Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034095.D
Acq On : 5 Aug 2019 21:07
Operator : SY/AP
Sample : VL0805ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Quant Time: Aug 06 07:04:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1130215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2325670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2967320	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2012981	8.36	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1331486	9.572	ppbv	100
3) Chlorodifluoromethane	2.99	51	1067052	8.164	ppbv	100
4) Chloromethane	3.14	50	693948	8.236	ppbv	97
5) Vinyl Chloride	3.26	62	619170	8.340	ppbv	99
6) Bromomethane	3.48	94	335022	8.733	ppbv	97
7) Chloroethane	3.57	64	228498	8.215	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	1294677	8.069	ppbv	96
9) Propene	3.01	41	632982	8.215	ppbv	98
10) Heptane	8.19	43	1612015	8.088	ppbv	99
11) Trichlorofluoromethane	3.97	101	1332943	8.083	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	940084	8.079	ppbv	98
13) Ethanol	3.62	45	113582	5.231	ppbv	98
14) Bromoethene	3.75	108	417955	8.043	ppbv	95
15) Acetone	3.87	43	1144466	7.086	ppbv	100
16) 1,3-Butadiene	3.33	39	643607	8.195	ppbv	100
17) tert-Butyl alcohol	4.32	59	1200245	7.964	ppbv	100
18) 1,1-Dichloroethene	4.31	96	443817	8.064	ppbv	97
19) Isopropyl Alcohol	3.99	45	927022	7.372	ppbv	98
20) Methylene Chloride	4.37	84	385650	7.963	ppbv	93
21) Allyl Chloride	4.44	41	909962	8.140	ppbv	99
22) trans-1,2-Dichloroethene	4.92	96	439007	8.209	ppbv	99
23) Vinyl Acetate	5.11	43	2081854	7.774	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1294520	8.125	ppbv	100
25) Ethyl Acetate	5.72	43	2488888	7.835	ppbv	100
26) Hexane	5.73	57	1072301	7.964	ppbv	99
27) Carbon Disulfide	4.58	76	1184857	8.346	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	1812846	8.051	ppbv	99
29) Chloroform	5.81	83	1510094	8.250	ppbv	97
30) Cyclohexane	7.20	84	898861	8.451	ppbv	98
31) cis-1,2-Dichloroethene	5.60	61	1103871	8.300	ppbv	98
32) 1,1,1-Trichloroethane	6.57	97	1467298	8.100	ppbv	100
34) 2-Butanone	5.29	43	1726358	7.984	ppbv	98
35) Carbon Tetrachloride	7.08	117	1408901	7.893	ppbv	98
36) Benzene	6.96	78	2146667	8.121	ppbv	97
37) 1,2-Dichloroethane	6.37	62	1187546	8.350	ppbv	99
38) Trichloroethene	7.91	130	734279	7.173	ppbv	98
39) 1,2-Dichloropropane	7.69	63	889910	8.344	ppbv	96
40) 1,4-Dioxane	7.90	88	311364	7.737	ppbv #	98
41) Tetrahydrofuran	6.10	42	1103130	8.293	ppbv	99
42) Bromodichloromethane	7.87	83	1667193	8.362	ppbv	100
43) Methyl Methacrylate	8.09	69	906956	8.365	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034095.D
Acq On : 5 Aug 2019 21:07
Operator : SY/AP
Sample : VL0805ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Quant Time: Aug 06 07:04:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3666259	7.747	ppbv		99
45) t-1,3-Dichloropropene	9.36	75	1169811	8.511	ppbv		100
46) cis-1,3-Dichloropropene	8.79	75	1344747	8.478	ppbv		99
47) 1,1,2-Trichloroethane	9.57	97	851353	8.349	ppbv		97
48) Dibromochloromethane	10.40	129	1339572	8.193	ppbv		100
49) Bromoform	13.15	173	1206263	8.251	ppbv		99
50) 4-Methyl-2-Pentanone	8.82	43	2609939	7.931	ppbv		100
51) 2-Hexanone	10.22	43	2240031	8.100	ppbv	#	99
52) Tetrachloroethene	11.32	164	739424	7.244	ppbv		94
53) Toluene	9.89	91	2463311	8.075	ppbv		99
54) 1,2-Dibromoethane	10.71	107	1272922	8.240	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.22	131	894734	6.595	ppbv		95
57) Chlorobenzene	12.25	112	1704947	6.380	ppbv		97
58) Ethyl Benzene	12.81	91	3237014	6.488	ppbv		100
59) m/p-Xylene	13.09	91	2800836	6.993	ppbv	#	43
60) o-Xylene	13.80	91	2559895	6.396	ppbv		100
61) Styrene	13.63	104	2092343	6.586	ppbv		99
62) Isopropylbenzene	14.77	105	3413661	6.354	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.78	83	1814907	6.277	ppbv		100
64) n-propylbenzene	15.67	120	932144	6.564	ppbv		97
65) tert-Butylbenzene	16.85	119	2966045	6.198	ppbv		98
66) Benzyl Chloride	17.10	91	1774165	6.697	ppbv		98
67) sec-Butylbenzene	17.41	105	4187362	6.200	ppbv		99
69) p-Isopropyltoluene	17.76	119	3499157	6.281	ppbv		99
70) n-Butylbenzene	18.66	91	3879174	6.455	ppbv		98
71) 2-Chlorotoluene	15.56	91	2774320	6.422	ppbv		99
72) 4-Ethyltoluene	15.95	105	3042889	6.460	ppbv		99
73) 1,3,5-Trimethylbenzene	16.10	105	2931417	6.469	ppbv		98
74) 1,2,4-Trimethylbenzene	16.87	105	2943377	6.243	ppbv		95
75) 1,3-Dichlorobenzene	17.11	146	1697451	6.429	ppbv		99
76) 1,4-Dichlorobenzene	17.25	146	1746273	6.472	ppbv		99
77) 1,2-Dichlorobenzene	17.93	146	1691598	6.498	ppbv		99
78) Hexachloro-1,3-Butadiene	23.48	225	1170527	5.672	ppbv		99
79) Naphthalene	22.34	128	2983492	6.094	ppbv		98
80) Naphthalene,2-methyl-	25.07	142	690287	4.496	ppbv		99
81) 1,2,4-Trichlorobenzene	22.06	180	1698861	6.251	ppbv		100

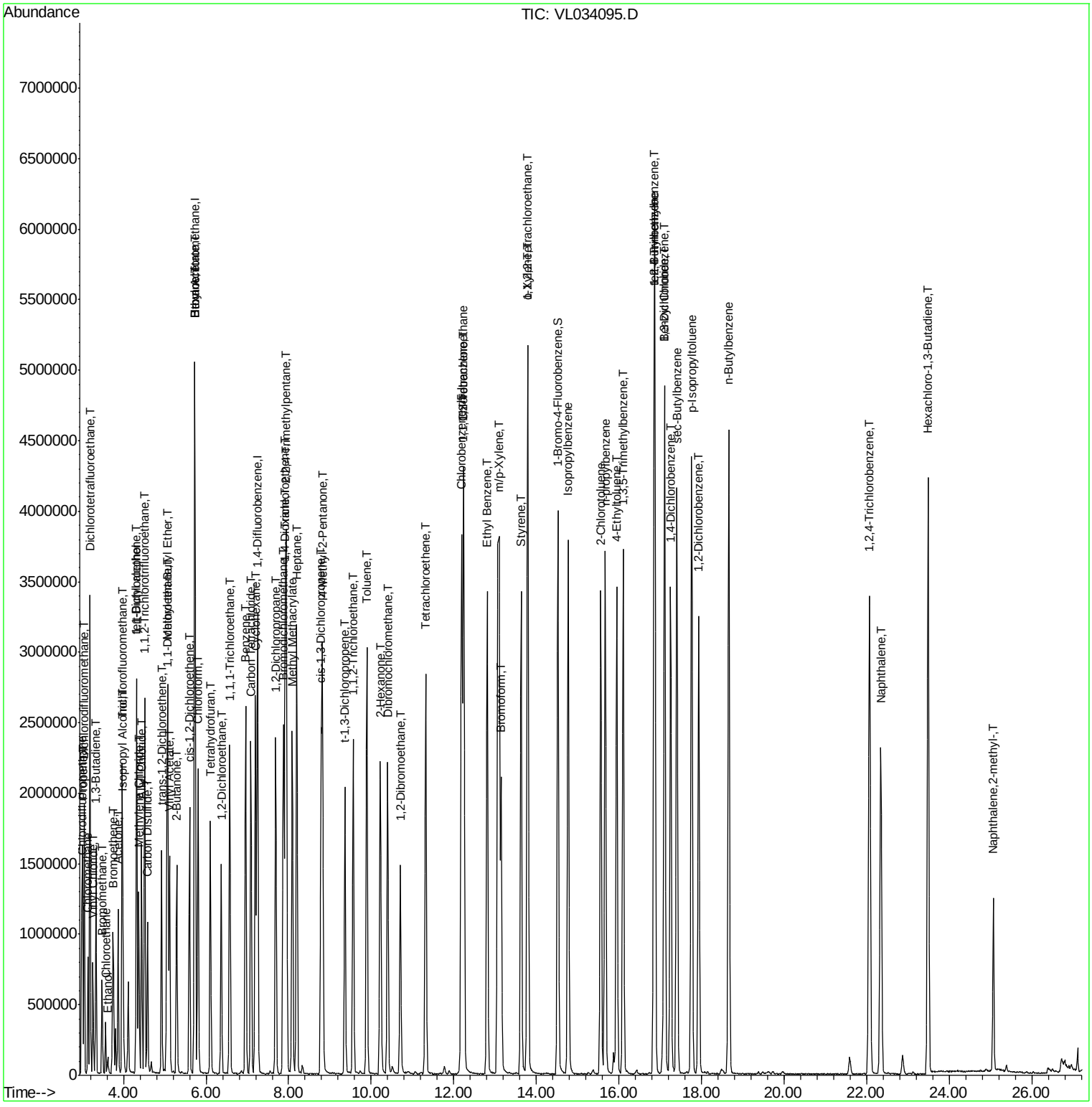
(#) = qualifier out of range (m) = manual integration (+) = signals summed

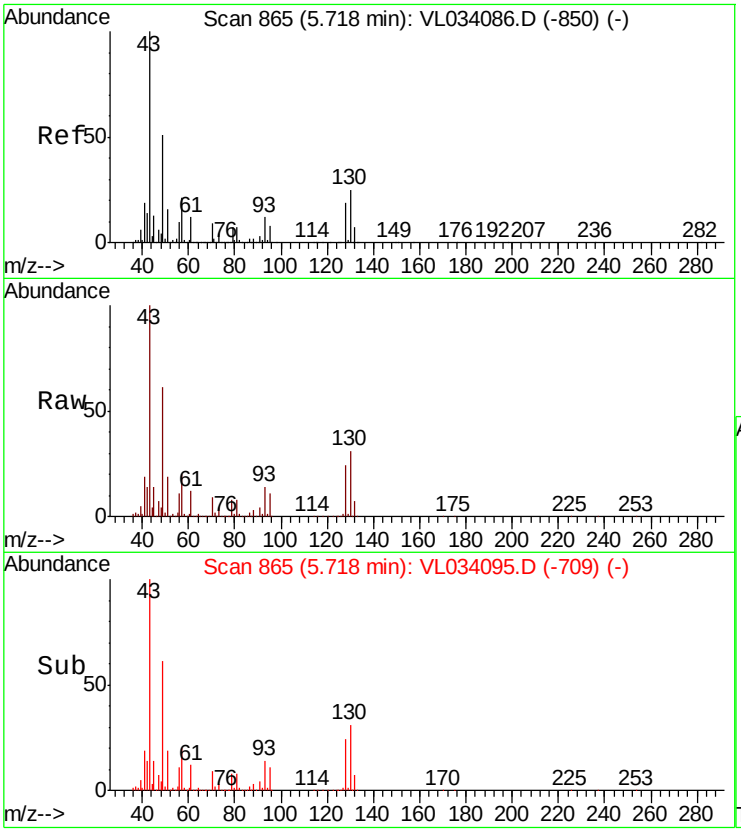
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034095.D
Acq On : 5 Aug 2019 21:07
Operator : SY/AP
Sample : VL0805ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Quant Time: Aug 06 07:04:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration



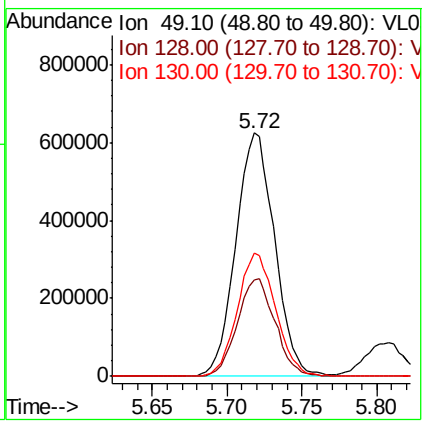


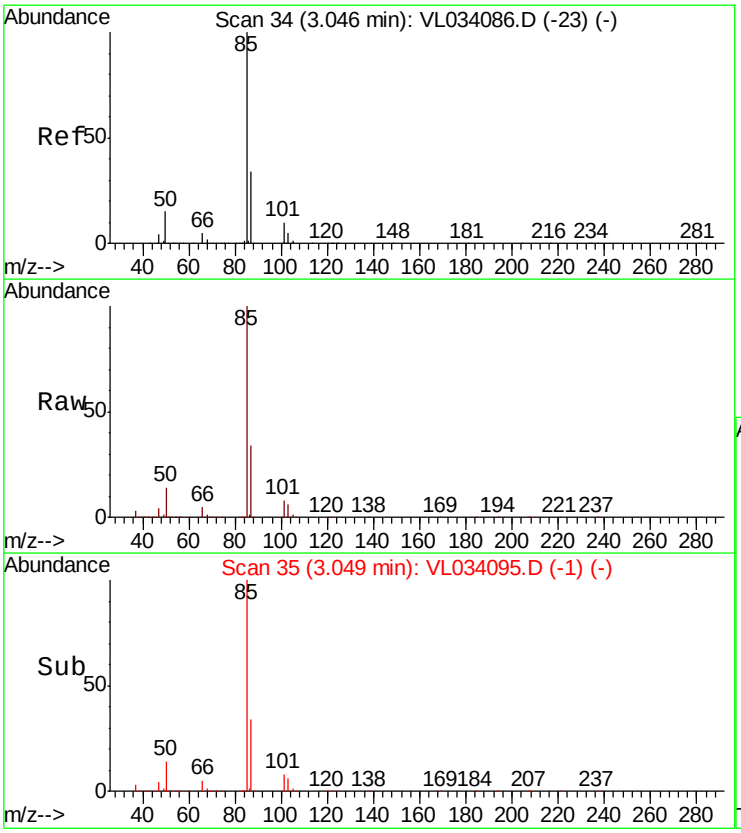
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 865
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 49 Resp: 1130215

Ion	Ratio	Lower	Upper
49	100		
128	39.2	19.5	58.5
130	50.2	25.4	76.0

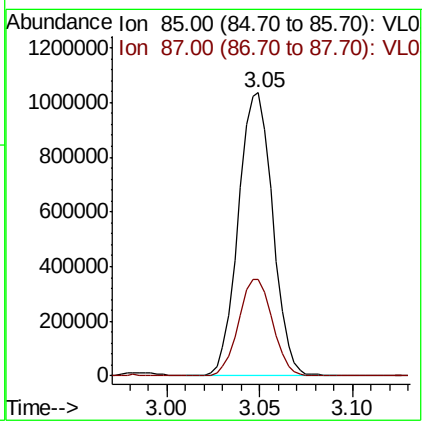


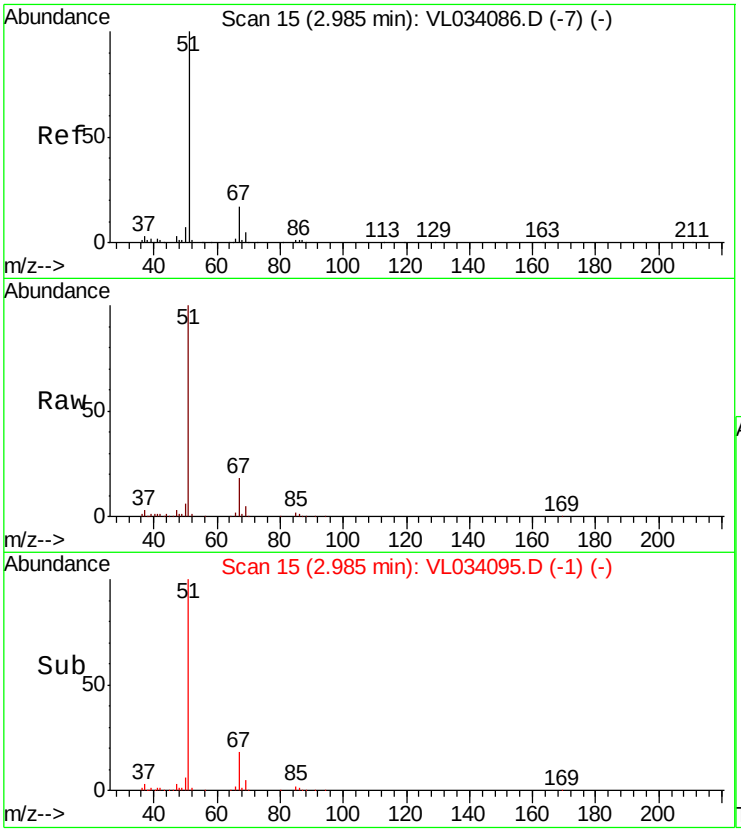


#2
Dichlorodifluoromethane
Concen: 9.572 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 85 Resp: 1331486

Ion	Ratio	Lower	Upper
85	100		
87	33.9	27.1	40.7



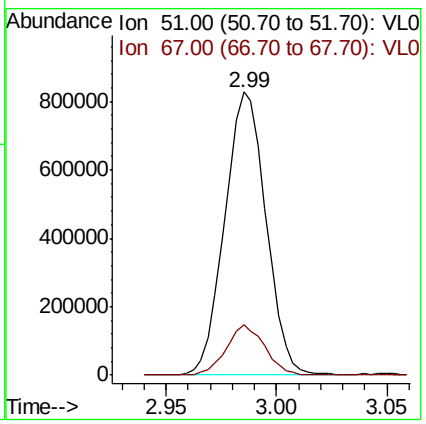


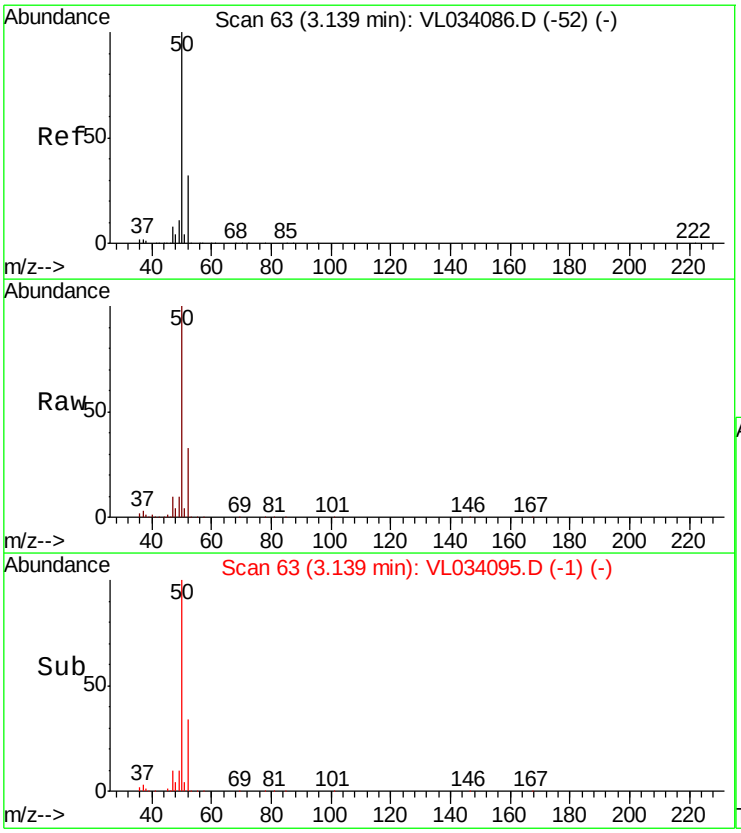
#3
Chlorodifluoromethane
Concen: 8.164 ppbv
RT: 2.99 min Scan# 15
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 51 Resp: 1067052

Ion	Ratio	Lower	Upper
51	100		
67	16.6	13.3	19.9

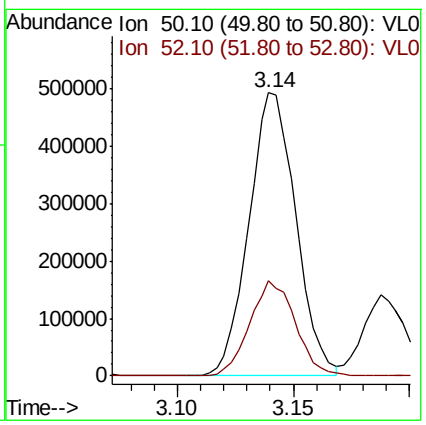


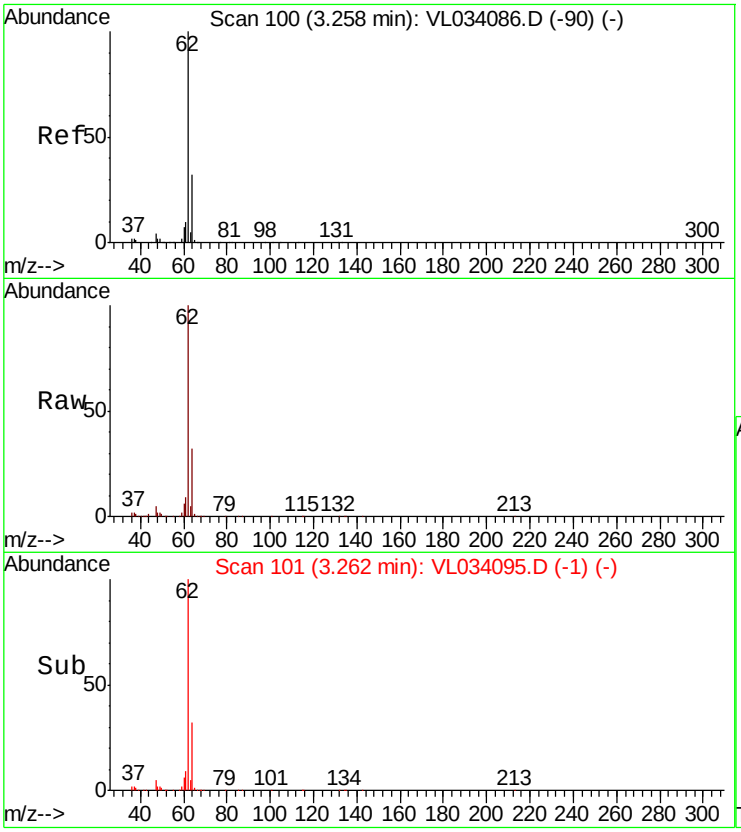


#4
Chloromethane
Concen: 8.236 ppbv
RT: 3.14 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 50 Resp: 693948

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.7	38.5



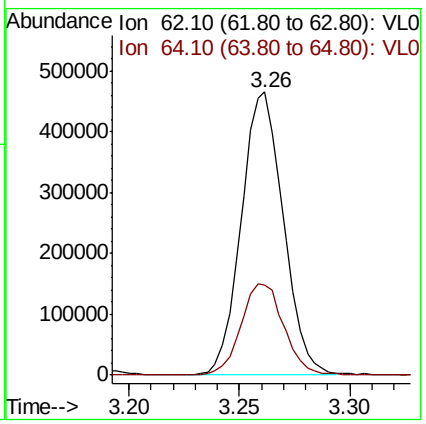


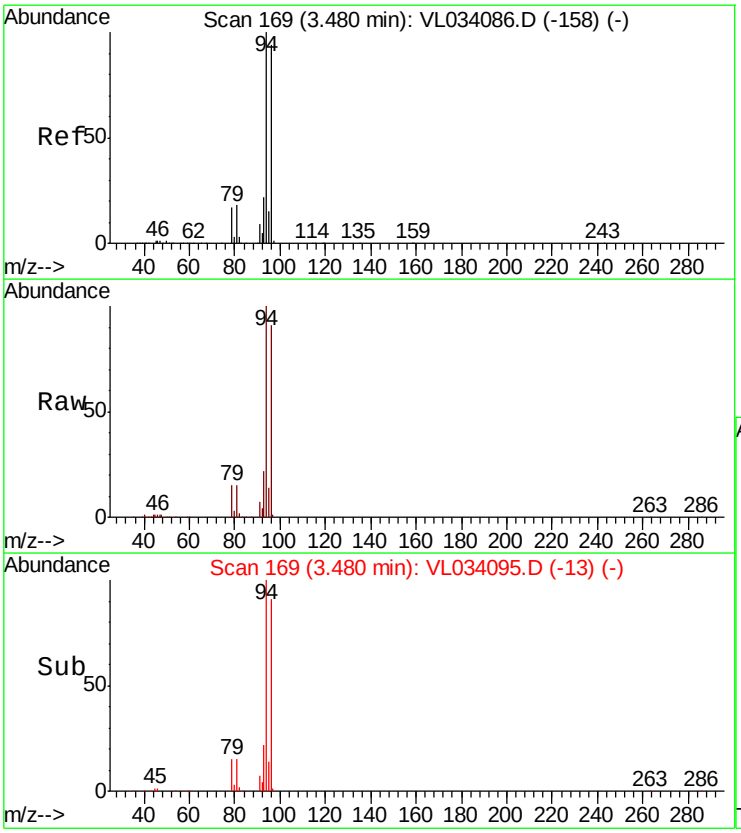
#5
Vinyl Chloride
Concen: 8.340 ppbv
RT: 3.26 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 62 Resp: 619170

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.8	38.6

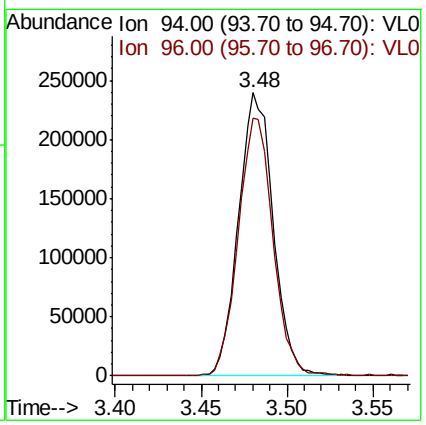


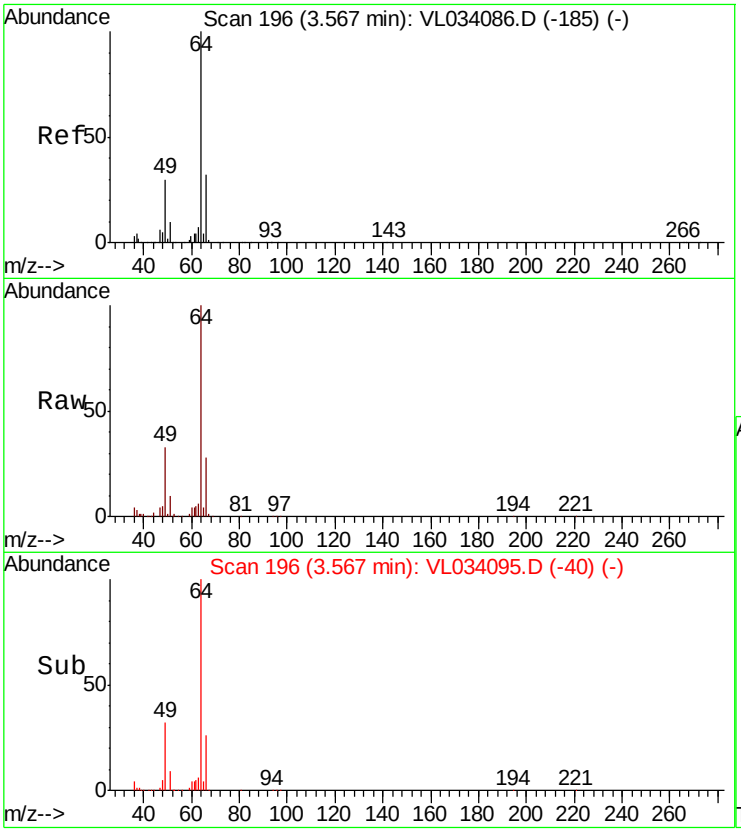


#6
Bromomethane
Concen: 8.733 ppbv
RT: 3.48 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 94 Resp: 335022

Ion	Ratio	Lower	Upper
94	100		
96	91.0	75.3	112.9



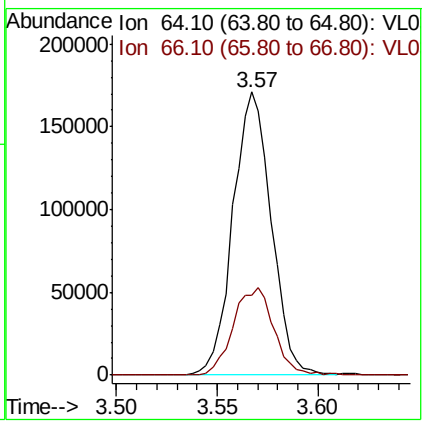


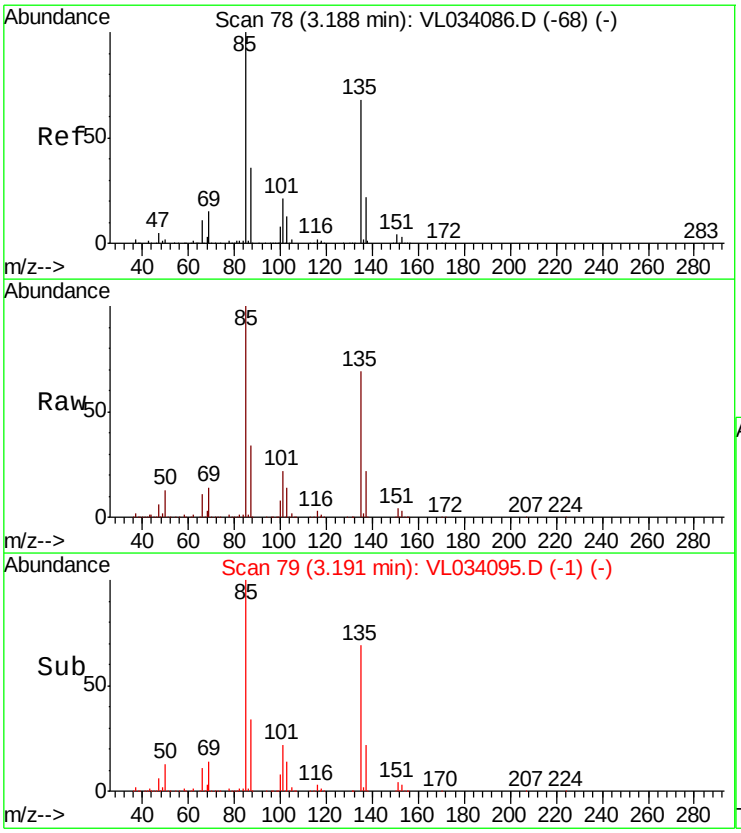
#7
Chloroethane
Concen: 8.215 ppbv
RT: 3.57 min Scan# 196
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 64 Resp: 228498

Ion	Ratio	Lower	Upper
64	100		
66	28.3	25.2	37.8

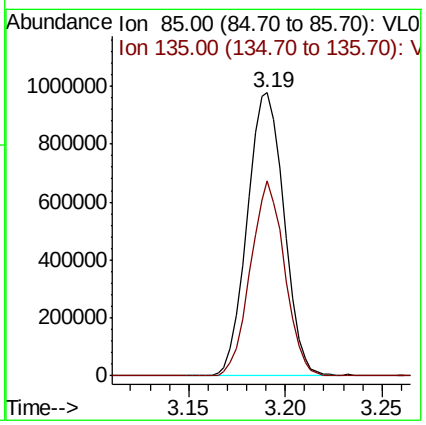


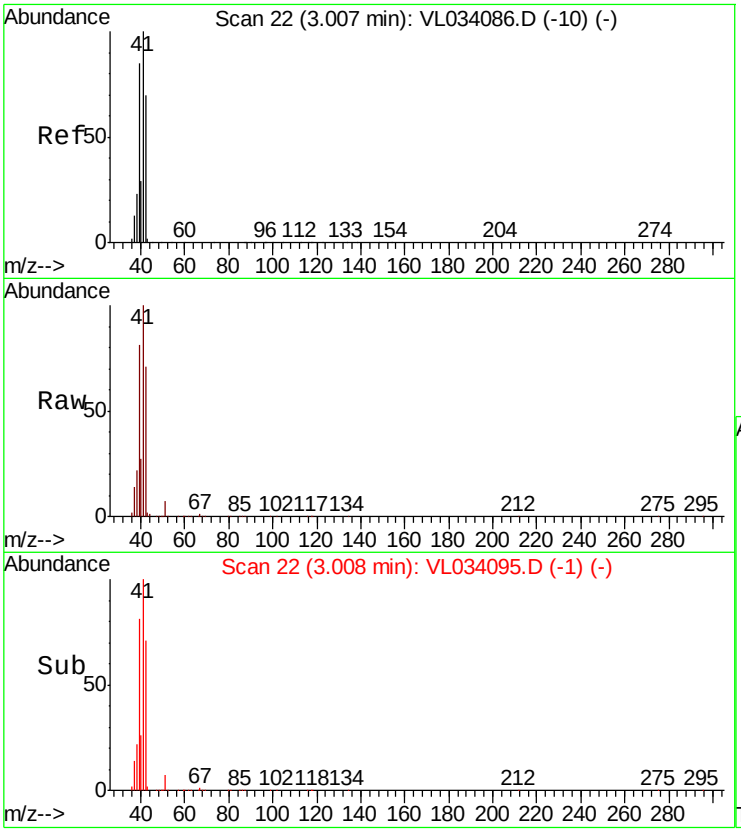


#8
Dichlorotetrafluoroethane
Concen: 8.069 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 85 Resp: 1294677

Ion	Ratio	Lower	Upper
85	100		
135	64.2	54.0	81.0



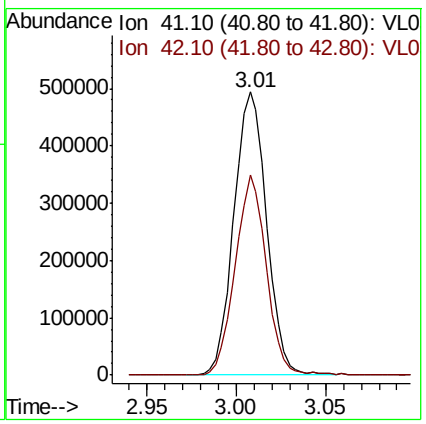


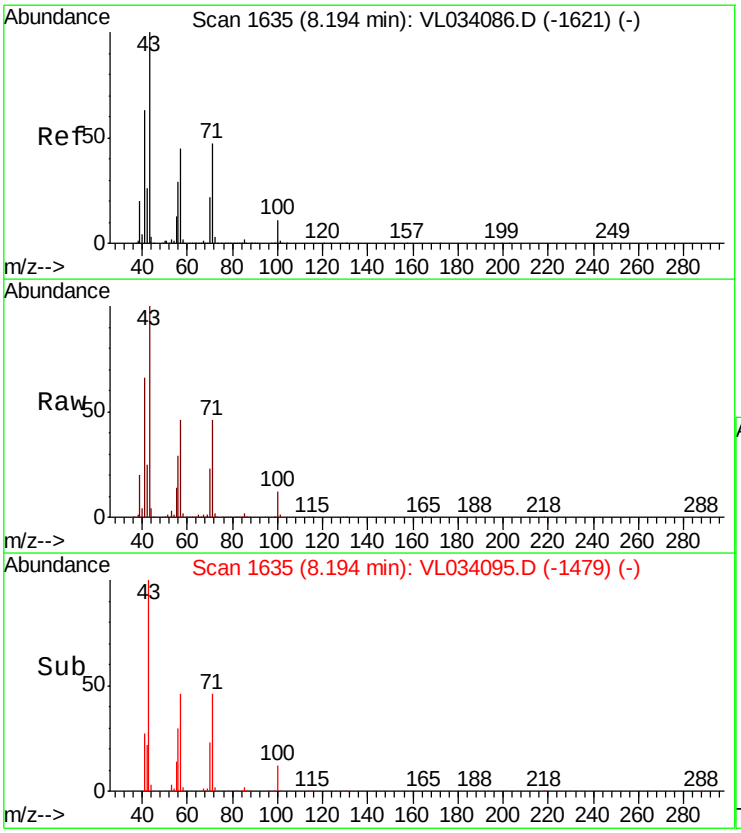
#9
Propene
Concen: 8.215 ppbv
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 41 Resp: 632982

Ion	Ratio	Lower	Upper
41	100		
42	67.7	55.8	83.6

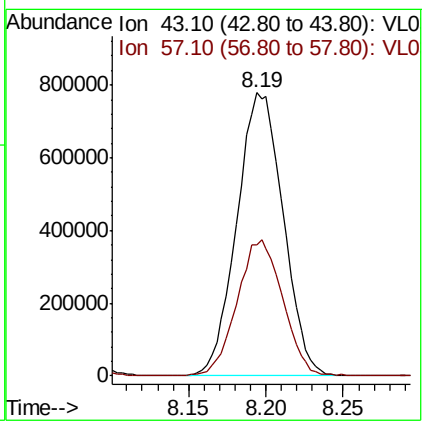


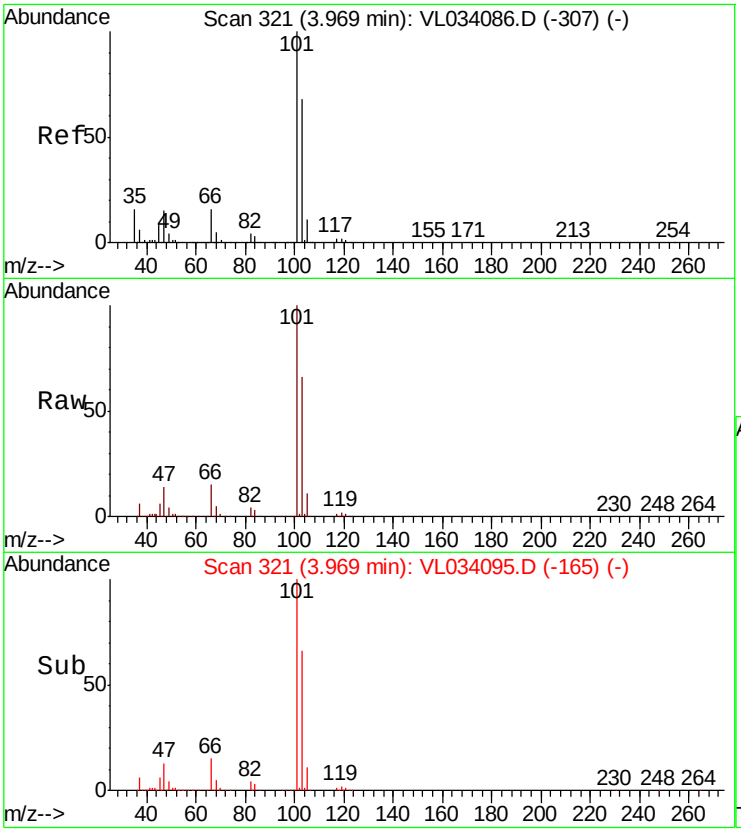


#10
Heptane
Concen: 8.088 ppbv
RT: 8.19 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 43 Resp: 1612015

Ion	Ratio	Lower	Upper
43	100		
57	47.4	37.2	55.8



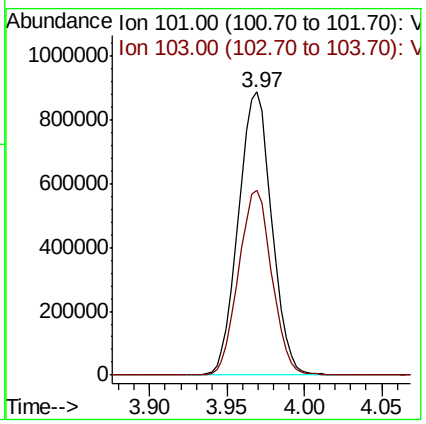


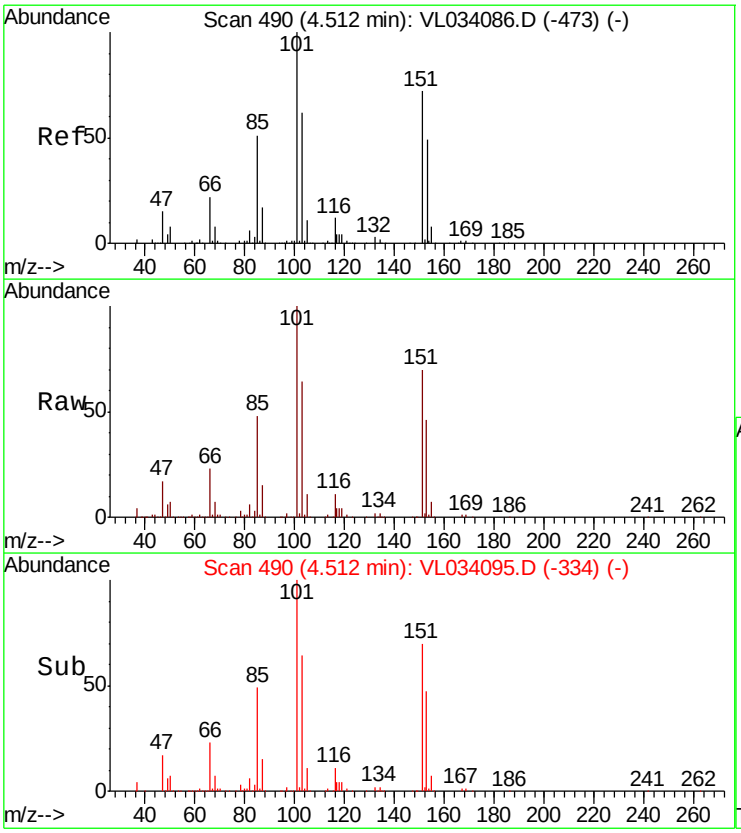
#11
Trichlorofluoromethane
Concen: 8.083 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:101 Resp: 1332943

Ion	Ratio	Lower	Upper
101	100		
103	65.5	54.3	81.5

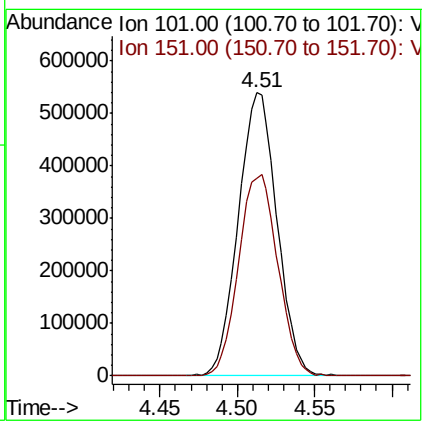


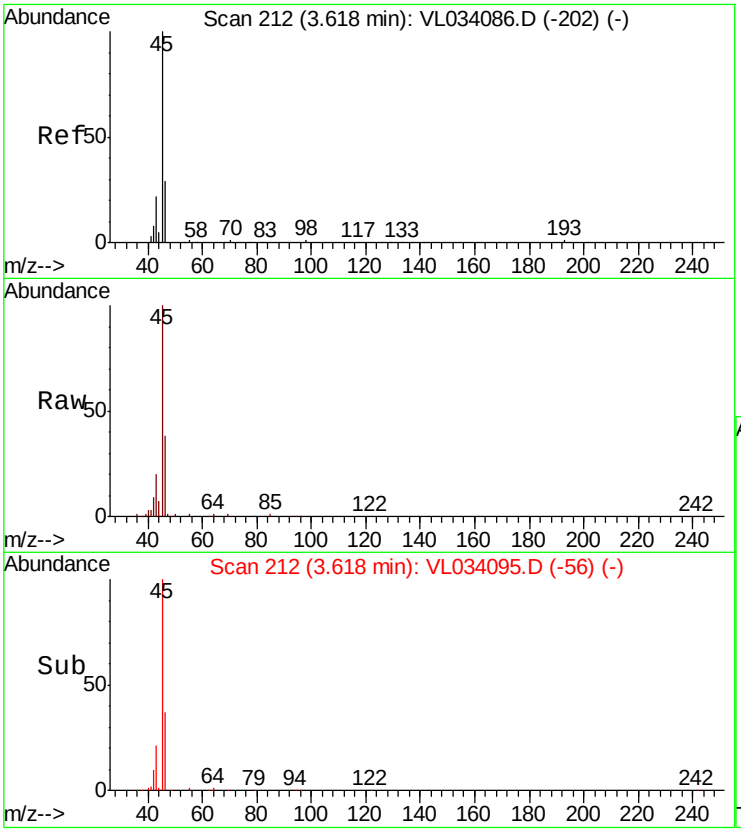


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.079 ppbv
RT: 4.51 min Scan# 490
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:101 Resp: 940084

Ion	Ratio	Lower	Upper
101	100		
151	72.2	59.4	89.0



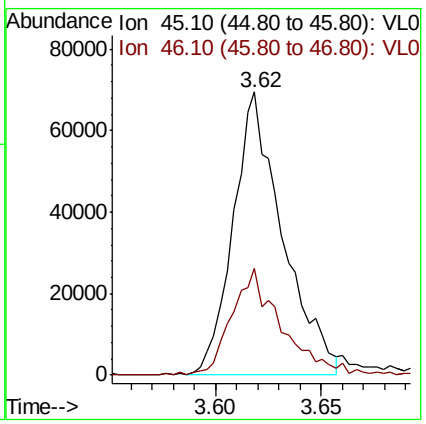


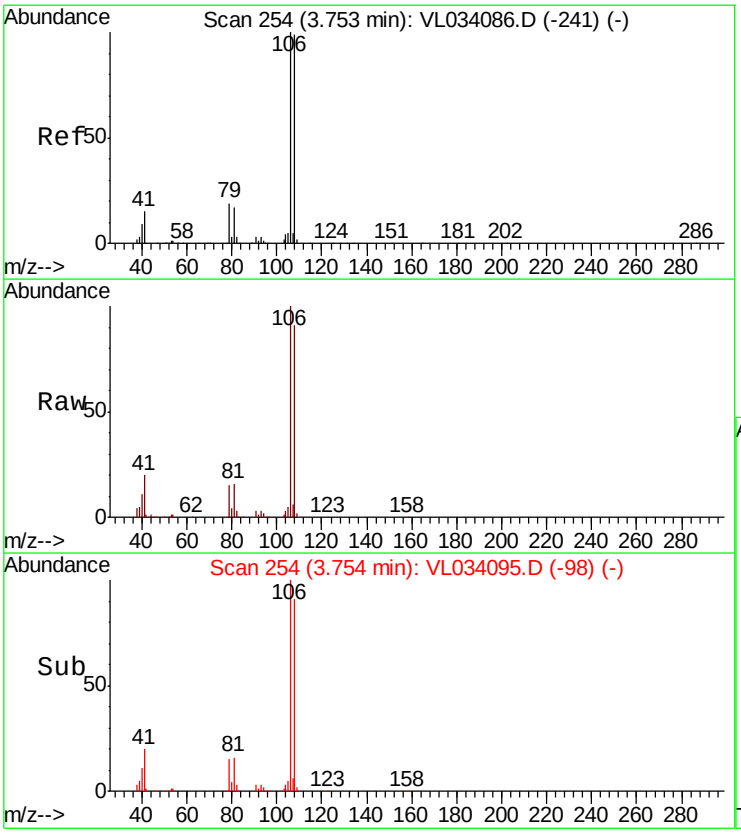
#13
Ethanol
Concen: 5.231 ppbv
RT: 3.62 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 45 Resp: 113582

Ion	Ratio	Lower	Upper
45	100		
46	38.7	14.9	59.5

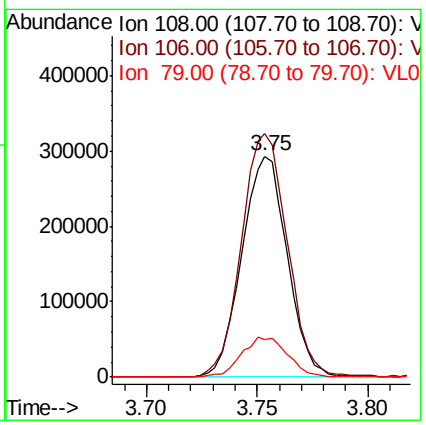


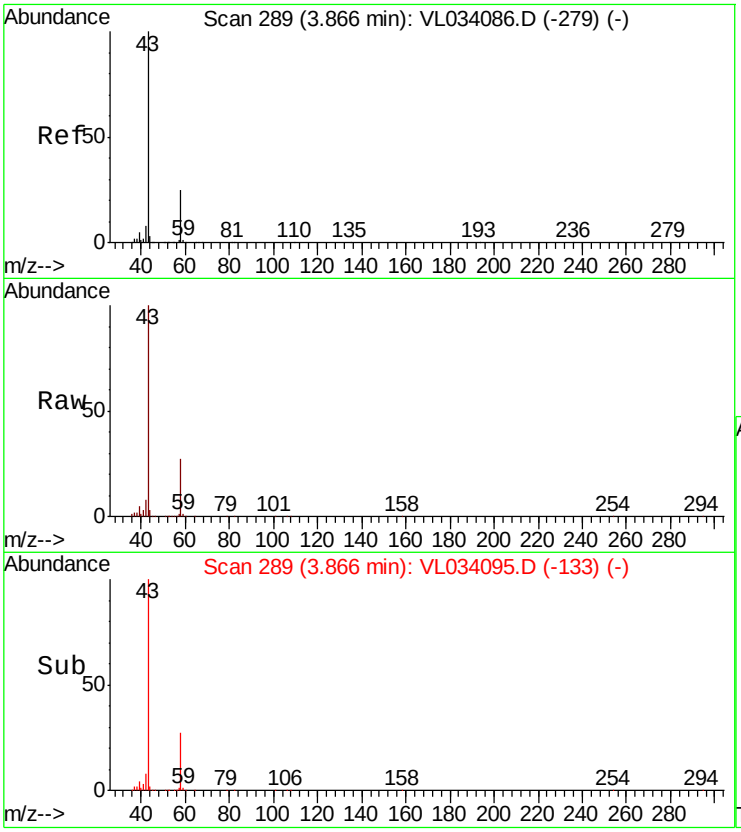


#14
Bromoethene
Concen: 8.043 ppbv
RT: 3.75 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:108 Resp: 417955

Ion	Ratio	Lower	Upper
108	100		
106	112.4	85.0	127.6
79	18.6	15.8	23.8



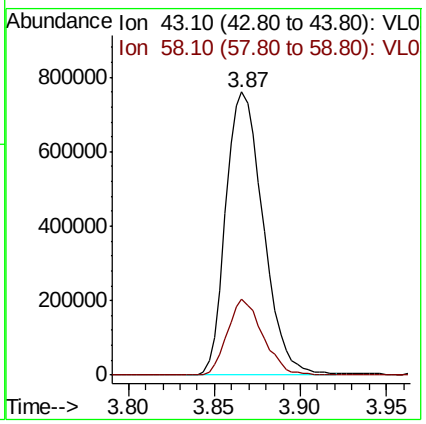


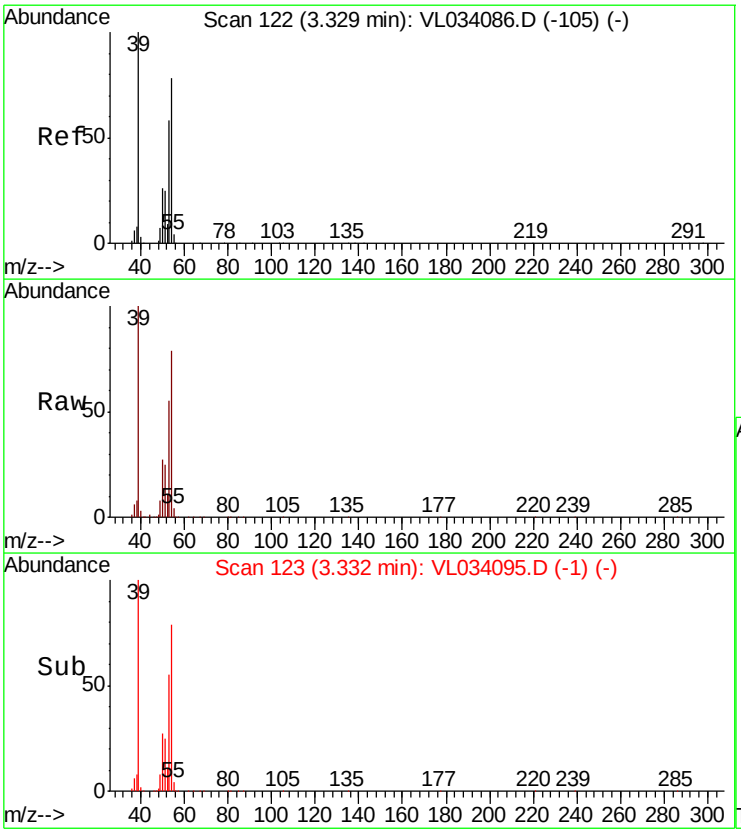
#15
Acetone
Concen: 7.086 ppbv
RT: 3.87 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 43 Resp: 1144466

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.6	30.8

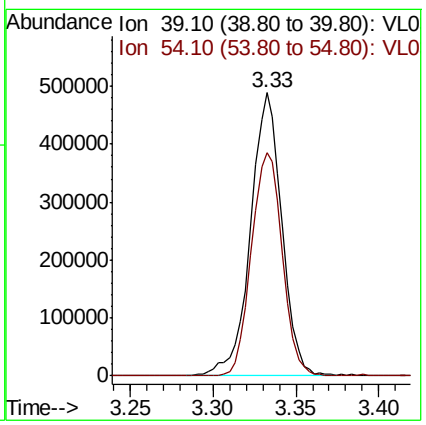


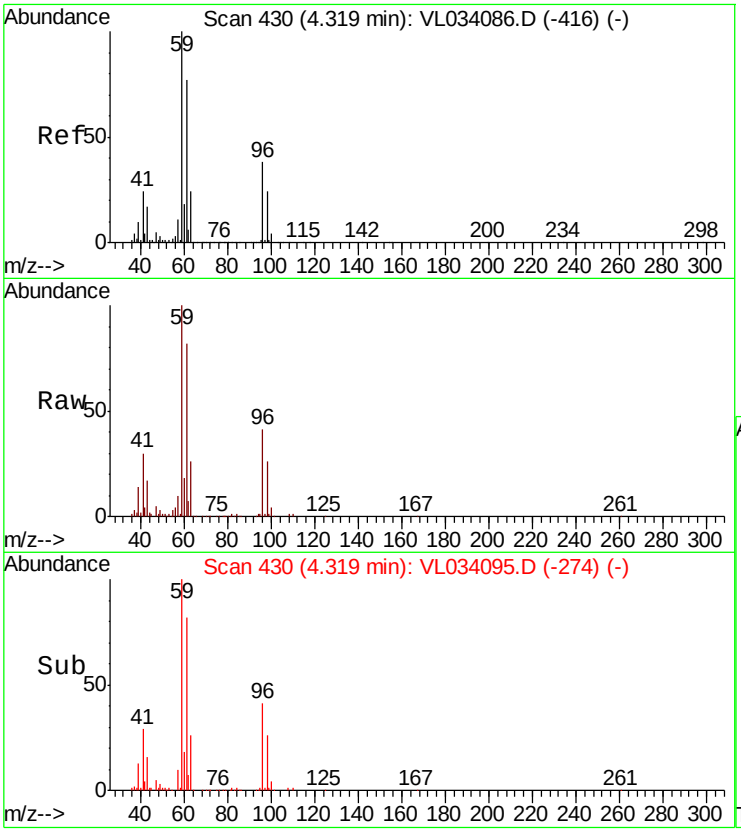


#16
1,3-Butadiene
Concen: 8.195 ppbv
RT: 3.33 min Scan# 123
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 39 Resp: 643607

Ion	Ratio	Lower	Upper
39	100		
54	78.2	62.7	94.1



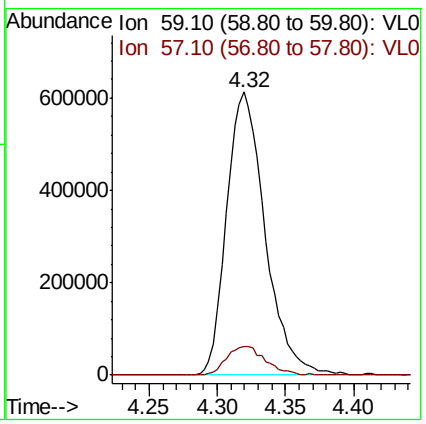


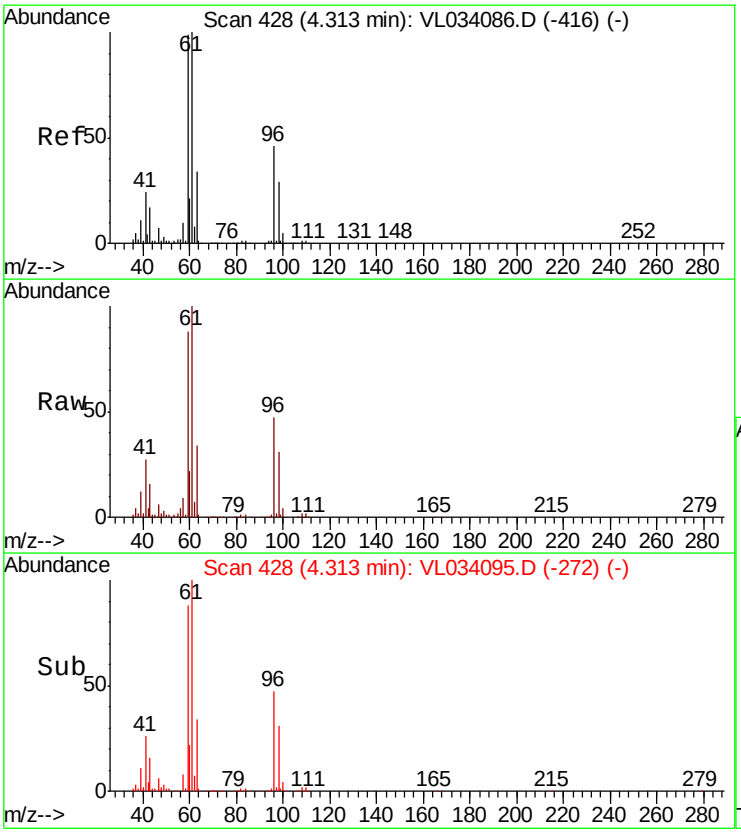
#17
tert-Butyl alcohol
Concen: 7.964 ppbv
RT: 4.32 min Scan# 430
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 59 Resp: 1200245

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

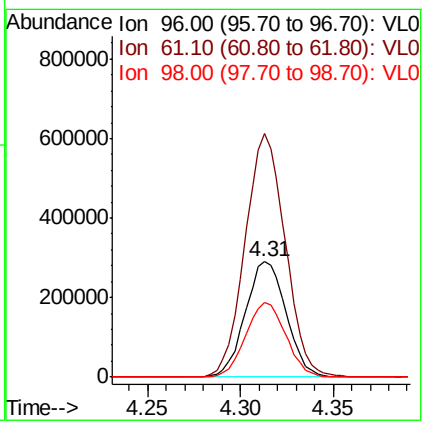


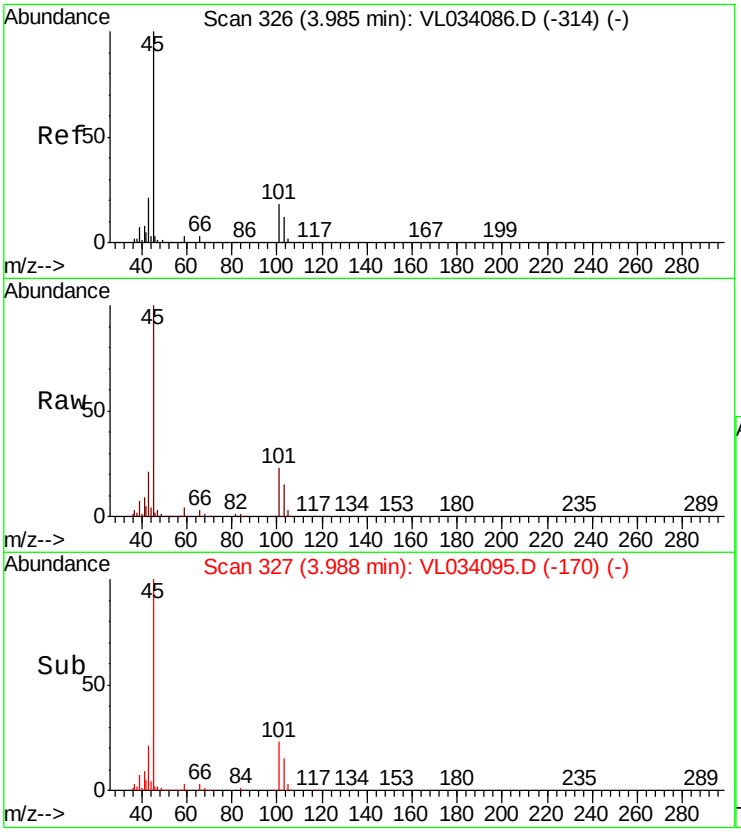


#18
1,1-Dichloroethene
Concen: 8.064 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 96 Resp: 443817

Ion	Ratio	Lower	Upper
96	100		
61	211.0	173.1	259.7
98	64.4	50.3	75.5



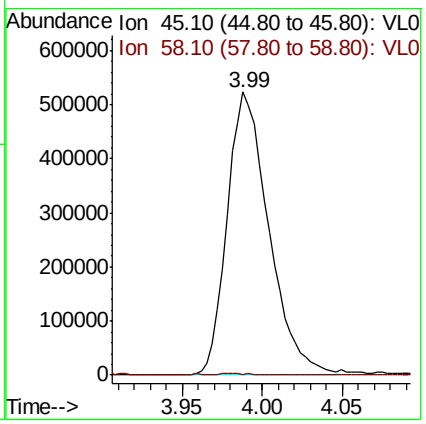


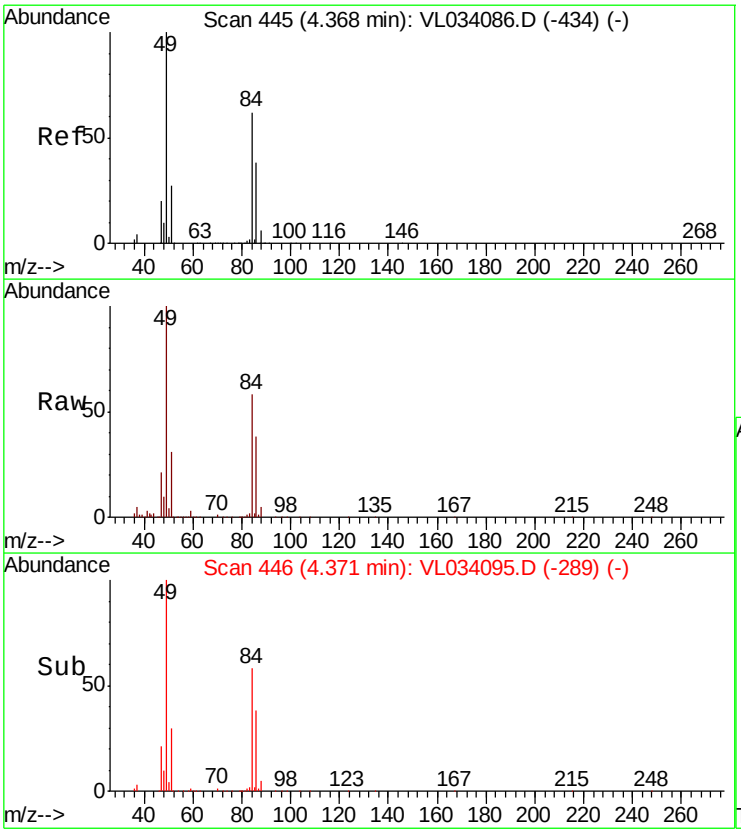
#19
Isopropyl Alcohol
Concen: 7.372 ppbv
RT: 3.99 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 45 Resp: 927022

Ion	Ratio	Lower	Upper
45	100		
58	32.1	24.6	37.0

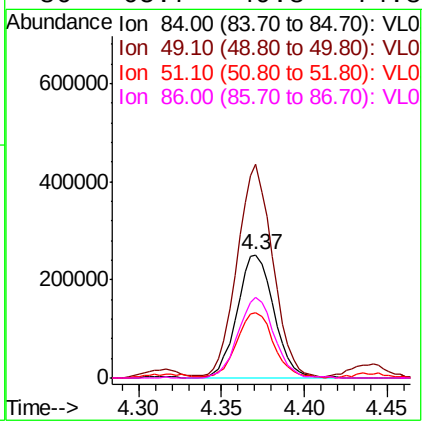


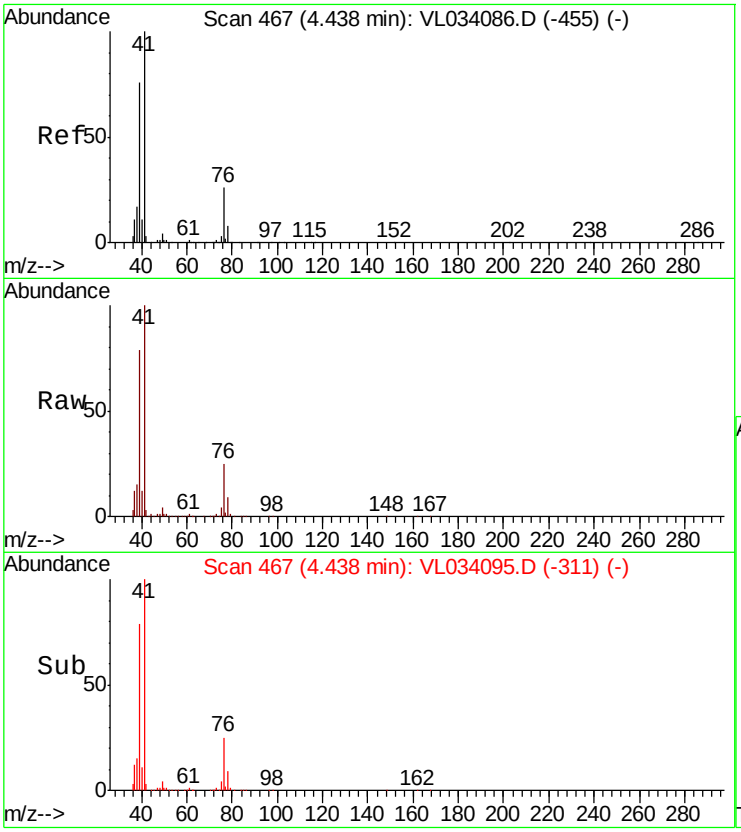


#20
Methylene Chloride
Concen: 7.963 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 84 Resp: 385650

Ion	Ratio	Lower	Upper
84	100		
49	171.1	129.7	194.5
51	52.5	35.8	53.8
86	65.7	49.8	74.8



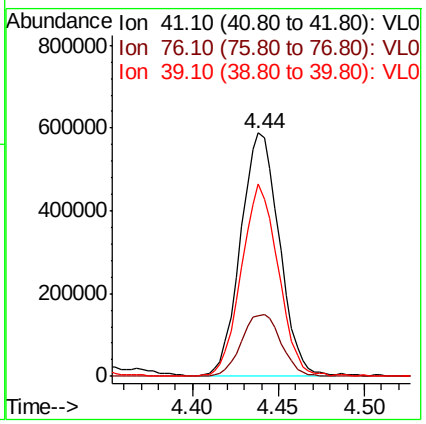


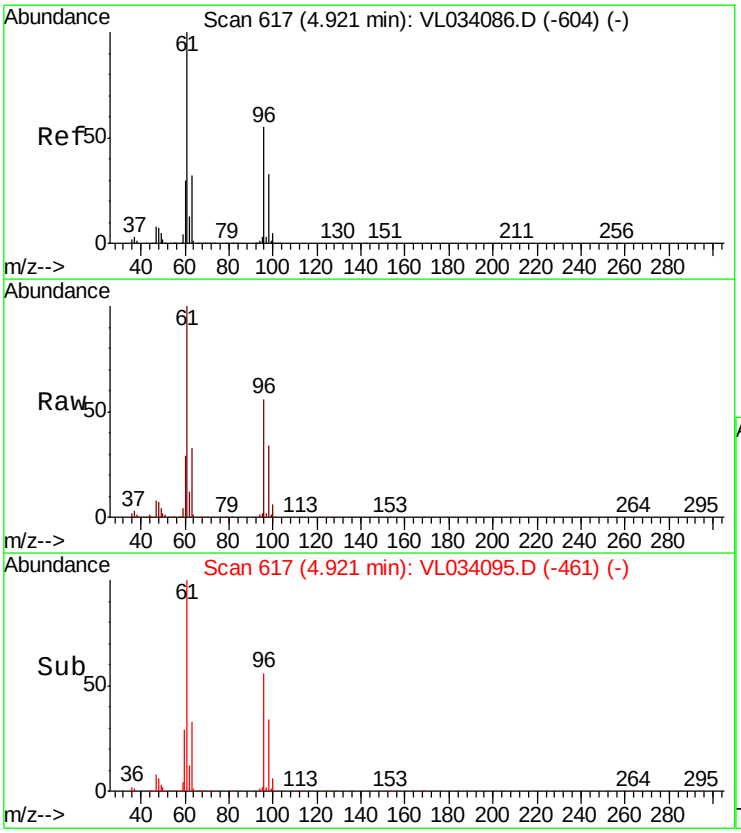
#21
Allyl Chloride
Concen: 8.140 ppbv
RT: 4.44 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 41 Resp: 909962

Ion	Ratio	Lower	Upper
41	100		
76	26.3	20.8	31.2
39	76.1	61.3	91.9

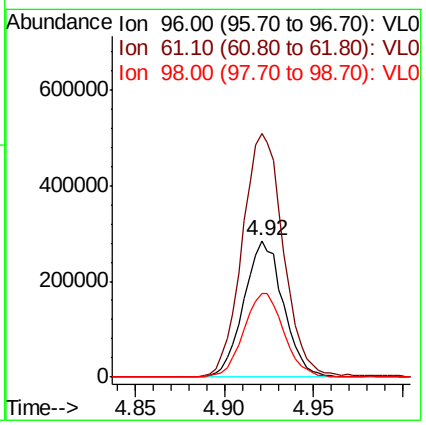


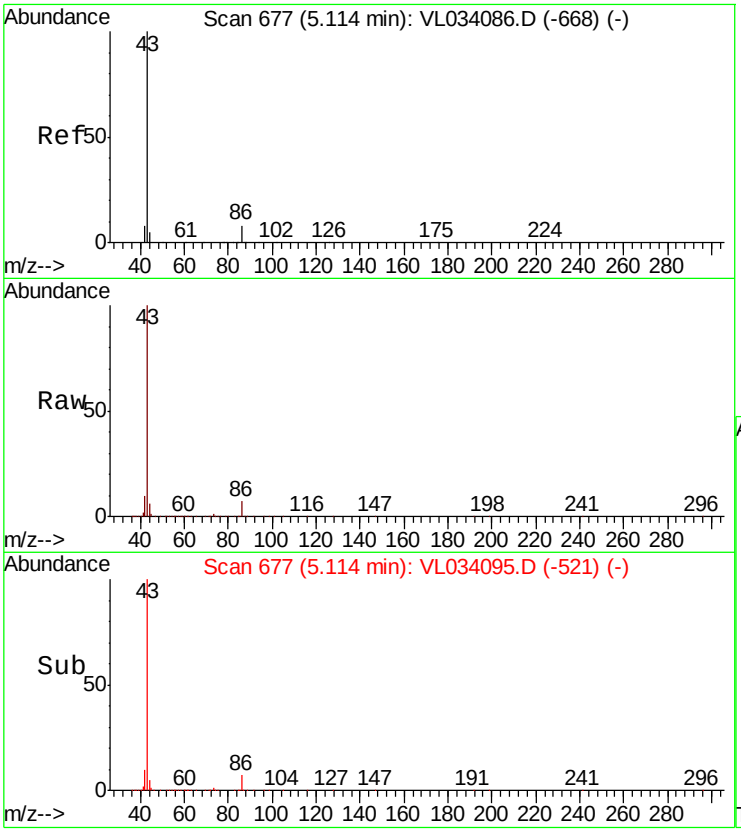


#22
trans-1,2-Dichloroethene
Concen: 8.209 ppbv
RT: 4.92 min Scan# 617
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 96 Resp: 439007

Ion	Ratio	Lower	Upper
96	100		
61	178.6	144.2	216.2
98	61.3	48.0	72.0



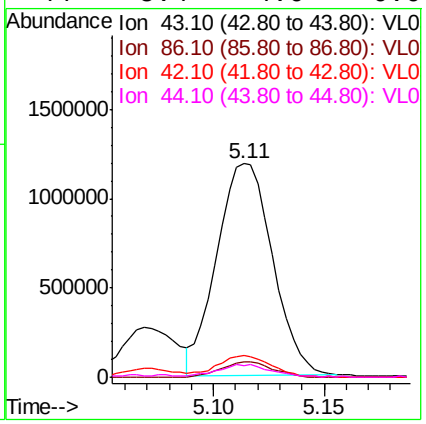


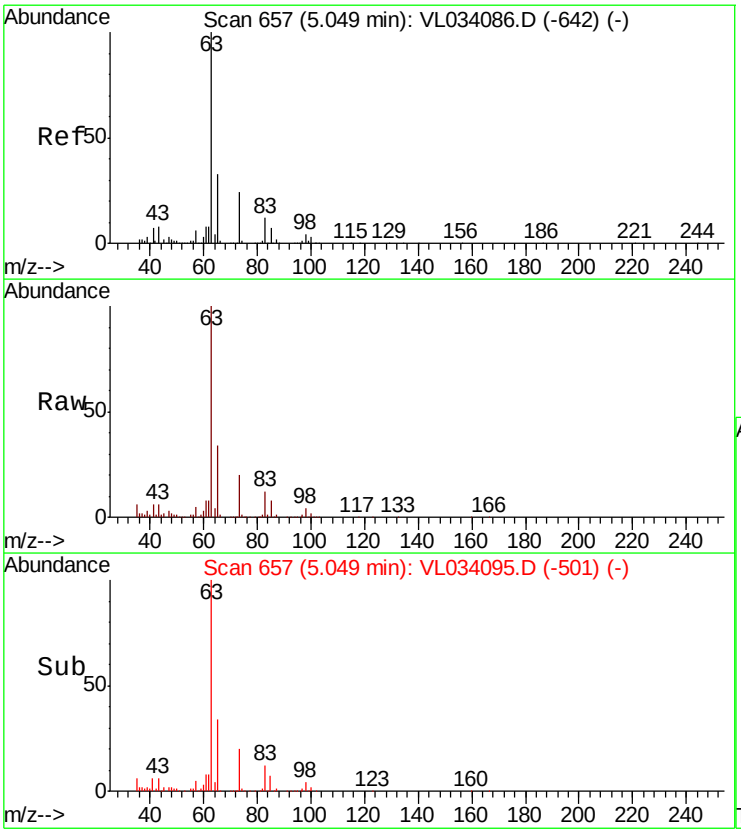
#23
Vinyl Acetate
Concen: 7.774 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 43 Resp: 2081854

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.4	8.0
42	10.0	7.9	11.9
44	5.4	4.0	6.0

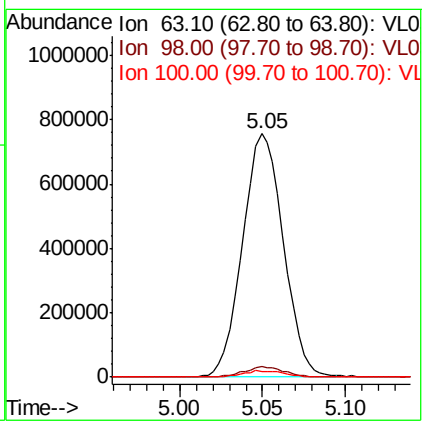


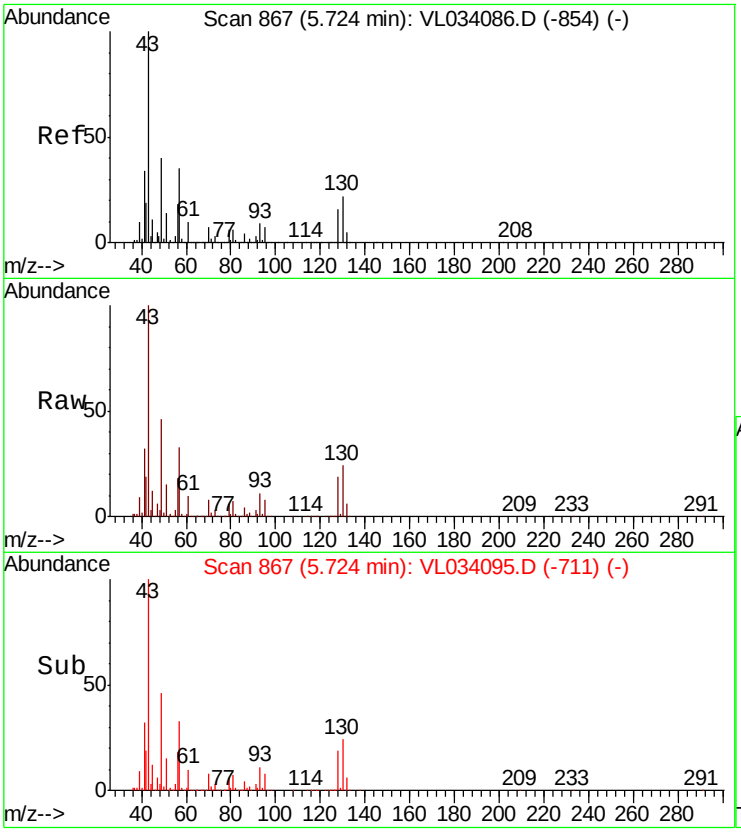


#24
1,1-Dichloroethane
Concen: 8.125 ppbv
RT: 5.05 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 63 Resp: 1294520

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	6.0
100	2.4	1.3	3.8



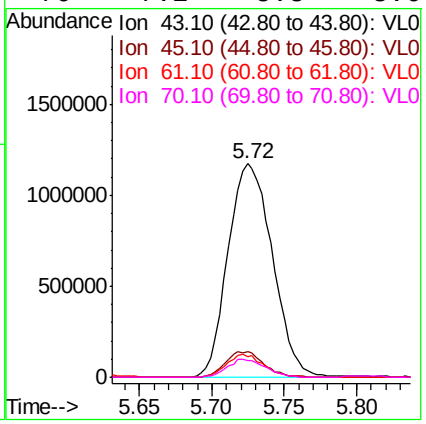


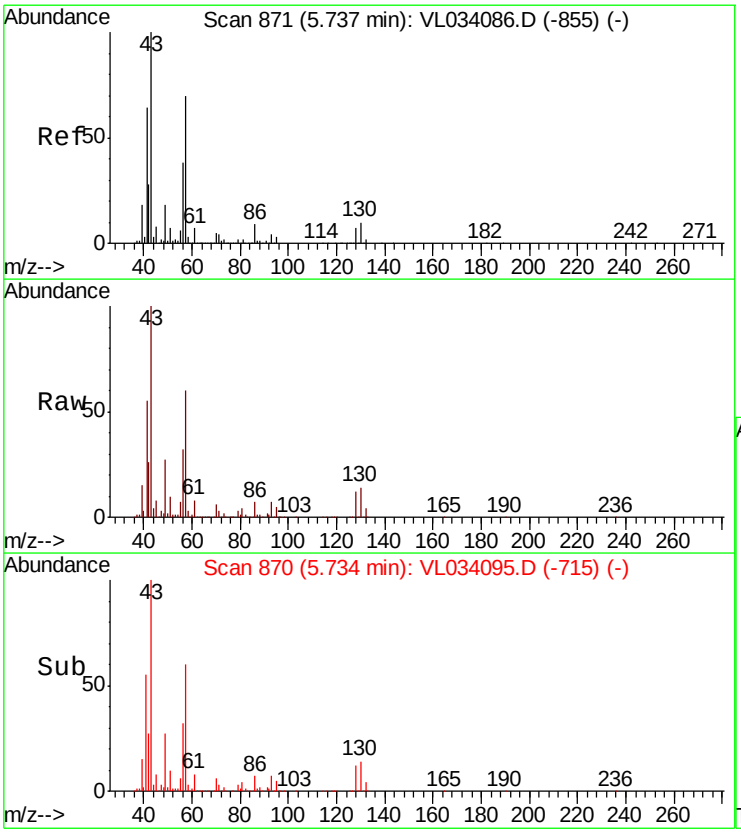
#25
Ethyl Acetate
Concen: 7.835 ppbv
RT: 5.72 min Scan# 867
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 43 Resp: 2488888

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.3	7.3	10.9
70	7.2	5.8	8.6

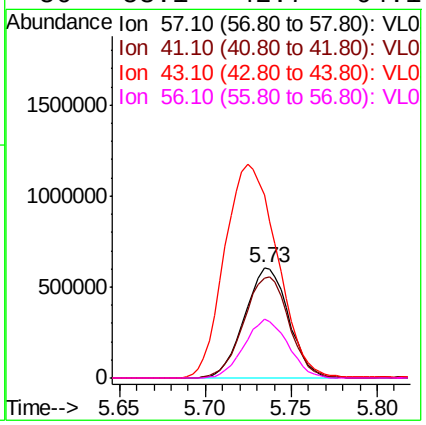


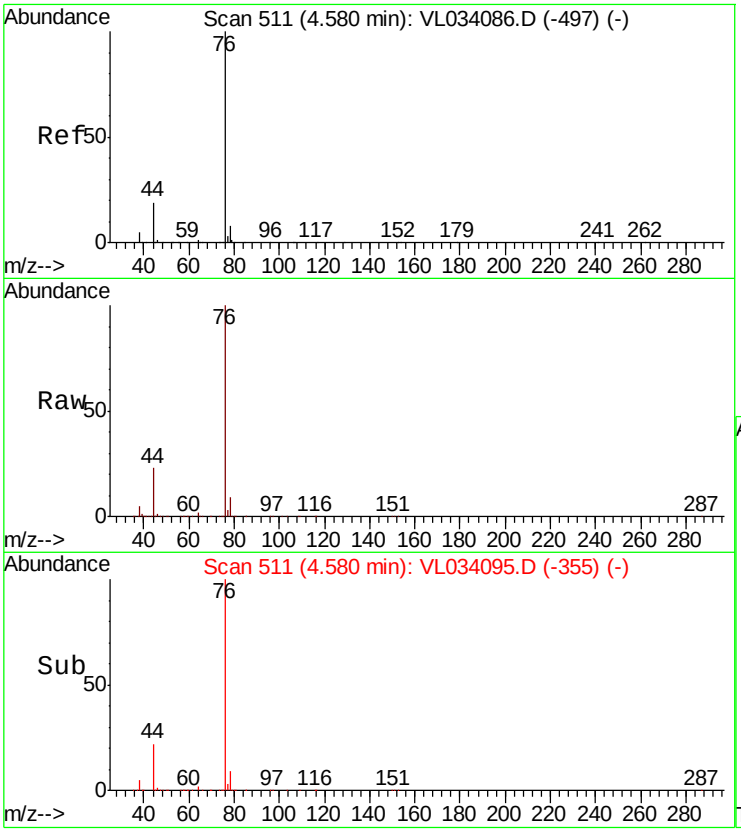


#26
Hexane
Concen: 7.964 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 57 Resp: 1072301

Ion	Ratio	Lower	Upper
57	100		
41	94.7	75.7	113.5
43	233.5	189.8	284.8
56	53.1	42.7	64.1



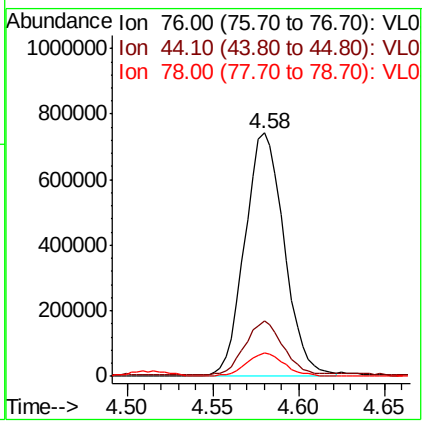


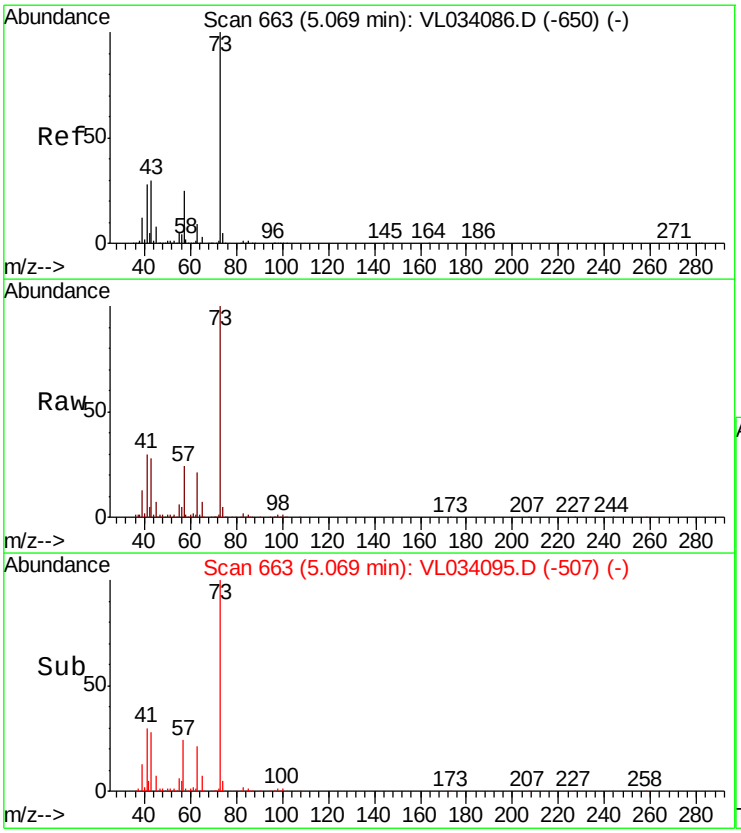
#27
Carbon Disulfide
Concen: 8.346 ppbv
RT: 4.58 min Scan# 511
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 76 Resp: 1184857

Ion	Ratio	Lower	Upper
76	100		
44	22.4	17.8	26.6
78	9.2	7.7	11.5

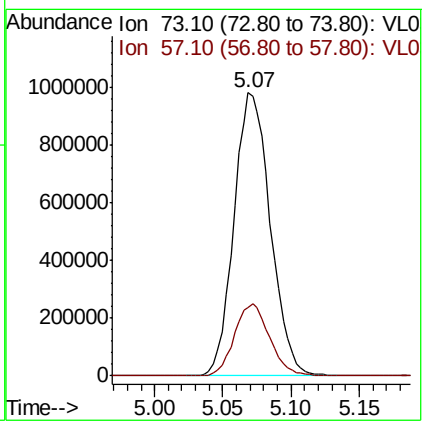


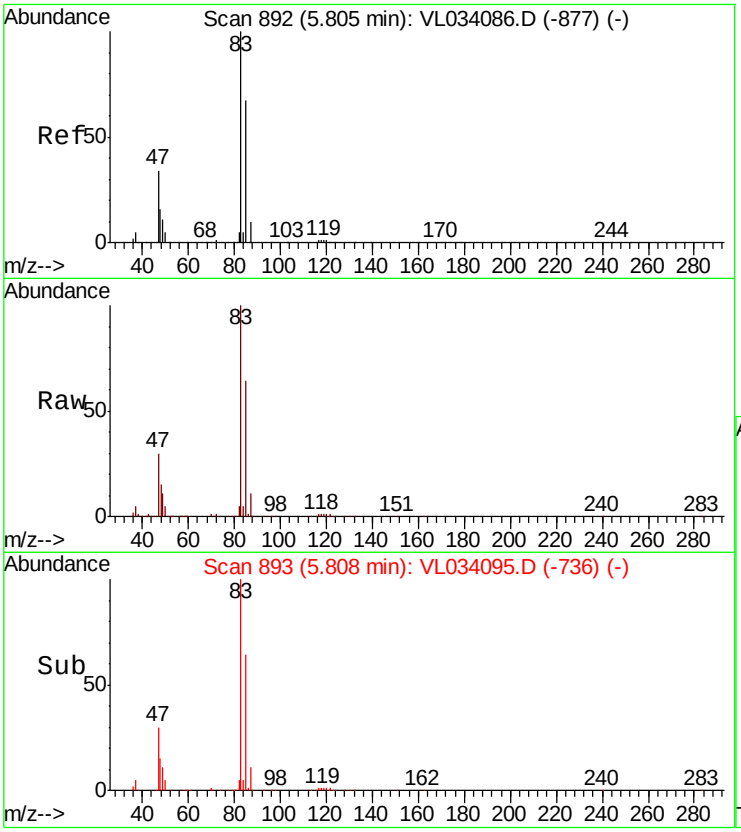


#28
Methyl tert-Butyl Ether
Concen: 8.051 ppbv
RT: 5.07 min Scan# 663
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 73 Resp: 1812846

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.5	29.3



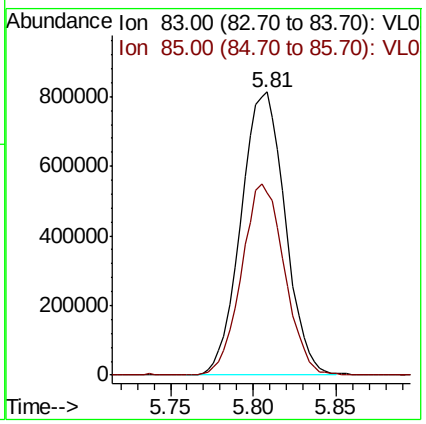


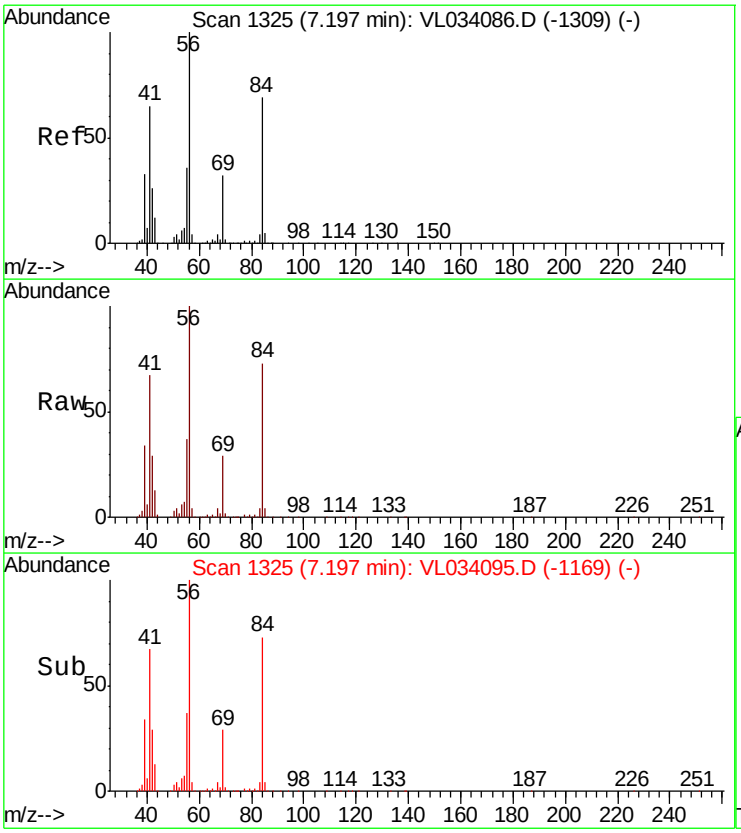
#29
Chloroform
Concen: 8.250 ppbv
RT: 5.81 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 83 Resp: 1510094

Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.2	79.8

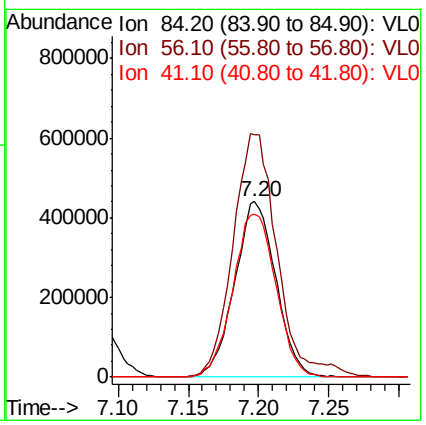


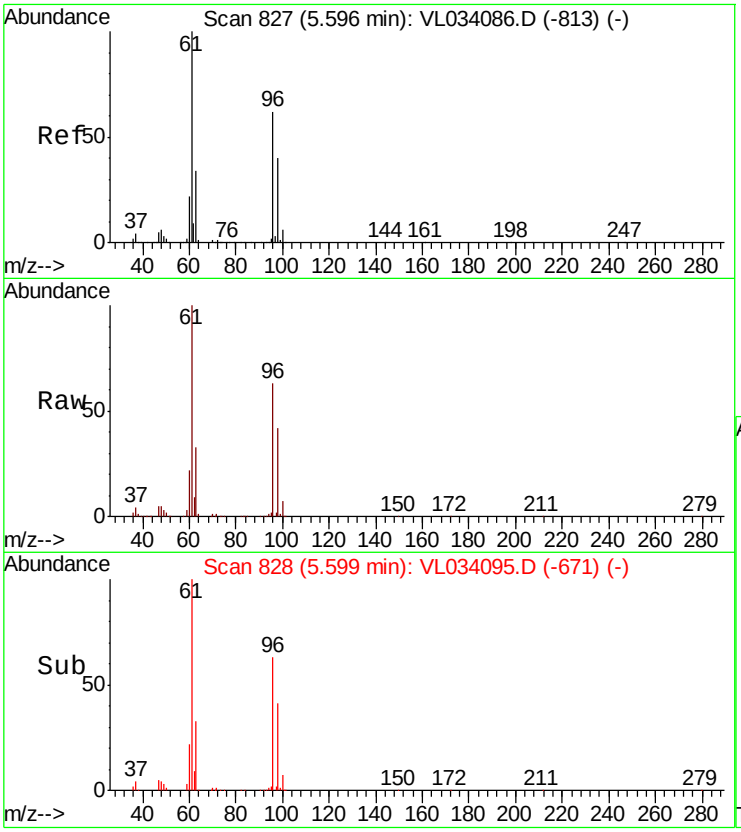


#30
Cyclohexane
Concen: 8.451 ppbv
RT: 7.20 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 84 Resp: 898861

Ion	Ratio	Lower	Upper
84	100		
56	150.1	122.6	184.0
41	97.7	80.1	120.1



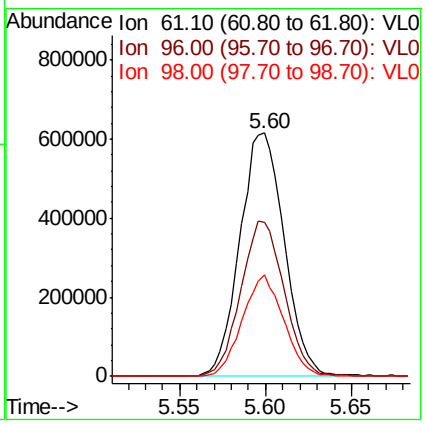


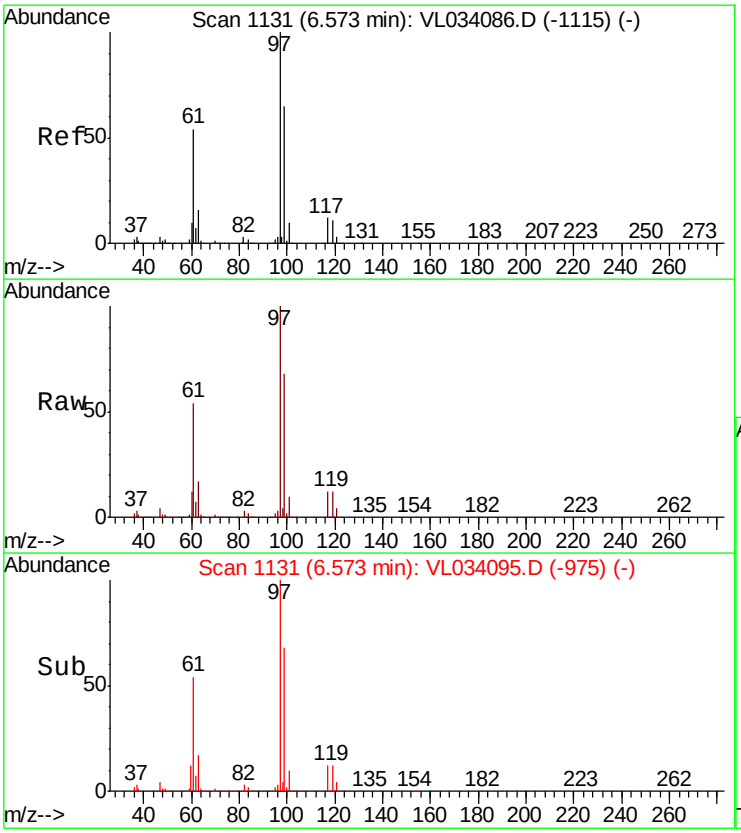
#31
cis-1,2-Dichloroethene
Concen: 8.300 ppbv
RT: 5.60 min Scan# 828
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 61 Resp: 1103871

Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.3	73.9
98	41.5	32.4	48.6

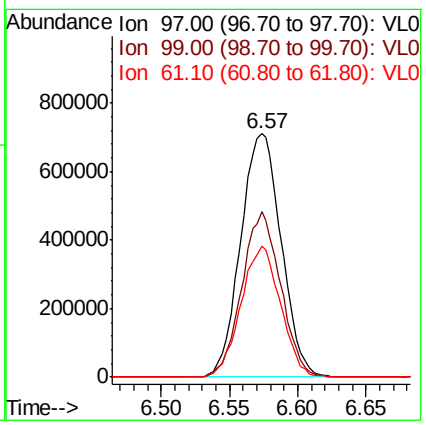


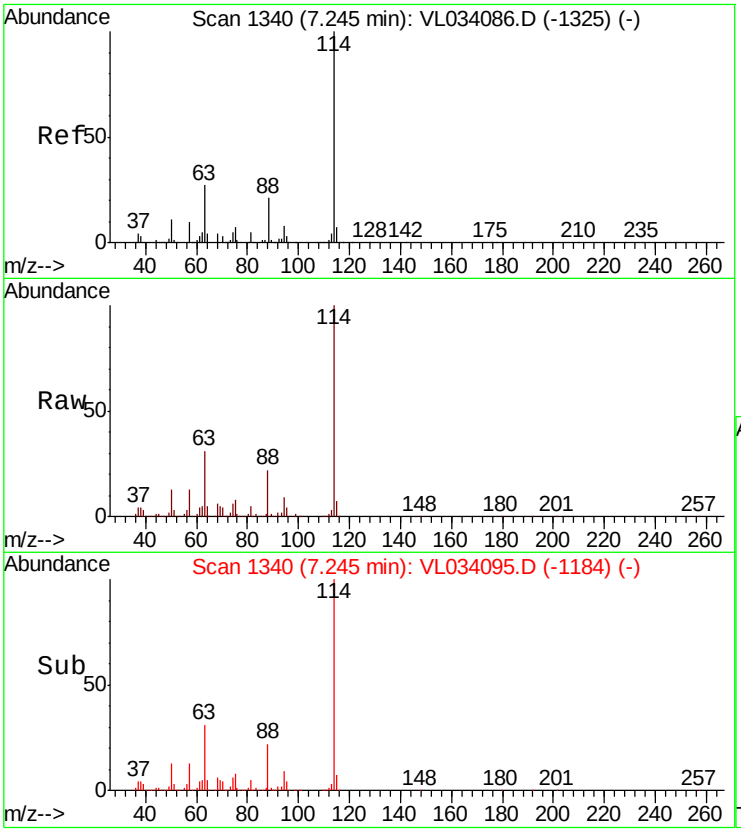


#32
1,1,1-Trichloroethane
Concen: 8.100 ppbv
RT: 6.57 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 97 Resp: 1467298

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.2	78.4
61	52.6	42.0	63.0



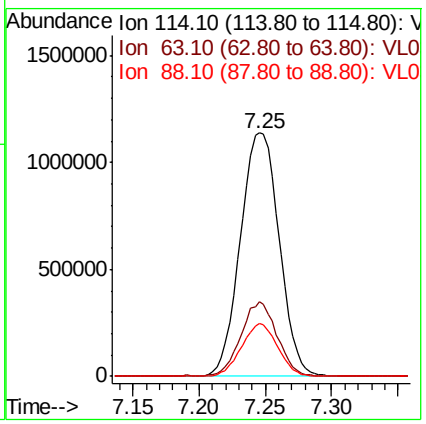


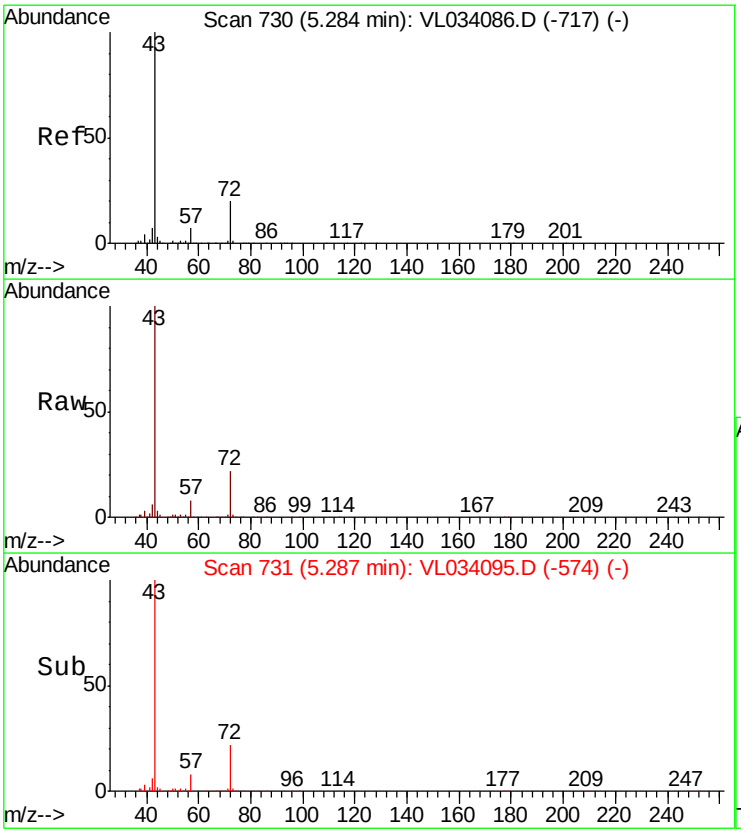
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:114 Resp: 2325670

Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.5	33.7
88	20.2	15.7	23.5

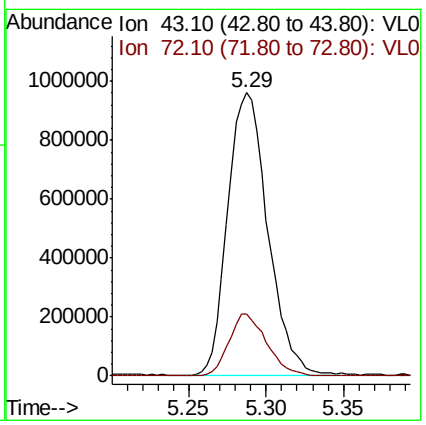


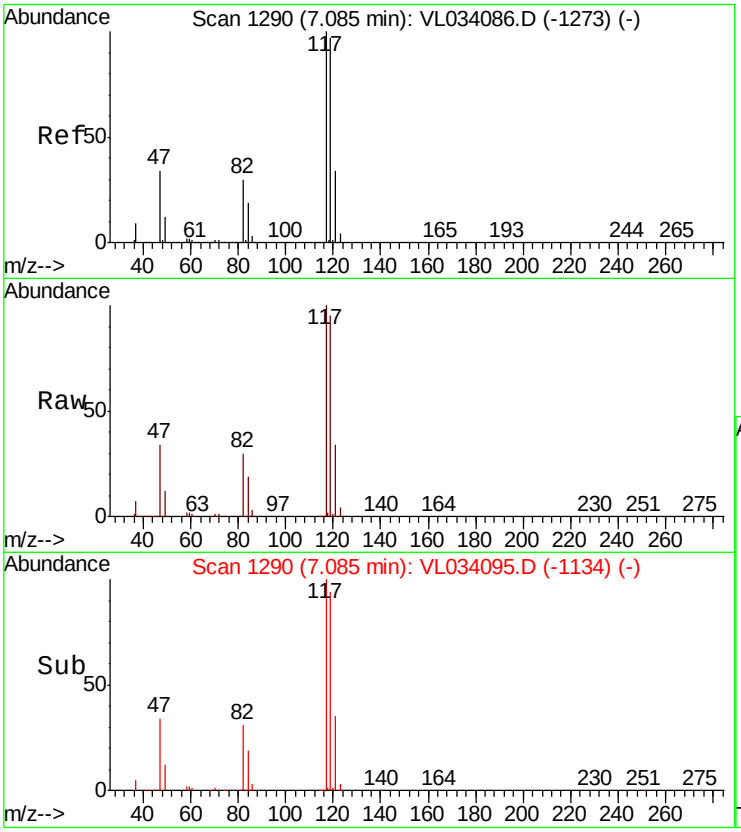


#34
2-Butanone
Concen: 7.984 ppbv
RT: 5.29 min Scan# 731
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 43 Resp: 1726358

Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.0	24.0



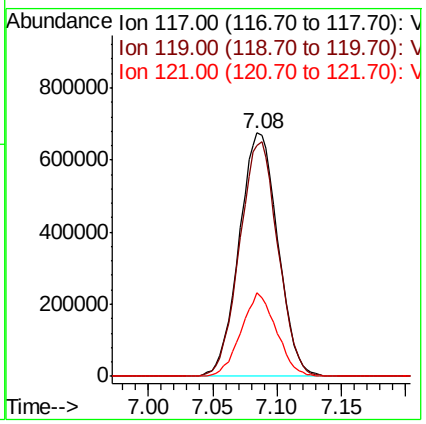


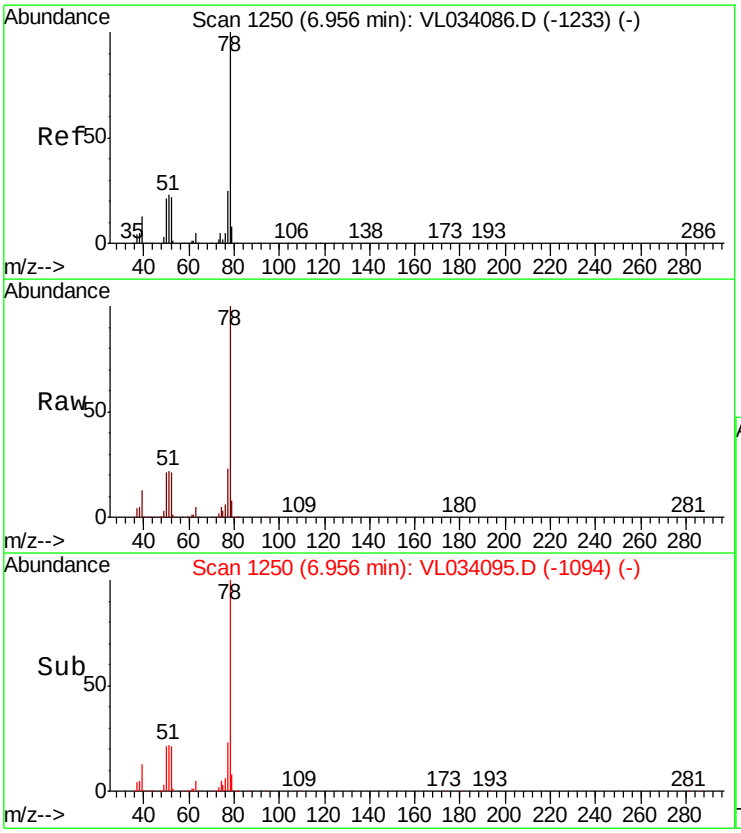
#35
Carbon Tetrachloride
Concen: 7.893 ppbv
RT: 7.08 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:117 Resp: 1408901

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.6
121	34.1	27.4	41.2

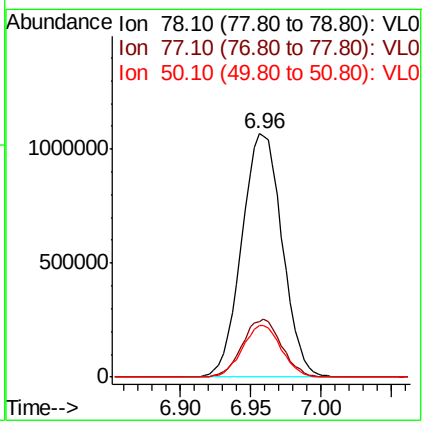


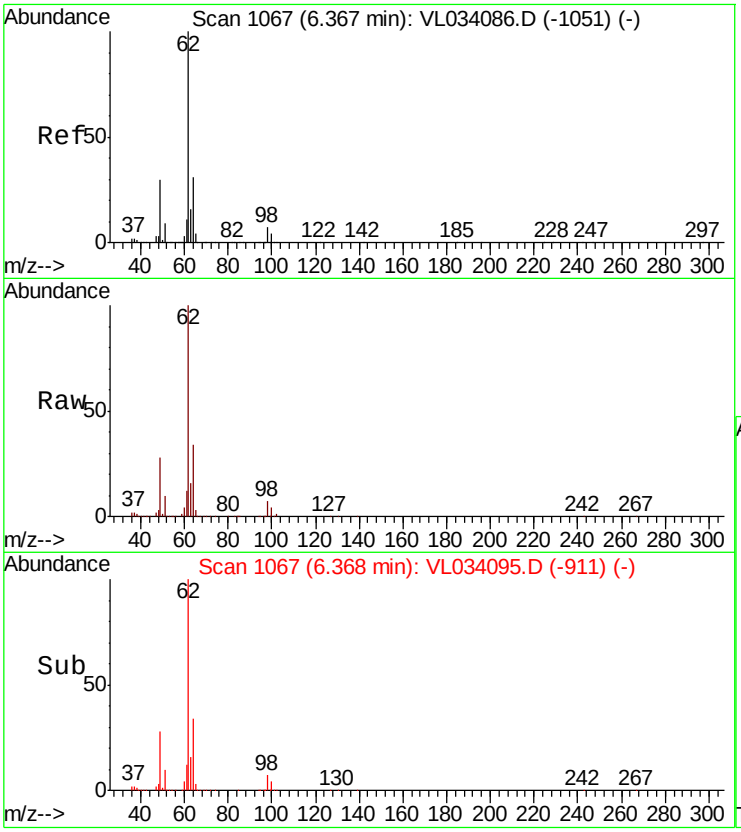


#36
Benzene
Concen: 8.121 ppbv
RT: 6.96 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 78 Resp: 2146667

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.9	29.9
50	21.3	16.7	25.1



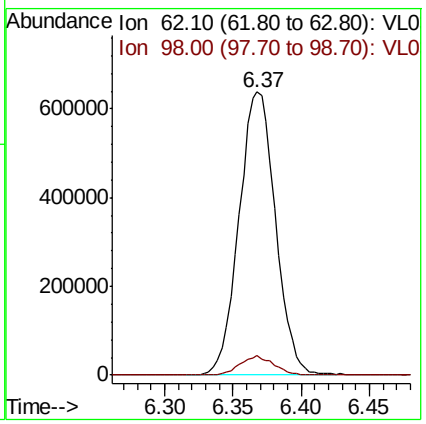


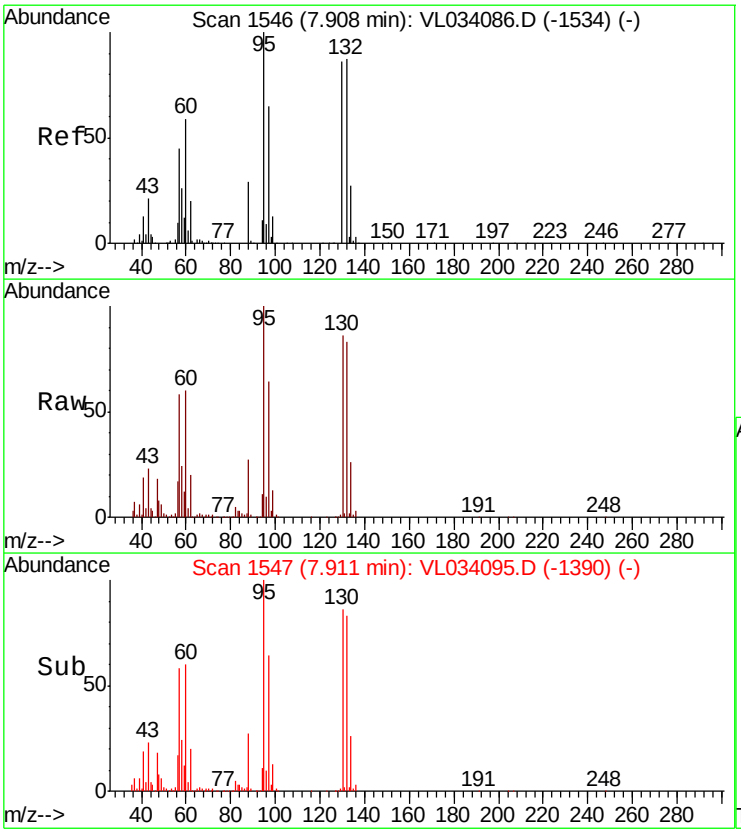
#37
1,2-Dichloroethane
Concen: 8.350 ppbv
RT: 6.37 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 62 Resp: 1187546

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.9	7.3

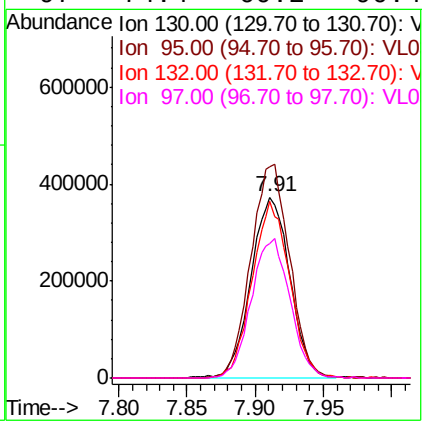


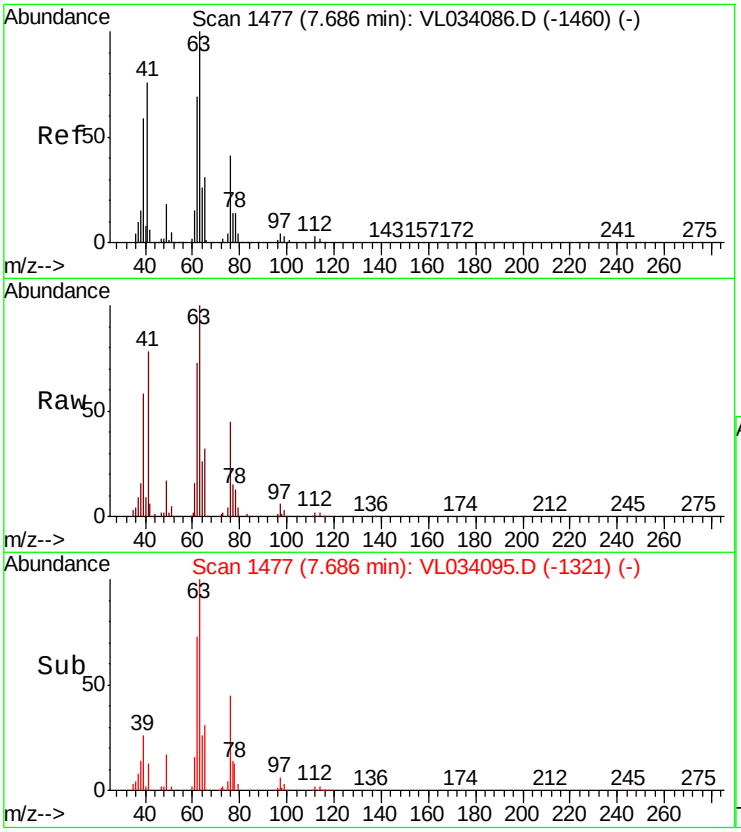


#38
Trichloroethene
Concen: 7.173 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:130 Resp: 734279

Ion	Ratio	Lower	Upper
130	100		
95	117.0	92.1	138.1
132	97.7	79.7	119.5
97	74.4	60.2	90.4



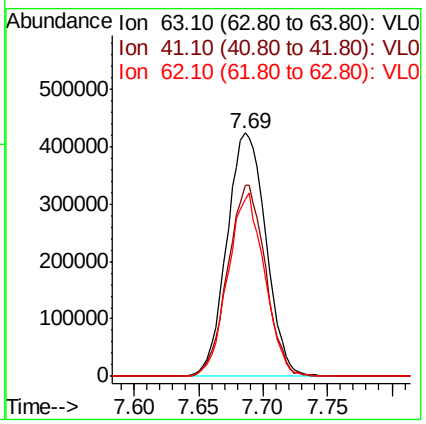


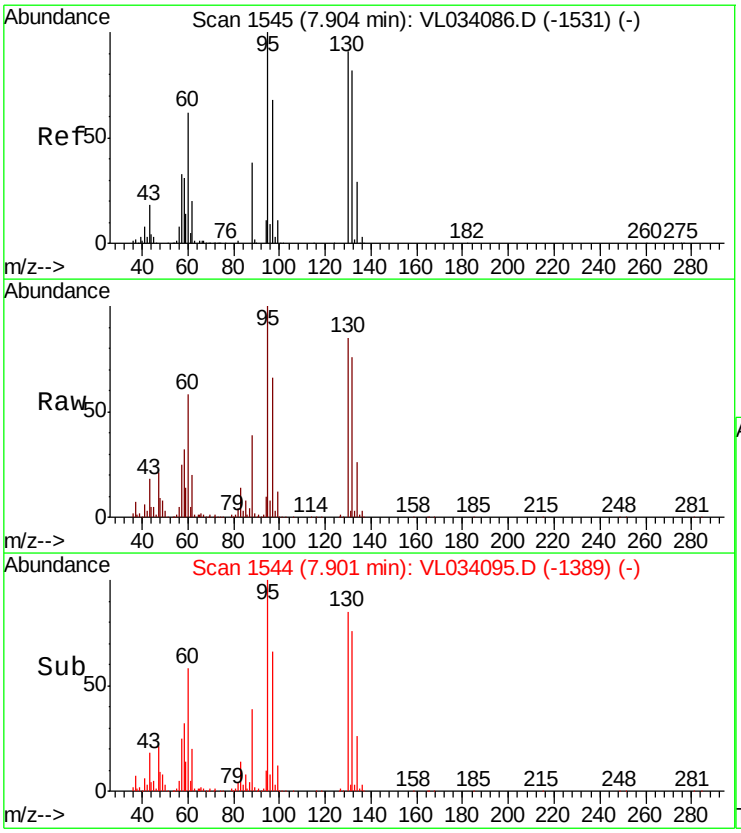
#39
1,2-Dichloropropane
Concen: 8.344 ppbv
RT: 7.69 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 63 Resp: 889910

Ion	Ratio	Lower	Upper
63	100		
41	78.3	60.6	91.0
62	72.9	55.0	82.6

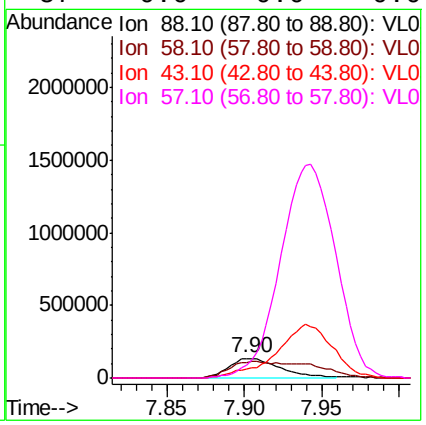


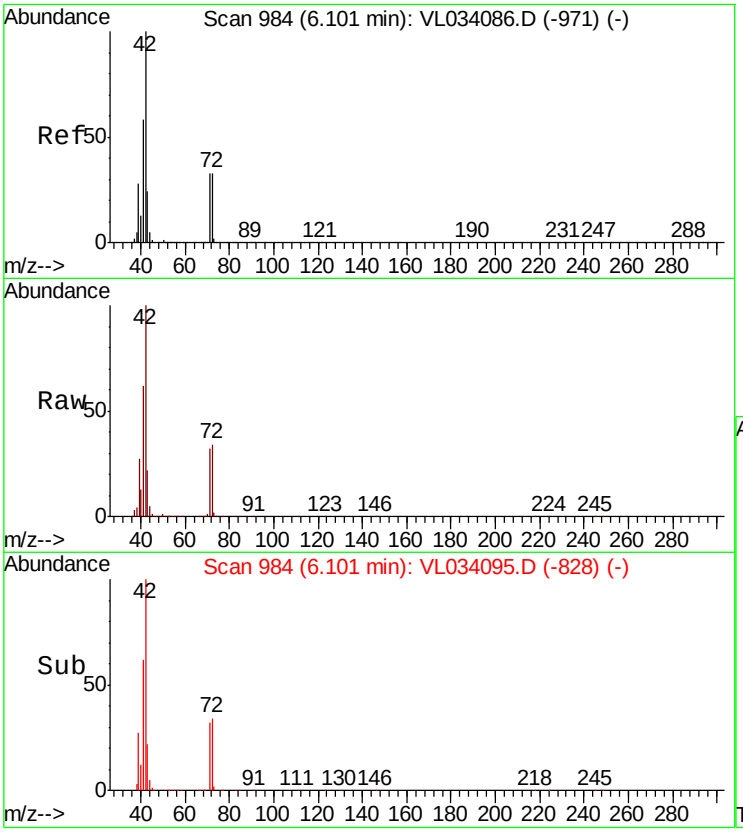


#40
1,4-Dioxane
Concen: 7.737 ppbv
RT: 7.90 min Scan# 1544
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 88 Resp: 311364

Ion	Ratio	Lower	Upper
88	100		
58	143.6	113.0	169.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0



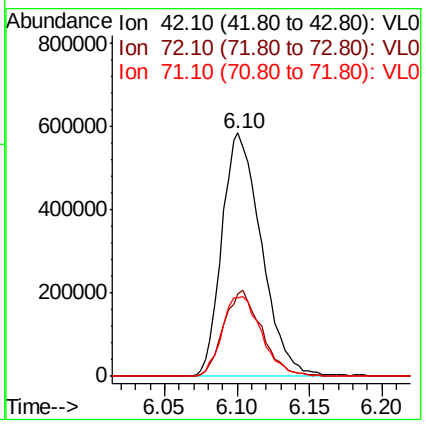


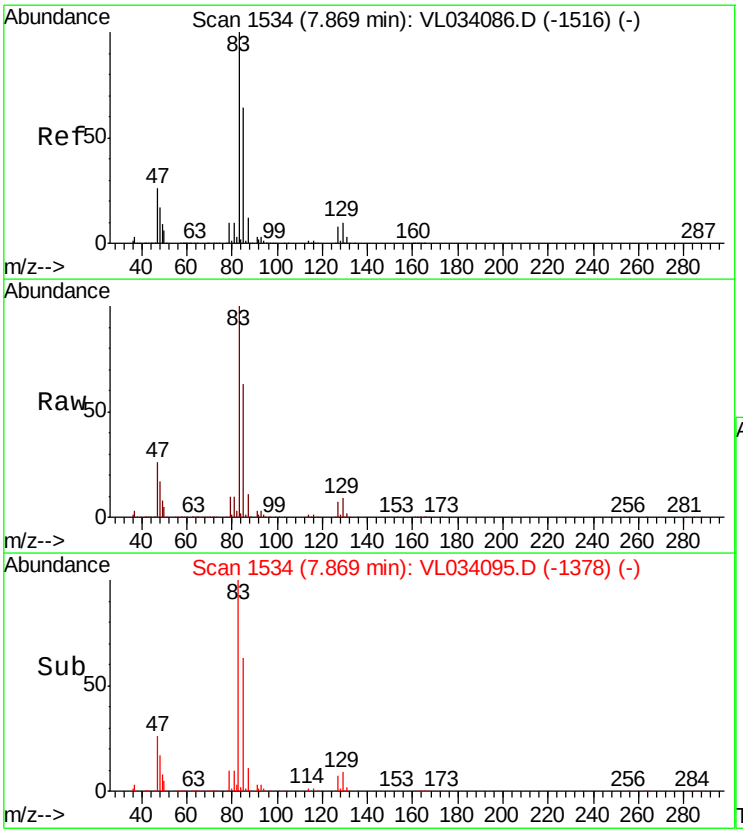
#41
Tetrahydrofuran
Concen: 8.293 ppbv
RT: 6.10 min Scan# 984
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 42 Resp: 1103130

Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	32.9	26.5	39.7

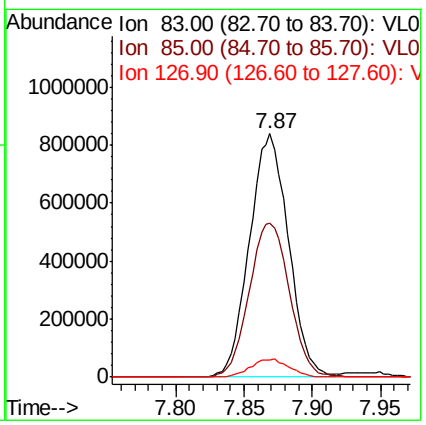


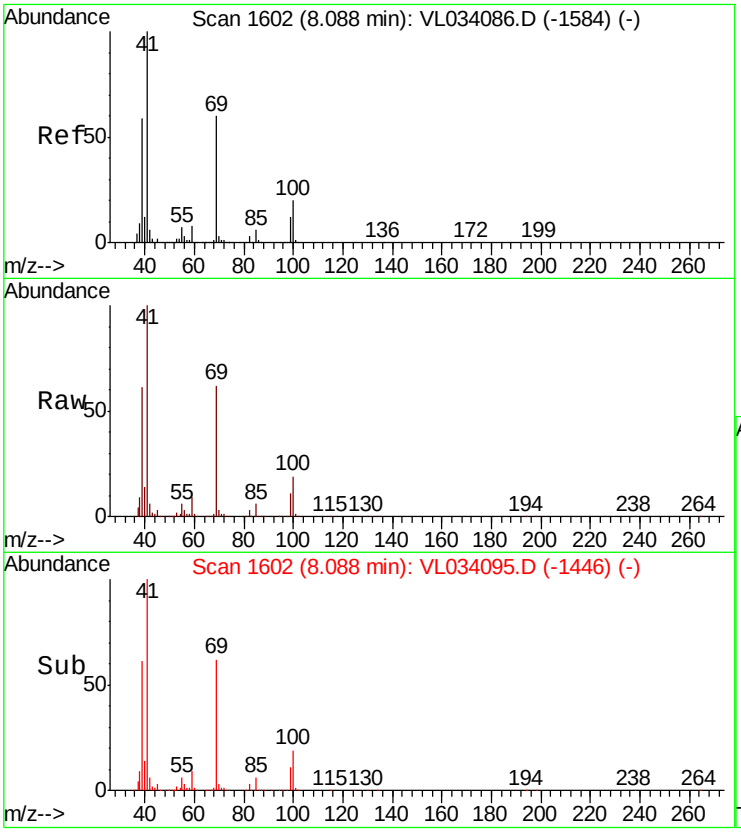


#42
Bromodichloromethane
Concen: 8.362 ppbv
RT: 7.87 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 83 Resp: 1667193

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	7.0	6.1	9.1



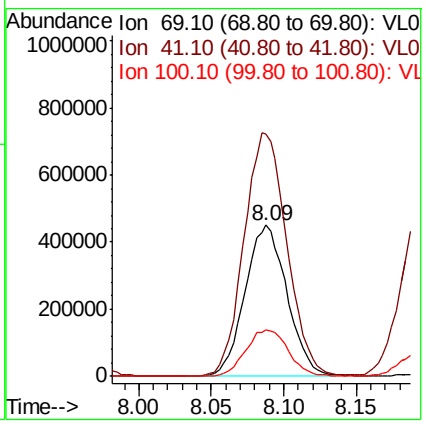


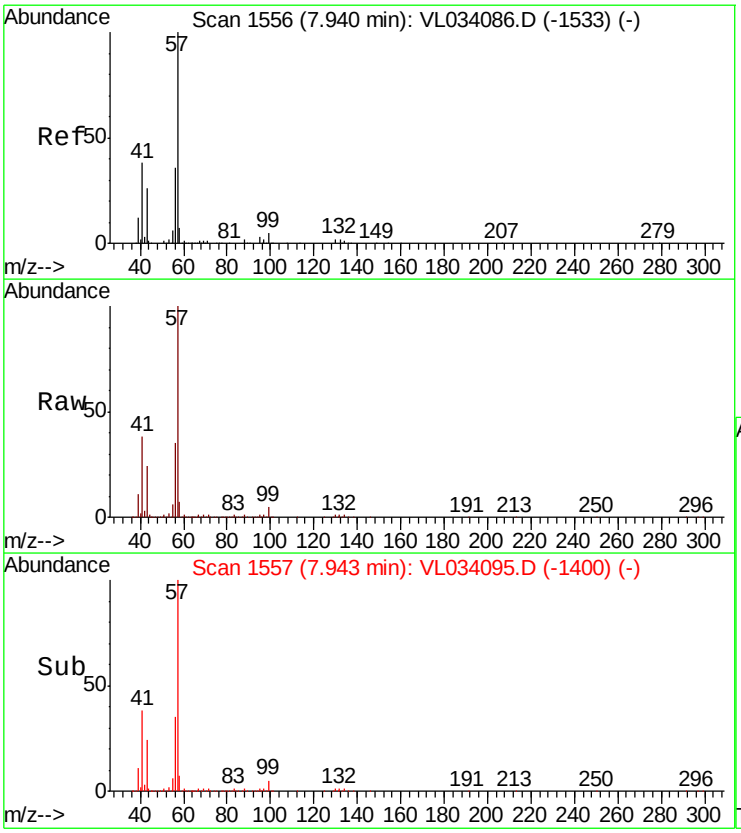
#43
Methyl Methacrylate
Concen: 8.365 ppbv
RT: 8.09 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 69 Resp: 906956

Ion	Ratio	Lower	Upper
69	100		
41	164.3	132.9	199.3
100	31.2	25.8	38.8

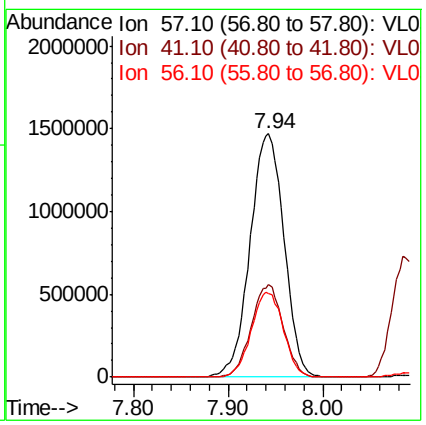


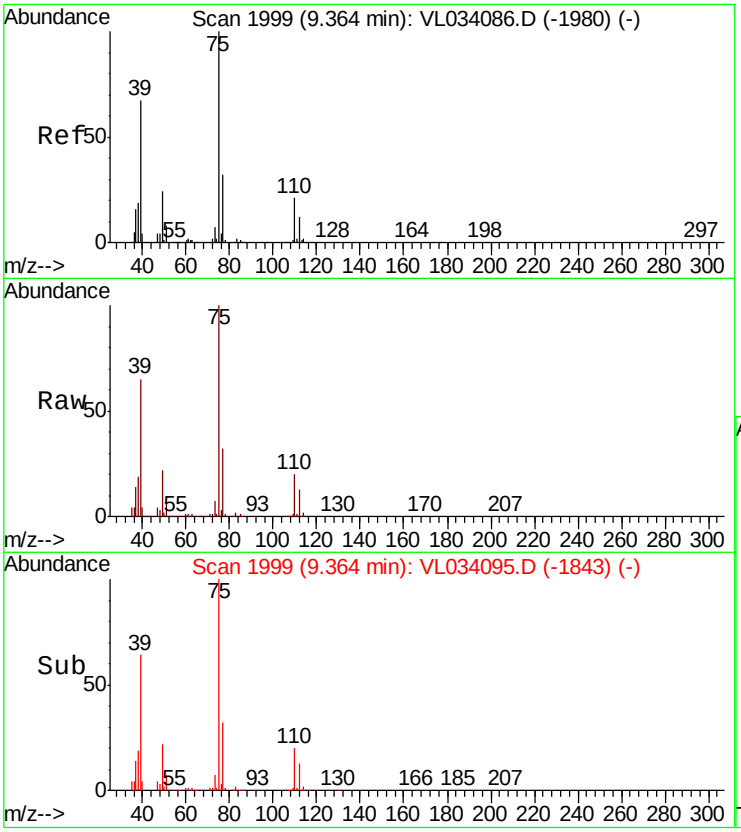


#44
2,2,4-Trimethylpentane
Concen: 7.747 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 57 Resp: 3666259

Ion	Ratio	Lower	Upper
57	100		
41	35.6	29.2	43.8
56	33.0	26.7	40.1



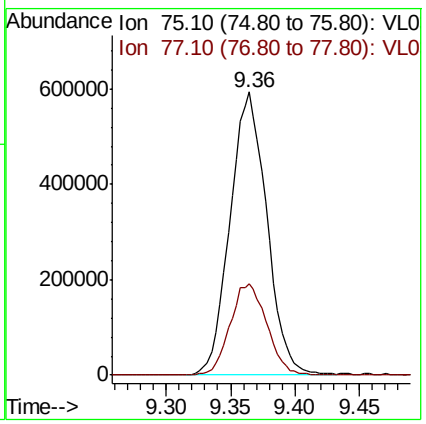


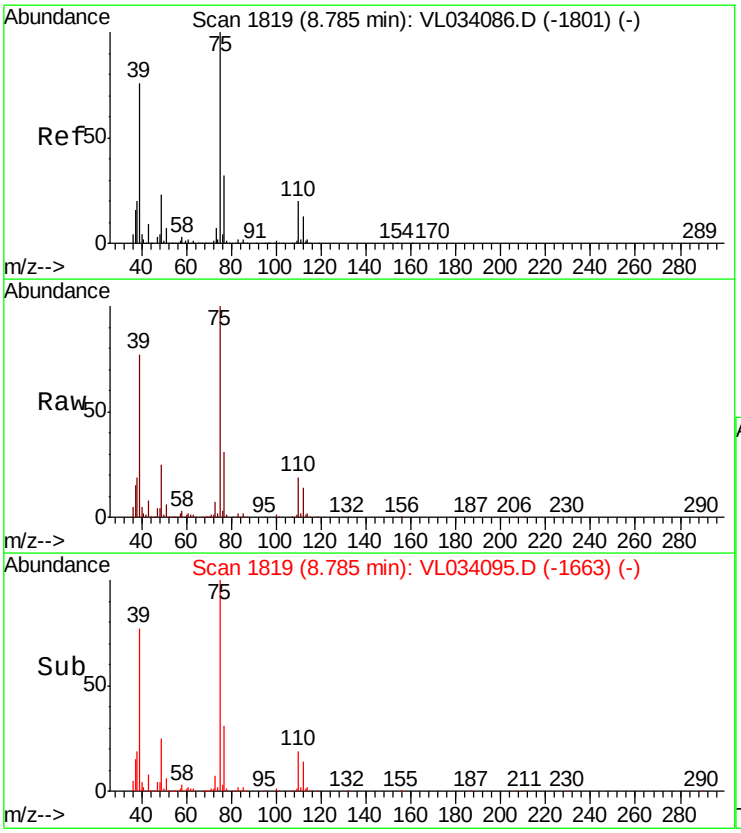
#45
t-1,3-Dichloropropene
Concen: 8.511 ppbv
RT: 9.36 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 75 Resp: 1169811

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5

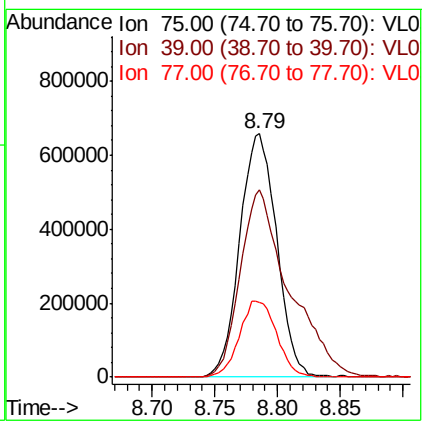


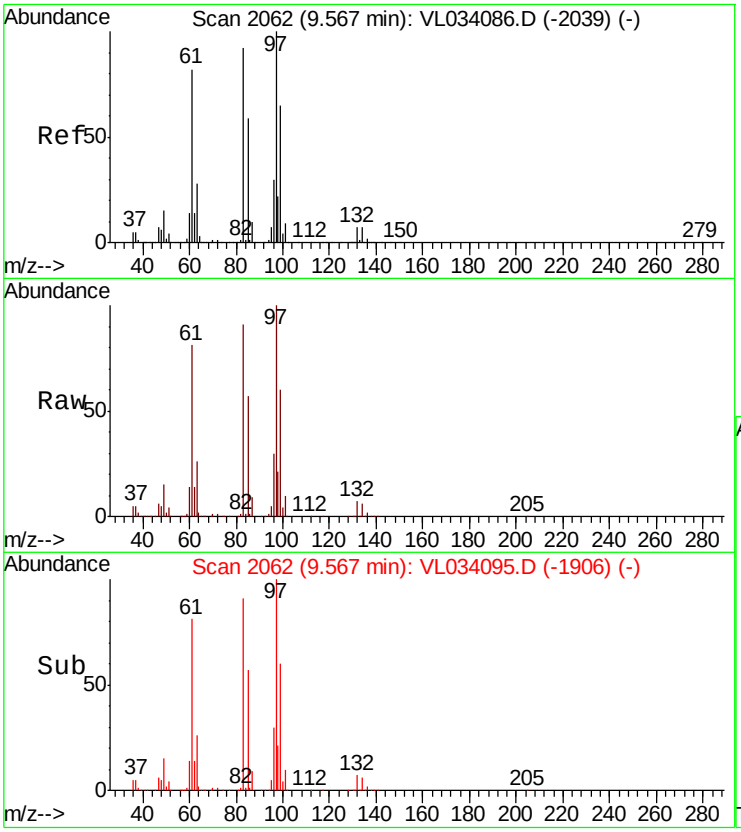


#46
cis-1,3-Dichloropropene
Concen: 8.478 ppbv
RT: 8.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 75 Resp: 1344747

Ion	Ratio	Lower	Upper
75	100		
39	76.8	61.0	91.4
77	30.5	25.6	38.4



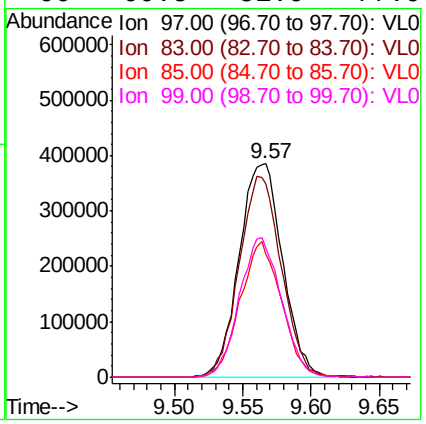


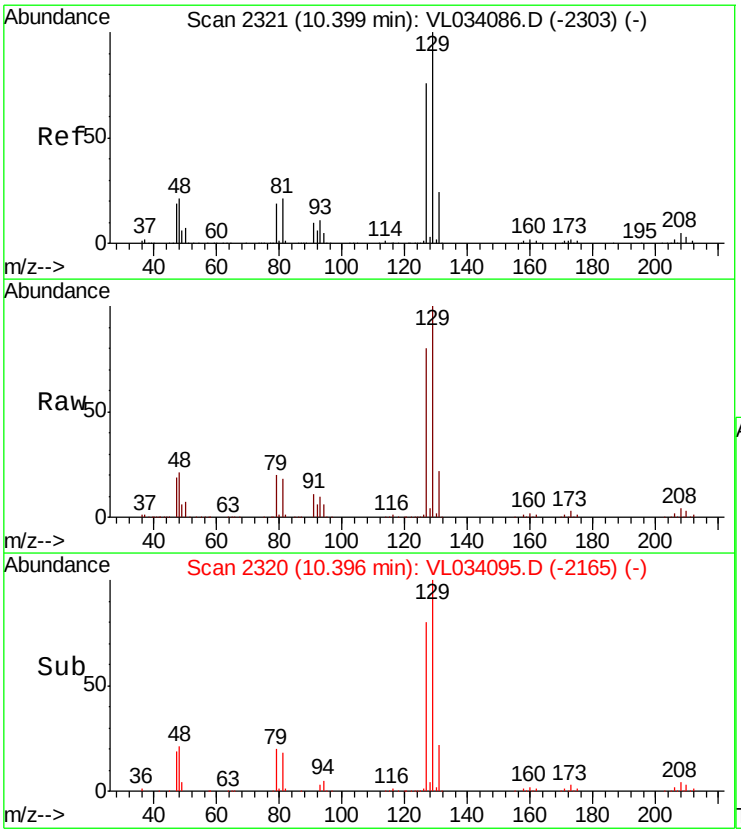
#47
1,1,2-Trichloroethane
Concen: 8.349 ppbv
RT: 9.57 min Scan# 2062
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 97 Resp: 851353

Ion	Ratio	Lower	Upper
97	100		
83	90.7	74.0	111.0
85	57.2	47.1	70.7
99	60.5	51.9	77.9

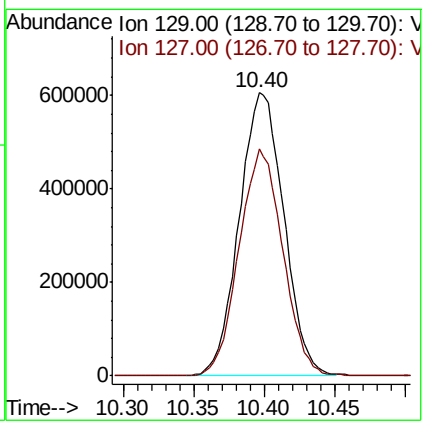


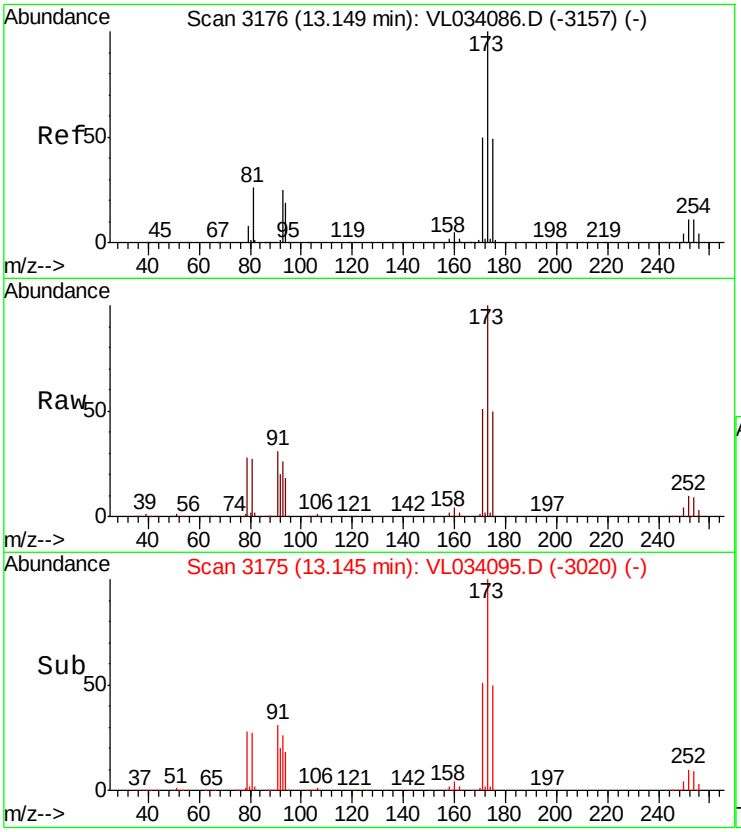


#48
Dibromochloromethane
Concen: 8.193 ppbv
RT: 10.40 min Scan# 2320
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:129 Resp: 1339572

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.2



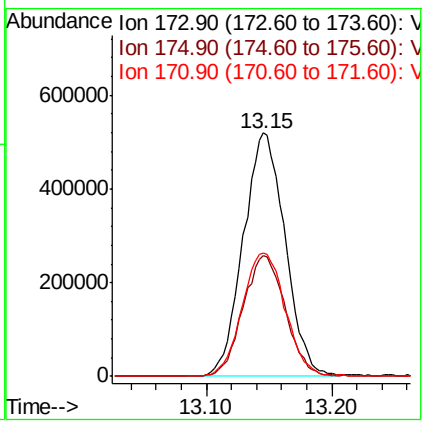


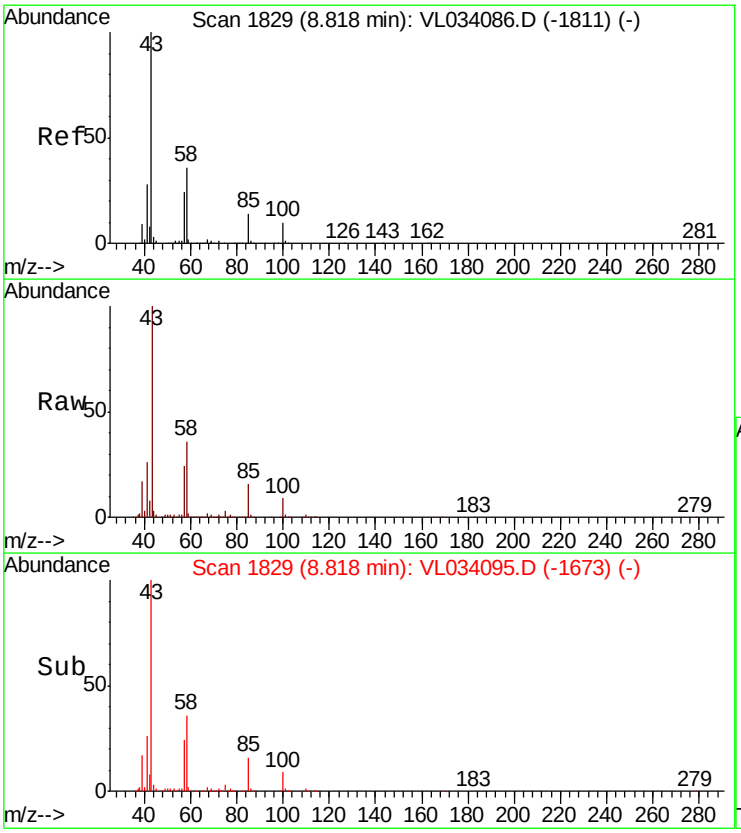
#49
Bromoform
Concen: 8.251 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion:173 Resp: 1206263

Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.8	59.8
171	52.5	42.7	64.1

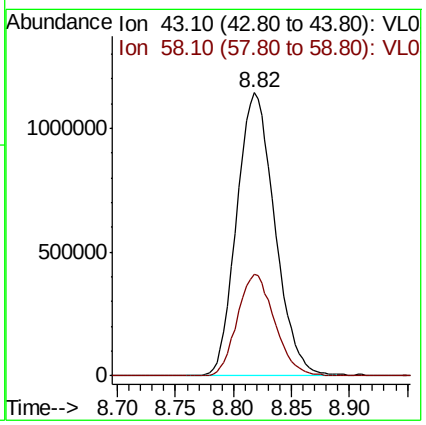


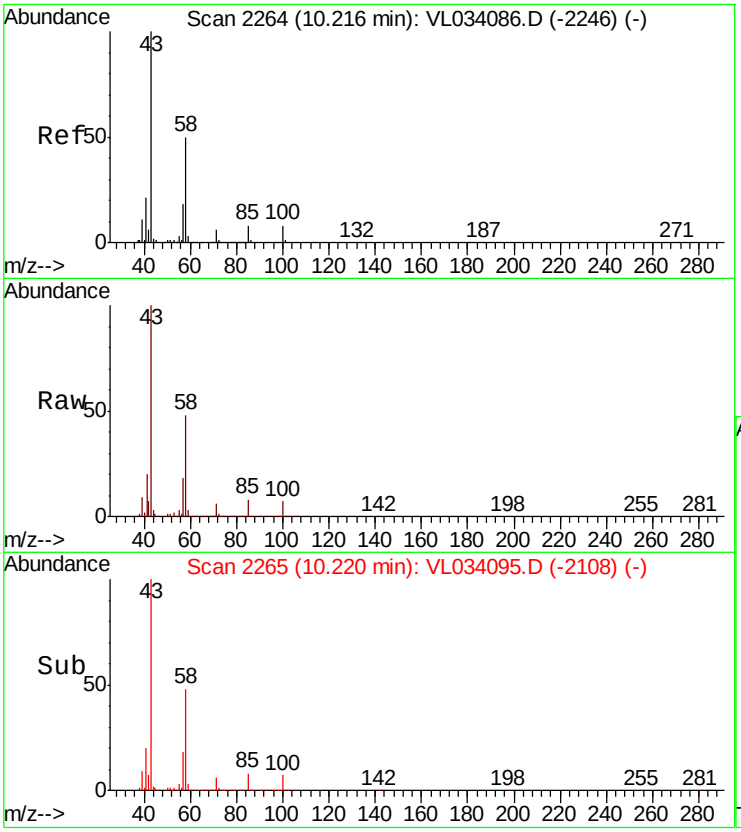


#50
4-Methyl-2-Pentanone
Concen: 7.931 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 43 Resp: 2609939

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.2	42.2



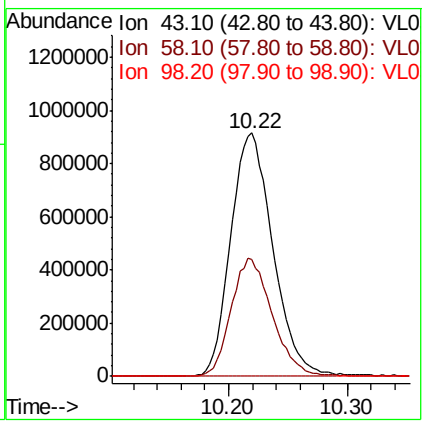


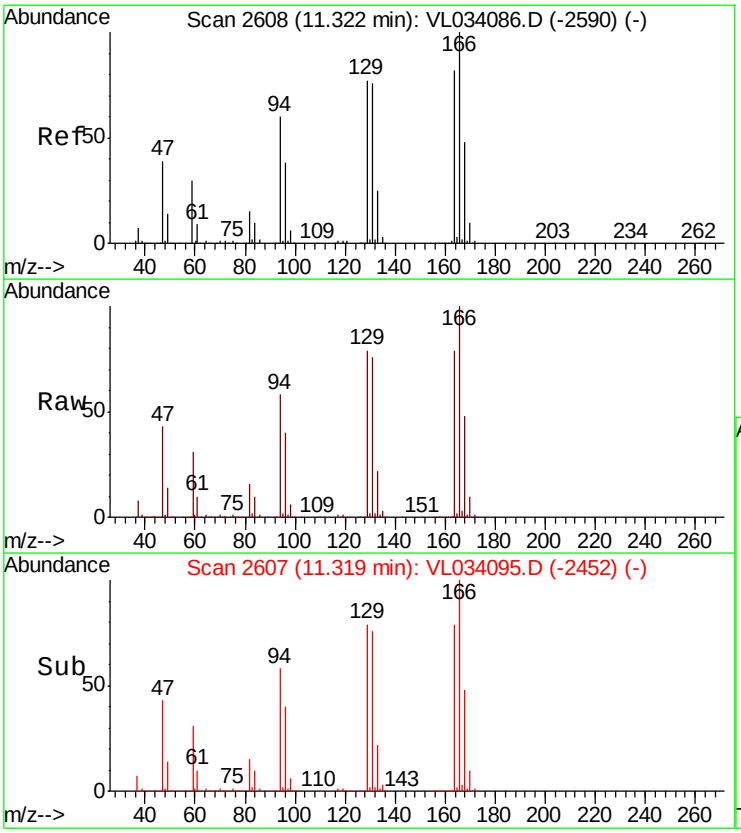
#51
2-Hexanone
Concen: 8.100 ppbv
RT: 10.22 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 43 Resp: 2240031

Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.5	57.7
98	0.1	0.0	0.0#

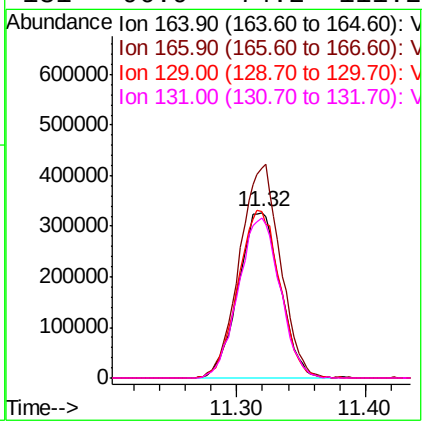


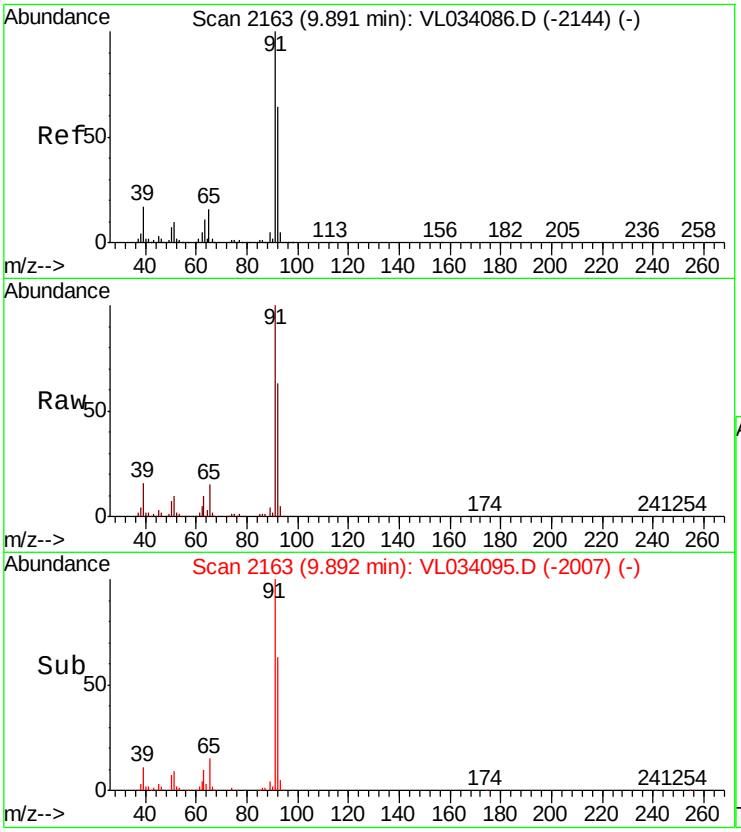


#52
Tetrachloroethene
Concen: 7.244 ppbv
RT: 11.32 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:164 Resp: 739424

Ion	Ratio	Lower	Upper
164	100		
166	127.1	96.8	145.2
129	100.2	74.9	112.3
131	96.9	74.2	111.2



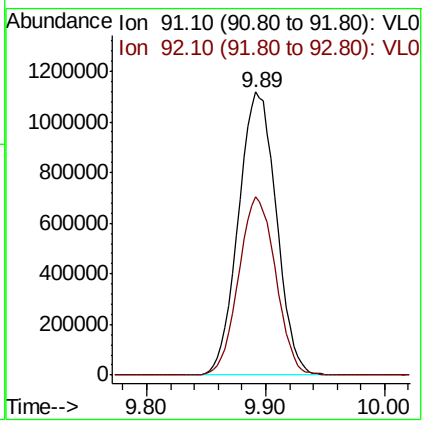


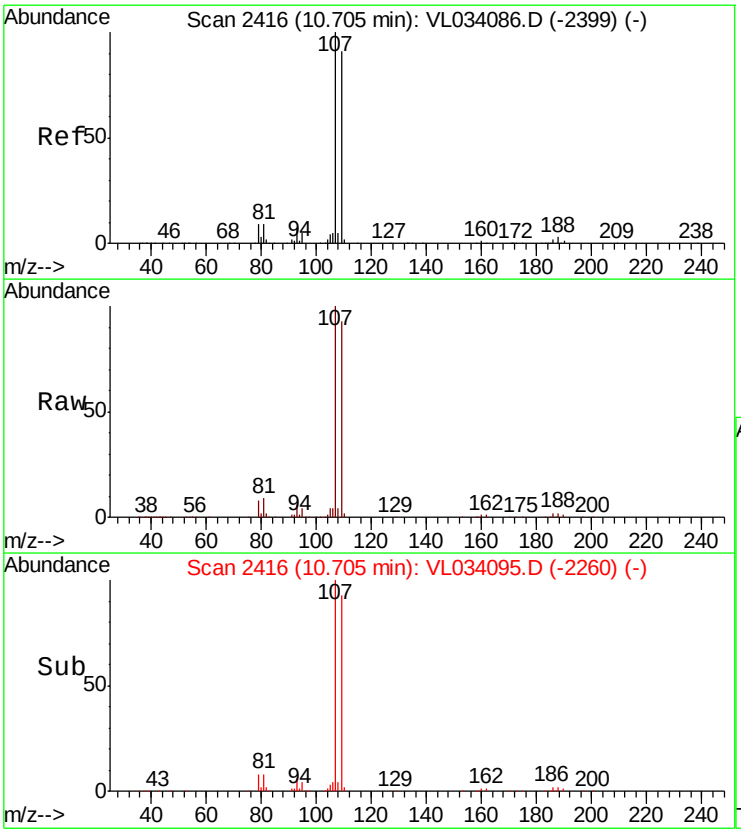
#53
Toluene
Concen: 8.075 ppbv
RT: 9.89 min Scan# 2163
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 91 Resp: 2463311

Ion	Ratio	Lower	Upper
91	100		
92	61.8	50.3	75.5

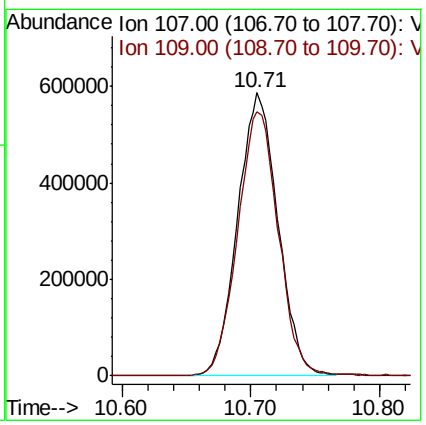


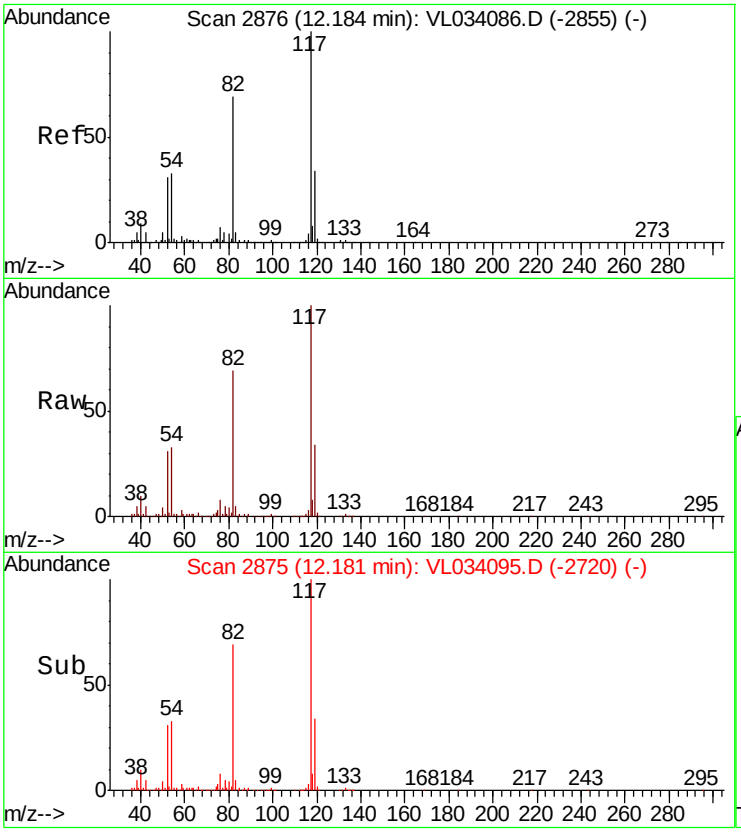


#54
1,2-Dibromoethane
Concen: 8.240 ppbv
RT: 10.71 min Scan# 2416
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:107 Resp: 1272922

Ion	Ratio	Lower	Upper
107	100		
109	93.5	72.9	109.3



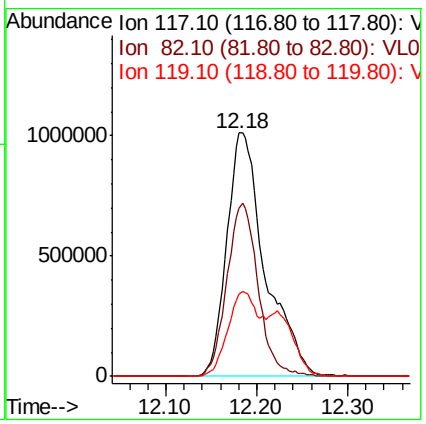


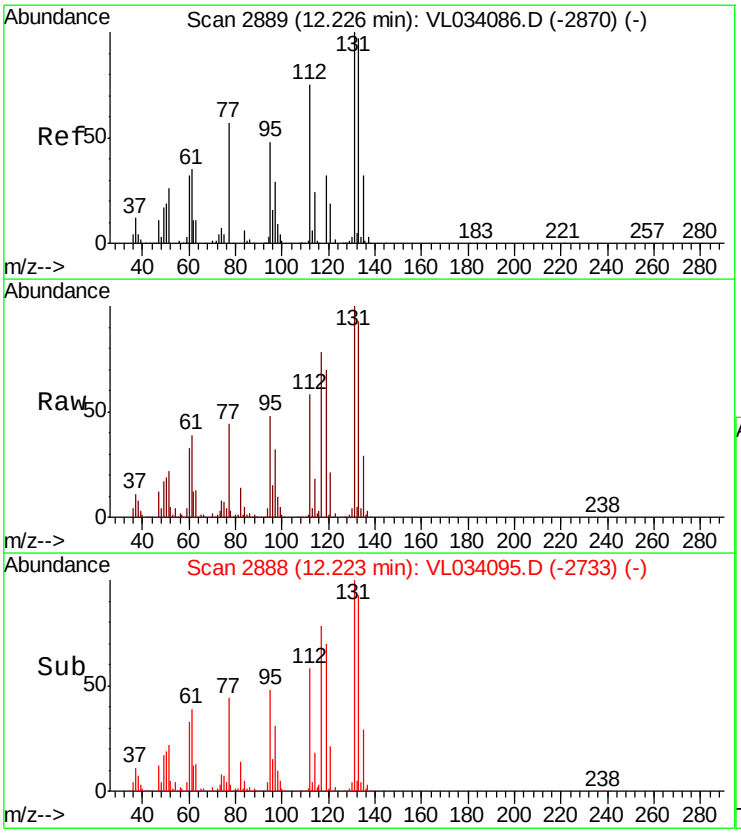
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:117 Resp: 2967320

Ion	Ratio	Lower	Upper
117	100		
82	58.1	52.2	78.4
119	46.4	44.8	67.2

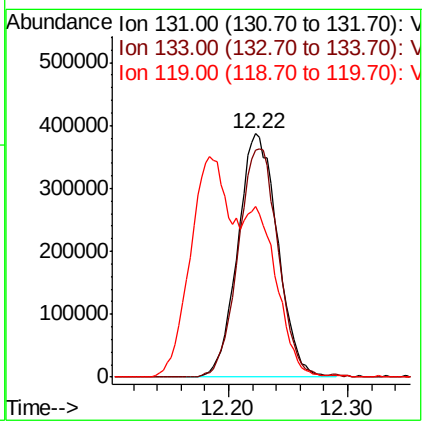


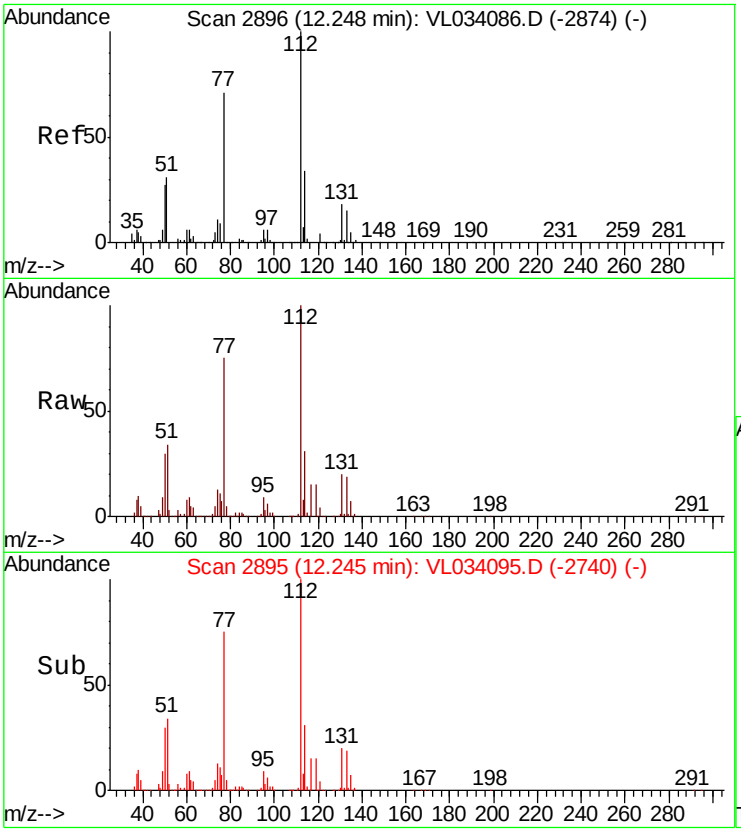


#56
1,1,1,2-Tetrachloroethane
Concen: 6.595 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:131 Resp: 894734

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.5	114.7
119	154.0	114.7	172.1



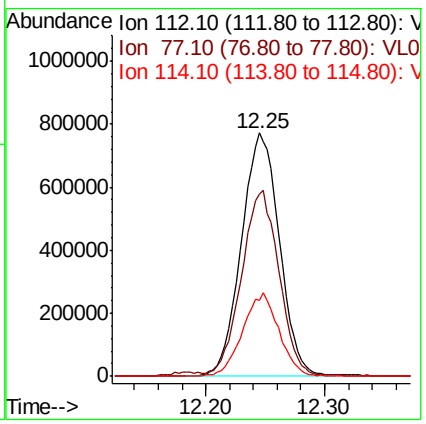


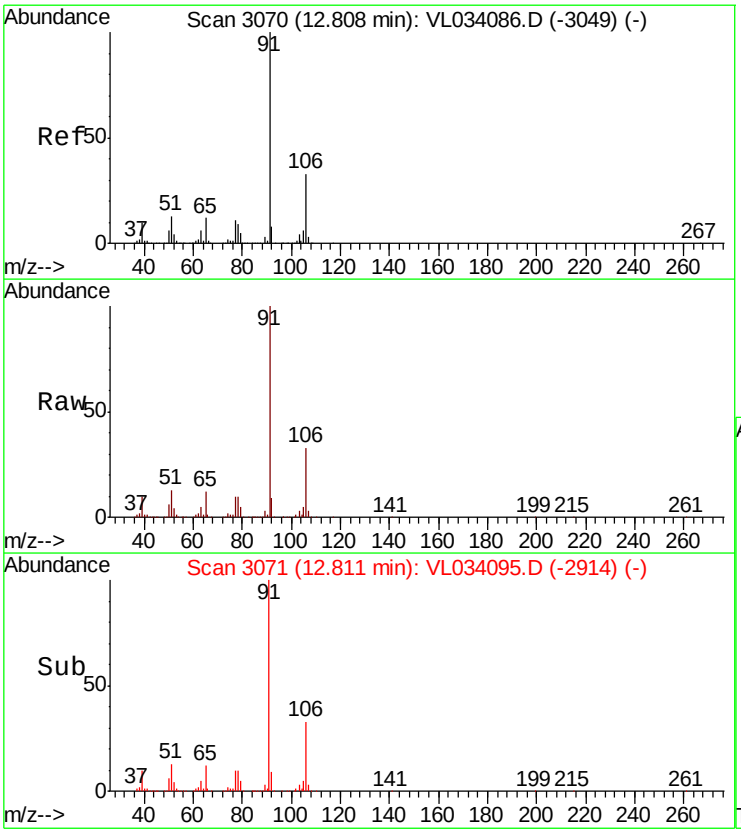
#57
Chlorobenzene
Concen: 6.380 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:112 Resp: 1704947

Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.8	86.6
114	31.2	30.3	37.1

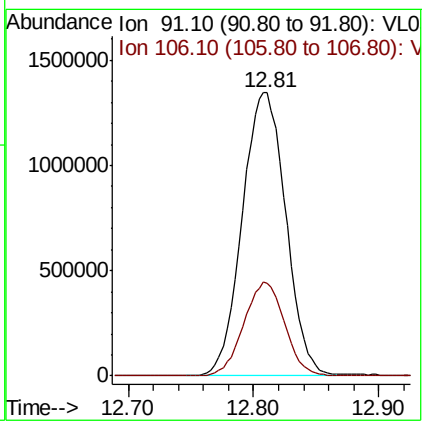


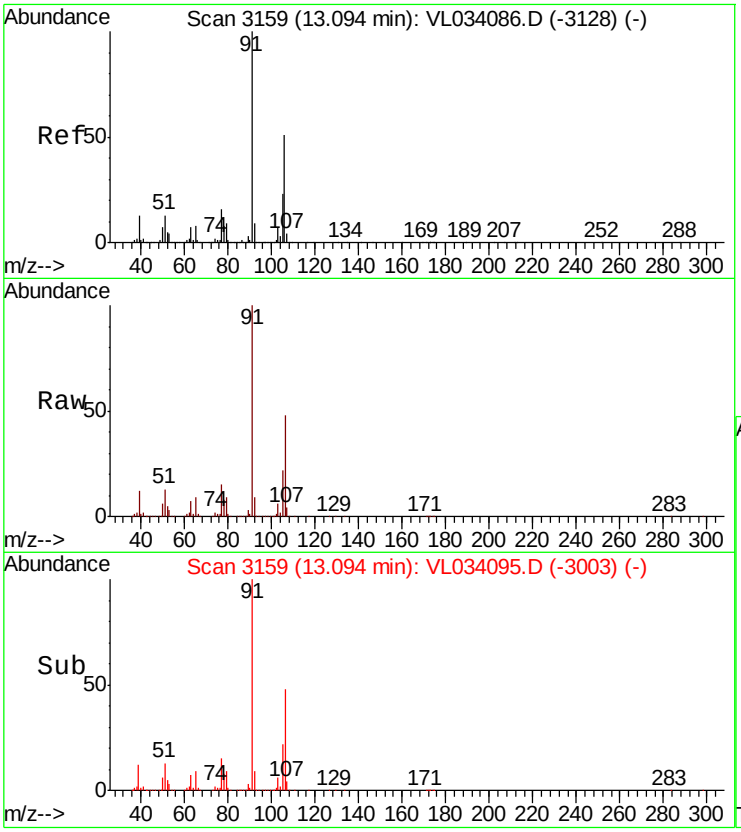


#58
Ethyl Benzene
Concen: 6.488 ppbv
RT: 12.81 min Scan# 3071
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 91 Resp: 3237014

Ion	Ratio	Lower	Upper
91	100		
106	32.6	26.0	39.0



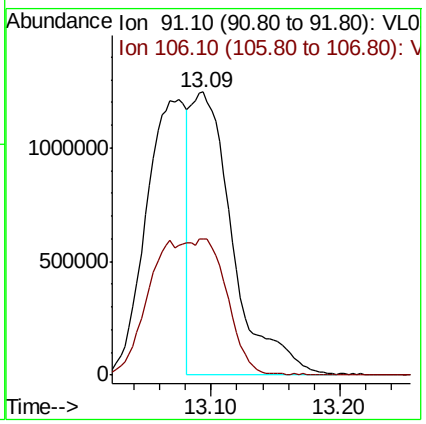


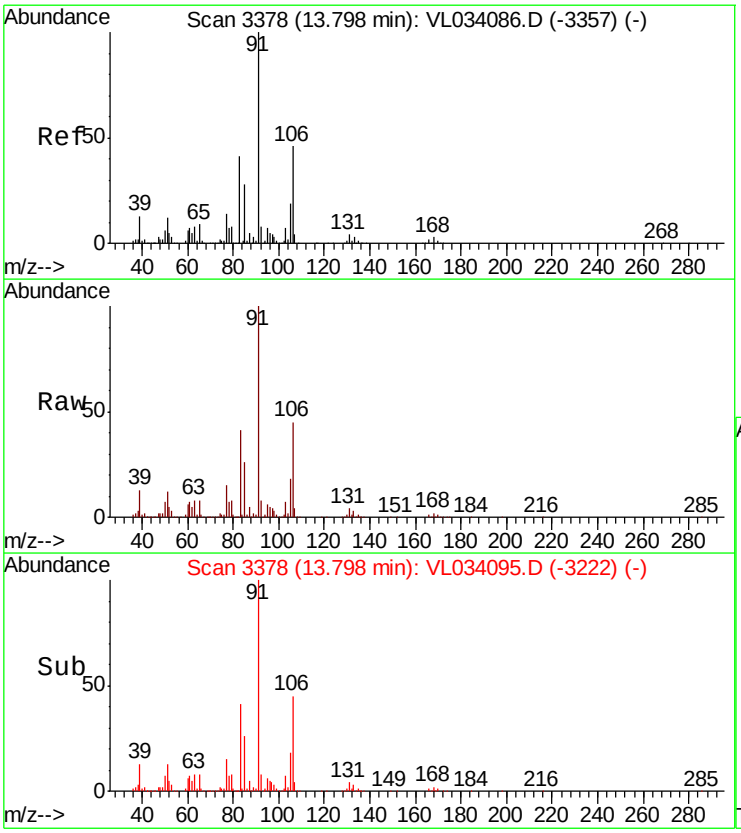
#59
m/p-Xylene
Concen: 6.993 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 91 Resp: 2800836

Ion	Ratio	Lower	Upper
91	100		
106	87.0	38.7	58.1#

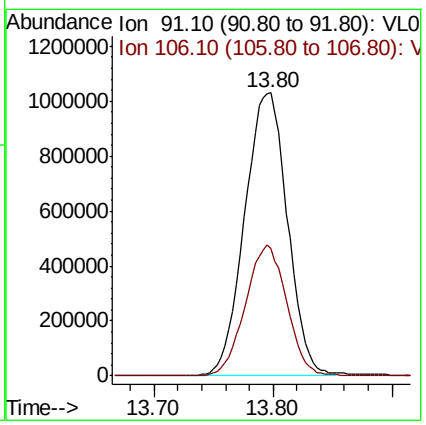


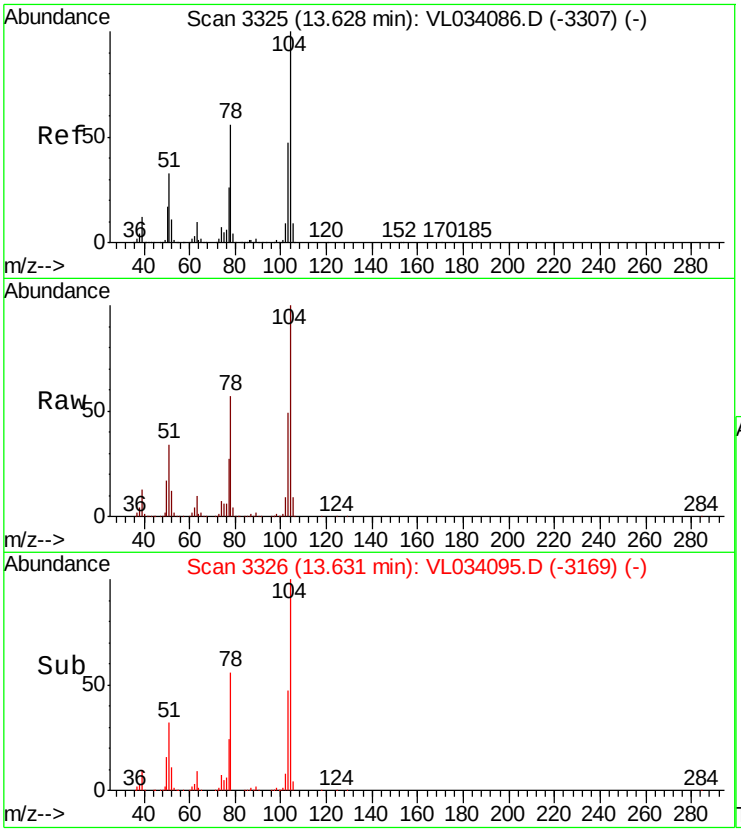


#60
o-Xylene
Concen: 6.396 ppbv
RT: 13.80 min Scan# 3378
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 91 Resp: 2559895

Ion	Ratio	Lower	Upper
91	100		
106	45.1	22.6	67.7



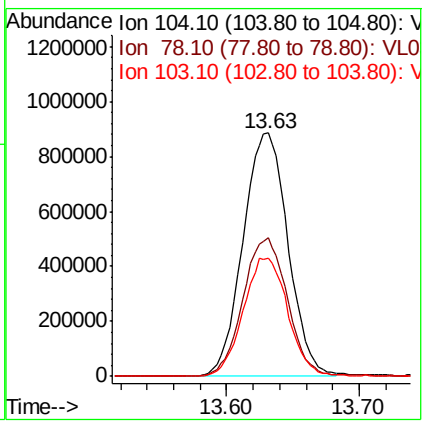


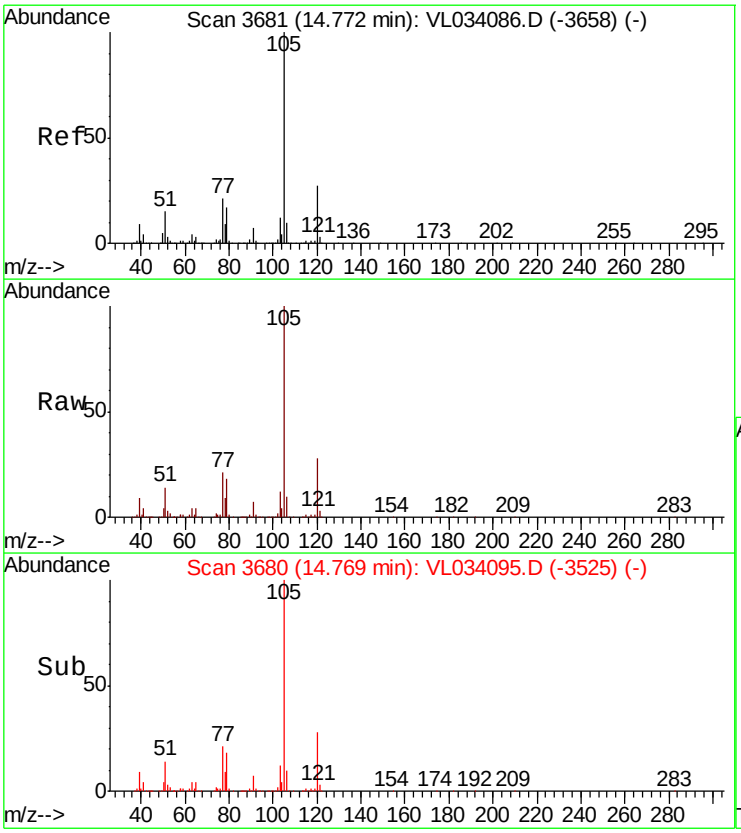
#61
Styrene
Concen: 6.586 ppbv
RT: 13.63 min Scan# 3326
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:104 Resp: 2092343

Ion	Ratio	Lower	Upper
104	100		
78	56.6	44.2	66.4
103	48.4	38.3	57.5

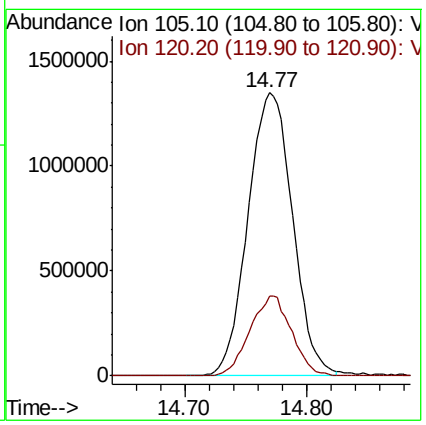


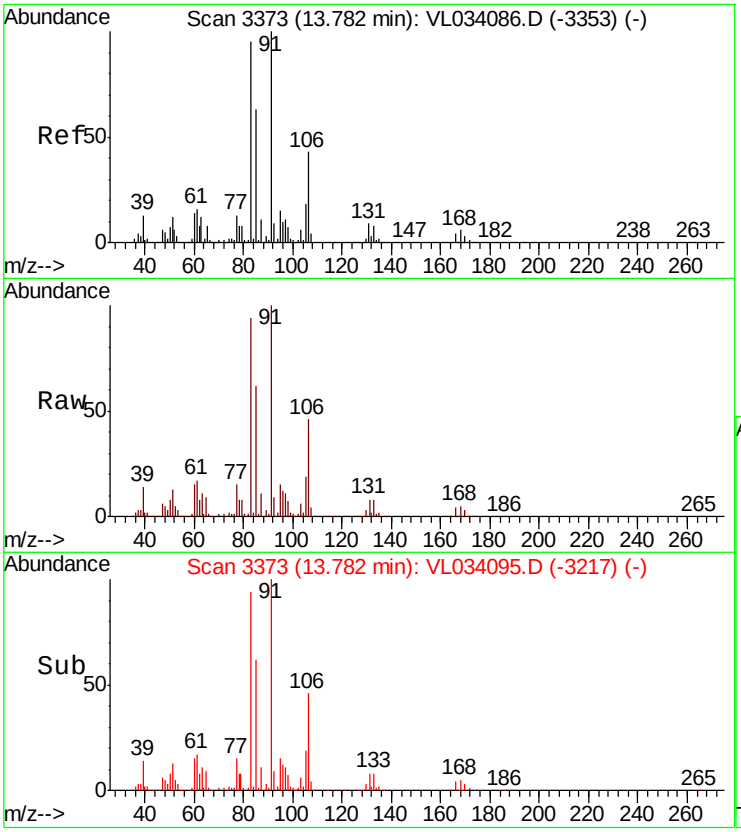


#62
Isopropylbenzene
Concen: 6.354 ppbv
RT: 14.77 min Scan# 3680
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 3413661

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.4	32.2



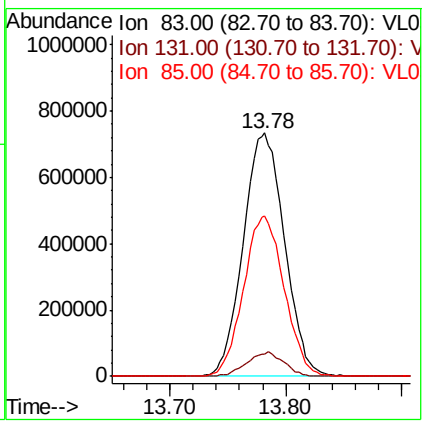


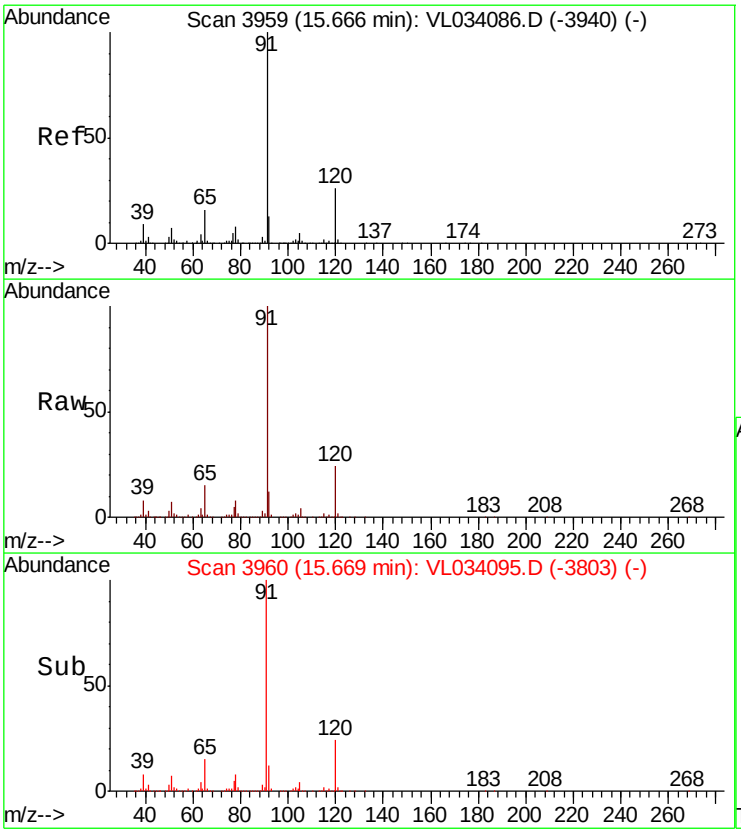
#63
1,1,2,2-Tetrachloroethane
Concen: 6.277 ppbv
RT: 13.78 min Scan# 3373
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion: 83 Resp: 1814907

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	65.1	32.6	97.8

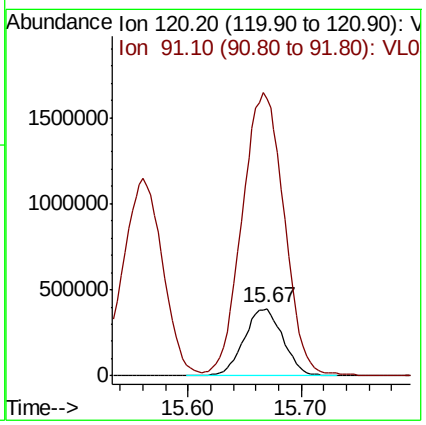


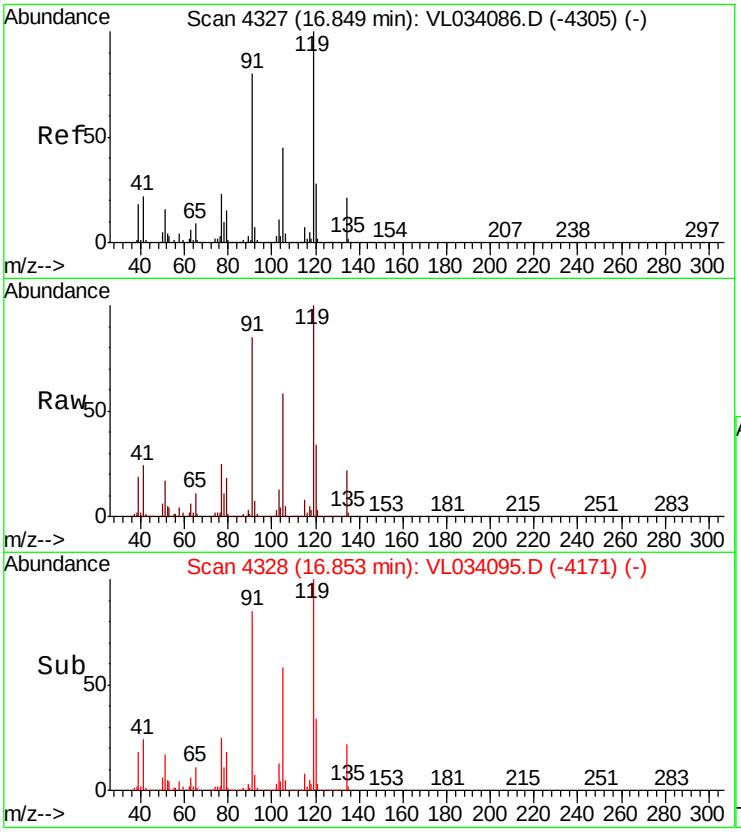


#64
n-propylbenzene
Concen: 6.564 ppbv
RT: 15.67 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:120 Resp: 932144

Ion	Ratio	Lower	Upper
120	100		
91	457.4	359.7	539.5



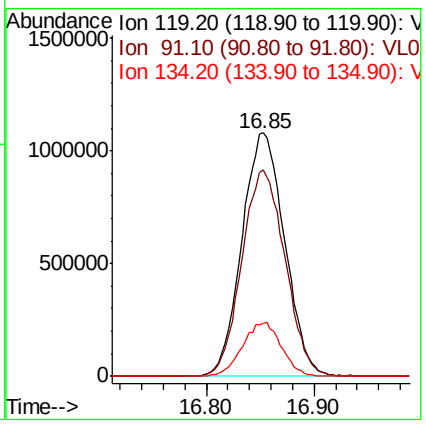


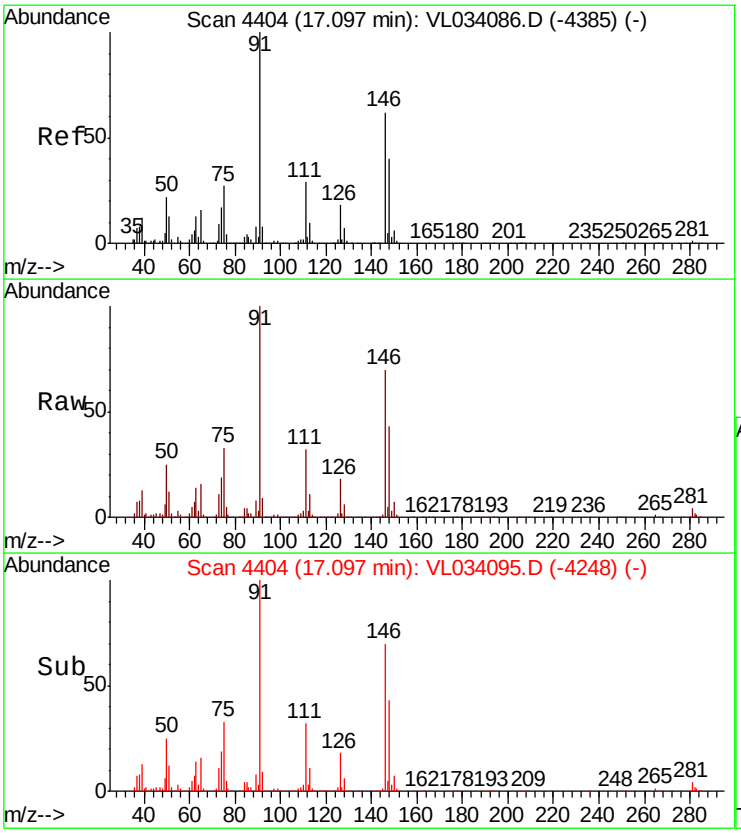
#65
tert-Butylbenzene
Concen: 6.198 ppbv
RT: 16.85 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion:119 Resp: 2966045

Ion	Ratio	Lower	Upper
119	100		
91	86.2	67.6	101.4
134	20.3	16.0	24.0

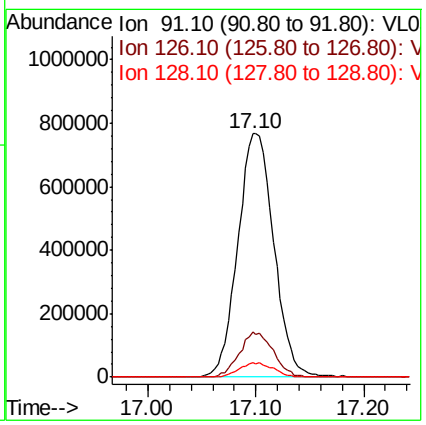


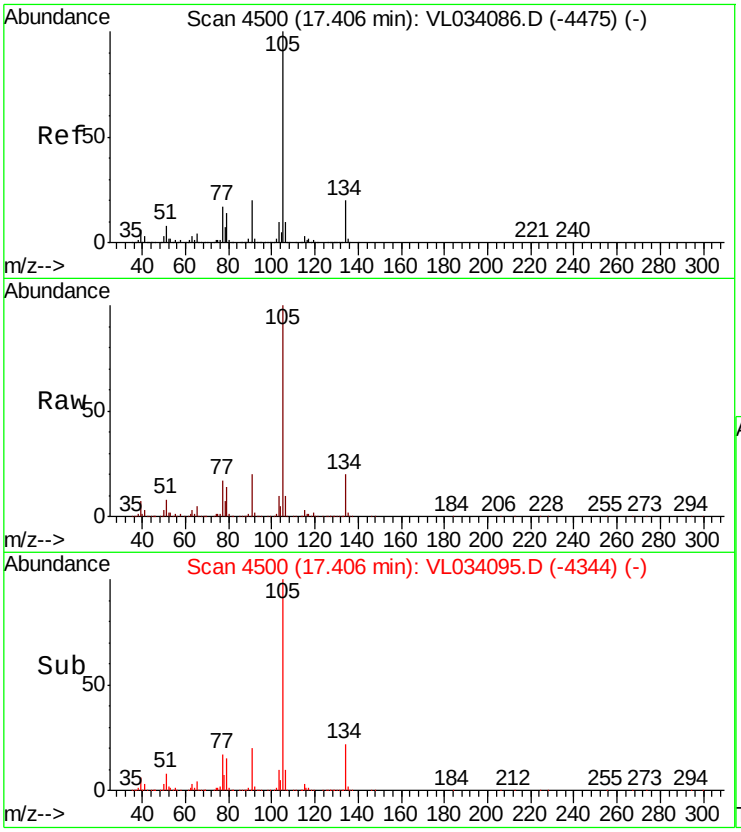


#66
Benzyl Chloride
Concen: 6.697 ppbv
RT: 17.10 min Scan# 4404
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 91 Resp: 1774165

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.8	22.2
128	5.6	4.8	7.2



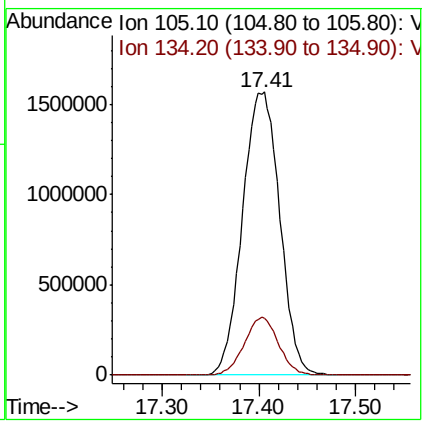


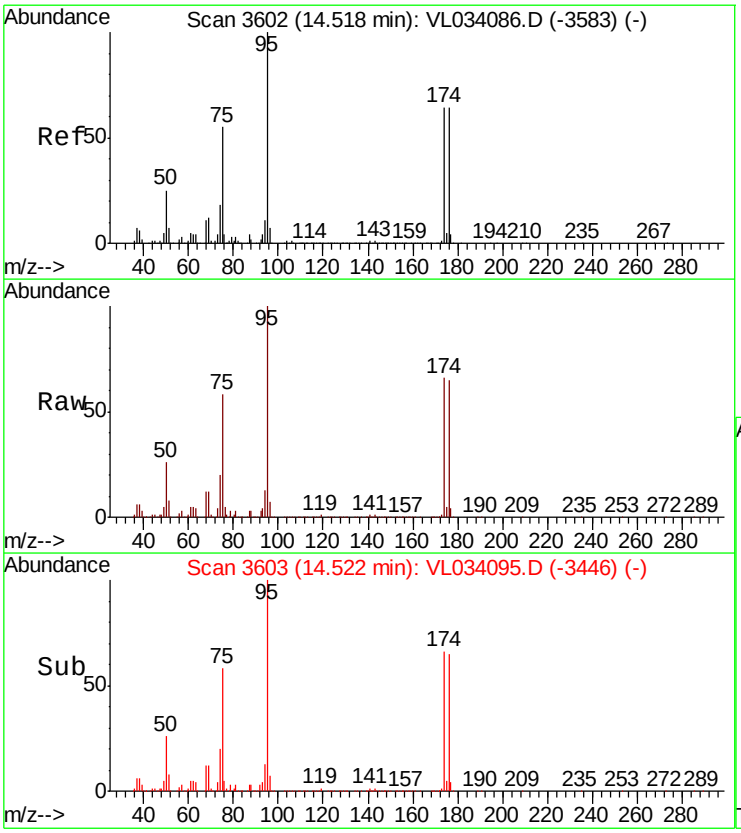
#67
sec-Butylbenzene
Concen: 6.200 ppbv
RT: 17.41 min Scan# 4500
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion:105 Resp: 4187362

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.4	23.2

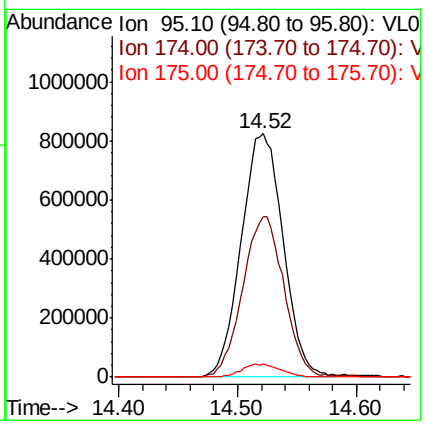


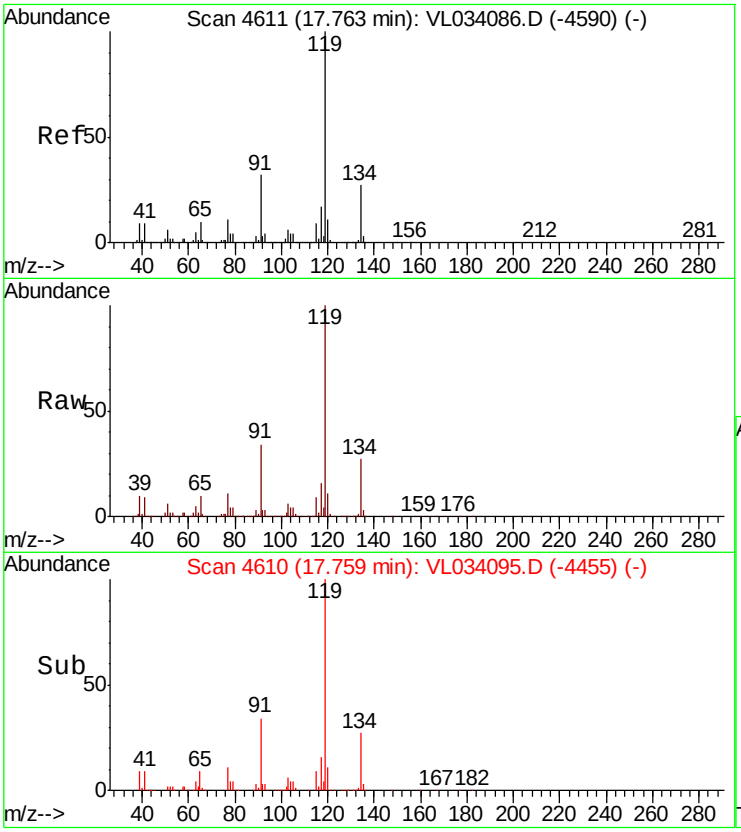


#68
1-Bromo-4-Fluorobenzene
Concen: 8.361 ppbv
RT: 14.52 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 95 Resp: 2012981

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.0	79.6
175	5.0	4.2	6.2



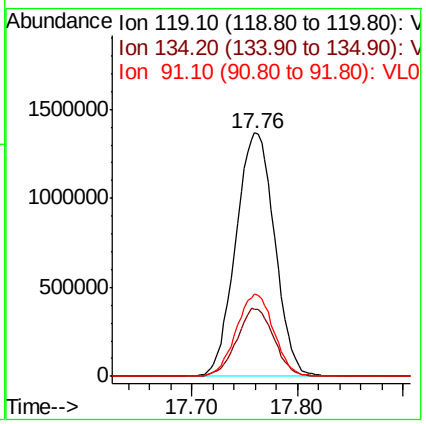


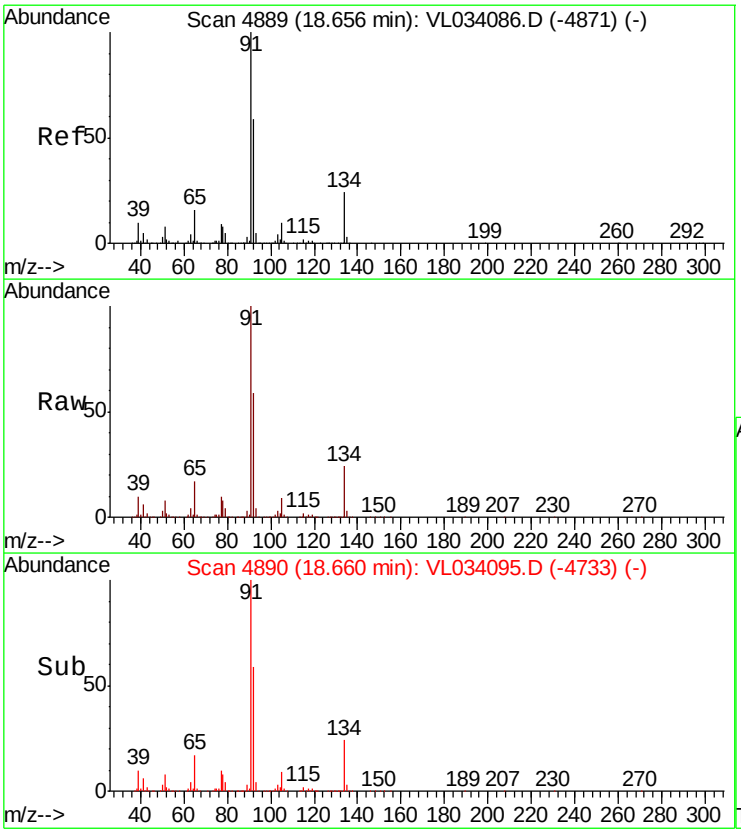
#69
p-Isopropyltoluene
Concen: 6.281 ppbv
RT: 17.76 min Scan# 4610
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:119 Resp: 3499157

Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.3	31.9
91	32.7	25.4	38.0

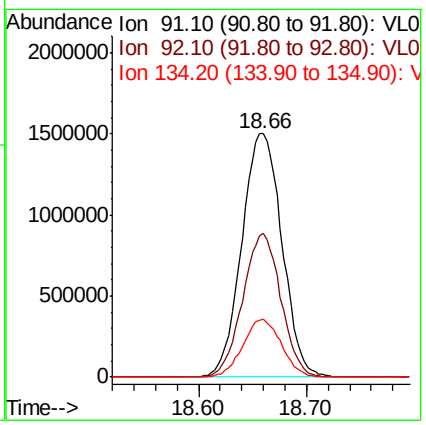


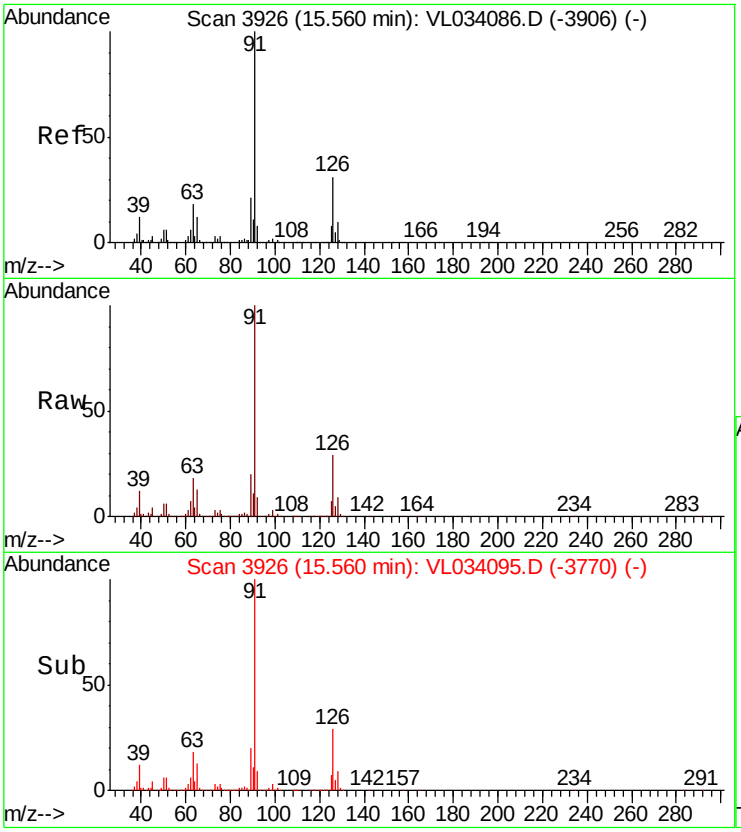


#70
n-Butylbenzene
Concen: 6.455 ppbv
RT: 18.66 min Scan# 4890
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 91 Resp: 3879174

Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.9	68.9
134	22.8	19.0	28.4



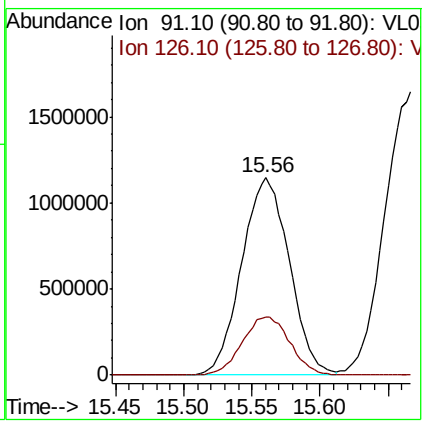


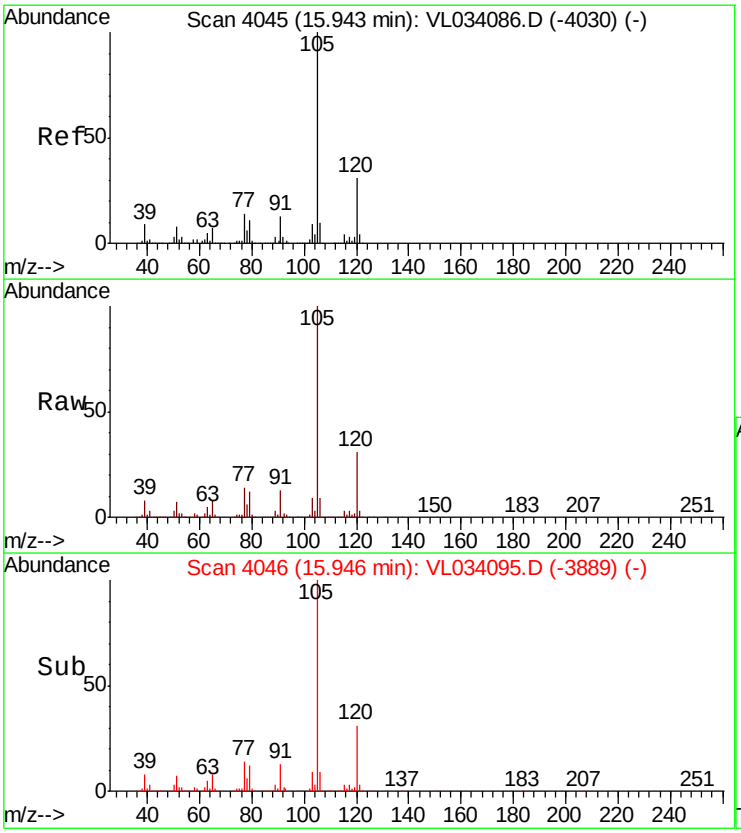
#71
2-Chlorotoluene
Concen: 6.422 ppbv
RT: 15.56 min Scan# 3926
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion: 91 Resp: 2774320

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.2	48.6

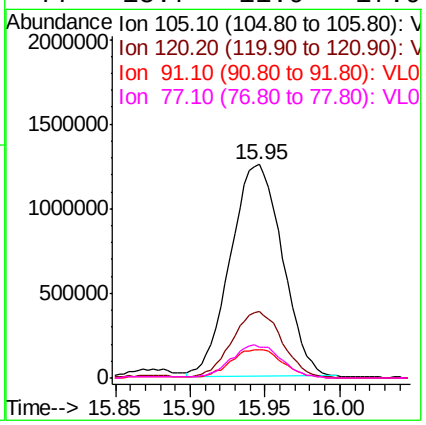


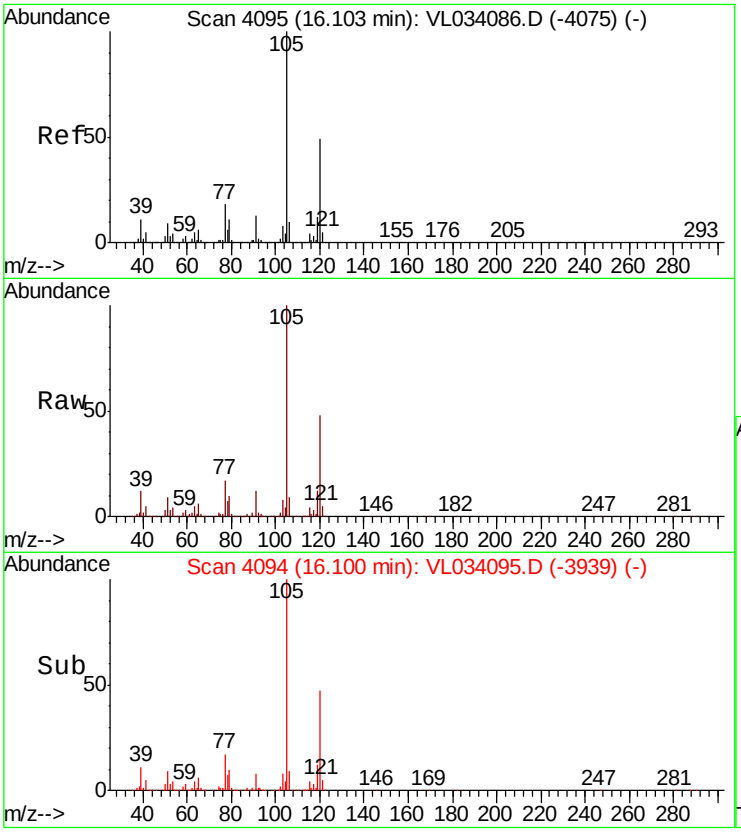


#72
4-Ethyltoluene
Concen: 6.460 ppbv
RT: 15.95 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 3042889

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.2	36.2
91	13.4	10.5	15.7
77	15.7	11.9	17.9



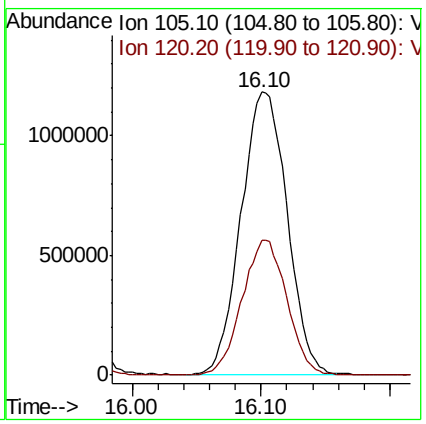


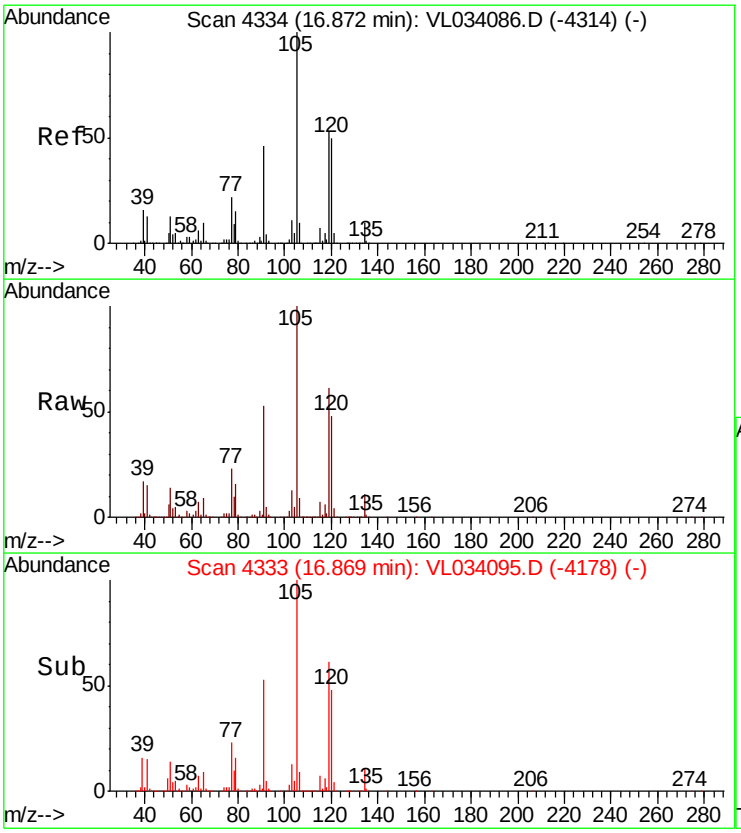
#73
1,3,5-Trimethylbenzene
Concen: 6.469 ppbv
RT: 16.10 min Scan# 4094
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion:105 Resp: 2931417

Ion	Ratio	Lower	Upper
105	100		
120	47.5	39.0	58.4

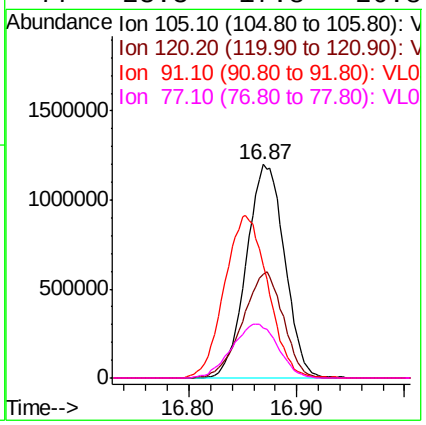


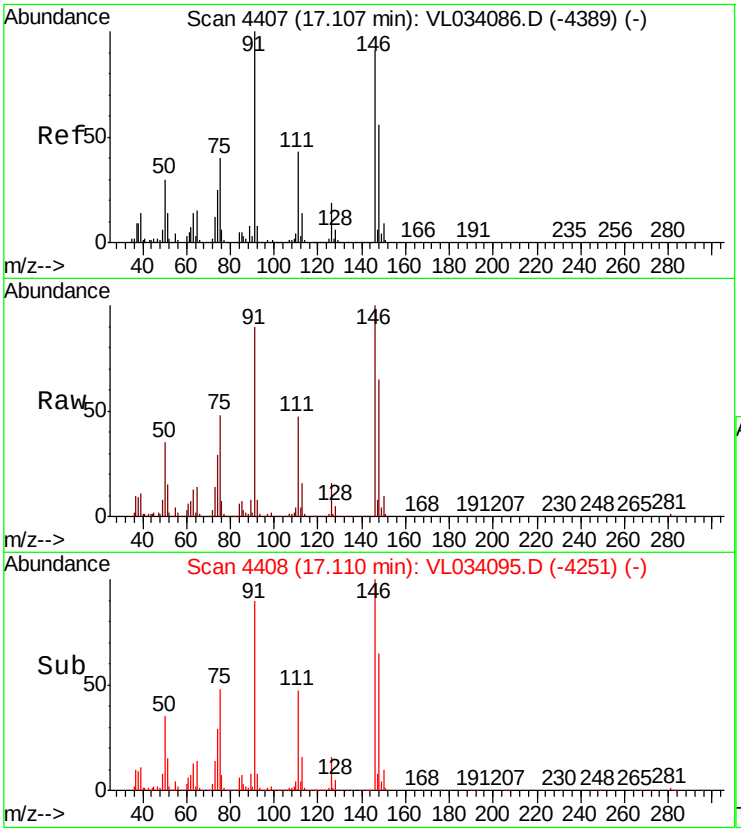


#74
1,2,4-Trimethylbenzene
Concen: 6.243 ppbv
RT: 16.87 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 2943377

Ion	Ratio	Lower	Upper
105	100		
120	48.1	40.2	60.4
91	52.5	38.1	57.1
77	23.3	17.8	26.8



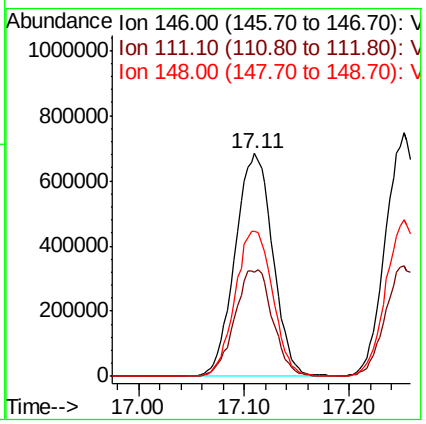


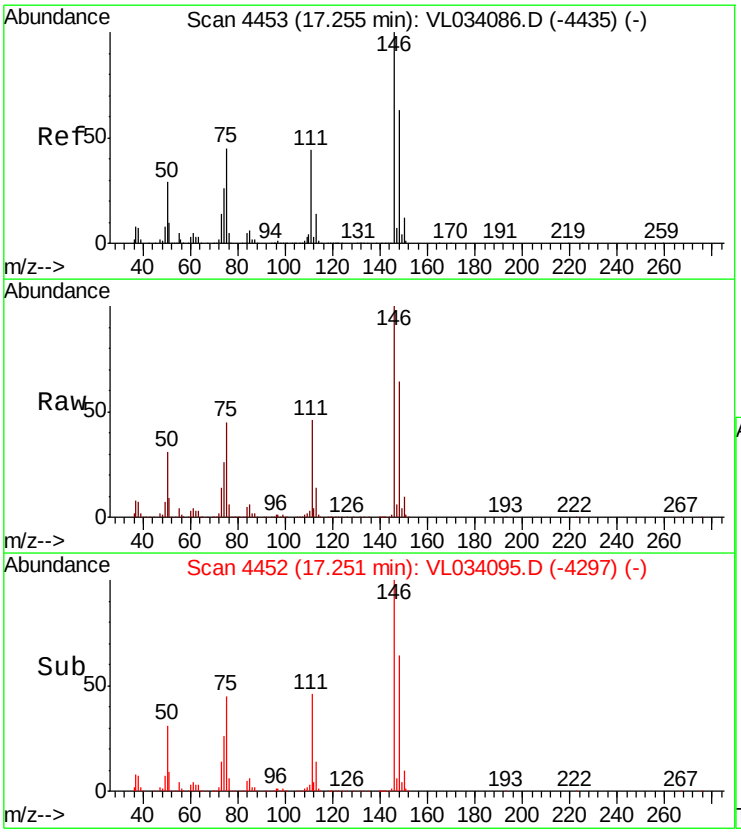
#75
1,3-Dichlorobenzene
Concen: 6.429 ppbv
RT: 17.11 min Scan# 4408
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:146 Resp: 1697451

Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.8	71.5
148	65.2	32.4	97.2

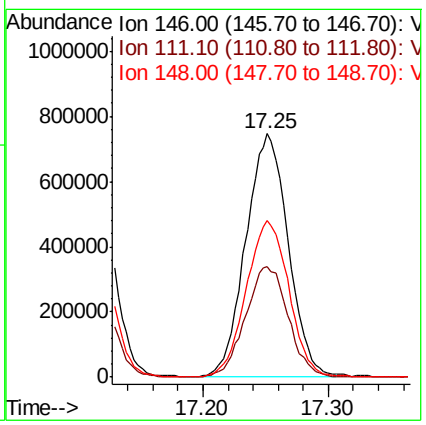


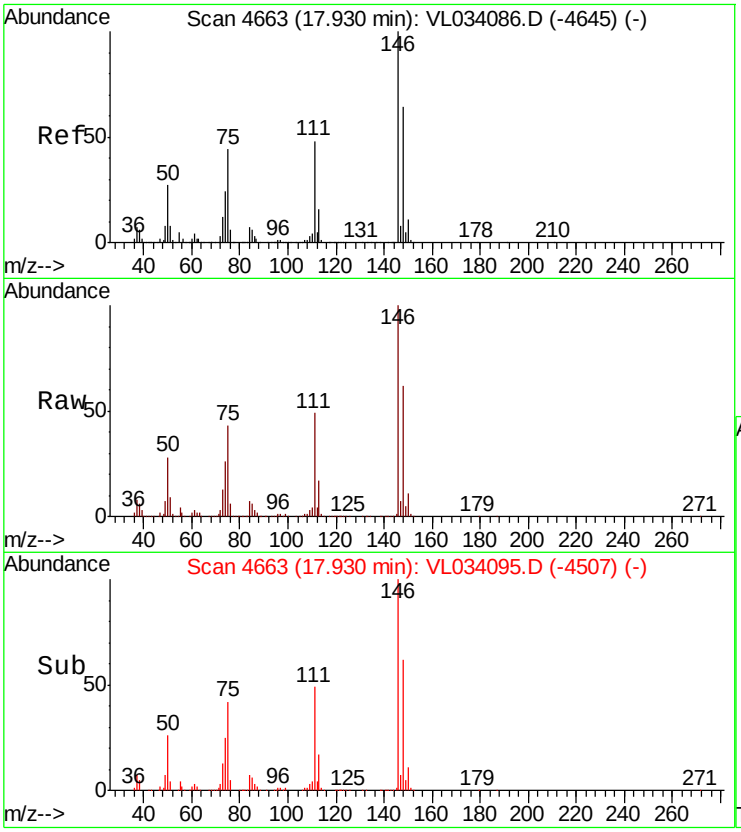


#76
1,4-Dichlorobenzene
Concen: 6.472 ppbv
RT: 17.25 min Scan# 4452
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:146 Resp: 1746273

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.2	69.5
148	65.2	32.1	96.5



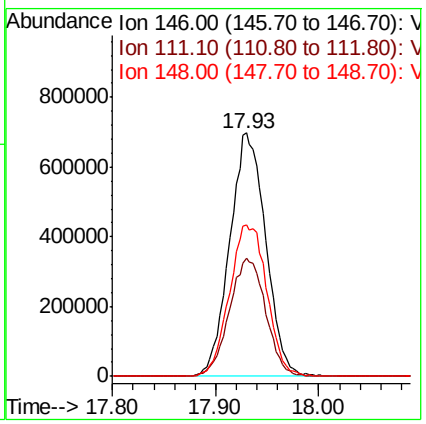


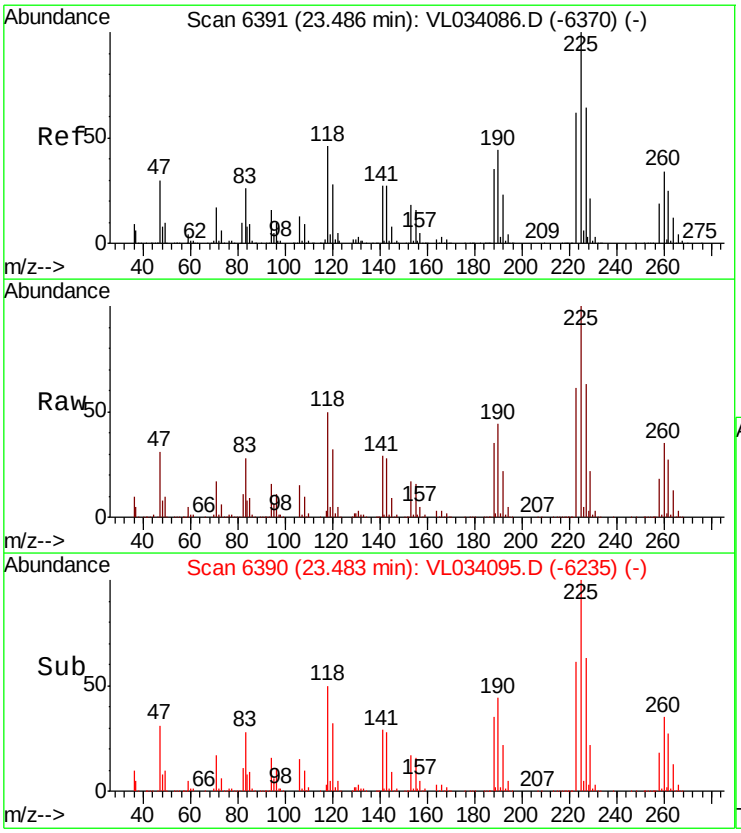
#77
1,2-Dichlorobenzene
Concen: 6.498 ppbv
RT: 17.93 min Scan# 4663
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument : MSVOA_L
ClientSampleId : VL0805ABS01

Tgt Ion:146 Resp: 1691598

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.0	72.0
148	64.9	31.9	95.7

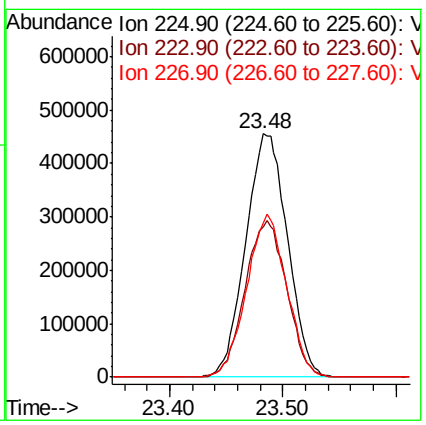


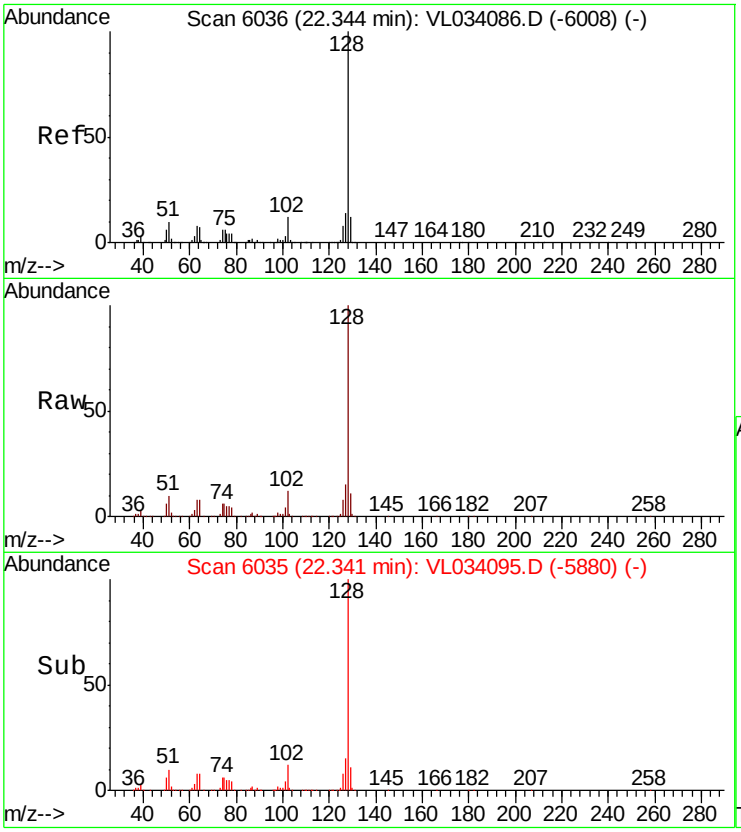


#78
Hexachloro-1,3-Butadiene
Concen: 5.672 ppbv
RT: 23.48 min Scan# 6390
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:225 Resp: 1170527

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.8	76.2
227	63.9	52.2	78.2



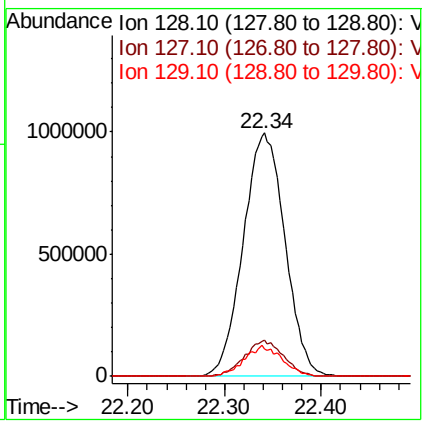


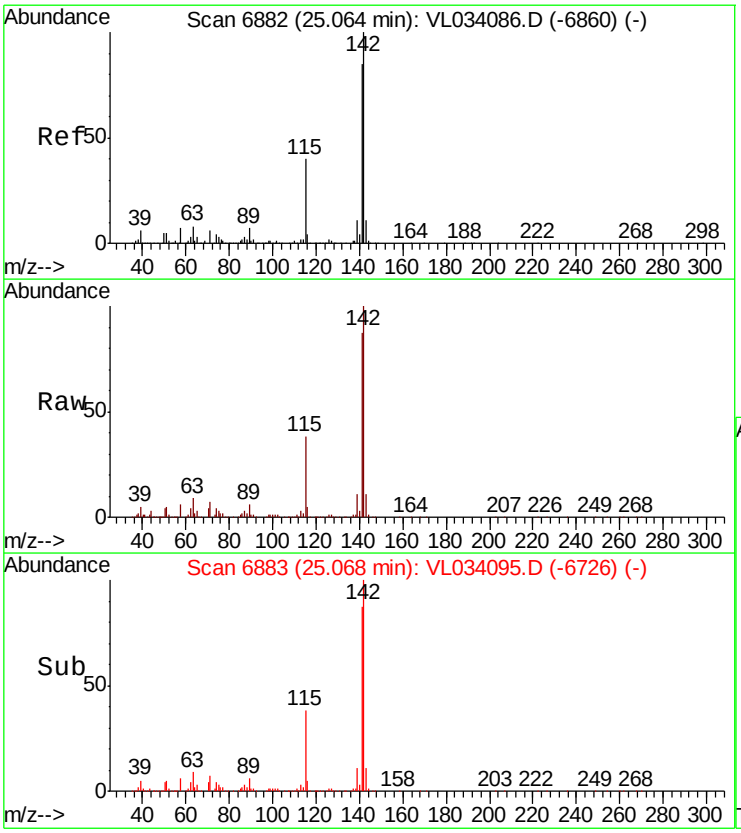
#79
Naphthalene
Concen: 6.094 ppbv
RT: 22.34 min Scan# 6035
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:128 Resp: 2983492

Ion	Ratio	Lower	Upper
128	100		
127	14.6	11.0	16.6
129	11.0	9.2	13.8

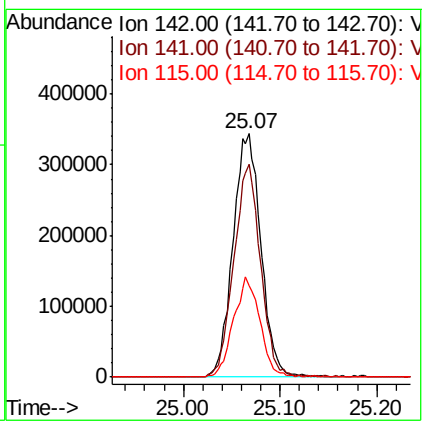


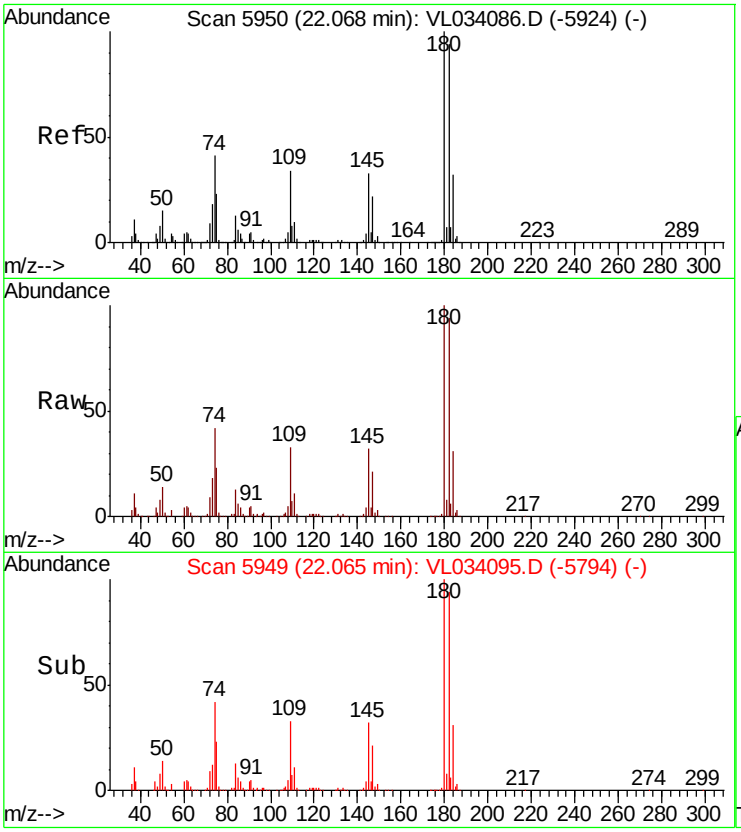


#80
Naphthalene,2-methyl-
Concen: 4.496 ppbv
RT: 25.07 min Scan# 6883
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:142 Resp: 690287

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.1	99.1
115	39.2	30.8	46.2





#81
1,2,4-Trichlorobenzene
Concen: 6.251 ppbv
RT: 22.06 min Scan# 5949
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tgt Ion:180 Resp: 1698861

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
184	31.0	25.0	37.4