Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034316.D
Acq On : 17 Oct 2019 13:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 18 04:43:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1081061	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2158773	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2840781	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1922000	7.99	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1356623	7.279	ppbv	99
3) Chlorodifluoromethane	2.97	51	1254924	9.904	ppbv	100
4) Chloromethane	3.13	50	764727	10.203	ppbv	97
5) Vinyl Chloride	3.25	62	701292	9.813	ppbv	96
6) Bromomethane	3.47	94	374866	10.712	ppbv	99
7) Chloroethane	3.55	64	260558	10.359	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1577755	9.770	ppbv	98
9) Propene	2.99	41	576403	10.262	ppbv	97
10) Heptane	8.18	43	1559172	10.815	ppbv	99
11) Trichlorofluoromethane	3.95	101	1764391	9.971	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1184112	10.215	ppbv	99
13) Ethanol	3.60	45	129524	10.299	ppbv	96
14) Bromoethene	3.74	108	489143	10.717	ppbv	98
15) Acetone	3.85	43	1328807	8.594	ppbv	100
16) 1,3-Butadiene	3.32	39	658505	10.481	ppbv	98
17) tert-Butyl alcohol	4.30	59	1206536	12.226	ppbv	99
18) 1,1-Dichloroethene	4.30	96	527704	10.397	ppbv	96
19) Isopropyl Alcohol	3.97	45	1028455	11.923	ppbv #	99
20) Methylene Chloride	4.35	84	474892	8.495	ppbv	93
21) Allyl Chloride	4.42	41	919522	10.757	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	544518	10.755	ppbv	100
23) Vinyl Acetate	5.10	43	2132458	11.043	ppbv #	98
24) 1,1-Dichloroethane	5.03	63	1453106	10.139	ppbv	99
25) Ethyl Acetate	5.71	43	2621158	10.041	ppbv	100
26) Hexane	5.72	57	1113378	10.006	ppbv	99
27) Carbon Disulfide	4.56	76	1360068	11.774	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1831314	10.875	ppbv	99
29) Chloroform	5.79	83	1776539	10.093	ppbv	95
30) Cyclohexane	7.18	84	895553	10.944	ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	1214673	10.756	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1775574	10.374	ppbv	100
34) 2-Butanone	5.27	43	1767144	10.015	ppbv	100
35) Carbon Tetrachloride	7.07	117	1861949	9.902	ppbv	97
36) Benzene	6.94	78	2115376	10.213	ppbv	98
37) 1,2-Dichloroethane	6.35	62	1541768	9.988	ppbv	100
38) Trichloroethene	7.89	130	834328	10.038	ppbv	95
39) 1,2-Dichloropropane	7.67	63	901764	10.111	ppbv	97
40) 1,4-Dioxane	7.88	88	331073	10.563	ppbv #	1
41) Tetrahydrofuran	6.08	42	1020409	10.420	ppbv	98
42) Bromodichloromethane	7.85	83	1952115	10.325	ppbv	99
43) Methyl Methacrylate	8.07	69	925322	10.801	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034316.D
Acq On : 17 Oct 2019 13:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 18 04:43:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3816290	9.955	ppbv		99
45) t-1,3-Dichloropropene	9.35	75	1243843	11.917	ppbv		99
46) cis-1,3-Dichloropropene	8.77	75	1391239	11.602	ppbv		98
47) 1,1,2-Trichloroethane	9.55	97	913255	10.109	ppbv		98
48) Dibromochloromethane	10.38	129	1617706	10.916	ppbv		100
49) Bromoform	13.13	173	1483146	11.294	ppbv		100
50) 4-Methyl-2-Pentanone	8.80	43	2632664	10.422	ppbv		99
51) 2-Hexanone	10.20	43	2199187	10.620	ppbv	#	98
52) Tetrachloroethene	11.30	164	796187	9.807	ppbv		97
53) Toluene	9.87	91	2442779	10.687	ppbv		99
54) 1,2-Dibromoethane	10.69	107	1363351	10.182	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.21	131	1073141	8.197	ppbv	#	65
57) Chlorobenzene	12.23	112	1857893	7.839	ppbv		99
58) Ethyl Benzene	12.79	91	3385935	8.526	ppbv		99
59) m/p-Xylene	13.08	91	3122562	9.075	ppbv	#	45
60) o-Xylene	13.78	91	2838412	8.285	ppbv		100
61) Styrene	13.61	104	2119340	8.786	ppbv		99
62) Isopropylbenzene	14.75	105	3653830	8.079	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	2003988	7.279	ppbv		100
64) n-propylbenzene	15.65	120	970833	8.364	ppbv		100
65) tert-Butylbenzene	16.84	119	1777181	4.434	ppbv	#	26
66) Benzyl Chloride	17.09	91	1640033	10.359	ppbv		100
67) sec-Butylbenzene	17.39	105	4556649	8.078	ppbv		100
69) p-Isopropyltoluene	17.74	119	3809142	8.283	ppbv		100
70) n-Butylbenzene	18.64	91	4105945	8.206	ppbv		99
71) 2-Chlorotoluene	15.54	91	2905889	8.286	ppbv		99
72) 4-Ethyltoluene	15.93	105	3268421	8.486	ppbv		100
73) 1,3,5-Trimethylbenzene	16.09	105	3163211	8.290	ppbv		99
74) 1,2,4-Trimethylbenzene	16.86	105	3237707	8.136	ppbv		99
75) 1,3-Dichlorobenzene	17.09	146	1896579	7.938	ppbv		99
76) 1,4-Dichlorobenzene	17.24	146	1899143	8.138	ppbv		99
77) 1,2-Dichlorobenzene	17.91	146	1850802	7.901	ppbv		100
78) Hexachloro-1,3-Butadiene	23.48	225	1583361	8.172	ppbv		99
79) Naphthalene	22.32	128	2799010	9.629	ppbv		97
80) Naphthalene,2-methyl-	25.06	142	1537029	18.293	ppbv		95
81) 1,2,4-Trichlorobenzene	22.05	180	1693383	8.919	ppbv		99

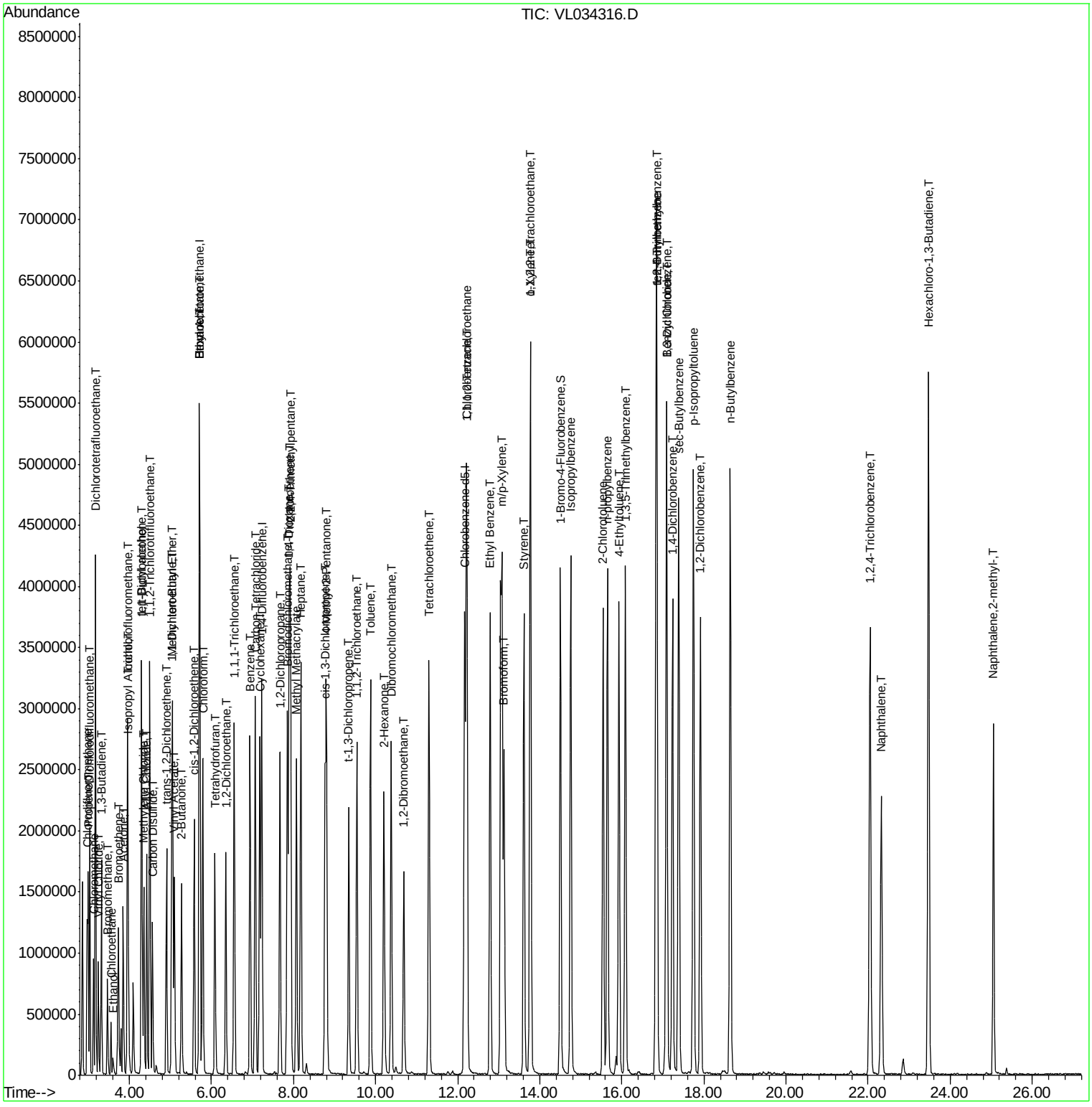
(#) = qualifier out of range (m) = manual integration (+) = signals summed

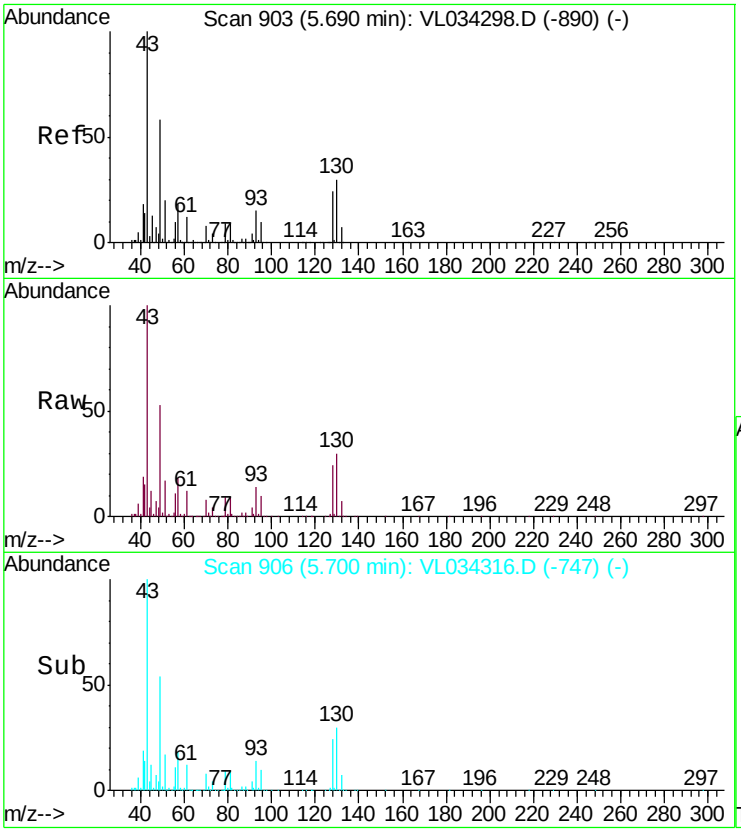
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034316.D
Acq On : 17 Oct 2019 13:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 18 04:43:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



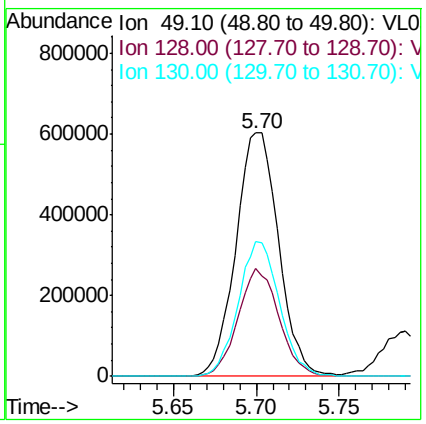


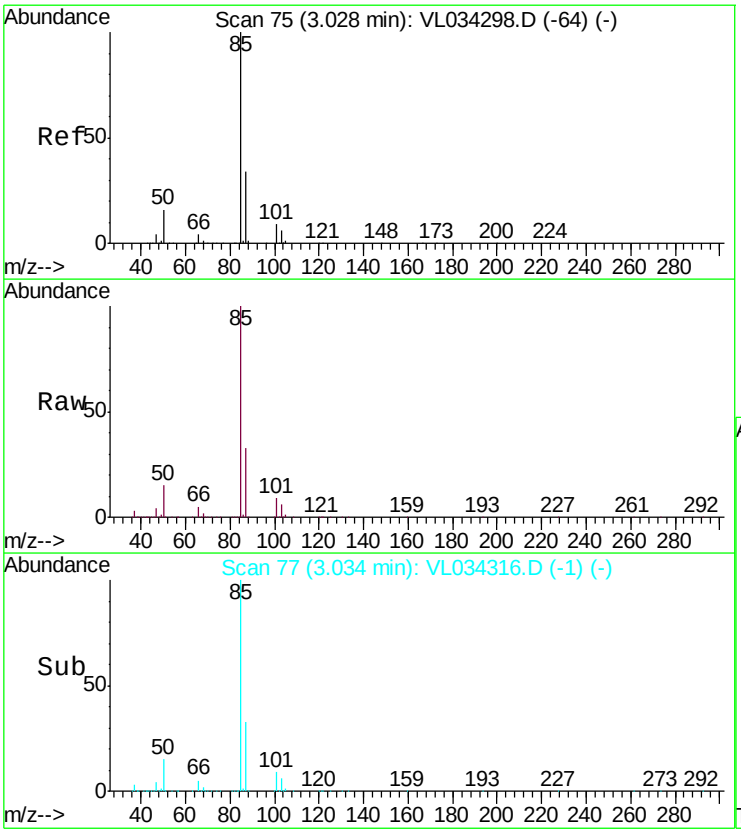
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1081061

Ion	Ratio	Lower	Upper
49	100		
128	42.8	20.6	61.8
130	53.8	26.2	78.5

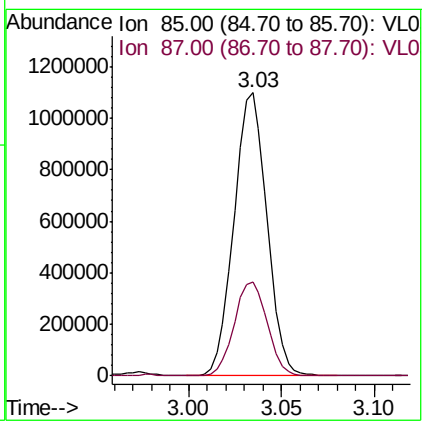


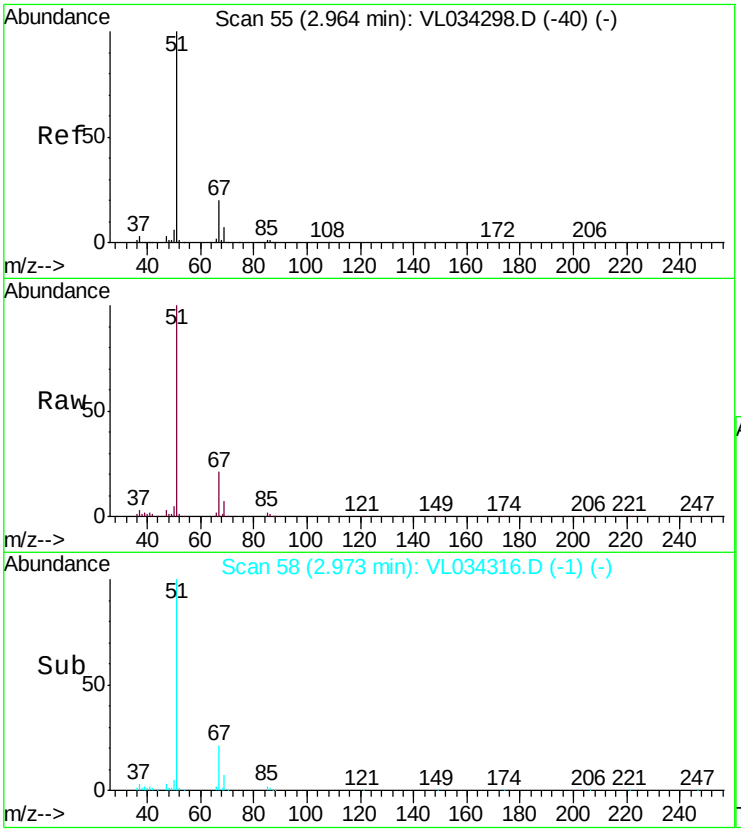


#2
Dichlorodifluoromethane
Concen: 7.279 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 85 Resp: 1356623

Ion	Ratio	Lower	Upper
85	100		
87	33.0	27.0	40.6



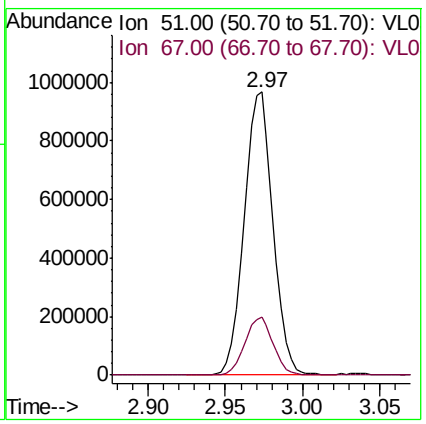


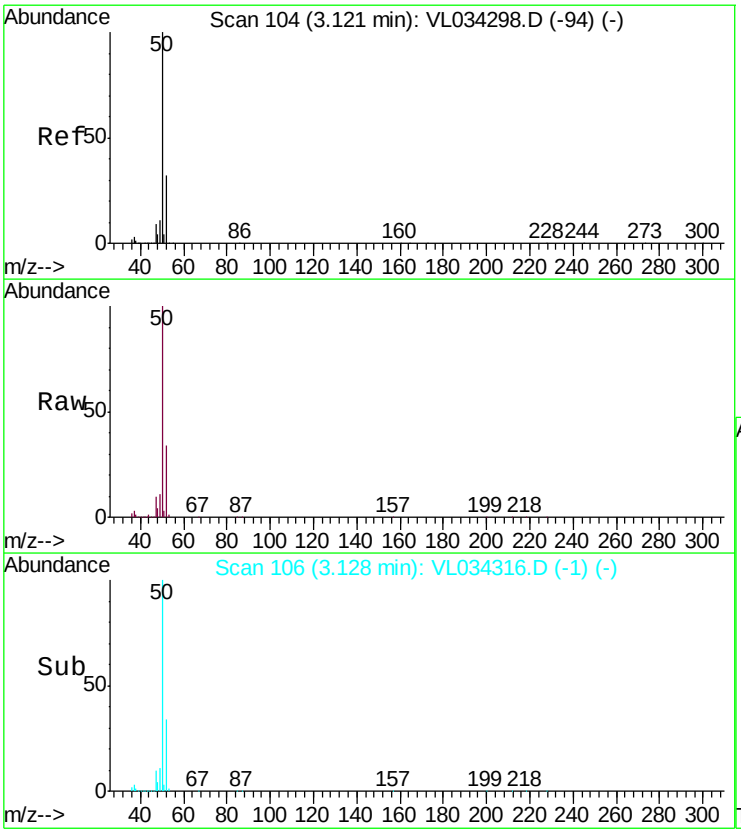
#3
Chlorodifluoromethane
Concen: 9.904 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1254924

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.8	23.8

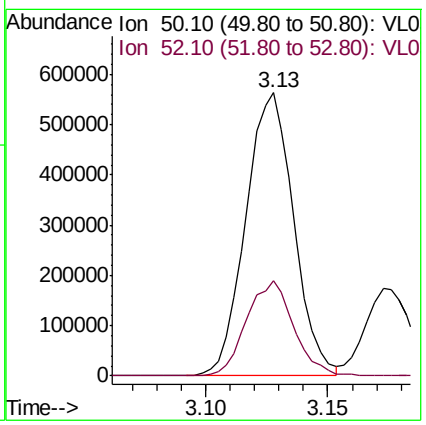


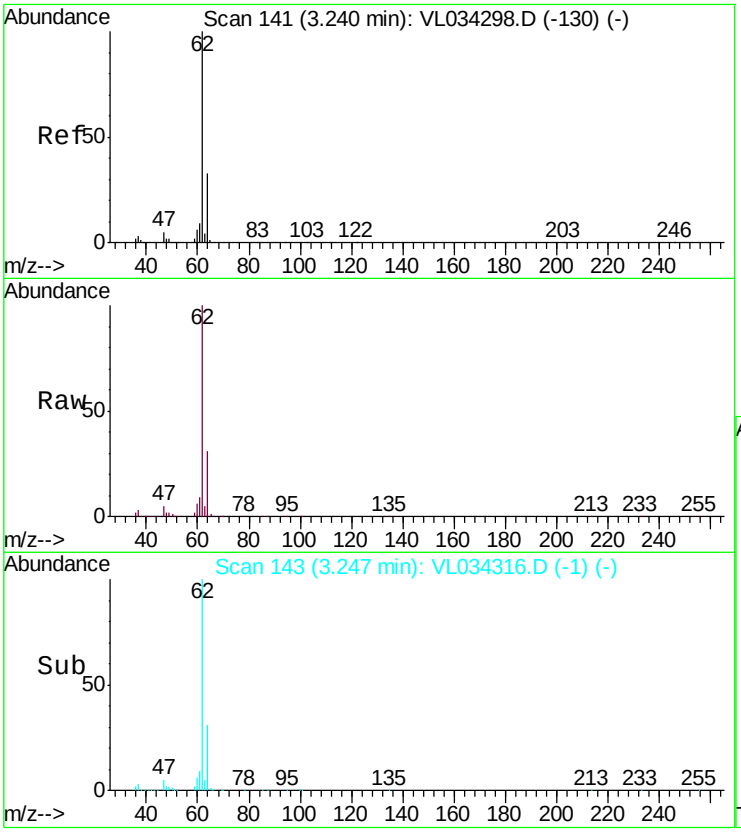


#4
Chloromethane
Concen: 10.203 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 50 Resp: 764727

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.4	38.2



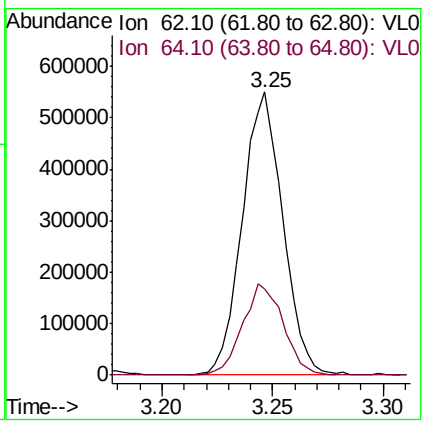


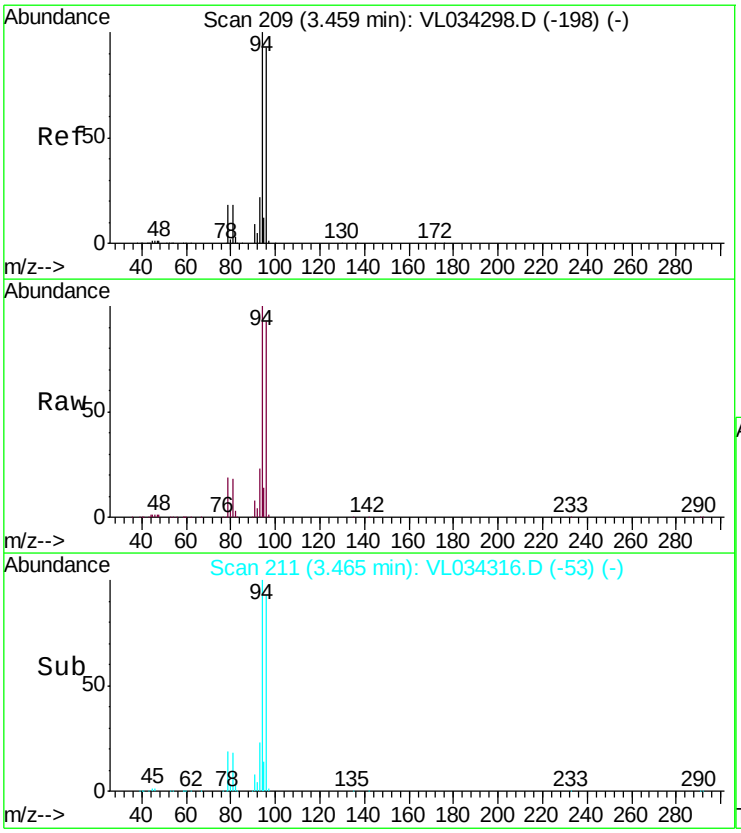
#5
Vinyl Chloride
Concen: 9.813 ppbv
RT: 3.25 min Scan# 143
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 701292

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.0	39.0

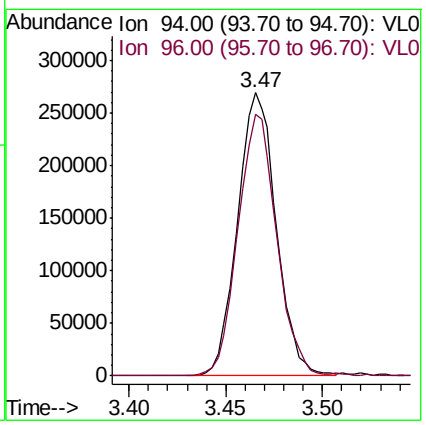


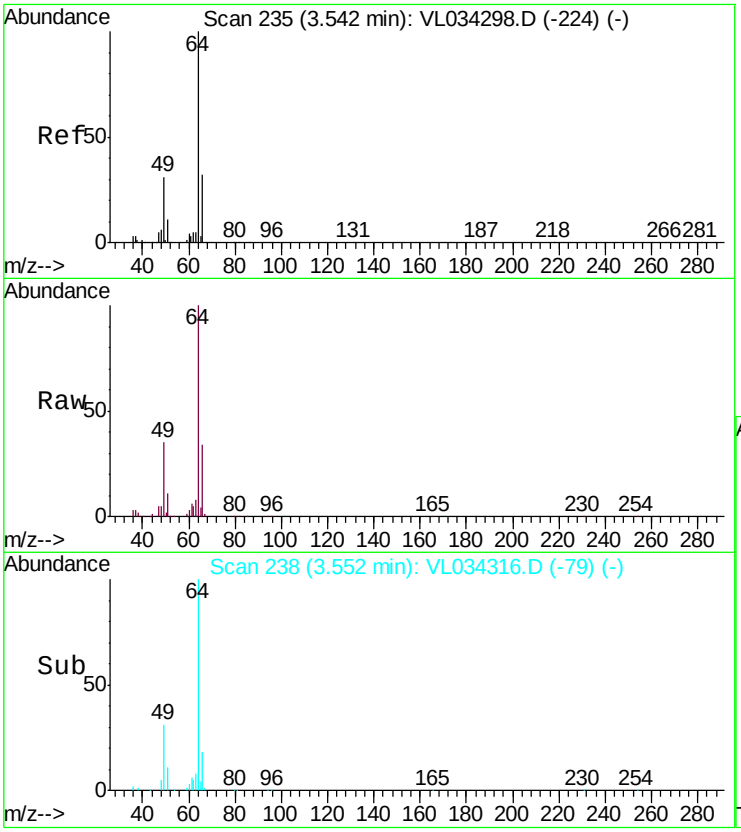


#6
Bromomethane
Concen: 10.712 ppbv
RT: 3.47 min Scan# 211
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 94 Resp: 374866

Ion	Ratio	Lower	Upper
94	100		
96	92.6	74.6	112.0



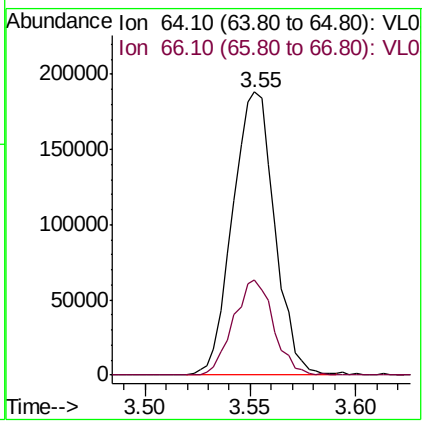


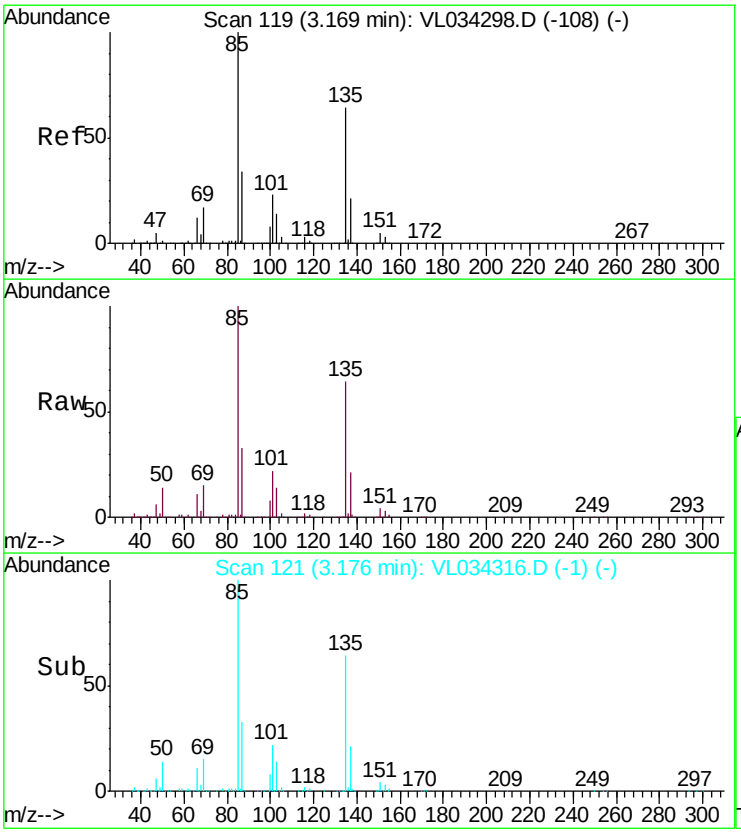
#7
Chloroethane
Concen: 10.359 ppbv
RT: 3.55 min Scan# 238
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 260558

Ion	Ratio	Lower	Upper
64	100		
66	33.6	25.4	38.0

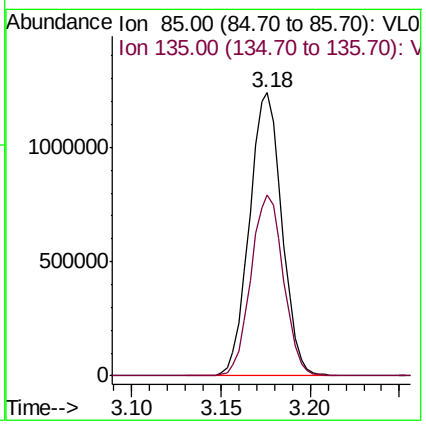


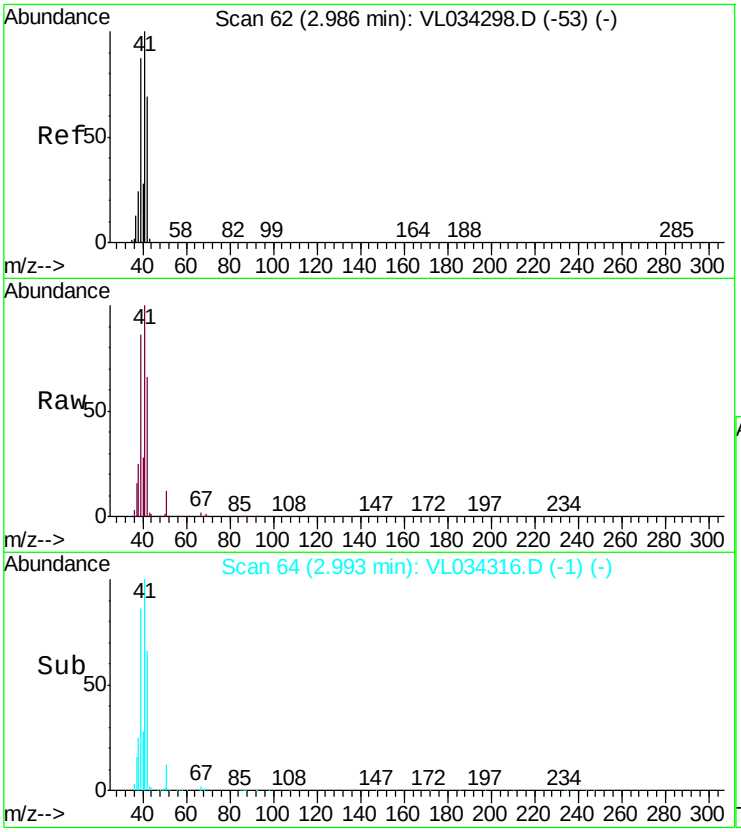


#8
Dichlorotetrafluoroethane
Concen: 9.770 ppbv
RT: 3.18 min Scan# 121
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 85 Resp: 1577755

Ion	Ratio	Lower	Upper
85	100		
135	64.3	50.2	75.2



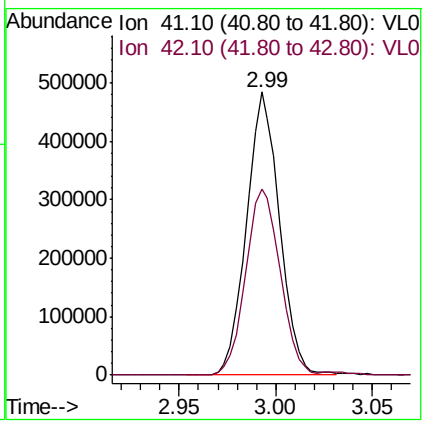


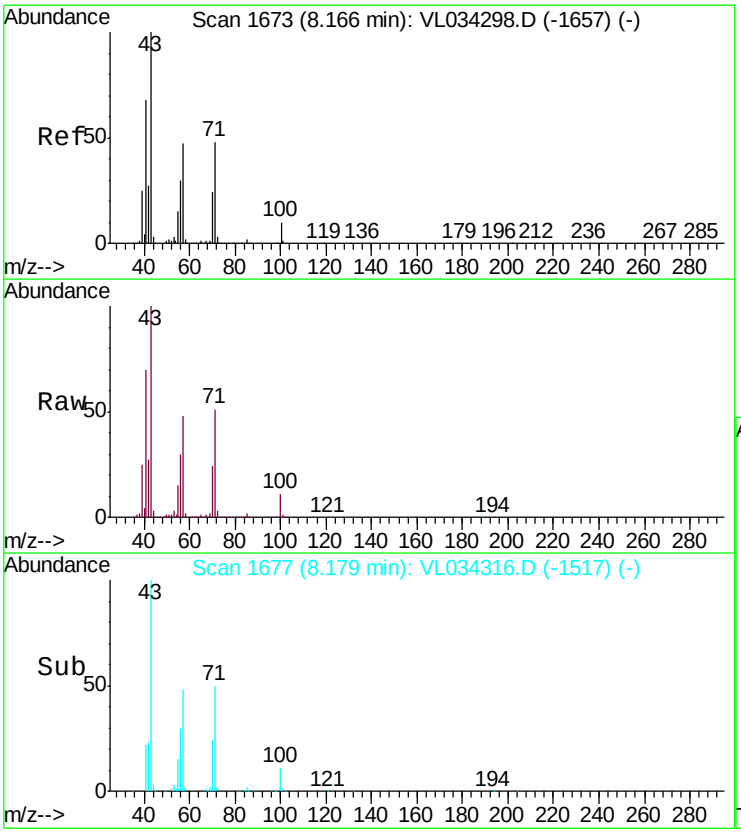
#9
Propene
Concen: 10.262 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 576403

Ion	Ratio	Lower	Upper
41	100		
42	69.9	53.9	80.9

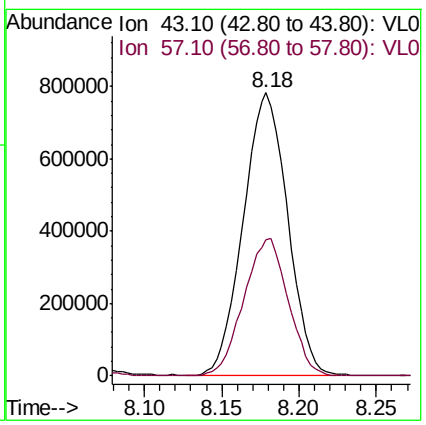


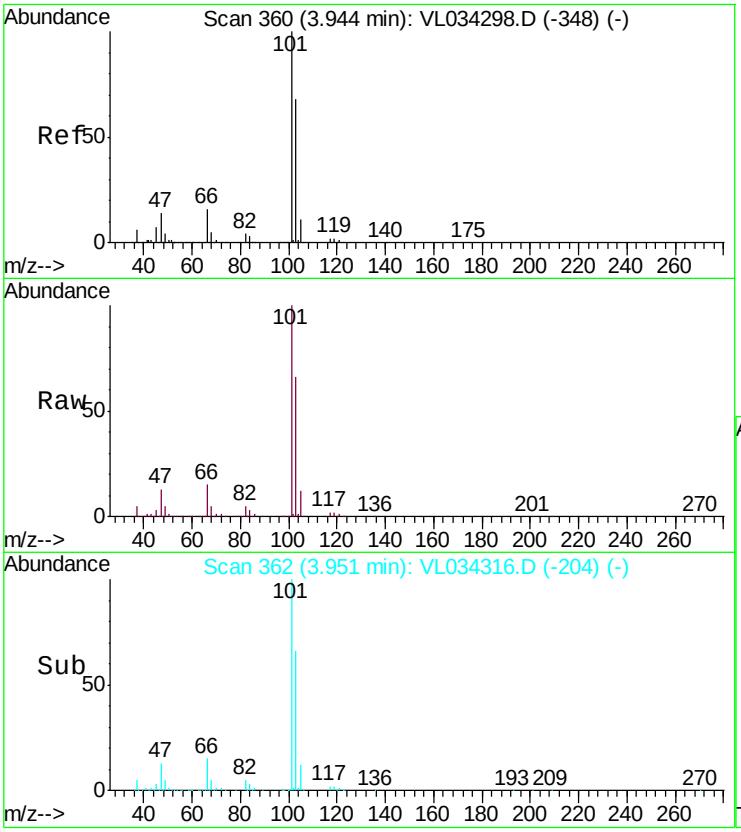


#10
Heptane
Concen: 10.815 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 43 Resp: 1559172

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.5	59.3



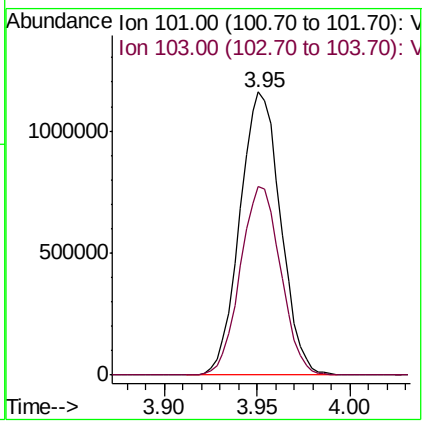


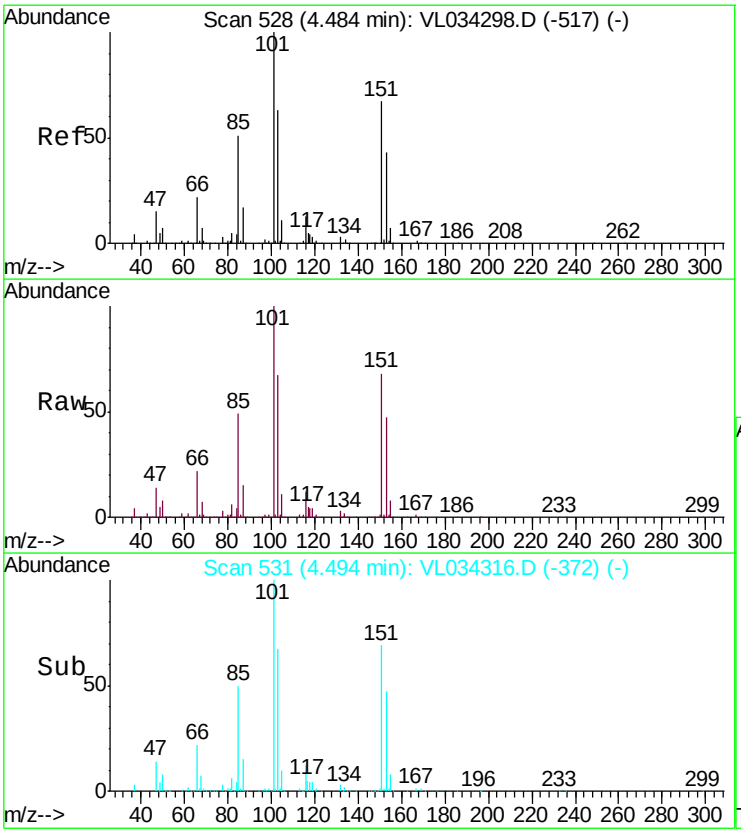
#11
Trichlorofluoromethane
Concen: 9.971 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1764391

Ion	Ratio	Lower	Upper
101	100		
103	66.4	54.5	81.7

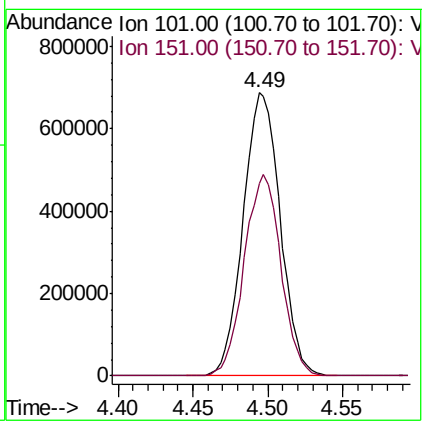


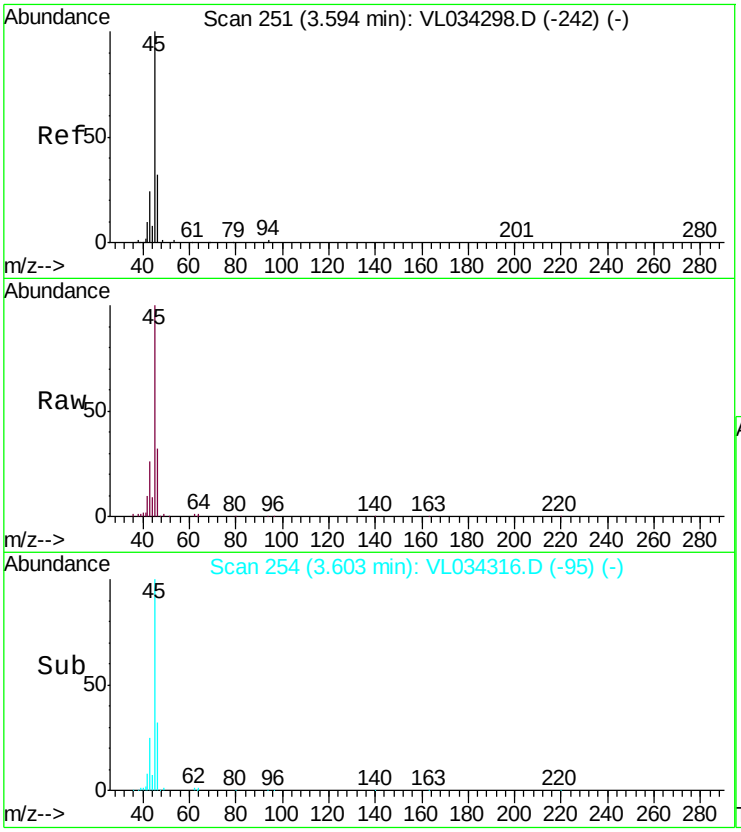


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.215 ppbv
RT: 4.49 min Scan# 531
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:101 Resp: 1184112

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.4	86.2



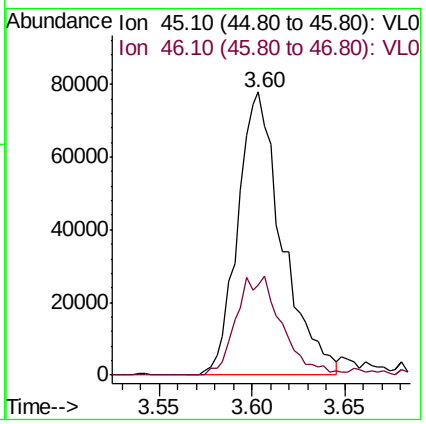


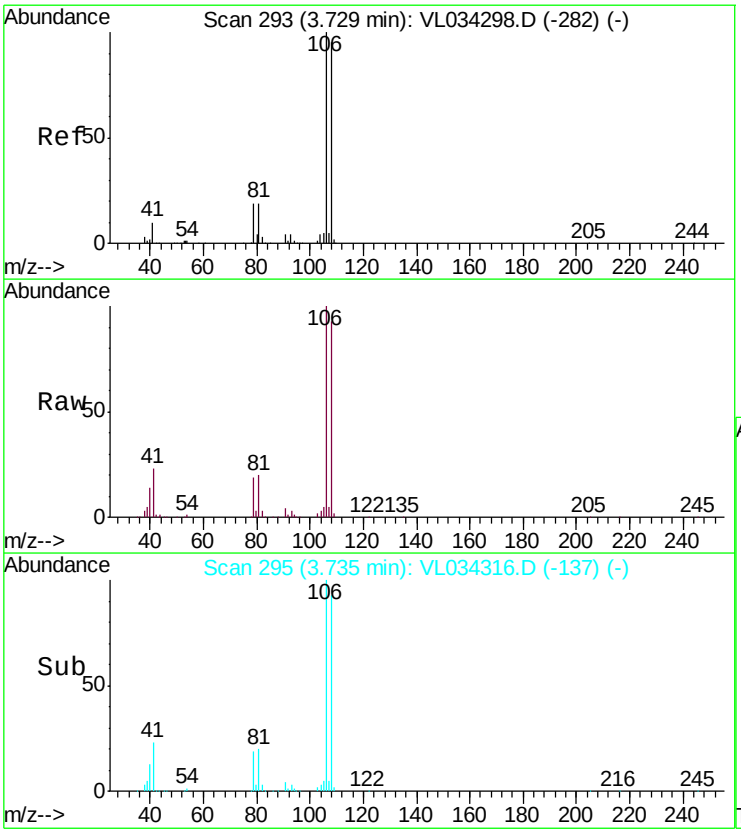
#13
Ethanol
Concen: 10.299 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 129524

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.8	63.2

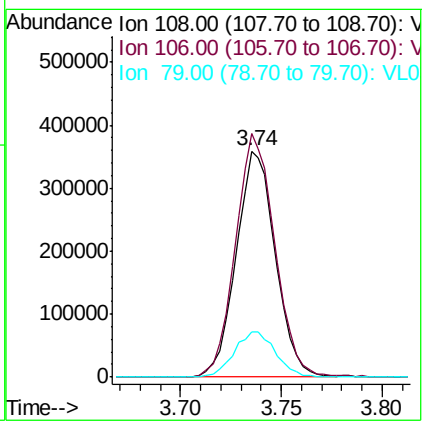


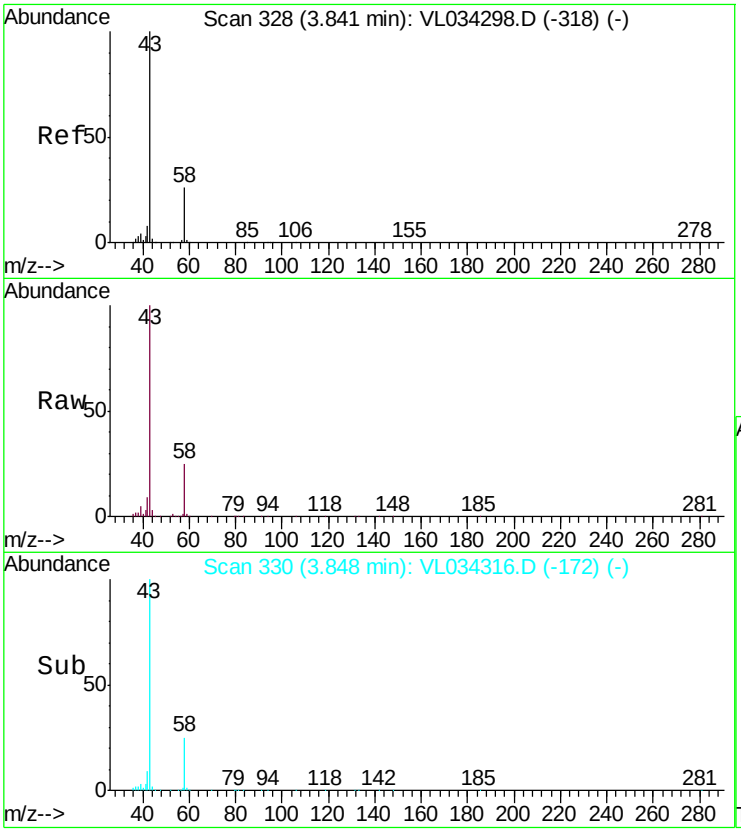


#14
Bromoethene
Concen: 10.717 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:108 Resp: 489143

Ion	Ratio	Lower	Upper
108	100		
106	108.7	84.8	127.2
79	21.4	17.0	25.4



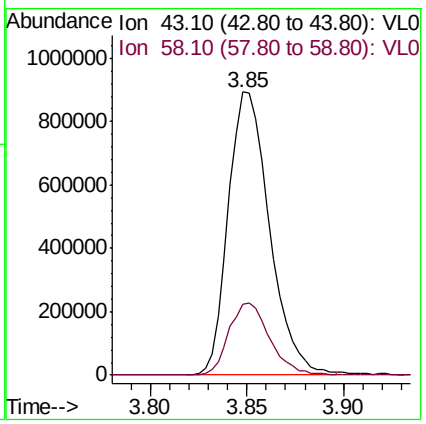


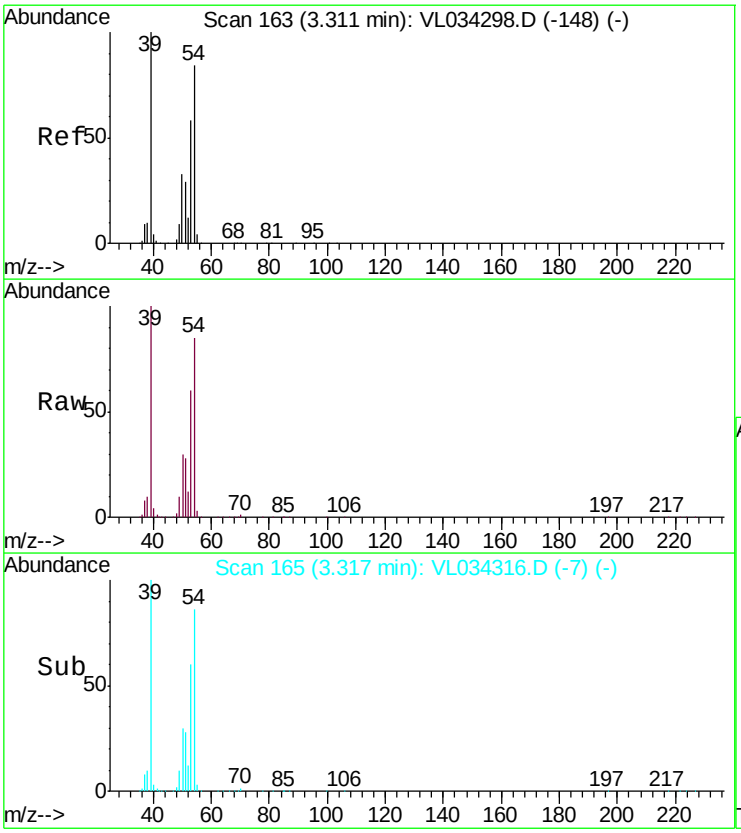
#15
Acetone
Concen: 8.594 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1328807

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.4	30.6

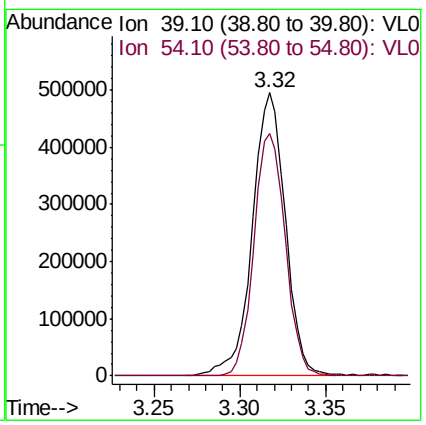


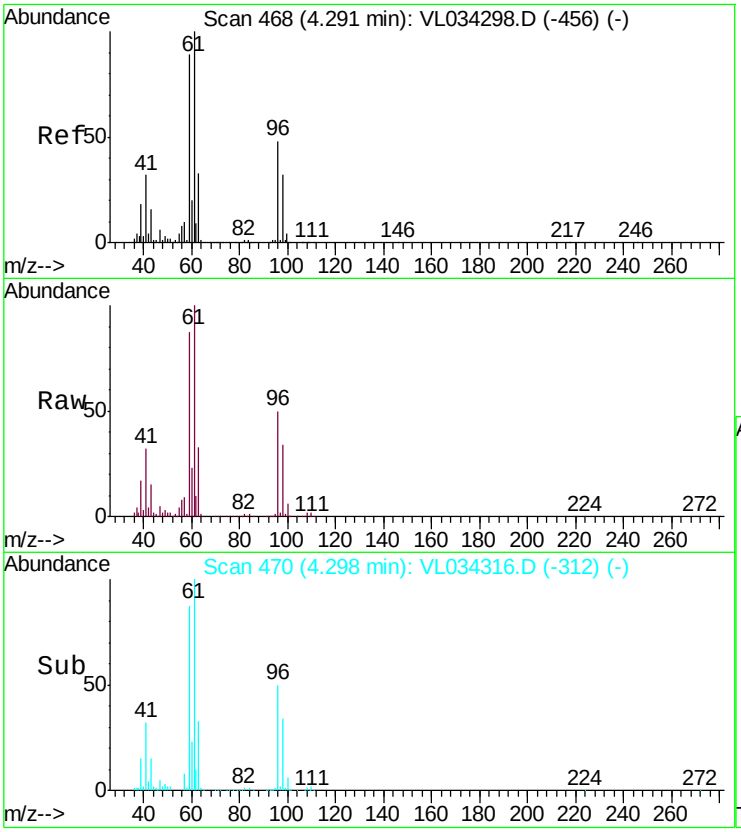


#16
1,3-Butadiene
Concen: 10.481 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 39 Resp: 658505

Ion	Ratio	Lower	Upper
39	100		
54	81.7	63.9	95.9



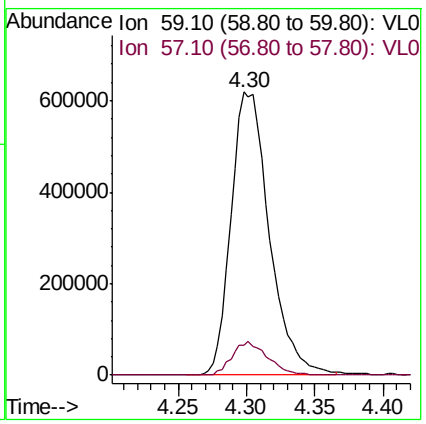


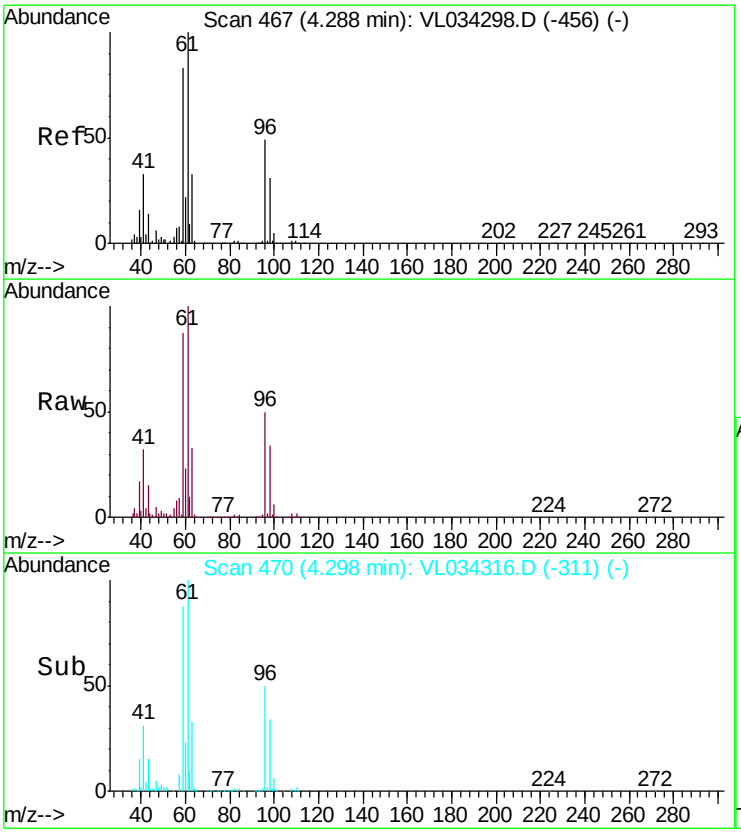
#17
tert-Butyl alcohol
Concen: 12.226 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1206536

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

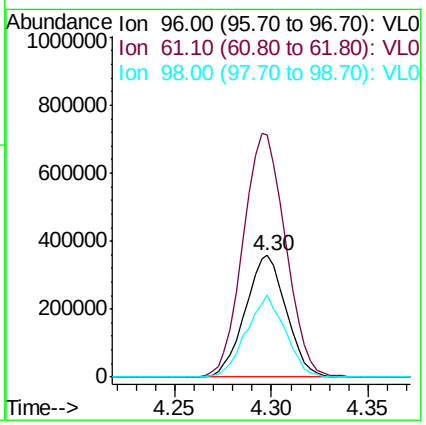


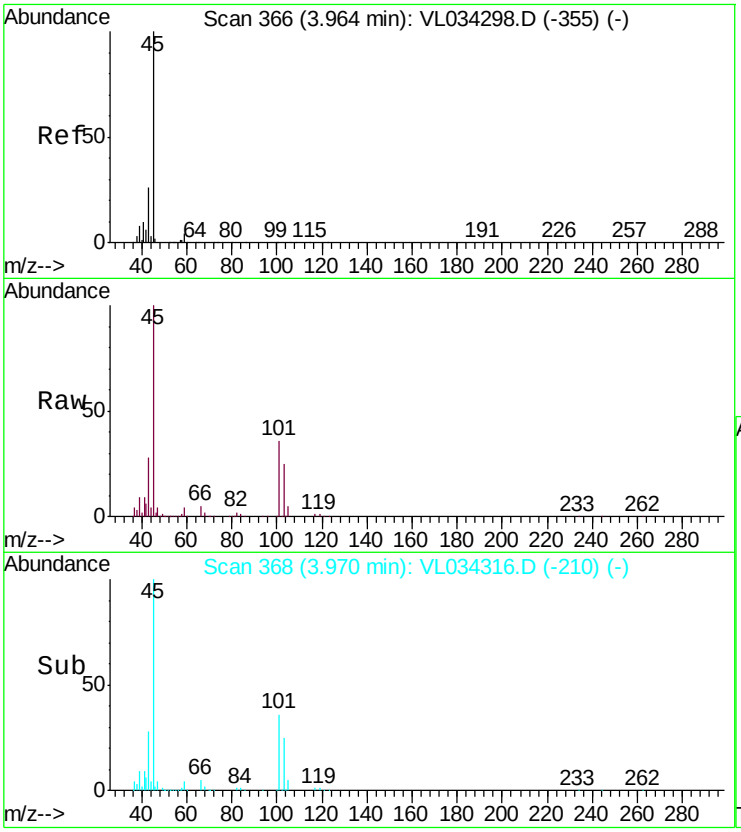


#18
1,1-Dichloroethene
Concen: 10.397 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 96 Resp: 527704

Ion	Ratio	Lower	Upper
96	100		
61	198.3	164.5	246.7
98	67.3	51.7	77.5



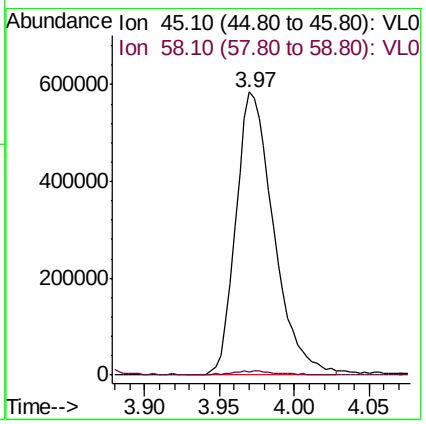


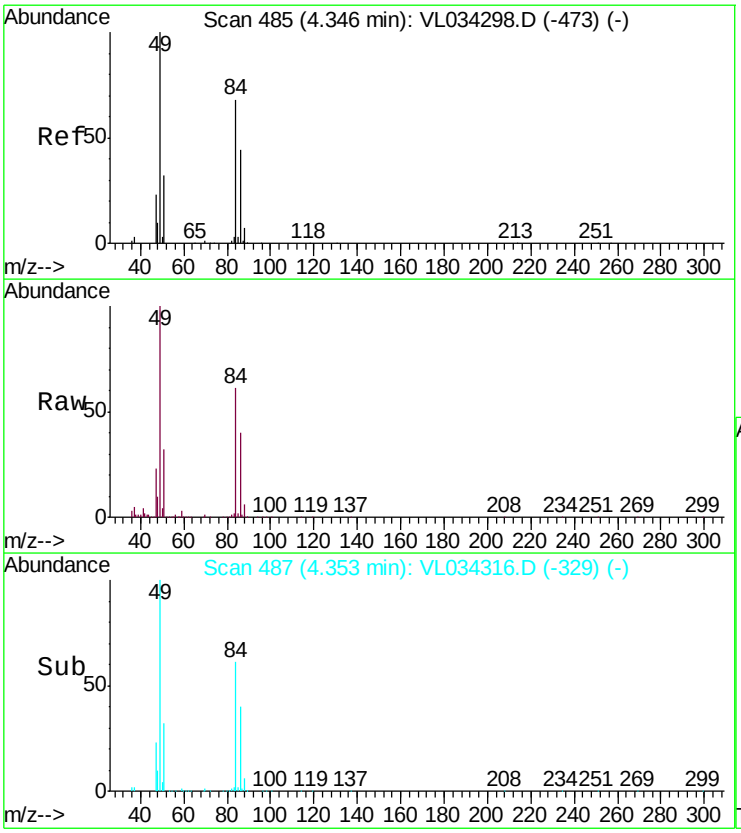
#19
Isopropyl Alcohol
Concen: 11.923 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1028455

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.4	2.2#

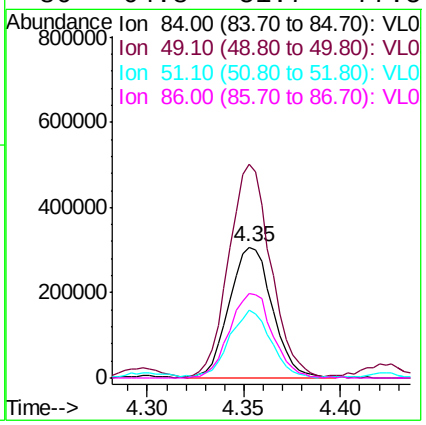


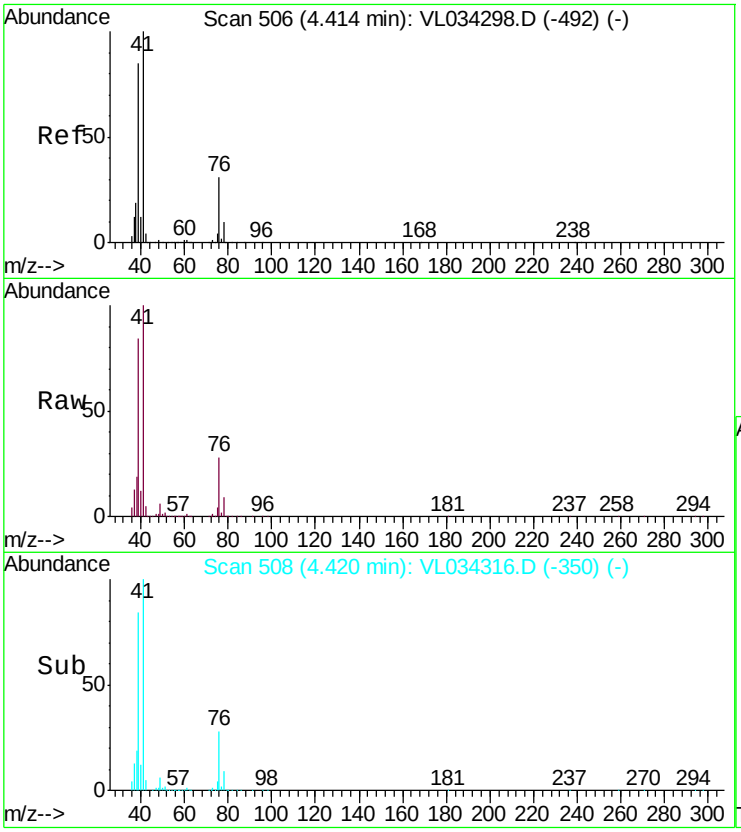


#20
Methylene Chloride
Concen: 8.495 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 84 Resp: 474892

Ion	Ratio	Lower	Upper
84	100		
49	162.5	118.5	177.7
51	51.2	38.8	58.2
86	64.8	51.7	77.5



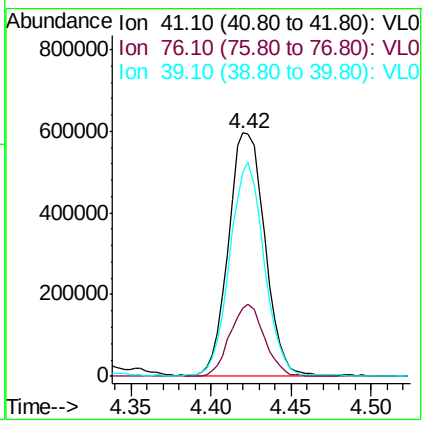


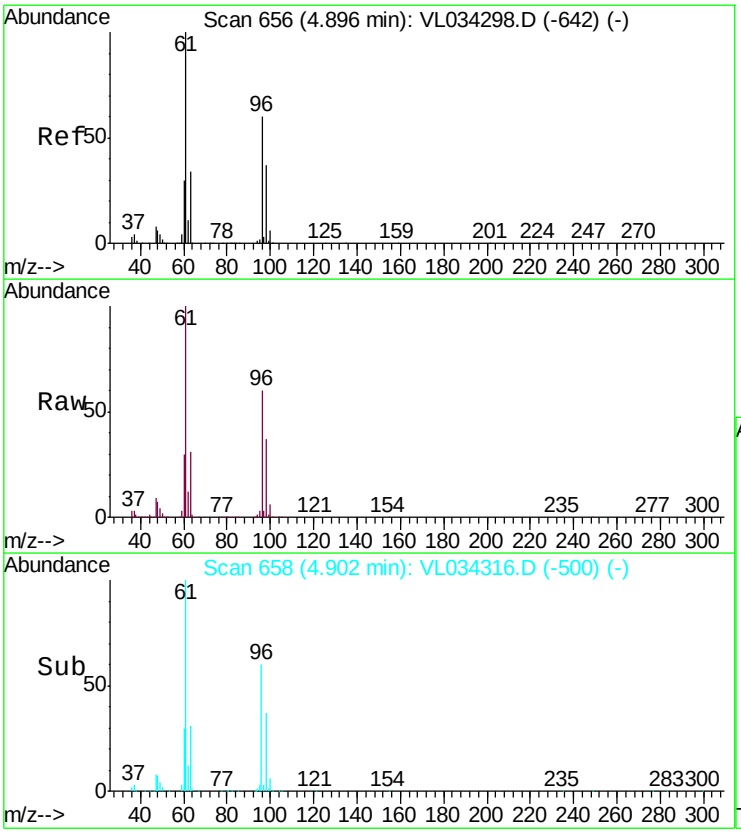
#21
Allyl Chloride
Concen: 10.757 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 919522

Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.8	34.2
39	83.2	66.0	99.0

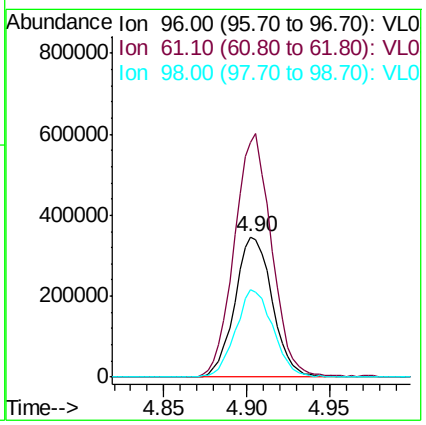


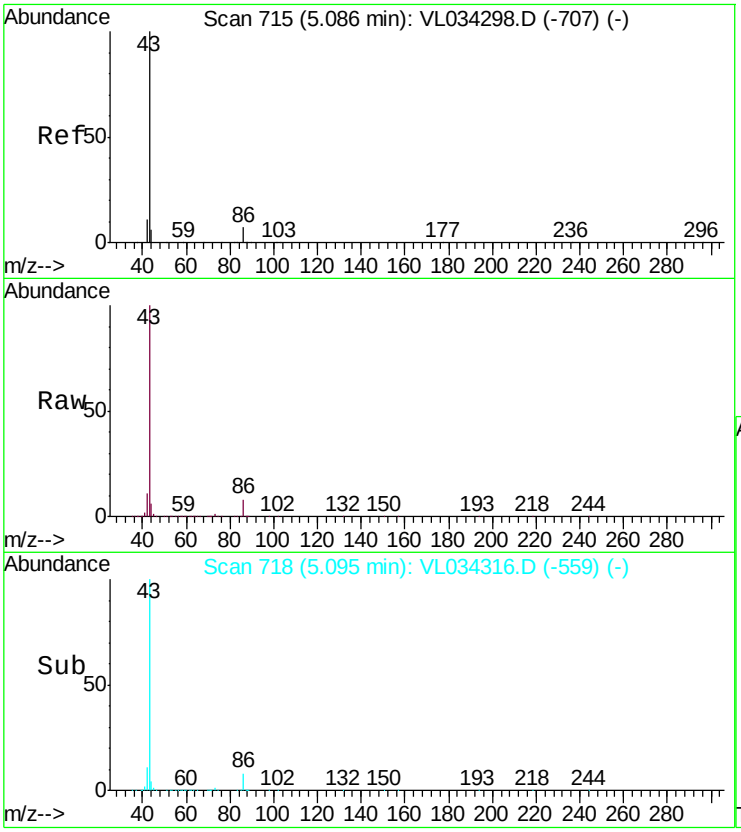


#22
trans-1,2-Dichloroethene
Concen: 10.755 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 96 Resp: 544518

Ion	Ratio	Lower	Upper
96	100		
61	166.7	133.8	200.6
98	62.2	49.4	74.0



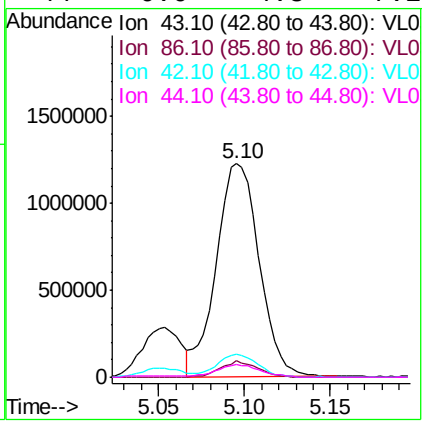


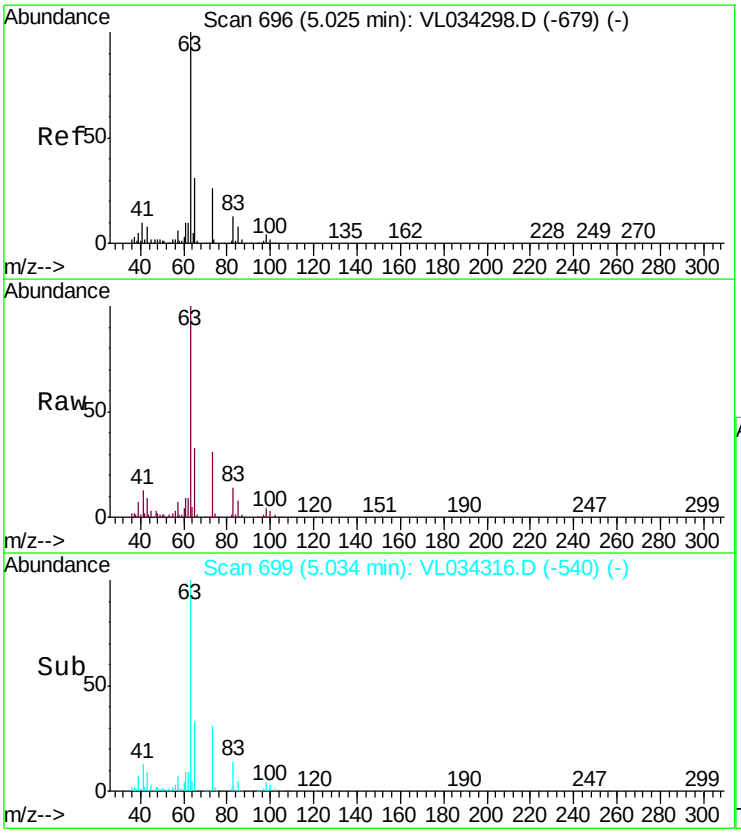
#23
Vinyl Acetate
Concen: 11.043 ppbv
RT: 5.10 min Scan# 718
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2132458

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.0	7.4#
42	10.4	8.6	13.0
44	6.0	4.8	7.2

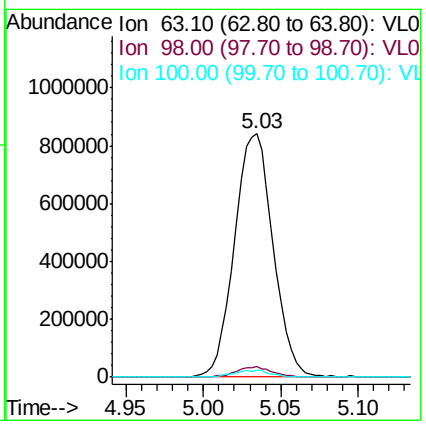


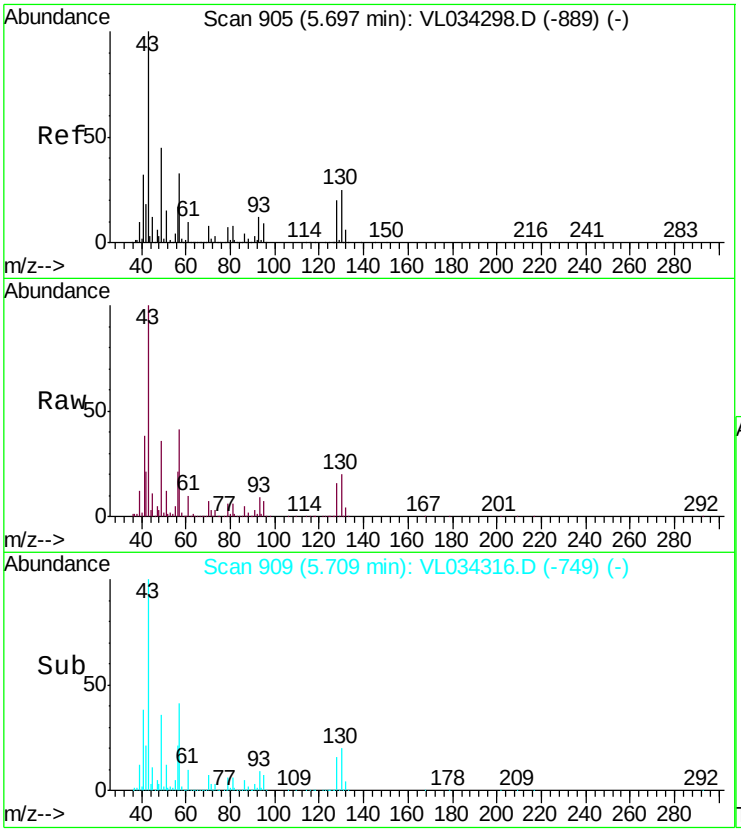


#24
1,1-Dichloroethane
Concen: 10.139 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 63 Resp: 1453106

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	6.0
100	2.6	1.1	3.5



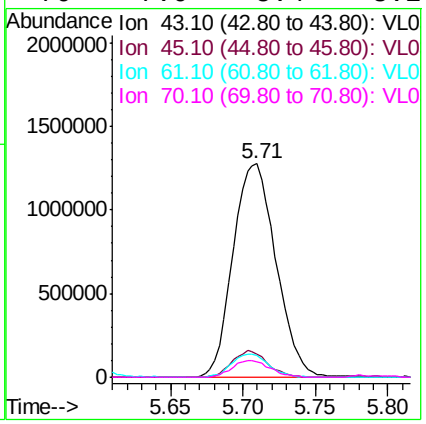


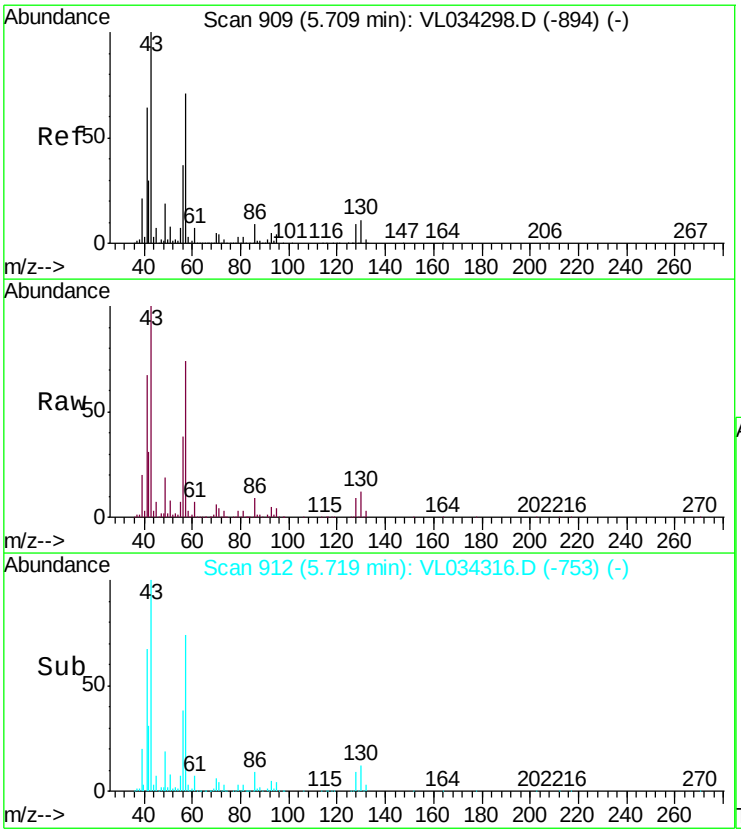
#25
Ethyl Acetate
Concen: 10.041 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2621158

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.7	7.7	11.5
70	7.0	5.4	8.2

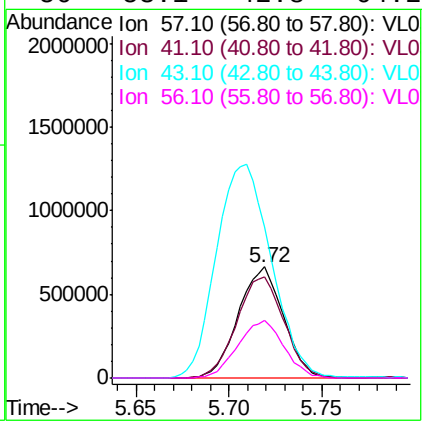


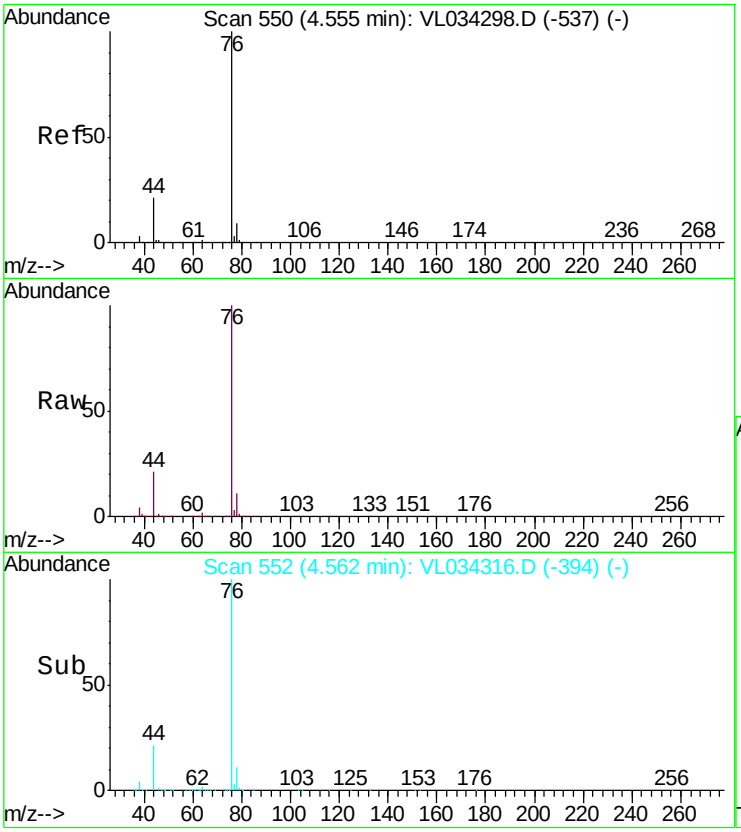


#26
Hexane
Concen: 10.006 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 57 Resp: 1113378

Ion	Ratio	Lower	Upper
57	100		
41	95.8	76.5	114.7
43	237.4	188.5	282.7
56	53.1	42.8	64.2



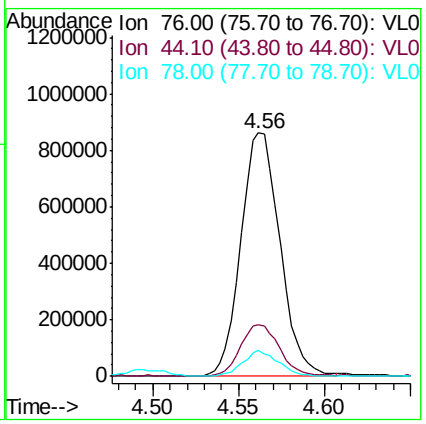


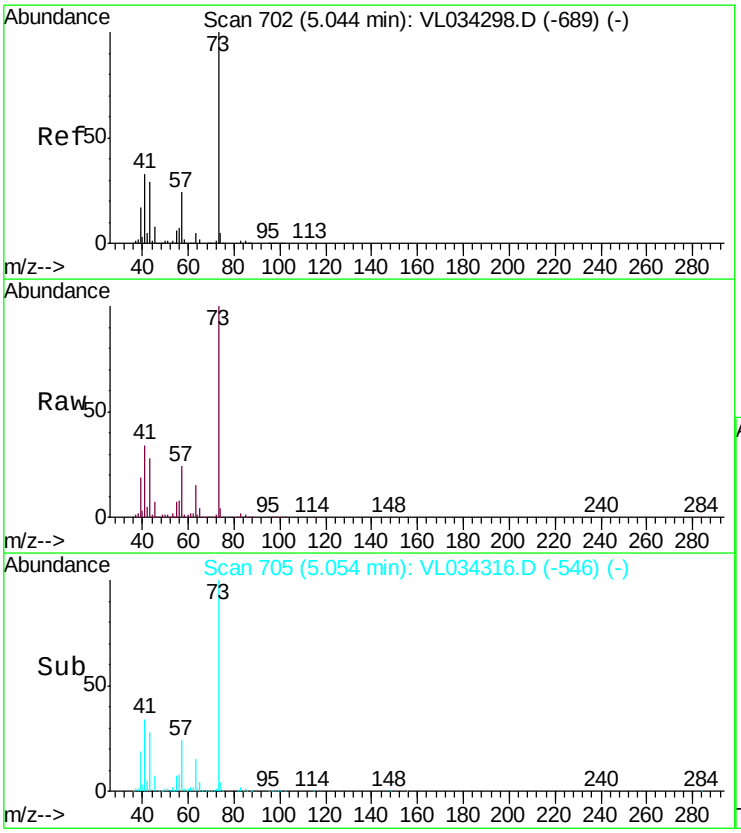
#27
Carbon Disulfide
Concen: 11.774 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1360068

Ion	Ratio	Lower	Upper
76	100		
44	21.2	17.3	25.9
78	9.5	7.8	11.6

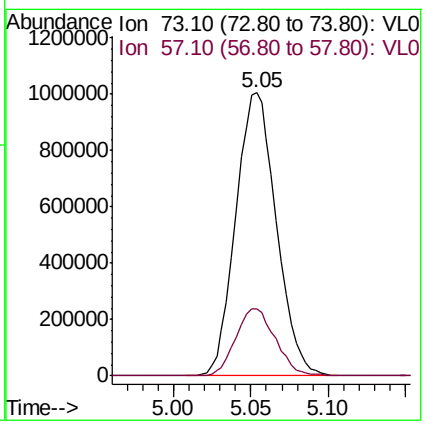


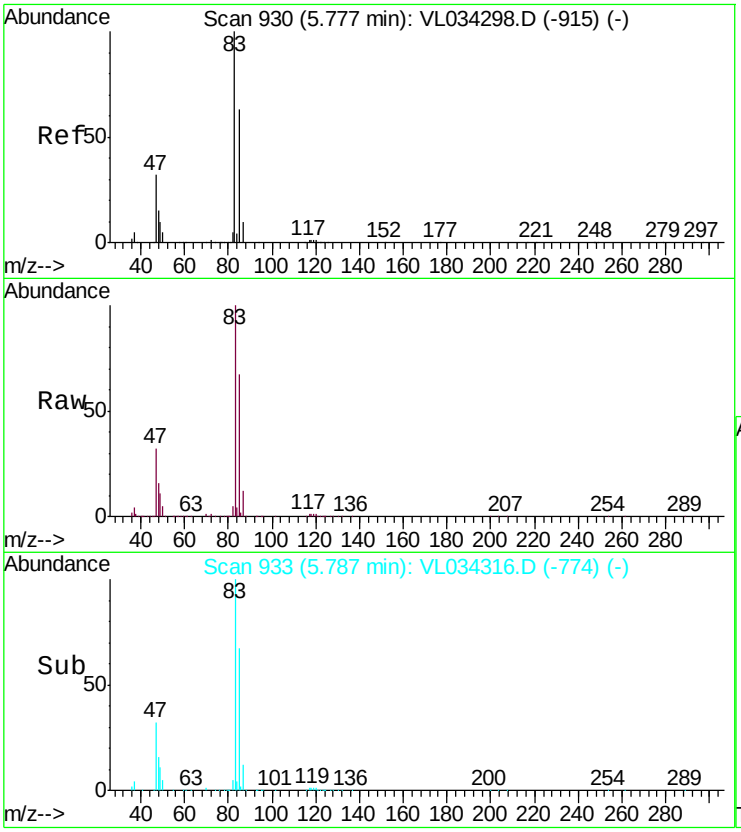


#28
Methyl tert-Butyl Ether
Concen: 10.875 ppbv
RT: 5.05 min Scan# 705
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 73 Resp: 1831314

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.2	28.8



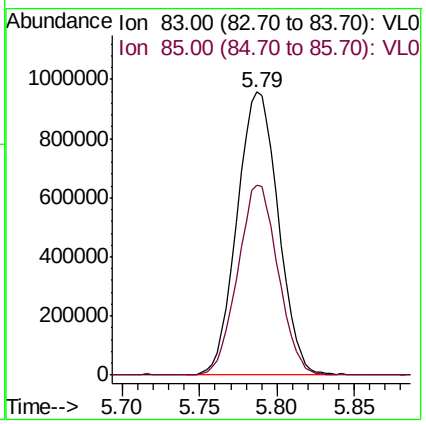


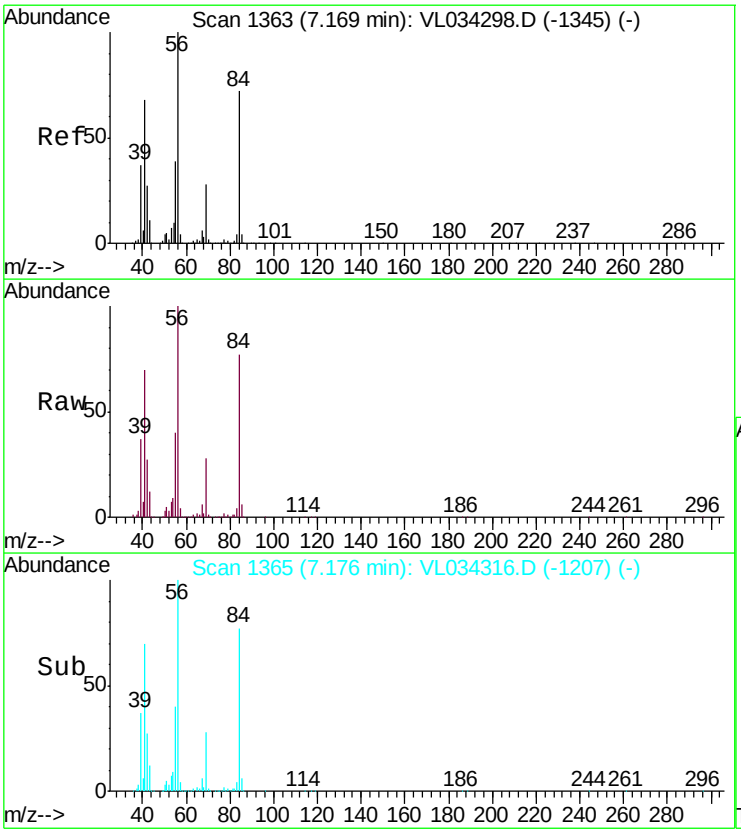
#29
Chloroform
Concen: 10.093 ppbv
RT: 5.79 min Scan# 933
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1776539

Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.5	75.7

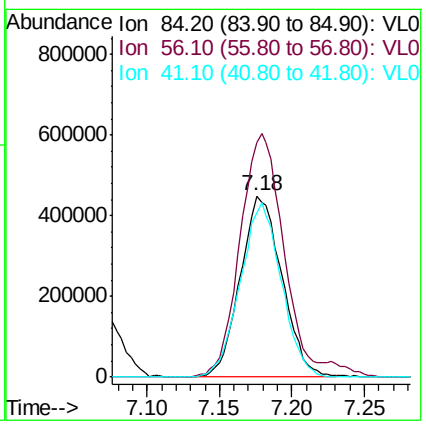


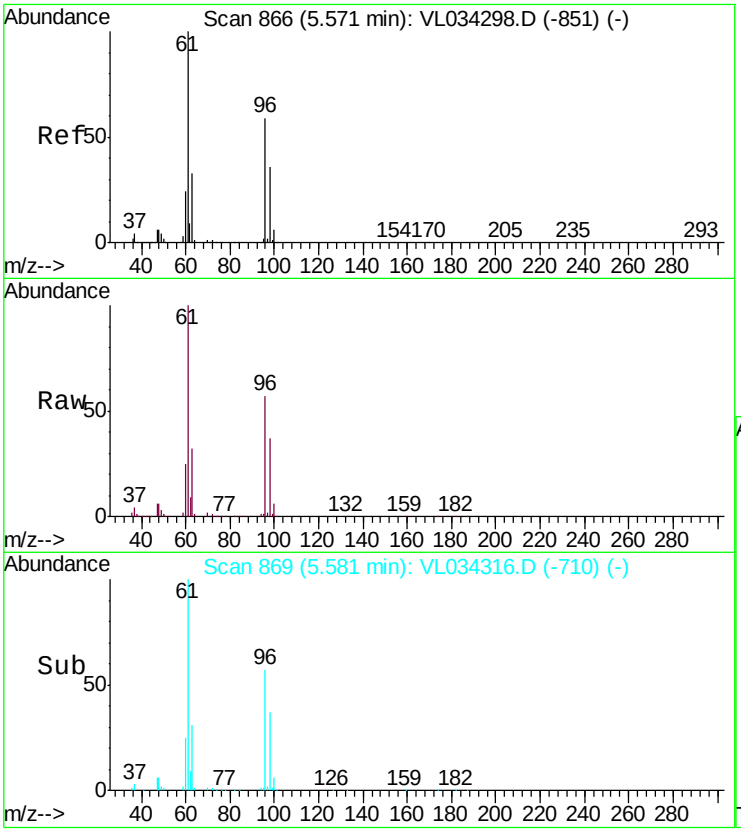


#30
Cyclohexane
Concen: 10.944 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 84 Resp: 895553

Ion	Ratio	Lower	Upper
84	100		
56	144.4	119.4	179.0
41	94.6	78.7	118.1



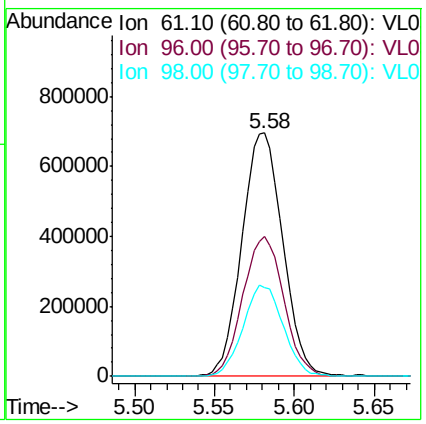


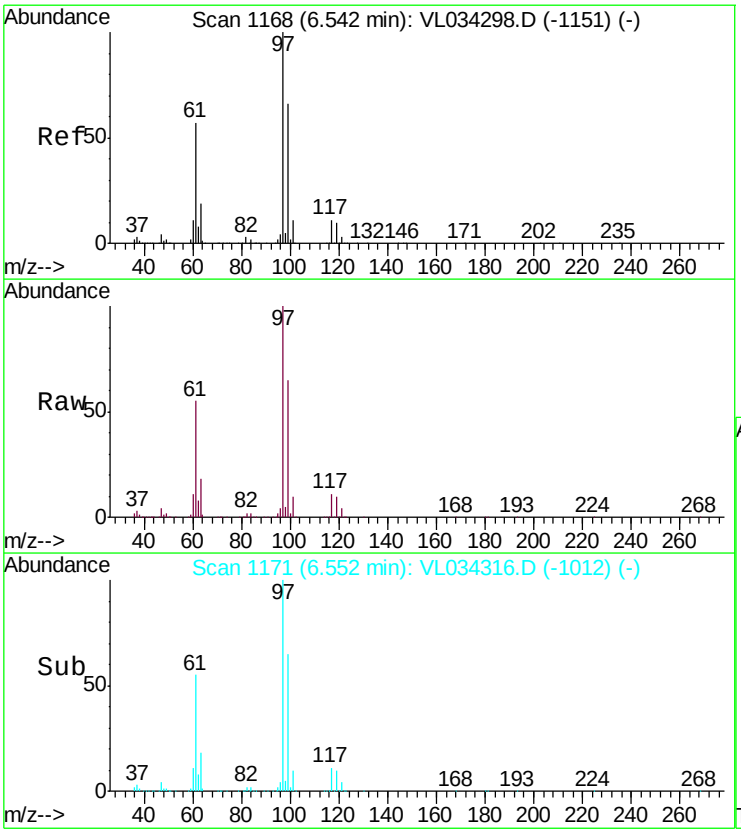
#31
cis-1,2-Dichloroethene
Concen: 10.756 ppbv
RT: 5.58 min Scan# 869
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1214673

Ion	Ratio	Lower	Upper
61	100		
96	57.3	47.5	71.3
98	36.7	28.8	43.2

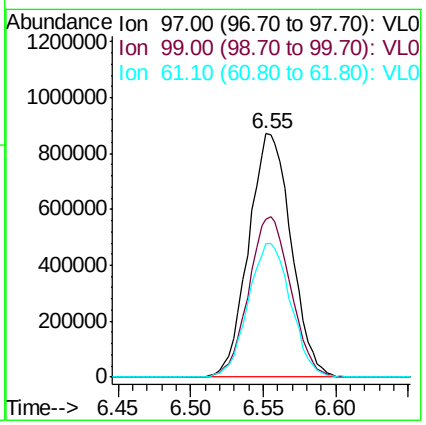


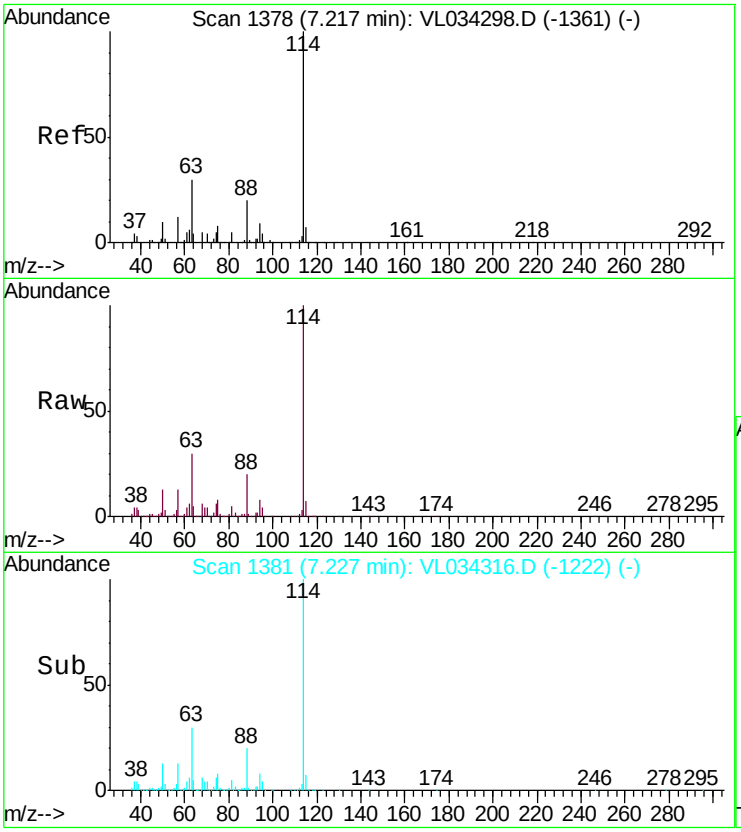


#32
1,1,1-Trichloroethane
Concen: 10.374 ppbv
RT: 6.55 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 97 Resp: 1775574

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.6	78.8
61	55.4	44.5	66.7



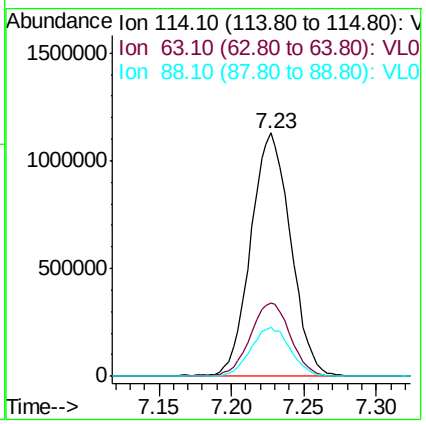


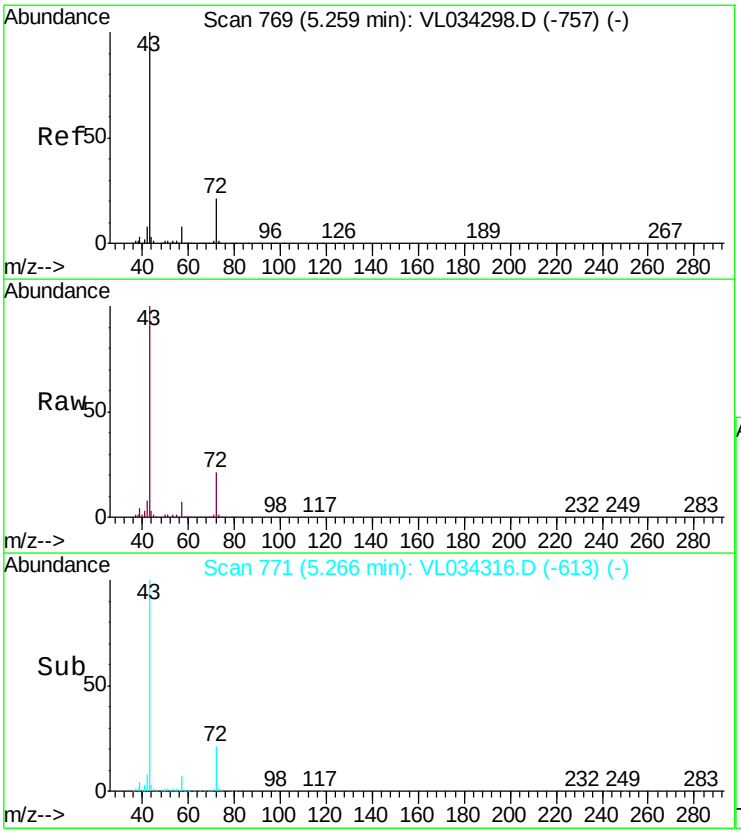
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2158773

Ion	Ratio	Lower	Upper
114	100		
63	30.8	25.2	37.8
88	19.9	16.0	24.0

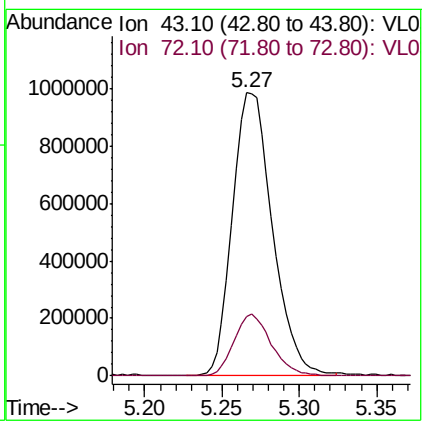


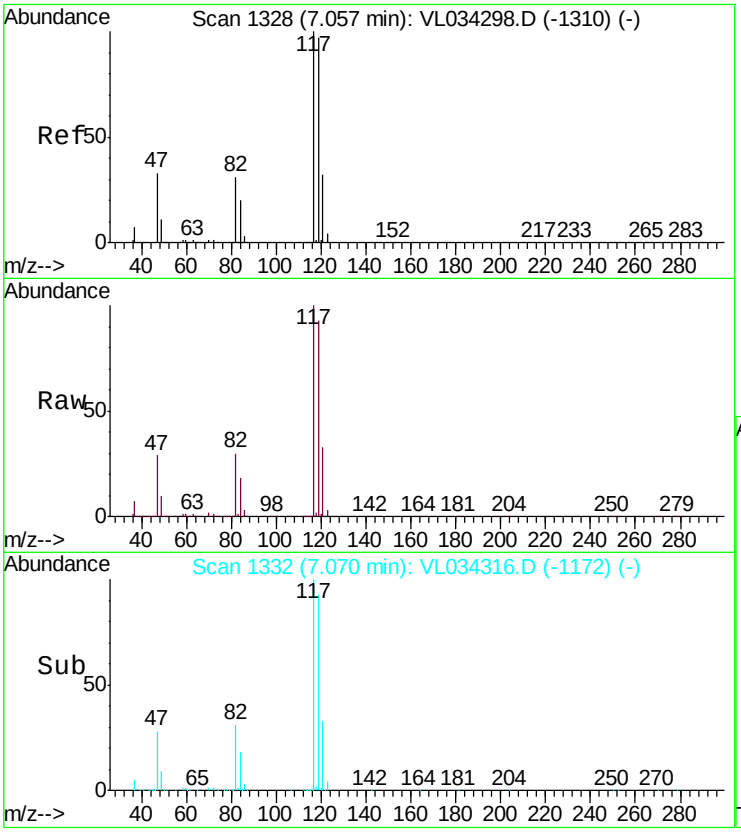


#34
2-Butanone
Concen: 10.015 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 43 Resp: 1767144

Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.3	24.5



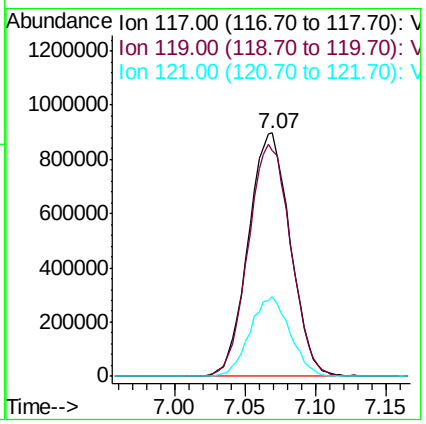


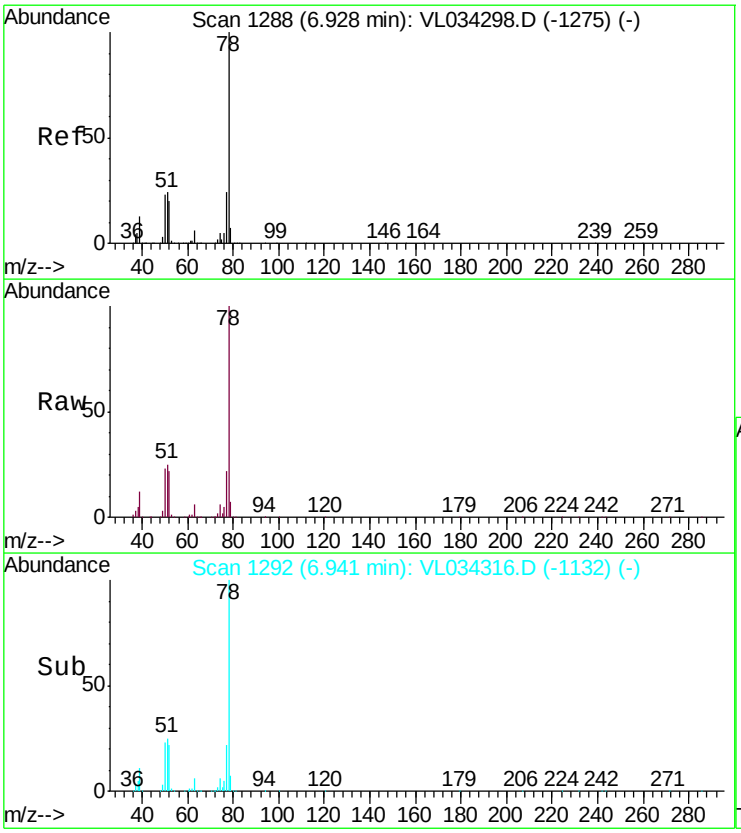
#35
Carbon Tetrachloride
Concen: 9.902 ppbv
RT: 7.07 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1861949

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.3	115.9
121	33.0	25.5	38.3

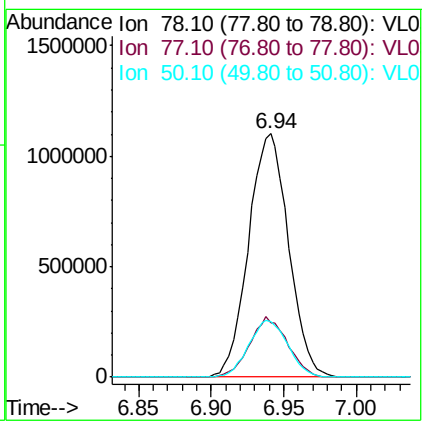


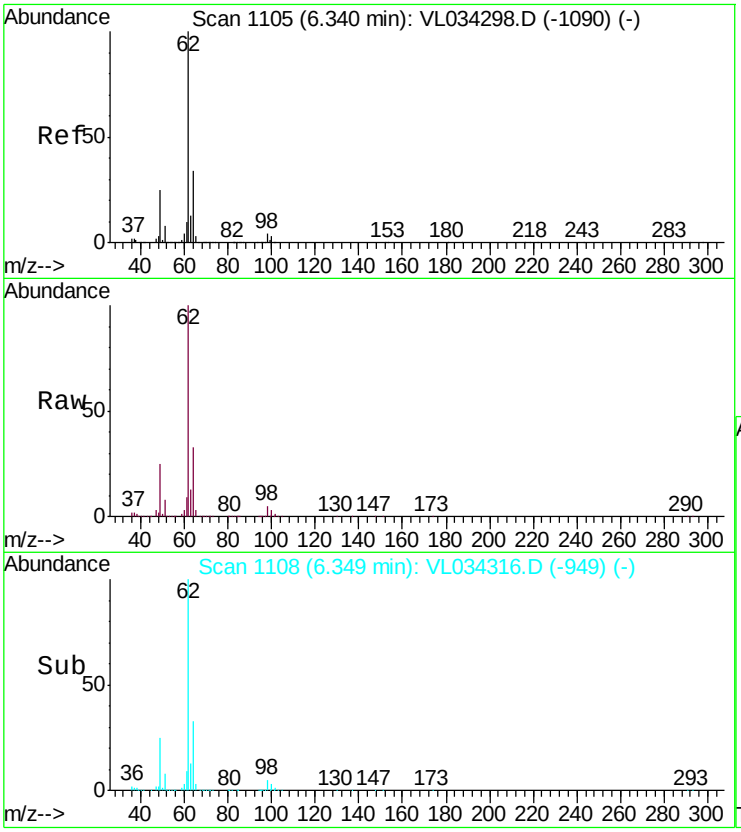


#36
Benzene
Concen: 10.213 ppbv
RT: 6.94 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 78 Resp: 2115376

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4
50	22.6	18.6	27.8



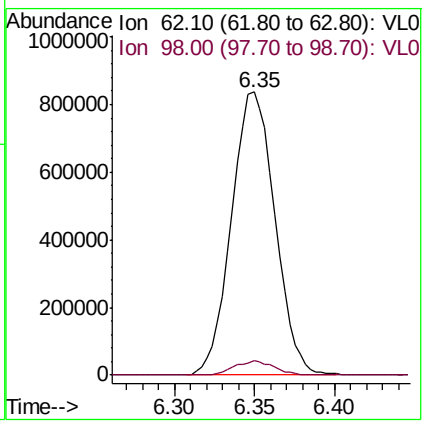


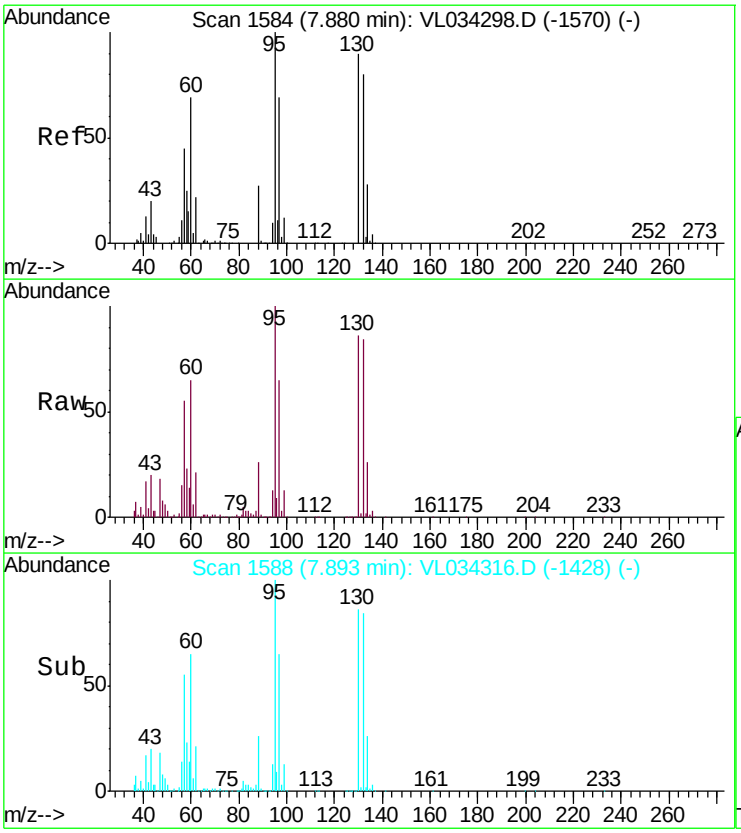
#37
1,2-Dichloroethane
Concen: 9.988 ppbv
RT: 6.35 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1541768

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.6

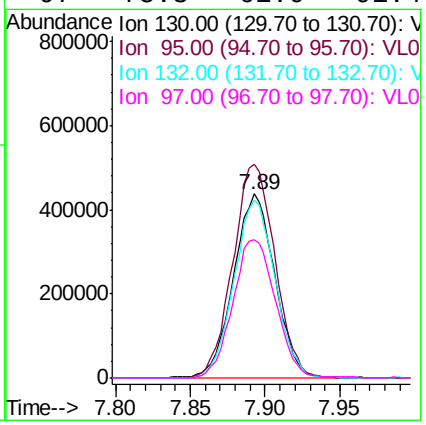


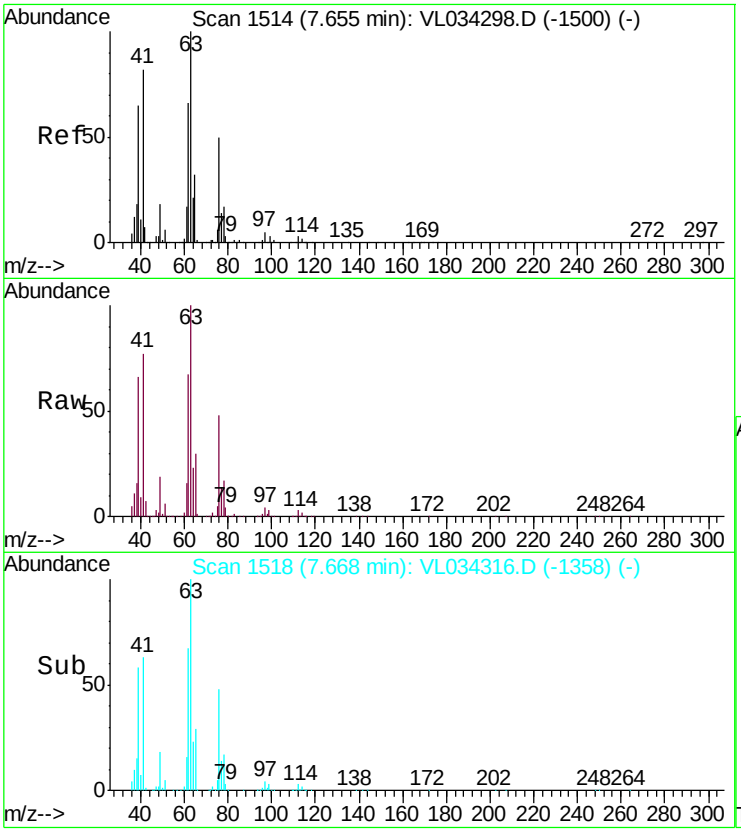


#38
Trichloroethene
Concen: 10.038 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:130 Resp: 834328

Ion	Ratio	Lower	Upper
130	100		
95	116.1	88.6	132.8
132	97.2	71.2	106.8
97	75.3	61.0	91.4



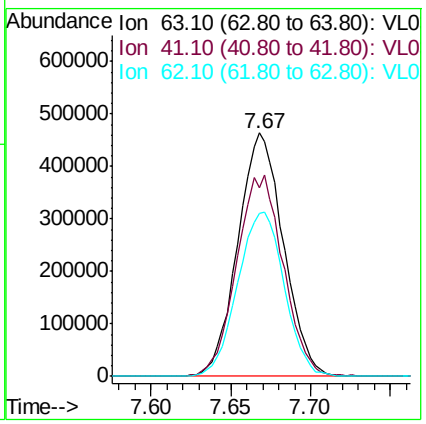


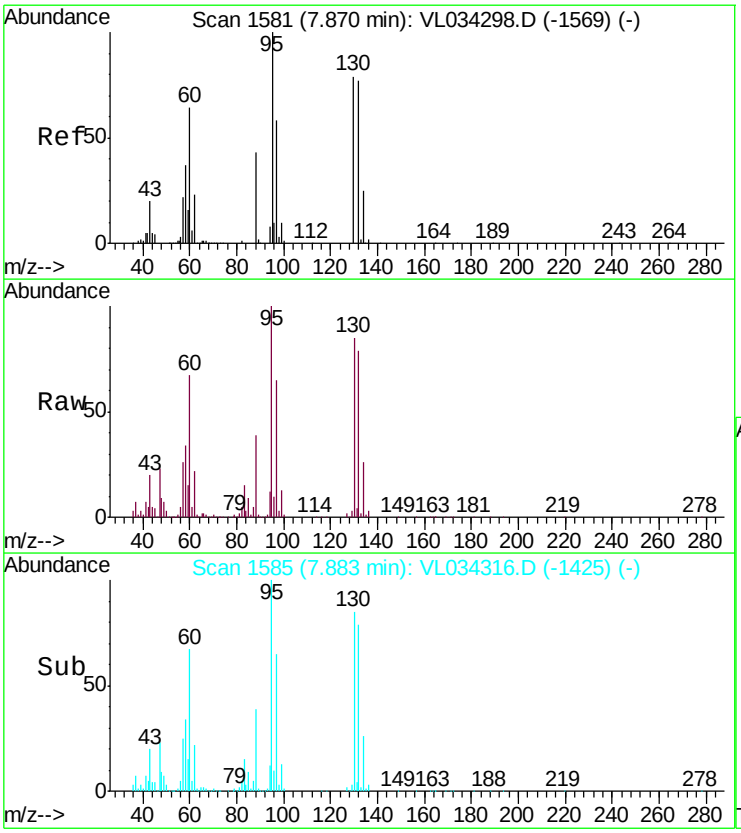
#39
1,2-Dichloropropane
Concen: 10.111 ppbv
RT: 7.67 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 901764

Ion	Ratio	Lower	Upper
63	100		
41	77.0	65.6	98.4
62	66.5	53.0	79.6

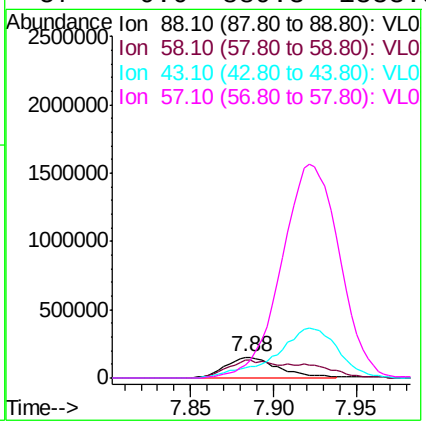


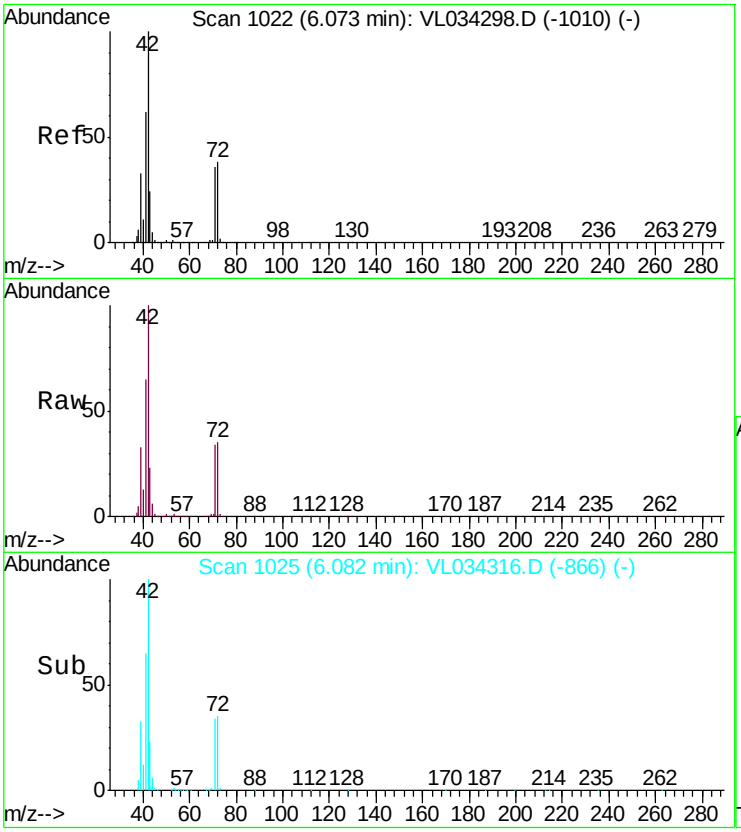


#40
1,4-Dioxane
Concen: 10.563 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 88 Resp: 331073

Ion	Ratio	Lower	Upper
88	100		
58	142.0	110.3	165.5
43	0.0	228.1	342.1#
57	0.0	889.3	1333.9#



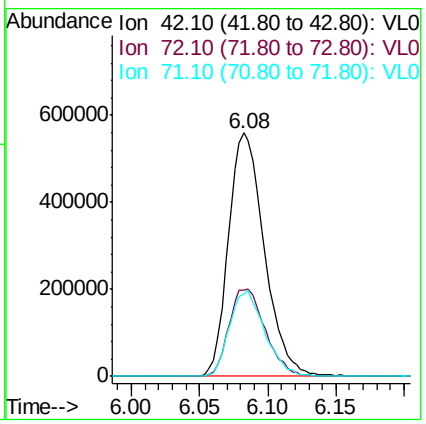


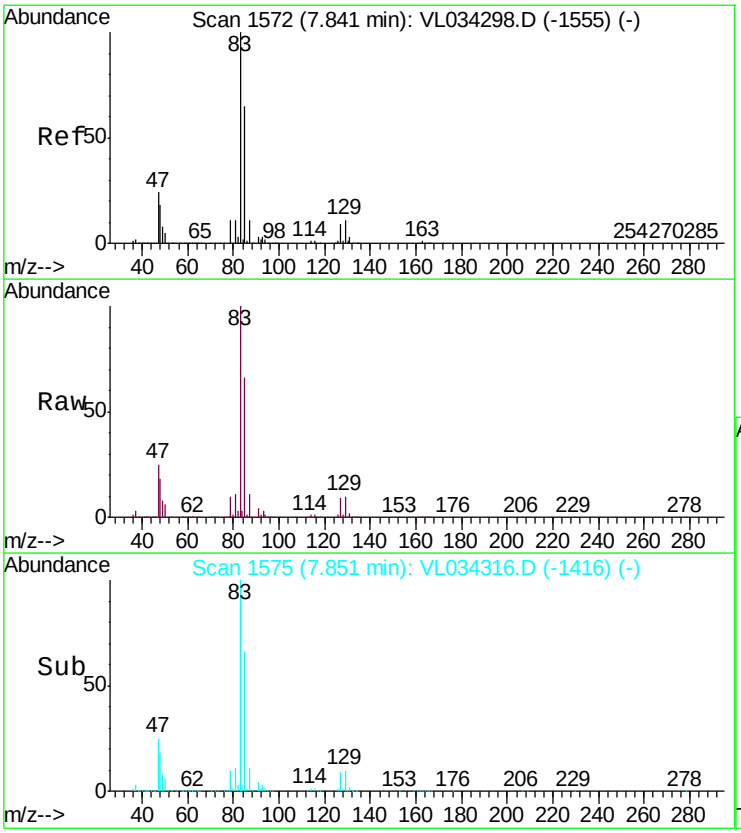
#41
Tetrahydrofuran
Concen: 10.420 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1020409

Ion	Ratio	Lower	Upper
42	100		
72	36.8	28.0	42.0
71	34.8	27.3	40.9

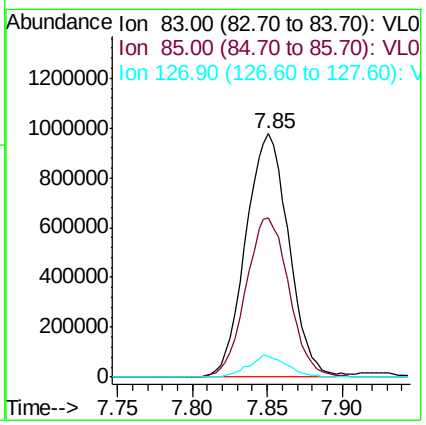


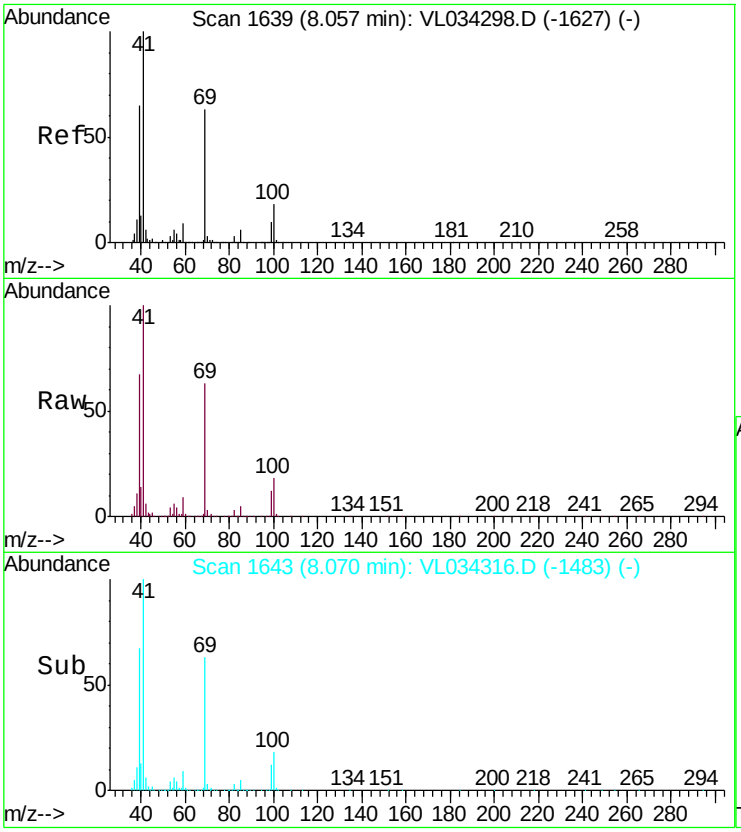


#42
Bromodichloromethane
Concen: 10.325 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 83 Resp: 1952115

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.8	7.0	10.6



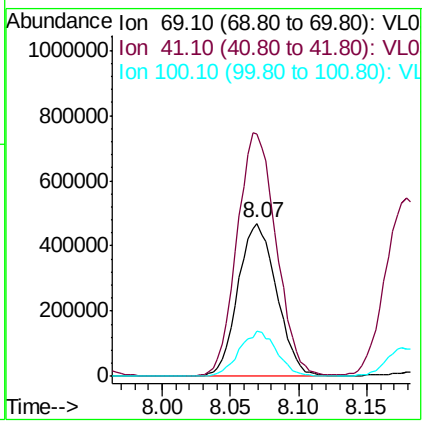


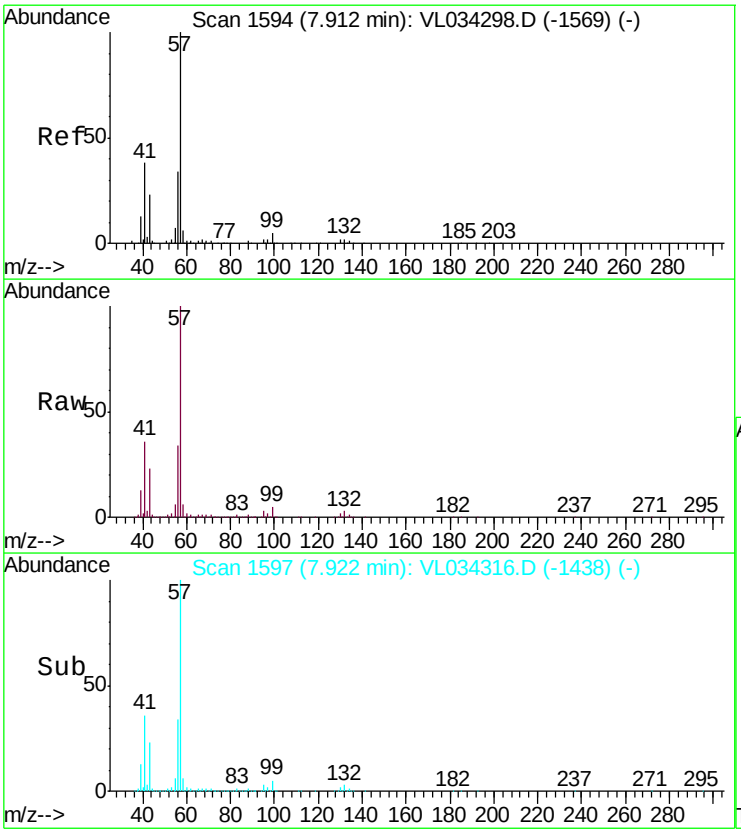
#43
Methyl Methacrylate
Concen: 10.801 ppbv
RT: 8.07 min Scan# 1643
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 925322

Ion	Ratio	Lower	Upper
69	100		
41	161.4	132.1	198.1
100	28.8	23.2	34.8

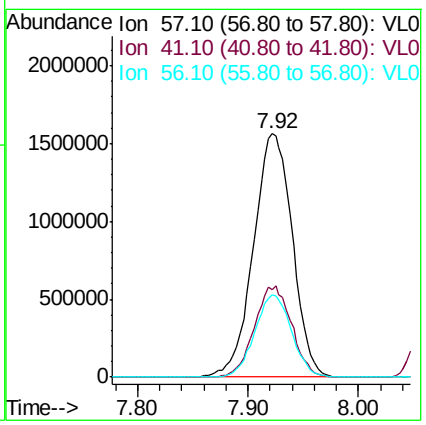


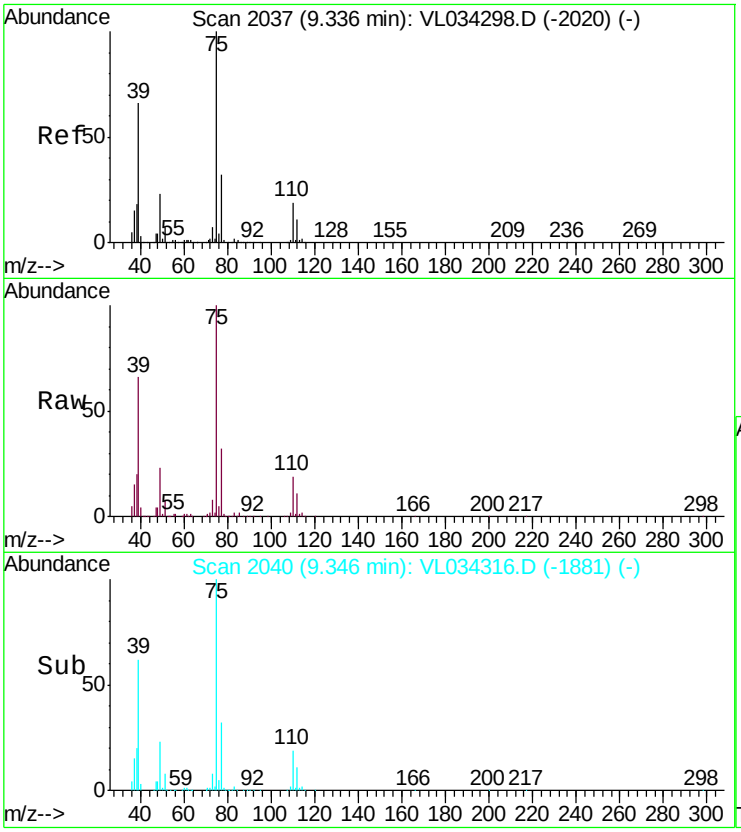


#44
2,2,4-Trimethylpentane
Concen: 9.955 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 57 Resp: 3816290

Ion	Ratio	Lower	Upper
57	100		
41	35.8	29.3	43.9
56	31.9	25.3	37.9



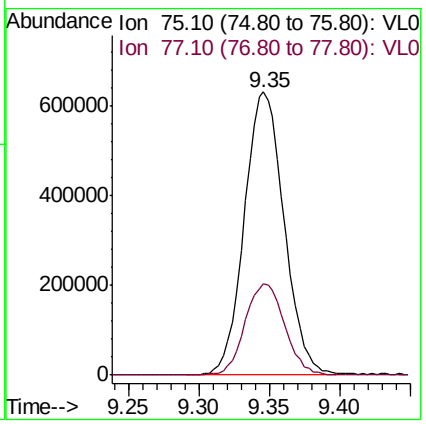


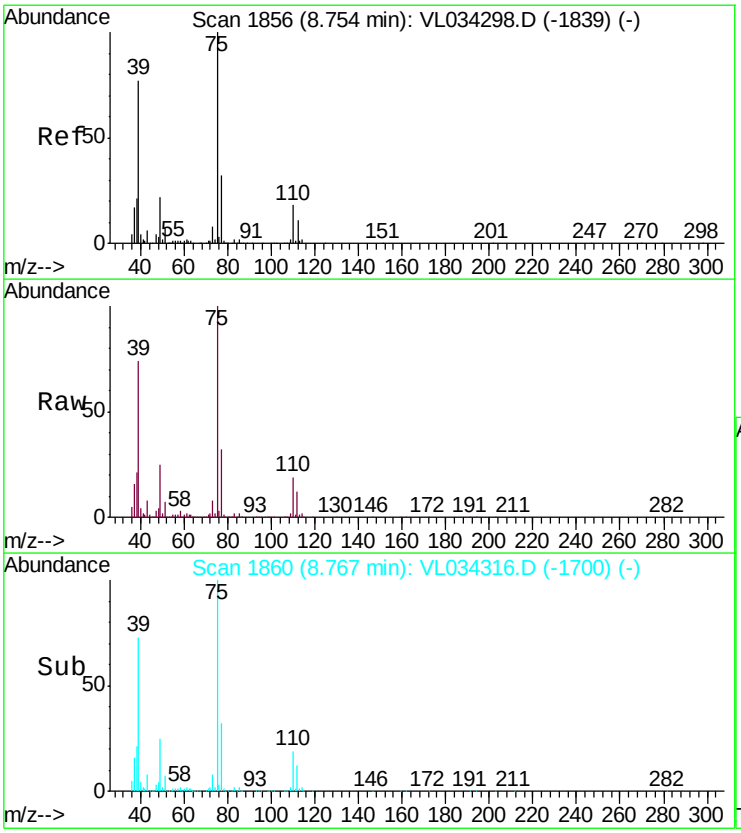
#45
t-1,3-Dichloropropene
Concen: 11.917 ppbv
RT: 9.35 min Scan# 2040
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1243843

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4

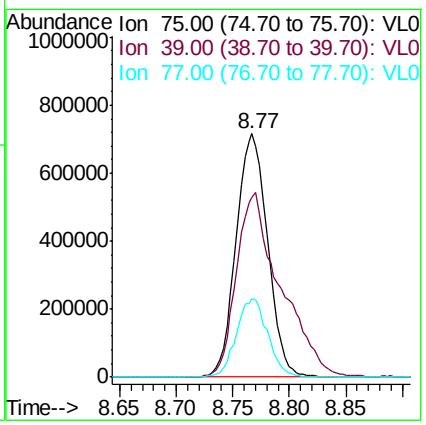


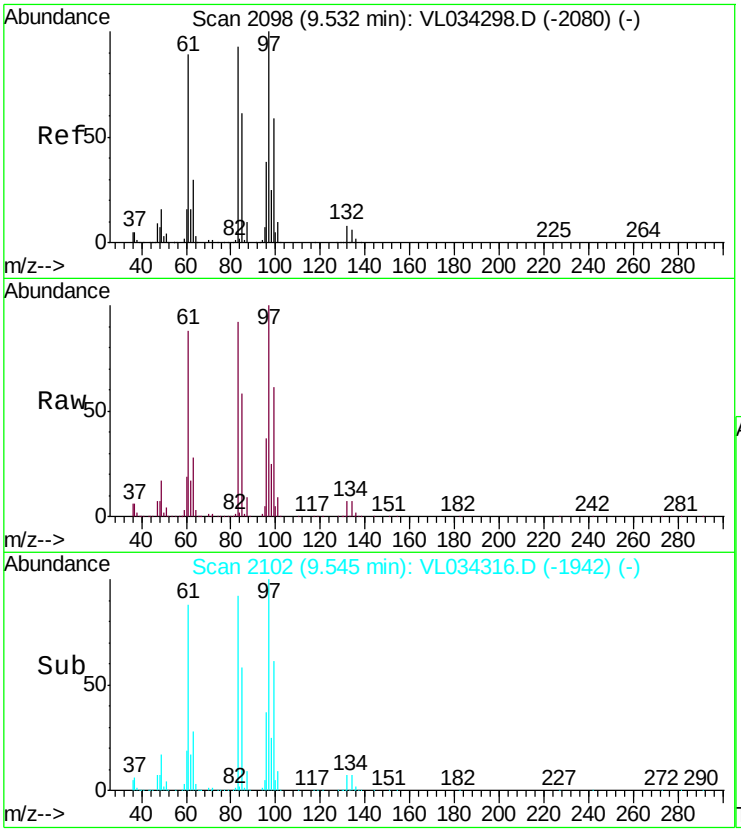


#46
cis-1,3-Dichloropropene
Concen: 11.602 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 75 Resp: 1391239

Ion	Ratio	Lower	Upper
75	100		
39	73.6	61.2	91.8
77	32.2	25.9	38.9



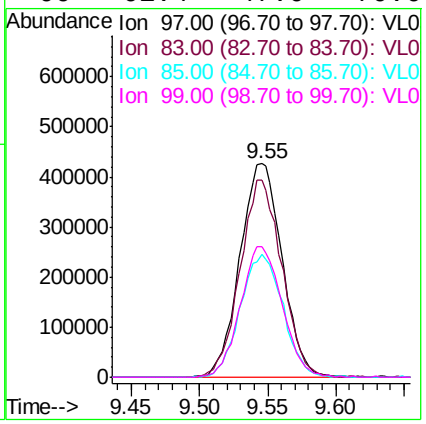


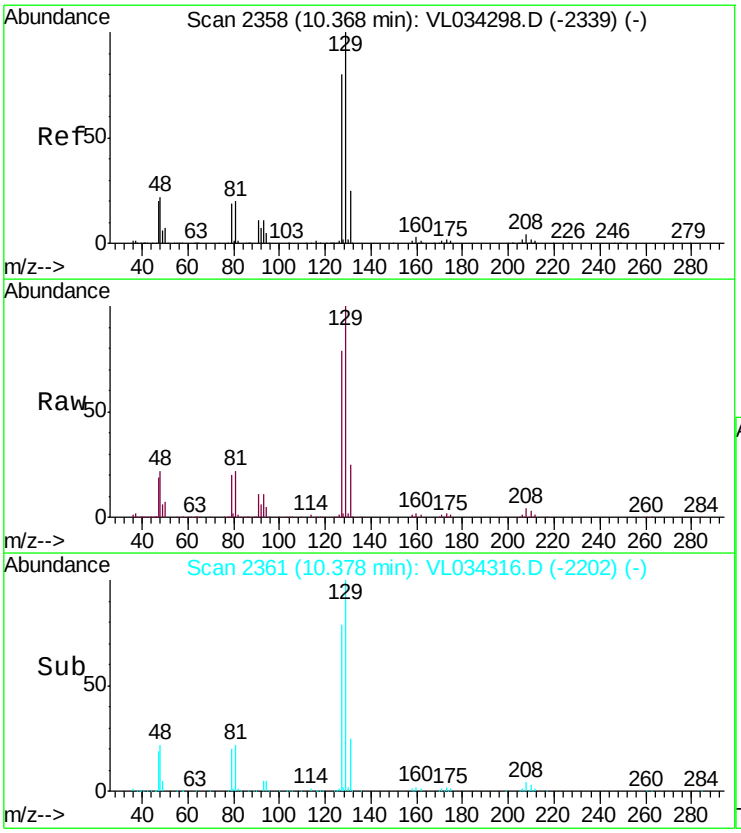
#47
1,1,2-Trichloroethane
Concen: 10.109 ppbv
RT: 9.55 min Scan# 2102
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 913255

Ion	Ratio	Lower	Upper
97	100		
83	92.3	74.2	111.2
85	57.6	48.6	73.0
99	61.4	47.0	70.6

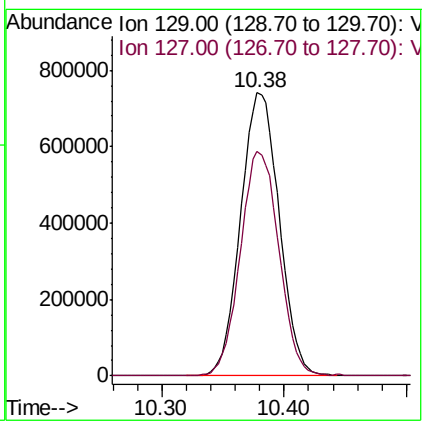


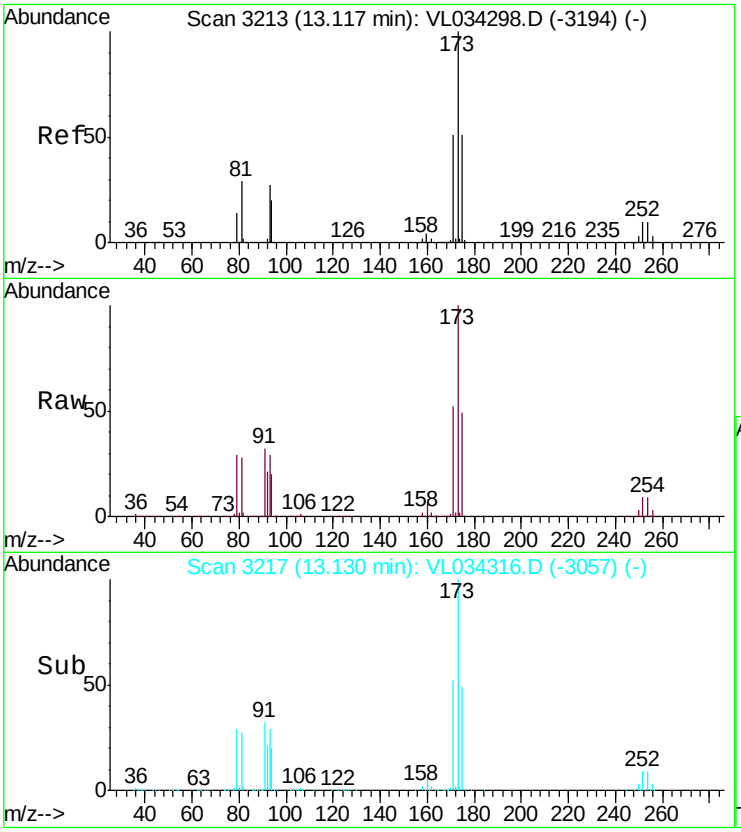


#48
Dibromochloromethane
Concen: 10.916 ppbv
RT: 10.38 min Scan# 2361
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:129 Resp: 1617706

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.7	119.1



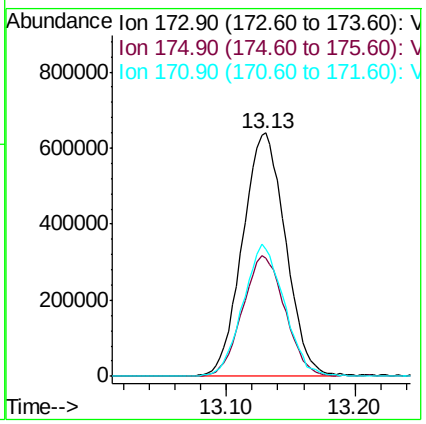


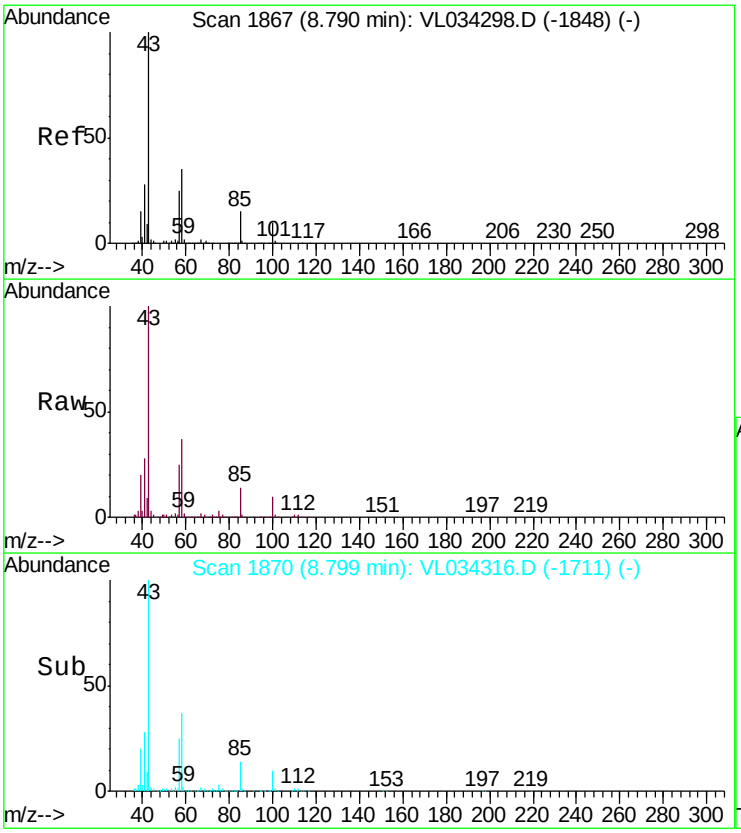
#49
Bromoform
Concen: 11.294 ppbv
RT: 13.13 min Scan# 3217
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1483146

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.8	59.6
171	52.1	41.8	62.6

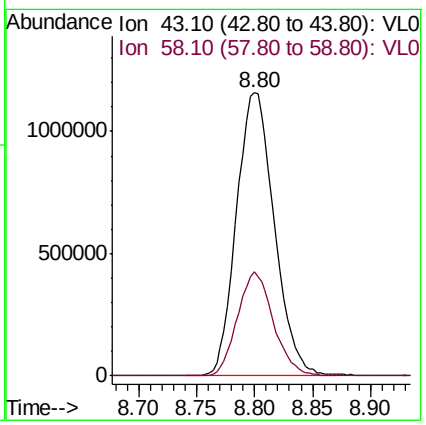


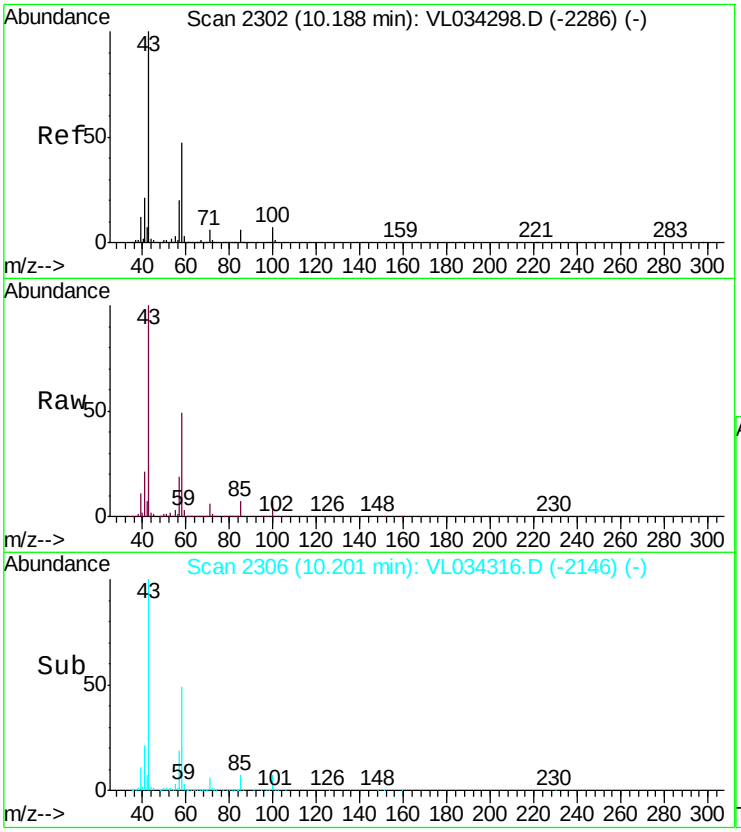


#50
4-Methyl-2-Pentanone
Concen: 10.422 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 43 Resp: 2632664

Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.6	41.4



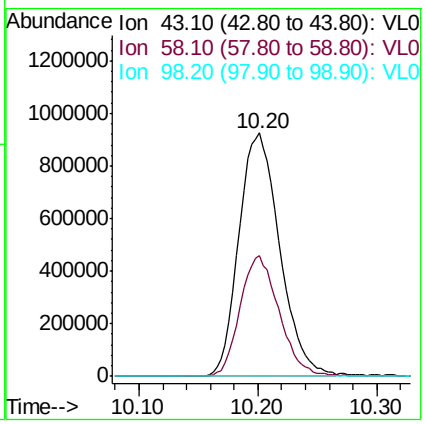


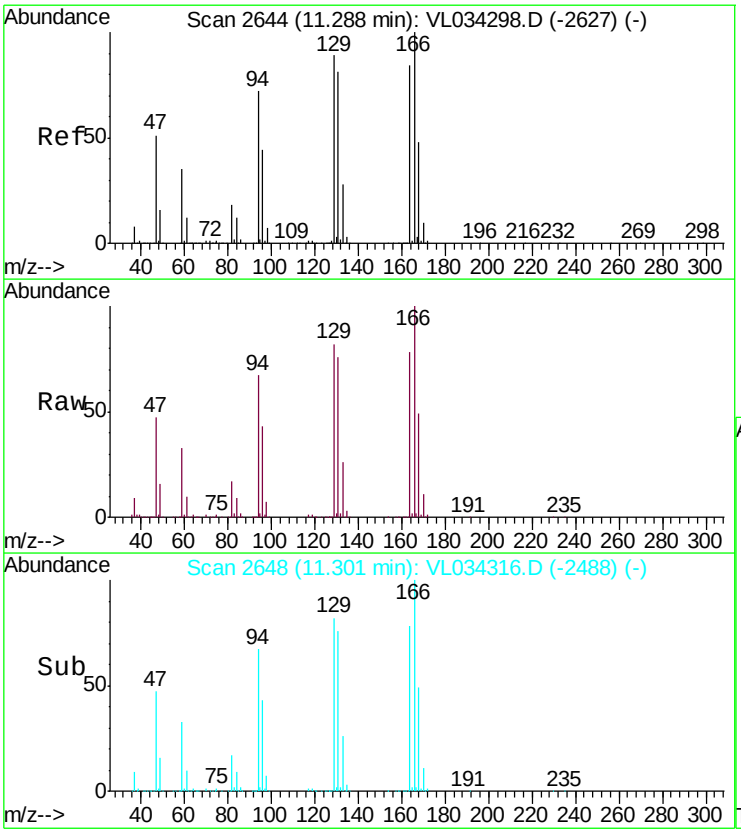
#51
2-Hexanone
Concen: 10.620 ppbv
RT: 10.20 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2199187

Ion	Ratio	Lower	Upper
43	100		
58	47.5	37.0	55.6
98	0.2	0.2	0.2#

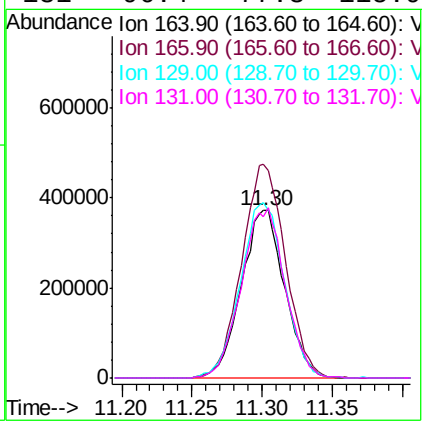


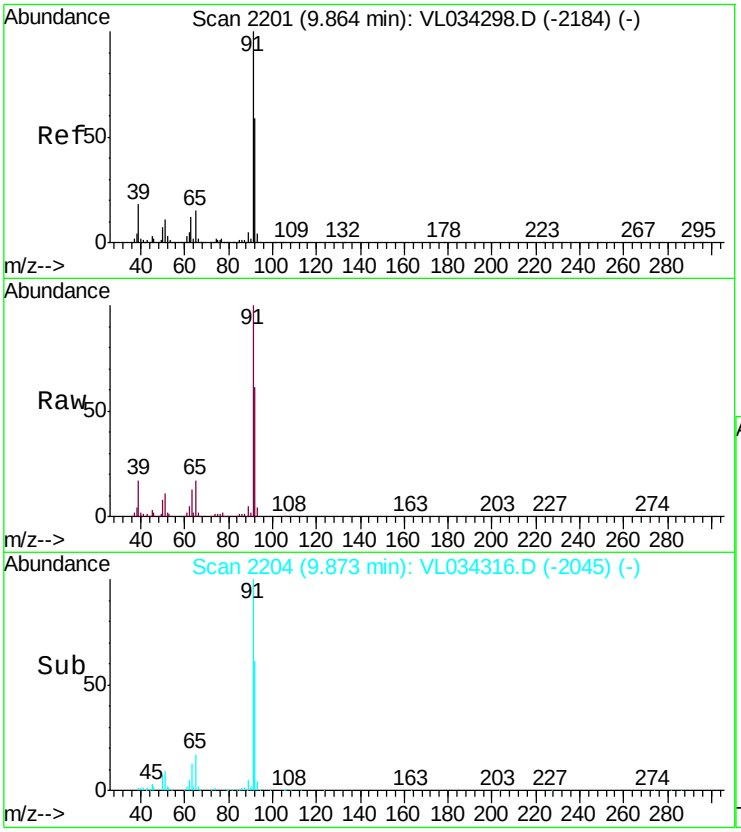


#52
Tetrachloroethene
Concen: 9.807 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:164 Resp: 796187

Ion	Ratio	Lower	Upper
164	100		
166	127.4	95.3	142.9
129	105.1	84.5	126.7
131	96.4	77.3	115.9



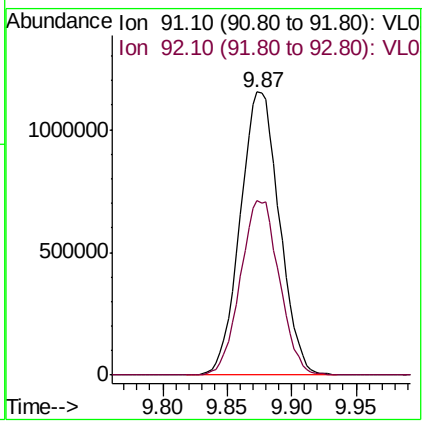


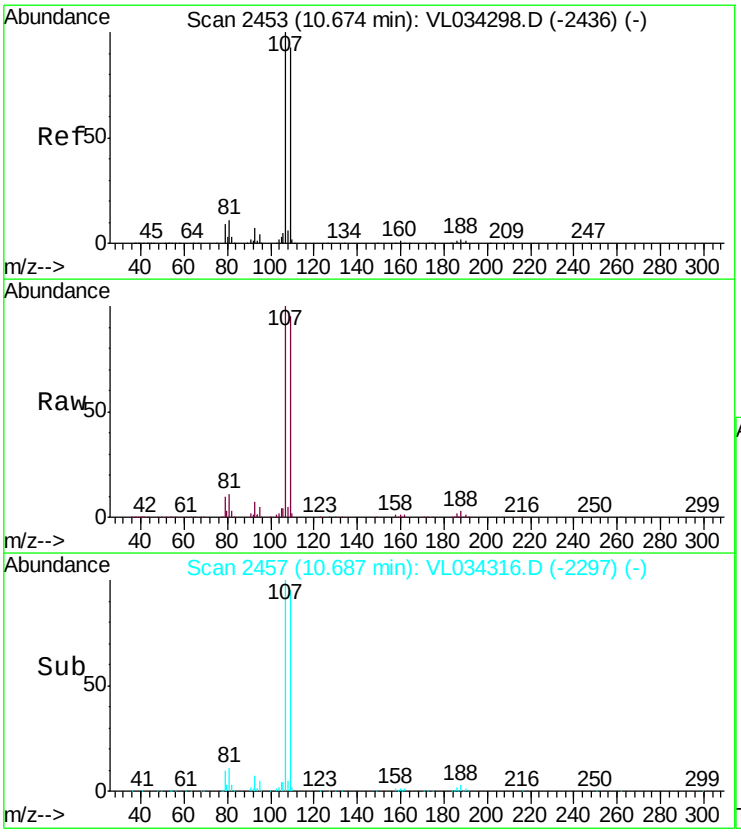
#53
Toluene
Concen: 10.687 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2442779

Ion	Ratio	Lower	Upper
91	100		
92	61.3	48.4	72.6

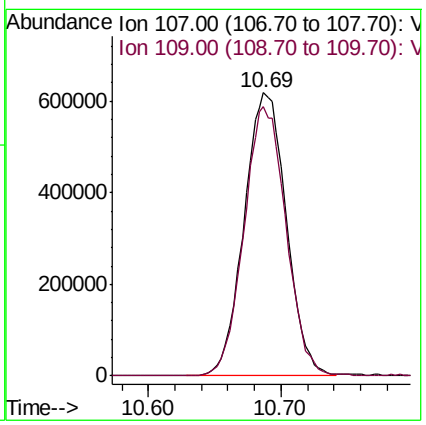


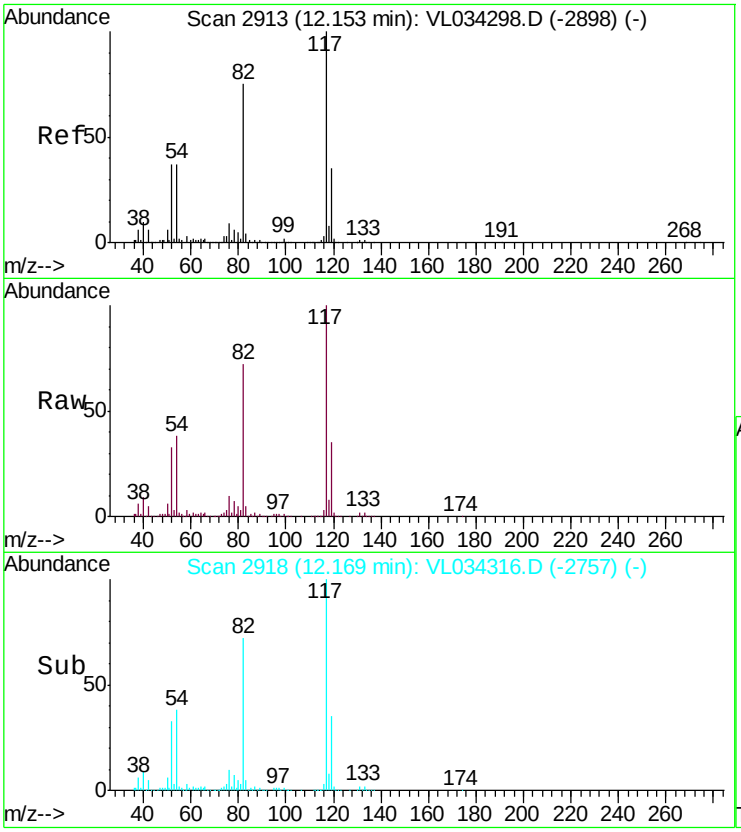


#54
1,2-Dibromoethane
Concen: 10.182 ppbv
RT: 10.69 min Scan# 2457
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:107 Resp: 1363351

Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.6	112.0



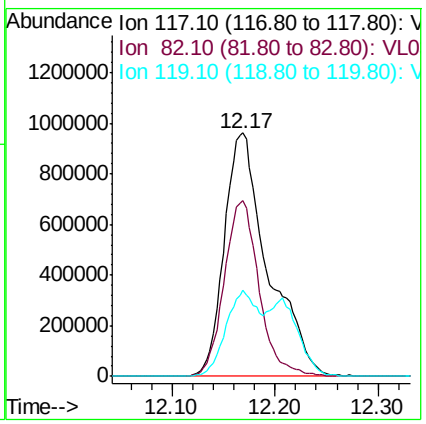


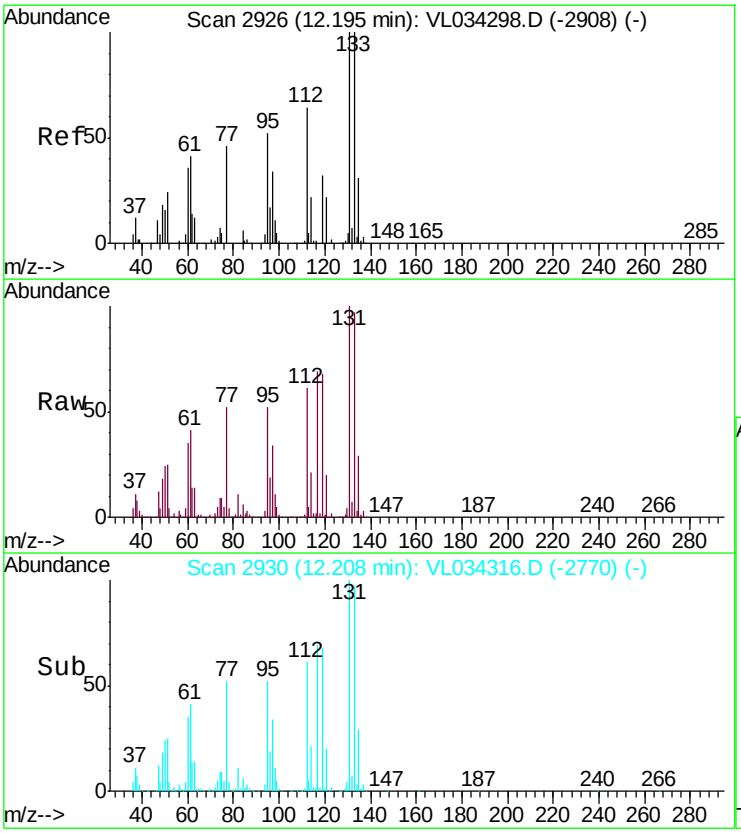
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2840781

Ion	Ratio	Lower	Upper
117	100		
82	57.6	55.5	83.3
119	26.2	26.5	39.7#

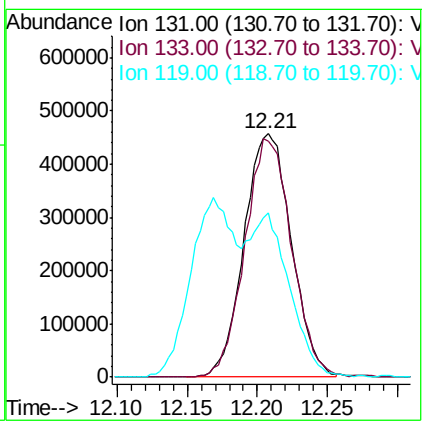


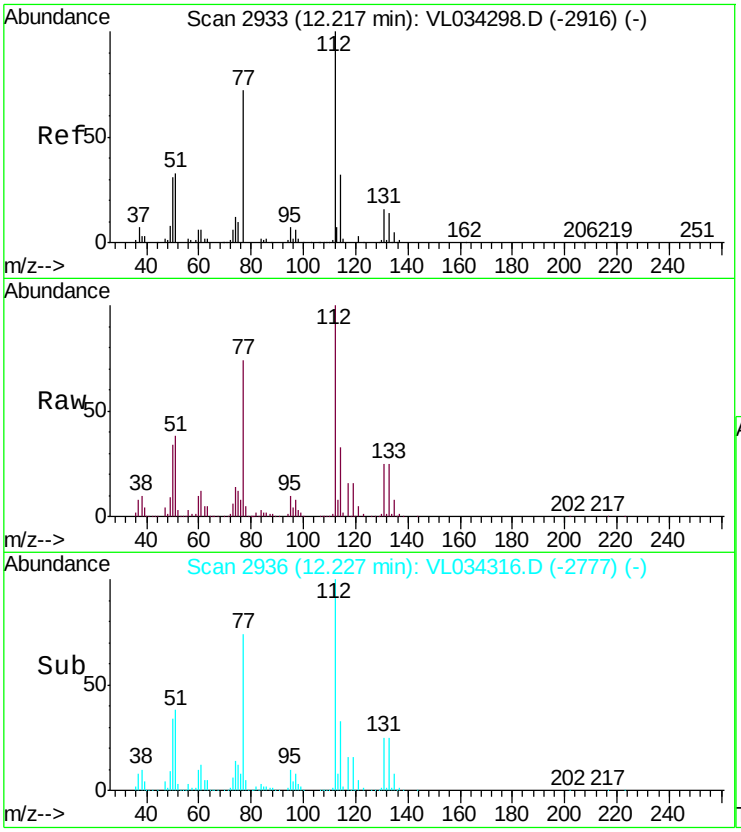


#56
1,1,1,2-Tetrachloroethane
Concen: 8.197 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:131 Resp: 1073141

Ion	Ratio	Lower	Upper
131	100		
133	97.0	77.1	115.7
119	128.4	49.0	73.4#



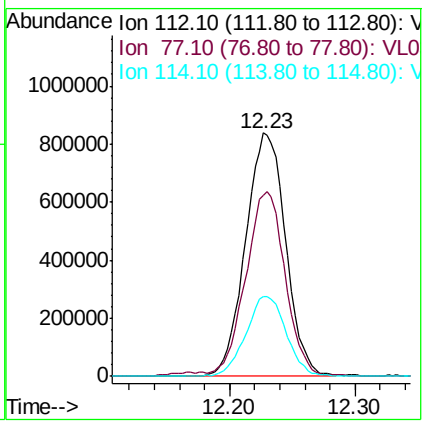


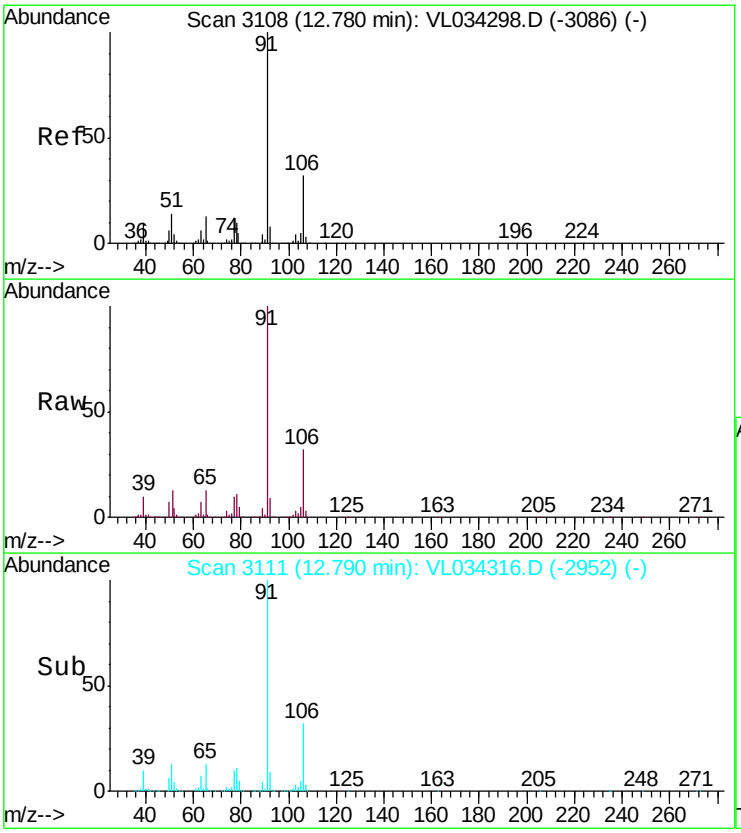
#57
Chlorobenzene
Concen: 7.839 ppbv
RT: 12.23 min Scan# 2936
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1857893

Ion	Ratio	Lower	Upper
112	100		
77	73.9	58.6	88.0
114	32.9	28.6	35.0

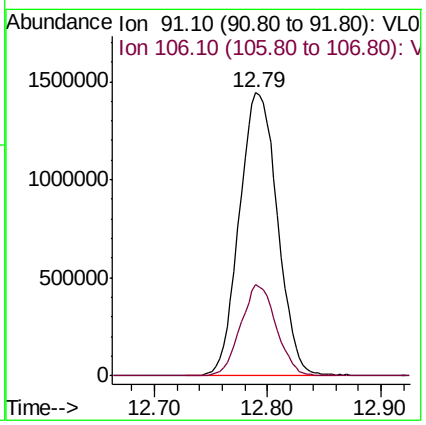


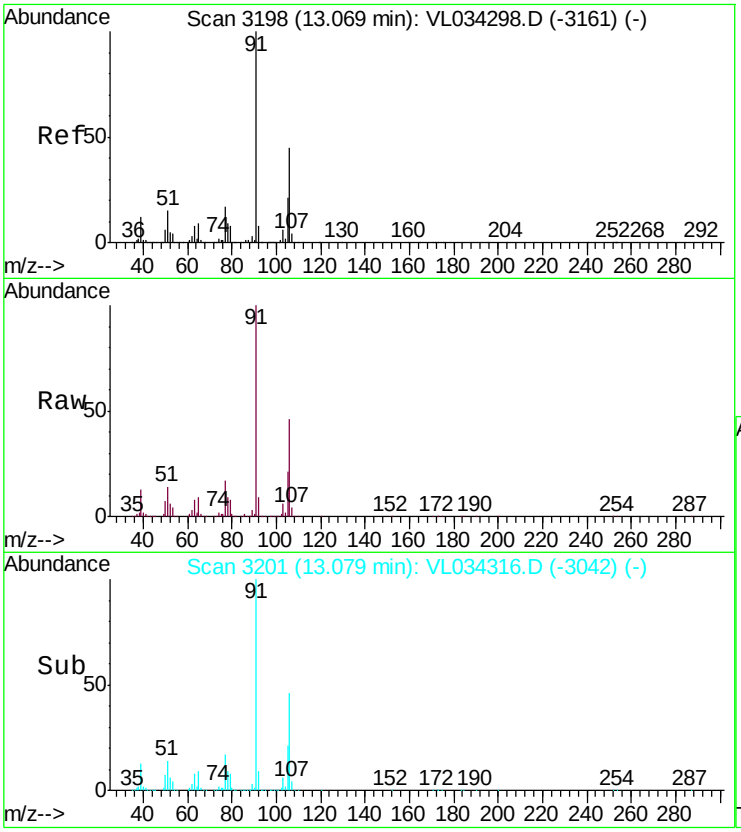


#58
Ethyl Benzene
Concen: 8.526 ppbv
RT: 12.79 min Scan# 3111
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 91 Resp: 3385935

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.3	37.9



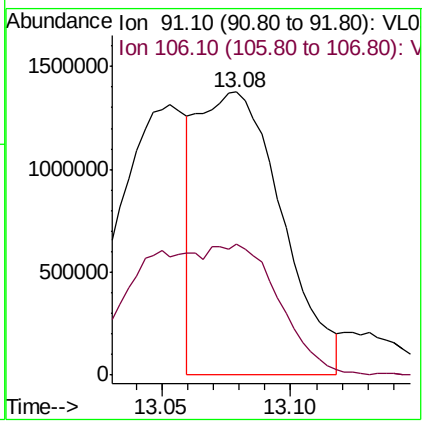


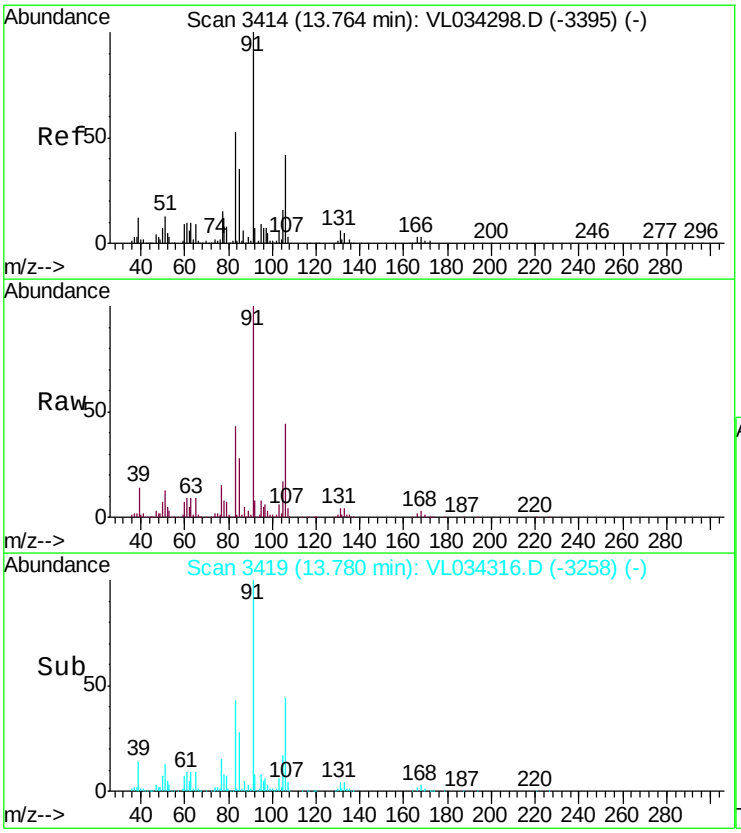
#59
m/p-Xylene
Concen: 9.075 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3122562

Ion	Ratio	Lower	Upper
91	100		
106	79.8	35.4	53.2#

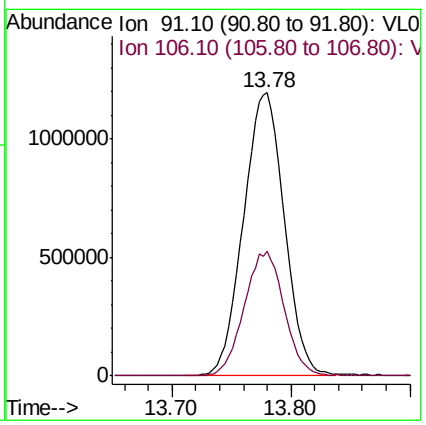


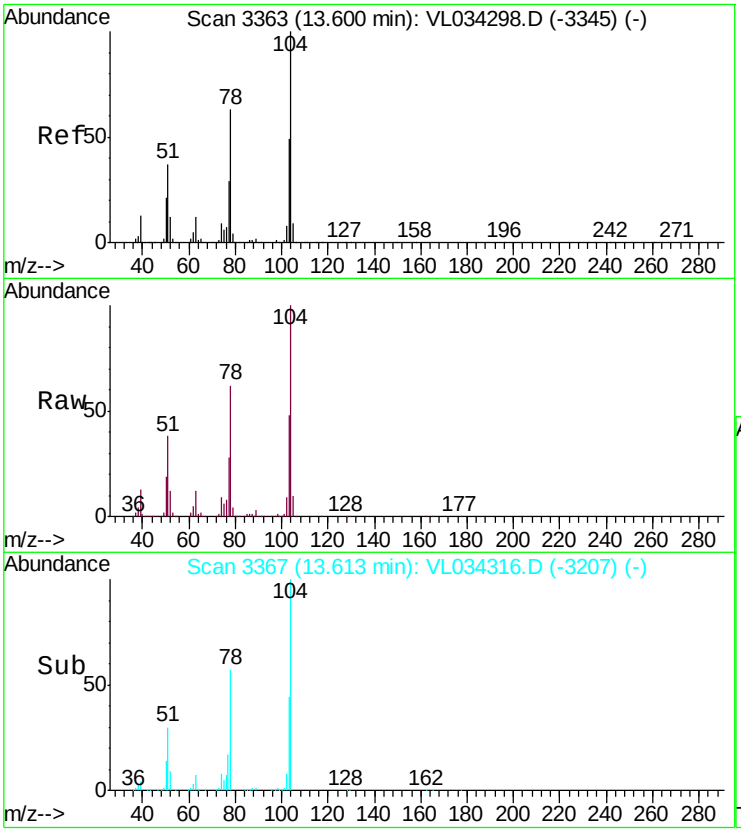


#60
o-Xylene
Concen: 8.285 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 91 Resp: 2838412

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.6	64.6



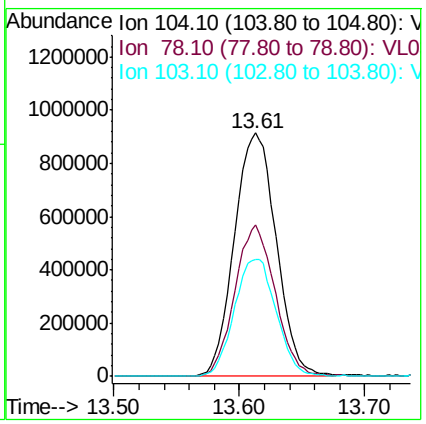


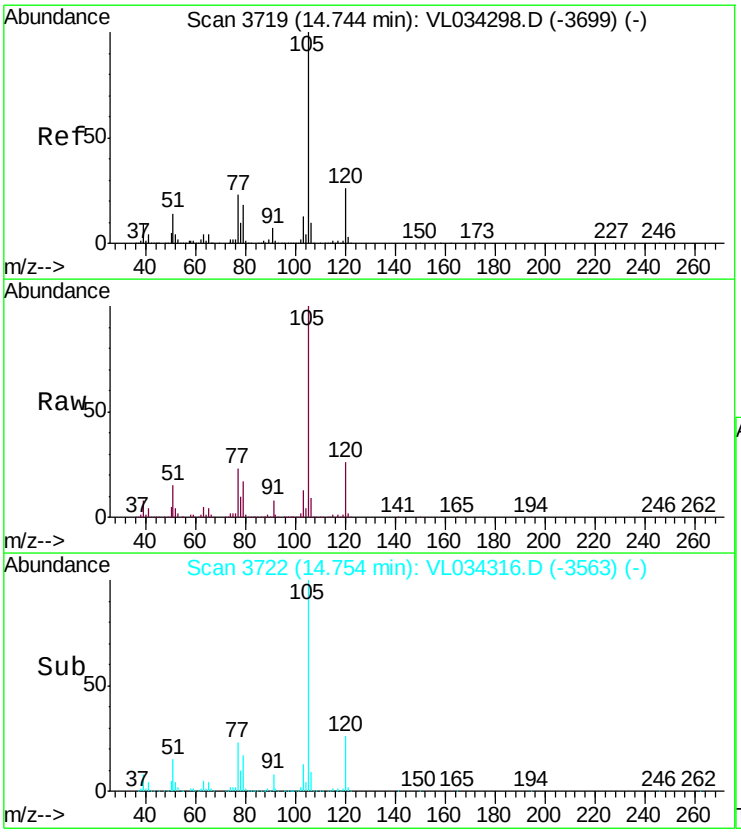
#61
Styrene
Concen: 8.786 ppbv
RT: 13.61 min Scan# 3367
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2119340

Ion	Ratio	Lower	Upper
104	100		
78	60.2	47.8	71.8
103	48.4	39.0	58.6

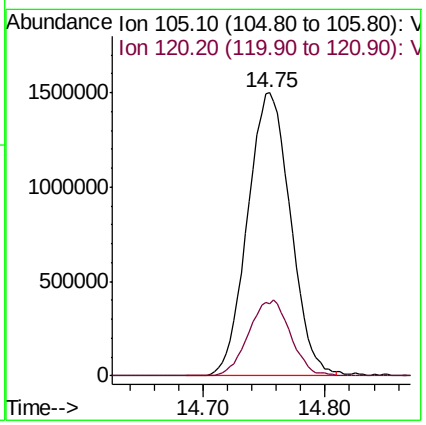


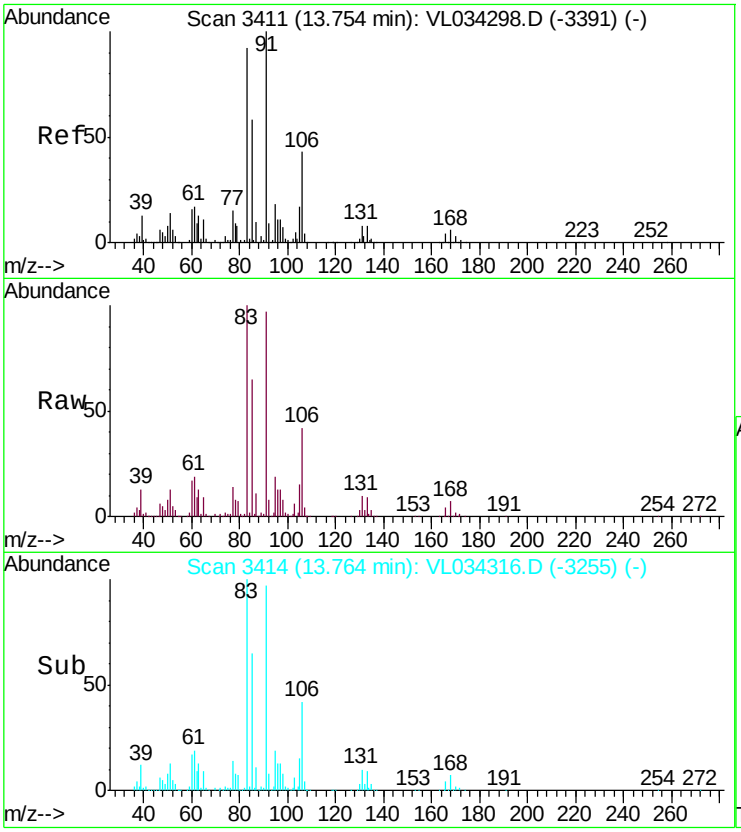


#62
Isopropylbenzene
Concen: 8.079 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:105 Resp: 3653830

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.8	31.2



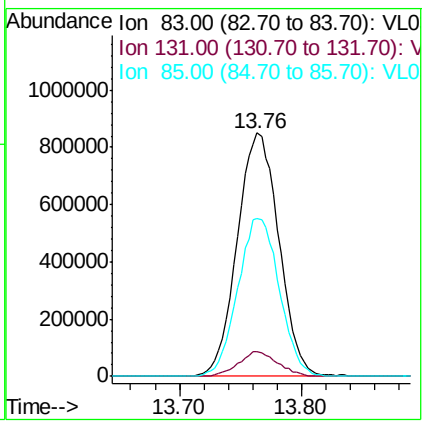


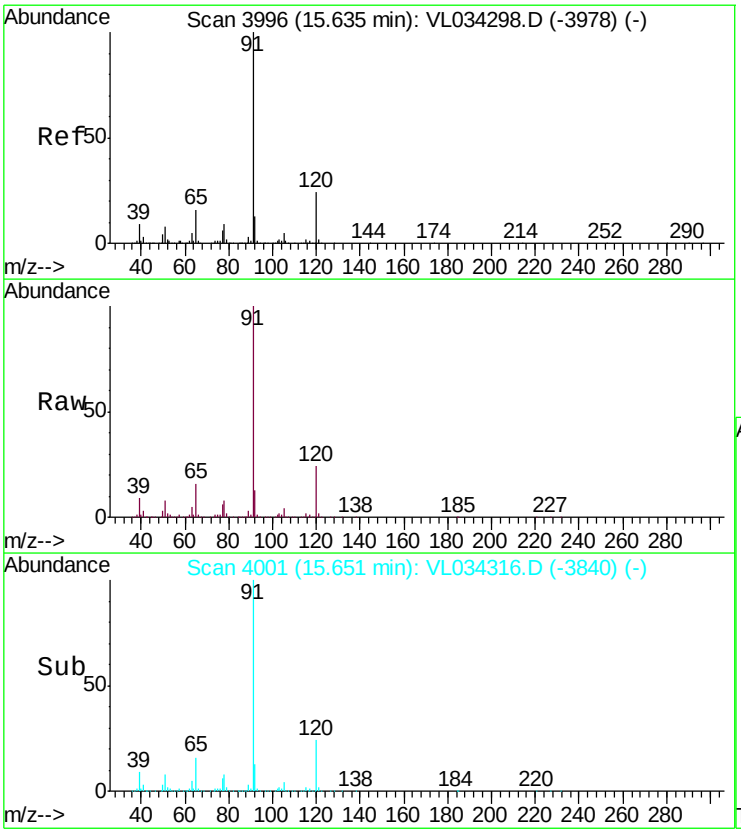
#63
1,1,2,2-Tetrachloroethane
Concen: 7.279 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 2003988

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.1	32.5	97.4

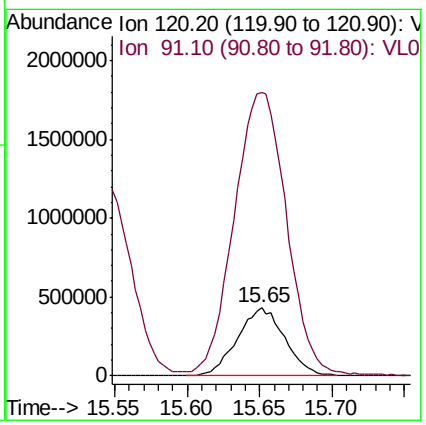


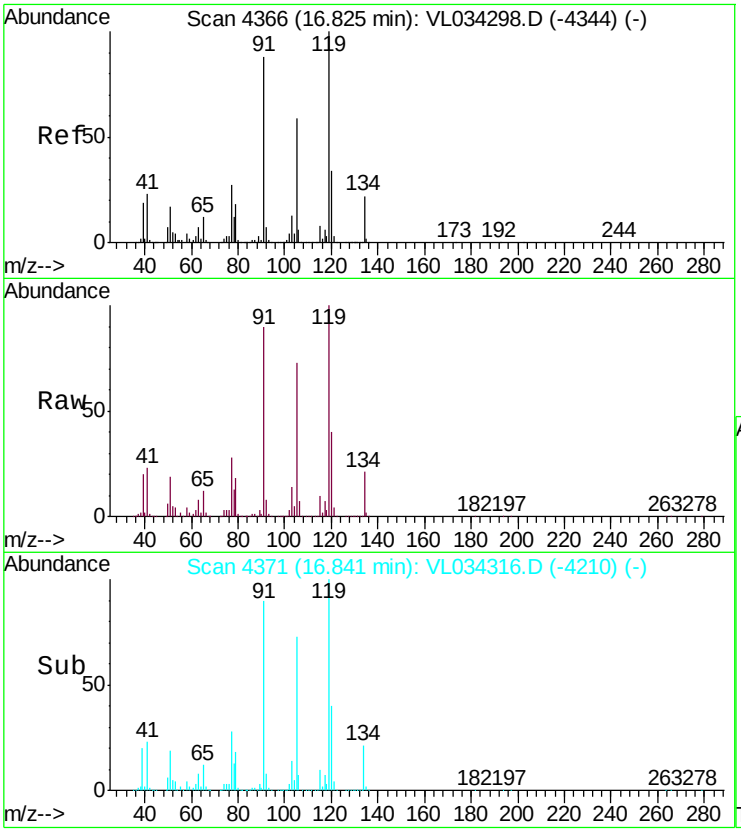


#64
n-propylbenzene
Concen: 8.364 ppbv
RT: 15.65 min Scan# 4001
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:120 Resp: 970833

Ion	Ratio	Lower	Upper
120	100		
91	469.6	374.9	562.3



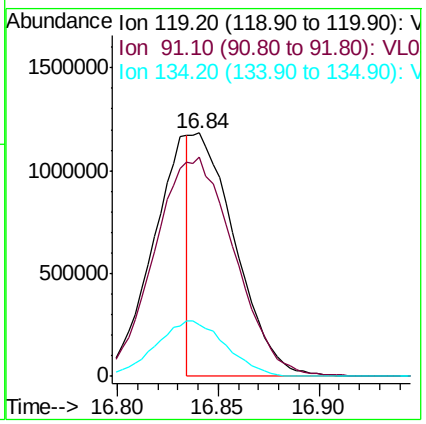


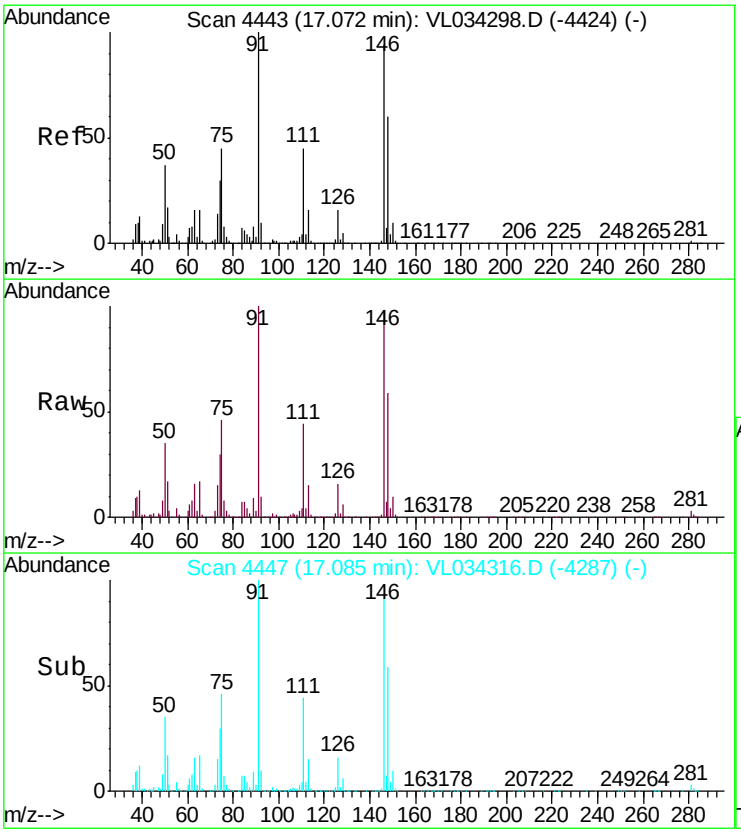
#65
tert-Butylbenzene
Concen: 4.434 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 1777181

Ion	Ratio	Lower	Upper
119	100		
91	165.9	71.4	107.0#
134	37.1	15.9	23.9#

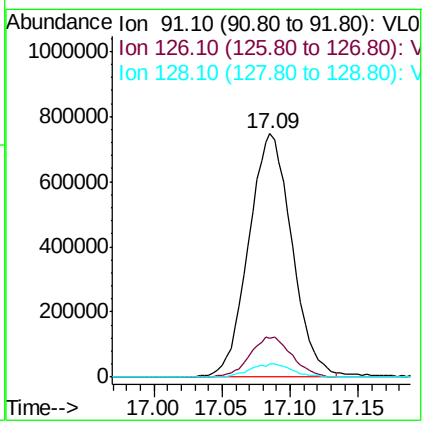


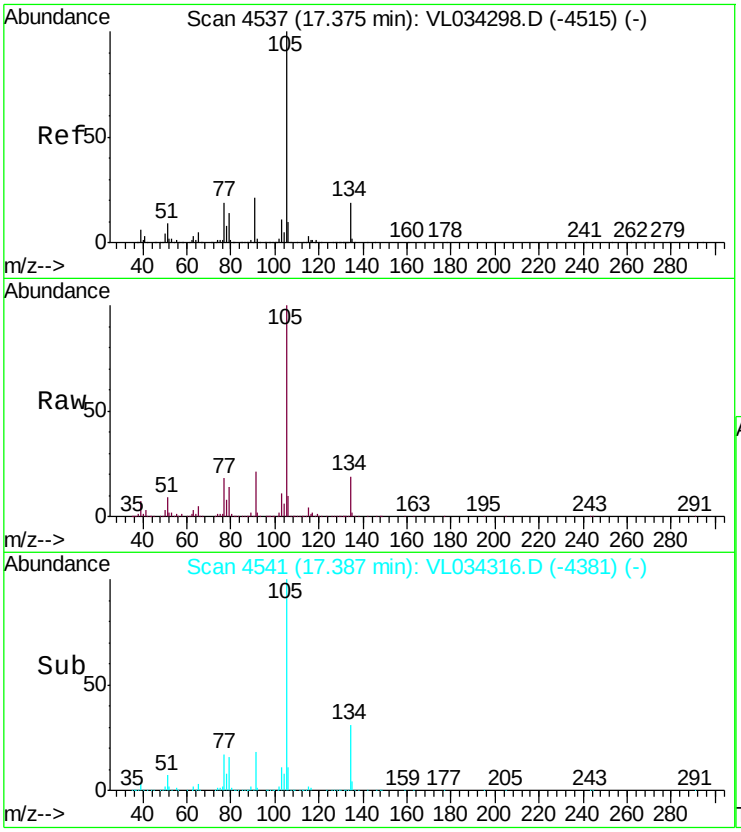


#66
Benzyl Chloride
Concen: 10.359 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 91 Resp: 1640033

Ion	Ratio	Lower	Upper
91	100		
126	16.2	12.9	19.3
128	5.3	4.3	6.5



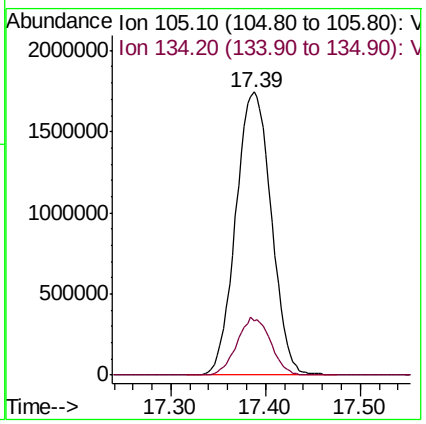


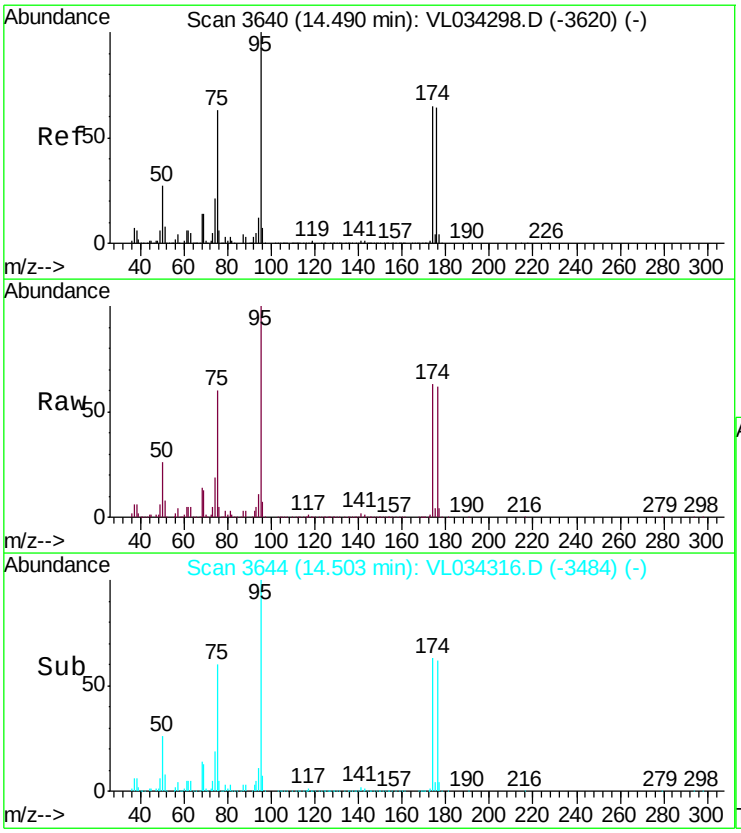
#67
sec-Butylbenzene
Concen: 8.078 ppbv
RT: 17.39 min Scan# 4541
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4556649

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.4	23.0

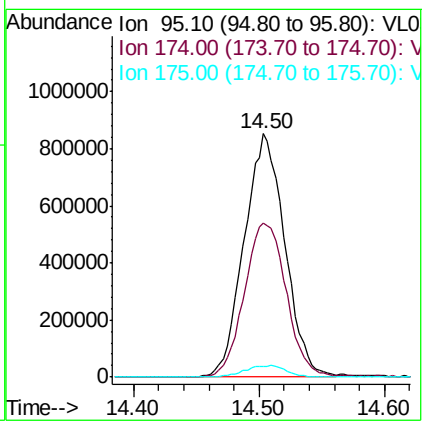


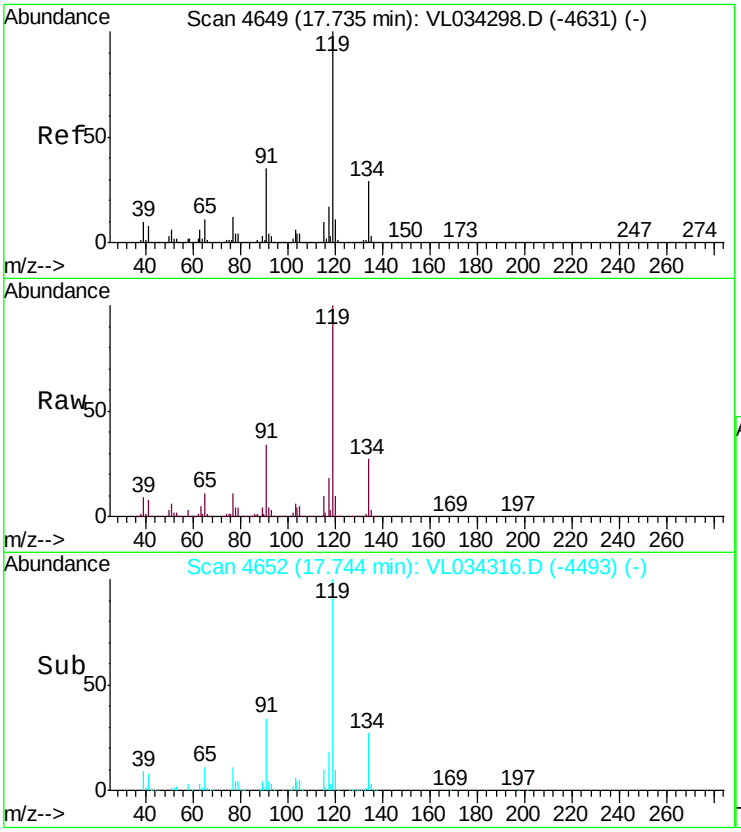


#68
1-Bromo-4-Fluorobenzene
Concen: 7.989 ppbv
RT: 14.50 min Scan# 3644
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 95 Resp: 1922000

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.6	78.8
175	4.9	3.8	5.6



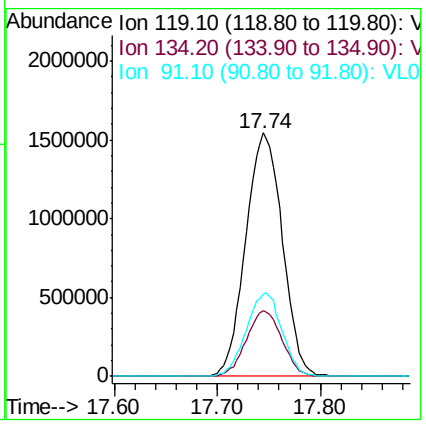


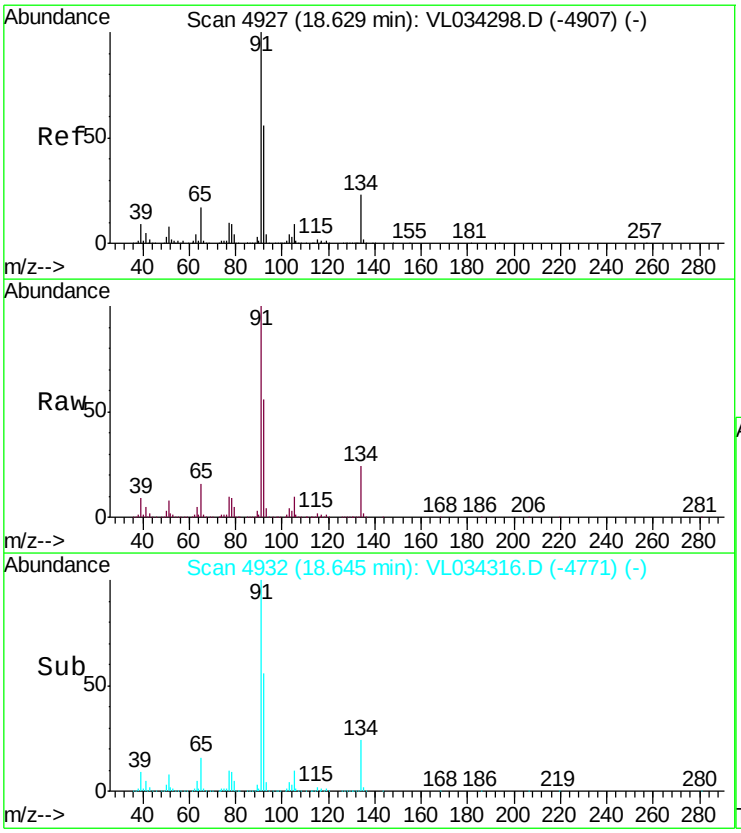
#69
p-Isopropyltoluene
Concen: 8.283 ppbv
RT: 17.74 min Scan# 4652
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3809142

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.3	31.9
91	33.4	26.6	39.8

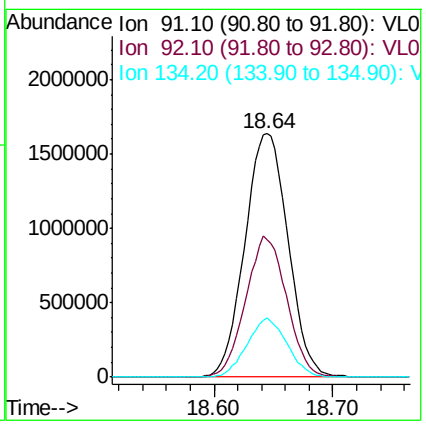


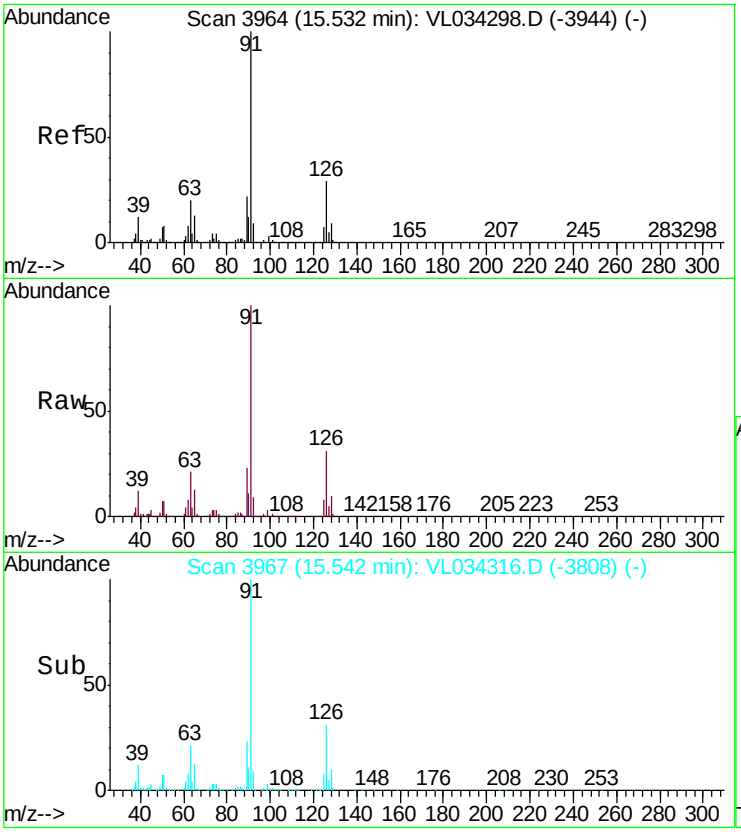


#70
n-Butylbenzene
Concen: 8.206 ppbv
RT: 18.64 min Scan# 4932
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion: 91 Resp: 4105945

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.5	66.7
134	22.6	18.2	27.2



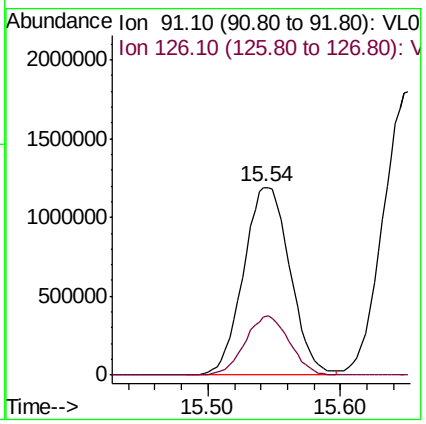


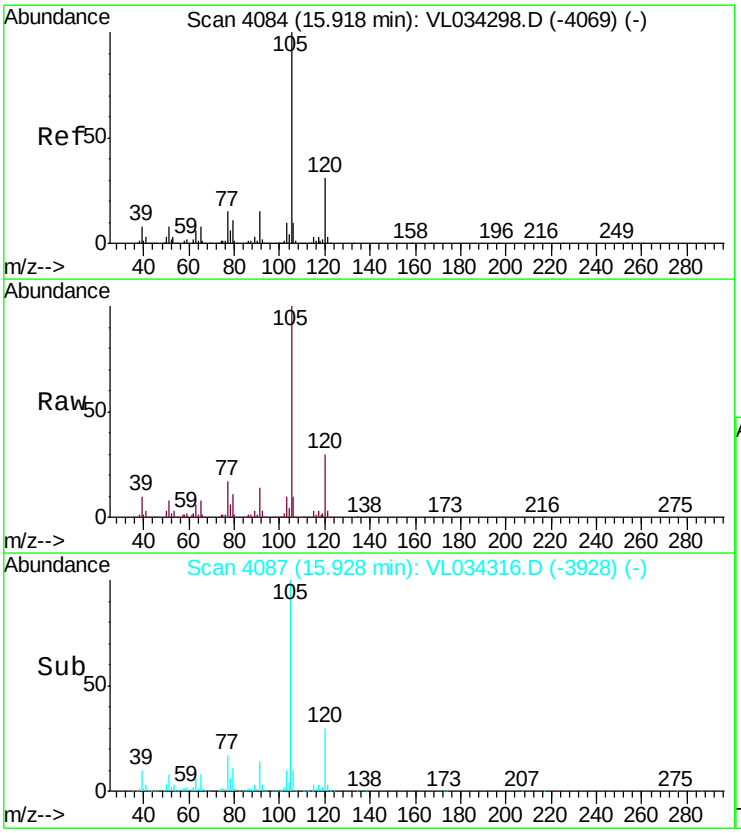
#71
2-Chlorotoluene
Concen: 8.286 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2905889

Ion	Ratio	Lower	Upper
91	100		
126	30.3	11.9	47.5

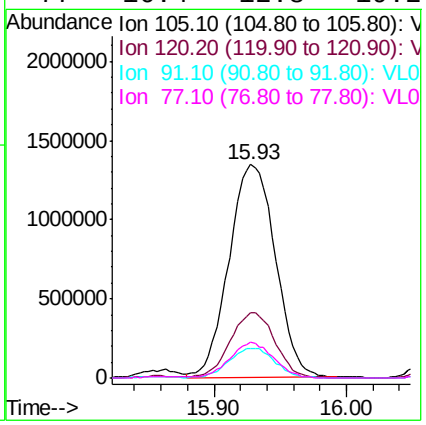


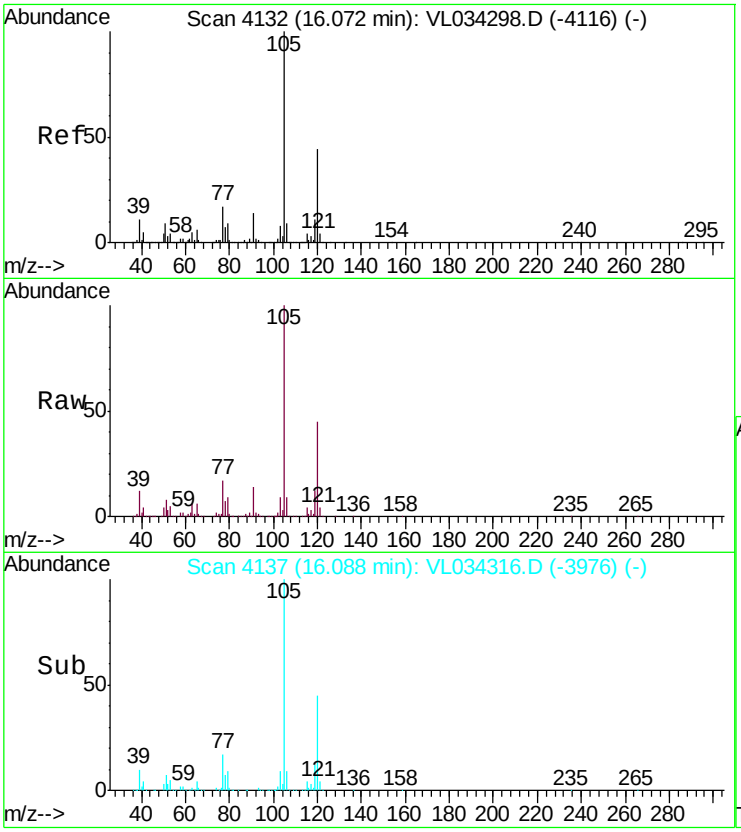


#72
4-Ethyltoluene
Concen: 8.486 ppbv
RT: 15.93 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:105 Resp: 3268421

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.8	35.8
91	13.9	11.2	16.8
77	16.4	12.8	19.2



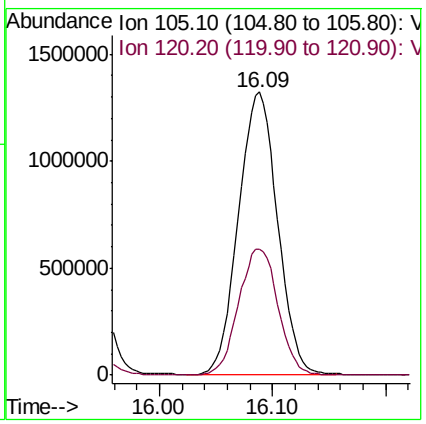


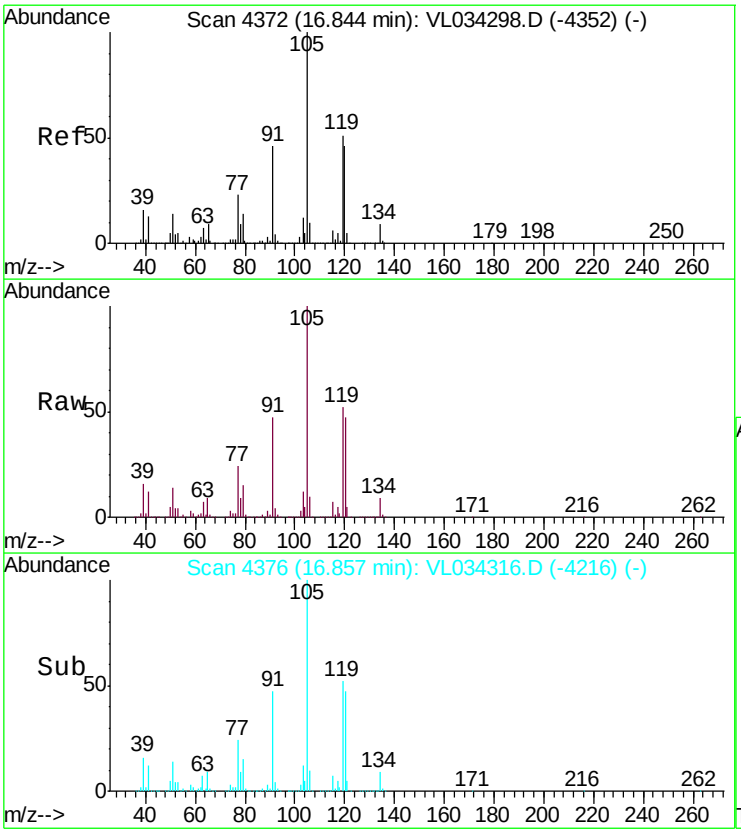
#73
1,3,5-Trimethylbenzene
Concen: 8.290 ppbv
RT: 16.09 min Scan# 4137
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3163211

Ion	Ratio	Lower	Upper
105	100		
120	44.6	35.2	52.8

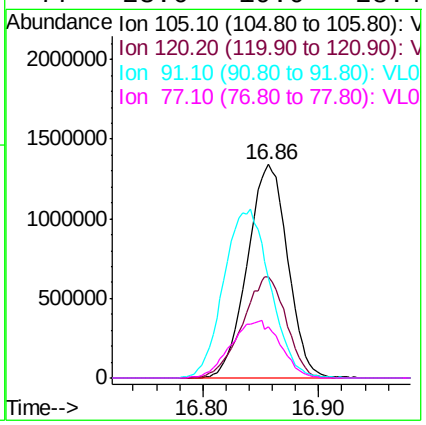


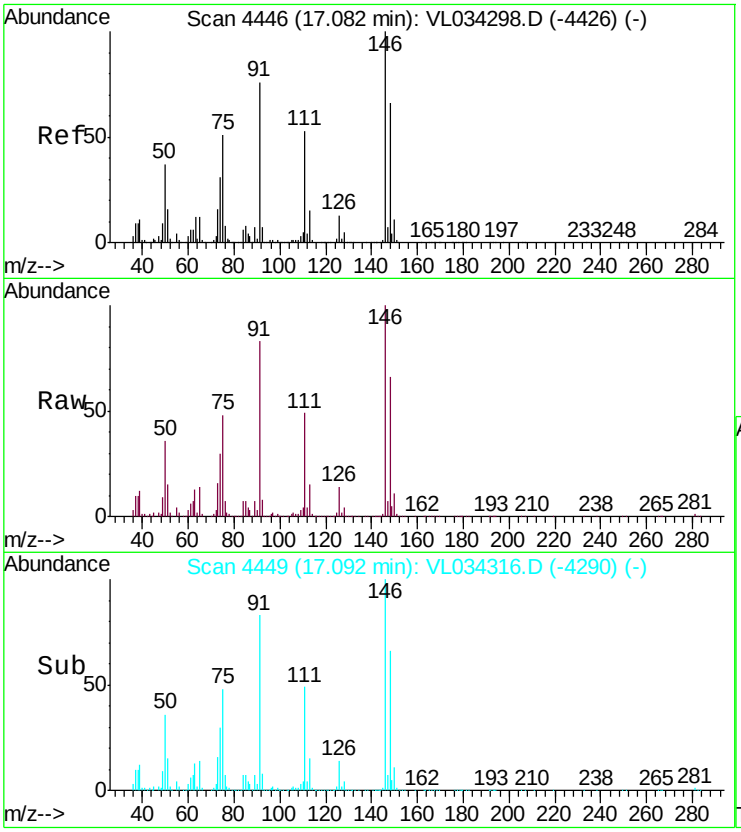


#74
1,2,4-Trimethylbenzene
Concen: 8.136 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:105 Resp: 3237707

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.0	55.6
91	46.6	38.2	57.2
77	23.6	19.0	28.4



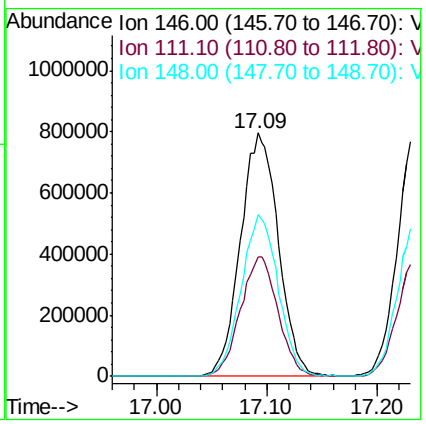


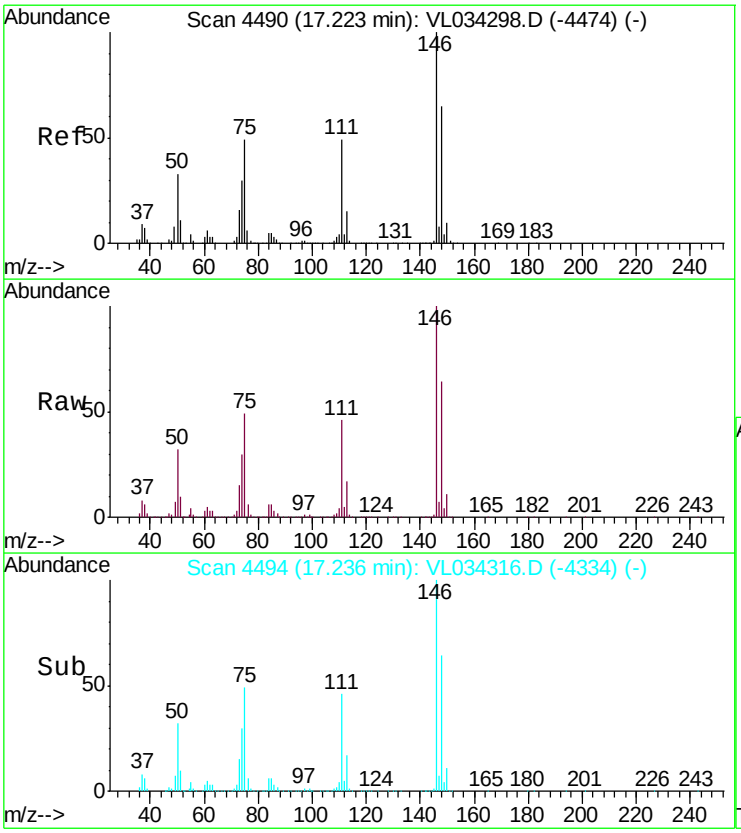
#75
1,3-Dichlorobenzene
Concen: 7.938 ppbv
RT: 17.09 min Scan# 4449
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1896579

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.5	73.5
148	64.9	32.3	96.8

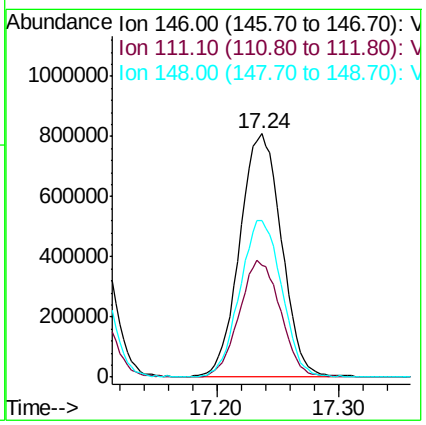


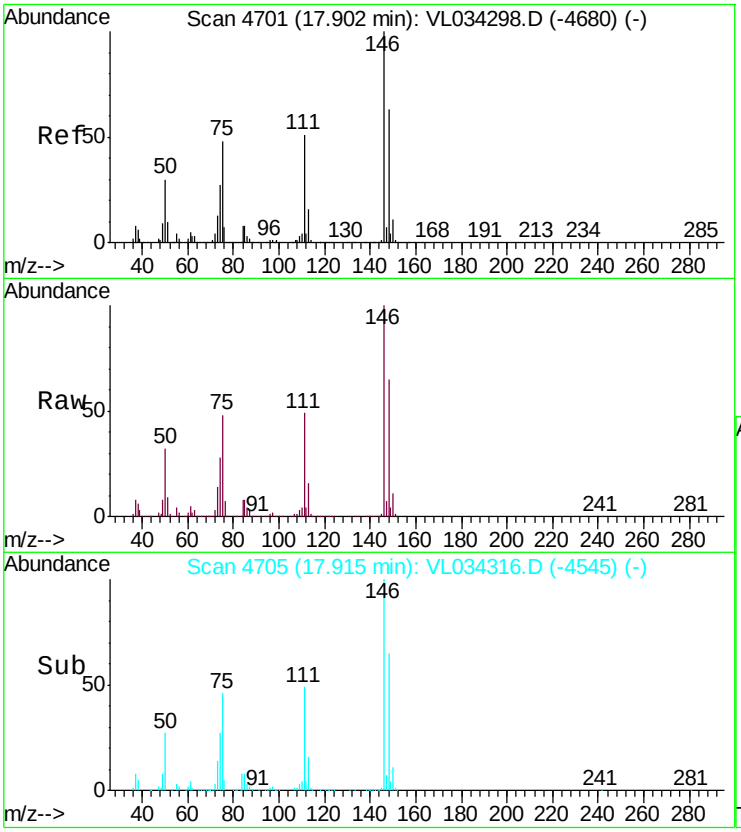


#76
1,4-Dichlorobenzene
Concen: 8.138 ppbv
RT: 17.24 min Scan# 4494
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:146 Resp: 1899143

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.9	71.7
148	65.1	33.1	99.2



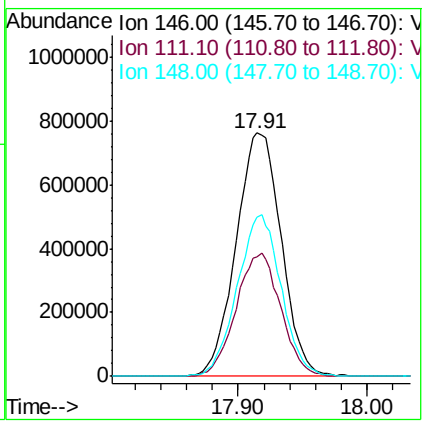


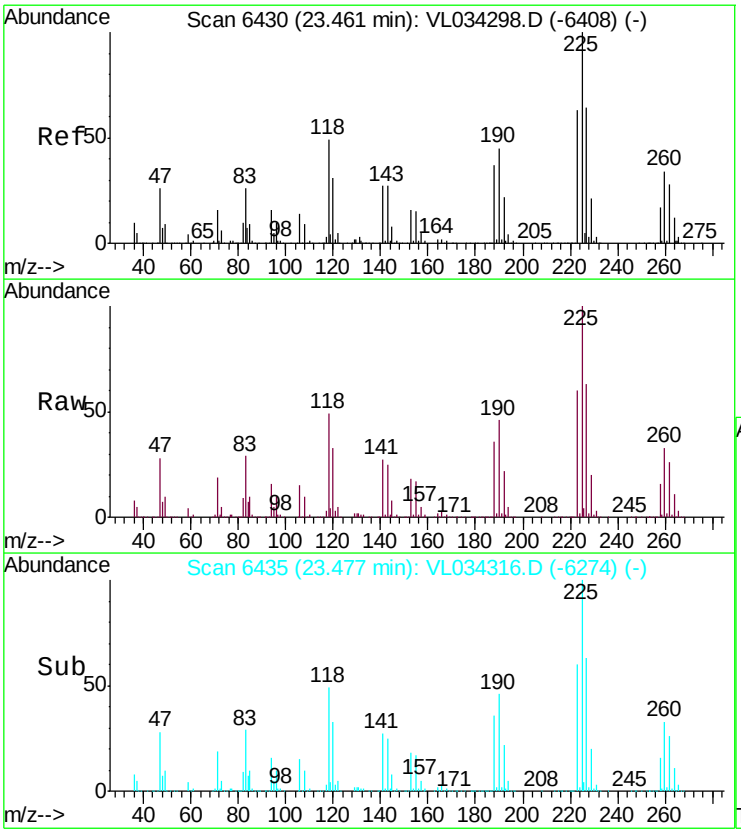
#77
1,2-Dichlorobenzene
Concen: 7.901 ppbv
RT: 17.91 min Scan# 4705
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1850802

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.1	75.3
148	64.9	32.3	96.8

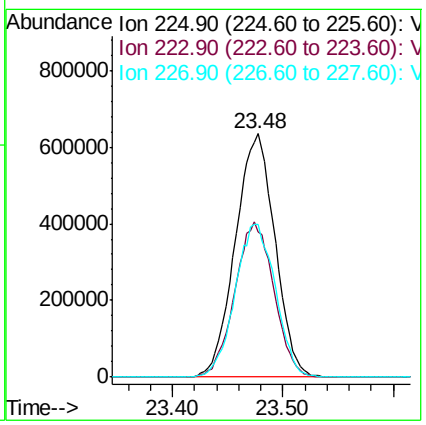


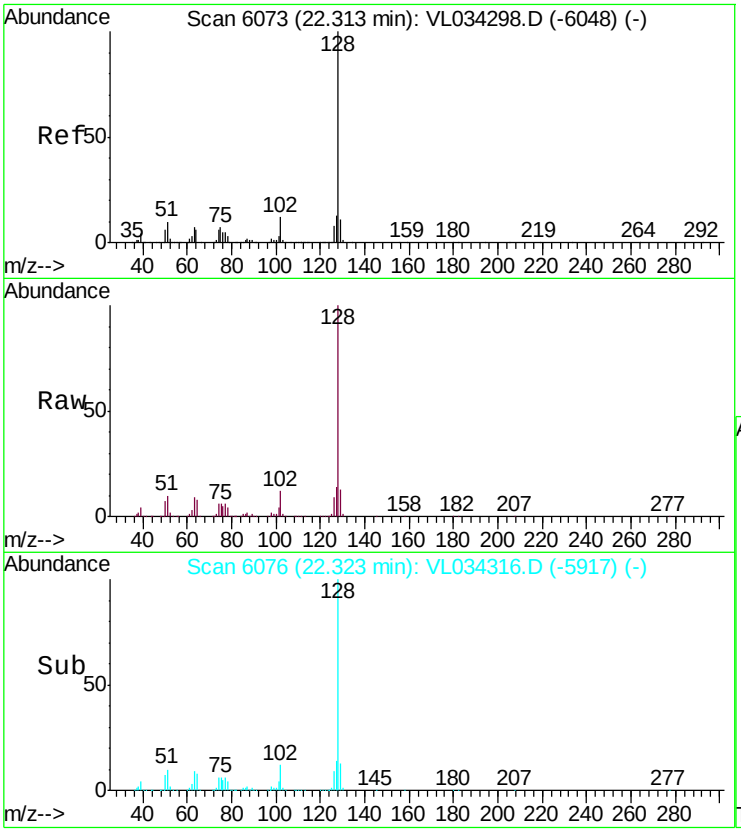


#78
Hexachloro-1,3-Butadiene
Concen: 8.172 ppbv
RT: 23.48 min Scan# 6435
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:225 Resp: 1583361

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.8	76.2
227	63.6	51.5	77.3



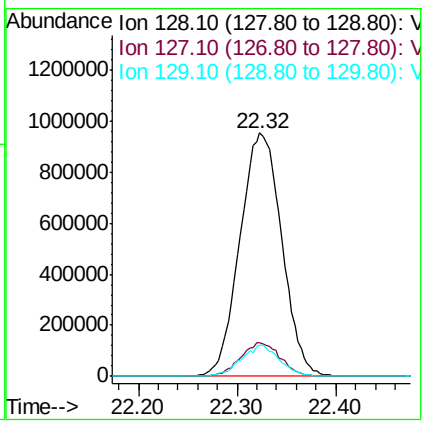


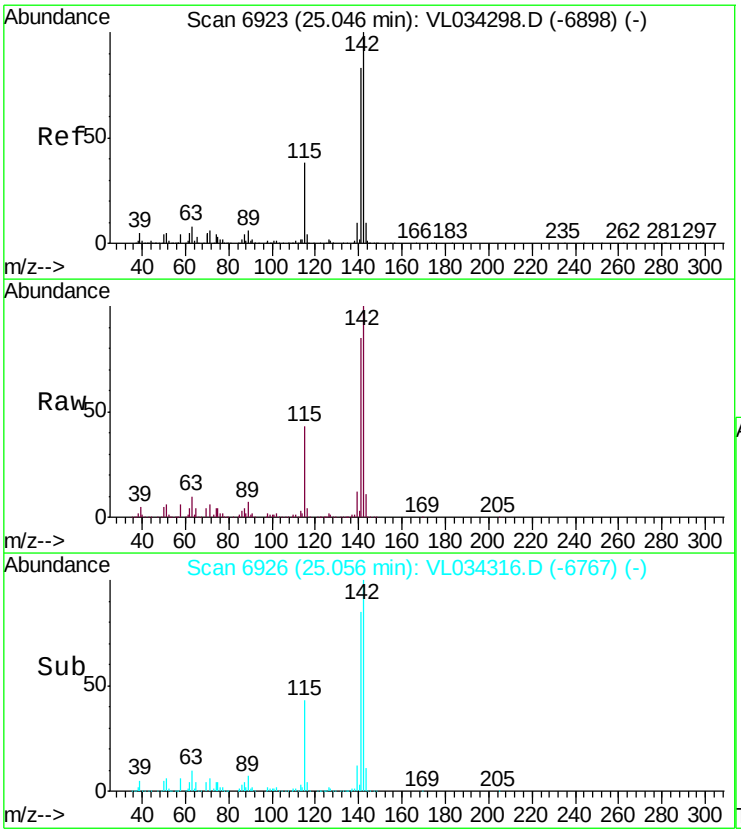
#79
Naphthalene
Concen: 9.629 ppbv
RT: 22.32 min Scan# 6076
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2799010

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	12.6	8.9	13.3

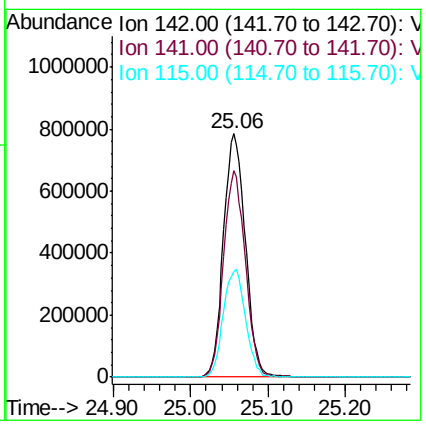


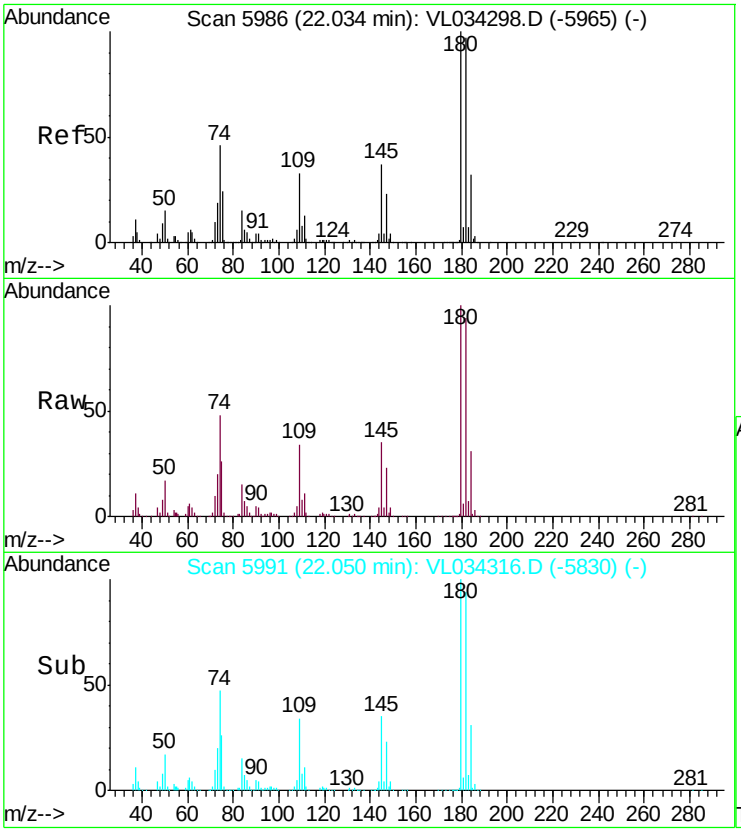


#80
Naphthalene,2-methyl-
Concen: 18.293 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. 0.01 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Tgt Ion:142 Resp: 1537029

Ion	Ratio	Lower	Upper
142	100		
141	84.3	65.7	98.5
115	44.9	30.9	46.3





#81
1,2,4-Trichlorobenzene
Concen: 8.919 ppbv
RT: 22.05 min Scan# 5991
Delta R.T. 0.02 min
Lab File: VL034316.D
Acq: 17 Oct 2019 13:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1693383

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.8	116.8
184	31.2	25.4	38.2