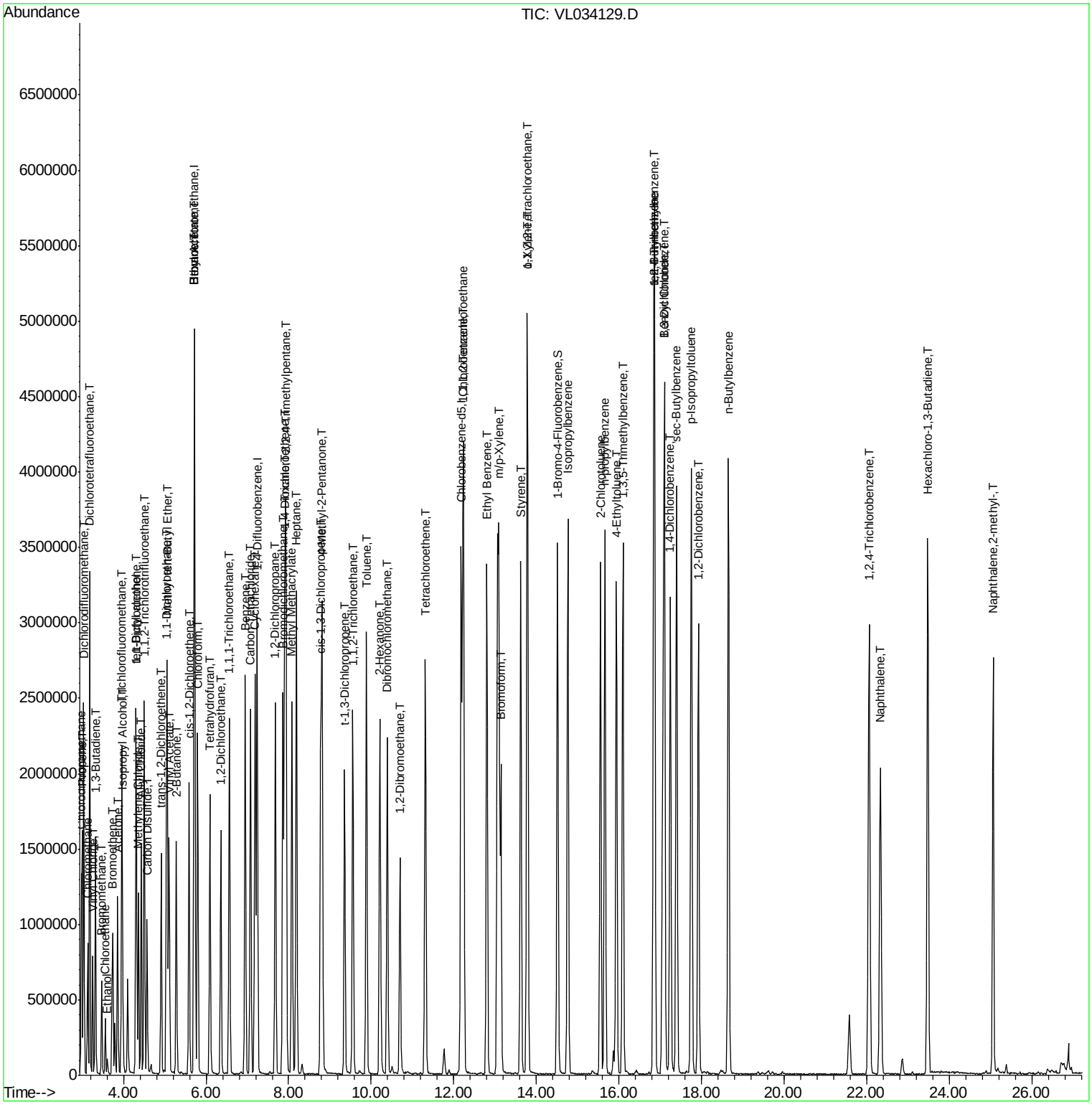
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090519\

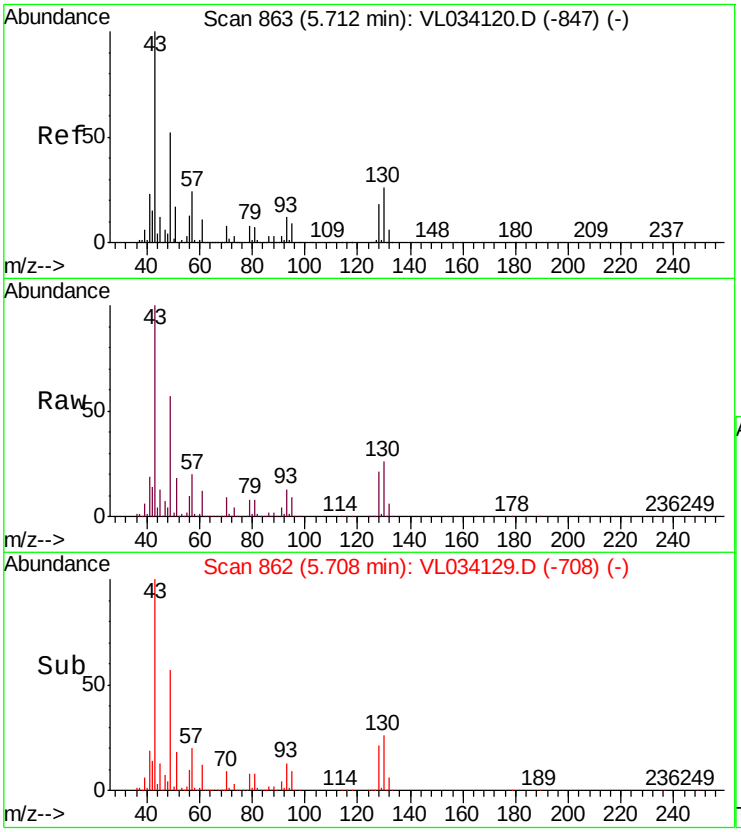
Quantitation Report (Not Reviewed)

Data File : VL034129.D
Acq On : 5 Sep 2019 10:11
Operator : SY/AP
Sample : VL0905ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Quant Time: Sep 06 04:10:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration



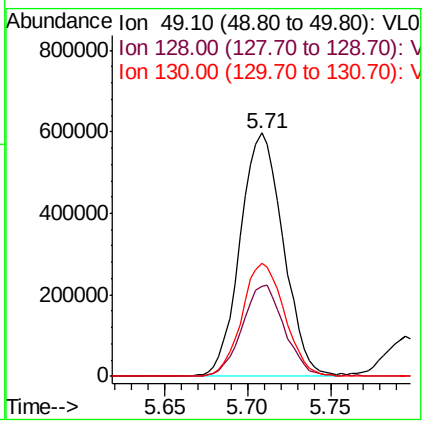


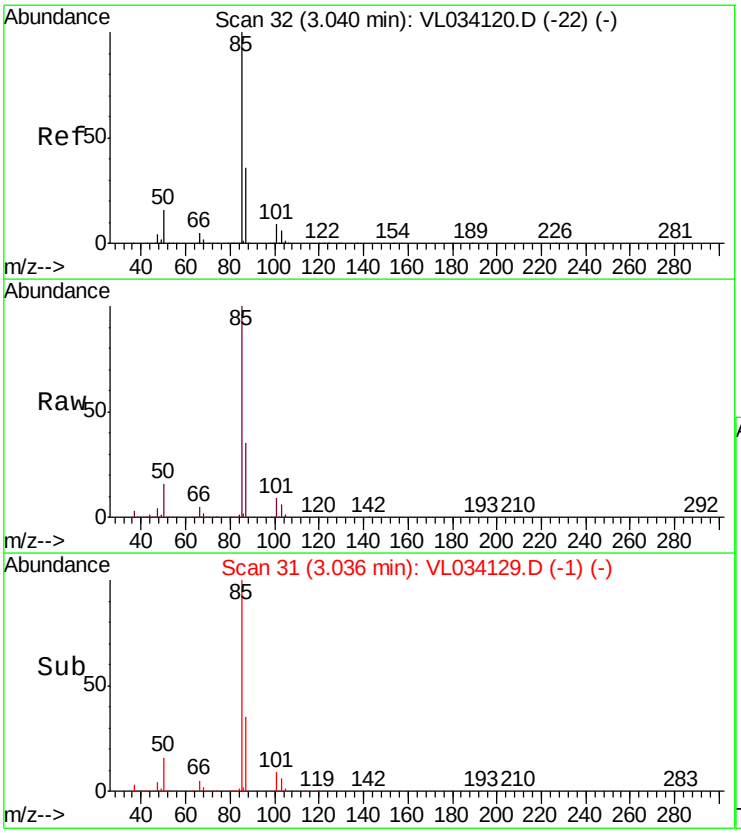
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 49 Resp: 1075605

Ion	Ratio	Lower	Upper
49	100		
128	36.9	18.4	55.0
130	46.3	23.5	70.6

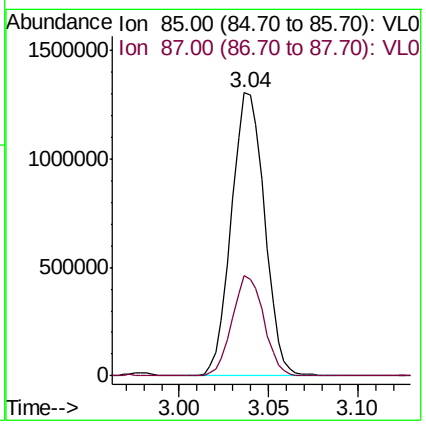


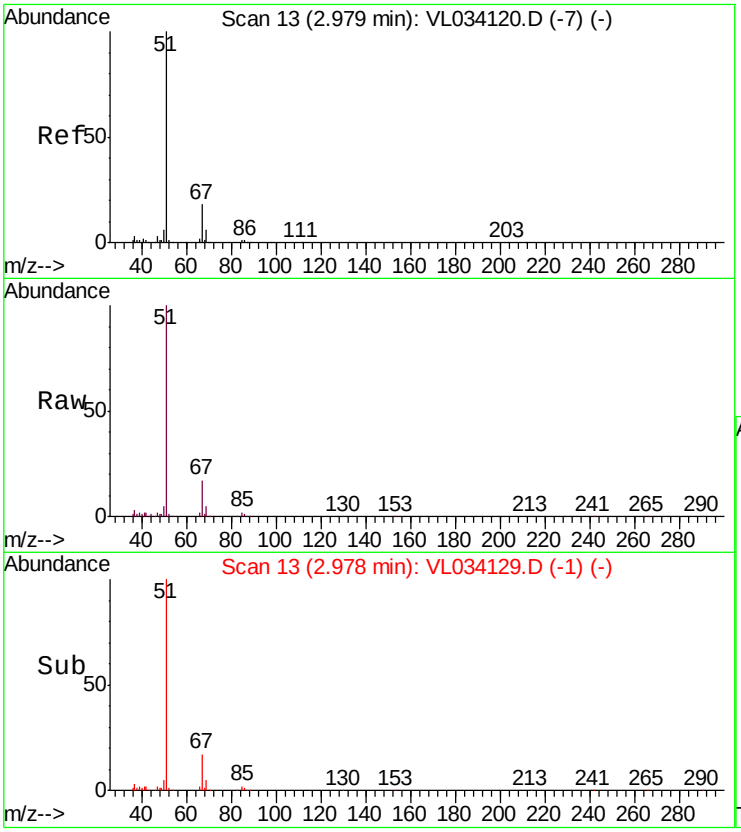


#2
Dichlorodifluoromethane
Concen: 9.482 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 85 Resp: 1682283

Ion	Ratio	Lower	Upper
85	100		
87	35.3	28.6	43.0



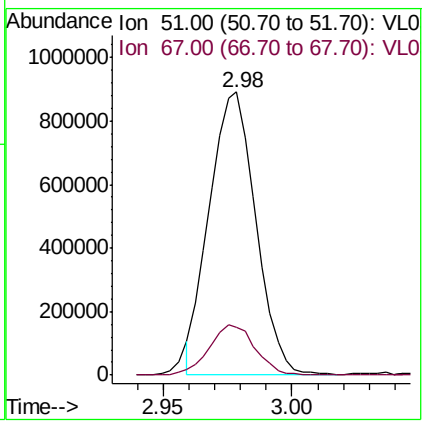


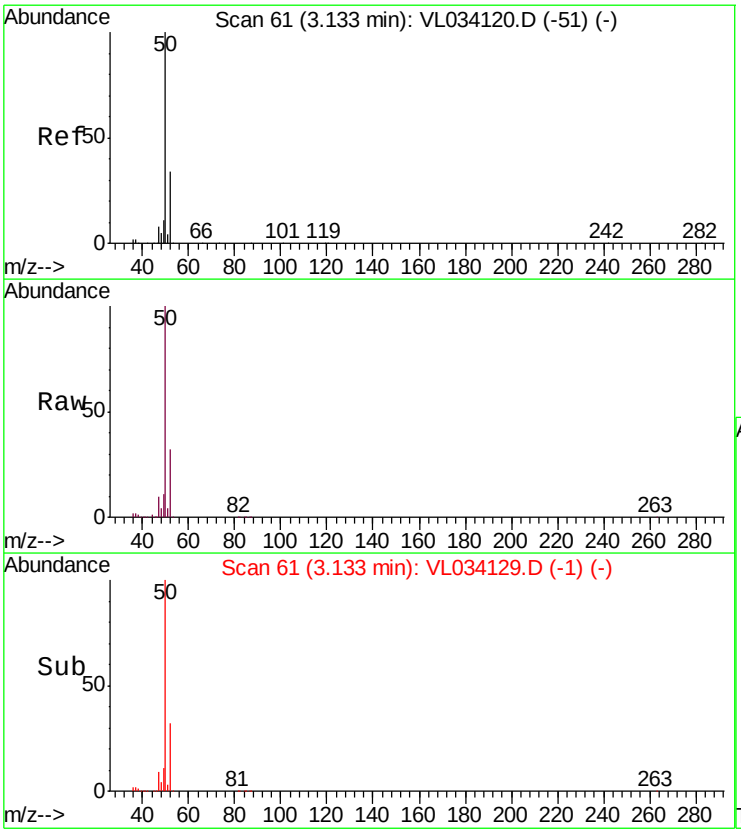
#3
Chlorodifluoromethane
Concen: 9.198 ppbv
RT: 2.98 min Scan# 13
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 51 Resp: 1102877

Ion	Ratio	Lower	Upper
51	100		
67	17.3	14.2	21.4

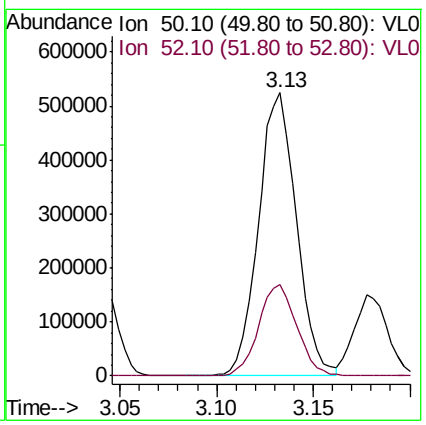


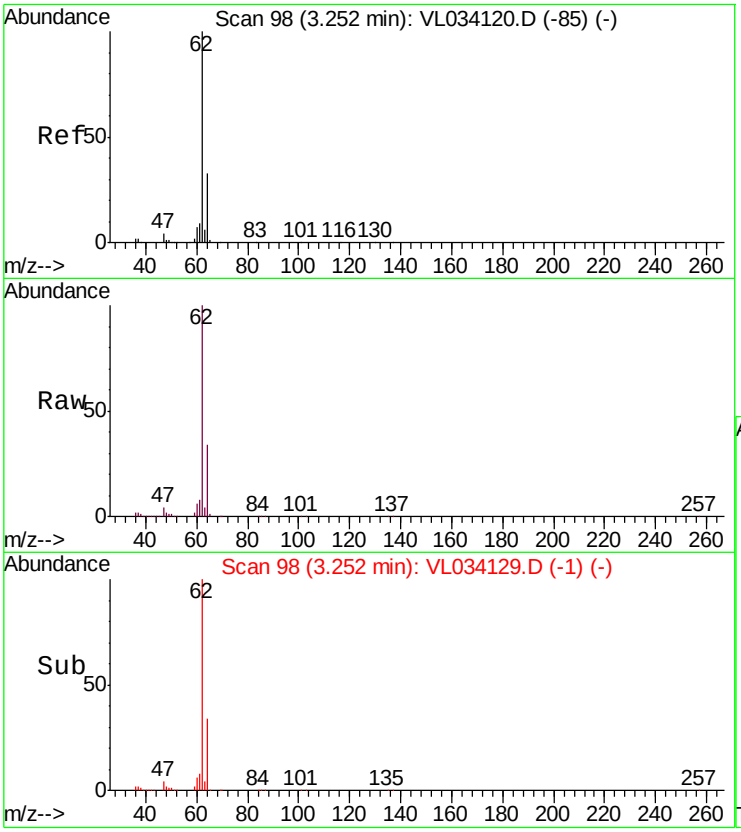


#4
Chloromethane
Concen: 9.524 ppbv
RT: 3.13 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 50 Resp: 713915

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.4	41.2



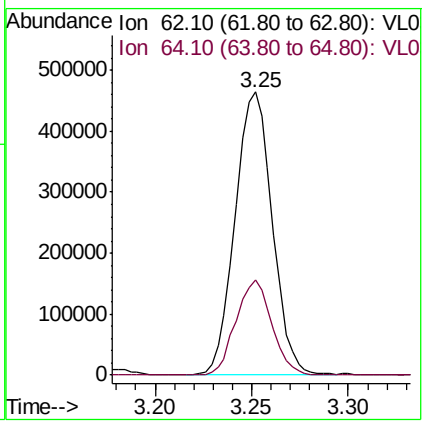


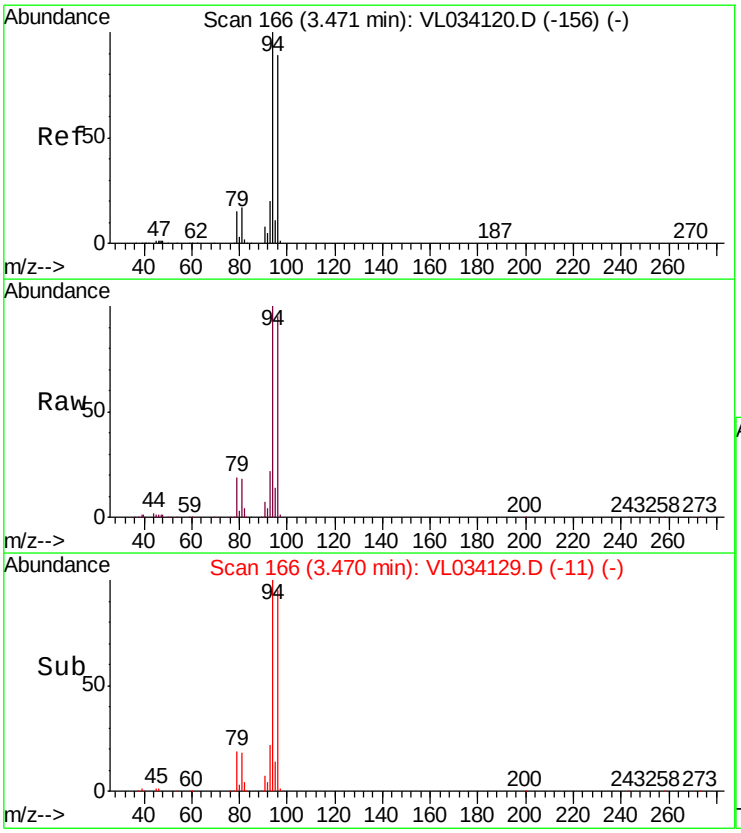
#5
Vinyl Chloride
Concen: 9.097 ppbv
RT: 3.25 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 62 Resp: 621133

Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.6	39.8

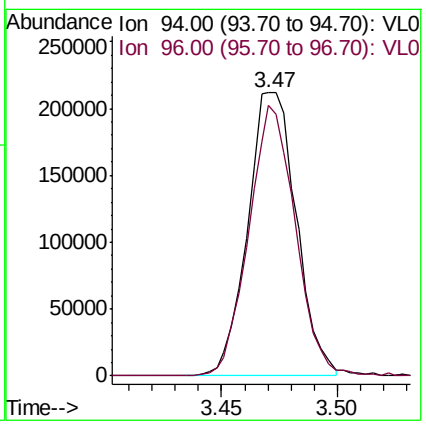


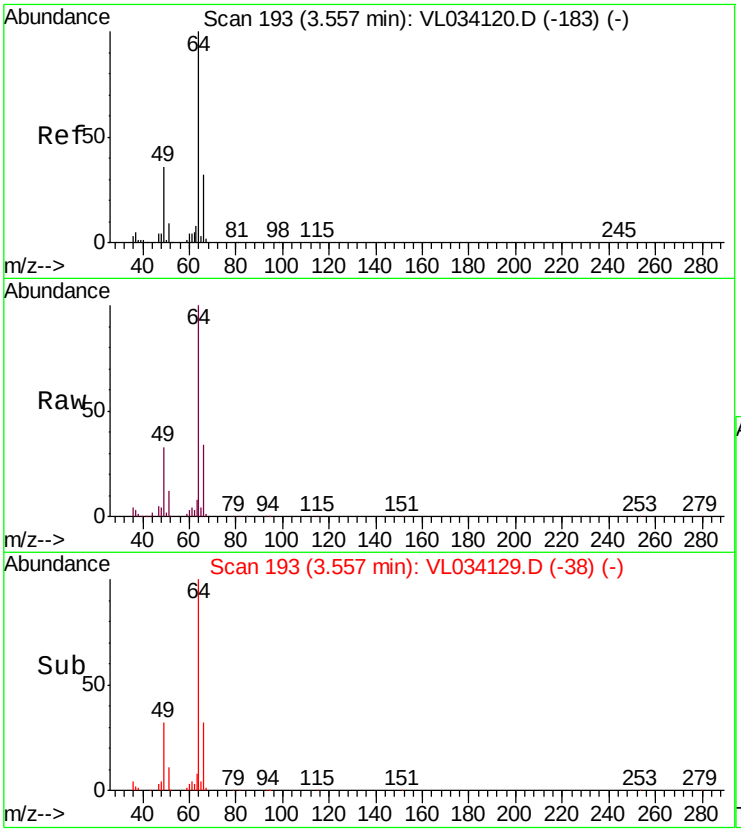


#6
Bromomethane
Concen: 9.196 ppbv
RT: 3.47 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 94 Resp: 309869

Ion	Ratio	Lower	Upper
94	100		
96	95.4	71.4	107.0



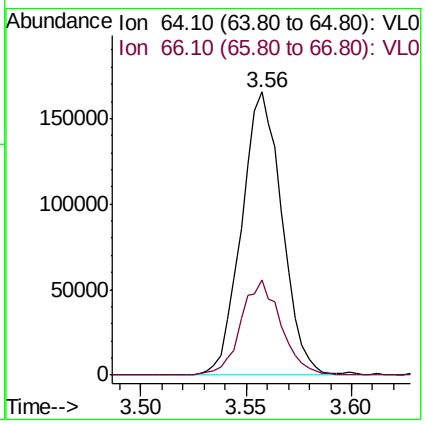


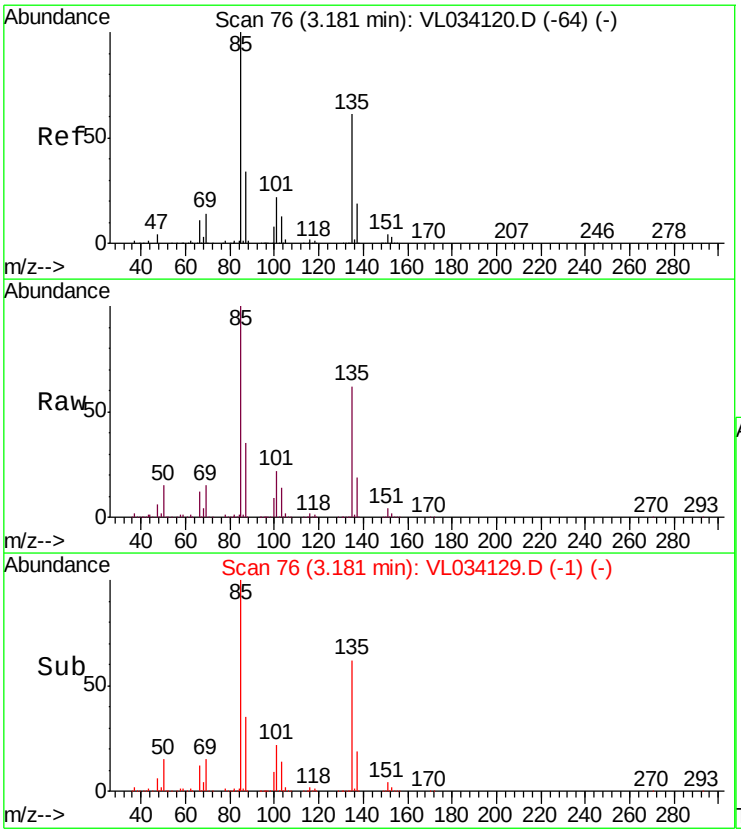
#7
Chloroethane
Concen: 9.495 ppbv
RT: 3.56 min Scan# 193
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 64 Resp: 220871

Ion	Ratio	Lower	Upper
64	100		
66	33.6	25.4	38.2

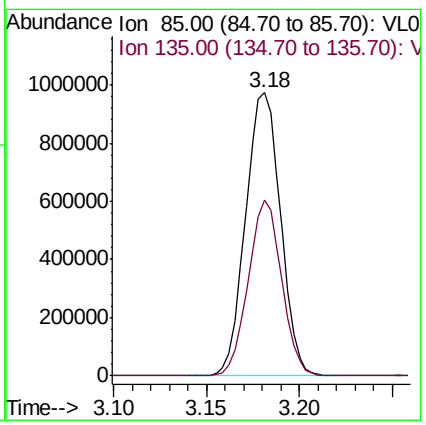


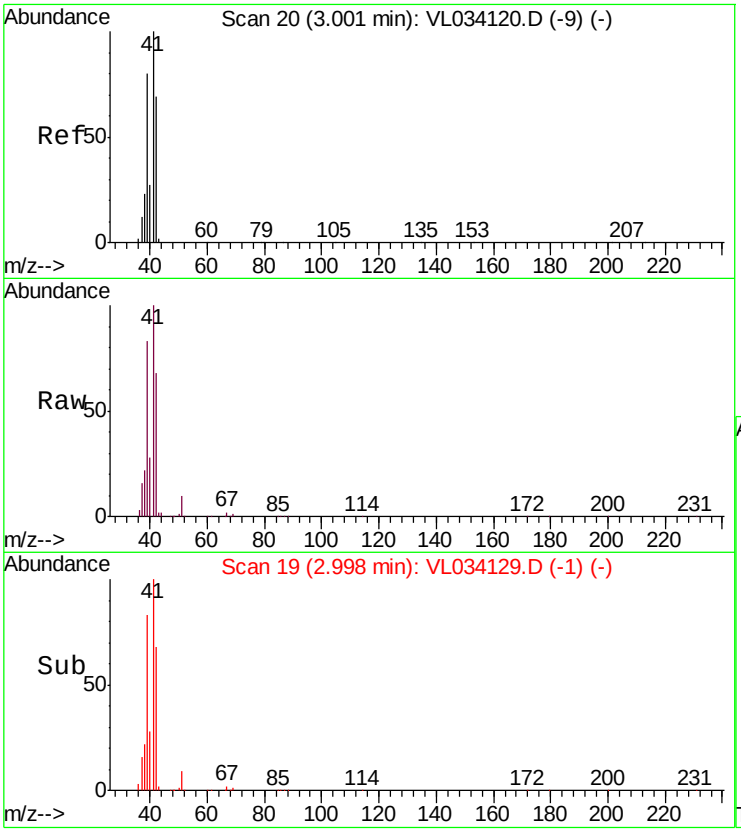


#8
Dichlorotetrafluoroethane
Concen: 8.956 ppbv
RT: 3.18 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 85 Resp: 1278862

Ion	Ratio	Lower	Upper
85	100		
135	59.6	48.0	72.0



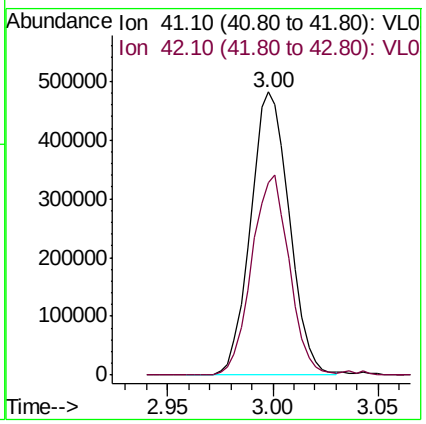


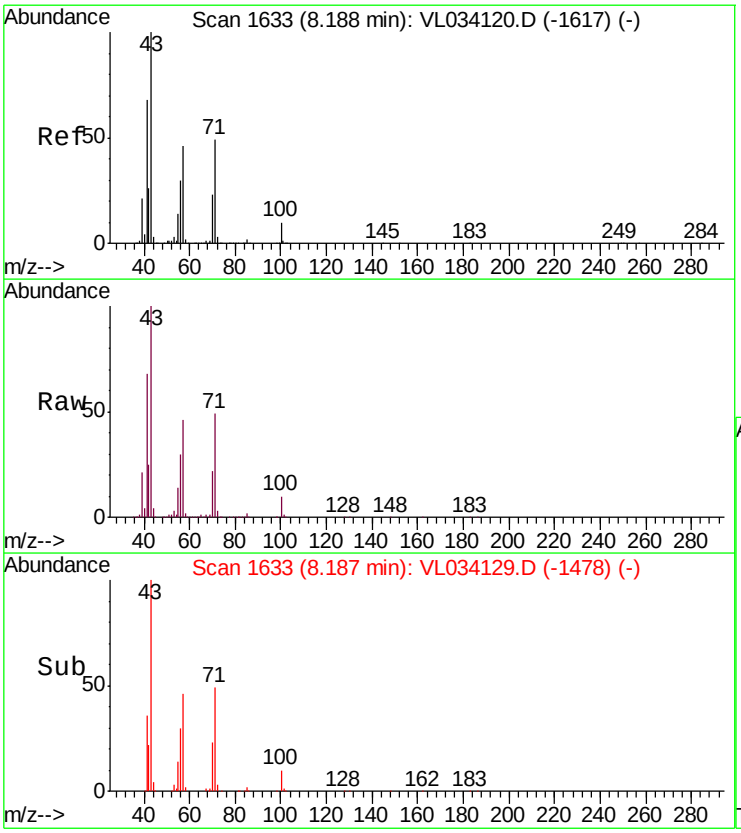
#9
Propene
Concen: 9.164 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 41 Resp: 614743

Ion	Ratio	Lower	Upper
41	100		
42	69.9	54.6	81.8

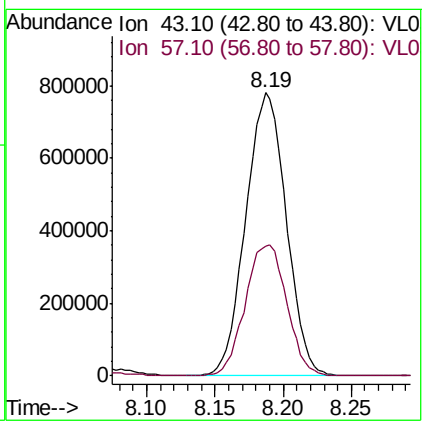


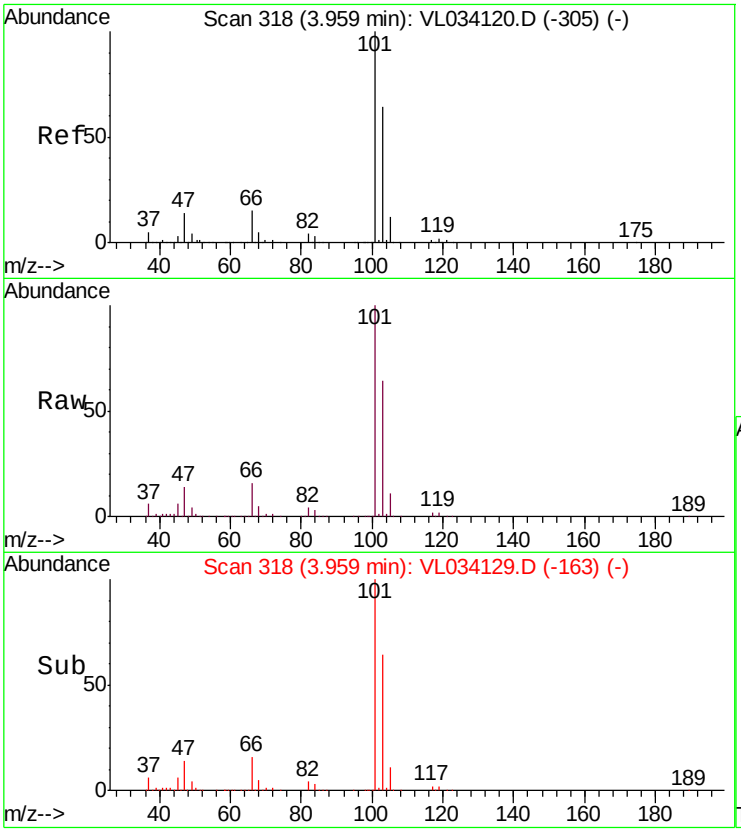


#10
Heptane
Concen: 9.228 ppbv
RT: 8.19 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 43 Resp: 1606598

Ion	Ratio	Lower	Upper
43	100		
57	47.2	38.1	57.1



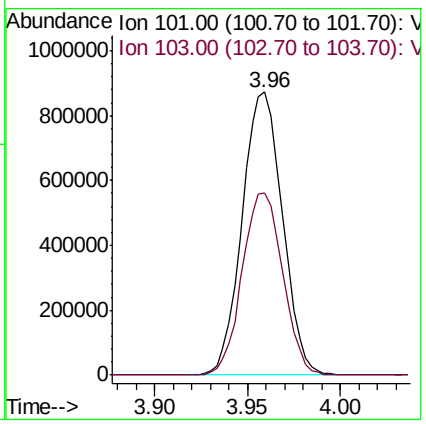


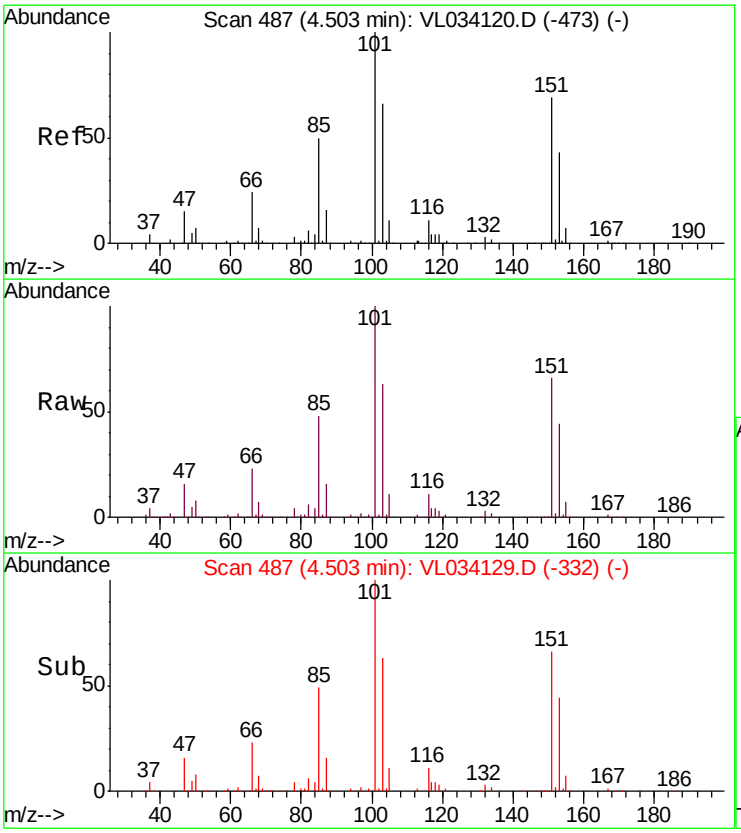
#11
Trichlorofluoromethane
Concen: 9.129 ppbv
RT: 3.96 min Scan# 318
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:101 Resp: 1320806

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

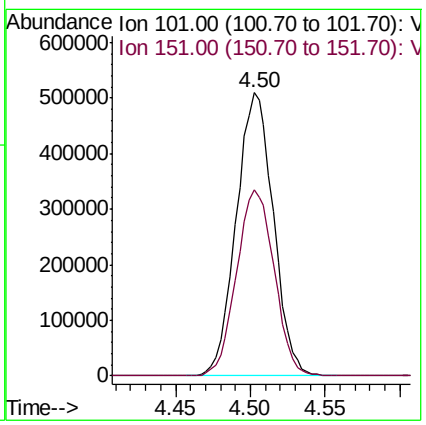


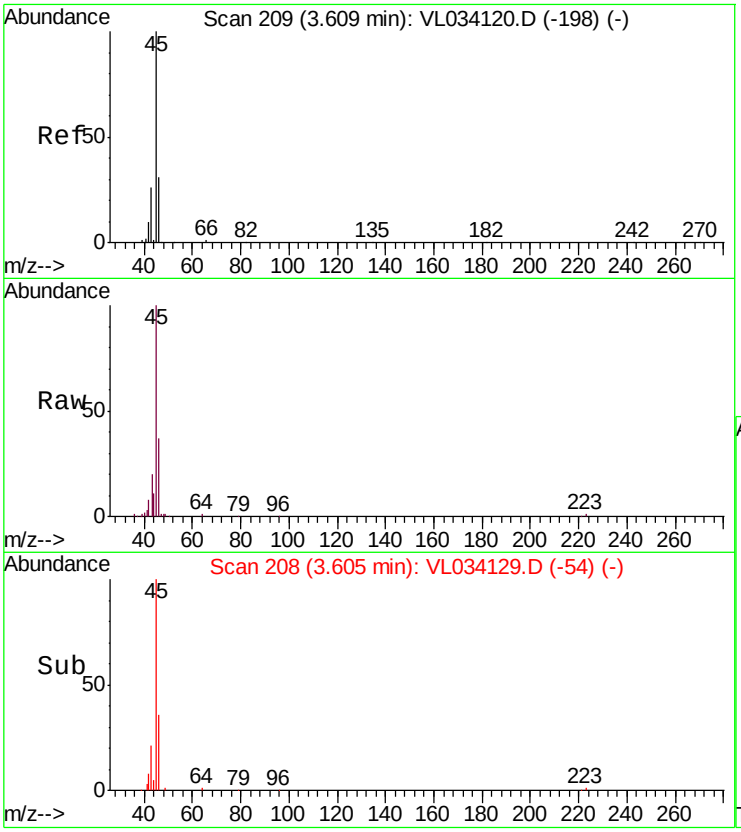


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.107 ppbv
RT: 4.50 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:101 Resp: 881573

Ion	Ratio	Lower	Upper
101	100		
151	66.6	53.0	79.6



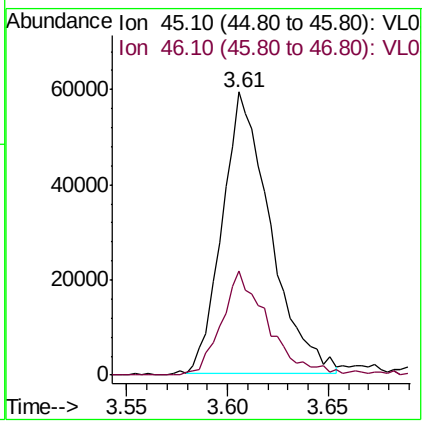


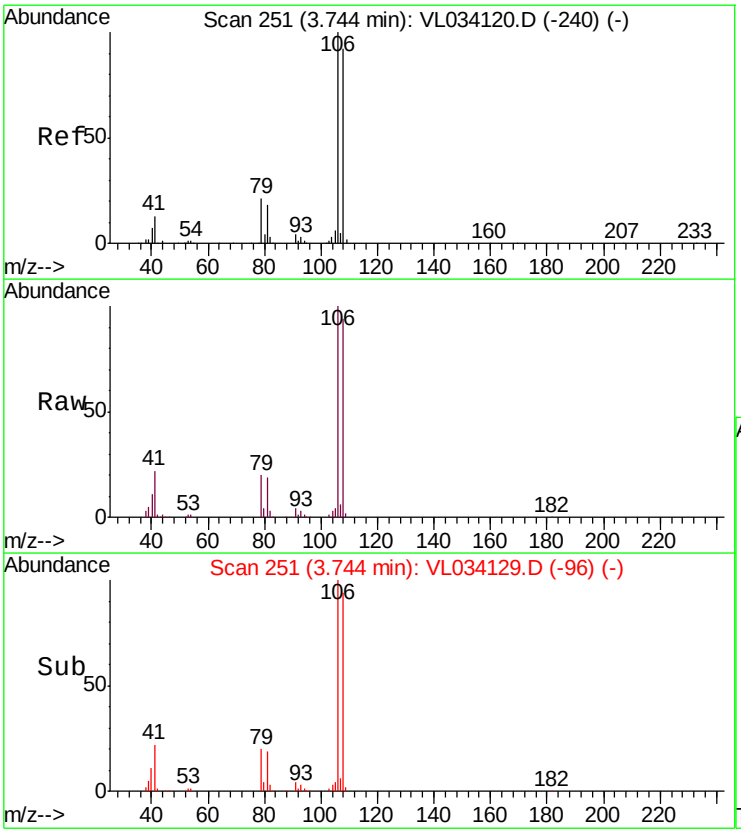
#13
Ethanol
Concen: 7.487 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 45 Resp: 98397

Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.0	60.0

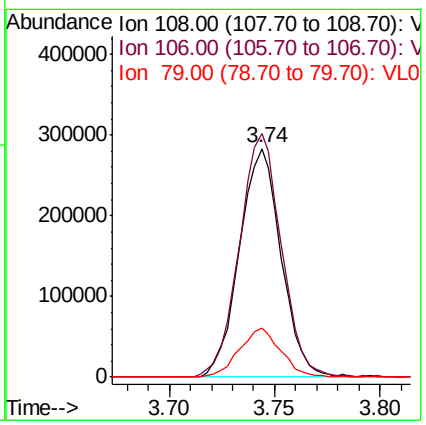


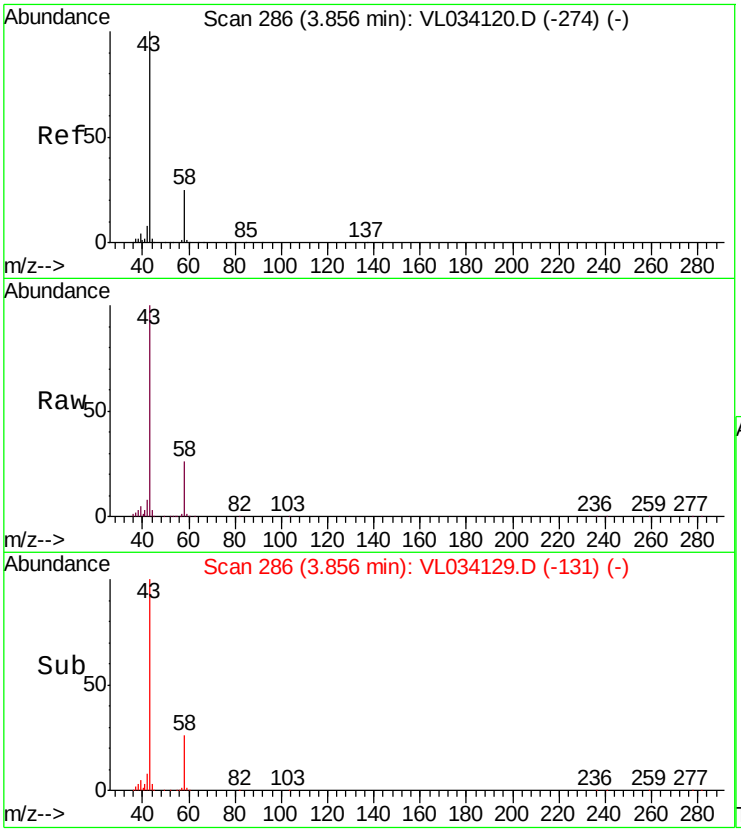


#14
Bromoethene
Concen: 9.277 ppbv
RT: 3.74 min Scan# 251
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:108 Resp: 388785

Ion	Ratio	Lower	Upper
108	100		
106	107.9	87.2	130.8
79	21.5	16.5	24.7



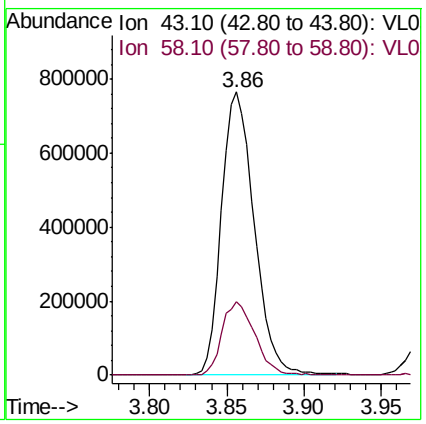


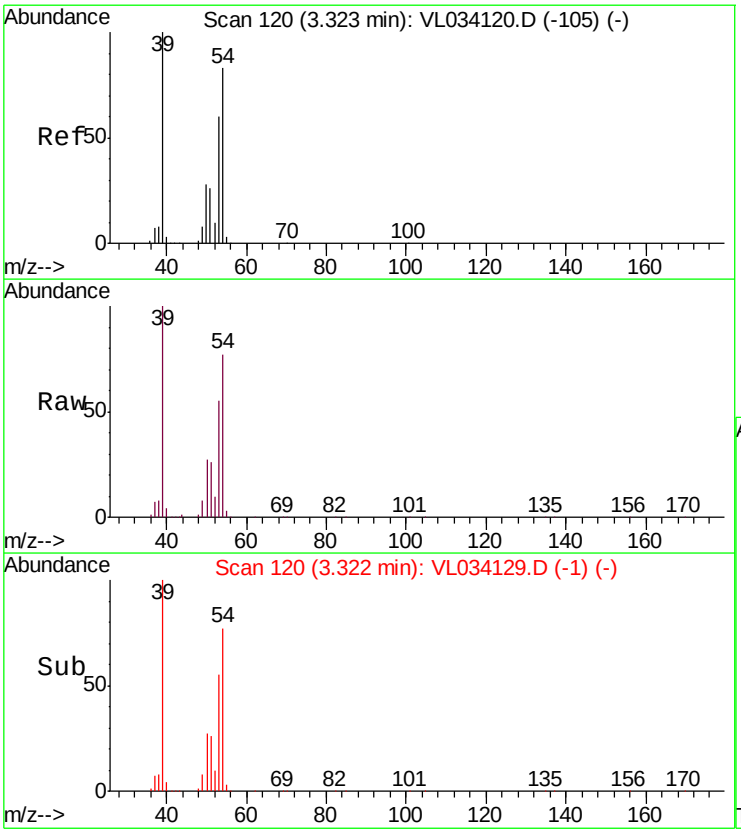
#15
Acetone
Concen: 8.670 ppbv
RT: 3.86 min Scan# 286
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 43 Resp: 1123882

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.6	30.8

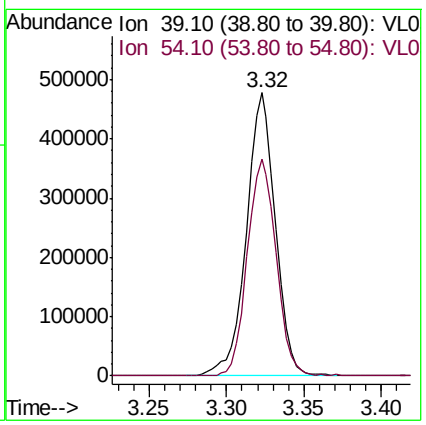


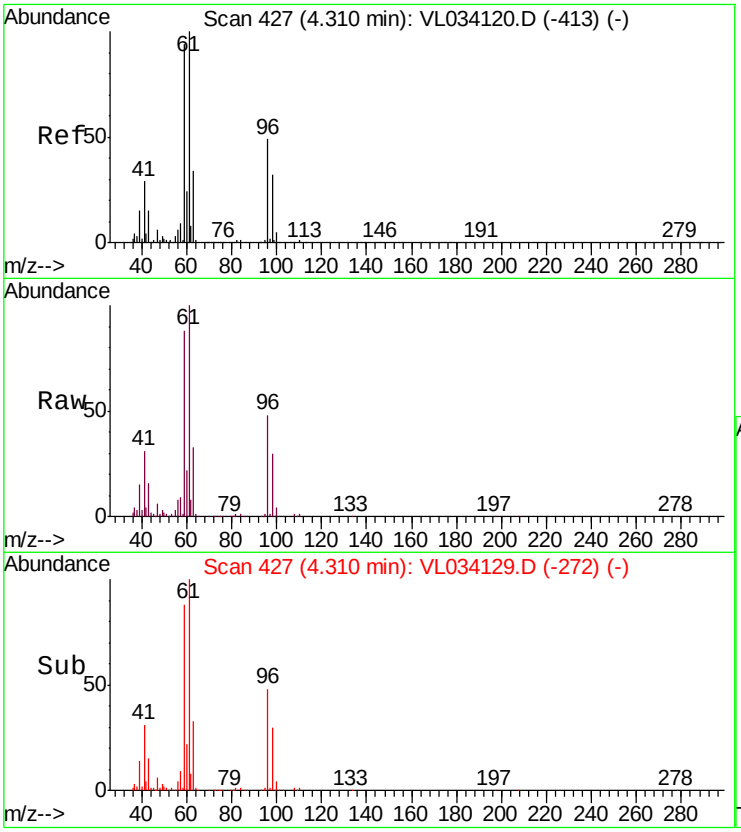


#16
1,3-Butadiene
Concen: 9.518 ppbv
RT: 3.32 min Scan# 120
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 39 Resp: 624866

Ion	Ratio	Lower	Upper
39	100		
54	76.6	63.5	95.3



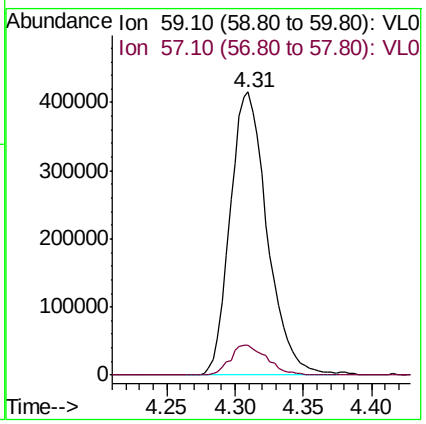


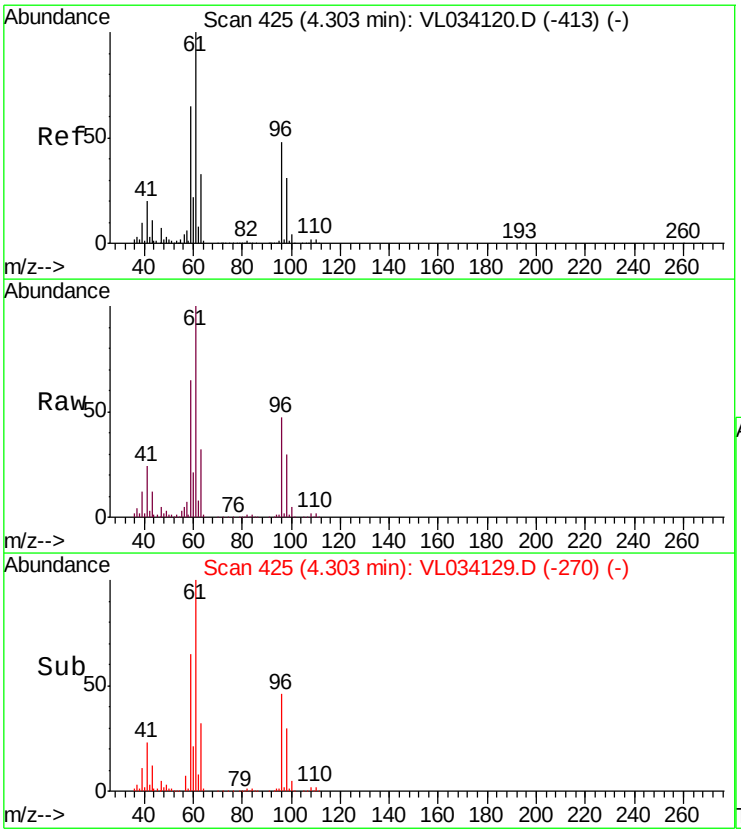
#17
tert-Butyl alcohol
Concen: 8.338 ppbv
RT: 4.31 min Scan# 427
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 59 Resp: 784625

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

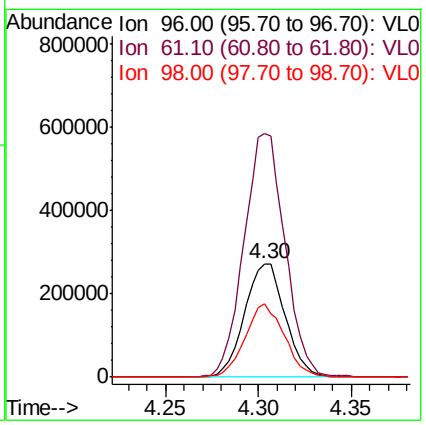


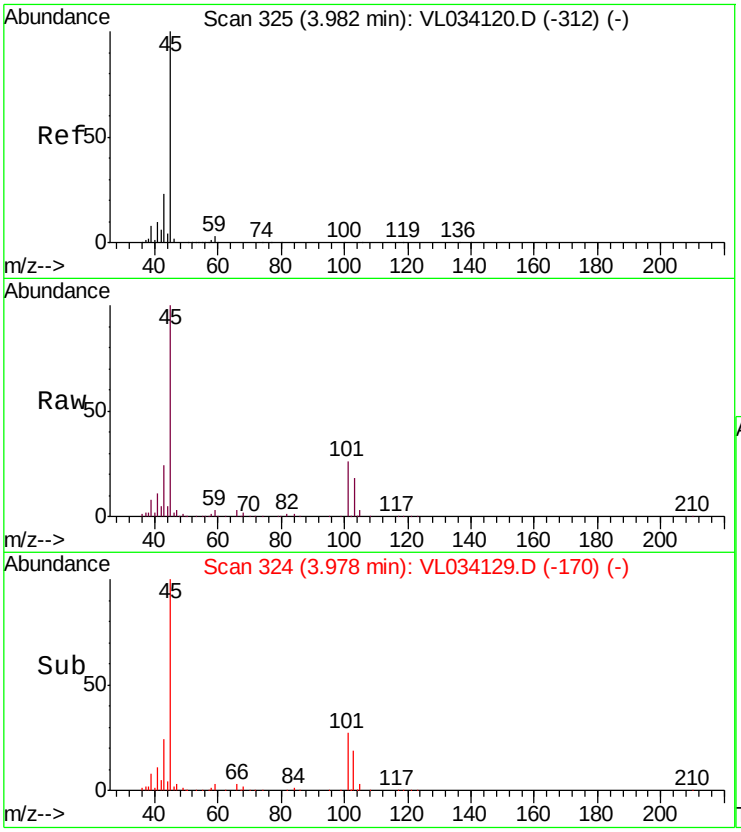


#18
1,1-Dichloroethene
Concen: 9.348 ppbv
RT: 4.30 min Scan# 425
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 96 Resp: 413393

Ion	Ratio	Lower	Upper
96	100		
61	214.9	165.8	248.8
98	65.0	50.8	76.2



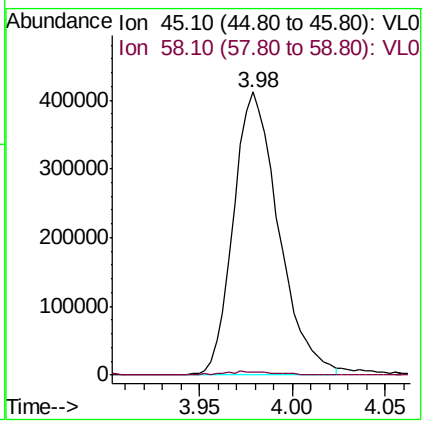


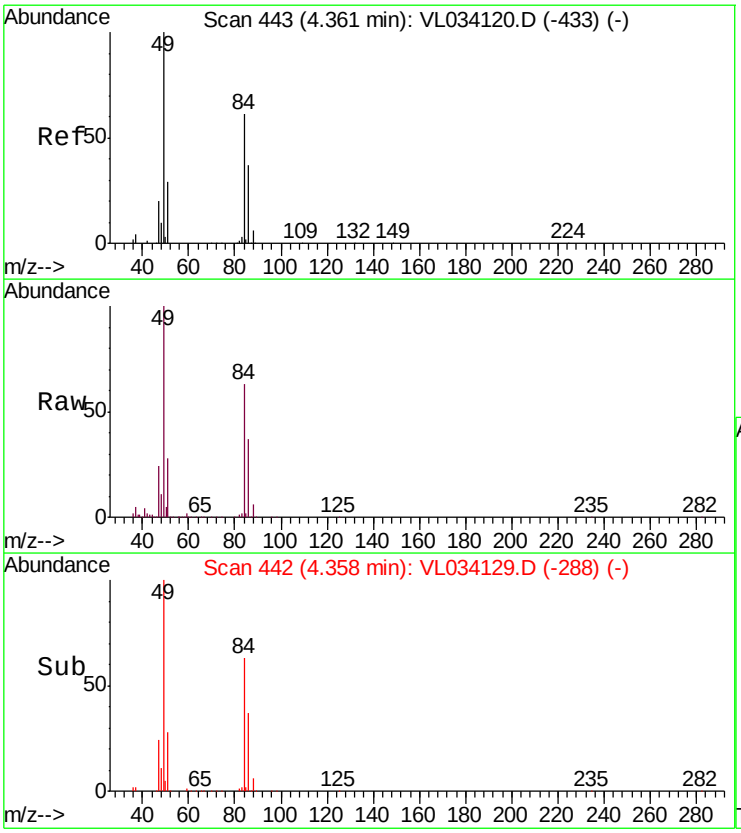
#19
Isopropyl Alcohol
Concen: 7.963 ppbv
RT: 3.98 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 45 Resp: 696780

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.0	1.6

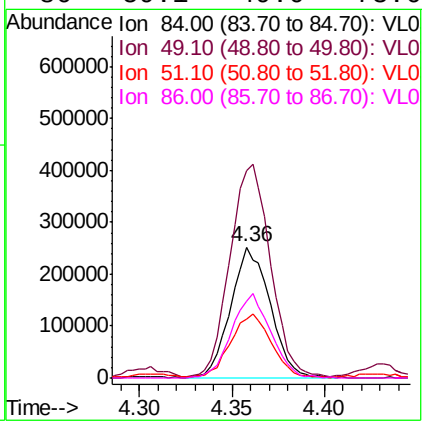


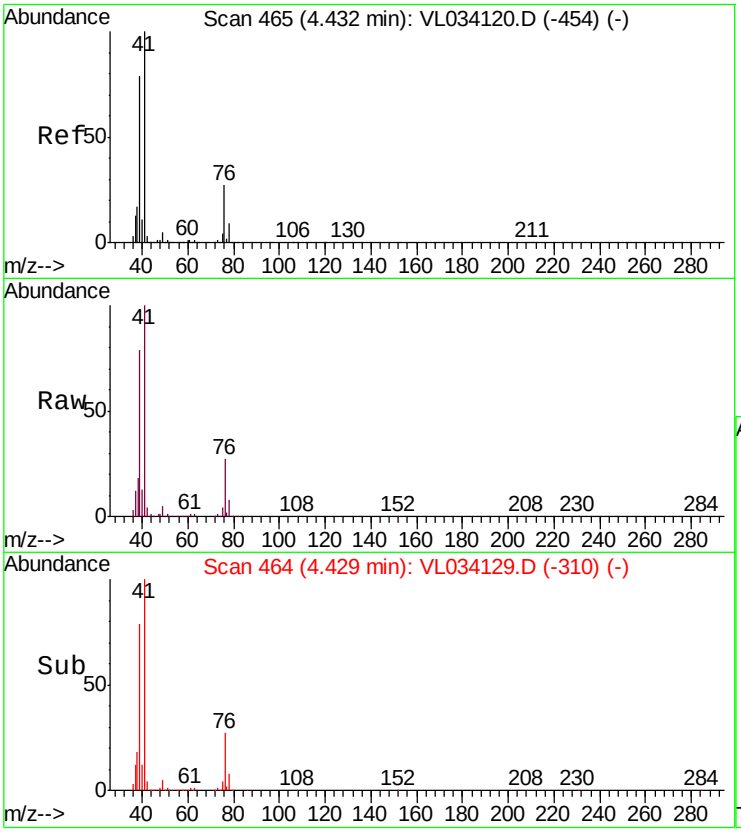


#20
Methylene Chloride
Concen: 8.640 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 84 Resp: 370308

Ion	Ratio	Lower	Upper
84	100		
49	158.0	131.0	196.6
51	44.5	38.1	57.1
86	59.1	49.0	73.6



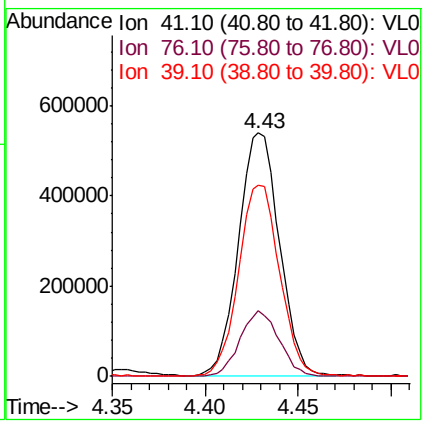


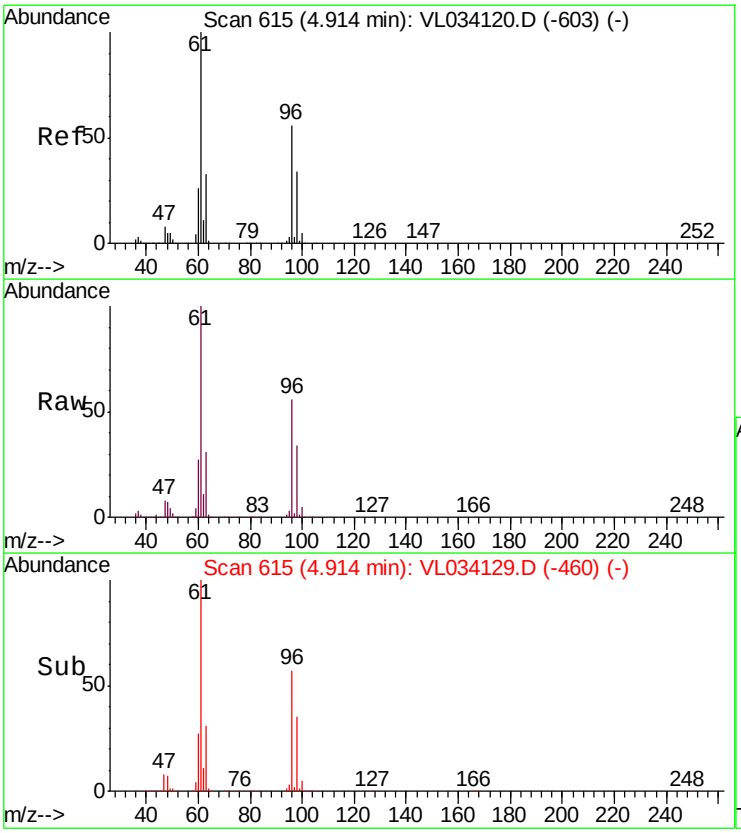
#21
Allyl Chloride
Concen: 9.608 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 41 Resp: 821121

Ion	Ratio	Lower	Upper
41	100		
76	26.1	21.6	32.4
39	79.1	65.0	97.4

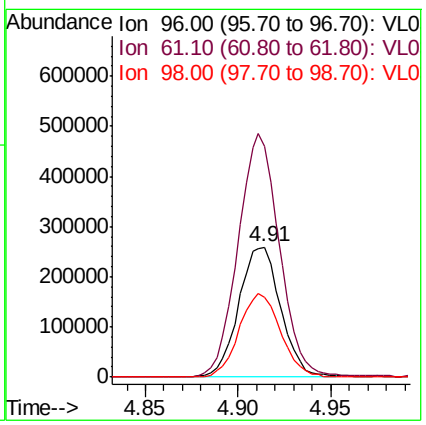


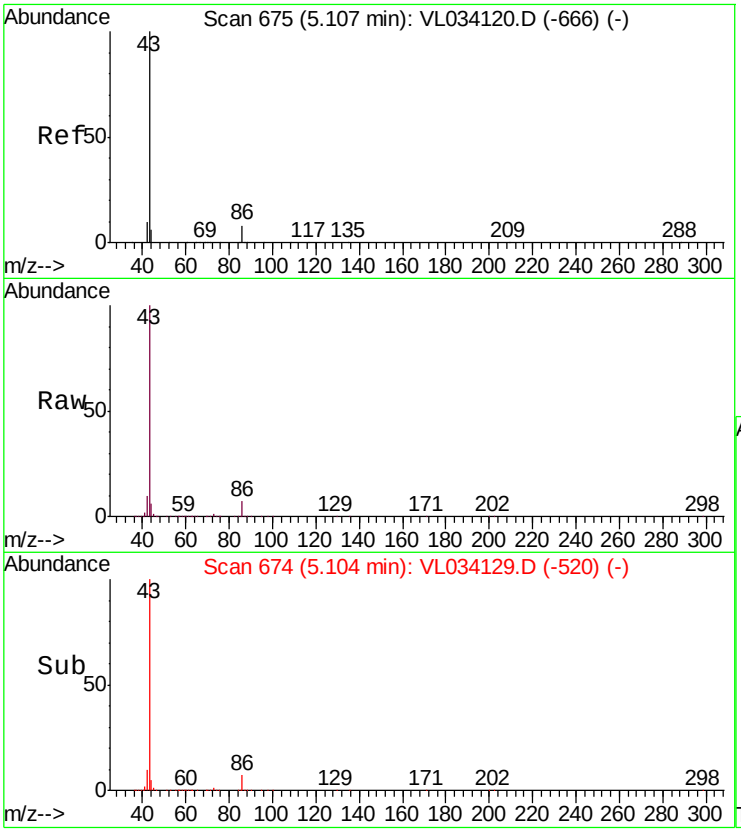


#22
trans-1,2-Dichloroethene
Concen: 9.238 ppbv
RT: 4.91 min Scan# 615
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 96 Resp: 408922

Ion	Ratio	Lower	Upper
96	100		
61	177.0	143.1	214.7
98	61.0	49.0	73.4



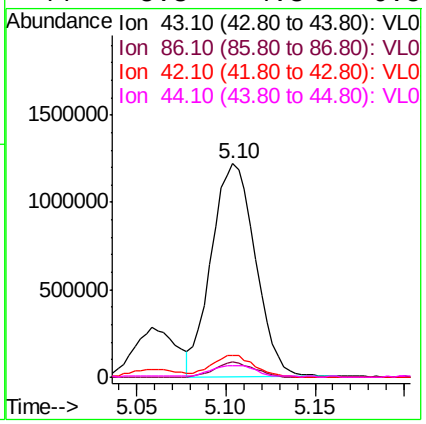


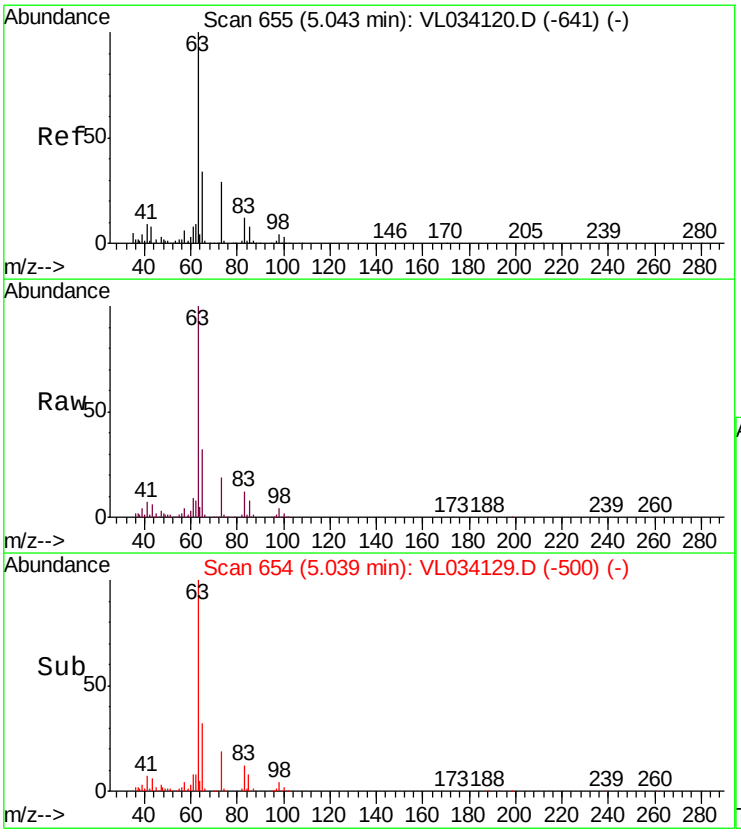
#23
Vinyl Acetate
Concen: 9.477 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 43 Resp: 2084220

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	10.1	8.2	12.4
44	5.3	4.3	6.5

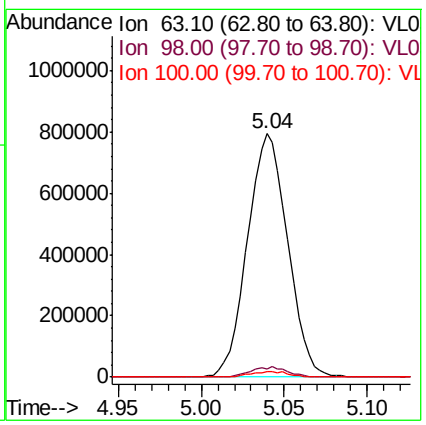


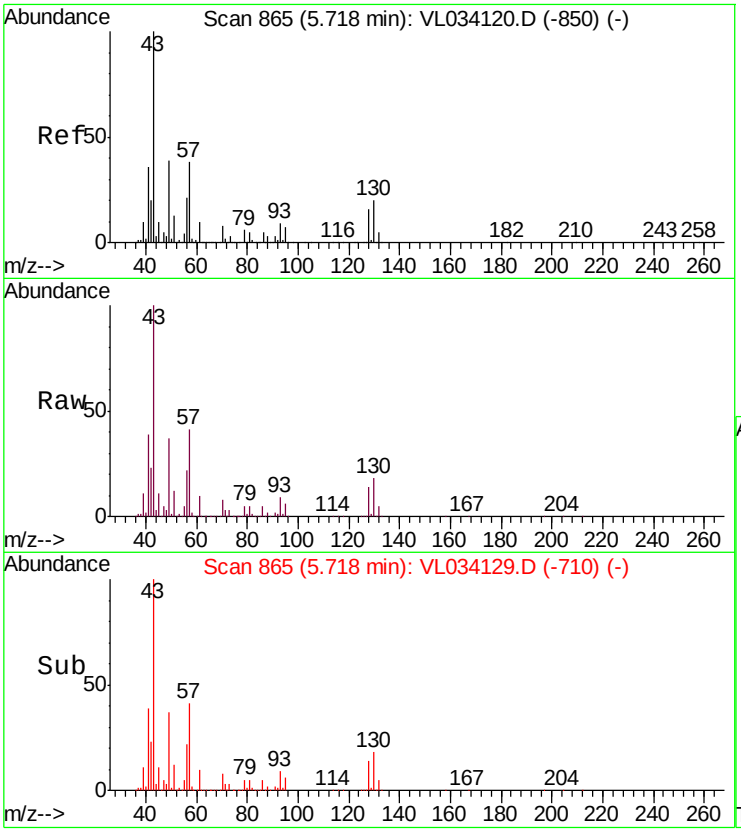


#24
1,1-Dichloroethane
Concen: 9.151 ppbv
RT: 5.04 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 63 Resp: 1335748

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.2
100	2.2	1.4	4.0



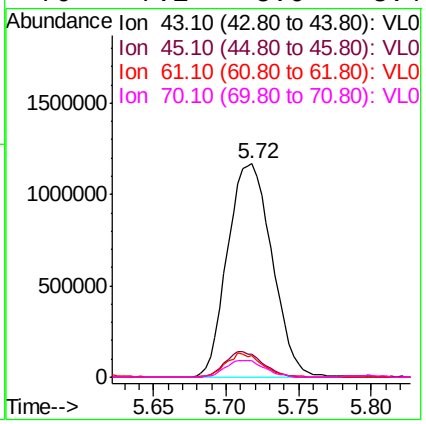


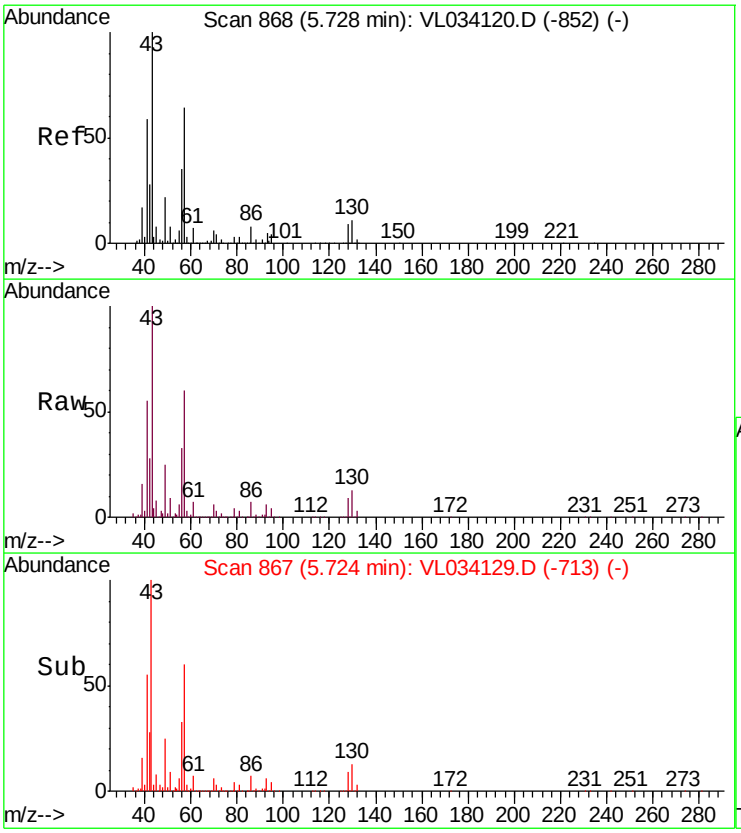
#25
Ethyl Acetate
Concen: 8.752 ppbv
RT: 5.72 min Scan# 865
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 43 Resp: 2490315

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	9.2	7.4	11.2
70	7.1	5.6	8.4

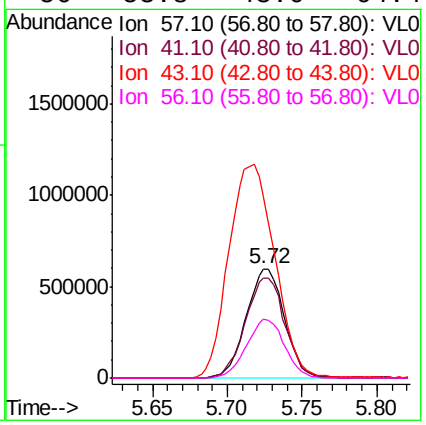


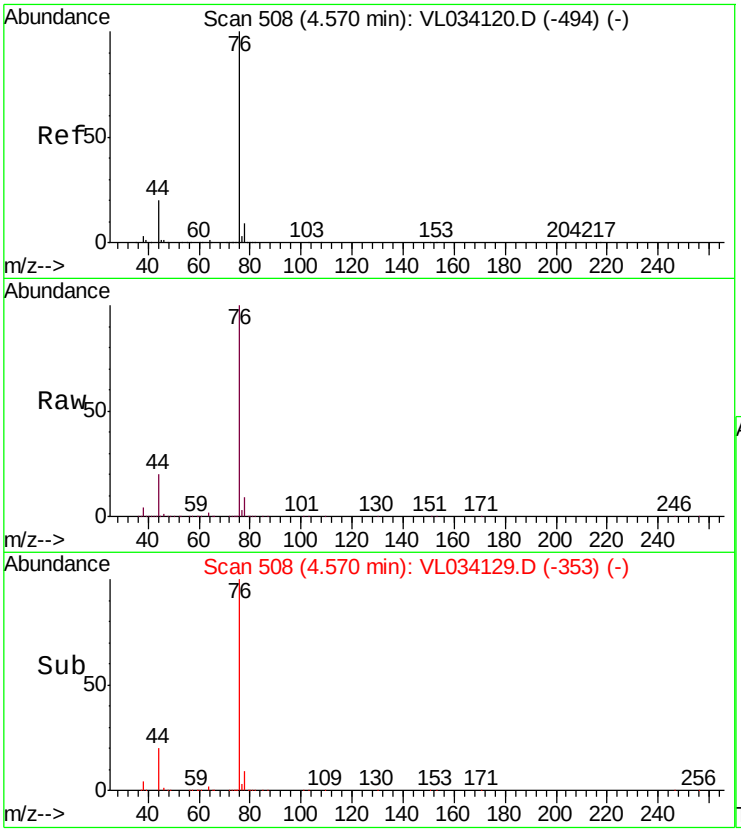


#26
Hexane
Concen: 8.362 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 57 Resp: 1057930

Ion	Ratio	Lower	Upper
57	100		
41	95.0	76.6	115.0
43	237.1	189.2	283.8
56	53.8	43.0	64.4



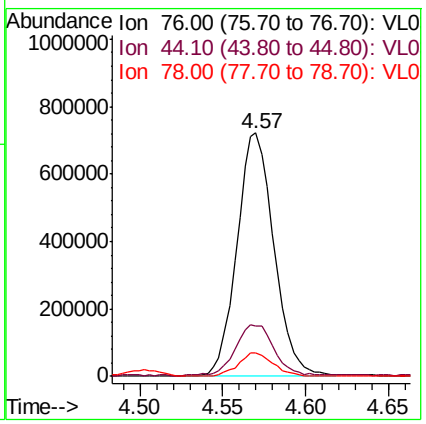


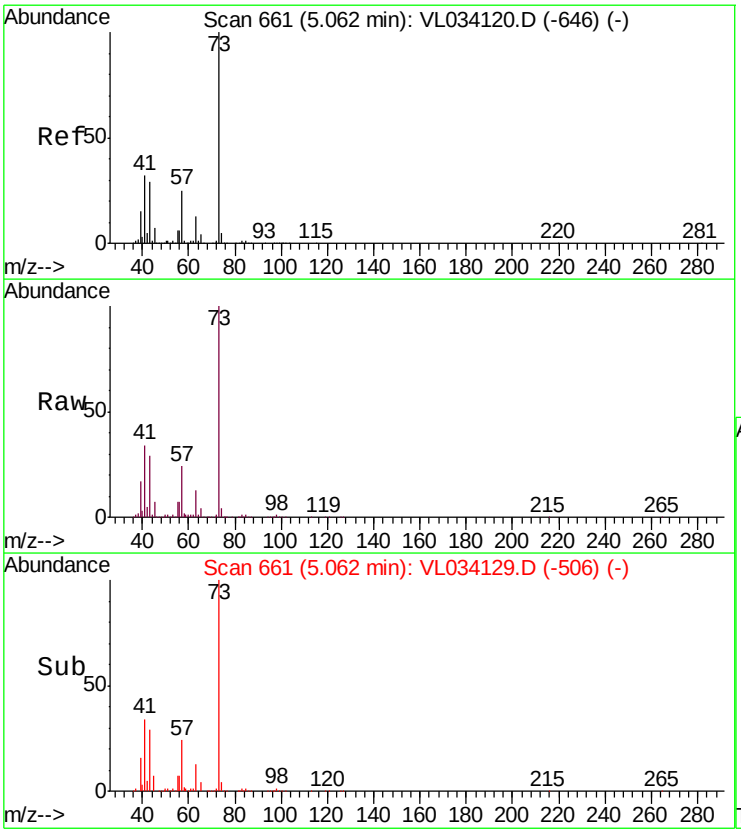
#27
Carbon Disulfide
Concen: 9.790 ppbv
RT: 4.57 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 76 Resp: 1117752

Ion	Ratio	Lower	Upper
76	100		
44	22.0	17.6	26.4
78	9.2	7.3	10.9

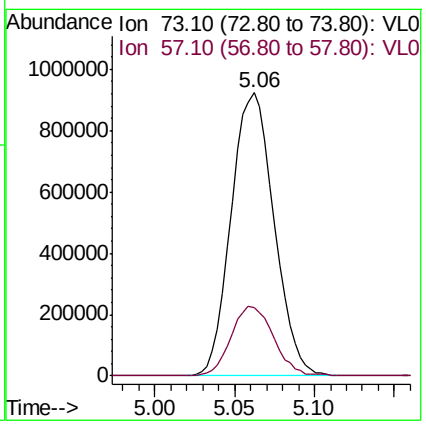


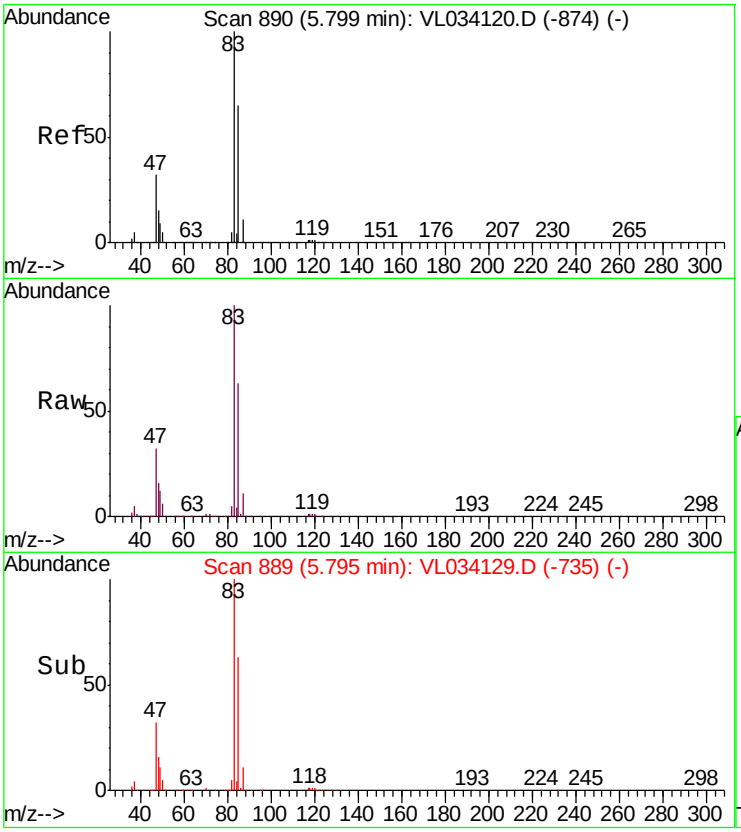


#28
Methyl tert-Butyl Ether
Concen: 9.108 ppbv
RT: 5.06 min Scan# 661
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 73 Resp: 1688372

Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.8	29.8



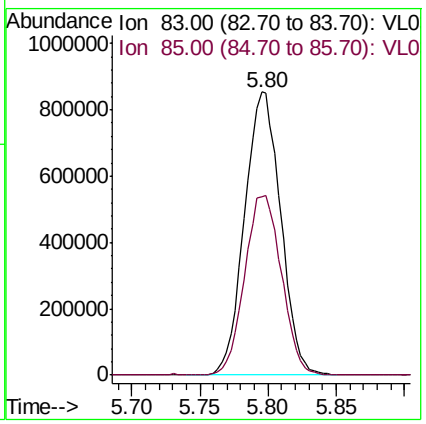


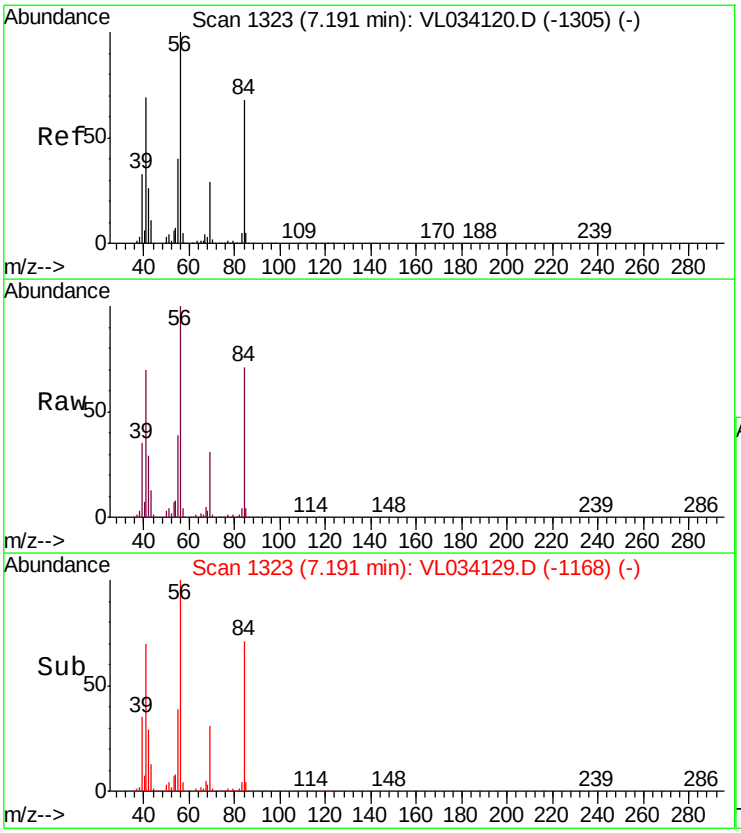
#29
Chloroform
Concen: 9.192 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 83 Resp: 1568557

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6

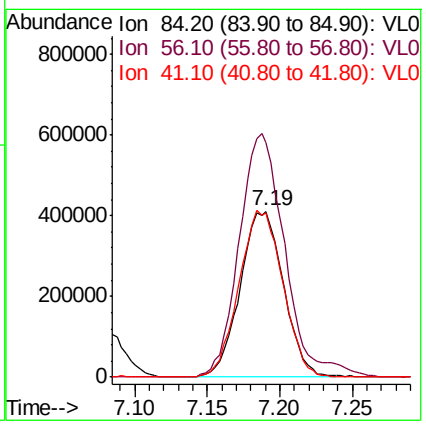


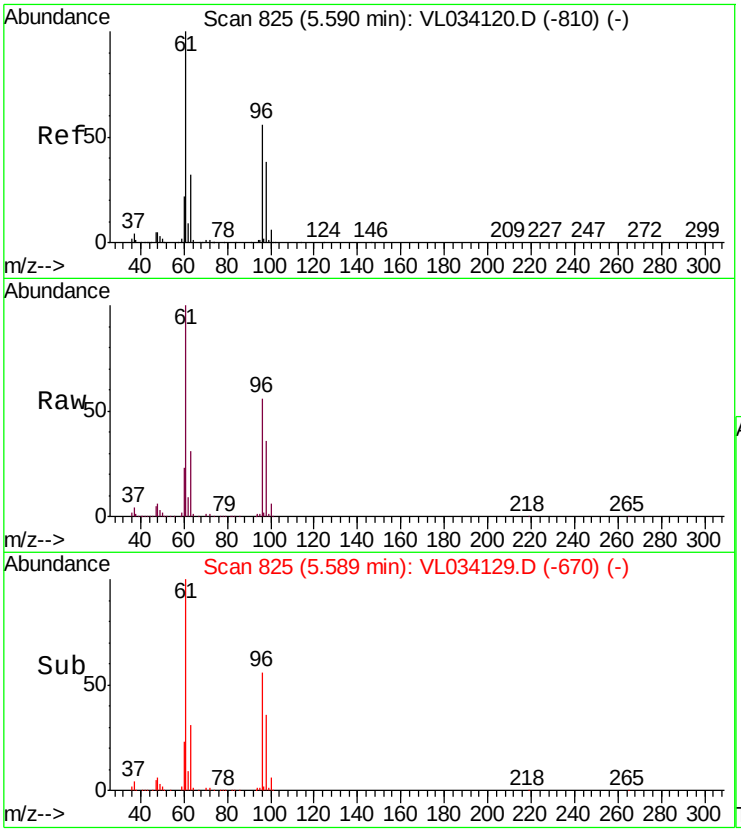


#30
Cyclohexane
Concen: 9.353 ppbv
RT: 7.19 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 84 Resp: 855492

Ion	Ratio	Lower	Upper
84	100		
56	155.2	122.6	183.8
41	101.8	79.1	118.7



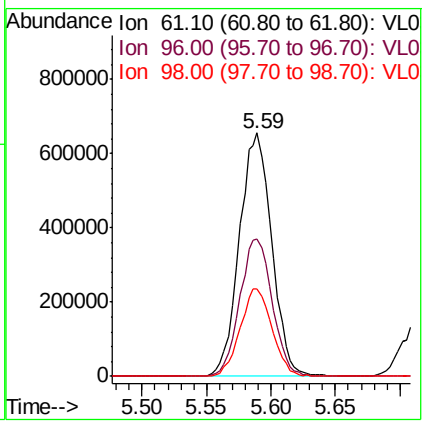


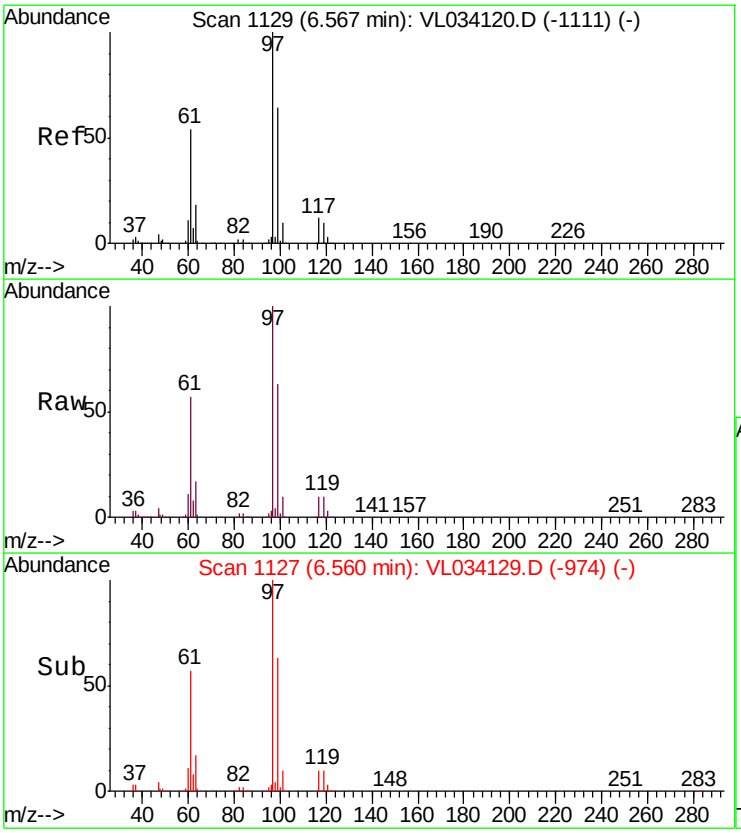
#31
cis-1,2-Dichloroethene
Concen: 9.450 ppbv
RT: 5.59 min Scan# 825
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 61 Resp: 1144907

Ion	Ratio	Lower	Upper
61	100		
96	56.2	44.4	66.6
98	36.0	30.0	45.0

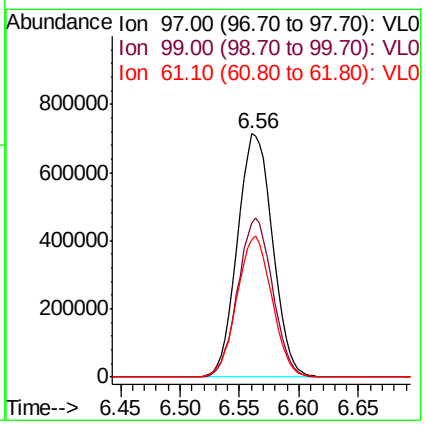


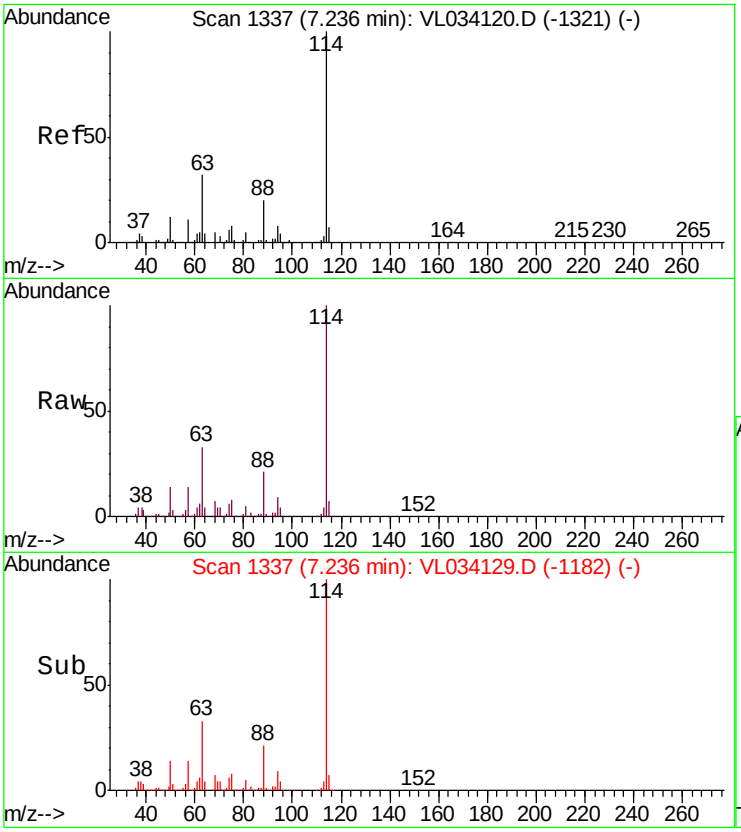


#32
1,1,1-Trichloroethane
Concen: 9.083 ppbv
RT: 6.56 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 97 Resp: 1464270

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	57.9	44.0	66.0



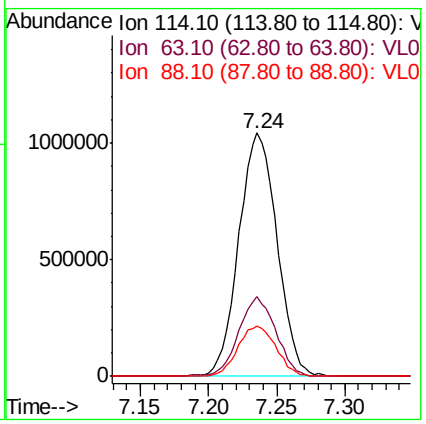


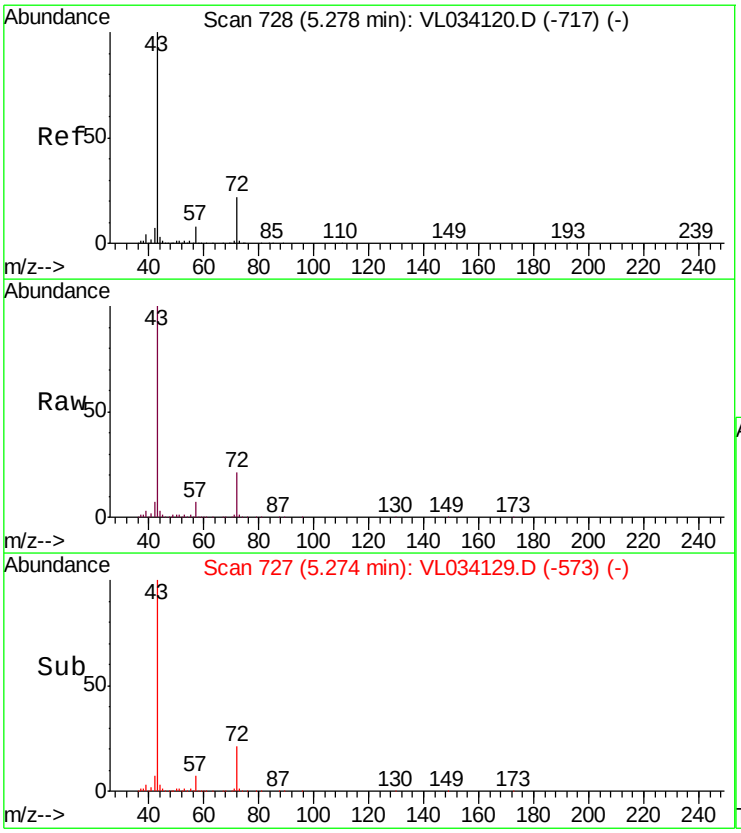
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:114 Resp: 2029335

Ion	Ratio	Lower	Upper
114	100		
63	32.1	25.5	38.3
88	20.8	16.8	25.2

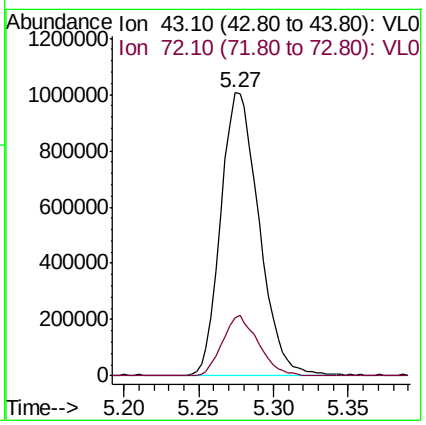


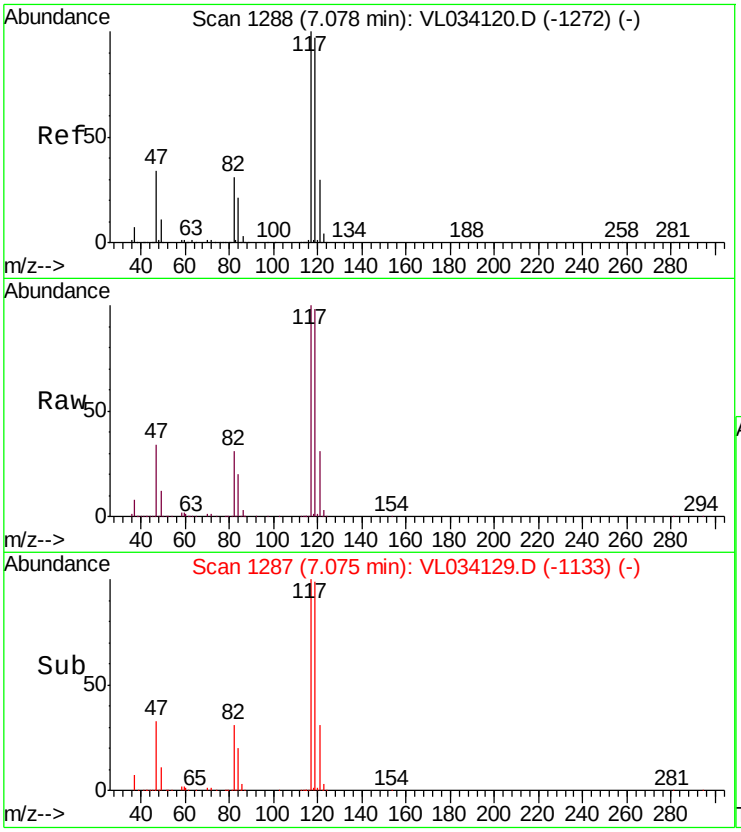


#34
2-Butanone
Concen: 9.163 ppbv
RT: 5.27 min Scan# 727
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 43 Resp: 1787635

Ion	Ratio	Lower	Upper
43	100		
72	20.2	16.5	24.7



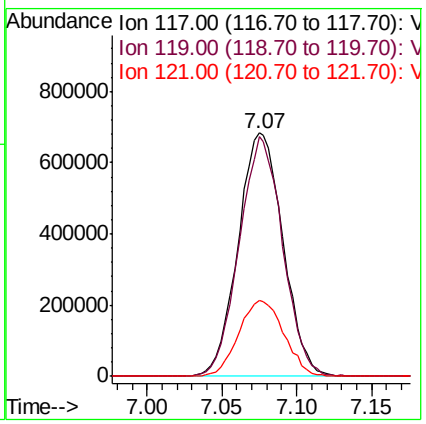


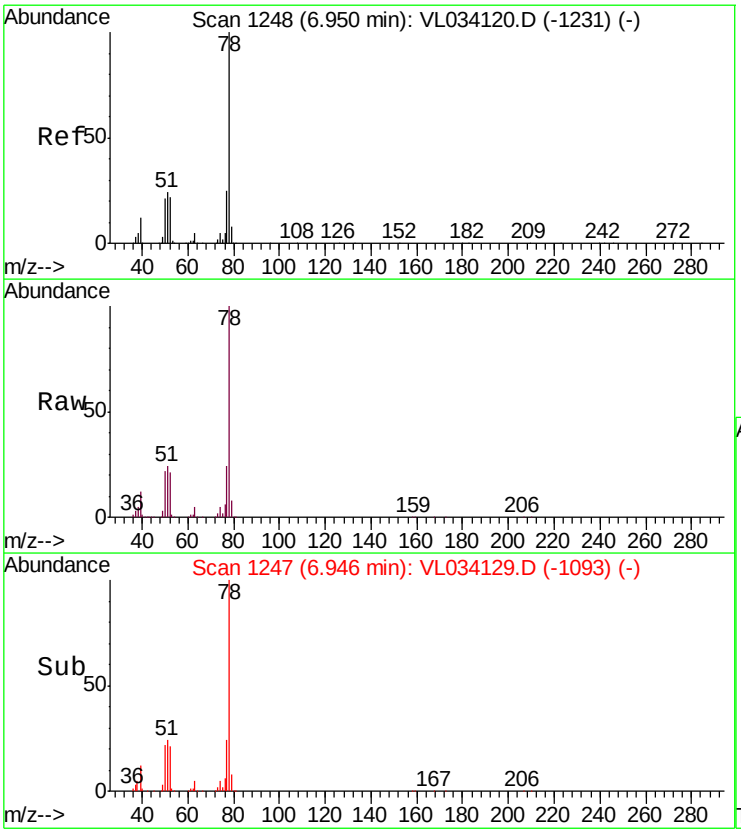
#35
Carbon Tetrachloride
Concen: 9.017 ppbv
RT: 7.07 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:117 Resp: 1426683

Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.2	115.8
121	30.9	24.2	36.4

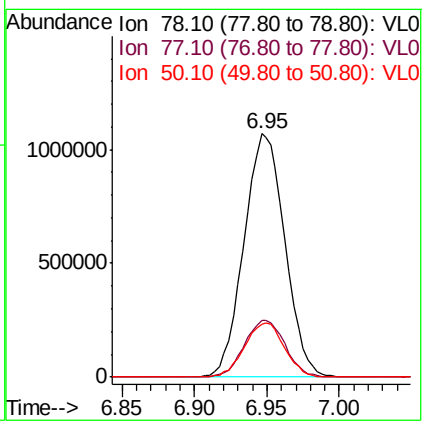


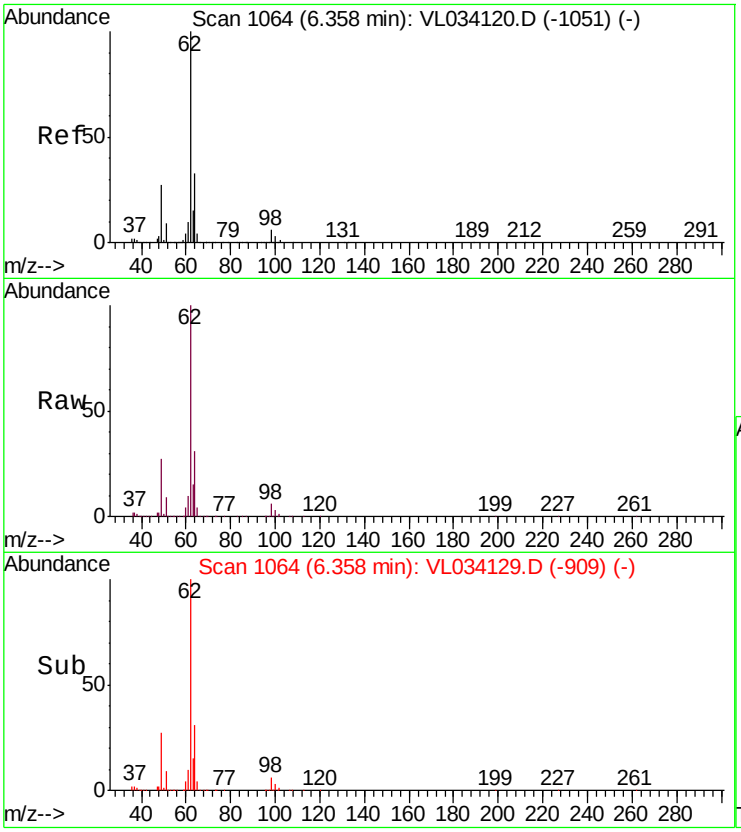


#36
Benzene
Concen: 9.055 ppbv
RT: 6.95 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 78 Resp: 2100380

Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.3	30.5
50	21.8	16.9	25.3



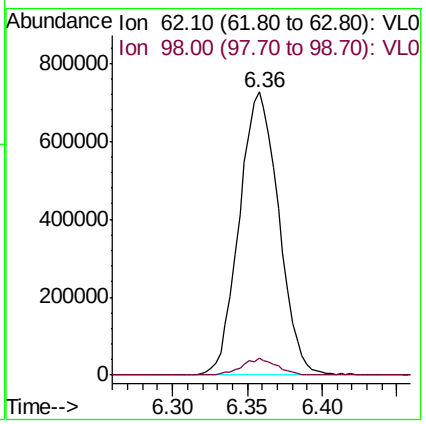


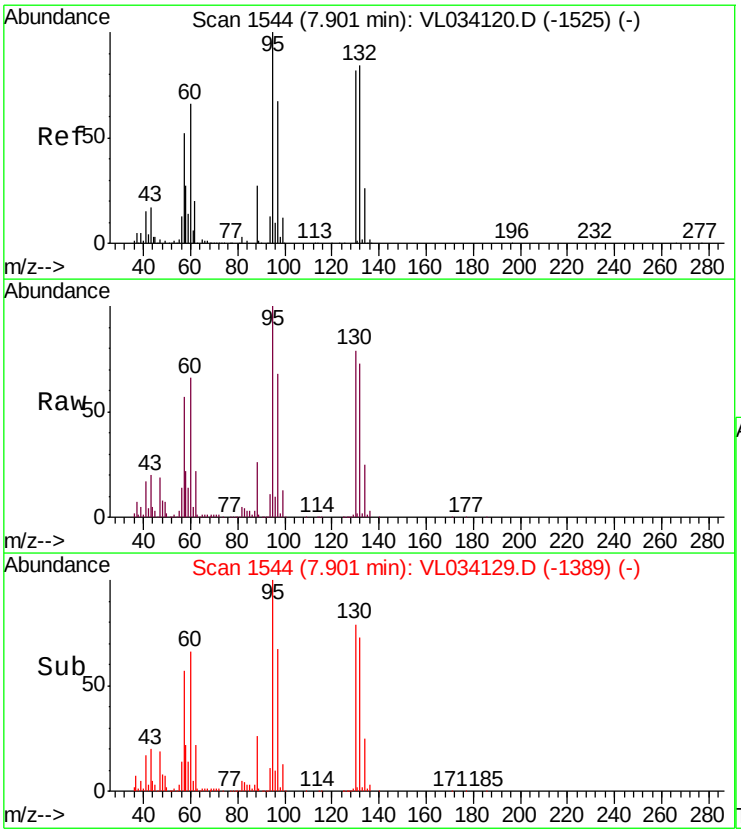
#37
1,2-Dichloroethane
Concen: 9.362 ppbv
RT: 6.36 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 62 Resp: 1332118

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.4	6.6

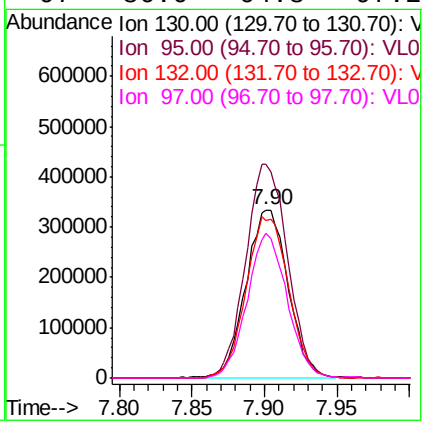


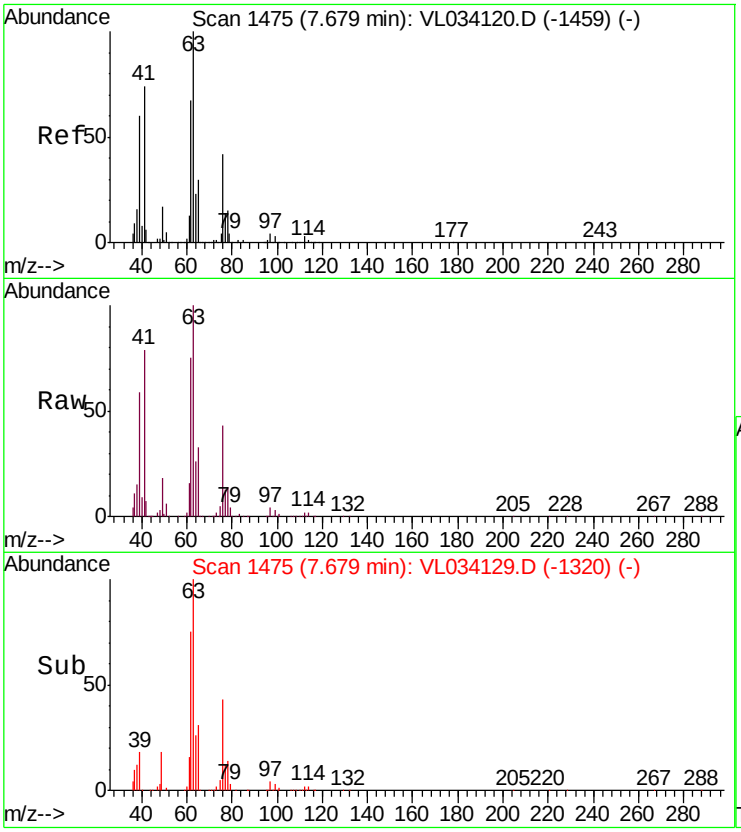


#38
Trichloroethene
Concen: 7.780 ppbv
RT: 7.90 min Scan# 1544
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:130 Resp: 673402

Ion	Ratio	Lower	Upper
130	100		
95	127.3	97.2	145.8
132	93.4	81.4	122.2
97	86.0	64.8	97.2



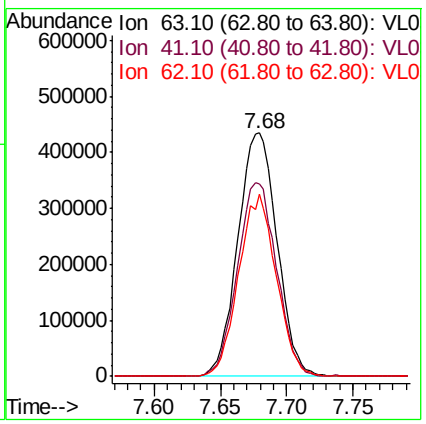


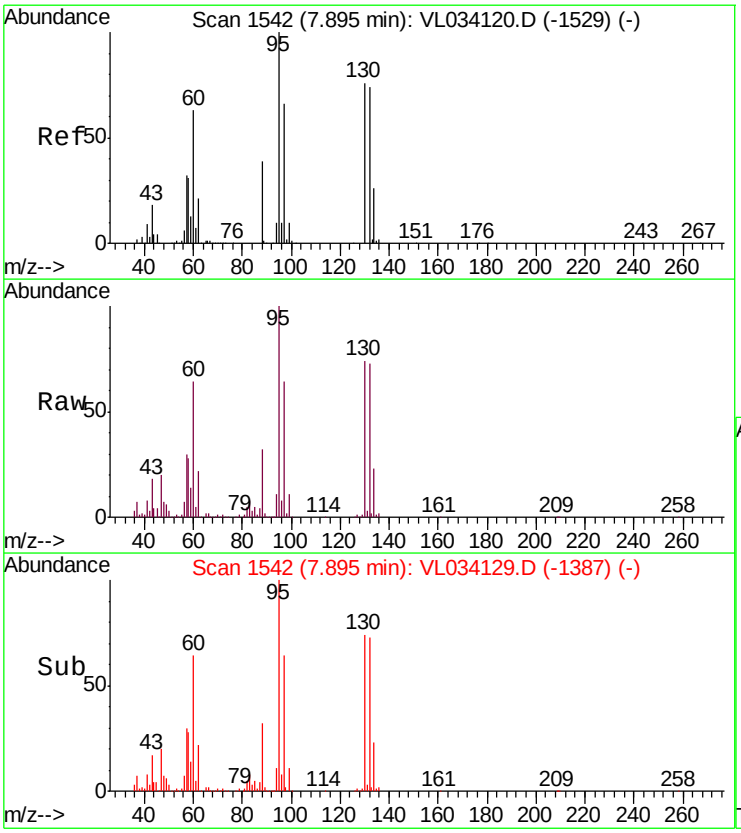
#39
1,2-Dichloropropane
Concen: 9.011 ppbv
RT: 7.68 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 63 Resp: 894448

Ion	Ratio	Lower	Upper
63	100		
41	78.8	59.3	88.9
62	74.9	53.8	80.6

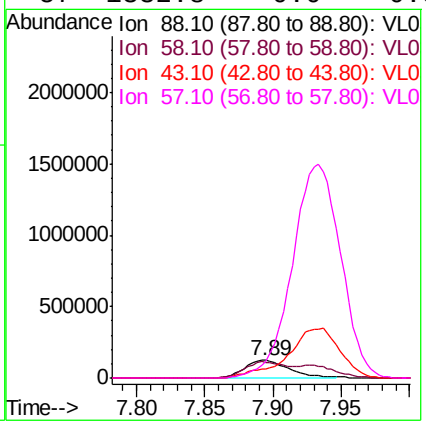


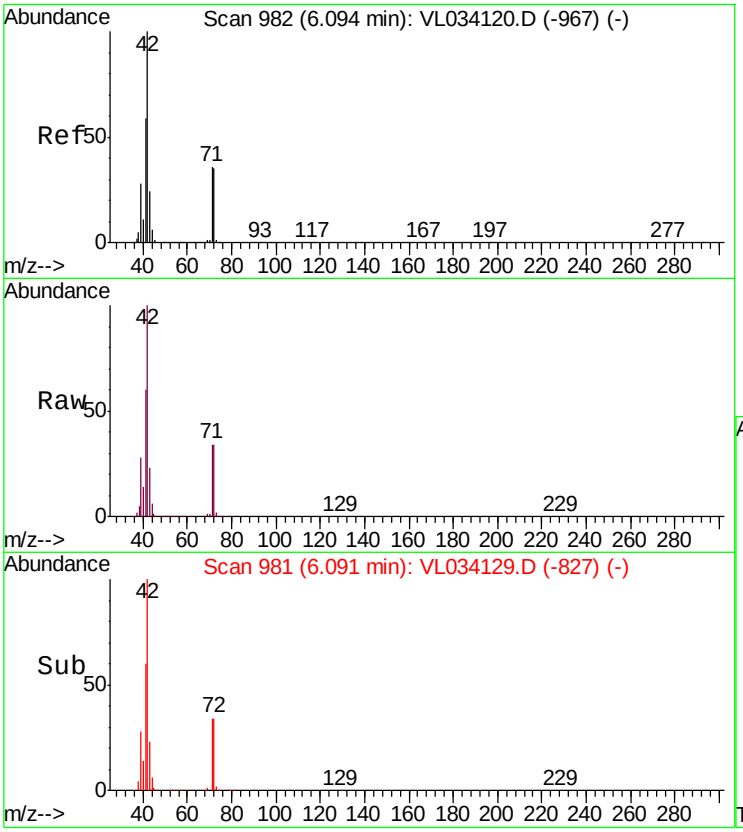


#40
1,4-Dioxane
Concen: 7.619 ppbv
RT: 7.89 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 88 Resp: 277939

Ion	Ratio	Lower	Upper
88	100		
58	148.8	121.7	182.5
43	331.1	0.0	0.0#
57	1332.8	0.0	0.0#



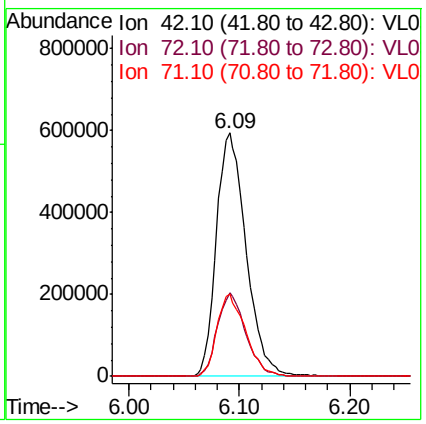


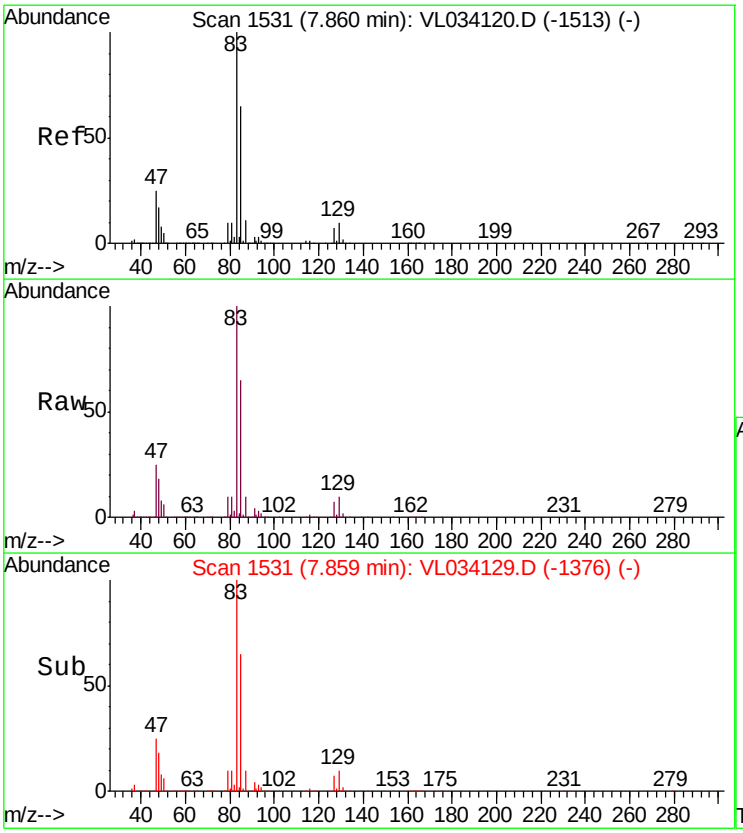
#41
Tetrahydrofuran
Concen: 9.448 ppbv
RT: 6.09 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 42 Resp: 1105097

Ion	Ratio	Lower	Upper
42	100		
72	32.9	27.7	41.5
71	32.9	26.7	40.1

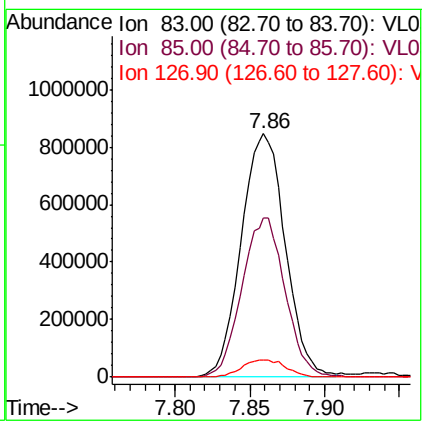


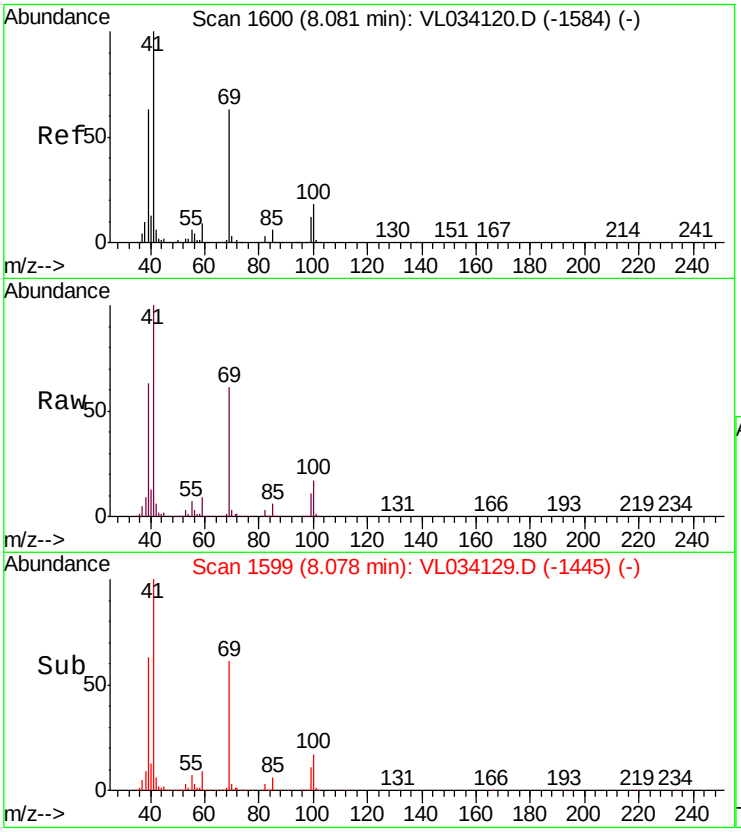


#42
Bromodichloromethane
Concen: 9.349 ppbv
RT: 7.86 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 83 Resp: 1733835

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4
127	7.0	5.4	8.0



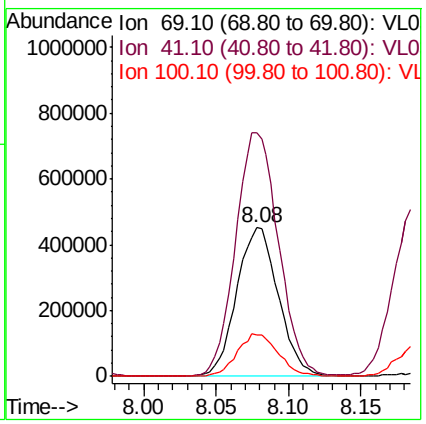


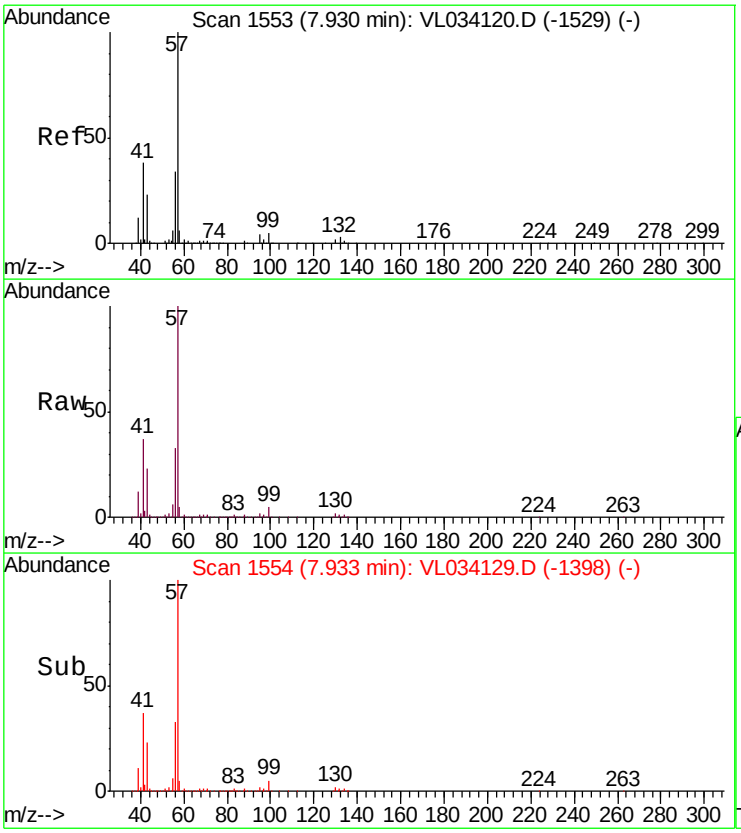
#43
Methyl Methacrylate
Concen: 9.418 ppbv
RT: 8.08 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 69 Resp: 899966

Ion	Ratio	Lower	Upper
69	100		
41	169.5	131.0	196.6
100	28.3	22.6	33.8

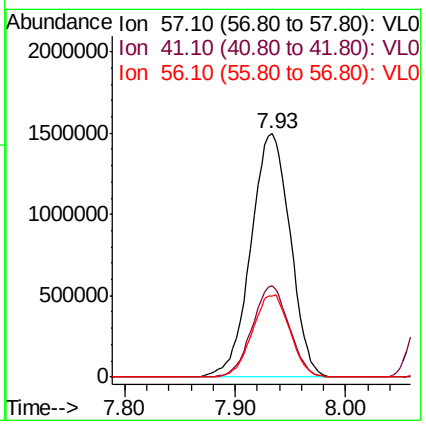


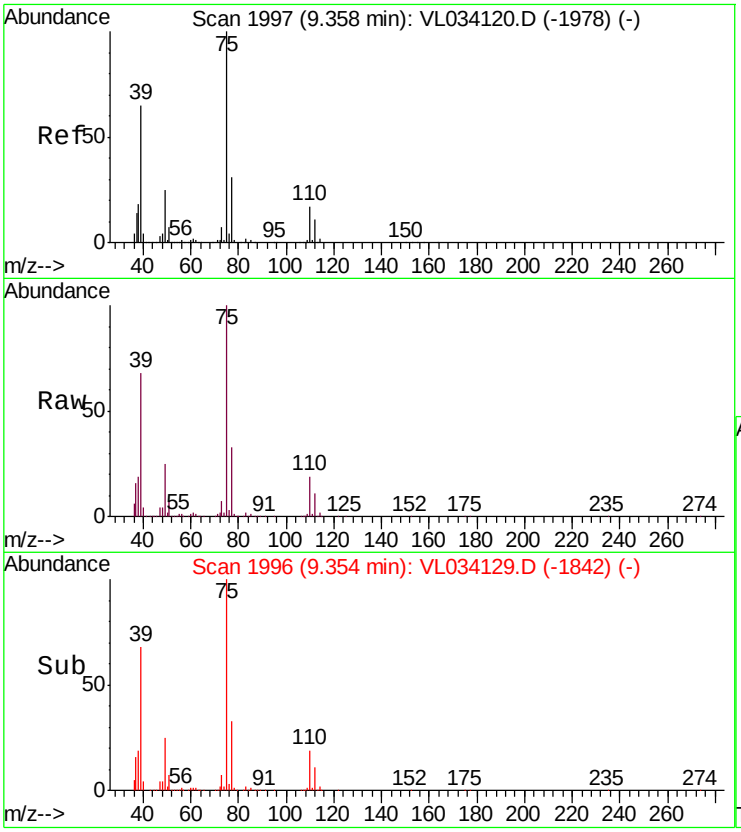


#44
2,2,4-Trimethylpentane
Concen: 8.649 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 57 Resp: 3698703

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.4	42.6
56	32.2	26.3	39.5



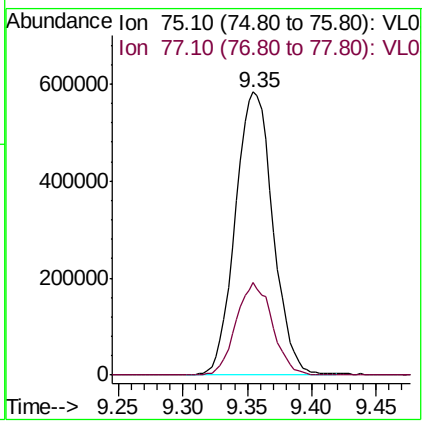


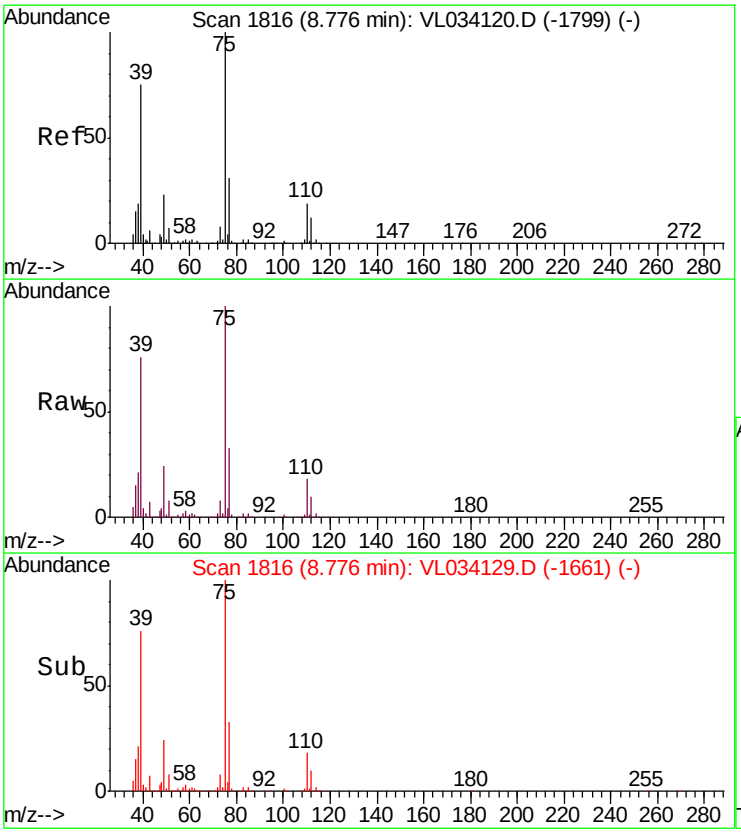
#45
t-1,3-Dichloropropene
Concen: 10.538 ppbv
RT: 9.35 min Scan# 1996
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 75 Resp: 1183540

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8

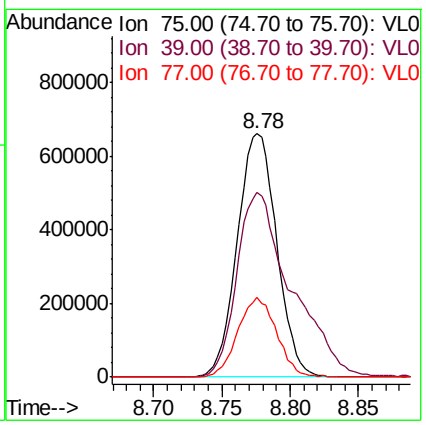


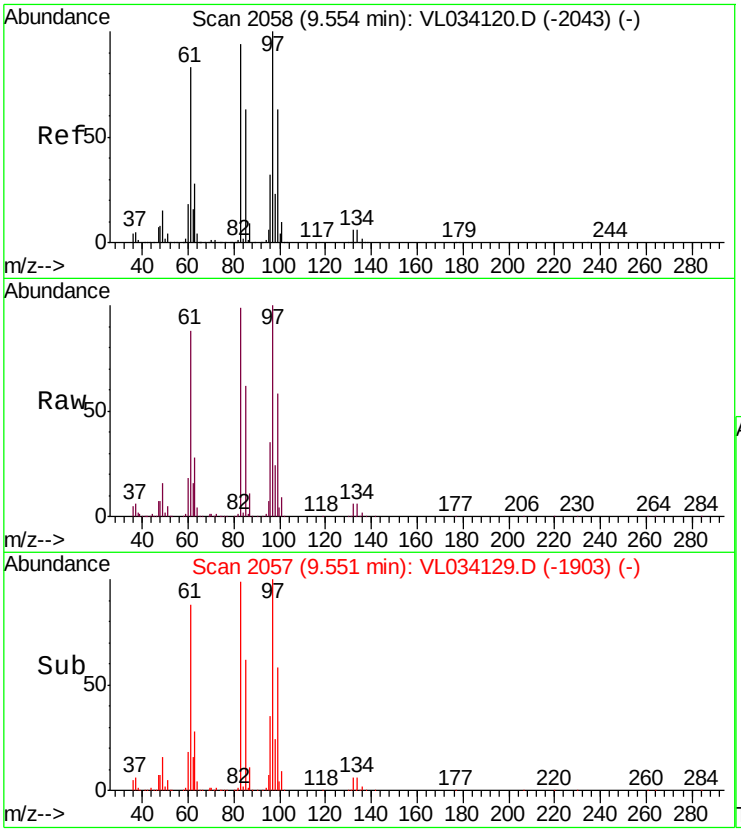


#46
cis-1,3-Dichloropropene
Concen: 9.751 ppbv
RT: 8.78 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 75 Resp: 1332329

Ion	Ratio	Lower	Upper
75	100		
39	75.7	60.0	90.0
77	32.6	24.8	37.2



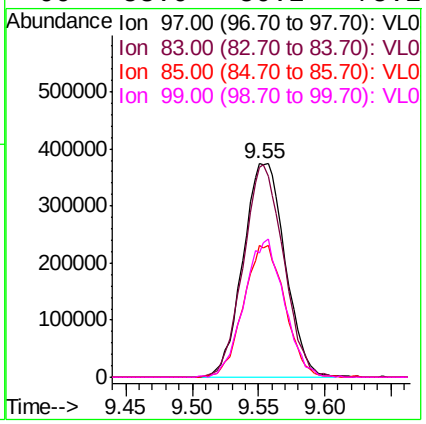


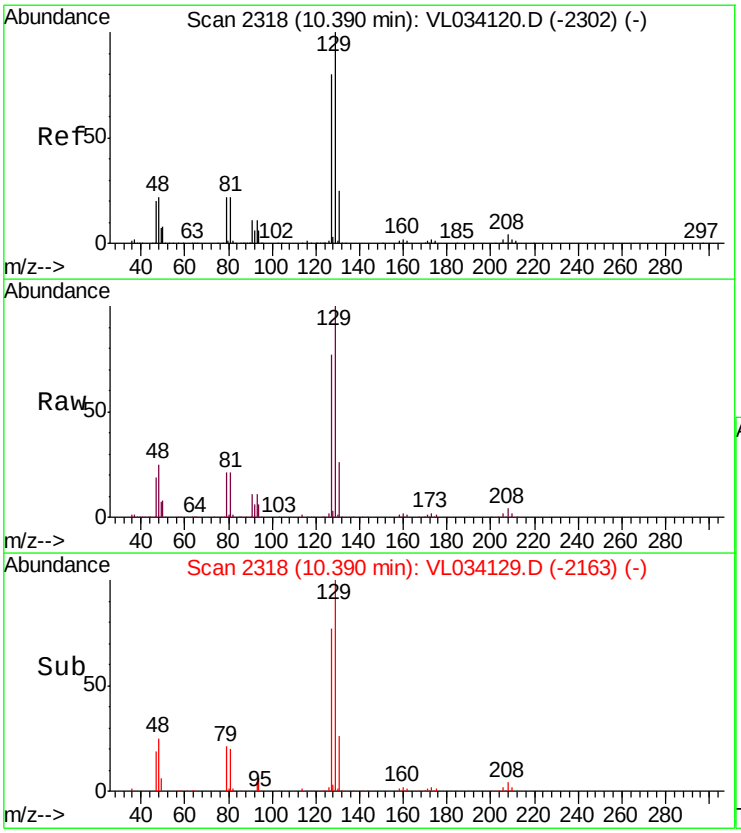
#47
1,1,2-Trichloroethane
Concen: 9.152 ppbv
RT: 9.55 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 97 Resp: 827657

Ion	Ratio	Lower	Upper
97	100		
83	98.6	74.9	112.3
85	61.9	50.6	75.8
99	58.0	50.2	75.2

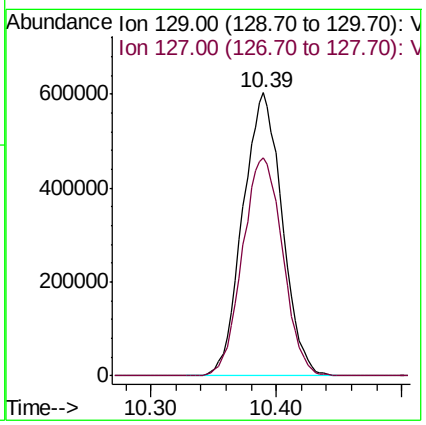


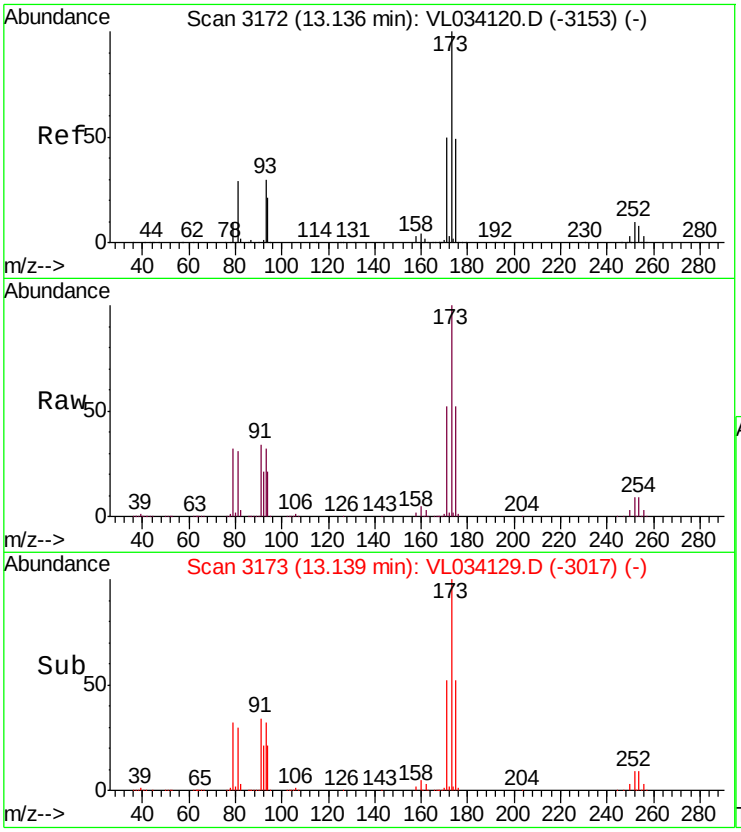


#48
Dibromochloromethane
Concen: 9.728 ppbv
RT: 10.39 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:129 Resp: 1312733

Ion	Ratio	Lower	Upper
129	100		
127	79.1	40.2	120.6



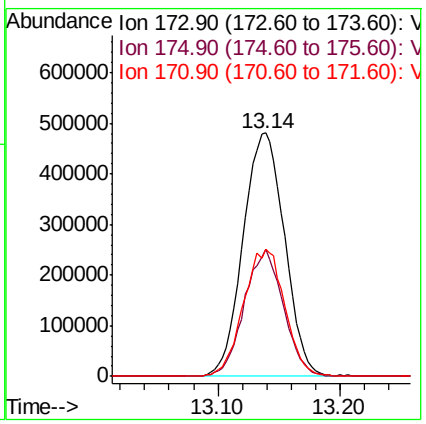


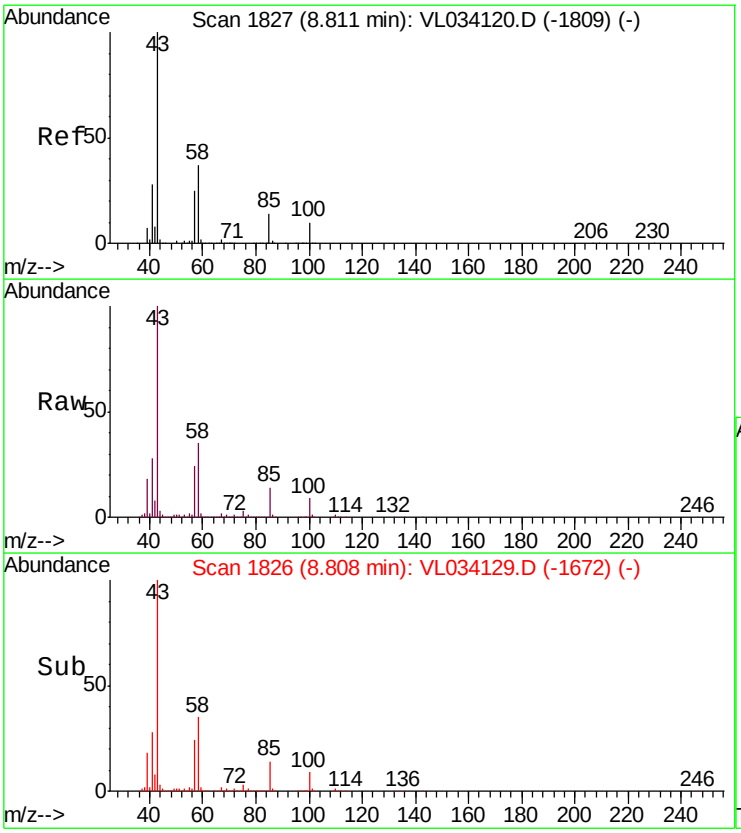
#49
Bromoform
Concen: 9.551 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion:173 Resp: 1130015

Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.0	60.0
171	52.0	42.2	63.2

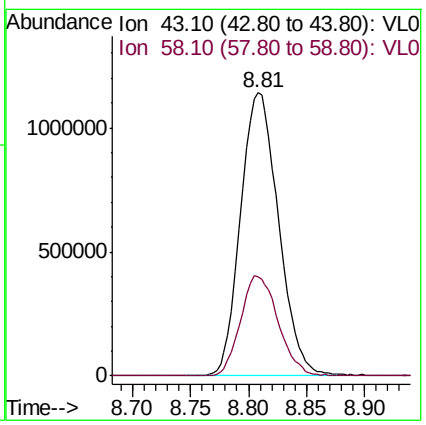


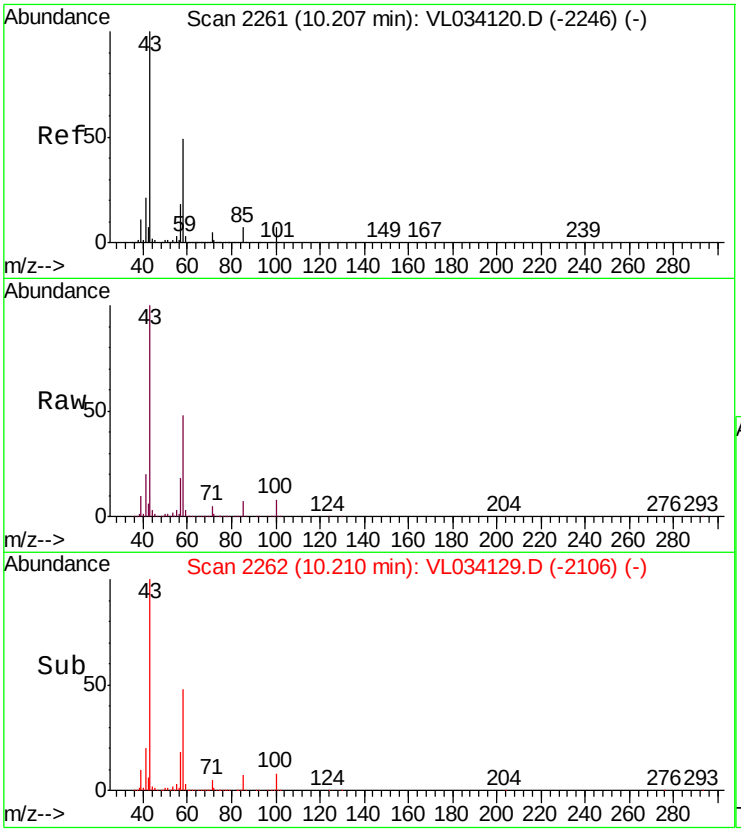


#50
4-Methyl-2-Pentanone
Concen: 8.744 ppbv
RT: 8.81 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 43 Resp: 2603209

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



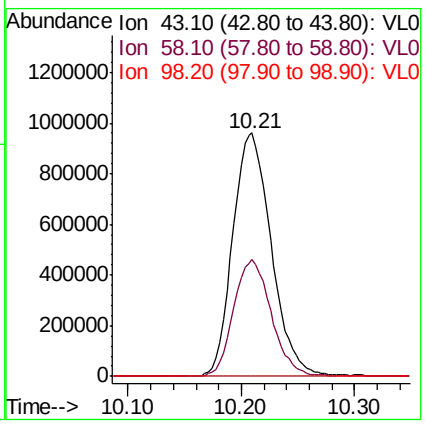


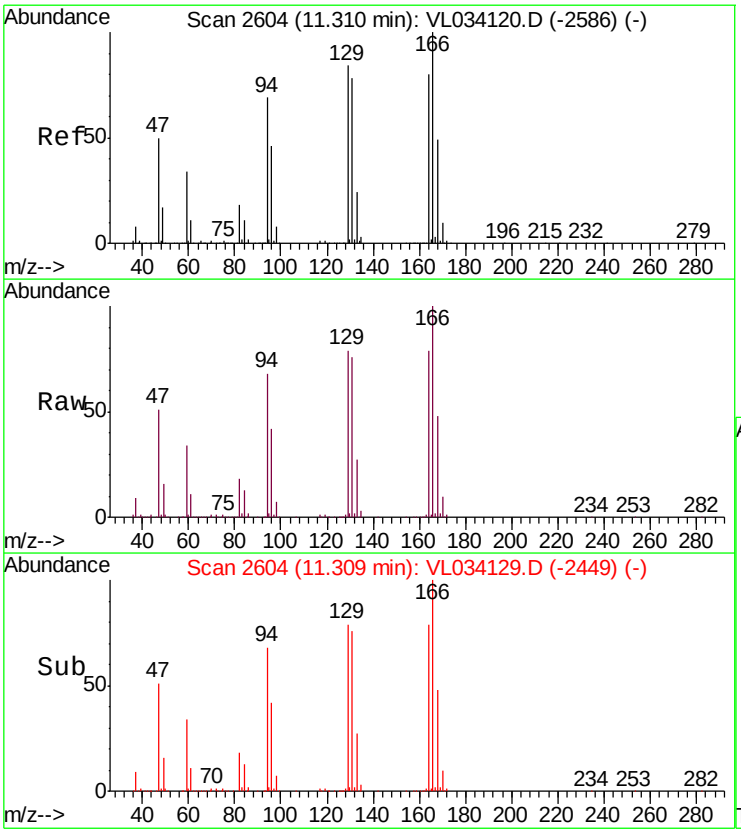
#51
2-Hexanone
Concen: 8.841 ppbv
RT: 10.21 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 43 Resp: 2273678

Ion	Ratio	Lower	Upper
43	100		
58	47.1	38.2	57.2
98	0.1	0.1	0.1

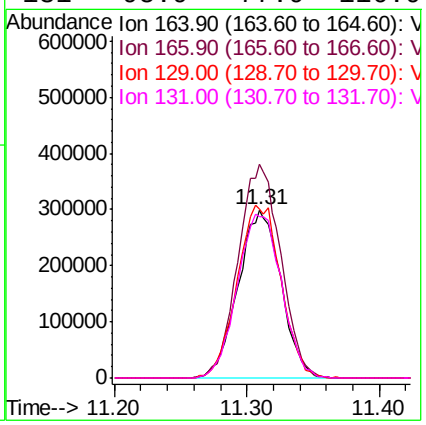


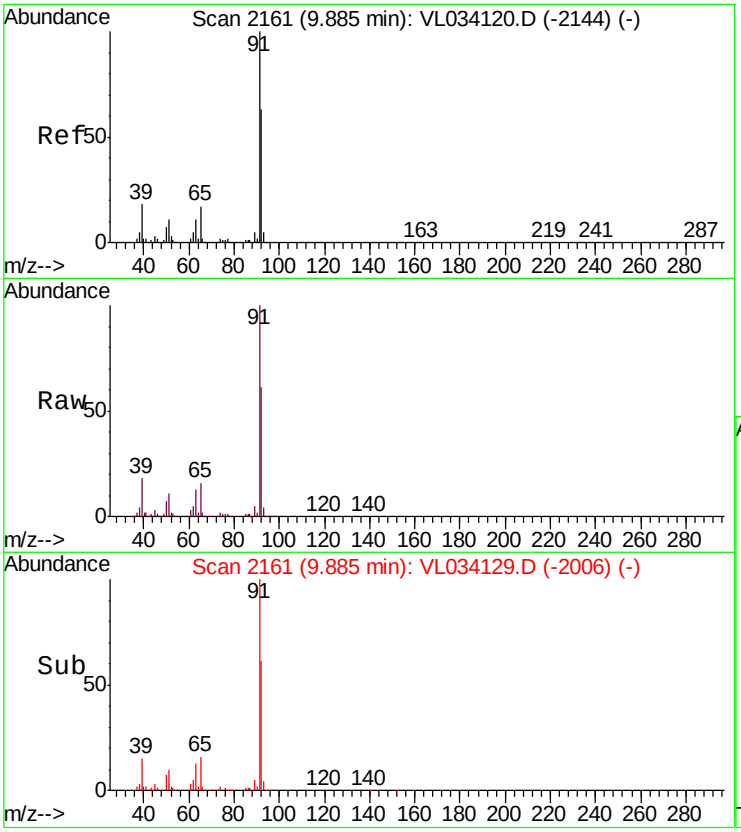


#52
Tetrachloroethene
Concen: 8.152 ppbv
RT: 11.31 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:164 Resp: 666797

Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.5	149.3
129	100.6	83.6	125.4
131	95.9	77.9	116.9



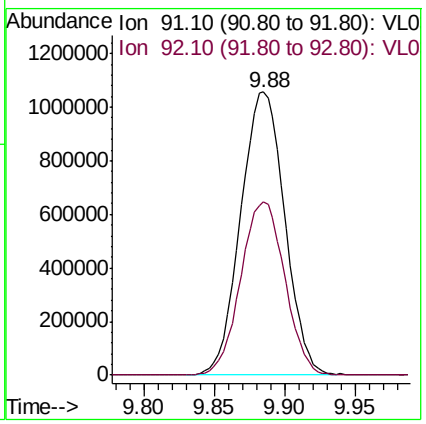


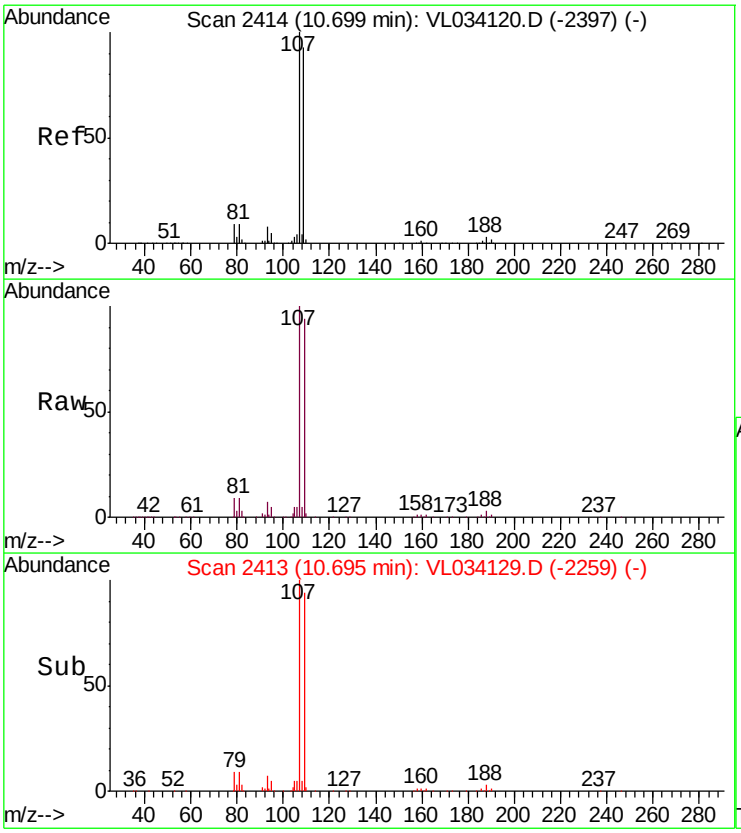
#53
Toluene
Concen: 9.019 ppbv
RT: 9.88 min Scan# 2161
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 91 Resp: 2313780

Ion	Ratio	Lower	Upper
91	100		
92	61.3	49.3	73.9

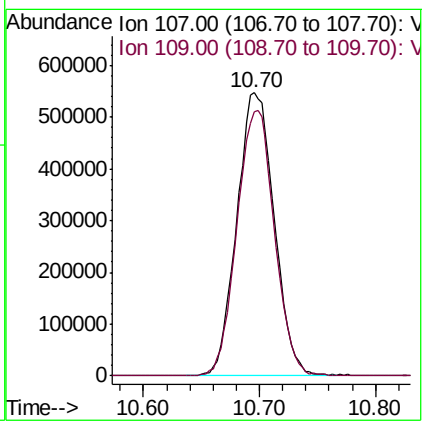


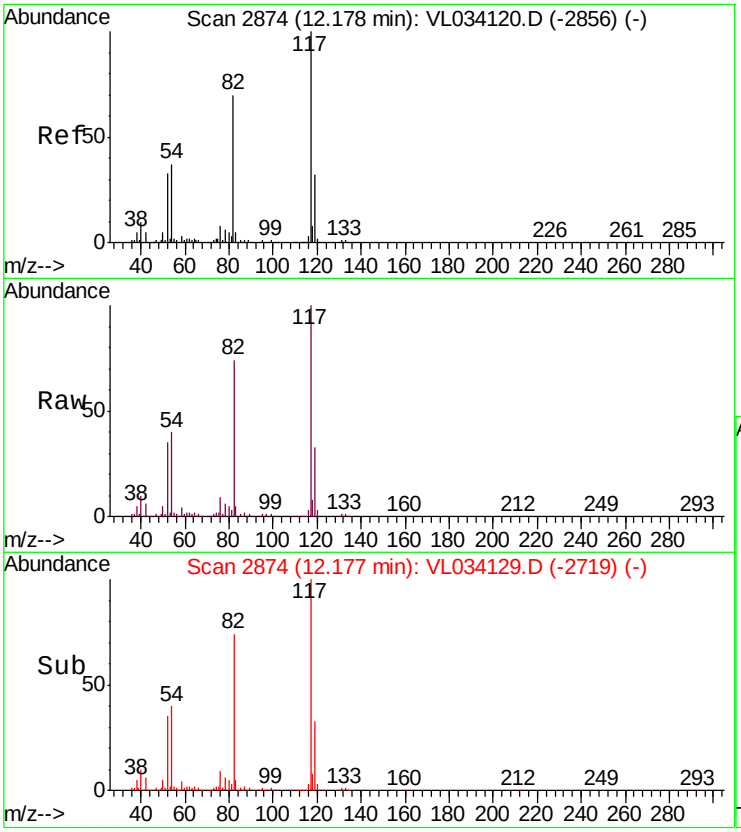


#54
1,2-Dibromoethane
Concen: 9.109 ppbv
RT: 10.70 min Scan# 2413
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:107 Resp: 1227188

Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.5	111.7



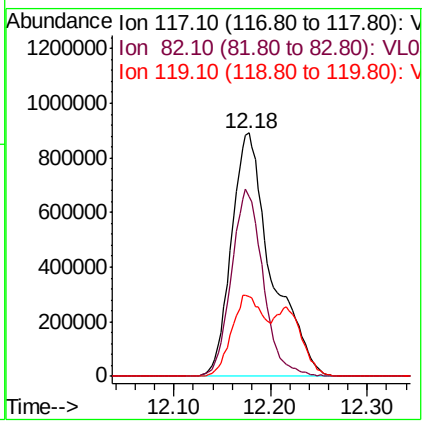


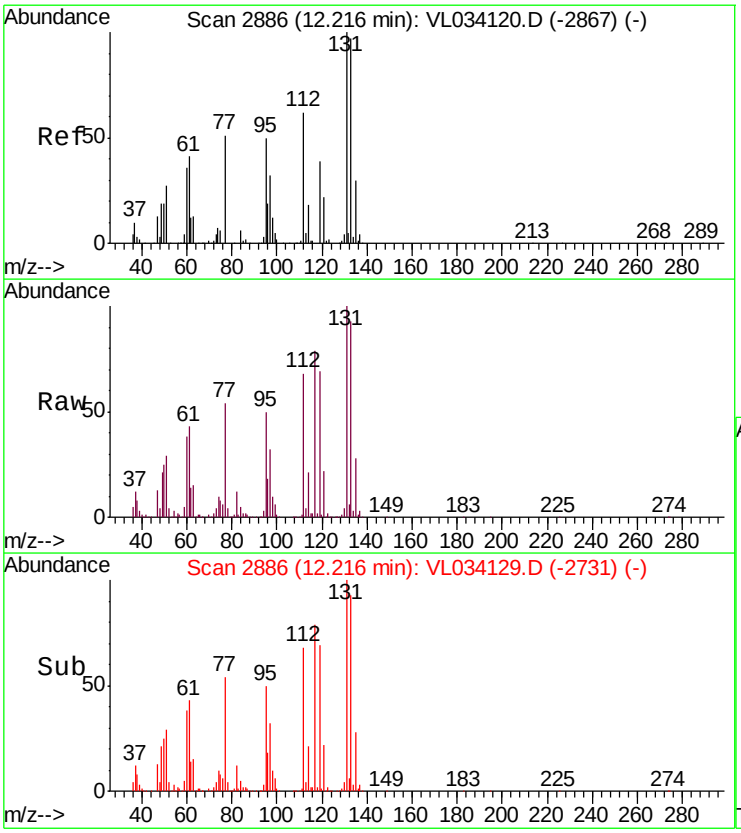
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion:117 Resp: 2563023

Ion	Ratio	Lower	Upper
117	100		
82	61.1	55.8	83.6
119	26.1	43.1	64.7#

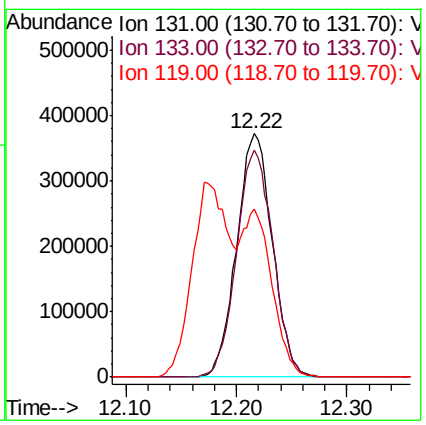


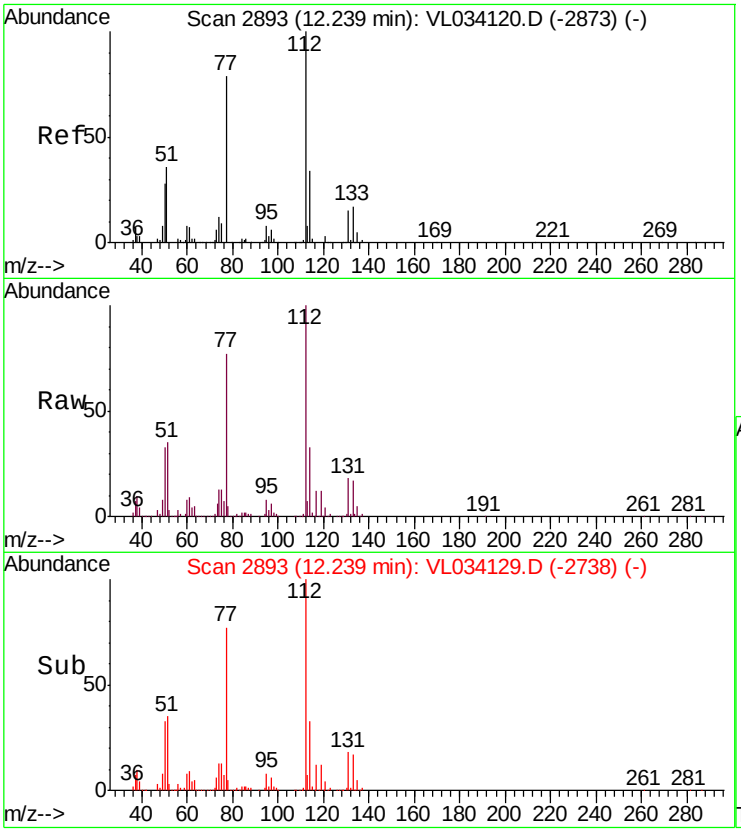


#56
1,1,1,2-Tetrachloroethane
Concen: 7.611 ppbv
RT: 12.22 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:131 Resp: 836653

Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.8	113.6
119	63.8	114.7	172.1#



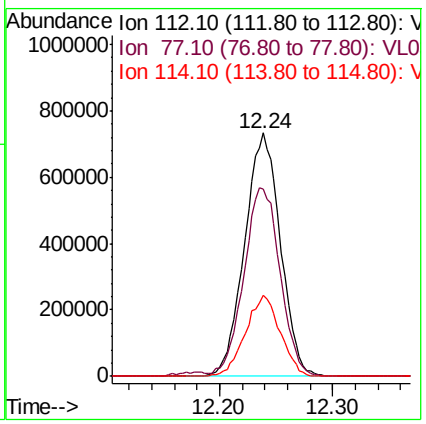


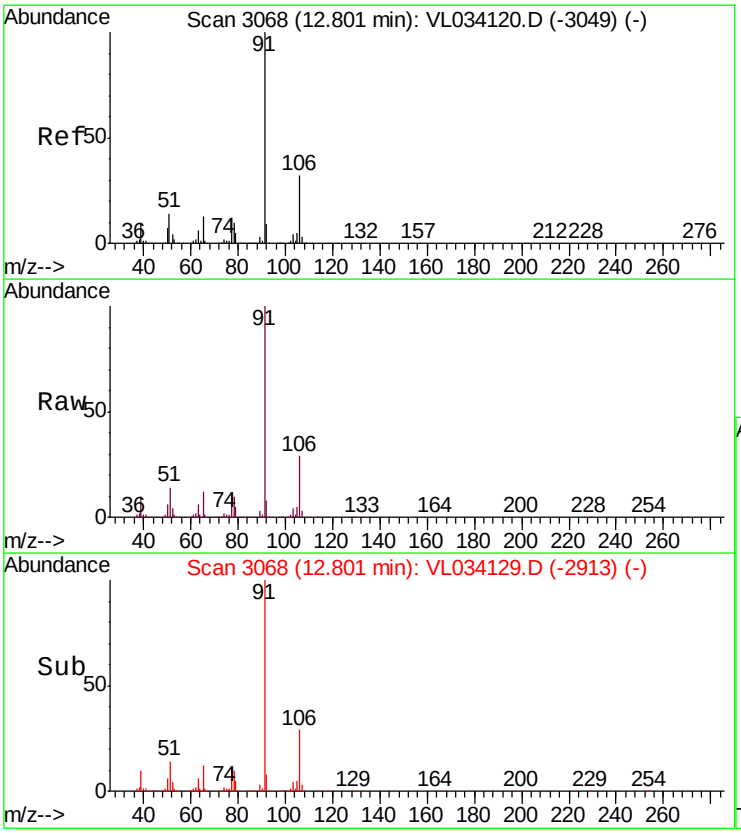
#57
Chlorobenzene
Concen: 7.314 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:112 Resp: 1612549

Ion	Ratio	Lower	Upper
112	100		
77	76.5	64.4	96.6
114	33.1	30.3	37.1

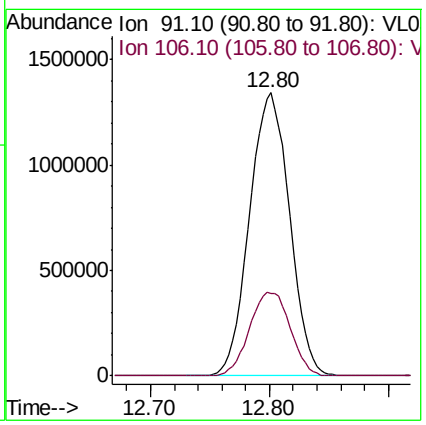


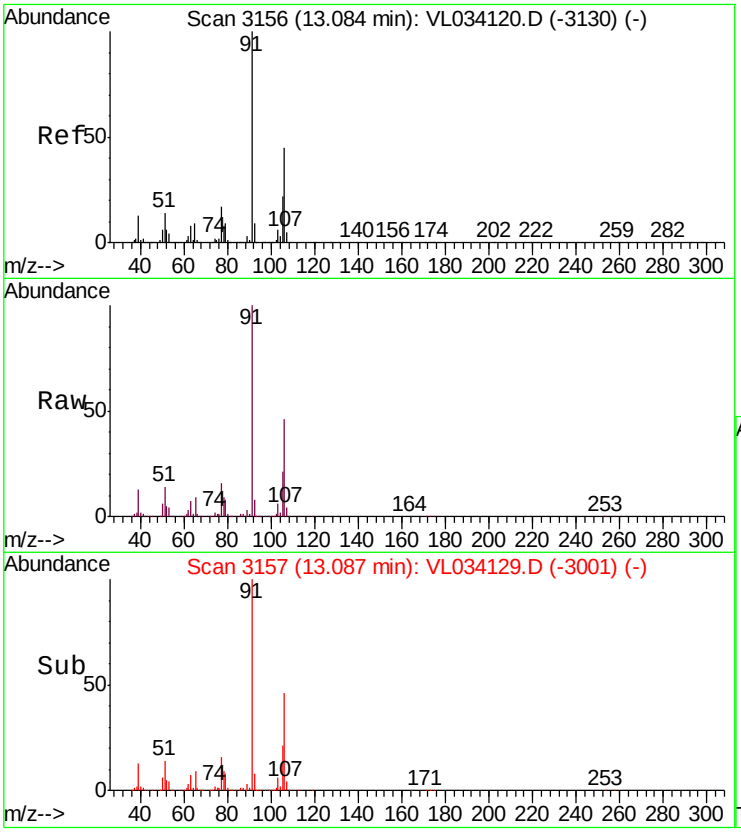


#58
Ethyl Benzene
Concen: 7.437 ppbv
RT: 12.80 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 91 Resp: 3125840

Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.3	37.9



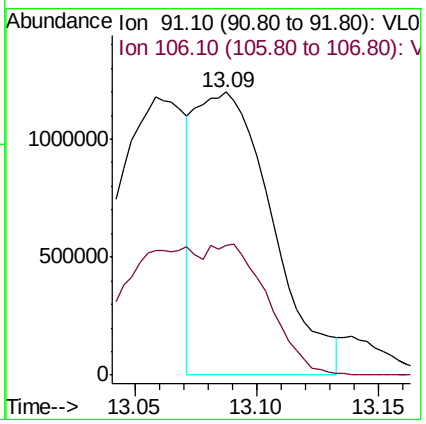


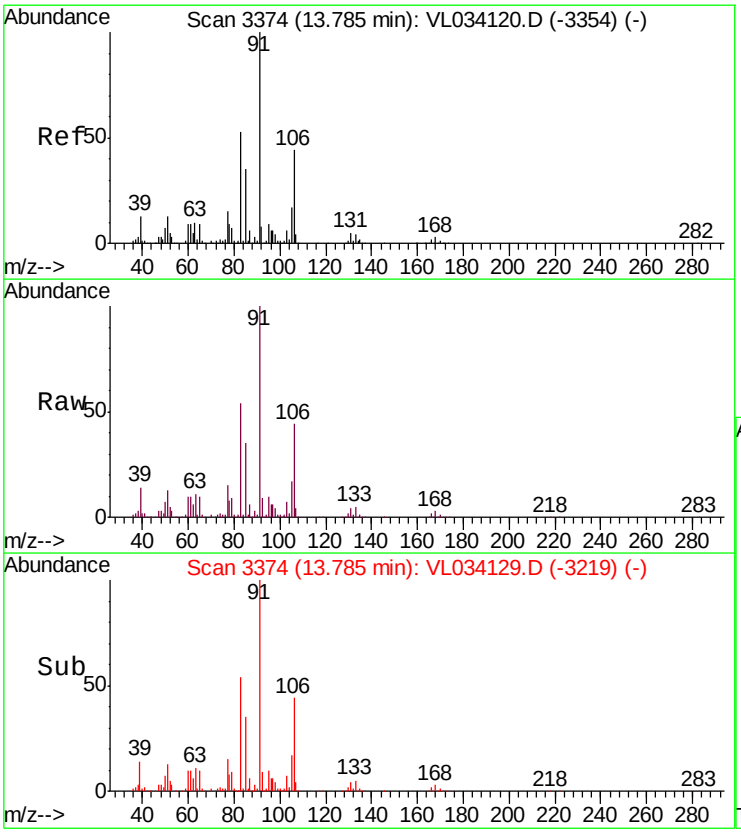
#59
m/p-Xylene
Concen: 7.604 ppbv
RT: 13.09 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 91 Resp: 2606850

Ion	Ratio	Lower	Upper
91	100		
106	84.6	35.4	53.2#

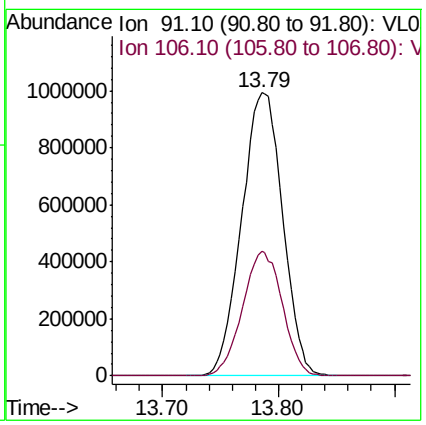


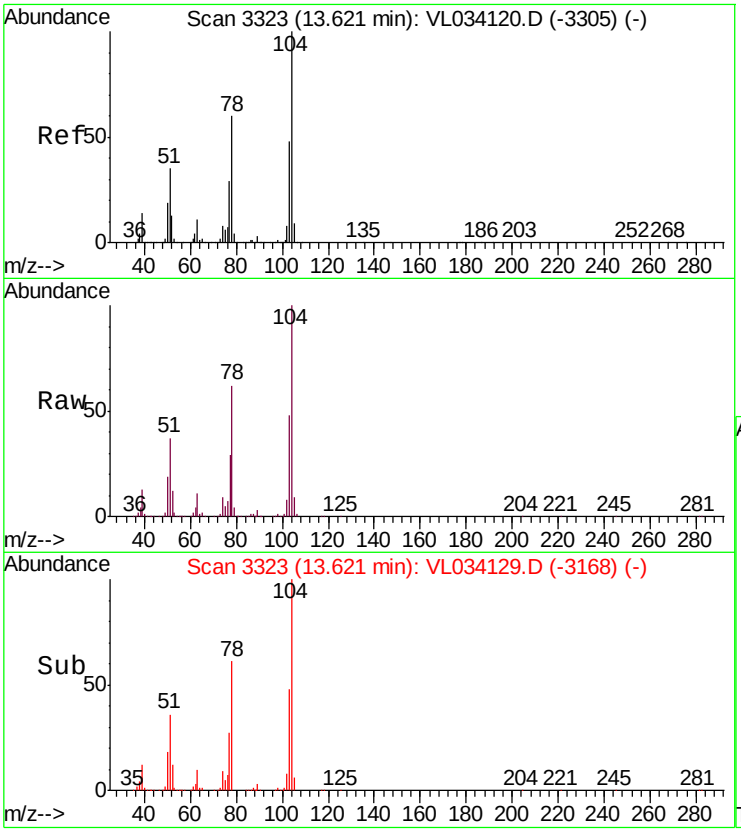


#60
o-Xylene
Concen: 7.158 ppbv
RT: 13.79 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 91 Resp: 2444148

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.4	64.3



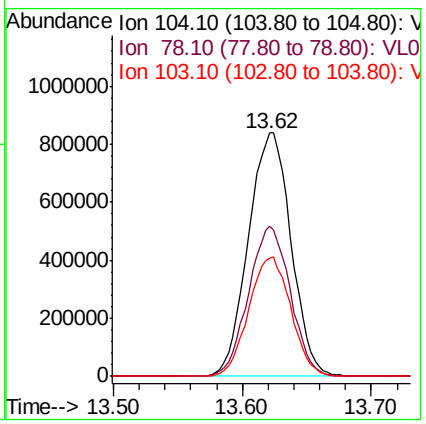


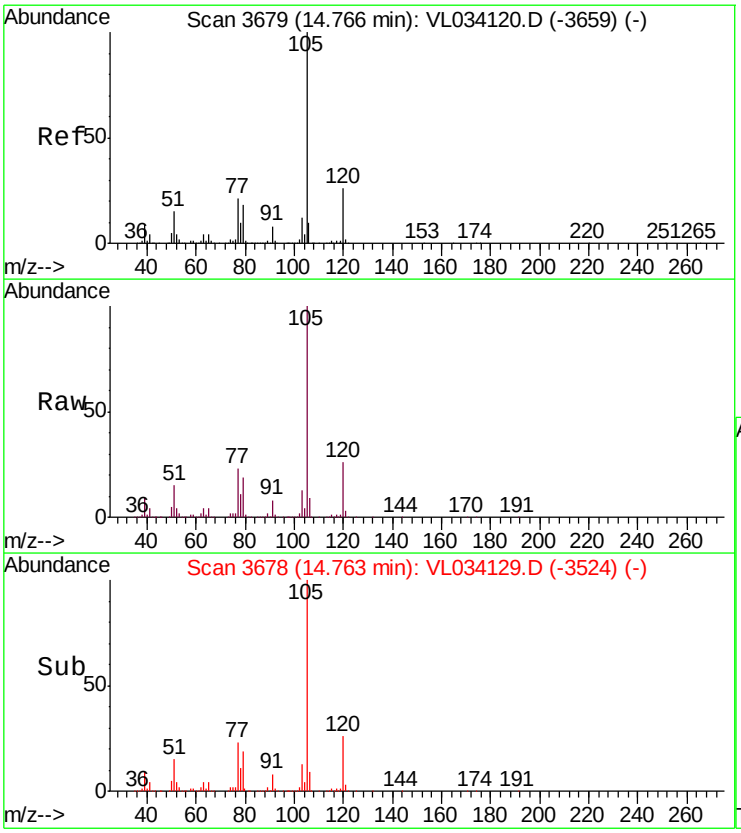
#61
Styrene
Concen: 7.583 ppbv
RT: 13.62 min Scan# 3323
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion:104 Resp: 1936836

Ion	Ratio	Lower	Upper
104	100		
78	60.5	47.8	71.6
103	48.3	38.7	58.1

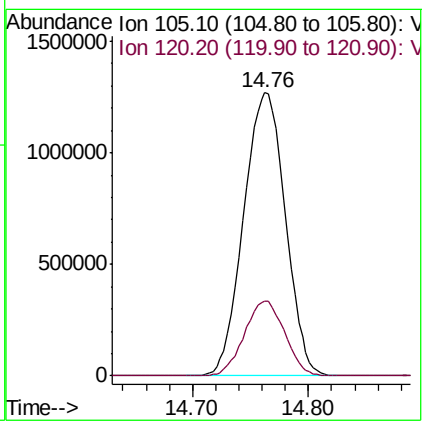


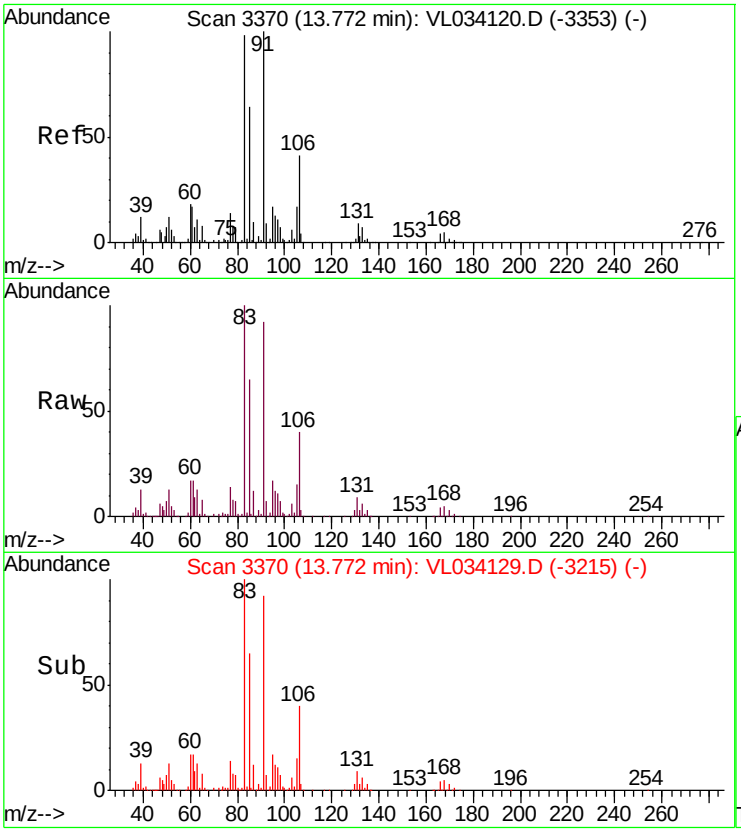


#62
Isopropylbenzene
Concen: 7.147 ppbv
RT: 14.76 min Scan# 3678
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:105 Resp: 3175374

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



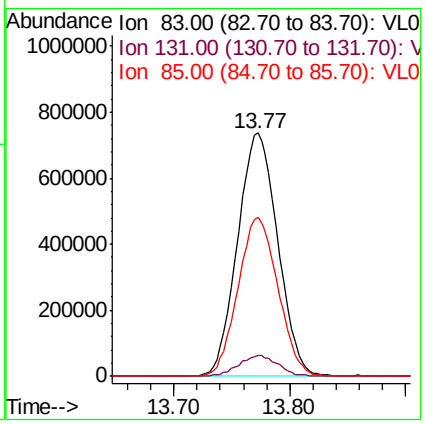


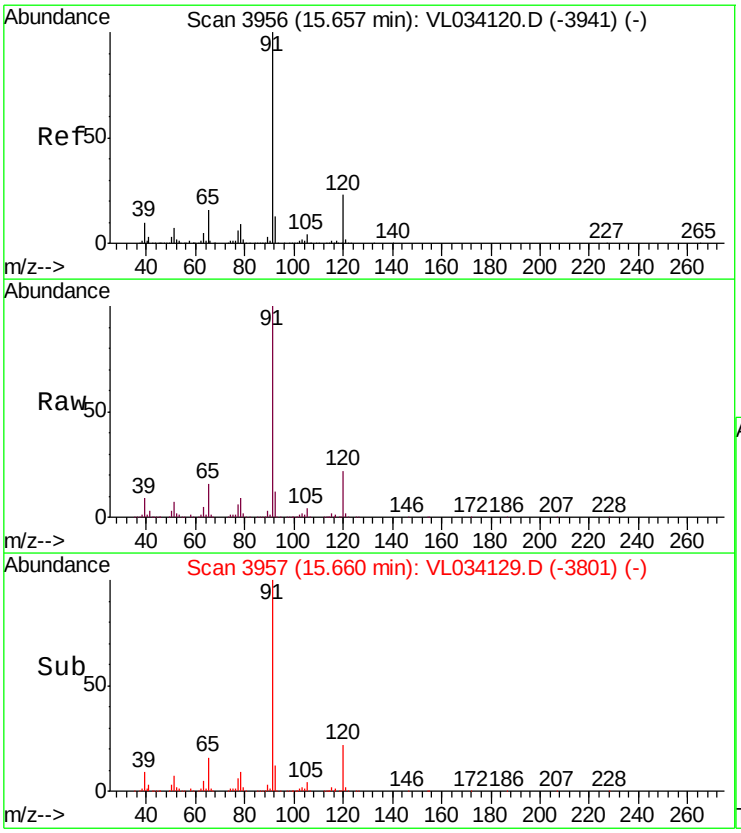
#63
1,1,2,2-Tetrachloroethane
Concen: 6.380 ppbv
RT: 13.77 min Scan# 3370
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion: 83 Resp: 1775378

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	65.2	32.5	97.5

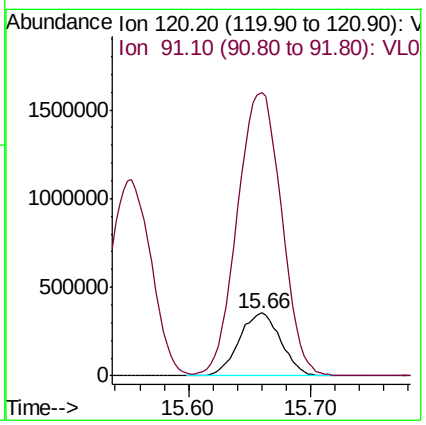


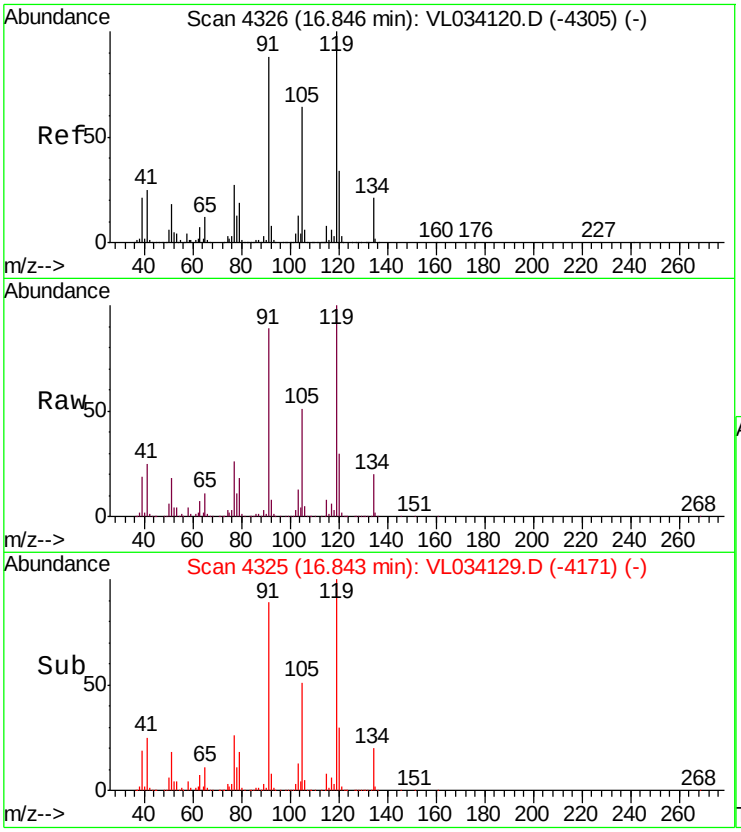


#64
n-propylbenzene
Concen: 7.519 ppbv
RT: 15.66 min Scan# 3957
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:120 Resp: 836881

Ion	Ratio	Lower	Upper
120	100		
91	478.8	376.8	565.2



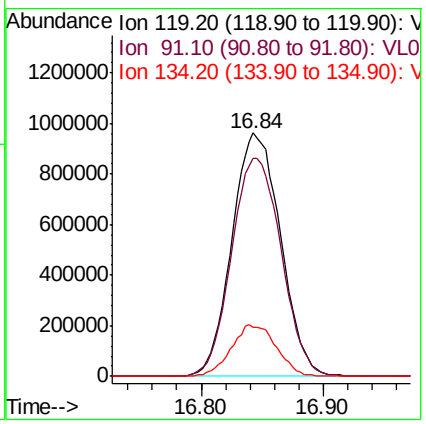


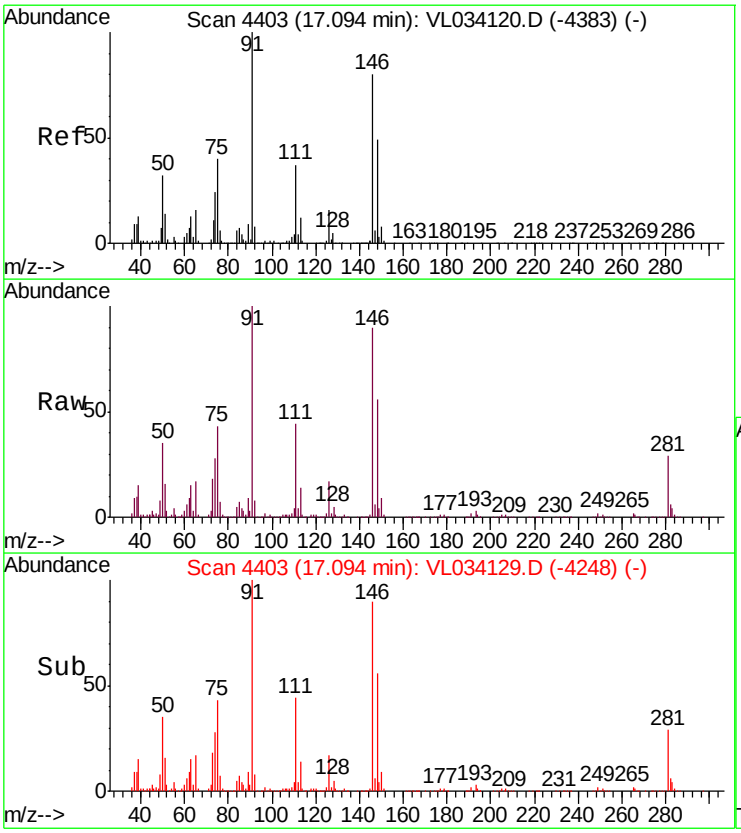
#65
tert-Butylbenzene
Concen: 6.928 ppbv
RT: 16.84 min Scan# 4325
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion:119 Resp: 2656444

Ion	Ratio	Lower	Upper
119	100		
91	91.9	72.8	109.2
134	19.7	15.8	23.8

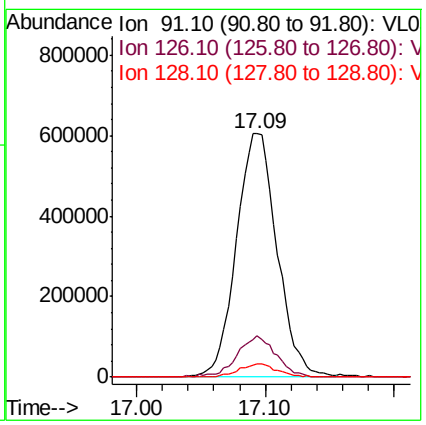


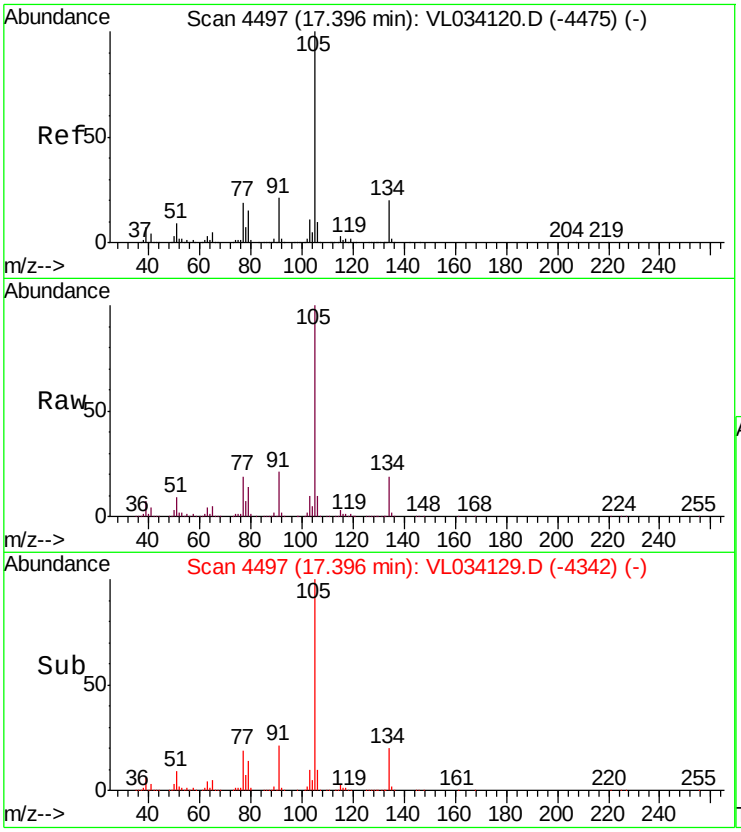


#66
Benzyl Chloride
Concen: 9.358 ppbv
RT: 17.09 min Scan# 4403
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 91 Resp: 1322982

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.7	20.5
128	5.2	4.2	6.4



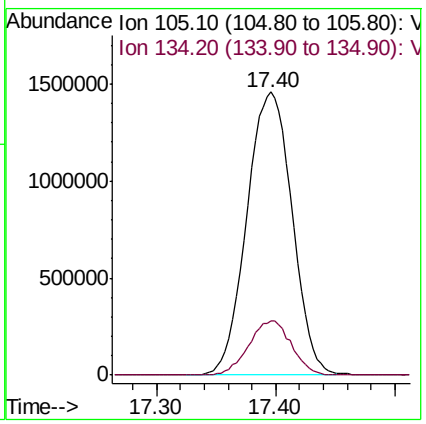


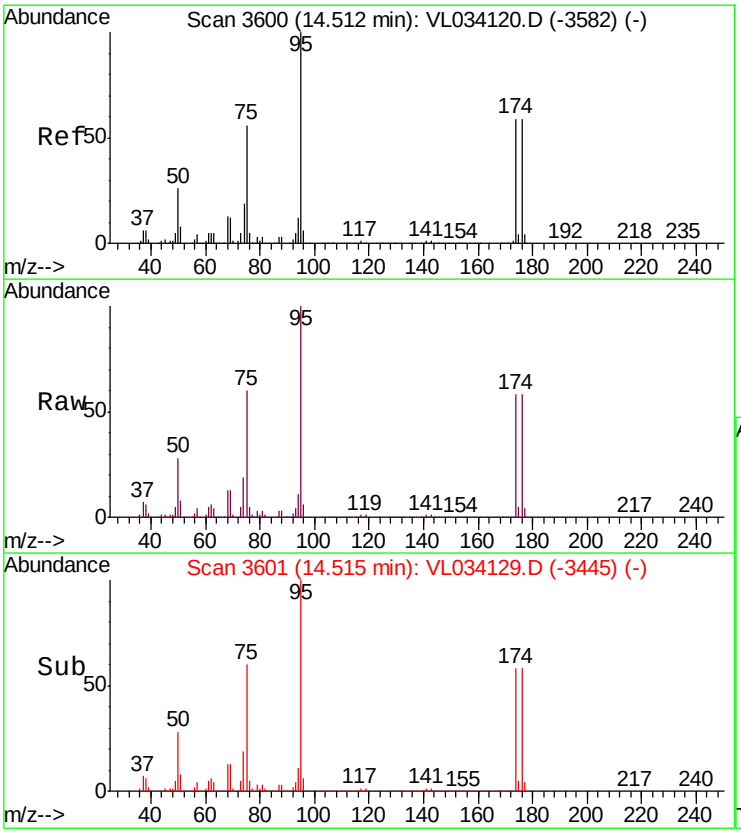
#67
sec-Butylbenzene
Concen: 6.966 ppbv
RT: 17.40 min Scan# 4497
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:105 Resp: 3840805

Ion	Ratio	Lower	Upper
105	100		
134	18.2	15.0	22.4

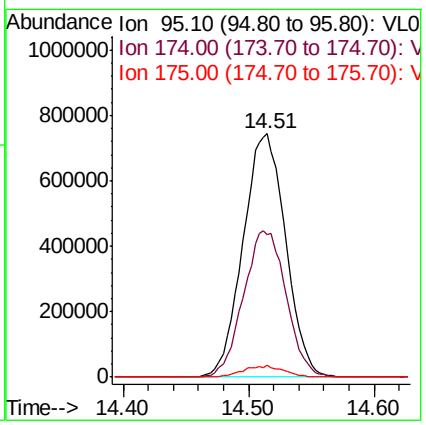


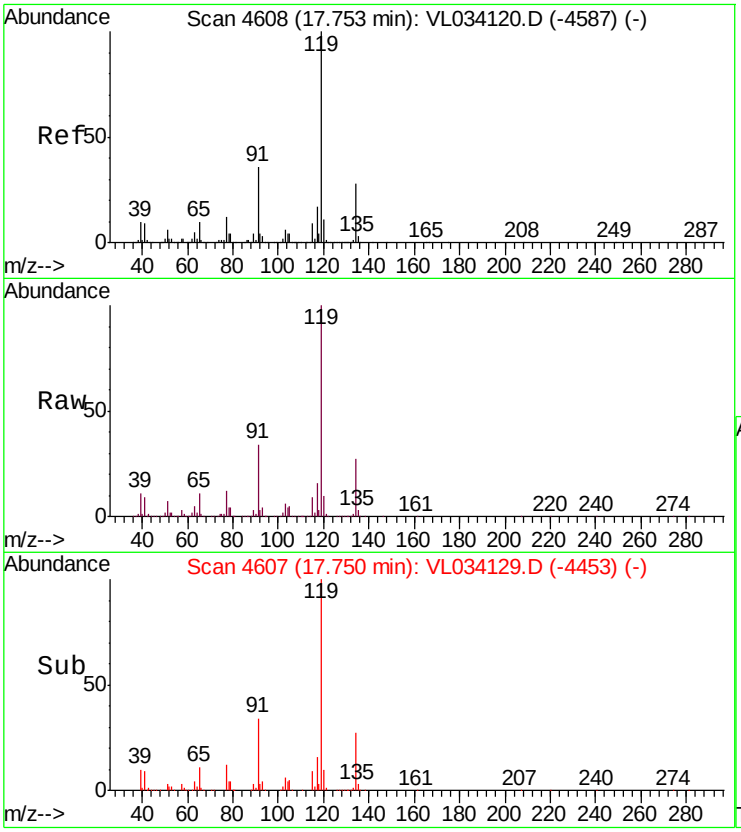


#68
1-Bromo-4-Fluorobenzene
Concen: 8.386 ppbv
RT: 14.51 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 95 Resp: 1757041

Ion	Ratio	Lower	Upper
95	100		
174	60.2	48.1	72.1
175	4.4	3.5	5.3



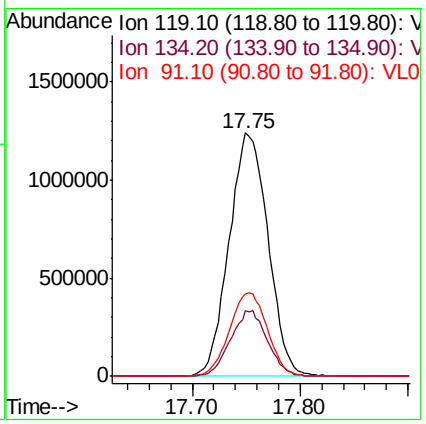


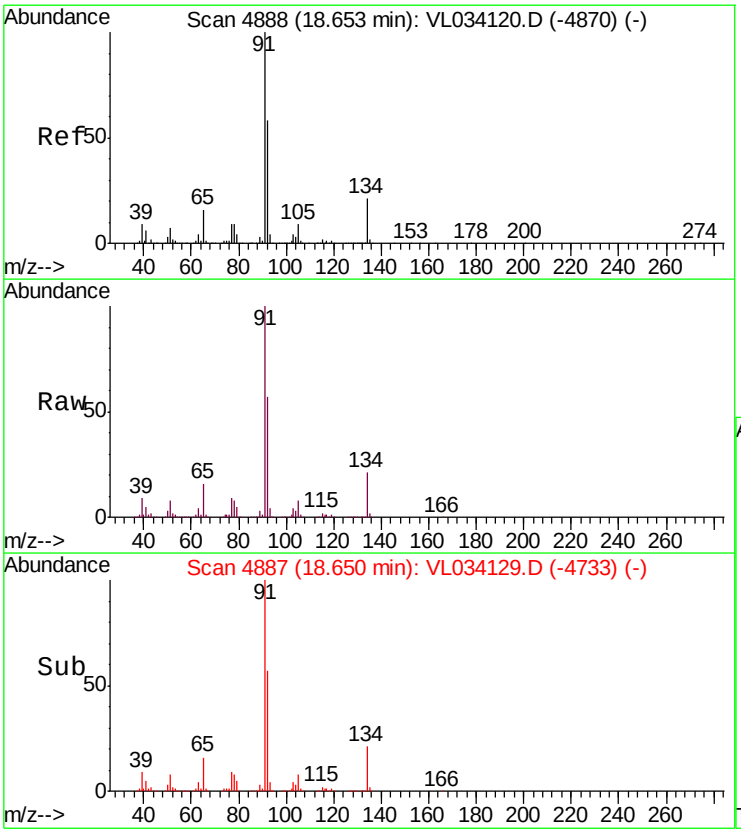
#69
p-Isopropyltoluene
Concen: 7.032 ppbv
RT: 17.75 min Scan# 4607
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion:119 Resp: 3102185

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.8	31.2
91	33.8	27.2	40.8

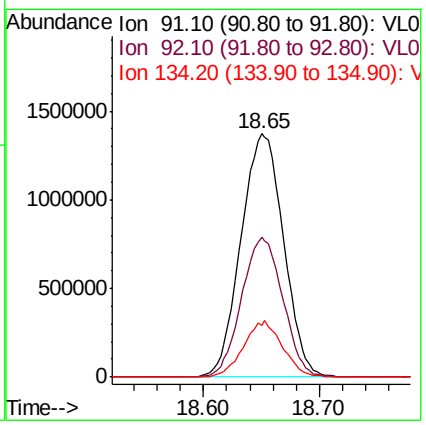


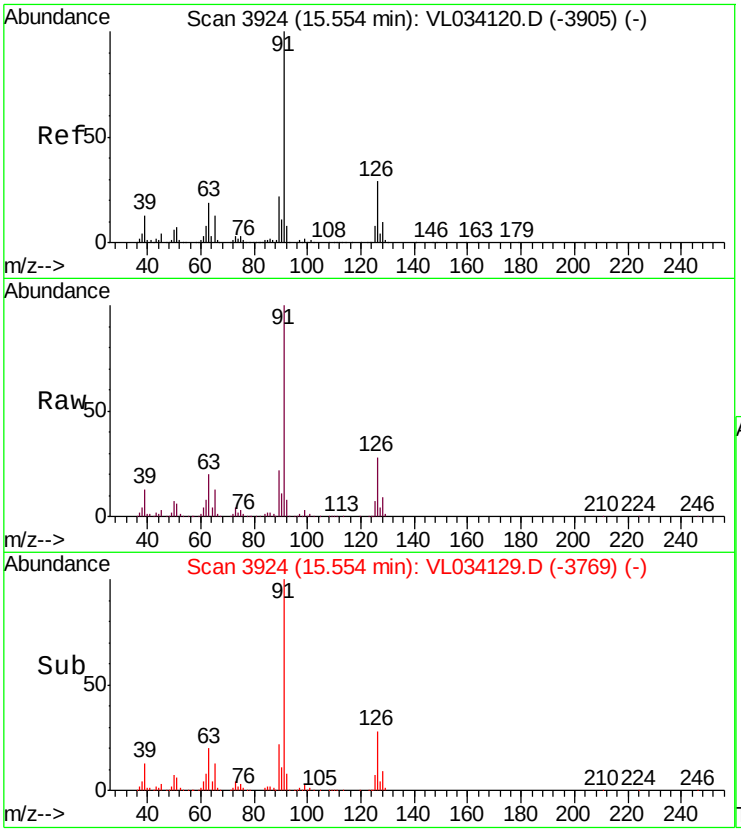


#70
n-Butylbenzene
Concen: 6.981 ppbv
RT: 18.65 min Scan# 4887
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion: 91 Resp: 3504272

Ion	Ratio	Lower	Upper
91	100		
92	55.7	45.3	67.9
134	21.2	17.4	26.0



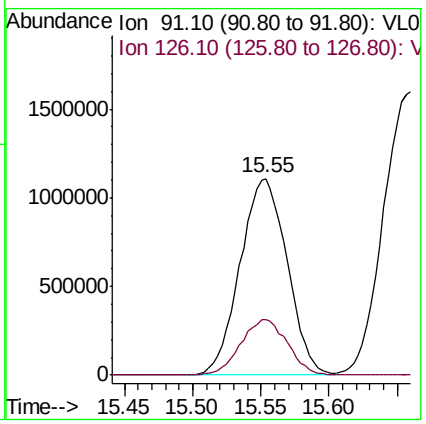


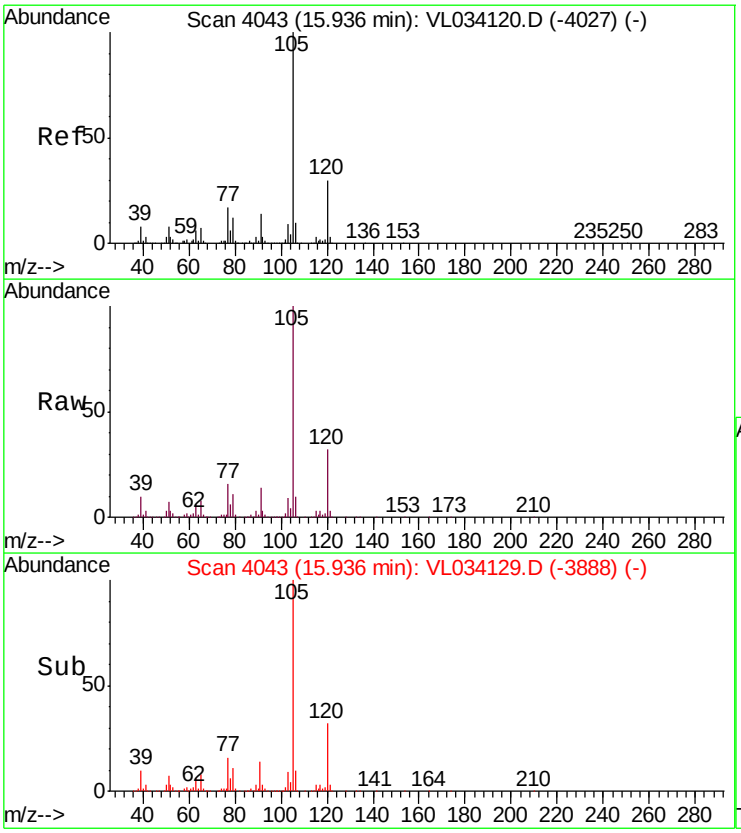
#71
2-Chlorotoluene
Concen: 7.306 ppbv
RT: 15.55 min Scan# 3924
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument : MSVOA_L
ClientSampleId : VL0905ABS01

Tgt Ion: 91 Resp: 2651667

Ion	Ratio	Lower	Upper
91	100		
126	28.0	11.4	45.4

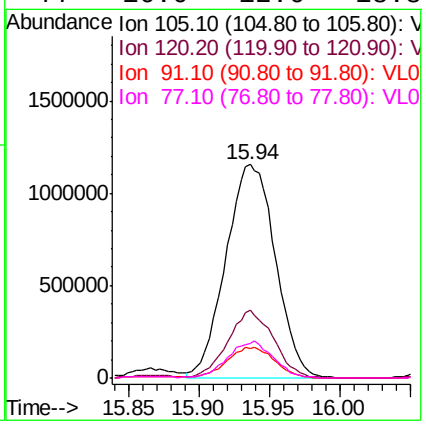


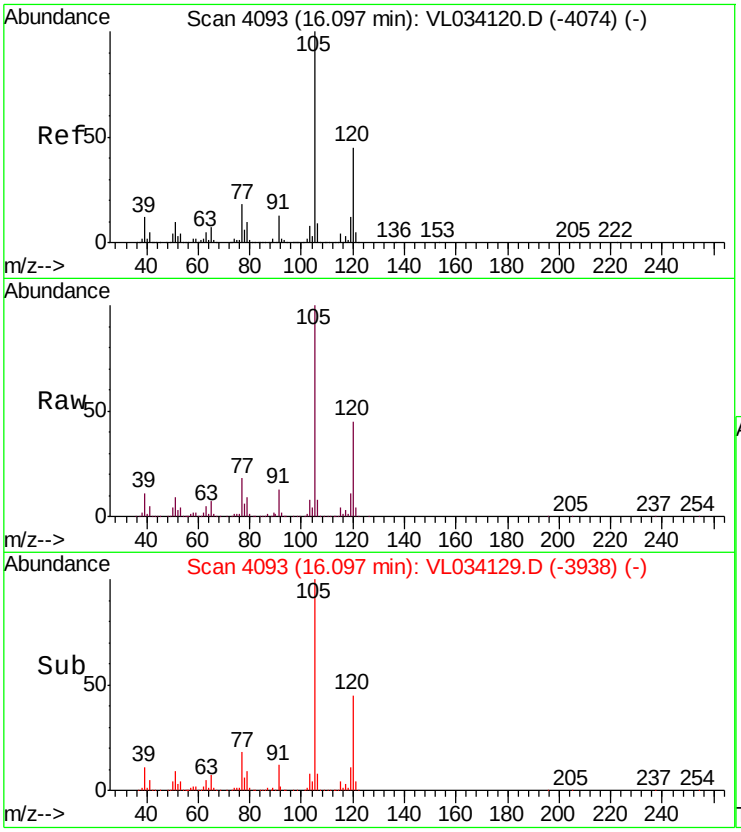


#72
4-Ethyltoluene
Concen: 7.338 ppbv
RT: 15.94 min Scan# 4043
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:105 Resp: 2827306

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.8	35.6
91	13.8	11.4	17.0
77	16.0	12.6	18.8



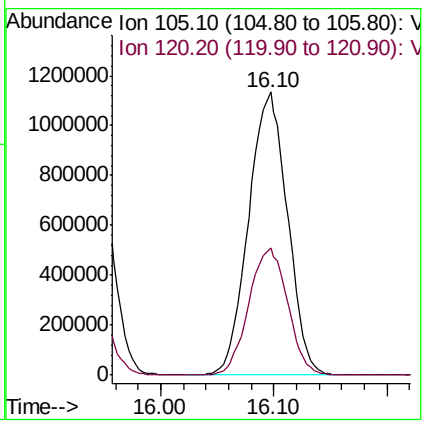


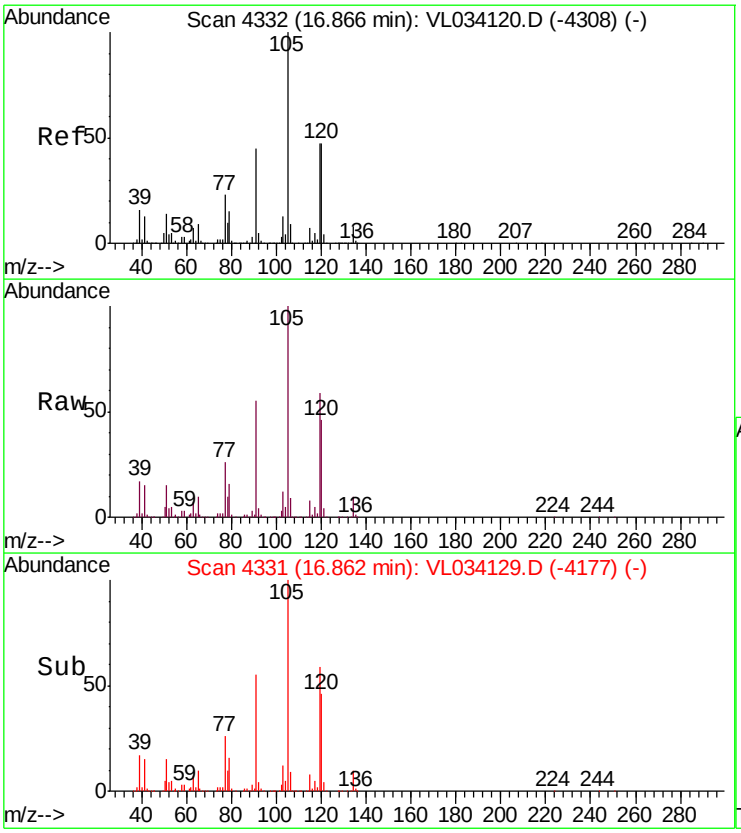
#73
1,3,5-Trimethylbenzene
Concen: 7.205 ppbv
RT: 16.10 min Scan# 4093
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:105 Resp: 2697745

Ion	Ratio	Lower	Upper
105	100		
120	44.7	35.8	53.8

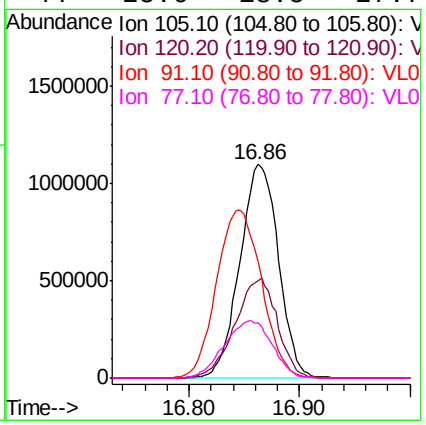


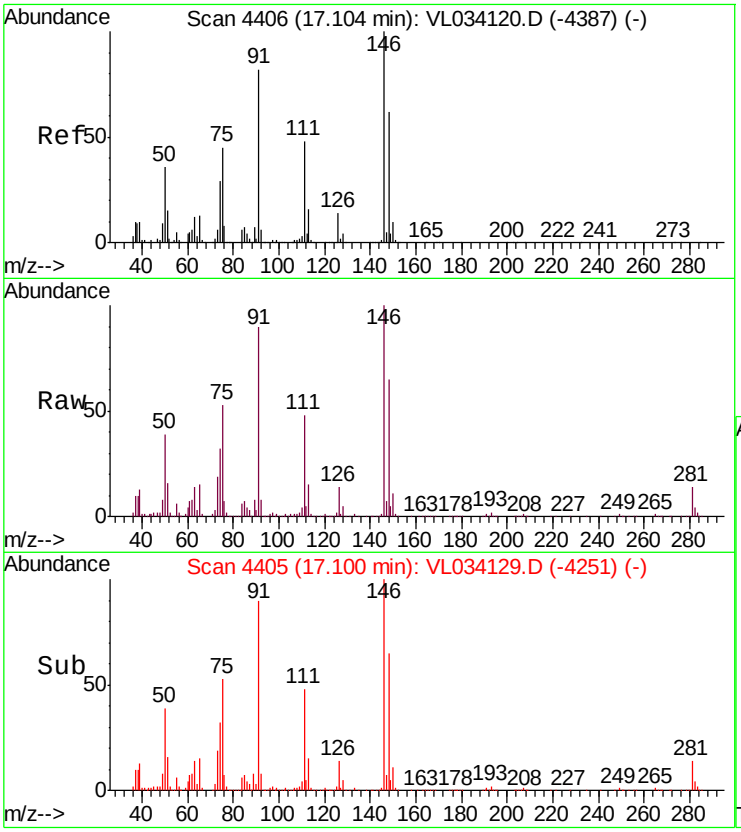


#74
1,2,4-Trimethylbenzene
Concen: 6.910 ppbv
RT: 16.86 min Scan# 4331
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:105 Resp: 2664310

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.7	56.5
91	54.4	36.2	54.2#
77	25.6	18.5	27.7



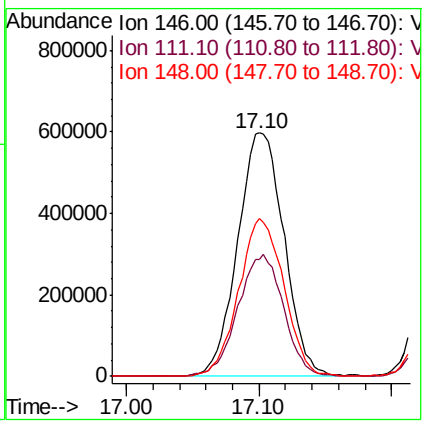


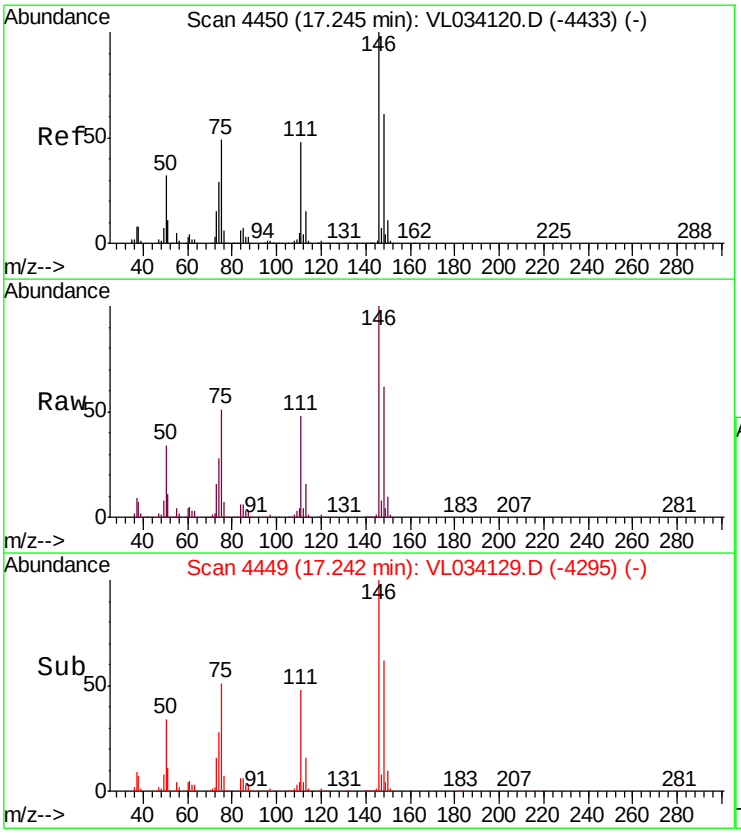
#75
1,3-Dichlorobenzene
Concen: 7.093 ppbv
RT: 17.10 min Scan# 4405
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:146 Resp: 1449195

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.9	74.7
148	63.8	32.5	97.5

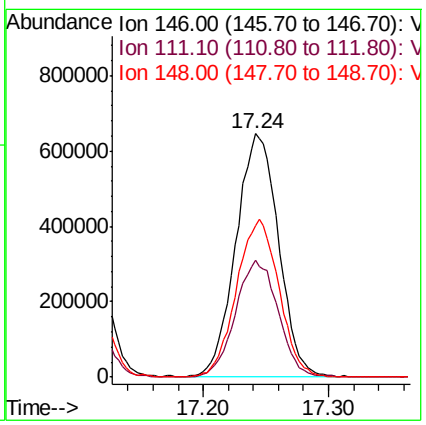


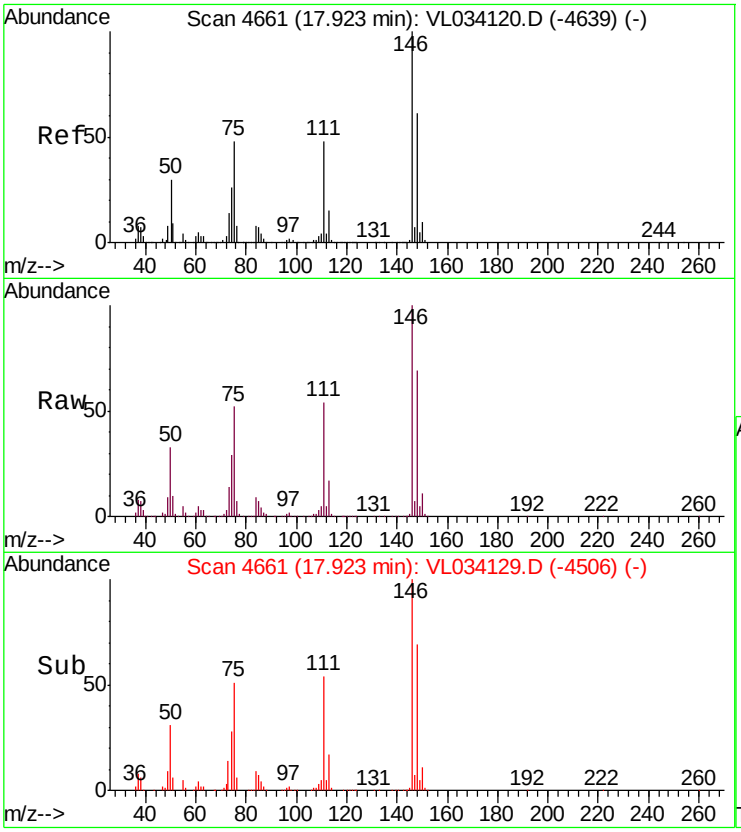


#76
1,4-Dichlorobenzene
Concen: 7.050 ppbv
RT: 17.24 min Scan# 4449
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:146 Resp: 1509657

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	72.8
148	65.1	32.6	98.0



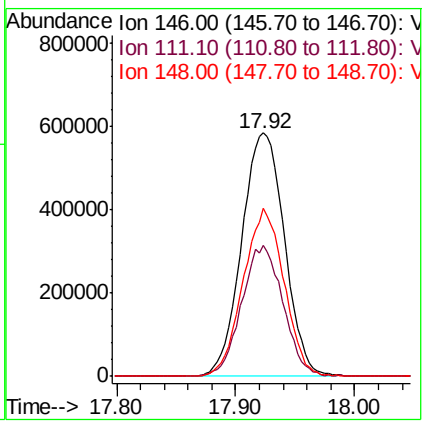


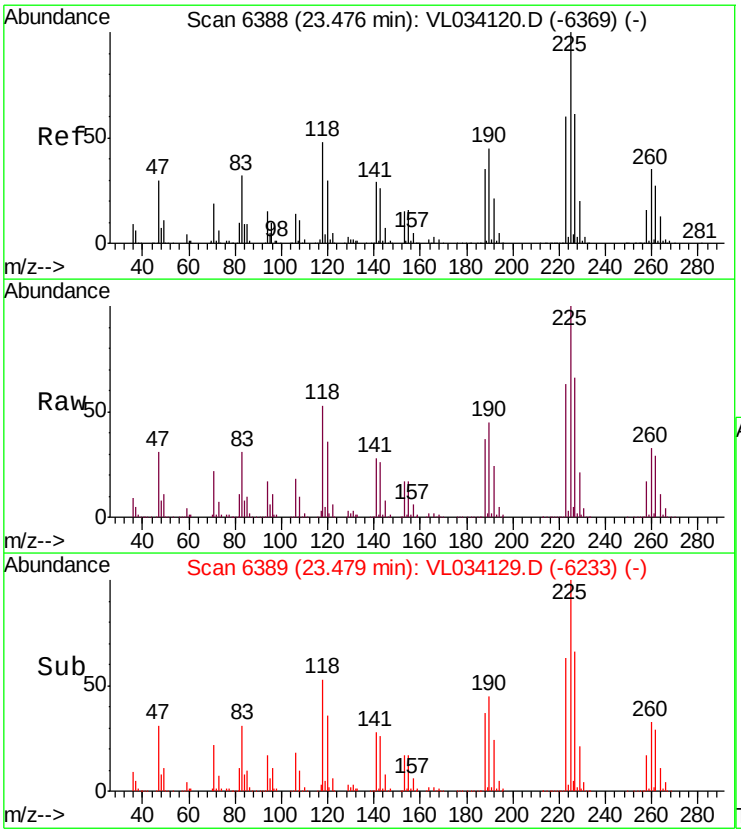
#77
1,2-Dichlorobenzene
Concen: 6.945 ppbv
RT: 17.92 min Scan# 4661
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:146 Resp: 1452527

Ion	Ratio	Lower	Upper
146	100		
111	52.0	25.1	75.4
148	65.9	32.0	96.2

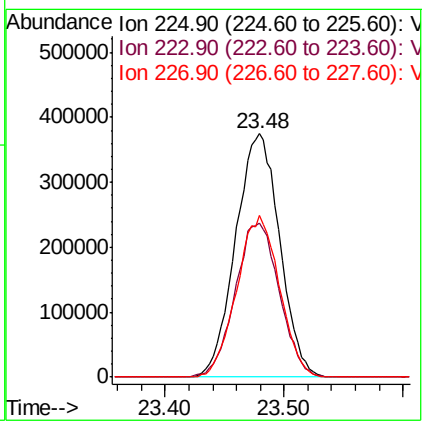


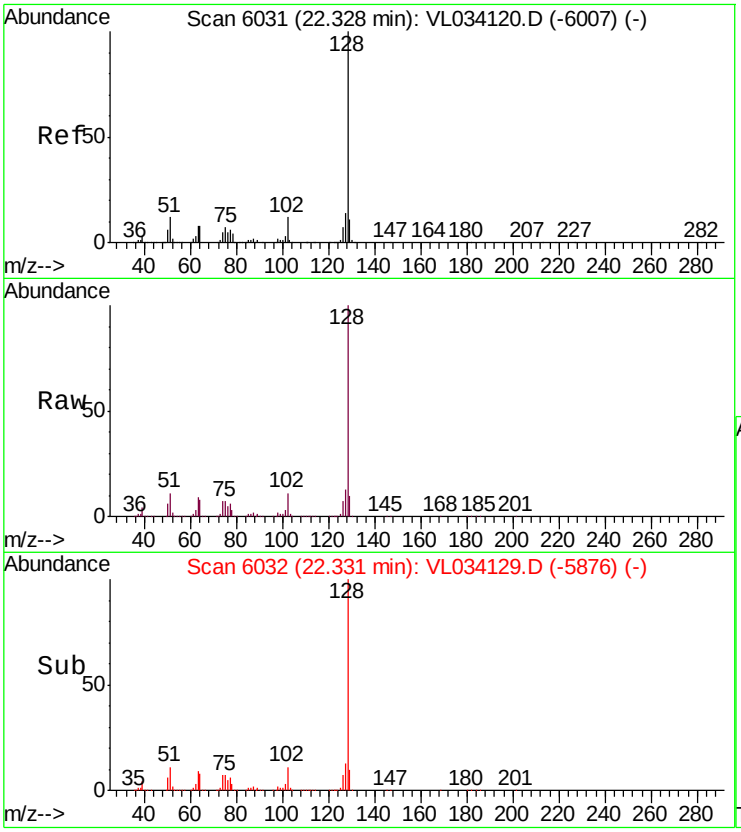


#78
Hexachloro-1,3-Butadiene
Concen: 6.718 ppbv
RT: 23.48 min Scan# 6389
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:225 Resp: 958593

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	64.3	50.9	76.3



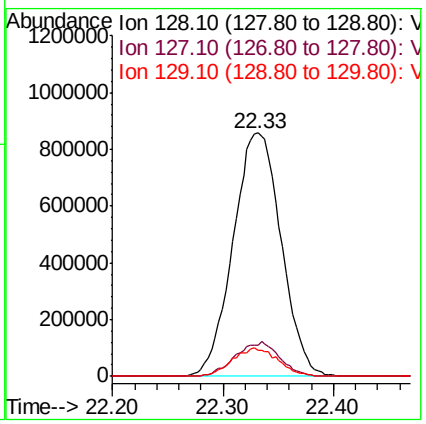


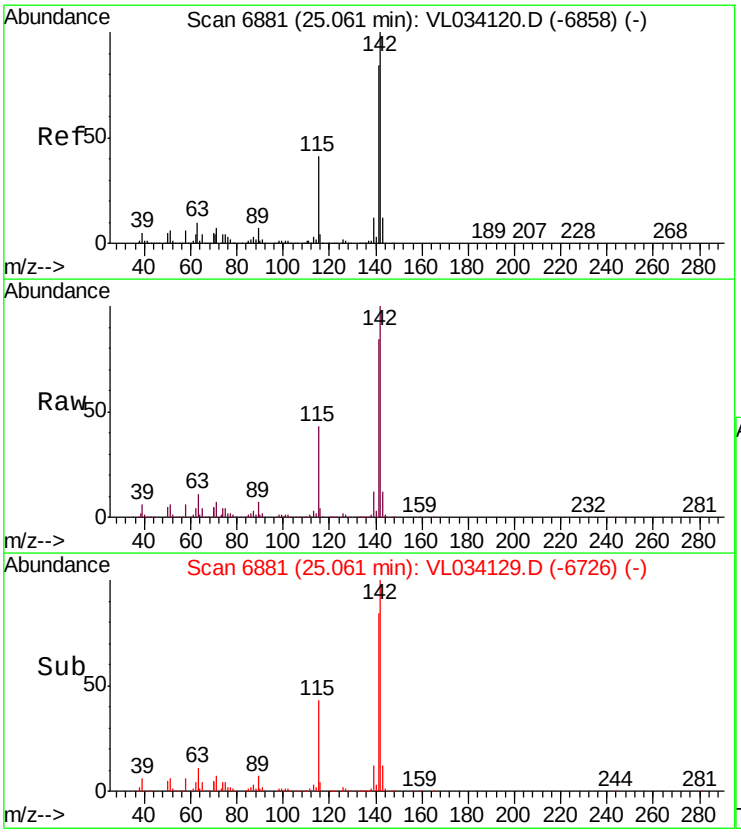
#79
Naphthalene
Concen: 7.366 ppbv
RT: 22.33 min Scan# 6032
Delta R.T. 0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:128 Resp: 2567596

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.9	16.3
129	10.5	8.5	12.7

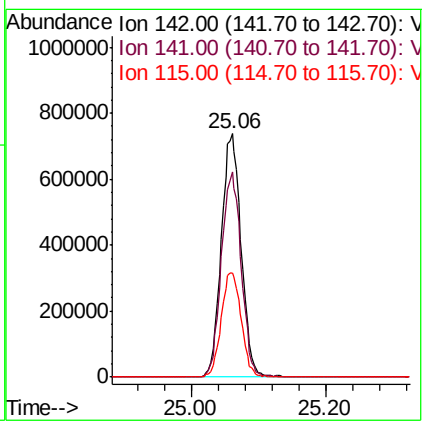


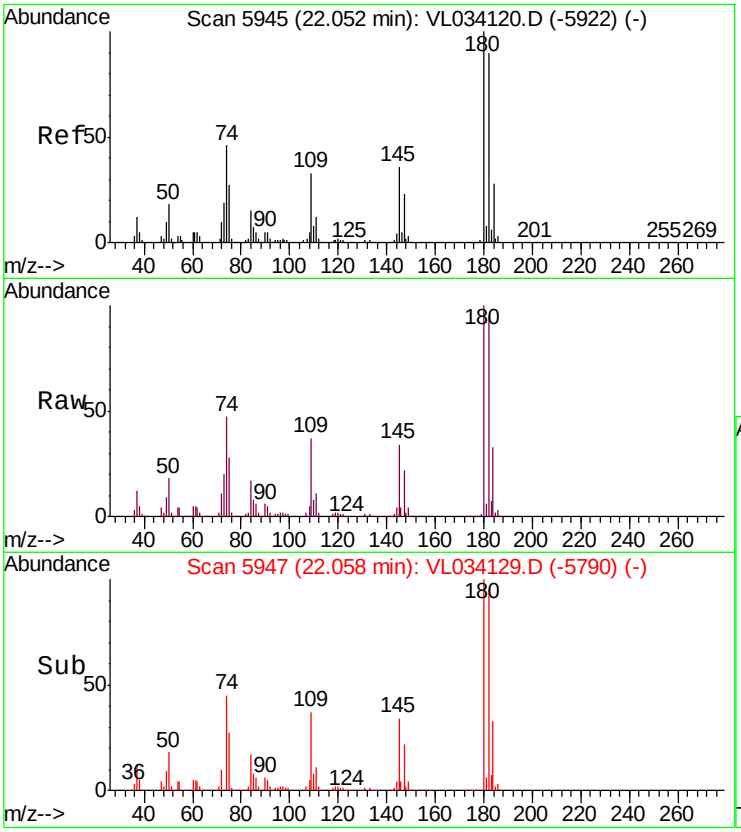


#80
Naphthalene,2-methyl-
Concen: 12.555 ppbv
RT: 25.06 min Scan# 6881
Delta R.T. -0.00 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Tgt Ion:142 Resp: 1519178

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.6	101.4
115	43.2	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 7.288 ppbv
RT: 22.06 min Scan# 5947
Delta R.T. 0.01 min
Lab File: VL034129.D
Acq: 5 Sep 2019 10:11

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

Tgt Ion:180 Resp: 1382329

Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.0	115.4
184	31.0	25.5	38.3