Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012819\

Quantitation Report (Not Reviewed)

Data File : VL033121.D
Acq On : 28 Jan 2019 21:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 28 21:49:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1227203	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3202890	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3284653	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2426326	9.64	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2399793	10.508	ppbv	99
3) Chlorodifluoromethane	3.01	51	1395089	10.043	ppbv	99
4) Chloromethane	3.17	50	760548	9.559	ppbv	98
5) Vinyl Chloride	3.29	62	795070	9.894	ppbv	100
6) Bromomethane	3.51	94	497316	9.110	ppbv	97
7) Chloroethane	3.60	64	292953	9.323	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1937950	9.851	ppbv	99
9) Propene	3.03	41	599970	11.561	ppbv	98
10) Heptane	8.24	43	1474864	9.982	ppbv	99
11) Trichlorofluoromethane	4.00	101	1949577	7.725	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1352326	8.475	ppbv	99
13) Ethanol	3.65	45	155549	7.516	ppbv	96
14) Bromoethene	3.79	108	631516	8.960	ppbv	100
15) Acetone	3.90	43	1253216	7.378	ppbv	98
16) 1,3-Butadiene	3.36	39	642828	10.036	ppbv	94
17) tert-Butyl alcohol	4.36	59	325896	9.057	ppbv	99
18) 1,1-Dichloroethene	4.35	96	631741	8.595	ppbv	97
19) Isopropyl Alcohol	4.02	45	961581	8.223	ppbv	99
20) Methylene Chloride	4.41	84	541851	7.652	ppbv	98
21) Allyl Chloride	4.47	41	997279	9.474	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	638345	8.761	ppbv	96
23) Vinyl Acetate	5.15	43	2164390	10.016	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1595133	8.694	ppbv	100
25) Ethyl Acetate	5.77	43	2570792	8.954	ppbv	100
26) Hexane	5.78	57	1189645	8.799	ppbv	97
27) Carbon Disulfide	4.62	76	1600307	9.598	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	2039713	9.666	ppbv	99
29) Chloroform	5.85	83	1945560	8.445	ppbv	95
30) Cyclohexane	7.25	84	1063065	10.546	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1223847	9.749	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1992241	8.520	ppbv	99
34) 2-Butanone	5.33	43	1644026	8.834	ppbv	99
35) Carbon Tetrachloride	7.13	117	2219550	8.068	ppbv	99
36) Benzene	7.00	78	2470788	9.417	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1492866	8.150	ppbv	99
38) Trichloroethene	7.96	130	1022418	9.473	ppbv	94
39) 1,2-Dichloropropane	7.73	63	926113	9.396	ppbv	98
40) 1,4-Dioxane	7.95	88	349199	9.333	ppbv	89
41) Tetrahydrofuran	6.14	42	950436	10.034	ppbv	100
42) Bromodichloromethane	7.91	83	2142122	8.513	ppbv	98
43) Methyl Methacrylate	8.13	69	990273	10.059	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012819\

Quantitation Report (Not Reviewed)

Data File : VL033121.D
Acq On : 28 Jan 2019 21:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 28 21:49:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4112536	9.256	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1363968	11.130	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	1546095	11.054	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	1047509	9.097	ppbv		96
48) Dibromochloromethane	10.45	129	1906144	9.369	ppbv		99
49) Bromoform	13.20	173	1647731	9.270	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2314414	9.815	ppbv		99
51) 2-Hexanone	10.27	43	1788229	10.481	ppbv		100
52) Tetrachloroethene	11.37	164	907178	9.782	ppbv		99
53) Toluene	9.95	91	2891160	10.283	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1613495	9.725	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1350600	7.958	ppbv		98
57) Chlorobenzene	12.30	112	2251651	8.213	ppbv		97
58) Ethyl Benzene	12.86	91	3942526	9.507	ppbv		99
59) m/p-Xylene	13.15	91	2997694	7.814	ppbv	#	100
60) o-Xylene	13.85	91	3234723	8.613	ppbv		99
61) Styrene	13.69	104	2446986	10.211	ppbv		99
62) Isopropylbenzene	14.82	105	4677339	8.751	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2210427	7.923	ppbv		99
64) n-propylbenzene	15.72	120	1079051	7.947	ppbv		97
65) tert-Butylbenzene	16.91	119	3673964	7.760	ppbv		99
66) Benzyl Chloride	17.16	91	2231359	8.269	ppbv		100
67) sec-Butylbenzene	17.46	105	5067983	7.480	ppbv		100
69) p-Isopropyltoluene	17.82	119	6004612	10.919	ppbv		100
70) n-Butylbenzene	18.72	91	4185852	7.572	ppbv		99
71) 2-Chlorotoluene	15.61	91	1821655	4.806	ppbv	#	44
72) 4-Ethyltoluene	16.00	105	3742879	9.068	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3556301	8.733	ppbv		100
74) 1,2,4-Trimethylbenzene	16.92	105	1698243	3.765	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	1864159	7.022	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1879956	7.774	ppbv		97
77) 1,2-Dichlorobenzene	17.99	146	2539300	10.621	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	800409	4.359	ppbv		99
79) Naphthalene	22.41	128	2738480	7.208	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1025006	8.891	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1318056	7.182	ppbv		99

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

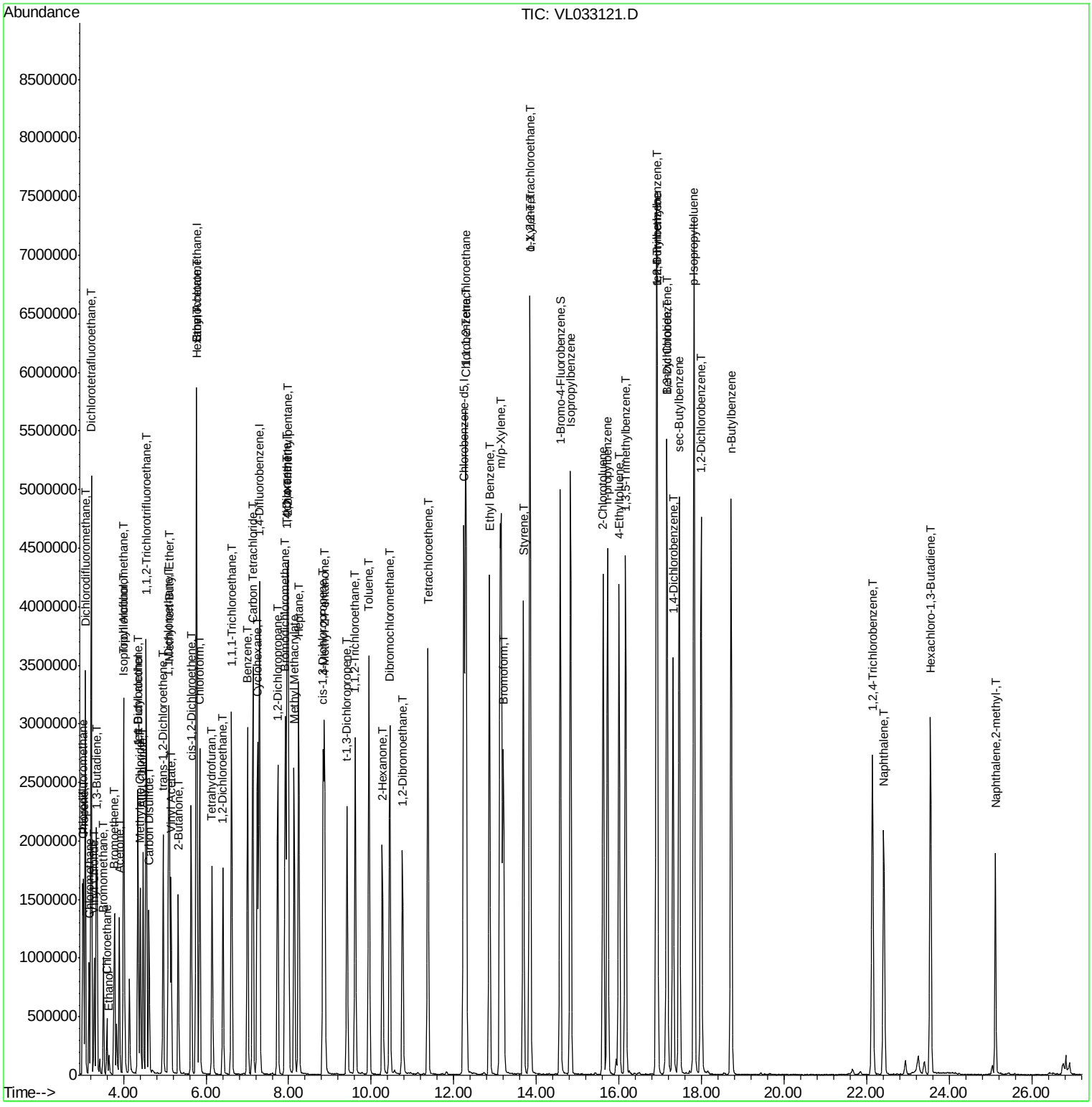
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012819\

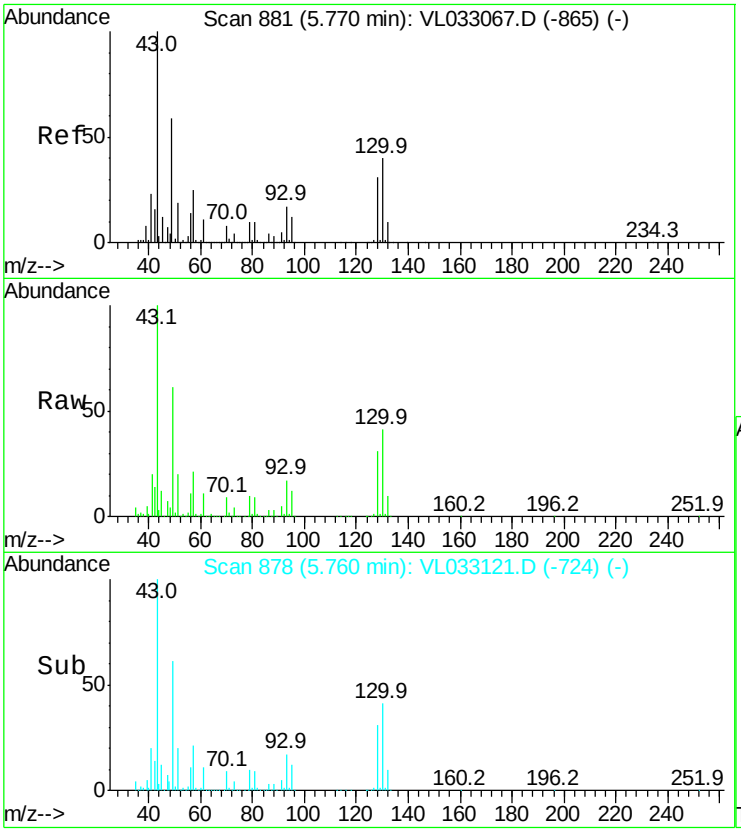
Quantitation Report (Not Reviewed)

Data File : VL033121.D
Acq On : 28 Jan 2019 21:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 28 21:49:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration



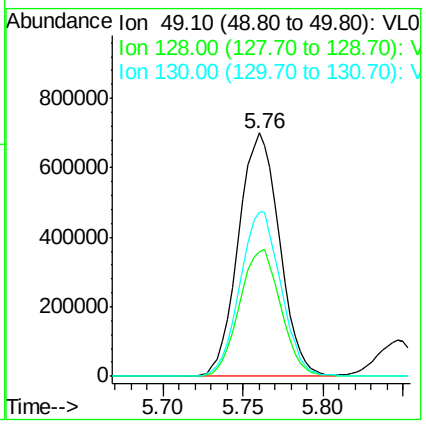


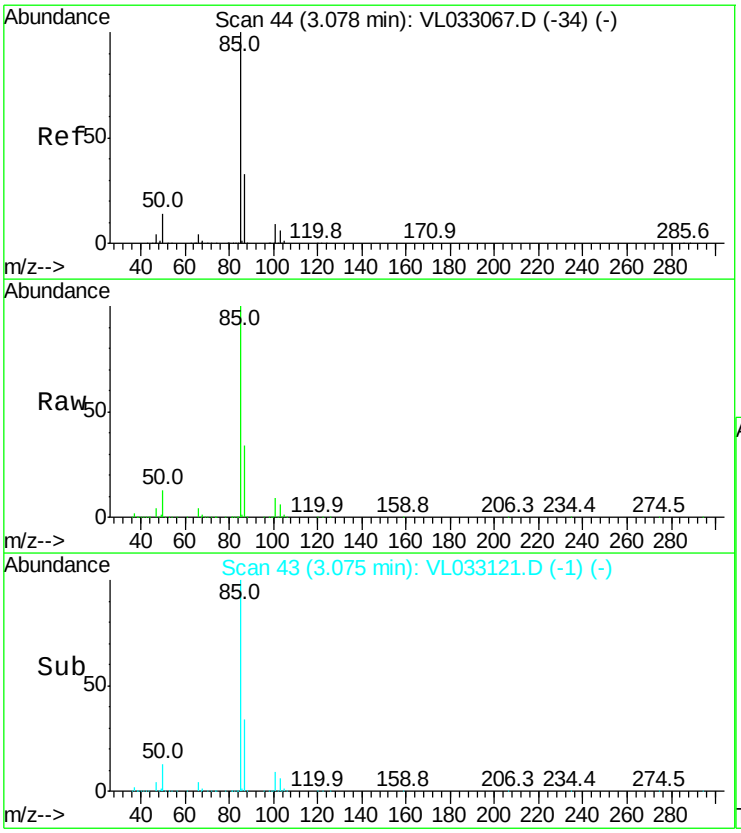
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1227203

Ion	Ratio	Lower	Upper
49	100		
128	52.5	25.9	77.7
130	67.7	32.9	98.7

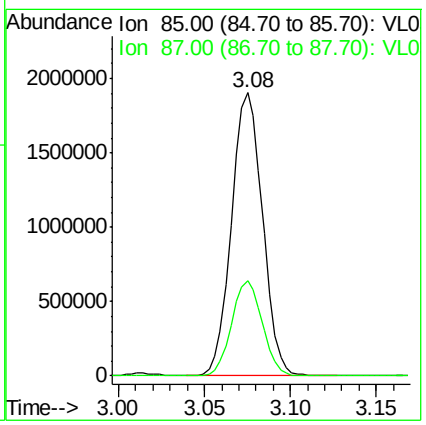


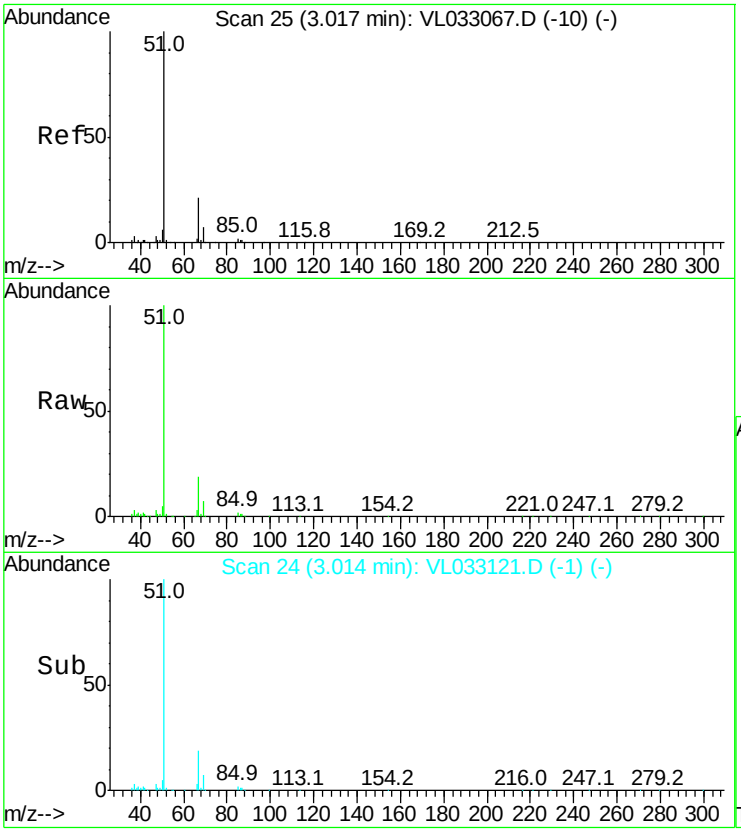


#2
Dichlorodifluoromethane
Concen: 10.508 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 85 Resp: 2399793

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.4	39.6



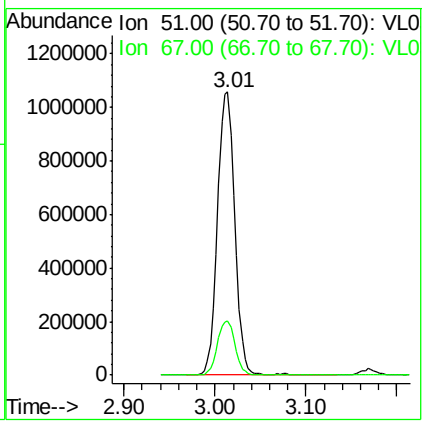


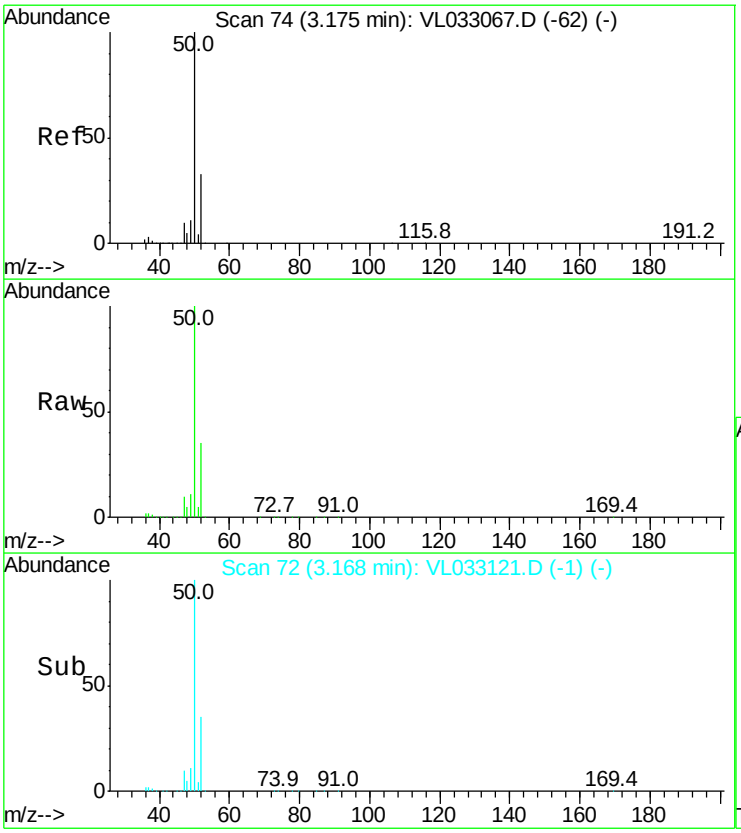
#3
Chlorodifluoromethane
Concen: 10.043 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1395089

Ion	Ratio	Lower	Upper
51	100		
67	19.5	16.2	24.2

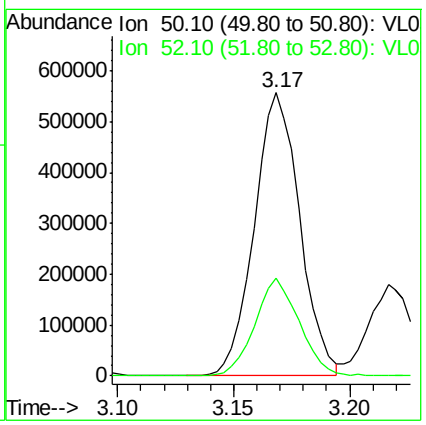


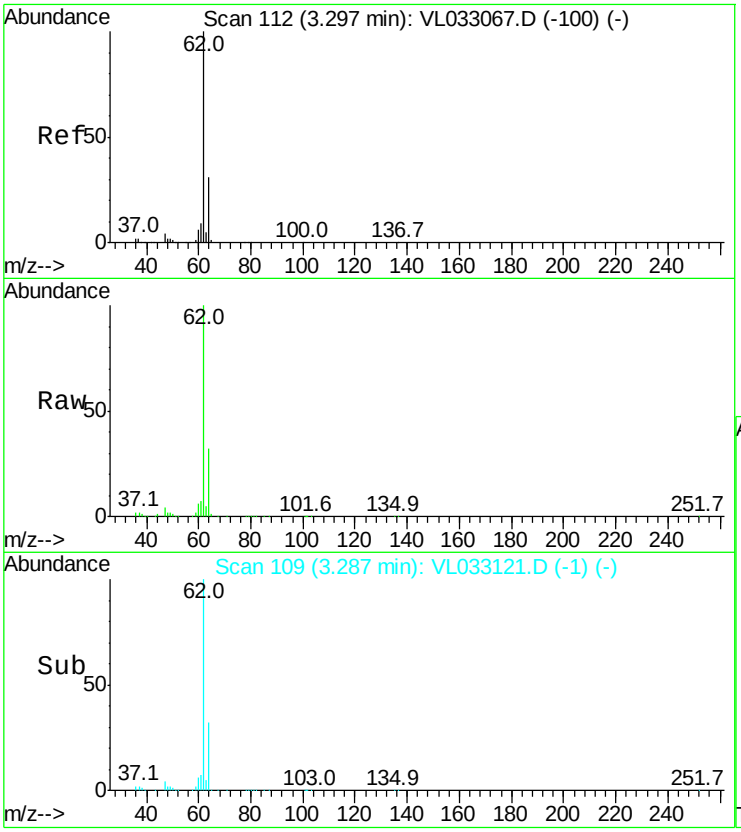


#4
Chloromethane
Concen: 9.559 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 50 Resp: 760548

Ion	Ratio	Lower	Upper
50	100		
52	34.7	27.0	40.4



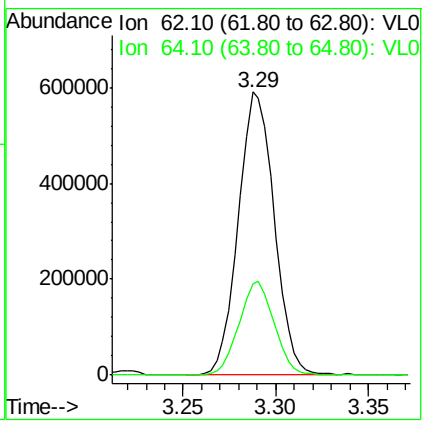


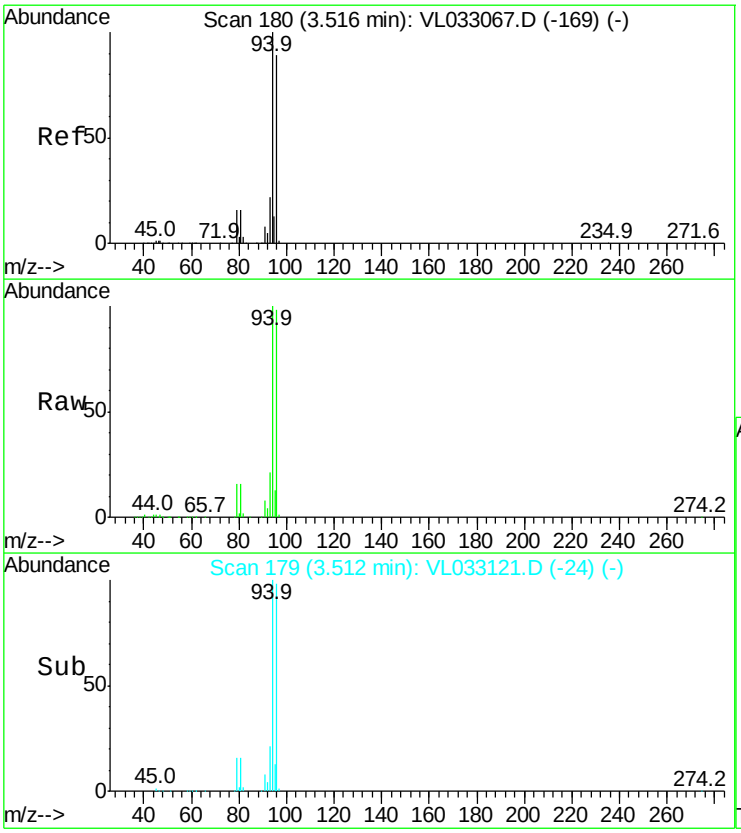
#5
Vinyl Chloride
Concen: 9.894 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 795070

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.7	38.5

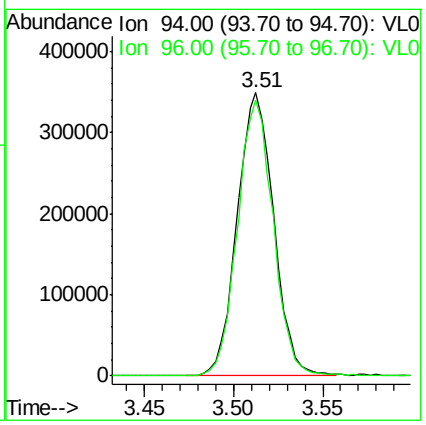


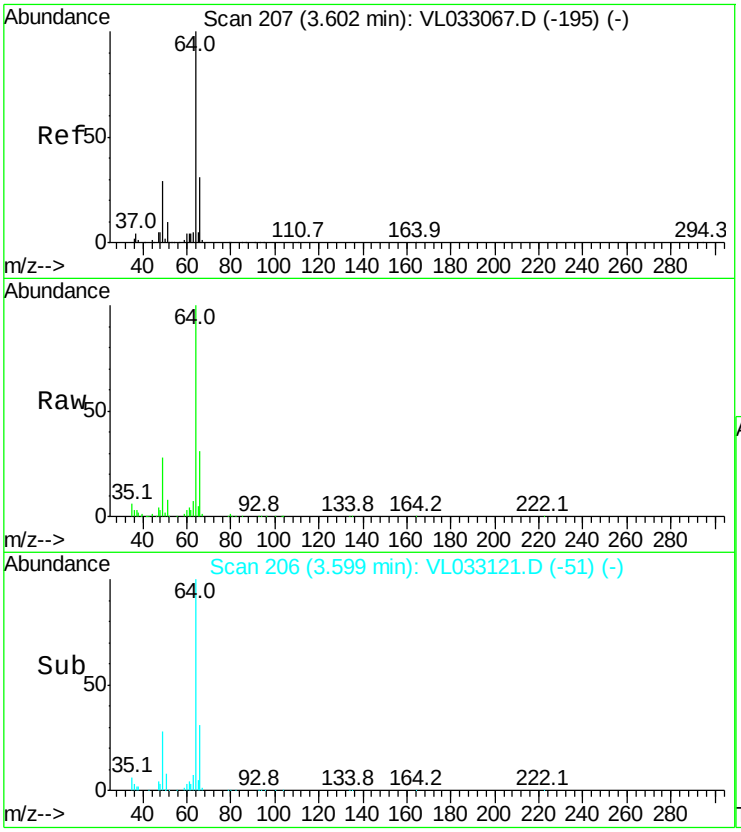


#6
Bromomethane
Concen: 9.110 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 94 Resp: 497316

Ion	Ratio	Lower	Upper
94	100		
96	97.6	75.4	113.2



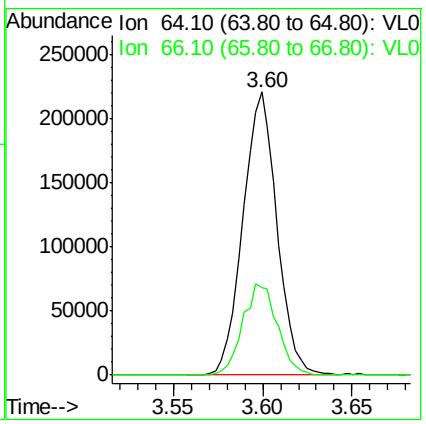


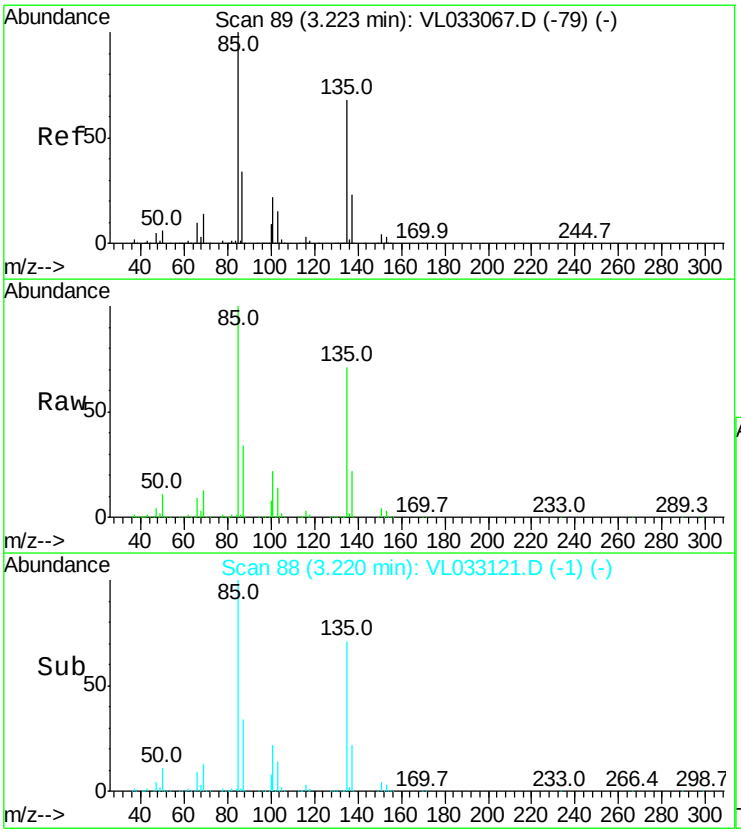
#7
Chloroethane
Concen: 9.323 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 292953

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.0	36.0

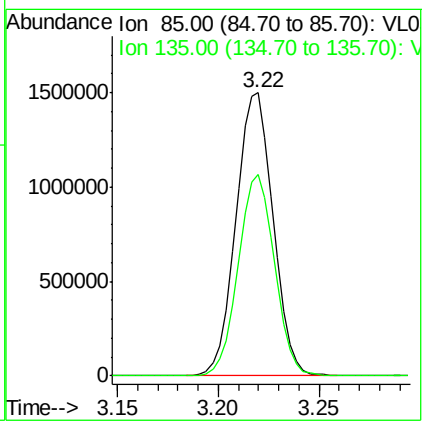


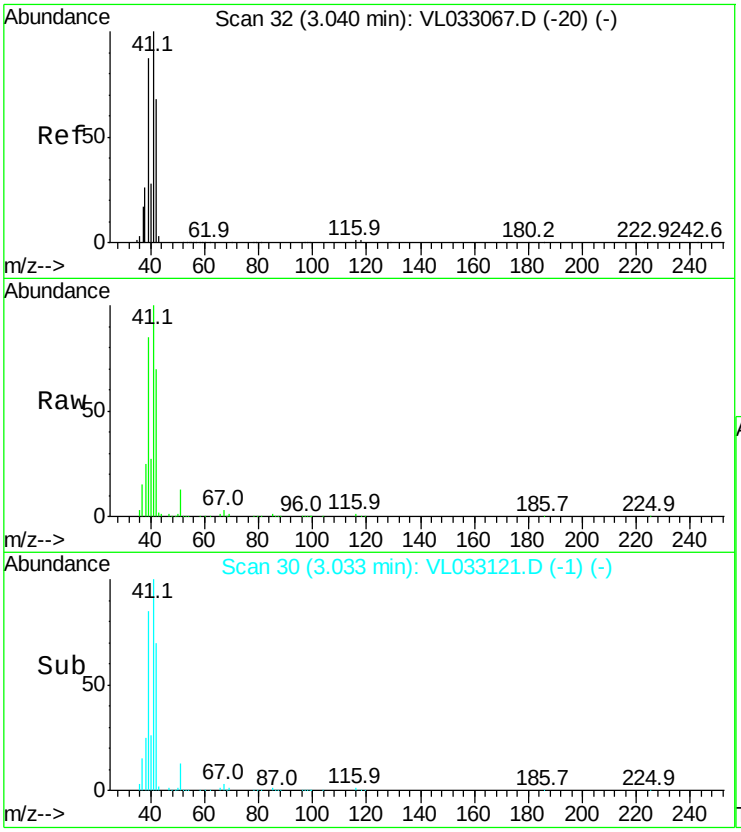


#8
Dichlorotetrafluoroethane
Concen: 9.851 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 85 Resp: 1937950

Ion	Ratio	Lower	Upper
85	100		
135	69.7	54.8	82.2



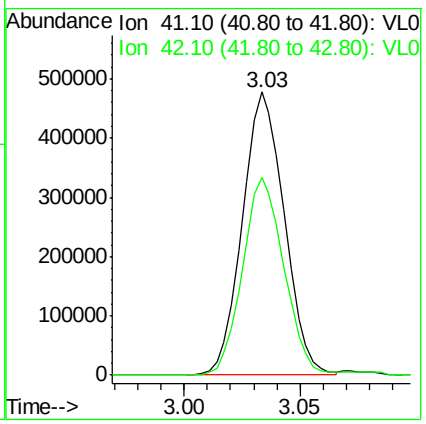


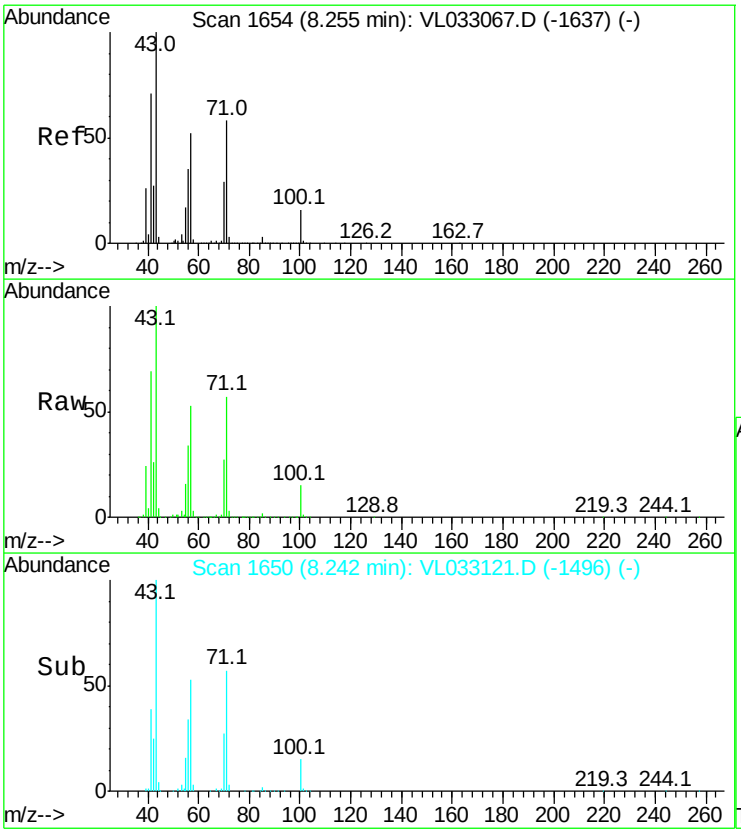
#9
Propene
Concen: 11.561 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 599970

Ion	Ratio	Lower	Upper
41	100		
42	70.2	54.6	82.0

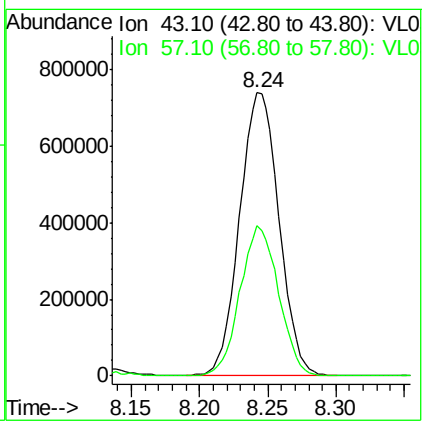


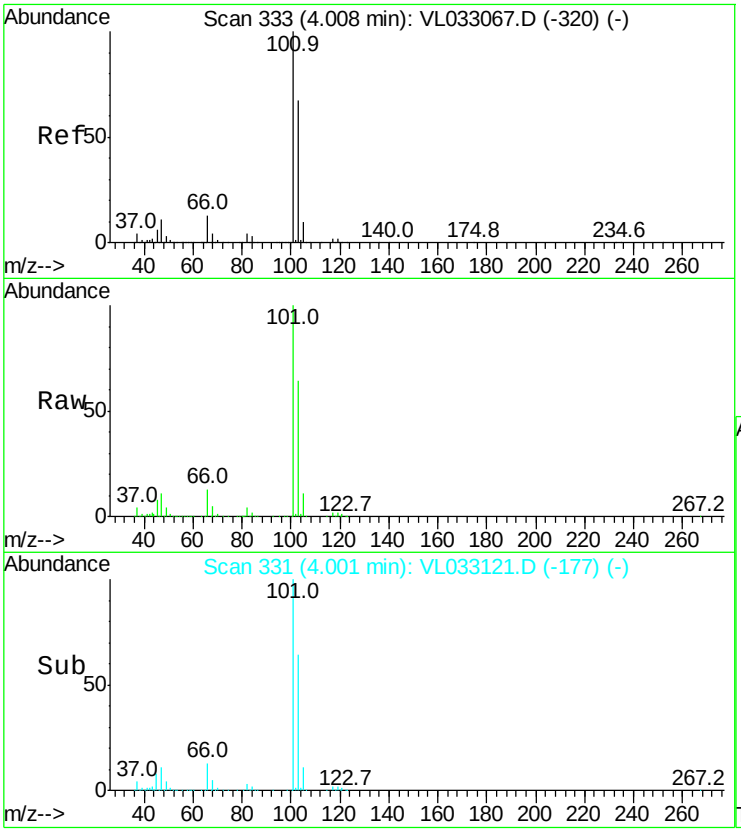


#10
Heptane
Concen: 9.982 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 43 Resp: 1474864

Ion	Ratio	Lower	Upper
43	100		
57	52.0	42.2	63.2



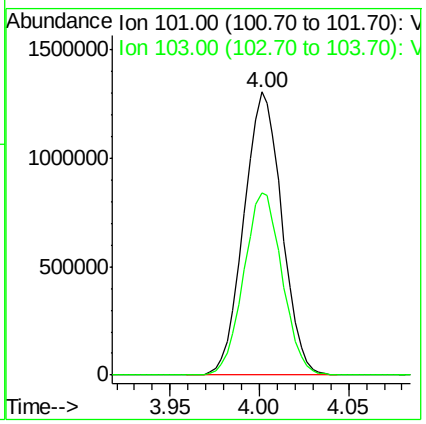


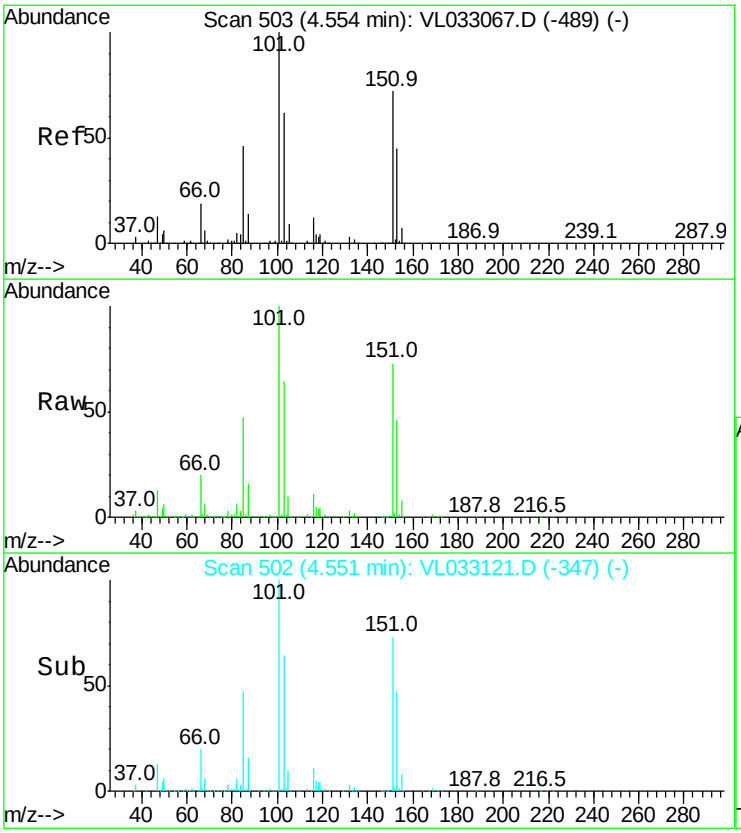
#11
Trichlorofluoromethane
Concen: 7.725 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1949577

Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.4	74.0

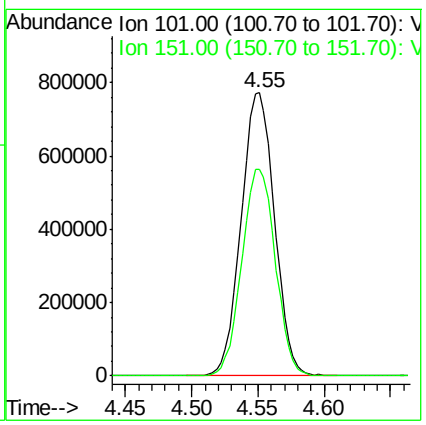


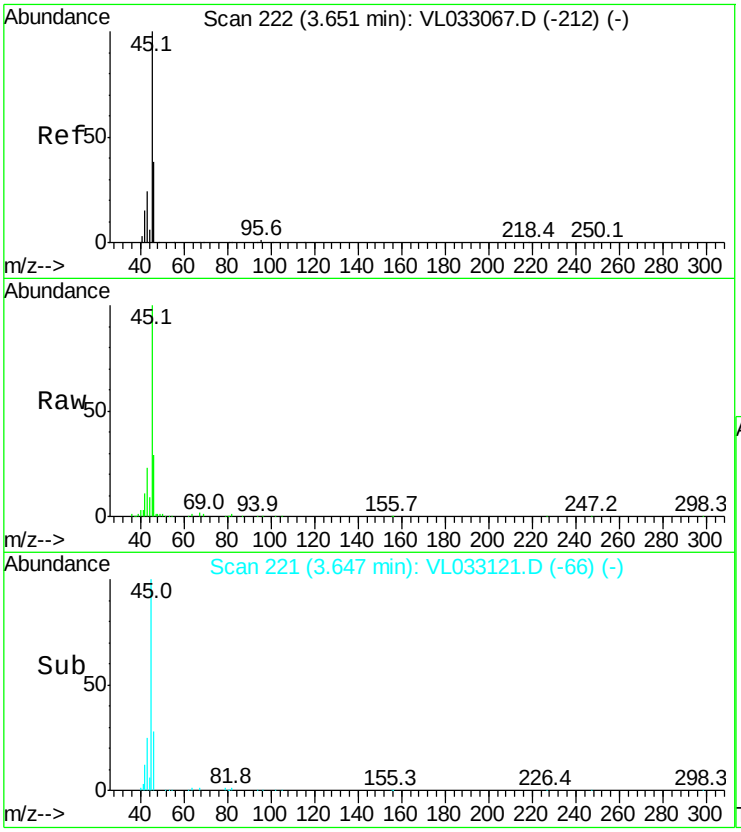


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.475 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:101 Resp: 1352326

Ion	Ratio	Lower	Upper
101	100		
151	73.6	57.9	86.9



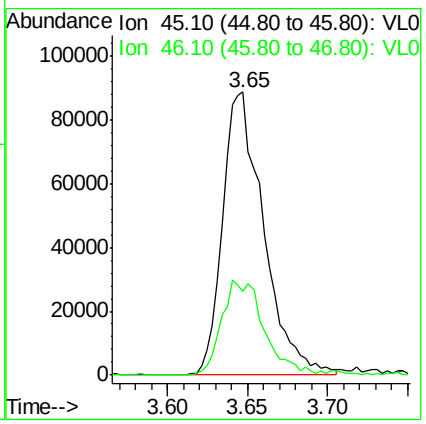


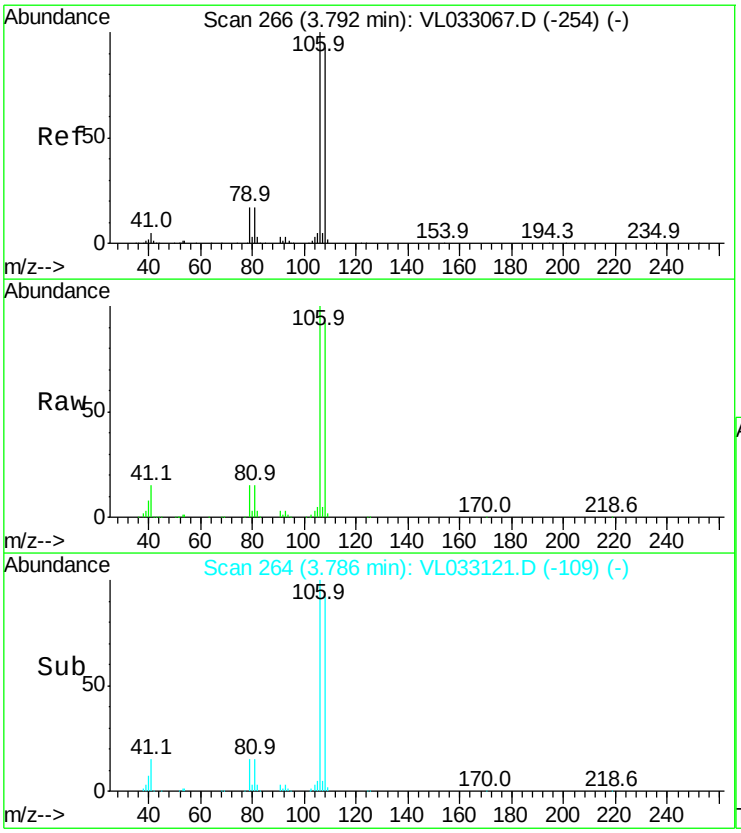
#13
Ethanol
Concen: 7.516 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 155549

Ion	Ratio	Lower	Upper
45	100		
46	35.5	15.0	60.2

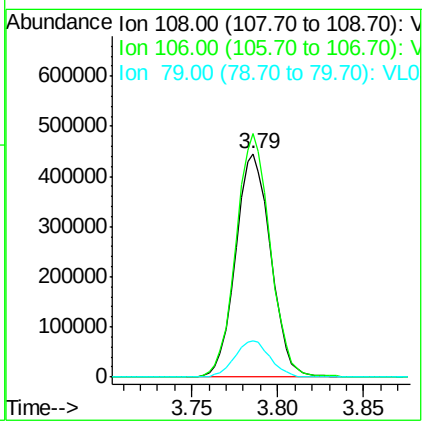


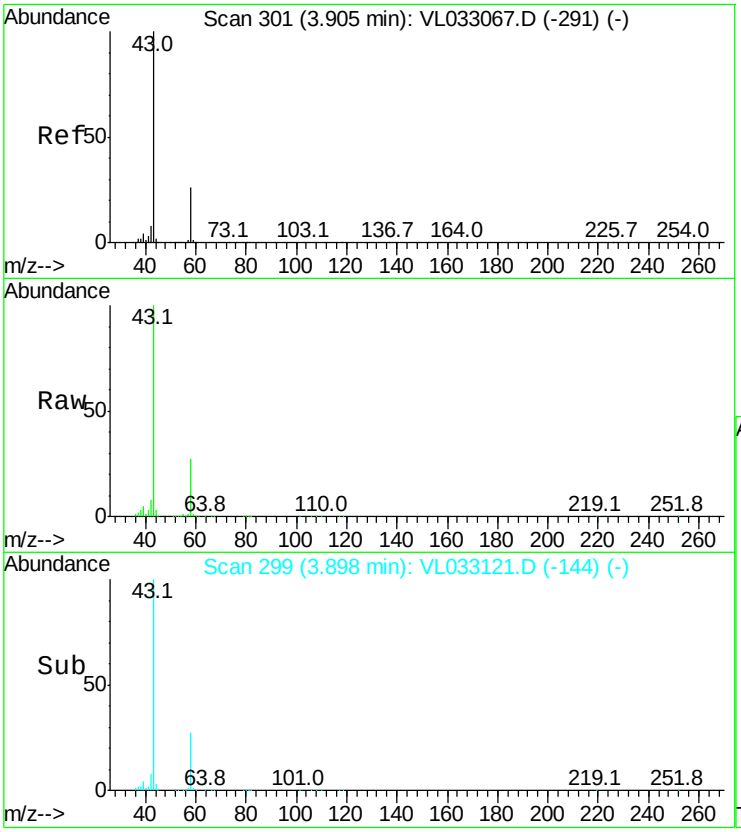


#14
Bromoethene
Concen: 8.960 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:108 Resp: 631516

Ion	Ratio	Lower	Upper
108	100		
106	107.0	85.5	128.3
79	16.9	13.8	20.6



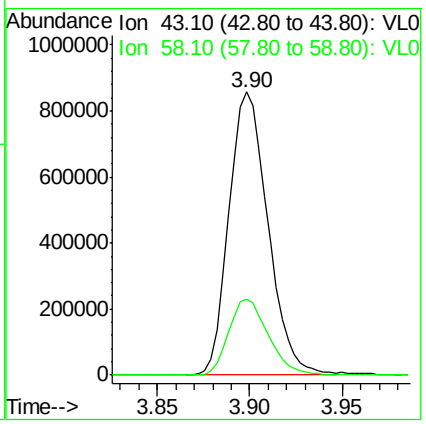


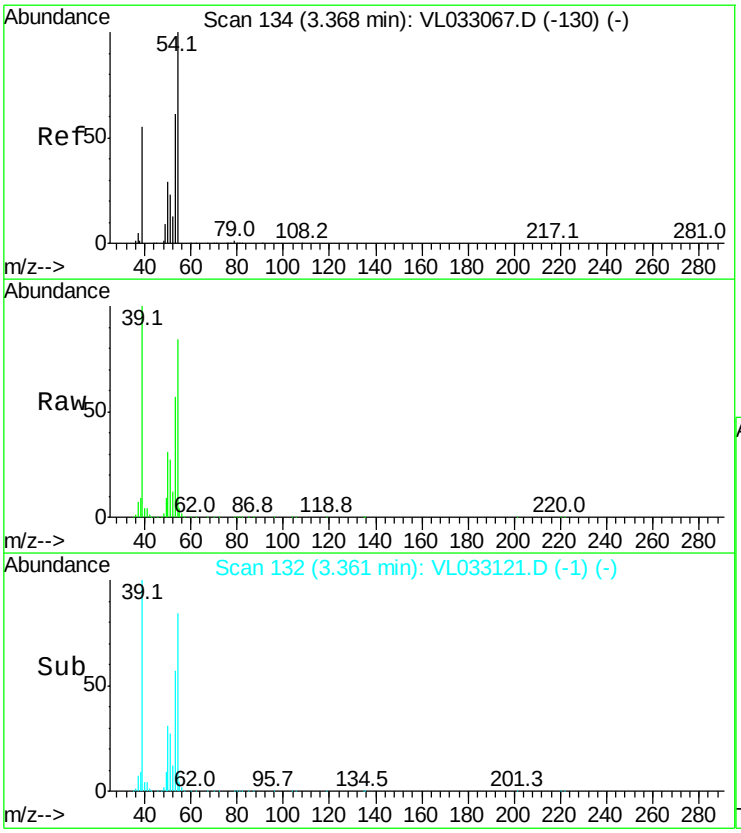
#15
Acetone
Concen: 7.378 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1253216

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.1	31.7

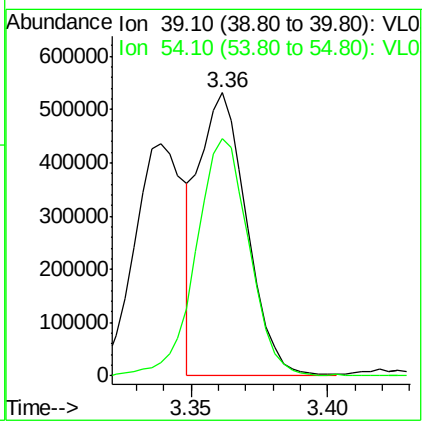


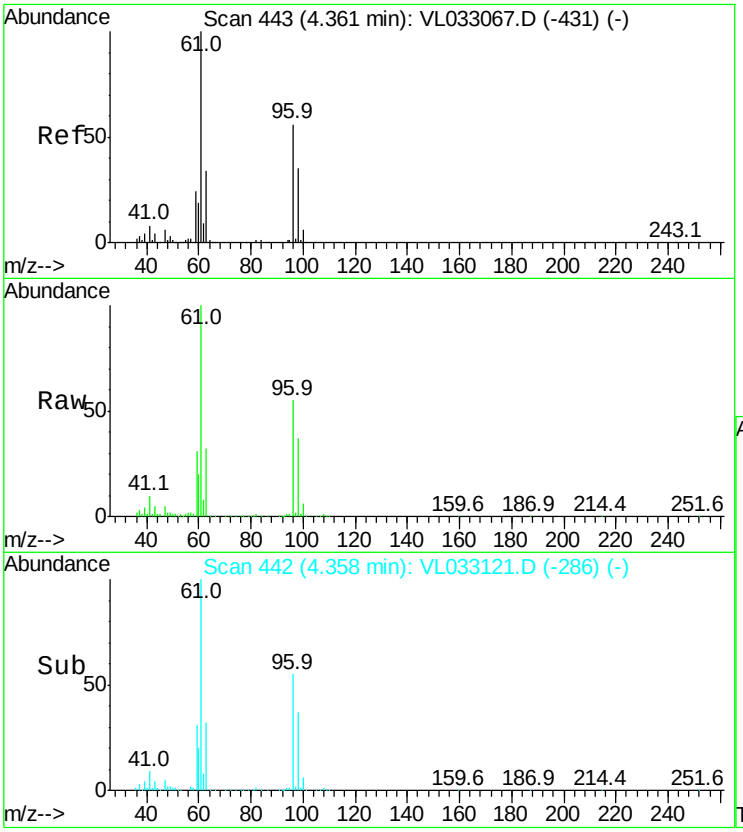


#16
1,3-Butadiene
Concen: 10.036 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 39 Resp: 642828

Ion	Ratio	Lower	Upper
39	100		
54	94.1	80.0	120.0



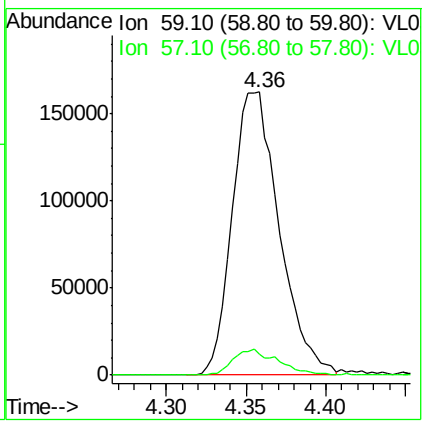


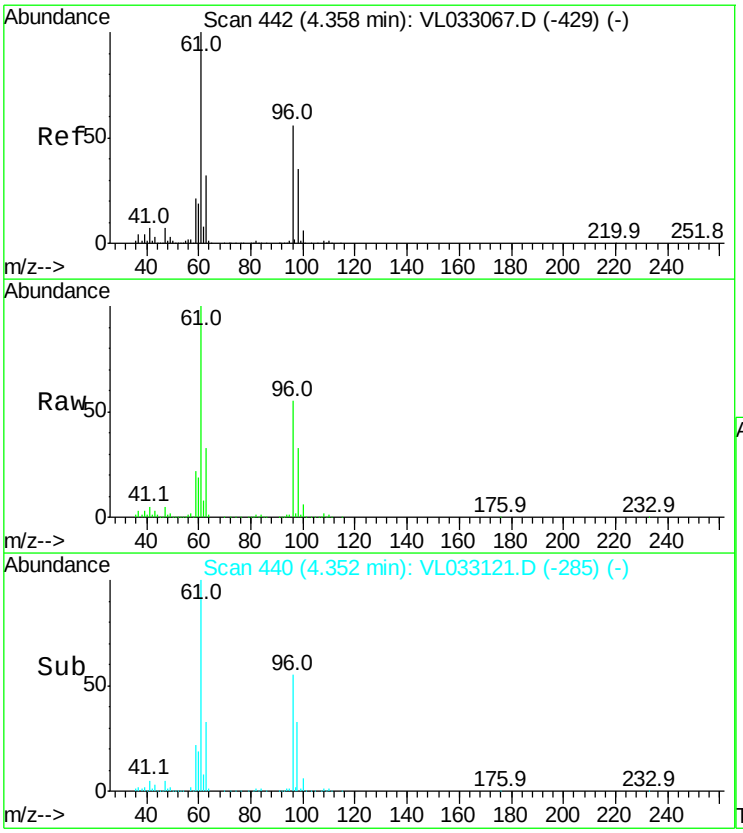
#17
tert-Butyl alcohol
Concen: 9.057 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 325896

Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.2

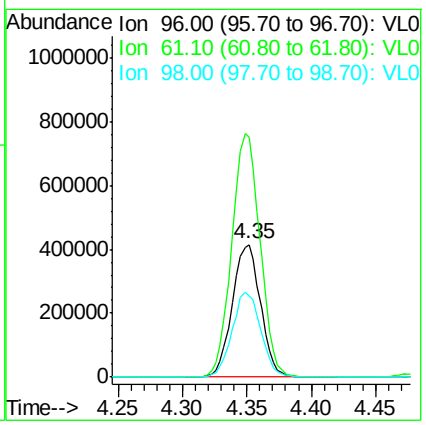


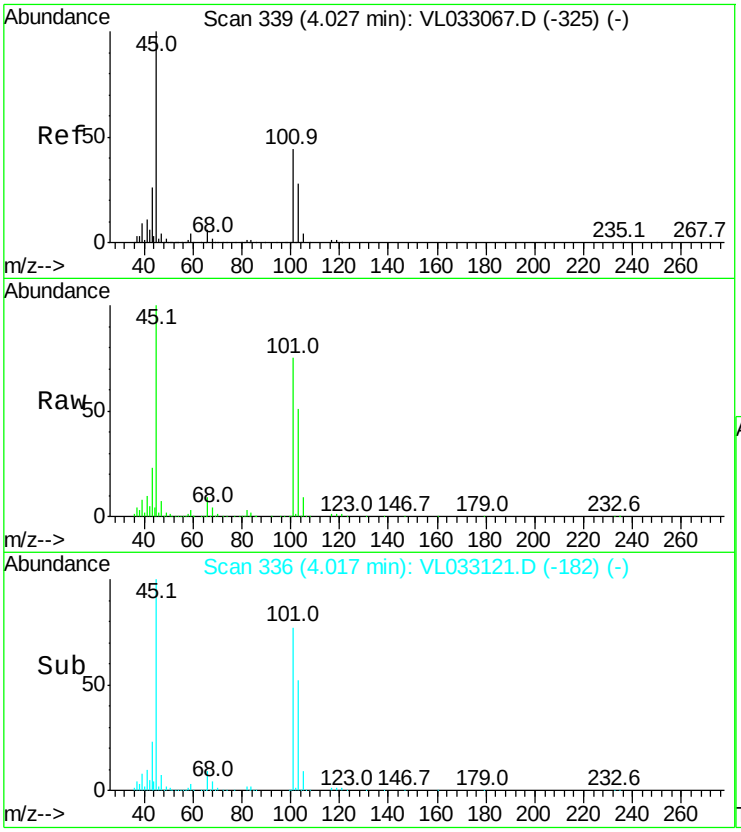


#18
1,1-Dichloroethene
Concen: 8.595 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 96 Resp: 631741

Ion	Ratio	Lower	Upper
96	100		
61	181.6	142.6	213.8
98	60.8	51.4	77.0



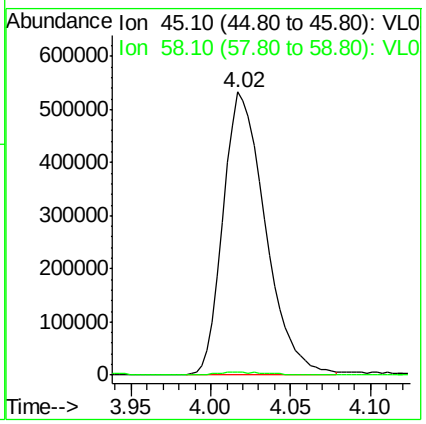


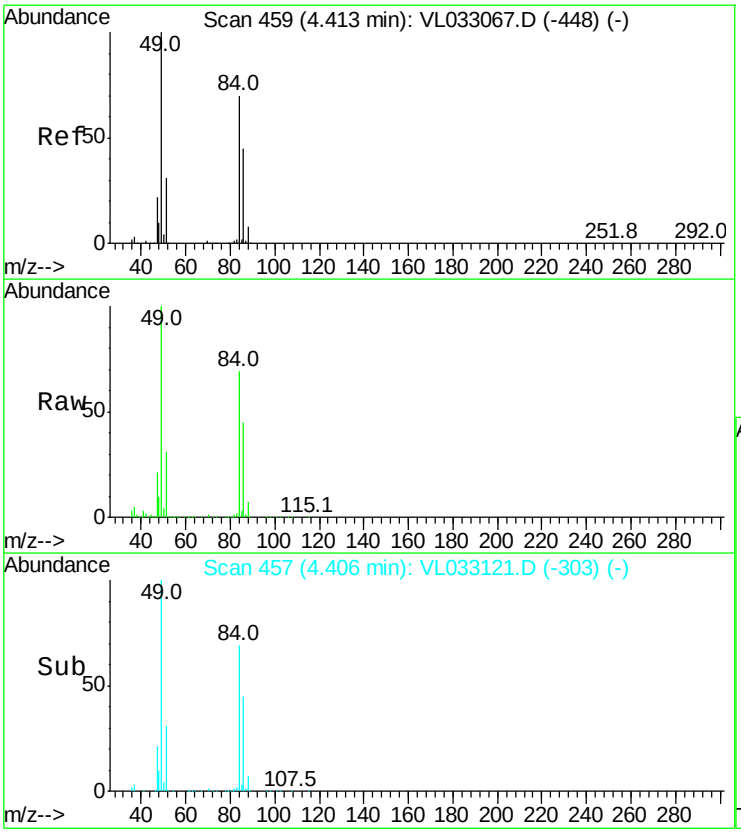
#19
Isopropyl Alcohol
Concen: 8.223 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 961581

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.4	2.2

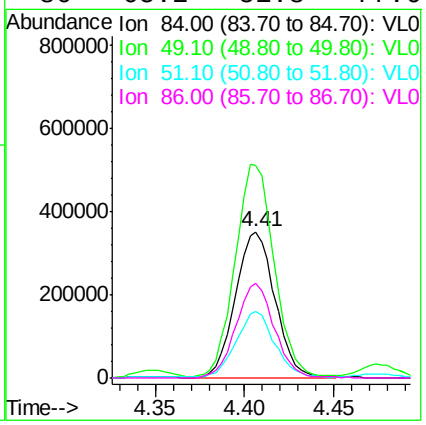


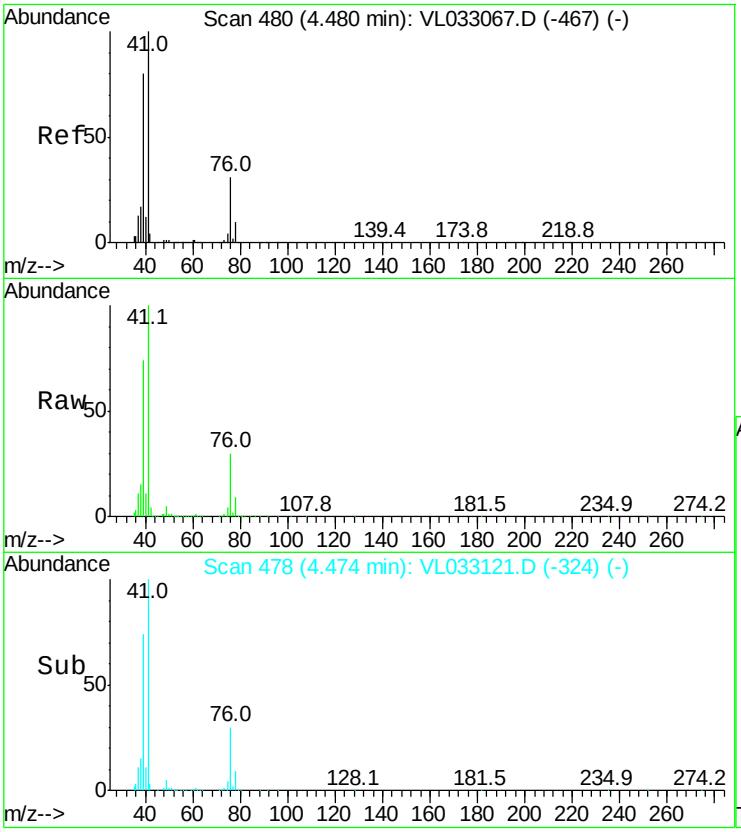


#20
Methylene Chloride
Concen: 7.652 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 84 Resp: 541851

Ion	Ratio	Lower	Upper
84	100		
49	144.7	113.8	170.6
51	45.0	34.5	51.7
86	65.2	51.8	77.6



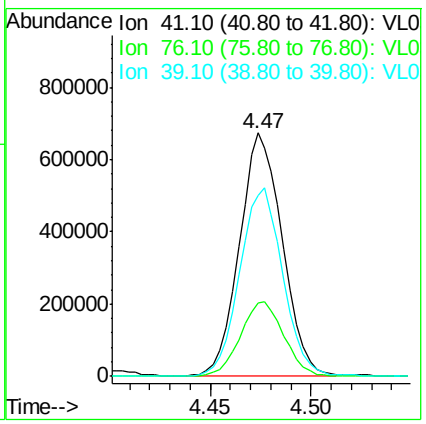


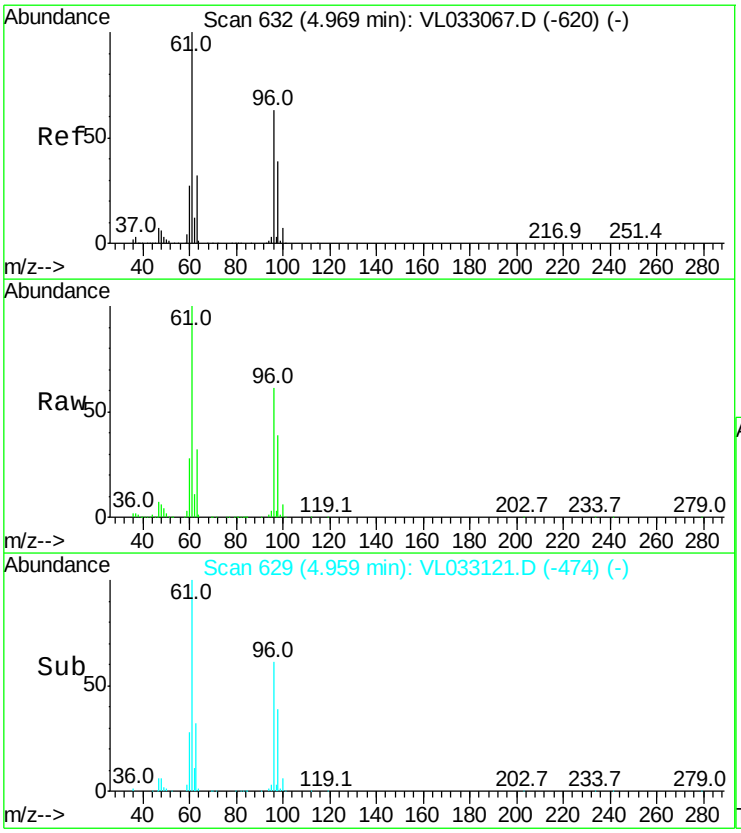
#21
Allyl Chloride
Concen: 9.474 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 997279

Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.6	37.0
39	78.9	63.3	94.9

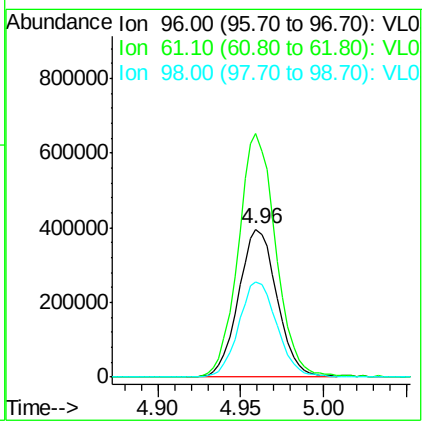


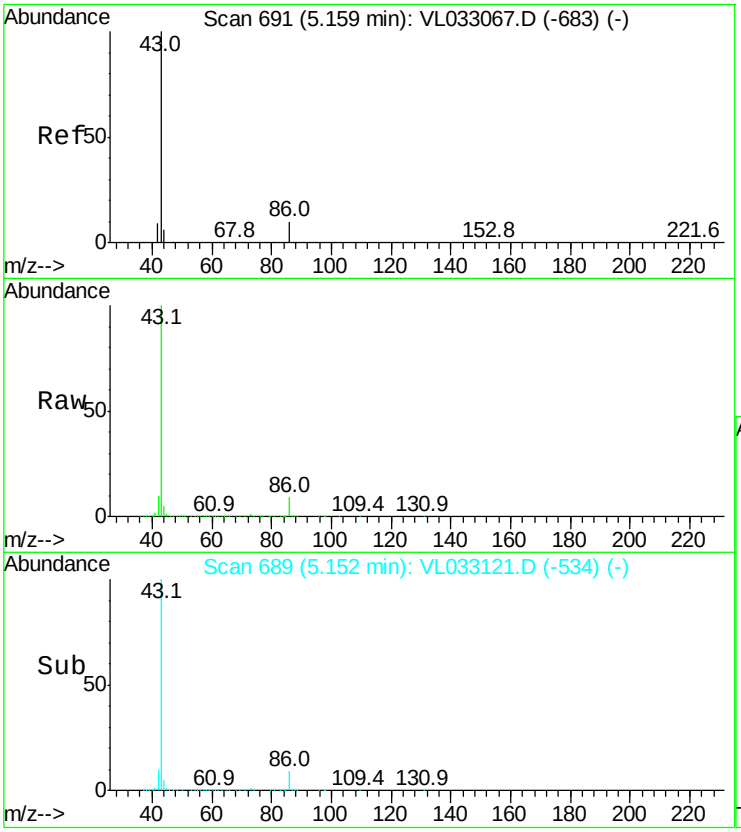


#22
trans-1,2-Dichloroethene
Concen: 8.761 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 96 Resp: 638345

Ion	Ratio	Lower	Upper
96	100		
61	164.3	127.6	191.4
98	64.4	48.6	73.0



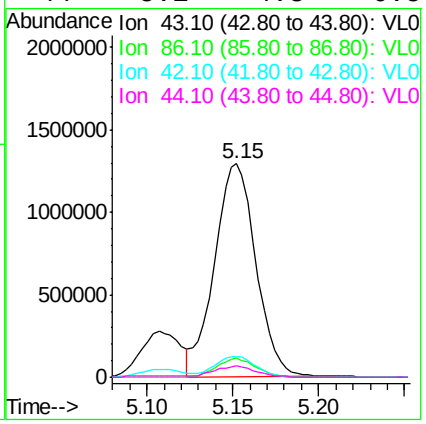


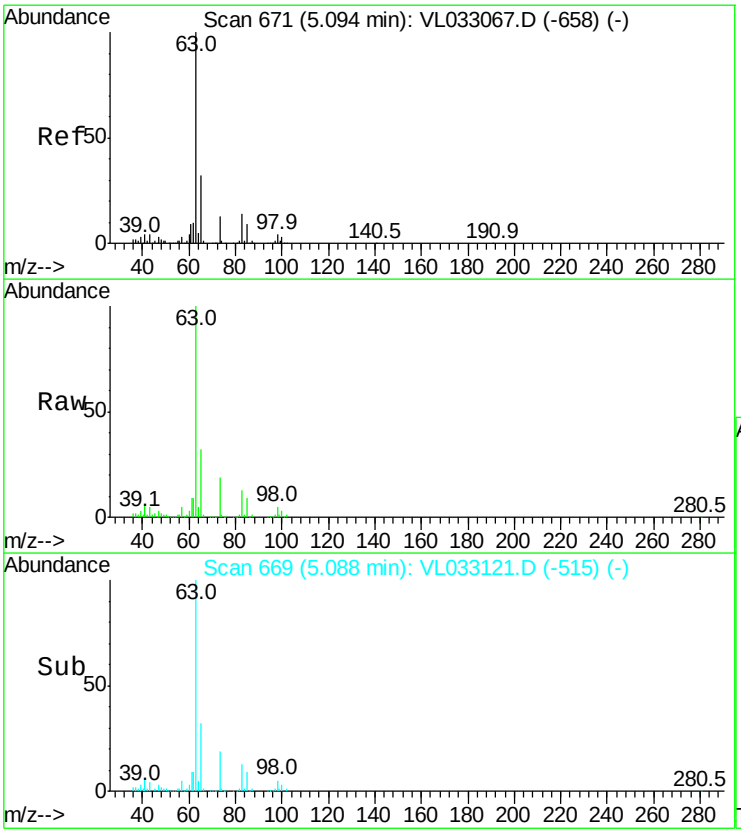
#23
Vinyl Acetate
Concen: 10.016 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2164390

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.7	10.1
42	9.8	8.1	12.1
44	5.1	4.3	6.5

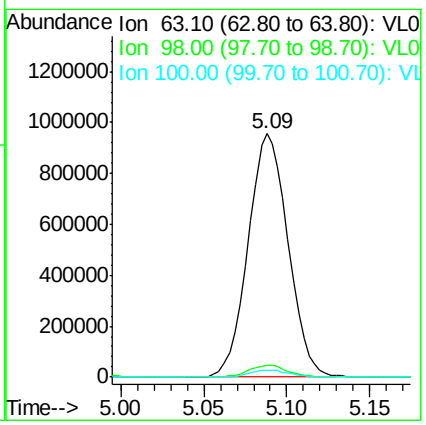


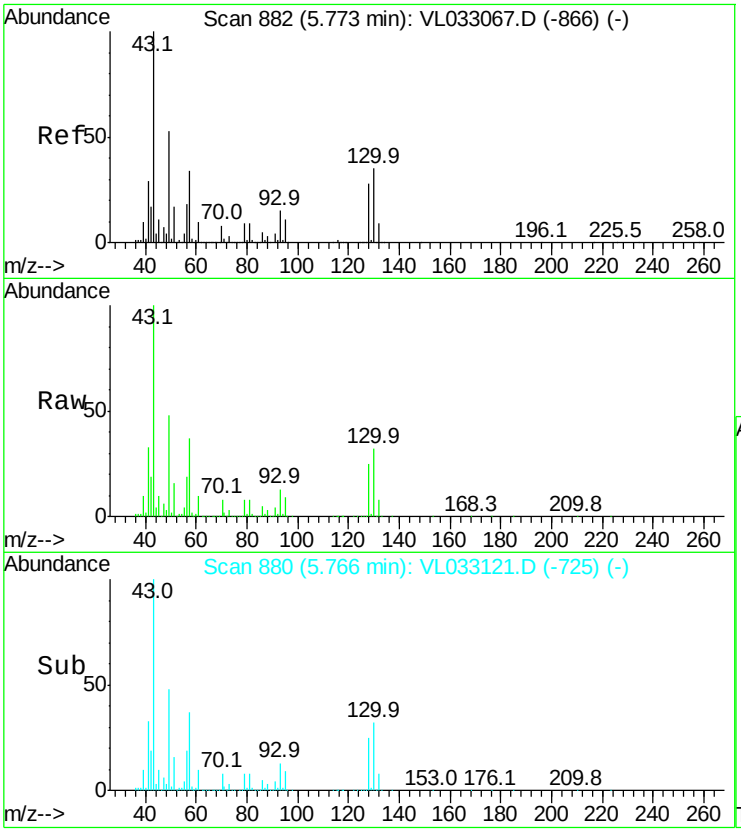


#24
1,1-Dichloroethane
Concen: 8.694 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 63 Resp: 1595133

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	3.0	1.4	4.2



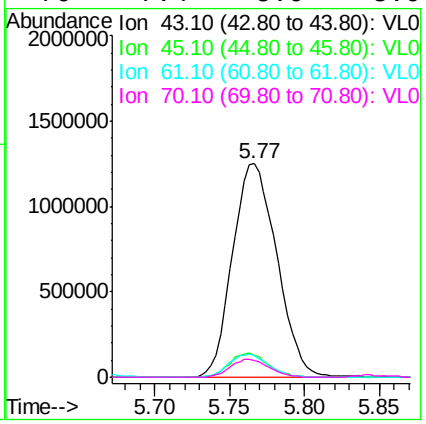


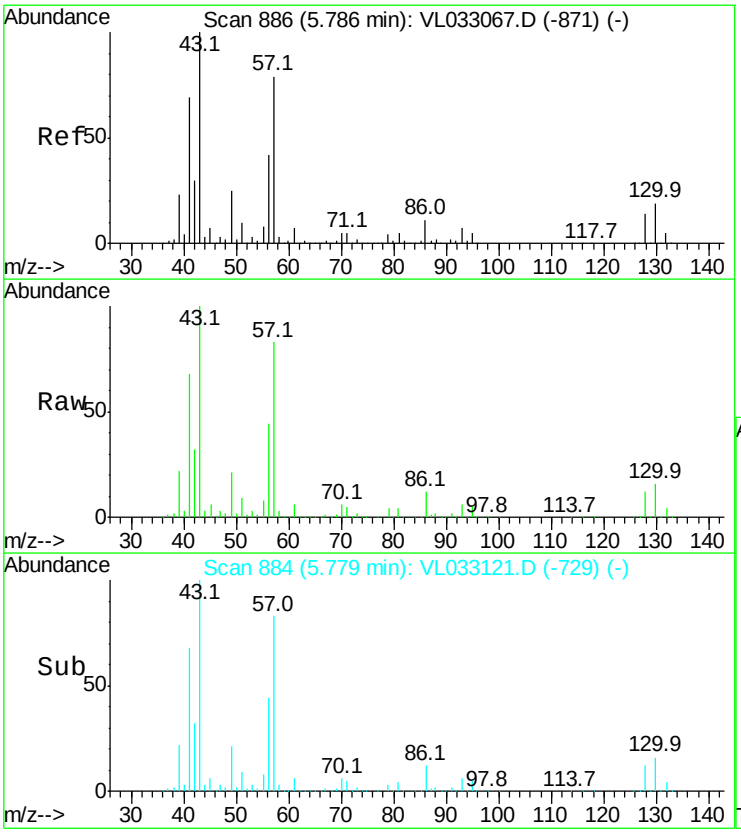
#25
Ethyl Acetate
Concen: 8.954 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2570792

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.6	7.6	11.4
70	7.4	5.9	8.9

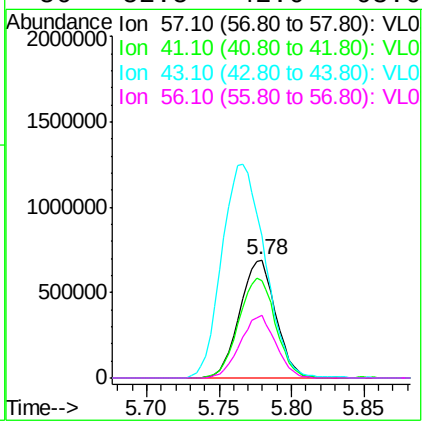


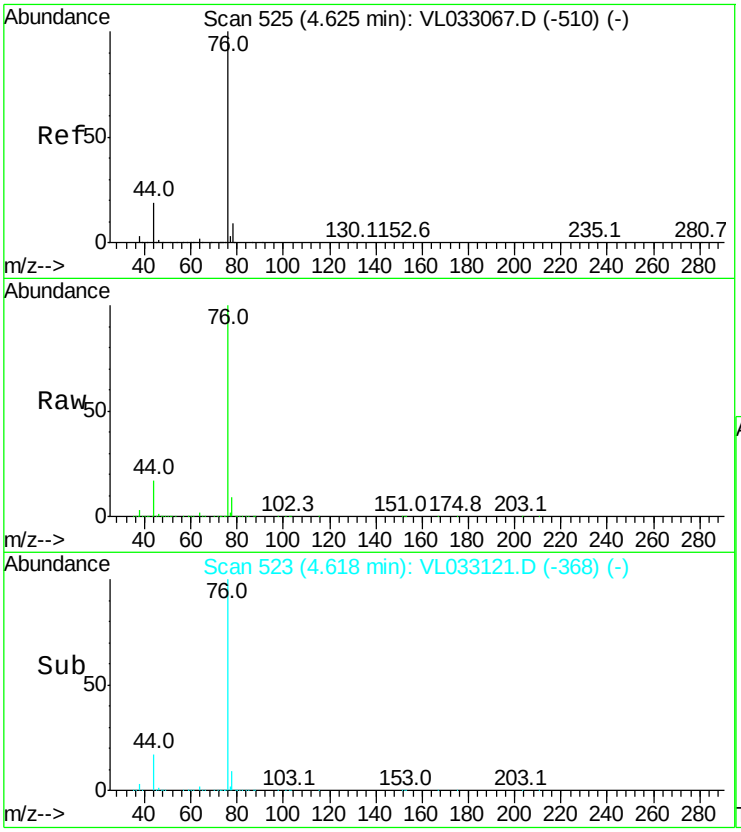


#26
Hexane
Concen: 8.799 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 57 Resp: 1189645

Ion	Ratio	Lower	Upper
57	100		
41	86.9	69.9	104.9
43	217.4	169.0	253.4
56	52.5	42.0	63.0



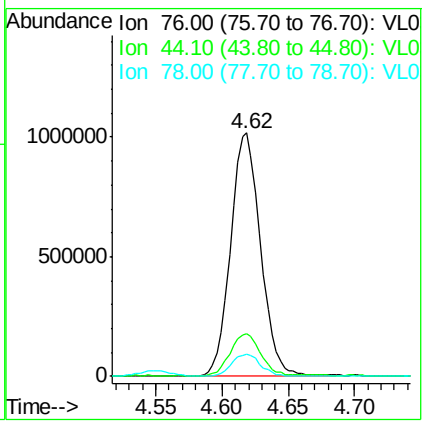


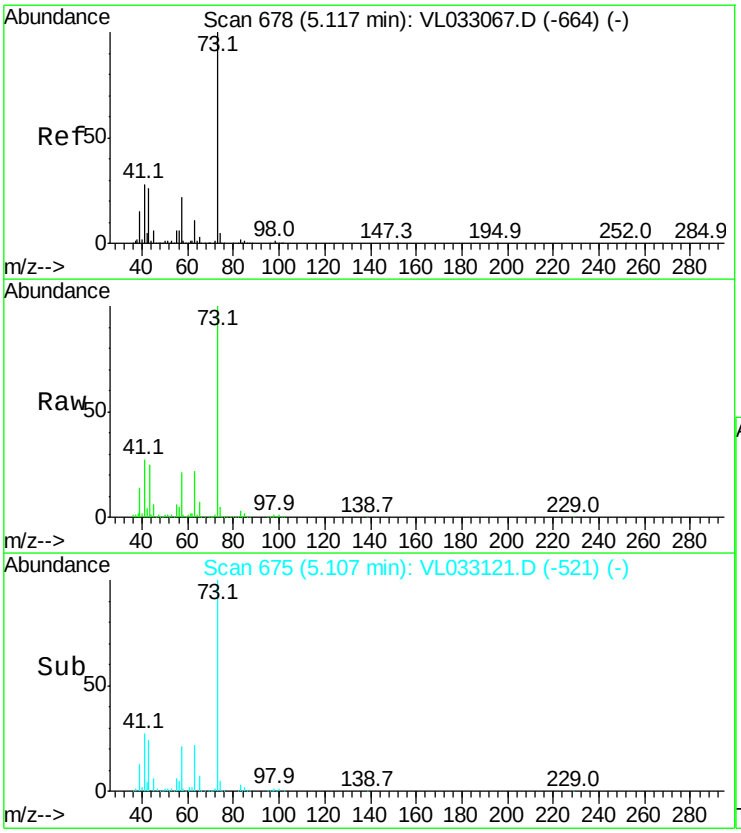
#27
Carbon Disulfide
Concen: 9.598 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1600307

Ion	Ratio	Lower	Upper
76	100		
44	17.8	15.0	22.4
78	9.2	7.6	11.4

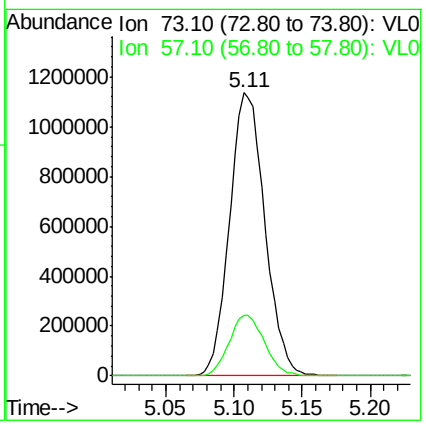


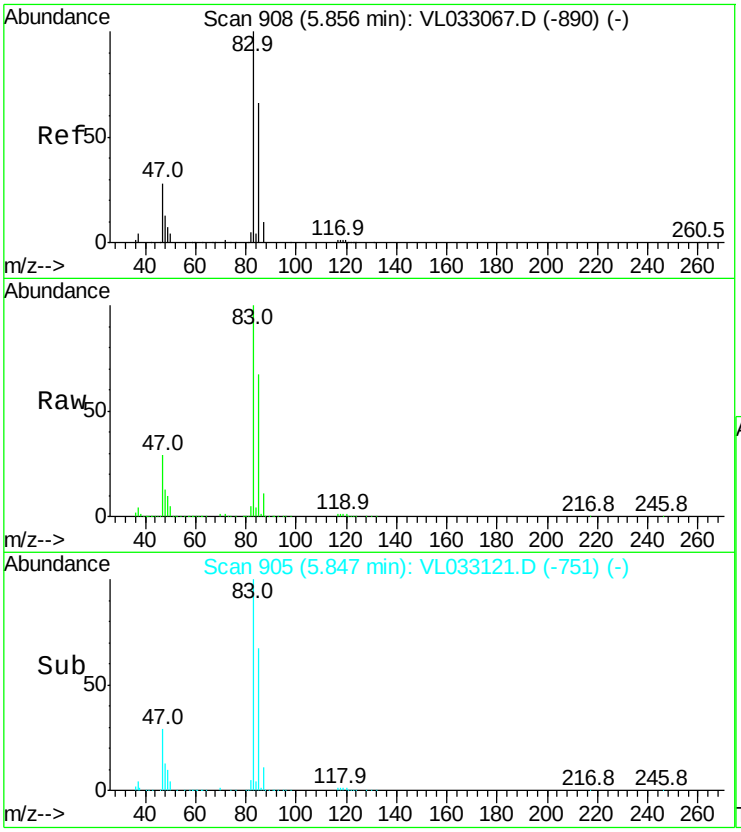


#28
Methyl tert-Butyl Ether
Concen: 9.666 ppbv
RT: 5.11 min Scan# 675
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 73 Resp: 2039713

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



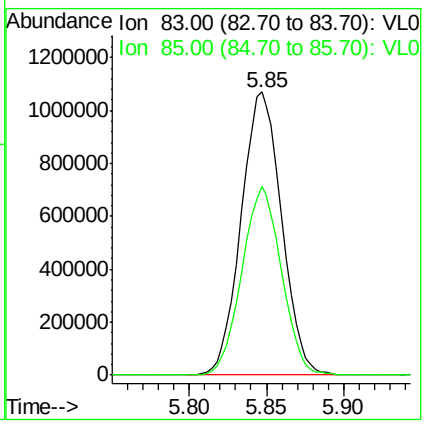


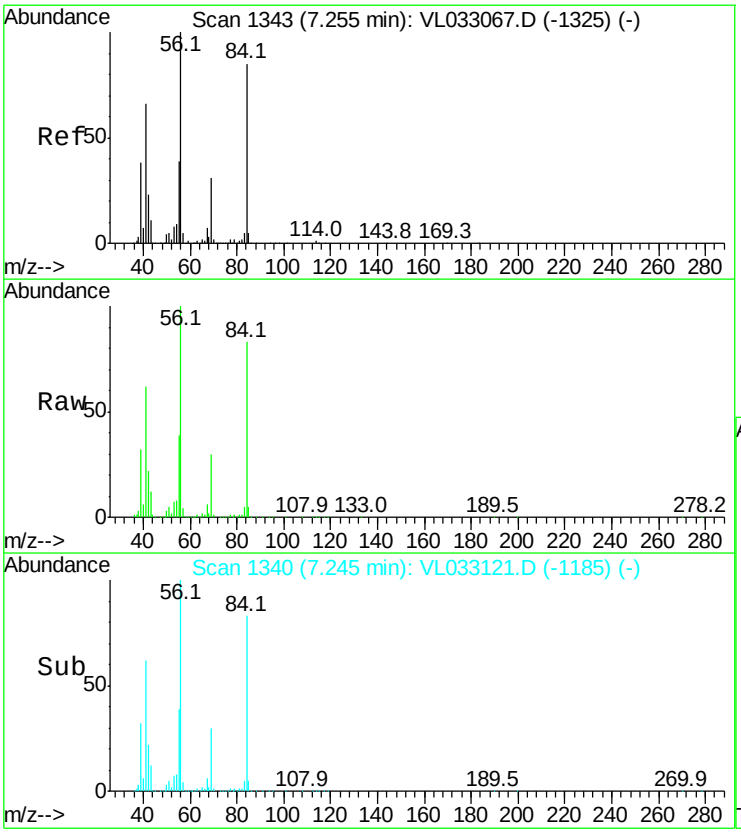
#29
Chloroform
Concen: 8.445 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1945560

Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.4	75.6

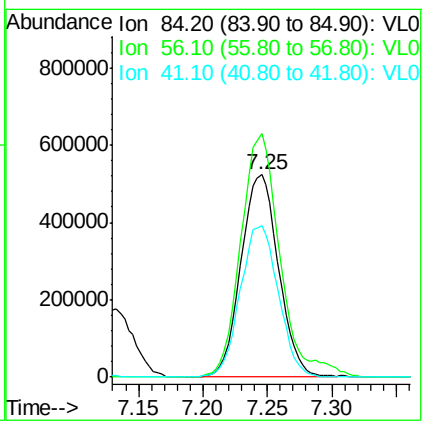


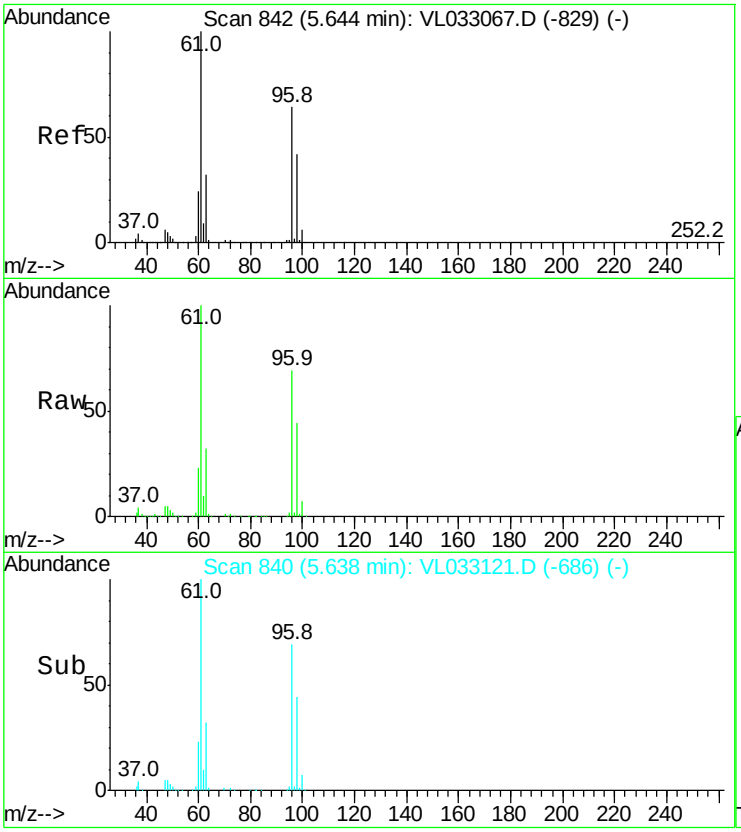


#30
Cyclohexane
Concen: 10.546 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 84 Resp: 1063065

Ion	Ratio	Lower	Upper
84	100		
56	126.1	102.4	153.6
41	76.2	62.7	94.1



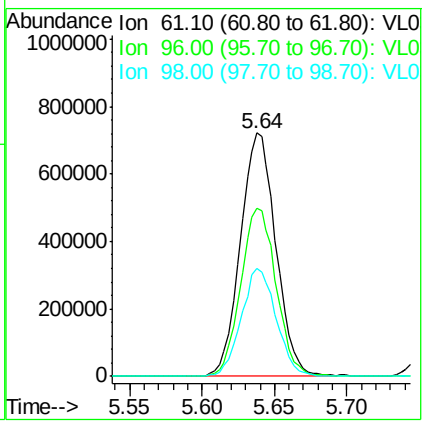


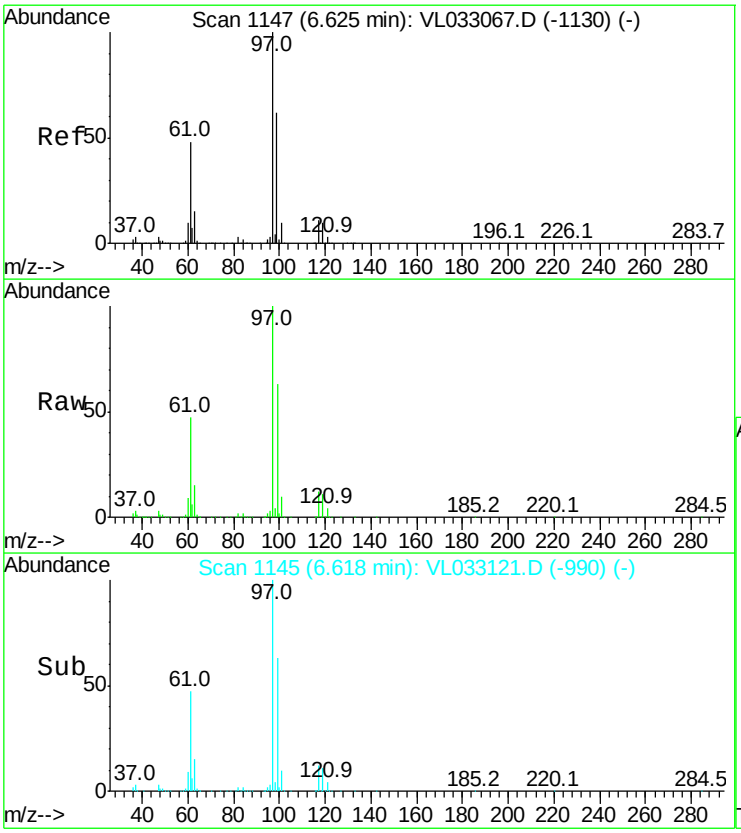
#31
cis-1,2-Dichloroethene
Concen: 9.749 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1223847

Ion	Ratio	Lower	Upper
61	100		
96	69.1	57.6	86.4
98	44.3	37.0	55.4

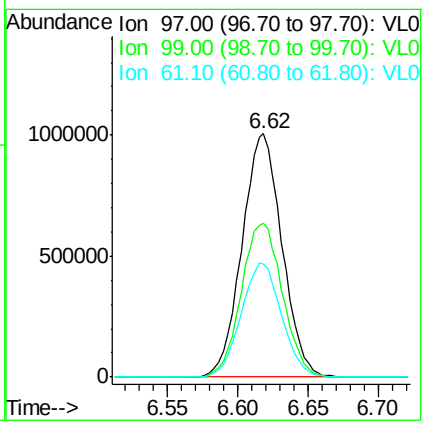


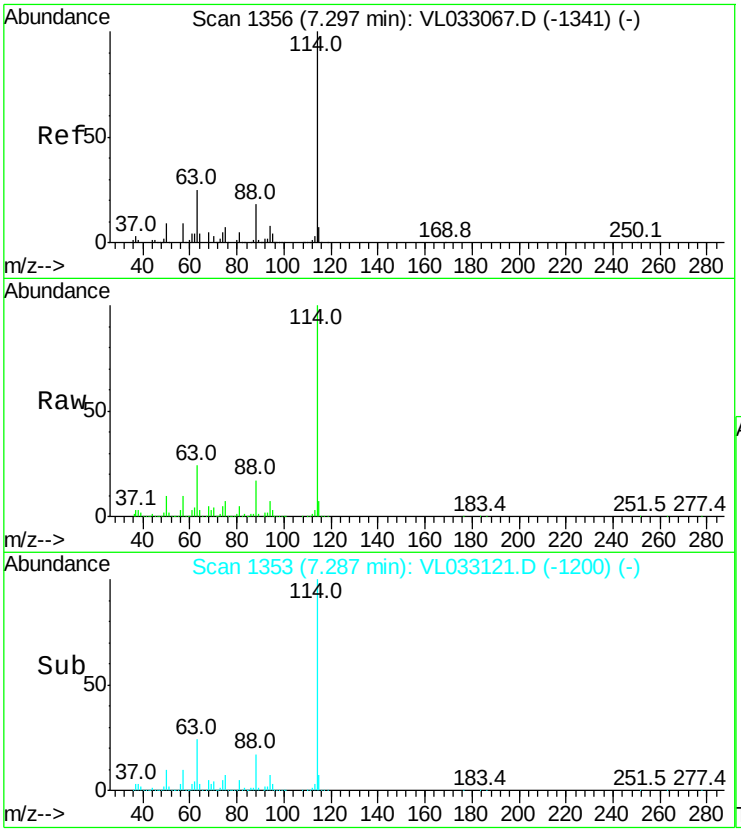


#32
1,1,1-Trichloroethane
Concen: 8.520 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 97 Resp: 1992241

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	47.5	38.6	57.8



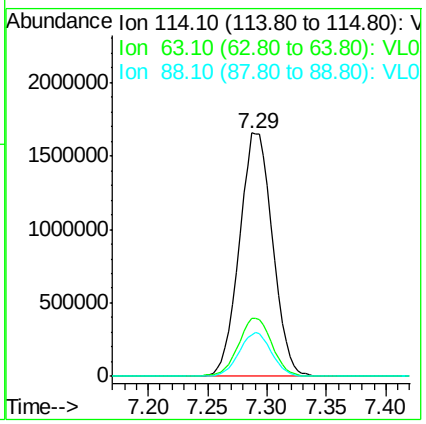


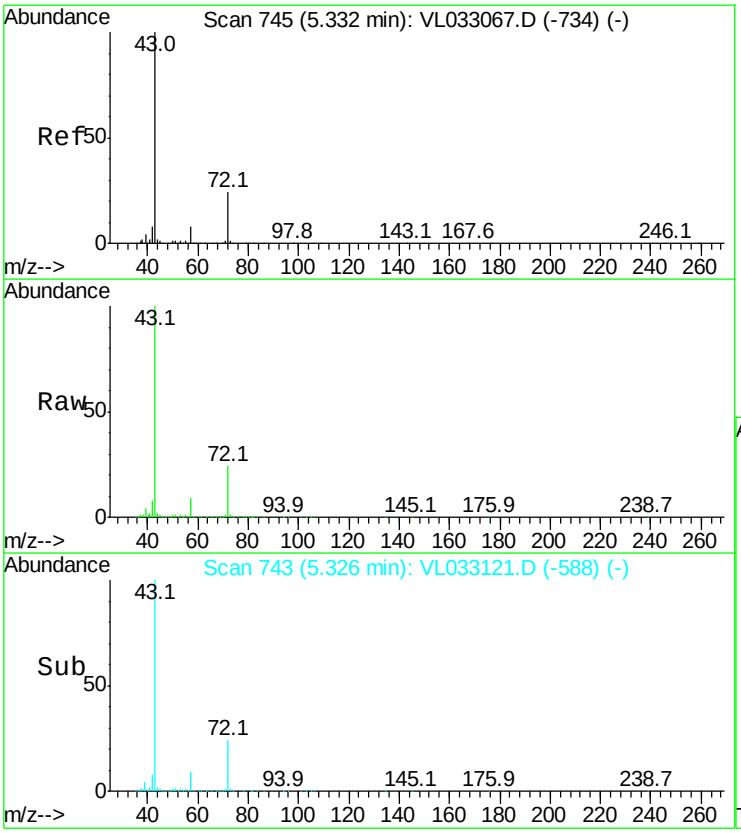
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 3202890

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.8	29.8
88	17.5	14.2	21.2

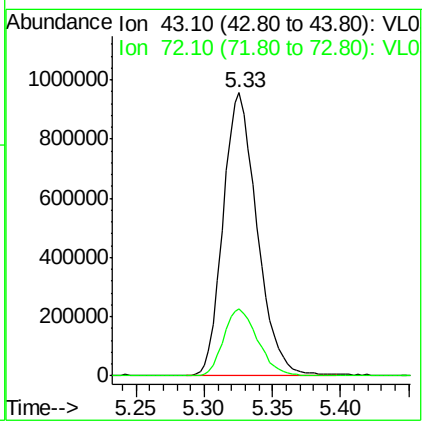


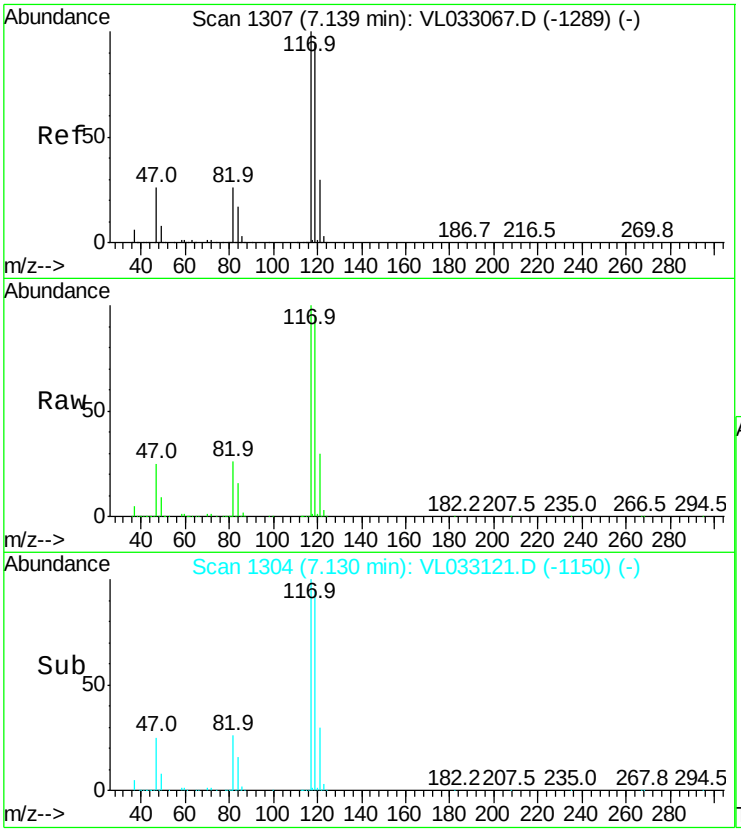


#34
2-Butanone
Concen: 8.834 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 43 Resp: 1644026

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.7	28.1



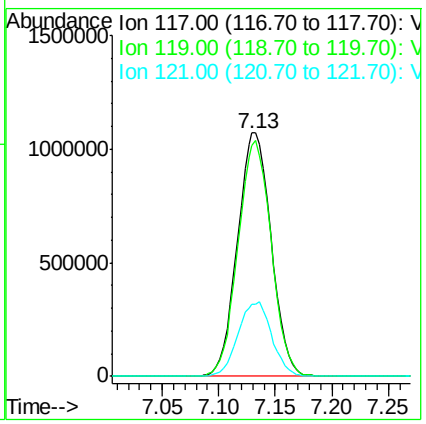


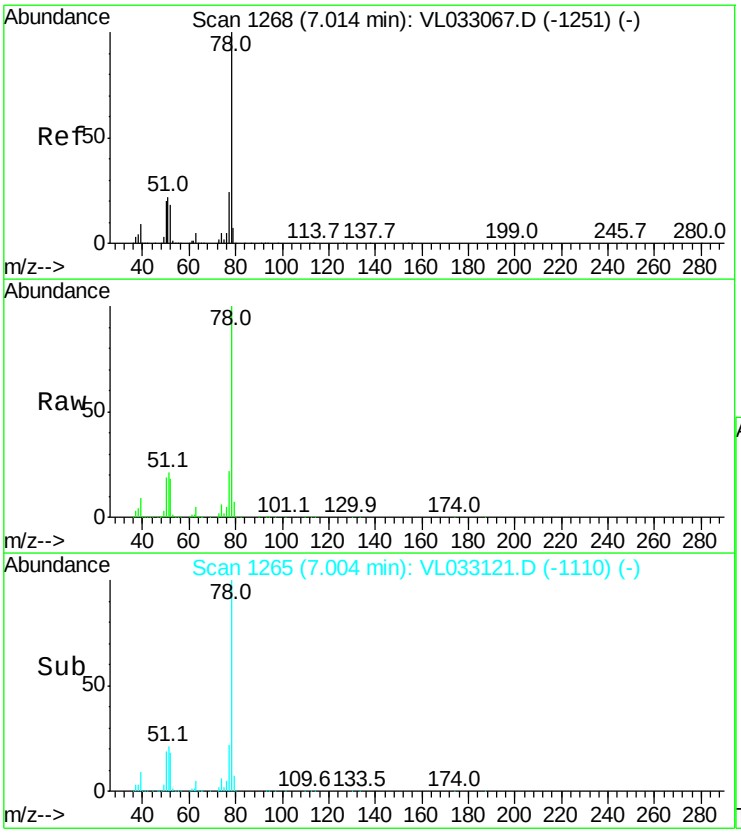
#35
Carbon Tetrachloride
Concen: 8.068 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2219550

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.6
121	29.8	24.6	36.8

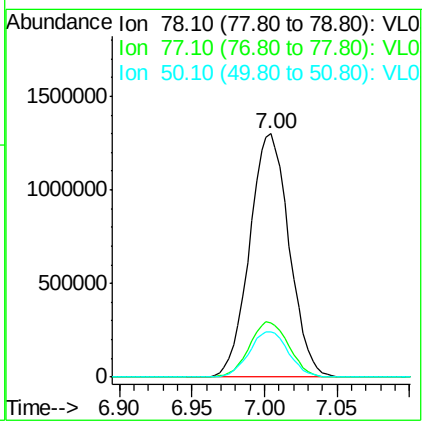


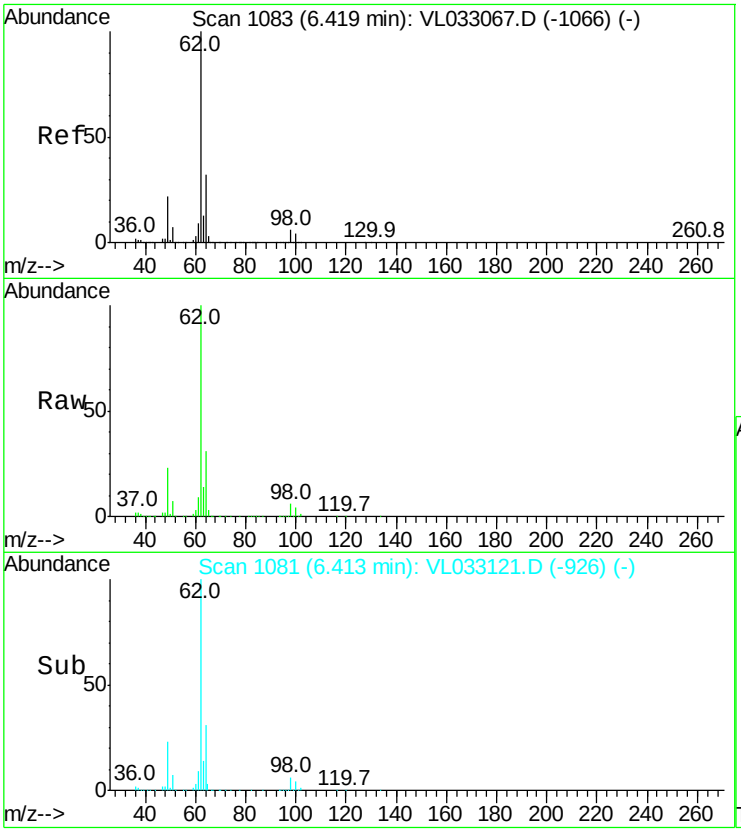


#36
Benzene
Concen: 9.417 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 78 Resp: 2470788

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.5	27.7
50	18.8	15.4	23.2



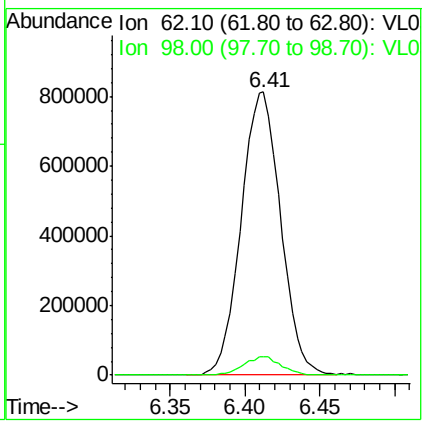


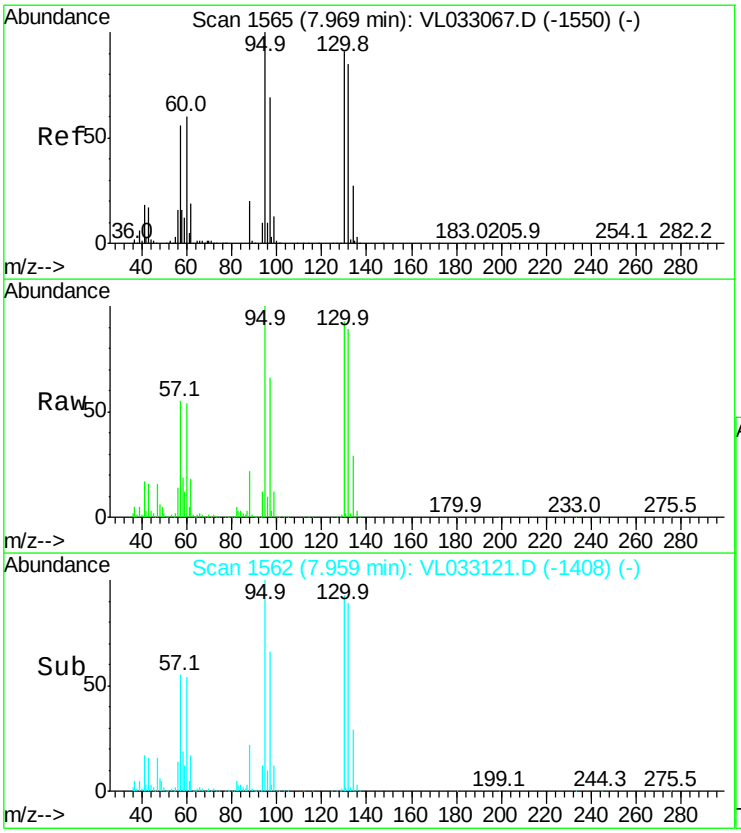
#37
1,2-Dichloroethane
Concen: 8.150 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1492866

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.6	7.0

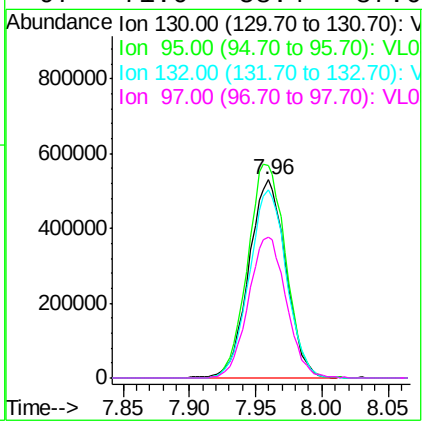


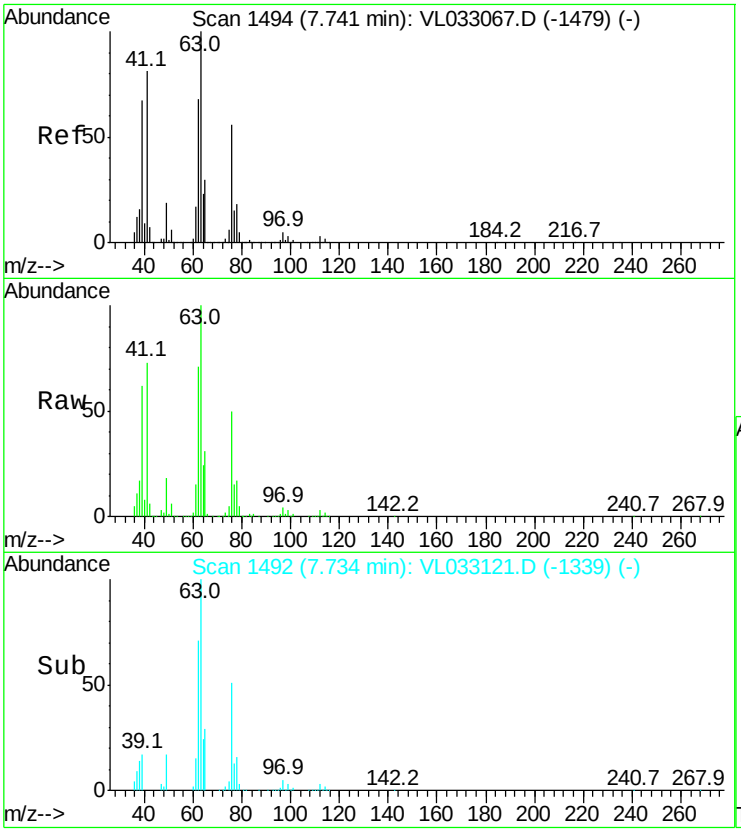


#38
Trichloroethene
Concen: 9.473 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:130 Resp: 1022418

Ion	Ratio	Lower	Upper
130	100		
95	107.5	94.0	141.0
132	95.4	79.7	119.5
97	71.0	58.4	87.6



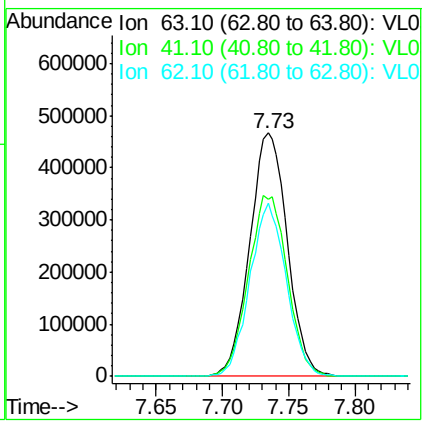


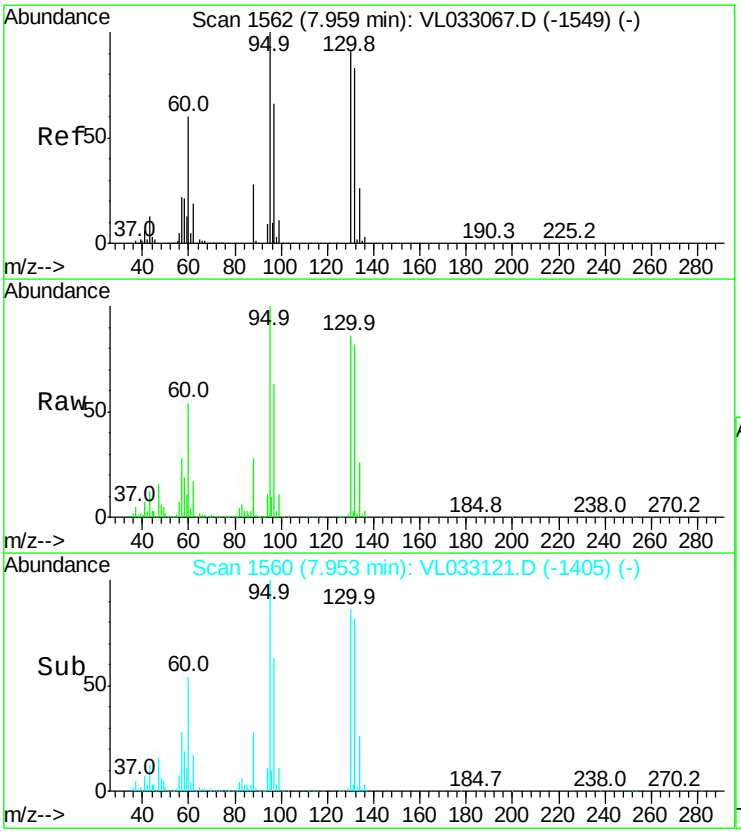
#39
1,2-Dichloropropane
Concen: 9.396 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 926113

Ion	Ratio	Lower	Upper
63	100		
41	72.8	57.8	86.8
62	70.9	54.6	82.0

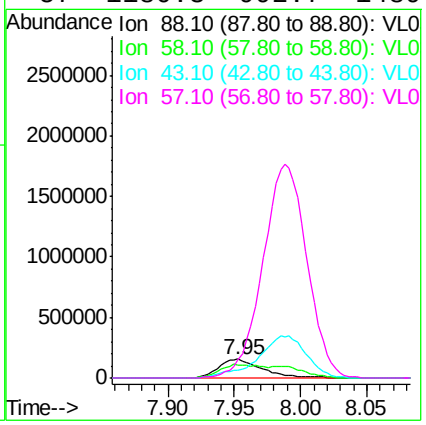


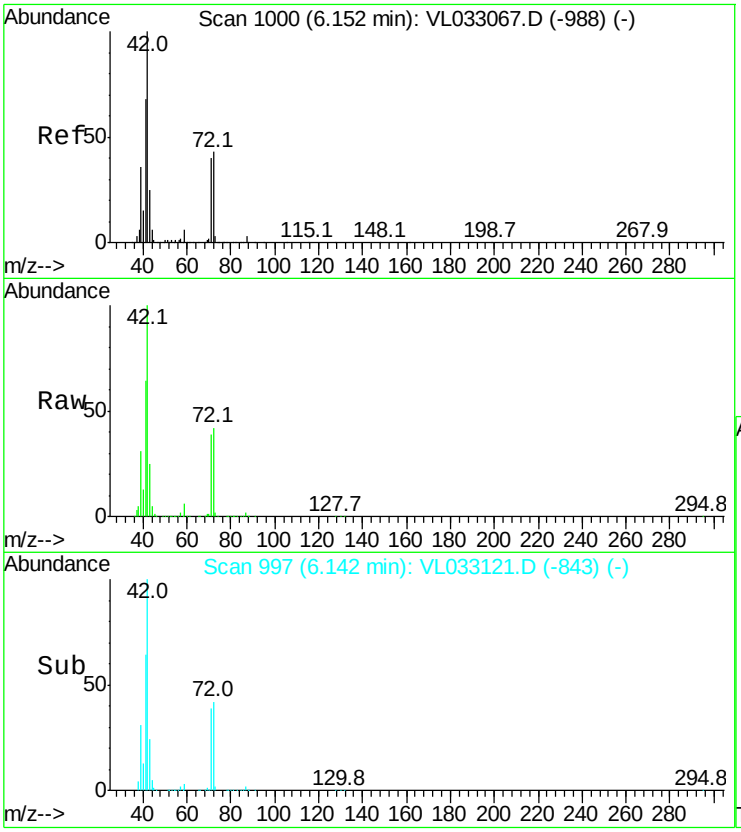


#40
1,4-Dioxane
Concen: 9.333 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 88 Resp: 349199

Ion	Ratio	Lower	Upper
88	100		
58	122.7	103.5	155.3
43	255.6	217.8	326.8
57	1180.3	992.7	1489.1



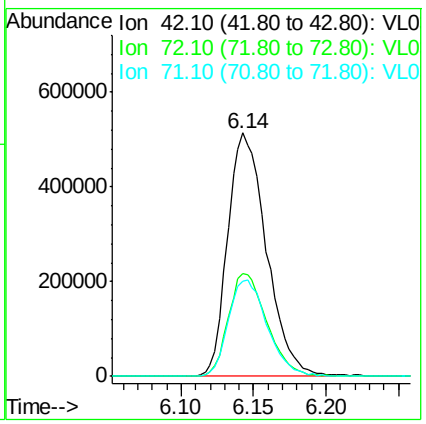


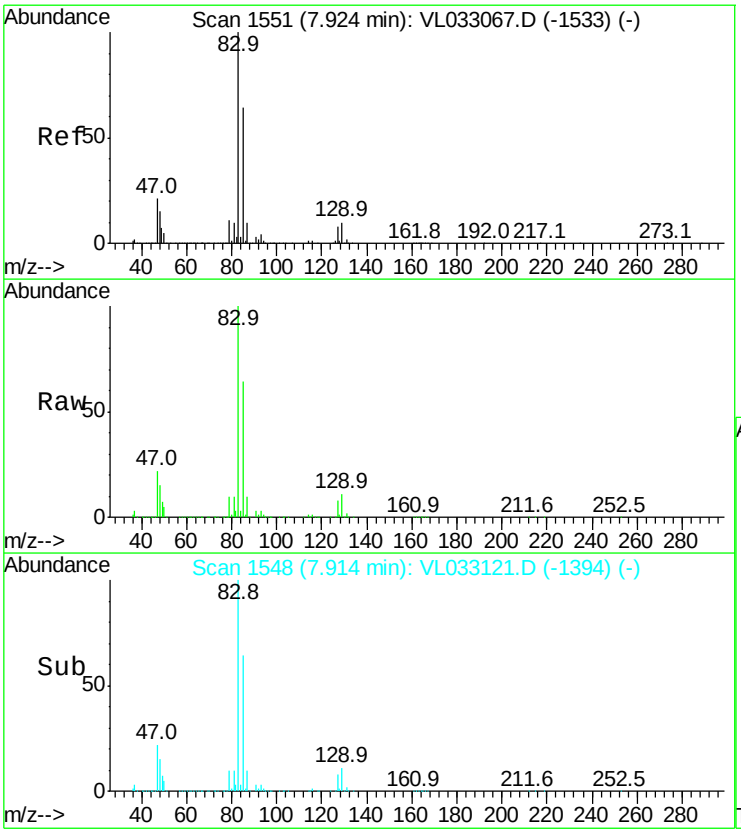
#41
Tetrahydrofuran
Concen: 10.034 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 950436

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.8
71	40.1	31.6	47.4

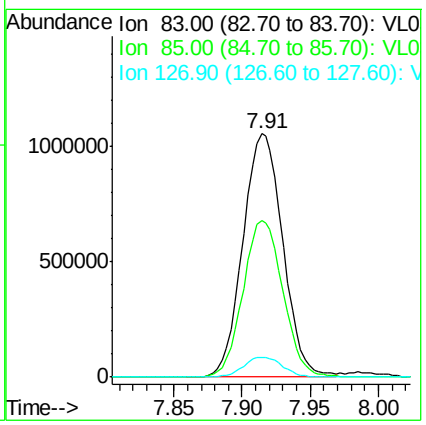


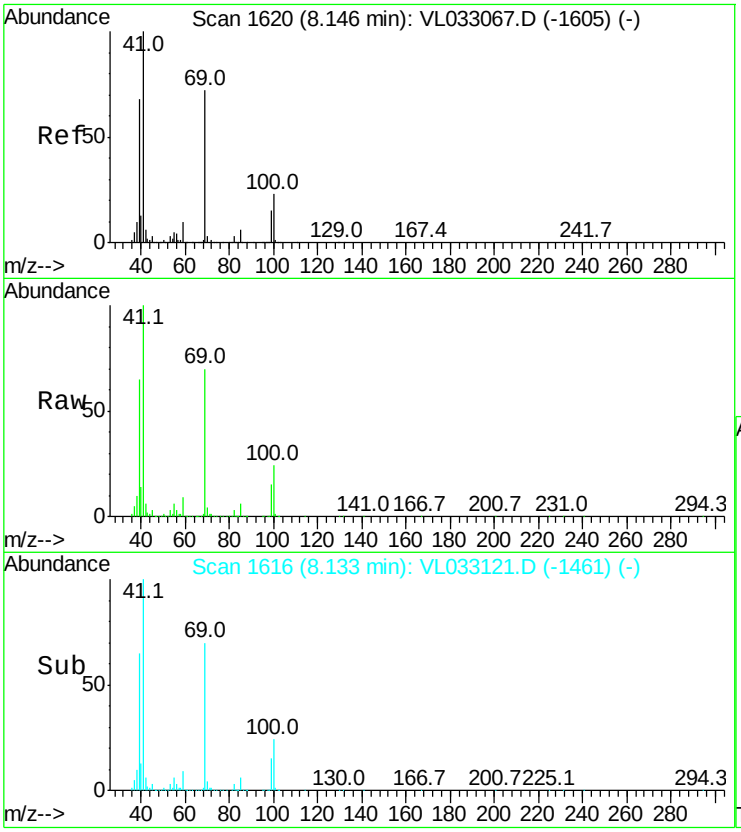


#42
Bromodichloromethane
Concen: 8.513 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 83 Resp: 2142122

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.9	79.3
127	8.2	6.7	10.1



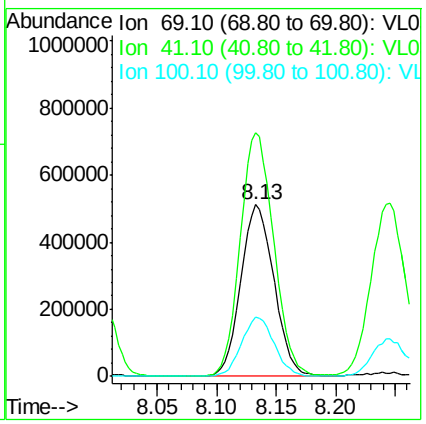


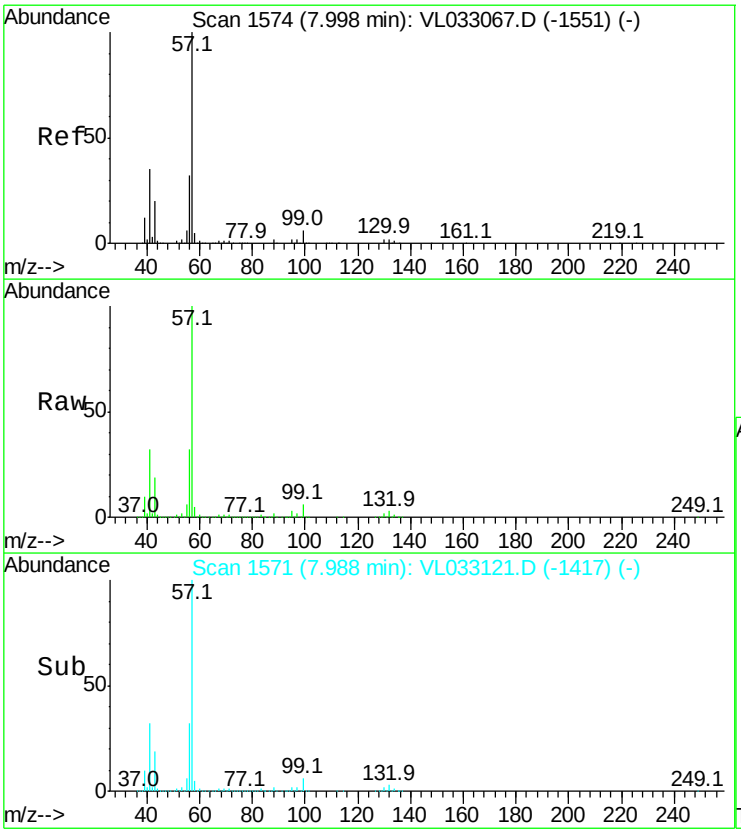
#43
Methyl Methacrylate
Concen: 10.059 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 990273

Ion	Ratio	Lower	Upper
69	100		
41	142.9	113.9	170.9
100	33.9	26.2	39.4

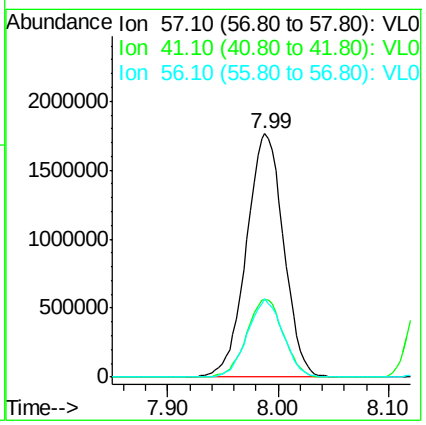


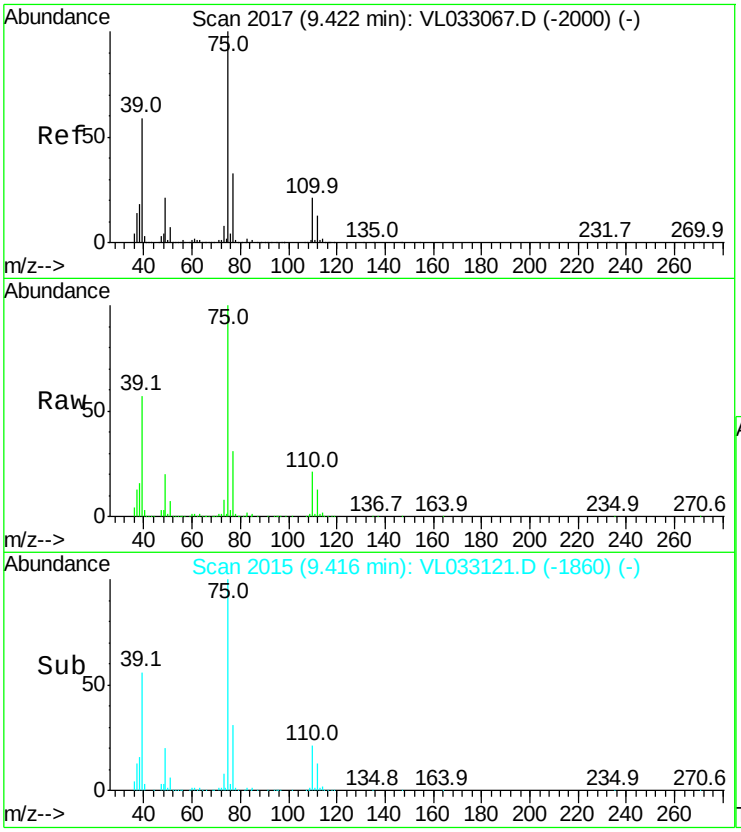


#44
2,2,4-Trimethylpentane
Concen: 9.256 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 57 Resp: 4112536

Ion	Ratio	Lower	Upper
57	100		
41	31.9	26.1	39.1
56	30.7	25.0	37.4



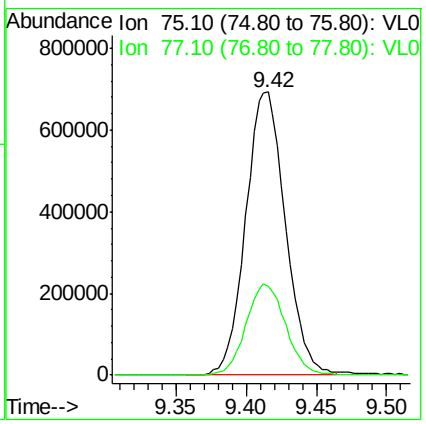


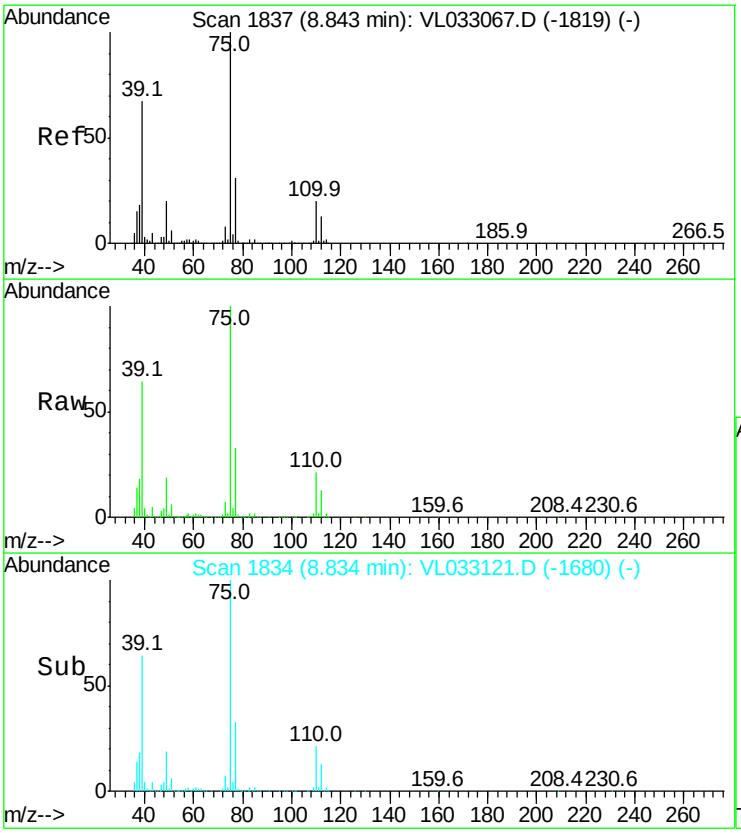
#45
t-1,3-Dichloropropene
Concen: 11.130 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1363968

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

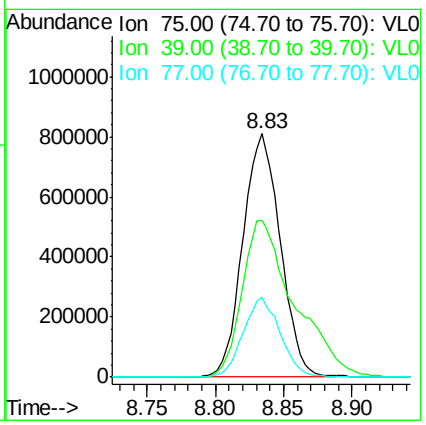


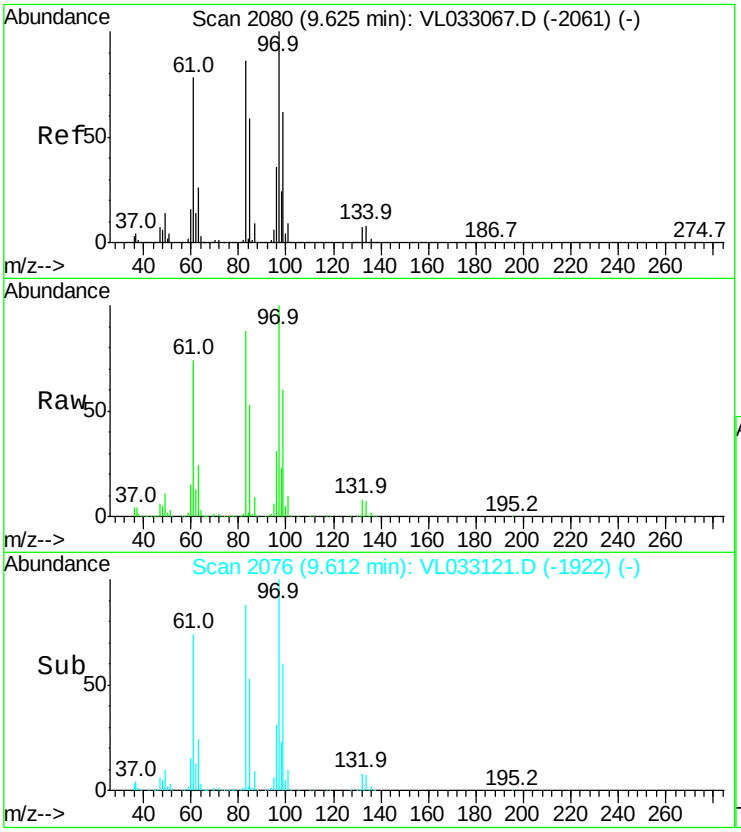


#46
cis-1,3-Dichloropropene
Concen: 11.054 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 75 Resp: 1546095

Ion	Ratio	Lower	Upper
75	100		
39	64.0	52.0	78.0
77	32.8	25.5	38.3



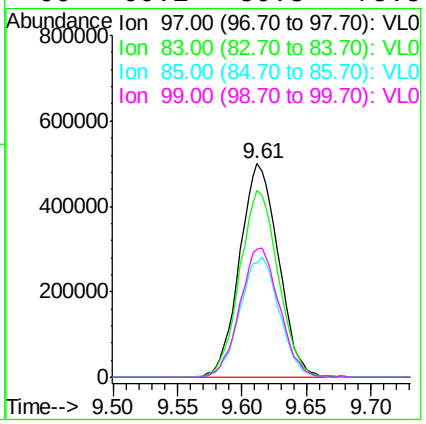


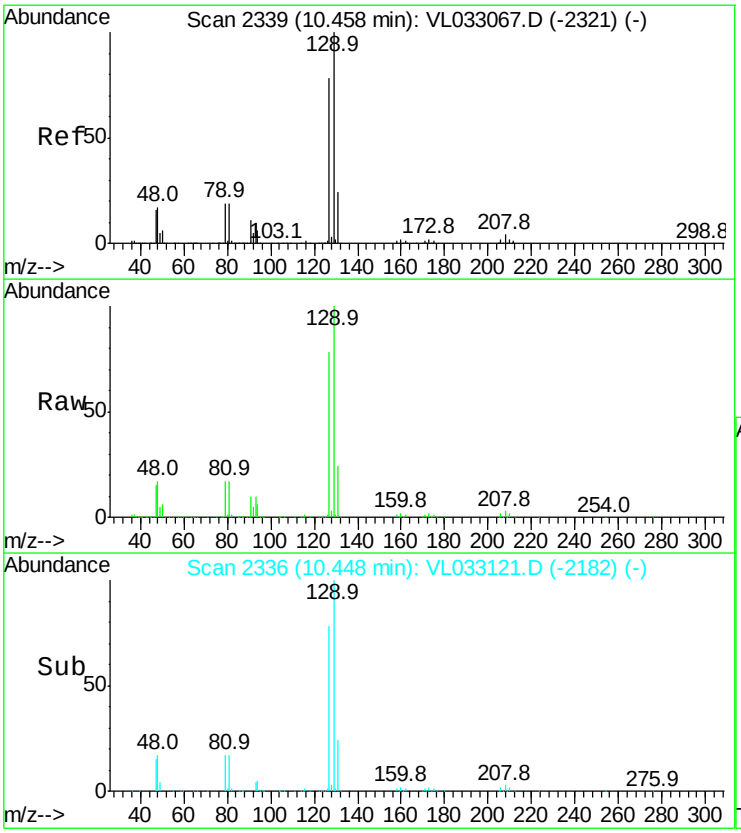
#47
1,1,2-Trichloroethane
Concen: 9.097 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1047509

Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.4	107.2
85	53.0	47.2	70.8
99	60.1	50.3	75.5

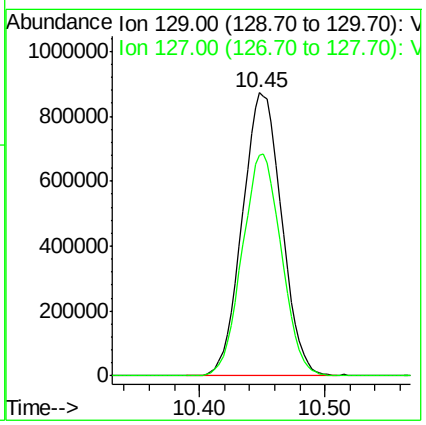


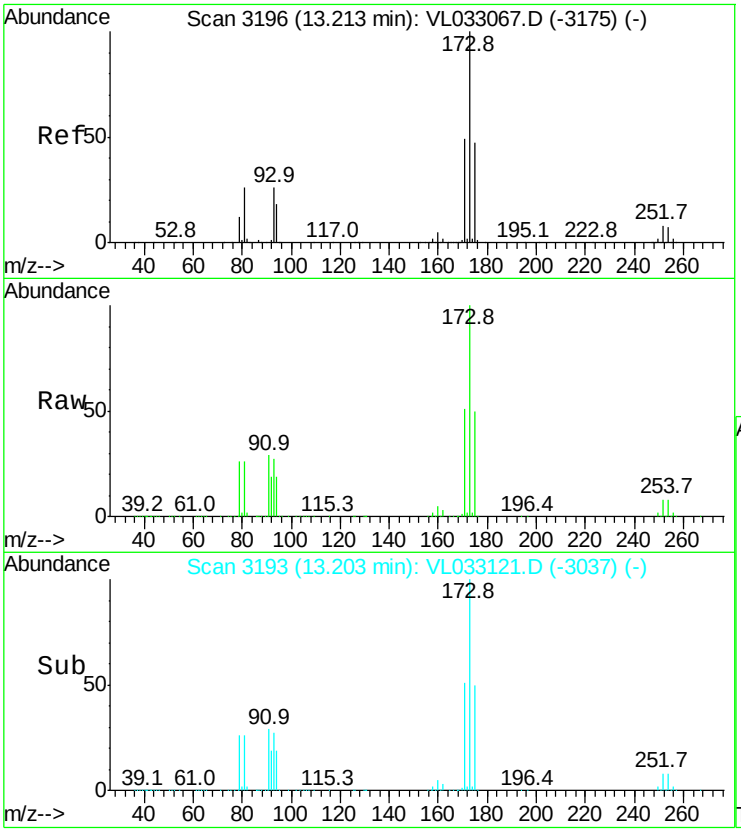


#48
Dibromochloromethane
Concen: 9.369 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:129 Resp: 1906144

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.9



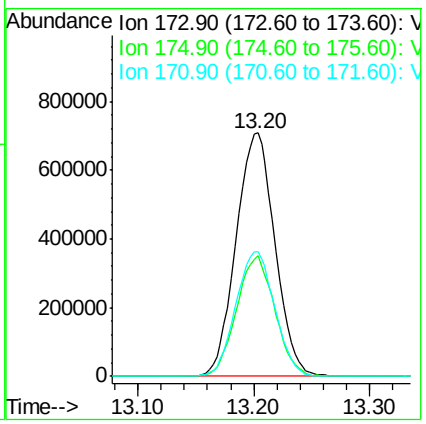


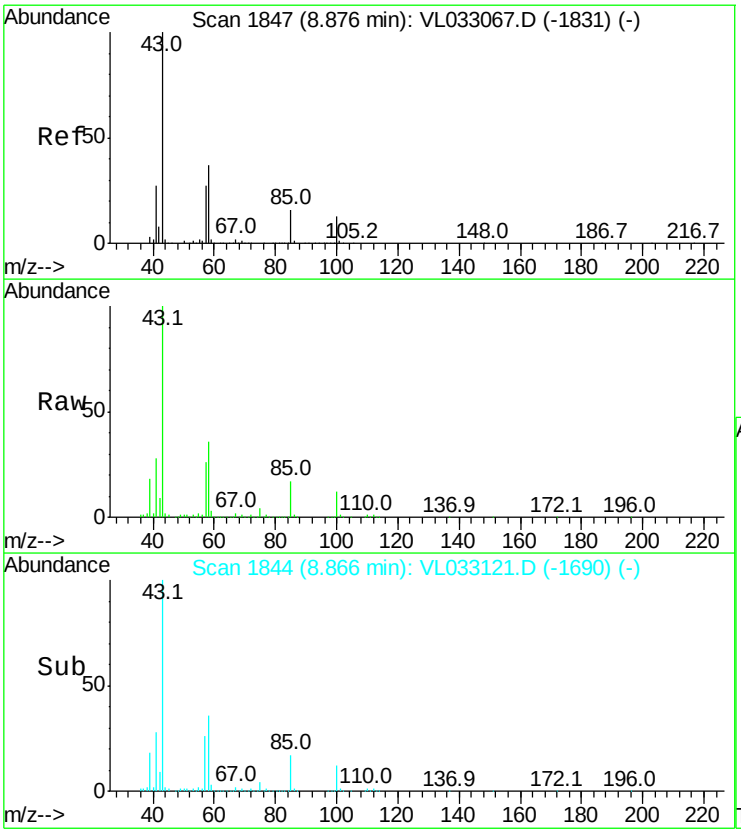
#49
Bromoform
Concen: 9.270 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:173 Resp: 1647731

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.9	58.3
171	51.6	41.8	62.6

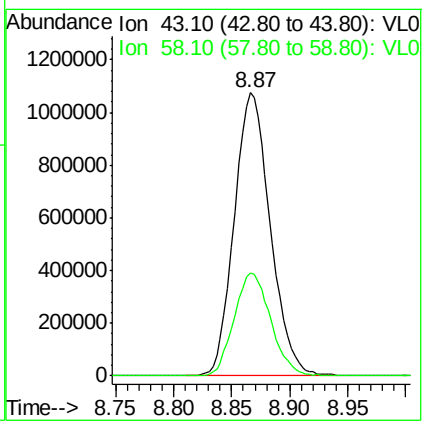


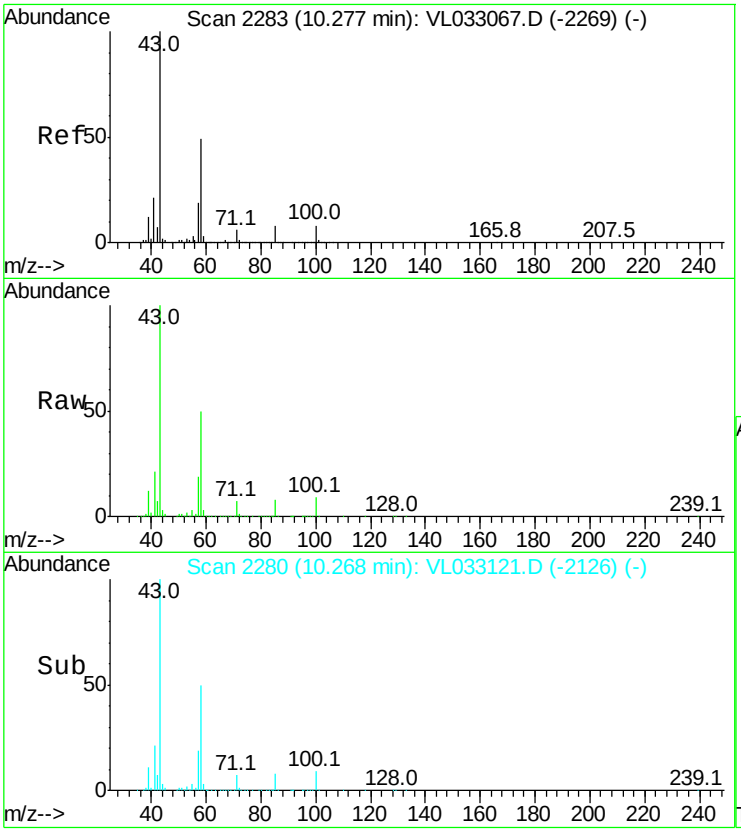


#50
4-Methyl-2-Pentanone
Concen: 9.815 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 43 Resp: 2314414

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0



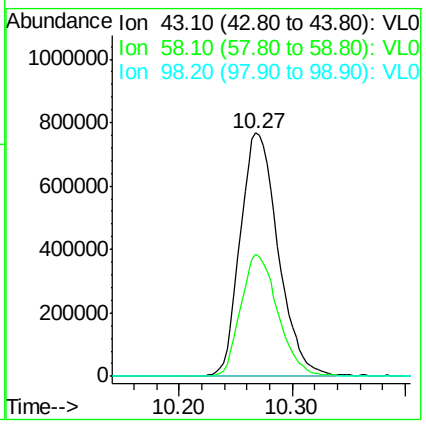


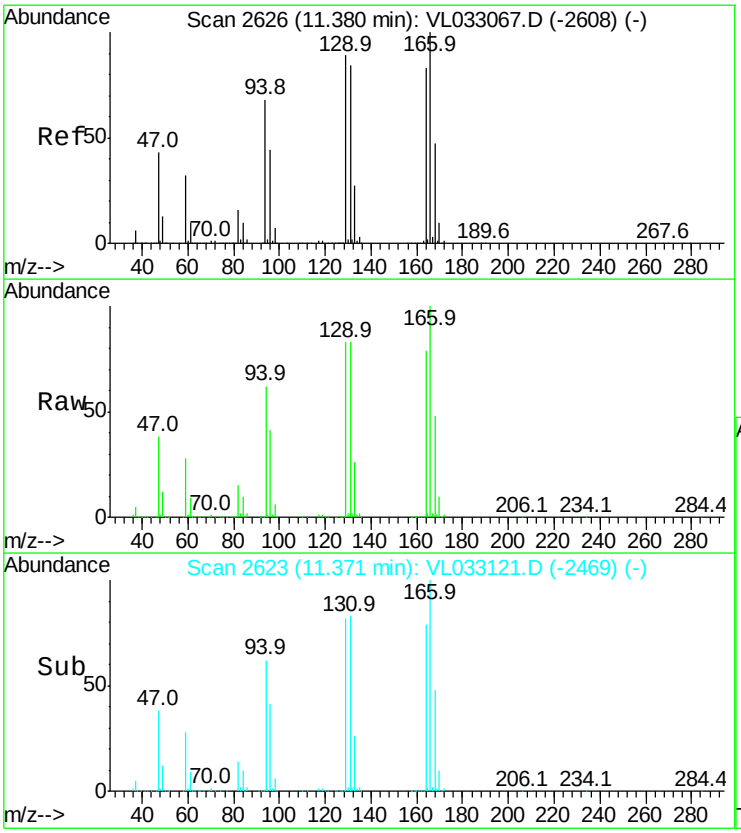
#51
2-Hexanone
Concen: 10.481 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1788229

Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.5	59.3
98	0.4	0.3	0.5

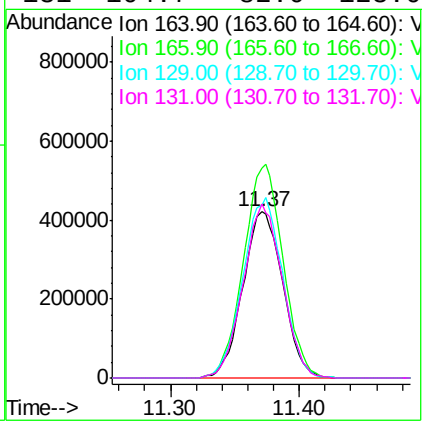


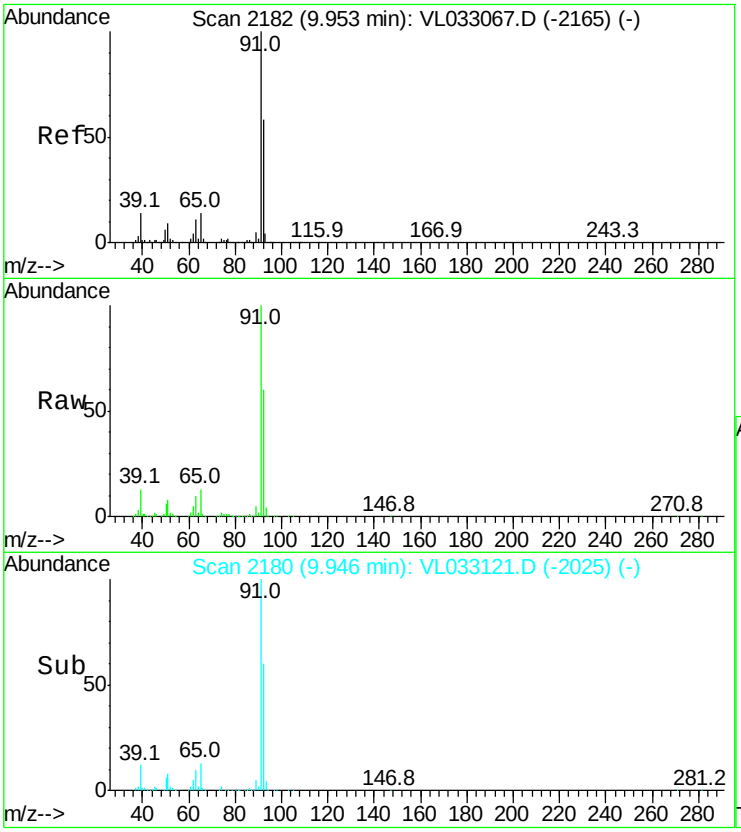


#52
Tetrachloroethene
Concen: 9.782 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:164 Resp: 907178

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.3	151.9
129	104.3	83.3	124.9
131	104.7	82.0	123.0



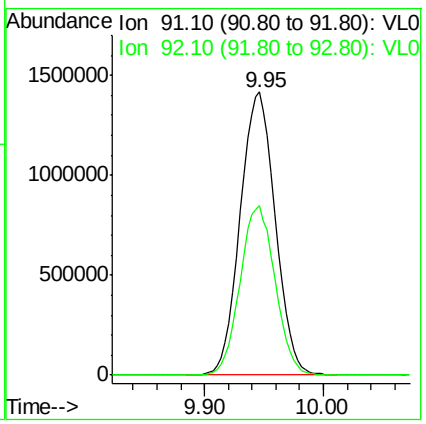


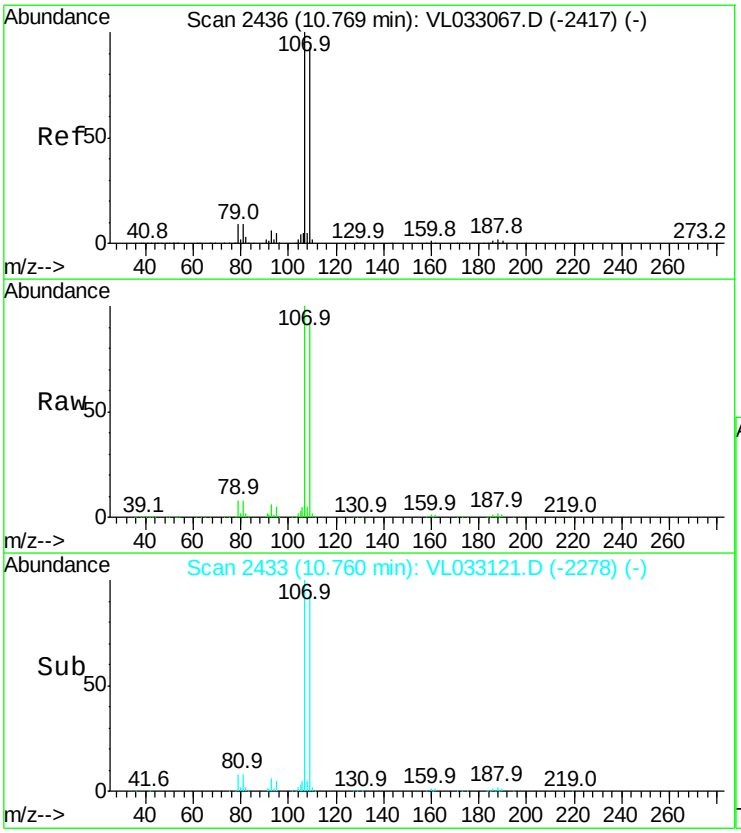
#53
Toluene
Concen: 10.283 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2891160

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.9	71.9

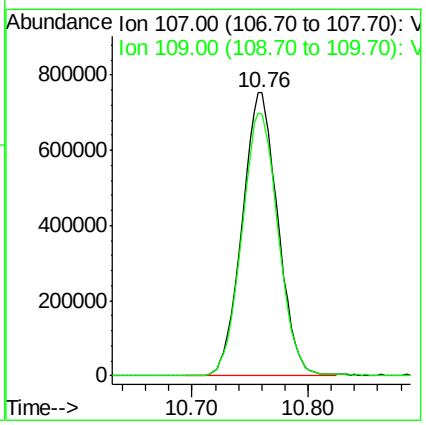


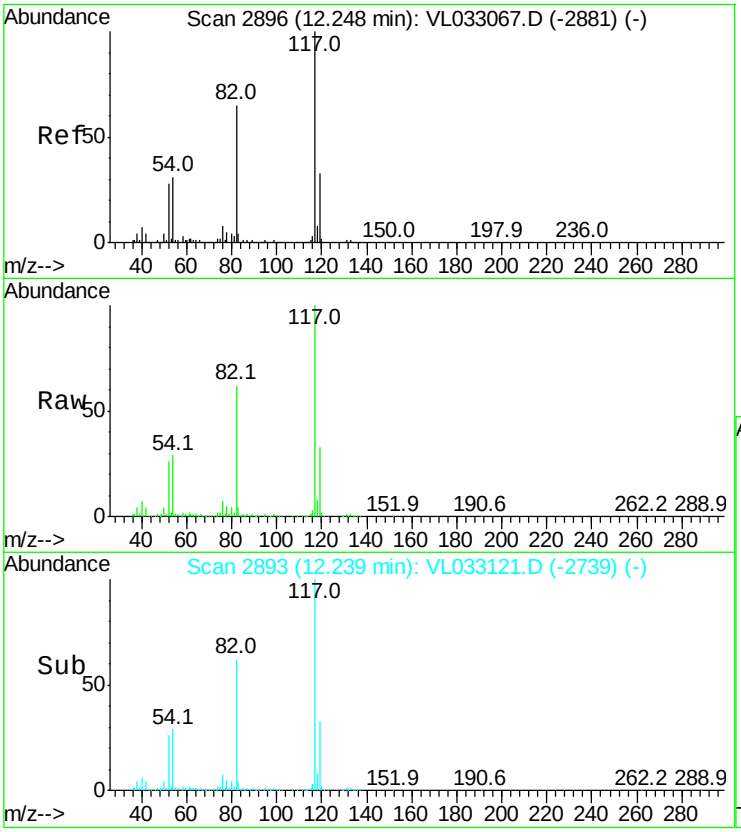


#54
1,2-Dibromoethane
Concen: 9.725 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:107 Resp: 1613495

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.8	113.6



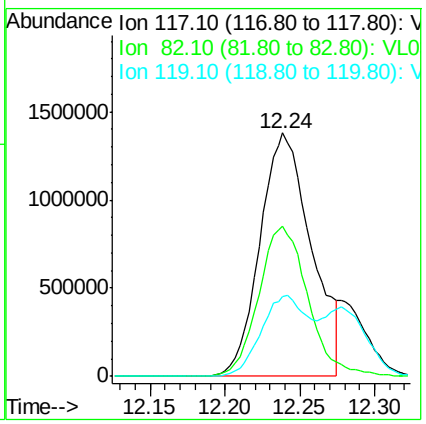


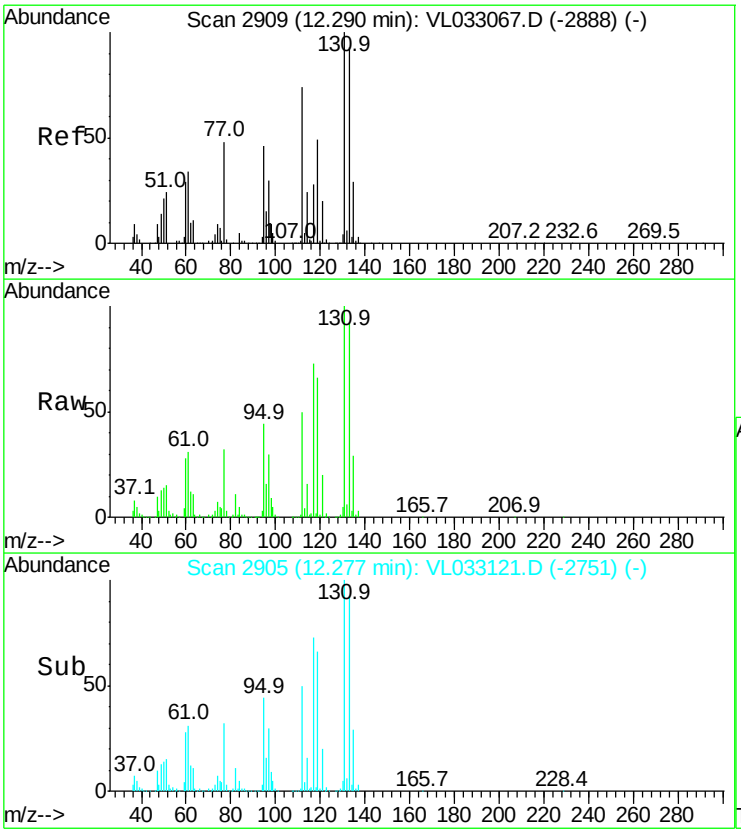
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 3284653

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.3	72.5
119	30.9	25.9	38.9

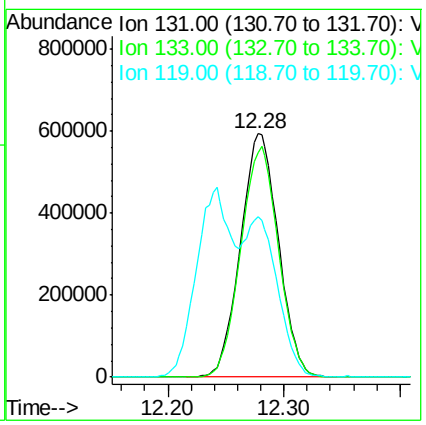


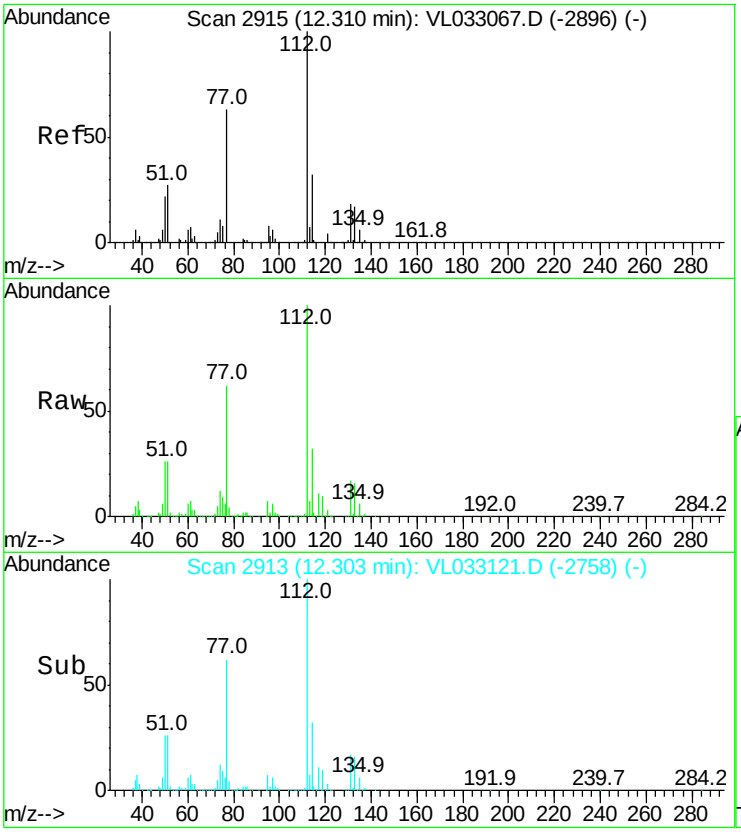


#56
1,1,1,2-Tetrachloroethane
Concen: 7.958 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:131 Resp: 1350600

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.6	115.0
119	58.2	44.6	66.8



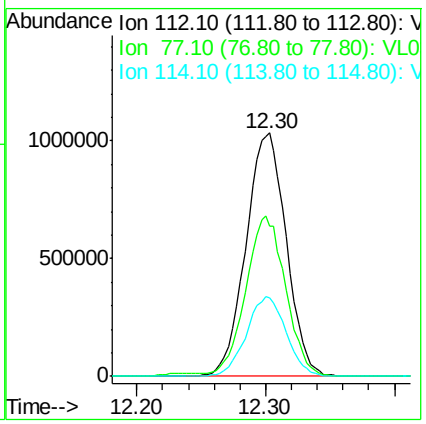


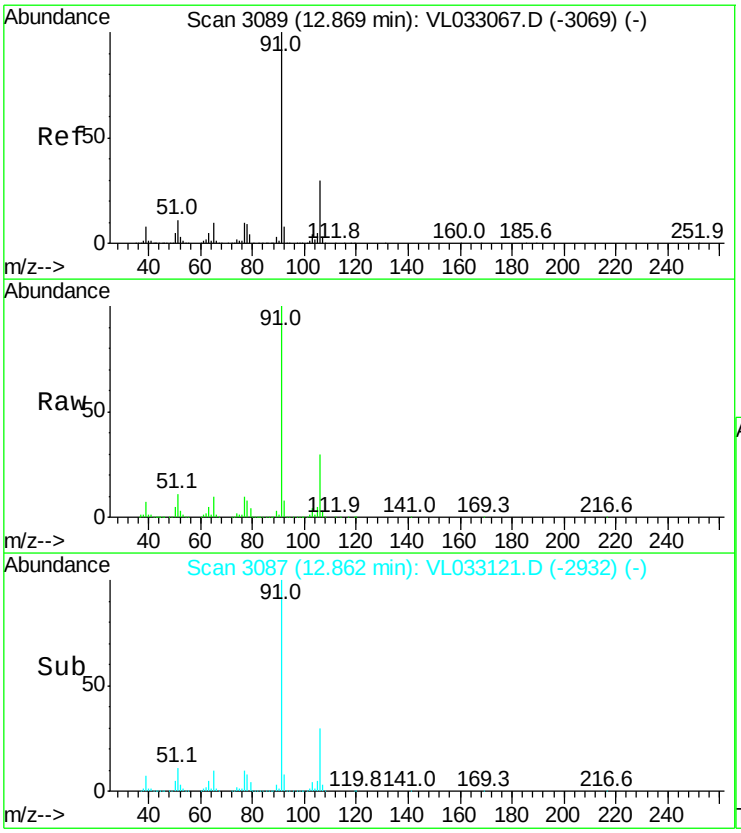
#57
Chlorobenzene
Concen: 8.213 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 2251651

Ion	Ratio	Lower	Upper
112	100		
77	61.5	51.6	77.4
114	32.0	27.9	34.1

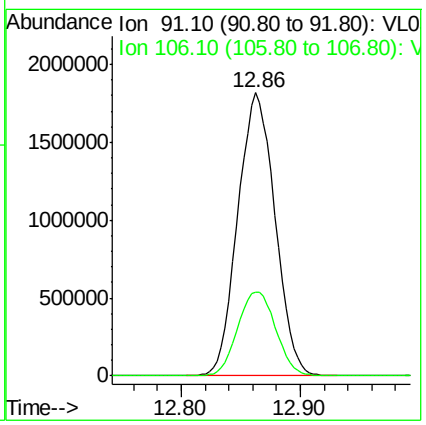


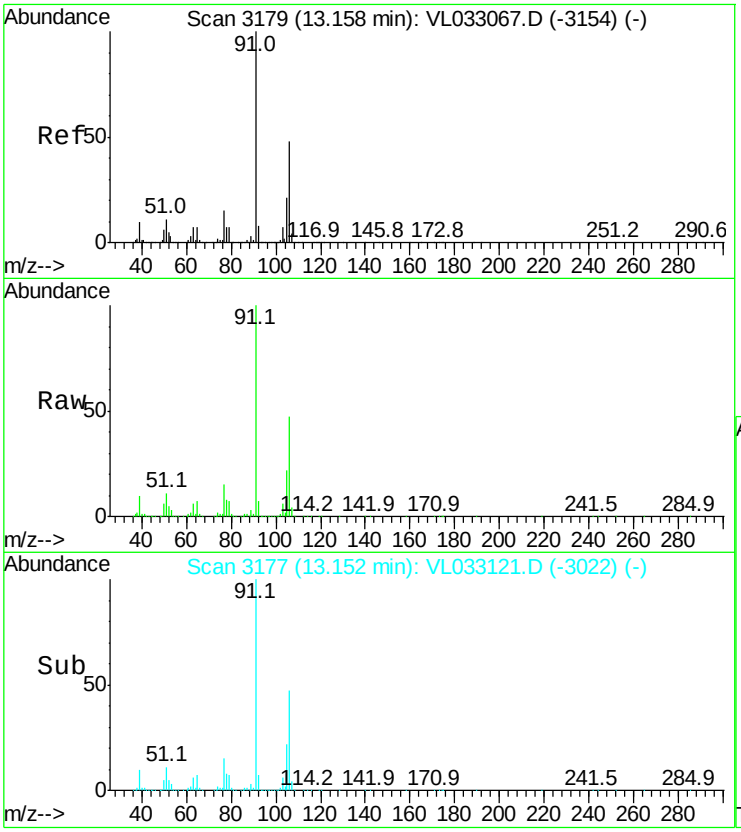


#58
Ethyl Benzene
Concen: 9.507 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 91 Resp: 3942526

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.4	36.6



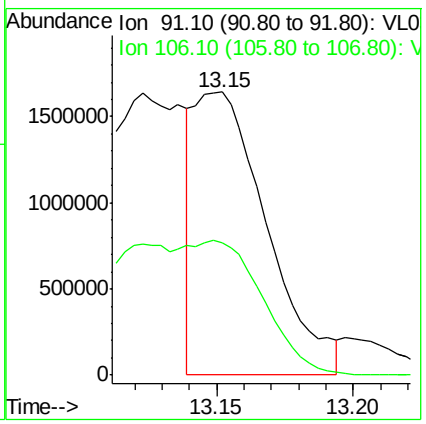


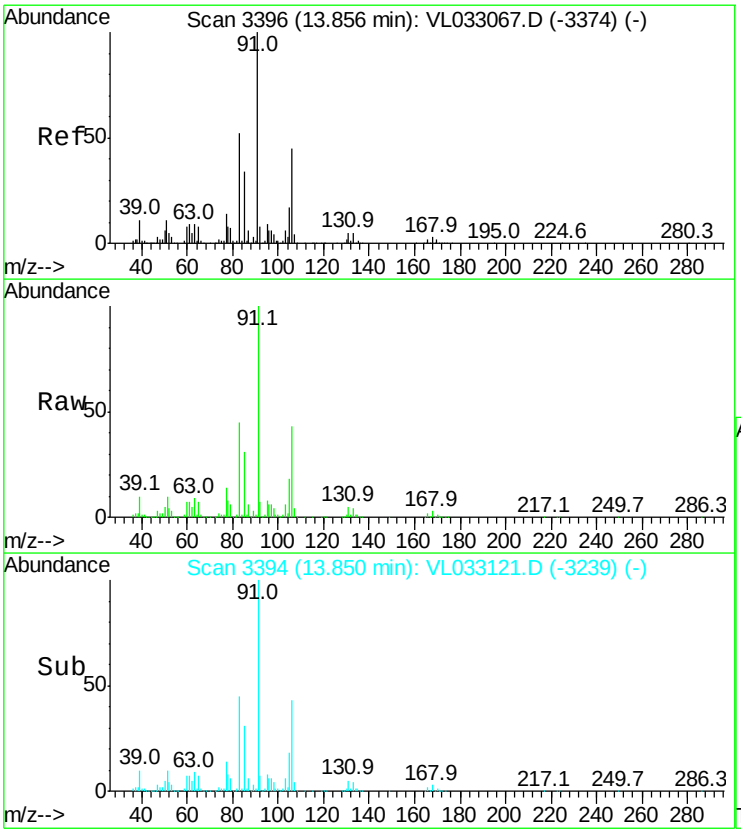
#59
m/p-Xylene
Concen: 7.814 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2997694

Ion	Ratio	Lower	Upper
91	100		
106	102.5	0.0	0.0#

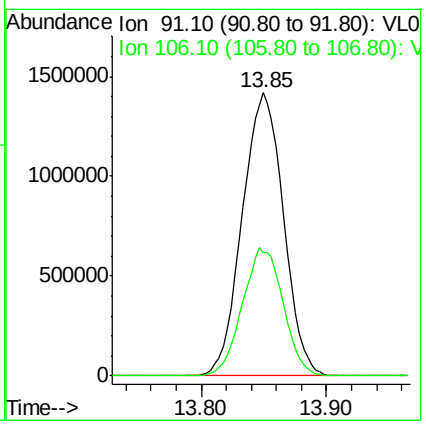


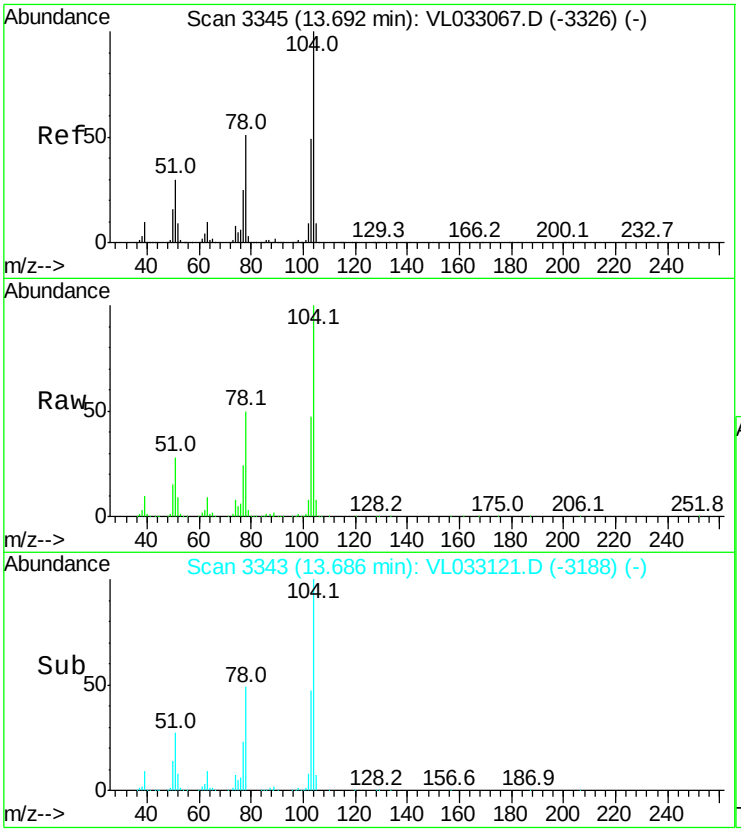


#60
o-Xylene
Concen: 8.613 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 91 Resp: 3234723

Ion	Ratio	Lower	Upper
91	100		
106	44.8	22.6	67.8



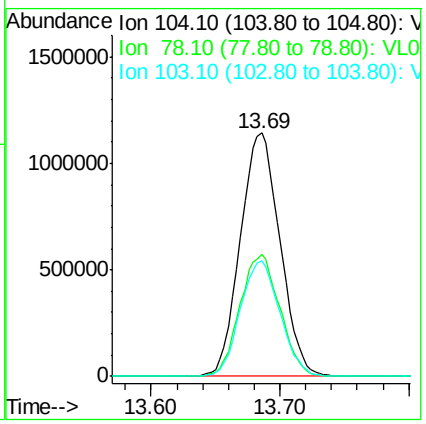


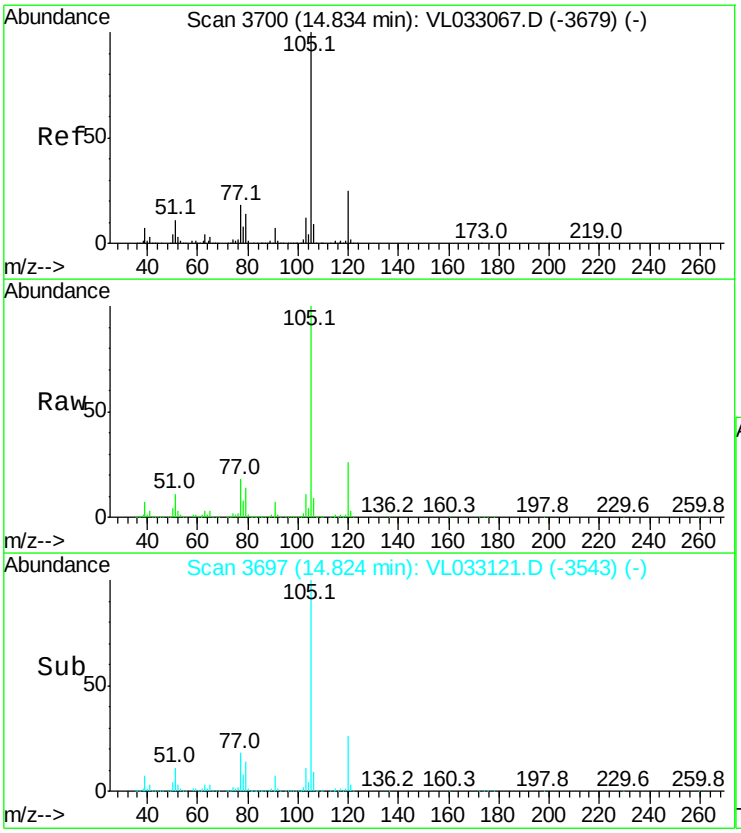
#61
Styrene
Concen: 10.211 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2446986

Ion	Ratio	Lower	Upper
104	100		
78	50.6	41.4	62.0
103	47.5	37.8	56.6

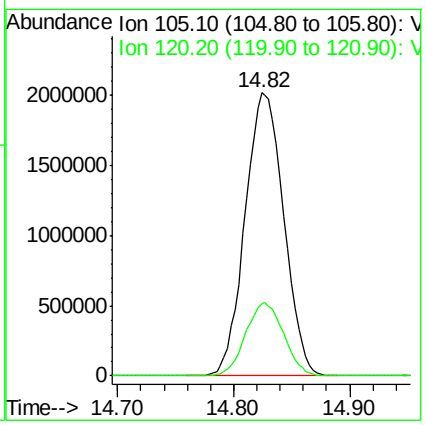


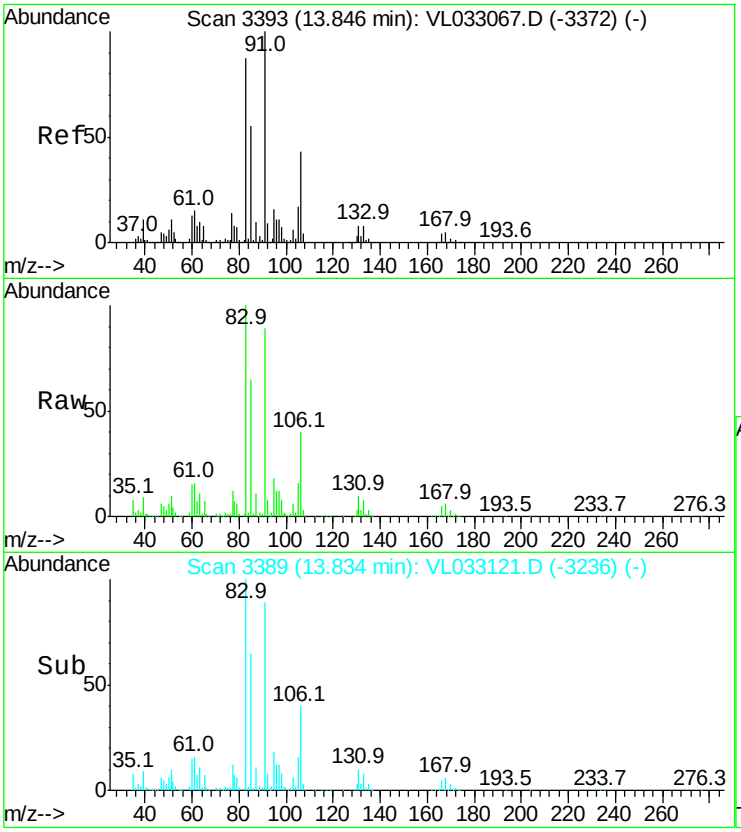


#62
Isopropylbenzene
Concen: 8.751 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:105 Resp: 4677339

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6



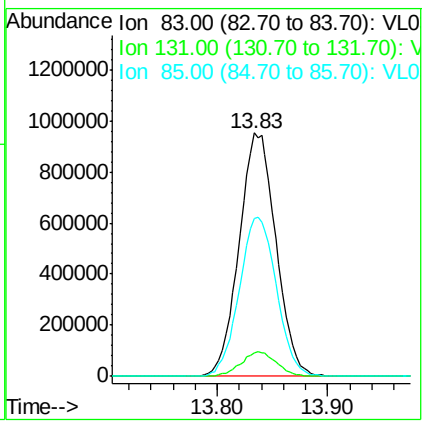


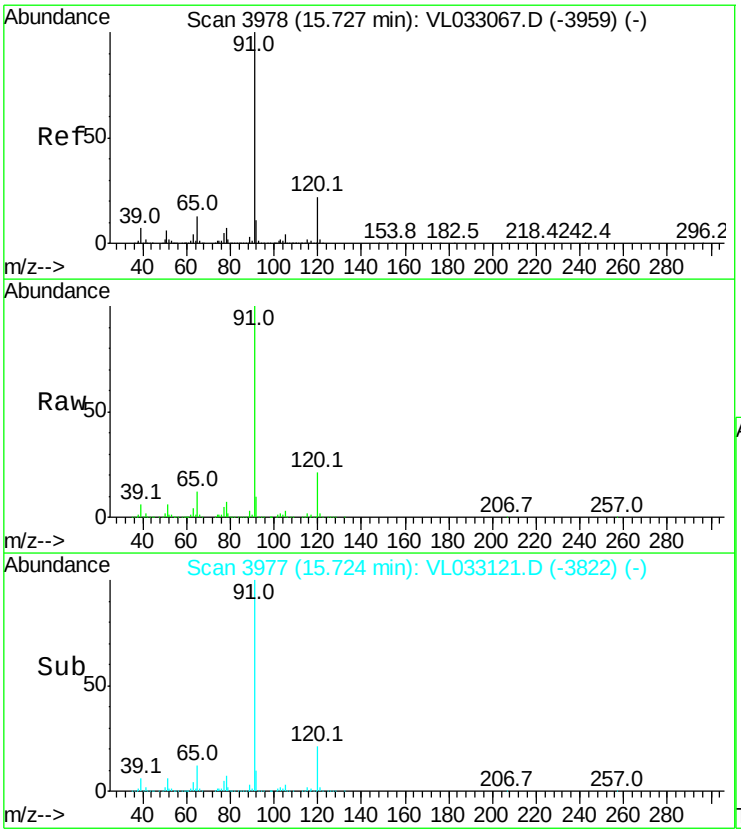
#63
1,1,2,2-Tetrachloroethane
Concen: 7.923 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2210427

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	66.0	32.5	97.4

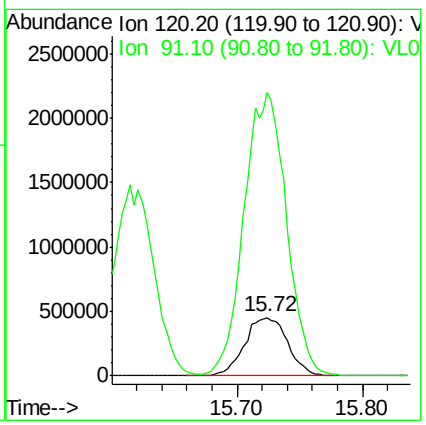


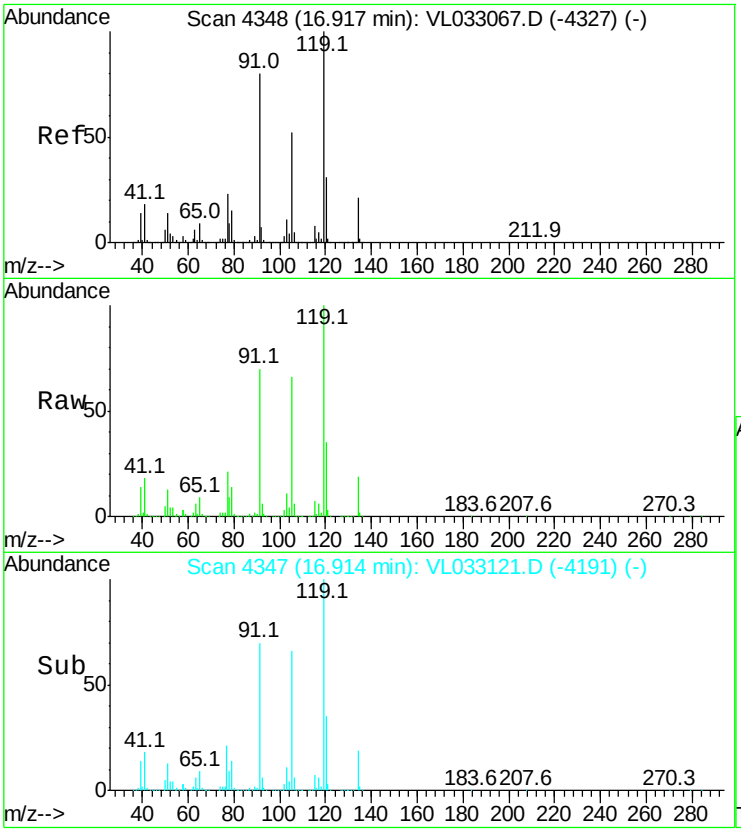


#64
n-propylbenzene
Concen: 7.947 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:120 Resp: 1079051

Ion	Ratio	Lower	Upper
120	100		
91	478.7	375.7	563.5



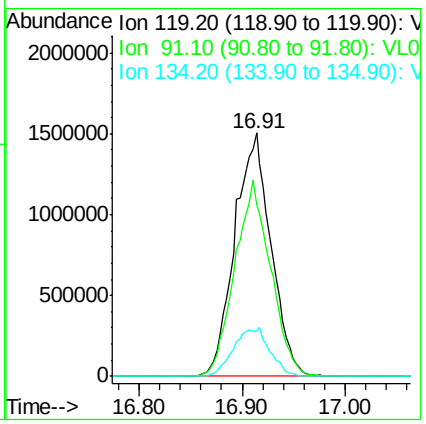


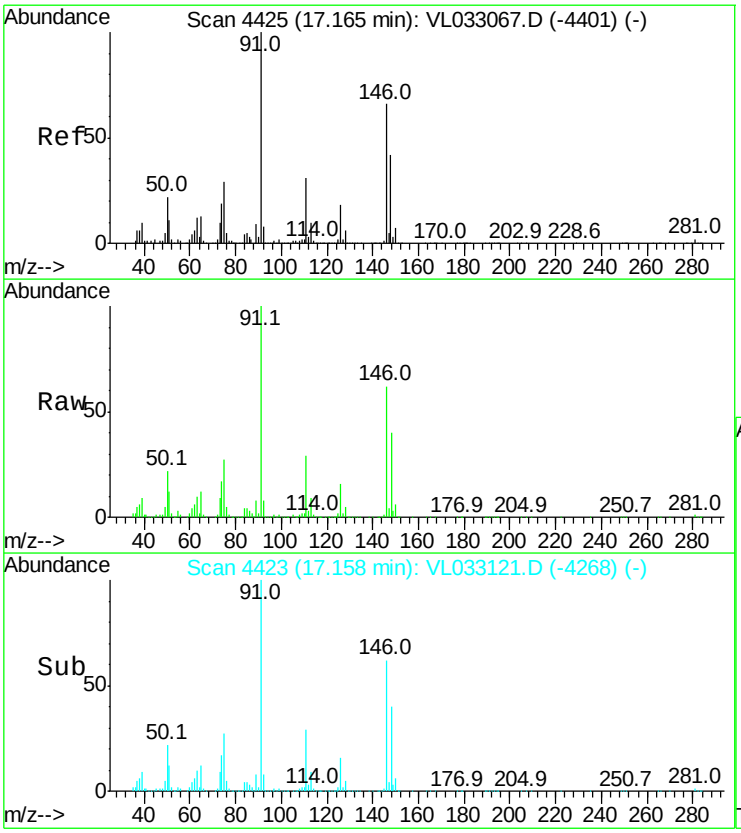
#65
tert-Butylbenzene
Concen: 7.760 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 3673964

Ion	Ratio	Lower	Upper
119	100		
91	79.3	64.5	96.7
134	20.0	15.7	23.5

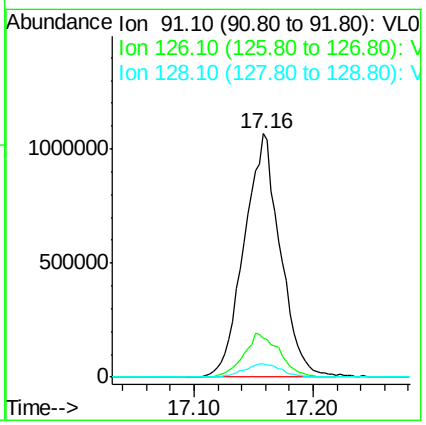


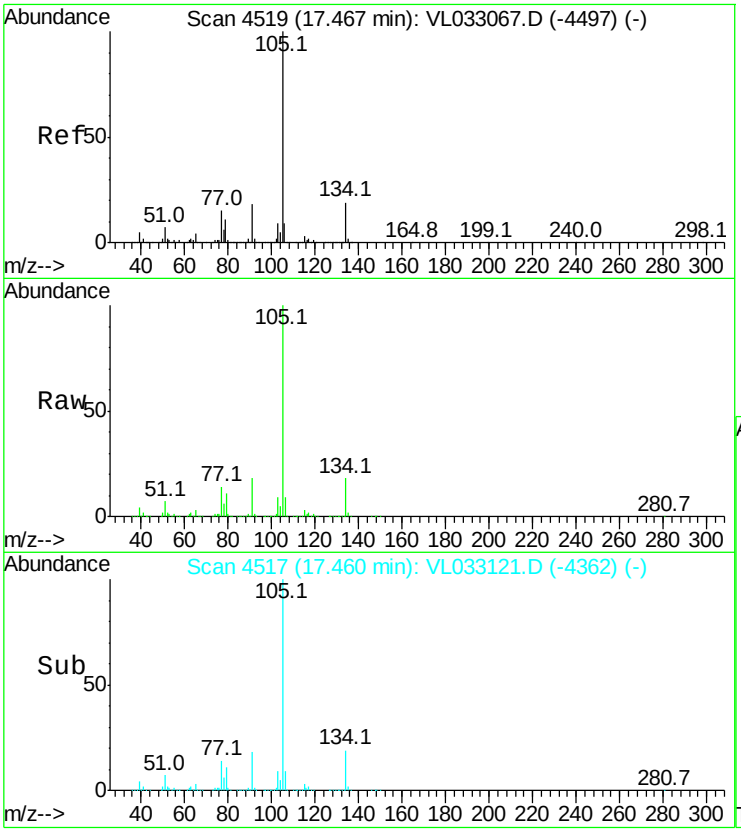


#66
Benzyl Chloride
Concen: 8.269 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 91 Resp: 2231359

Ion	Ratio	Lower	Upper
91	100		
126	17.8	14.3	21.5
128	5.7	4.6	7.0



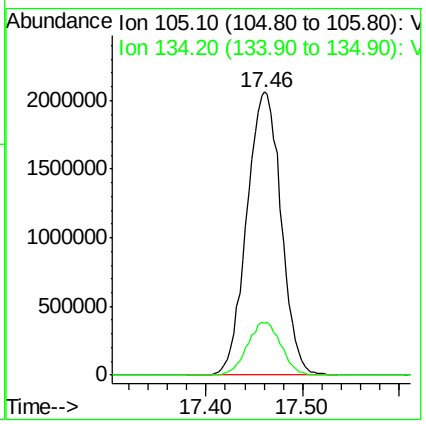


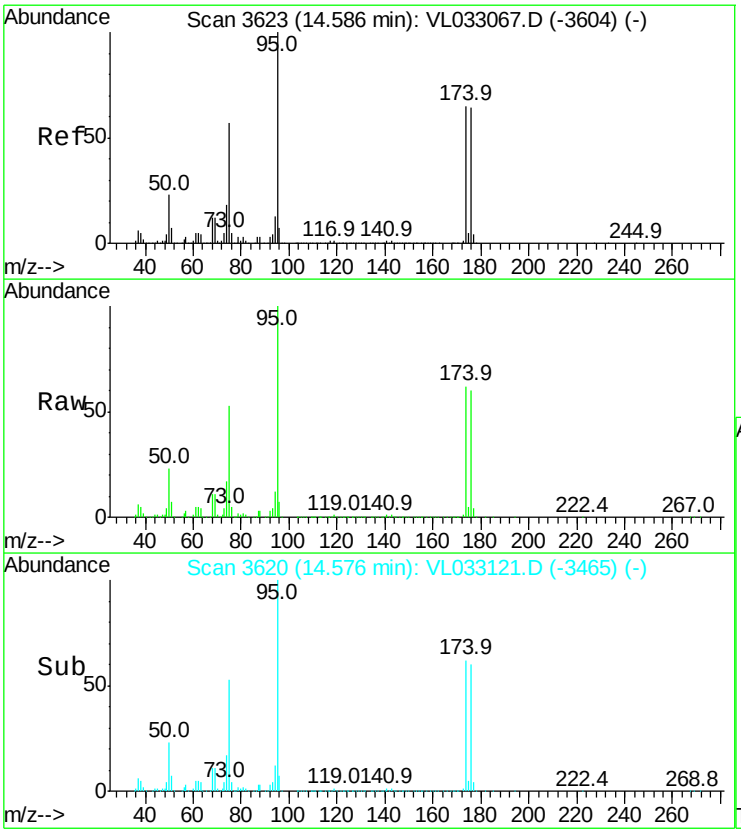
#67
sec-Butylbenzene
Concen: 7.480 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 5067983

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.8	22.2

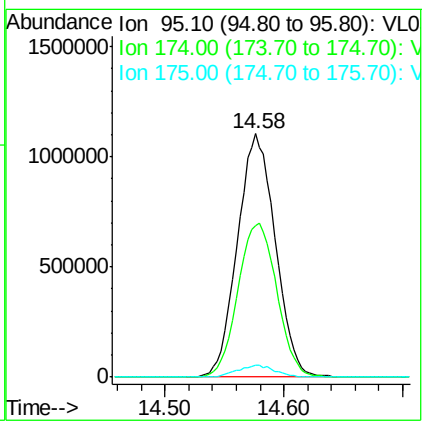


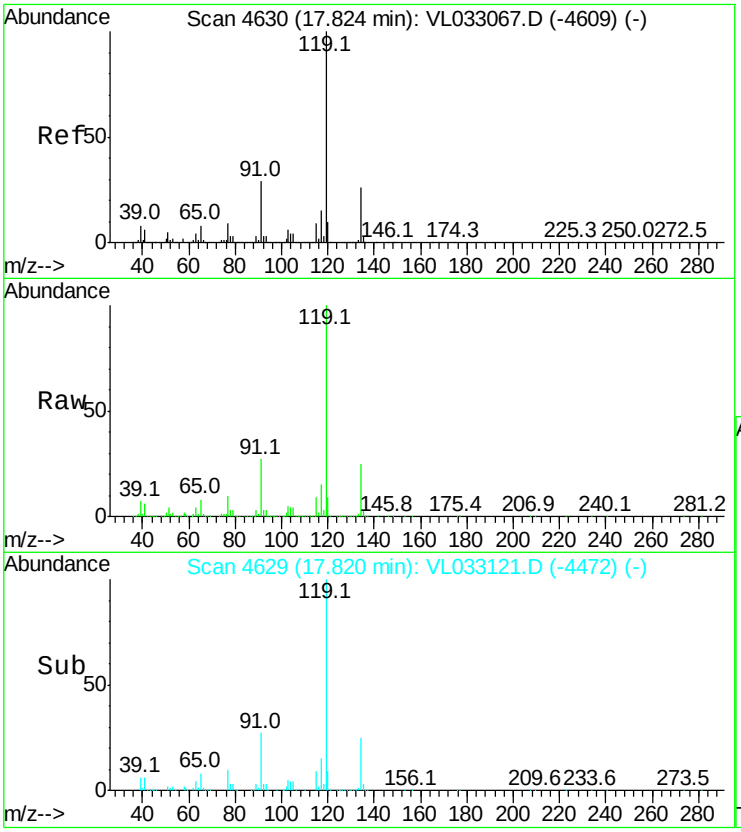


#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 95 Resp: 2426326

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.4	77.2
175	4.8	4.0	6.0



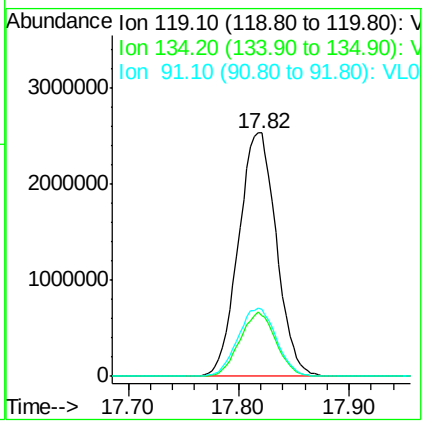


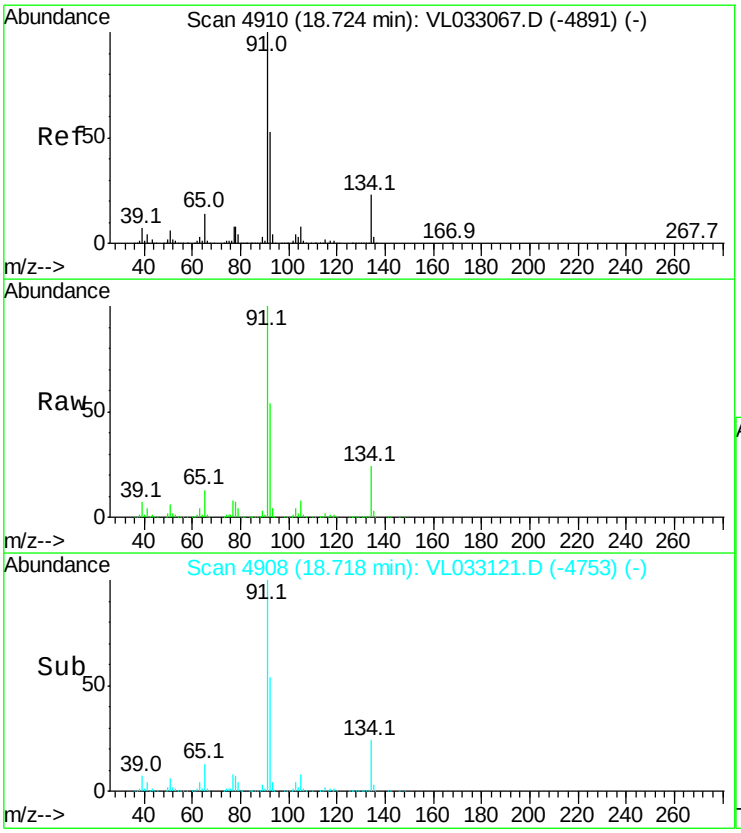
#69
p-Isopropyltoluene
Concen: 10.919 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.01 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 6004612

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	28.6	22.8	34.2

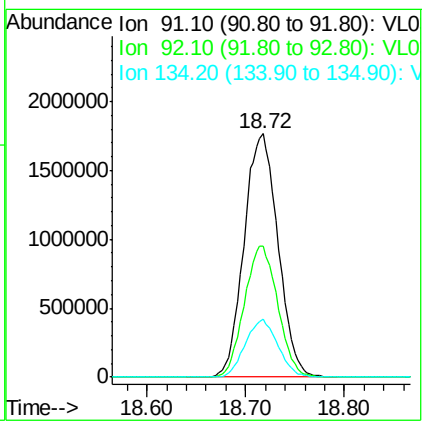


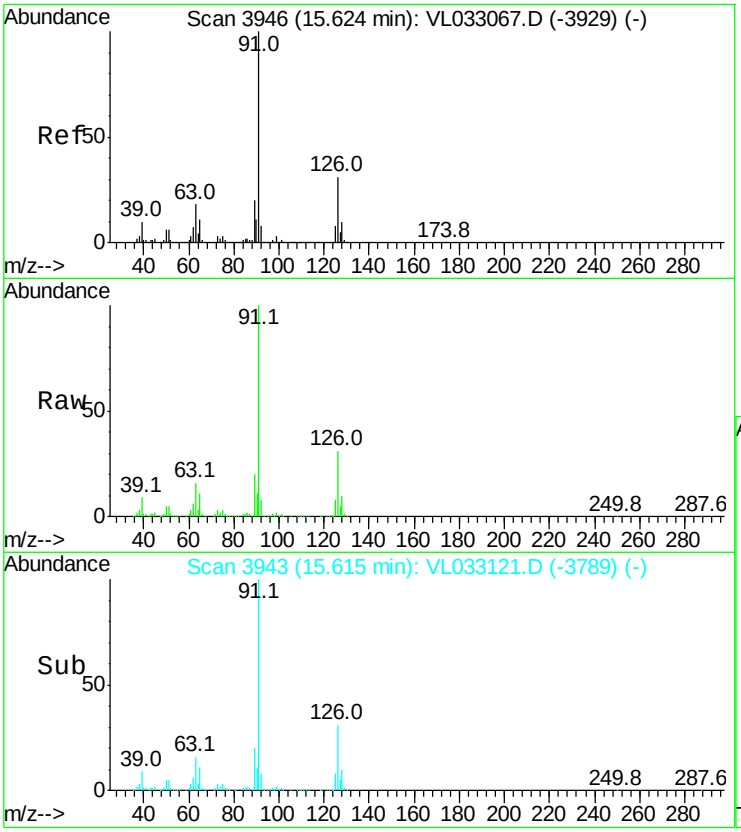


#70
n-Butylbenzene
Concen: 7.572 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion: 91 Resp: 4185852

Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.0	64.6
134	22.8	18.4	27.6



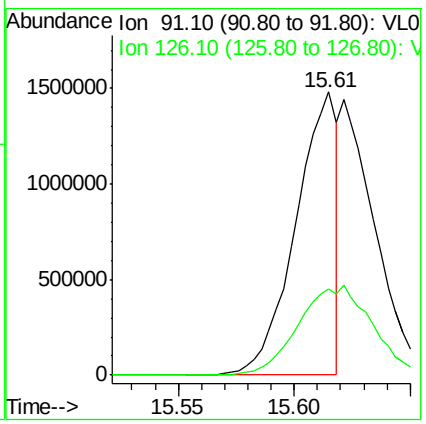


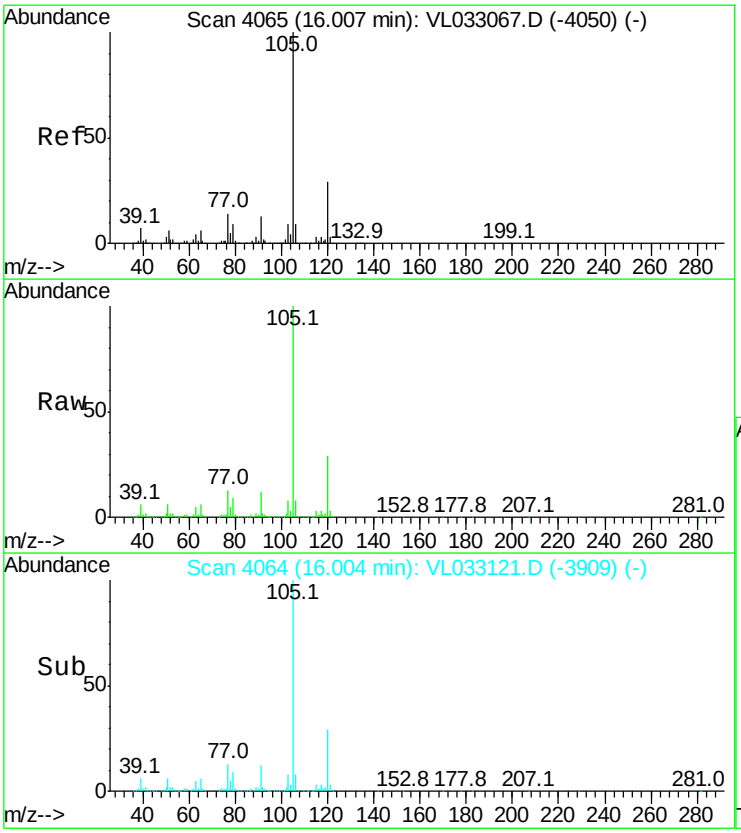
#71
2-Chlorotoluene
Concen: 4.806 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 1821655

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.4	49.8#

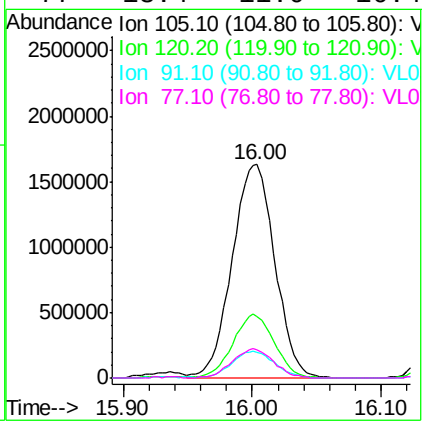


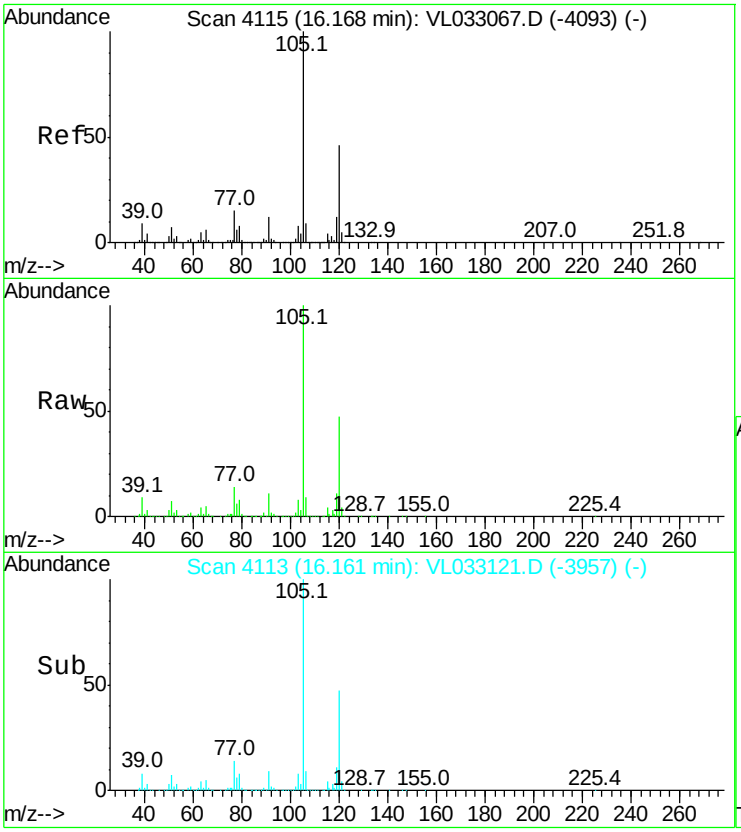


#72
4-Ethyltoluene
Concen: 9.068 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:105 Resp: 3742879

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.5	35.3
91	12.8	10.3	15.5
77	13.4	11.0	16.4



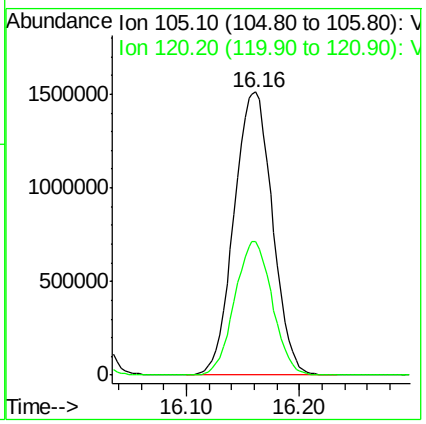


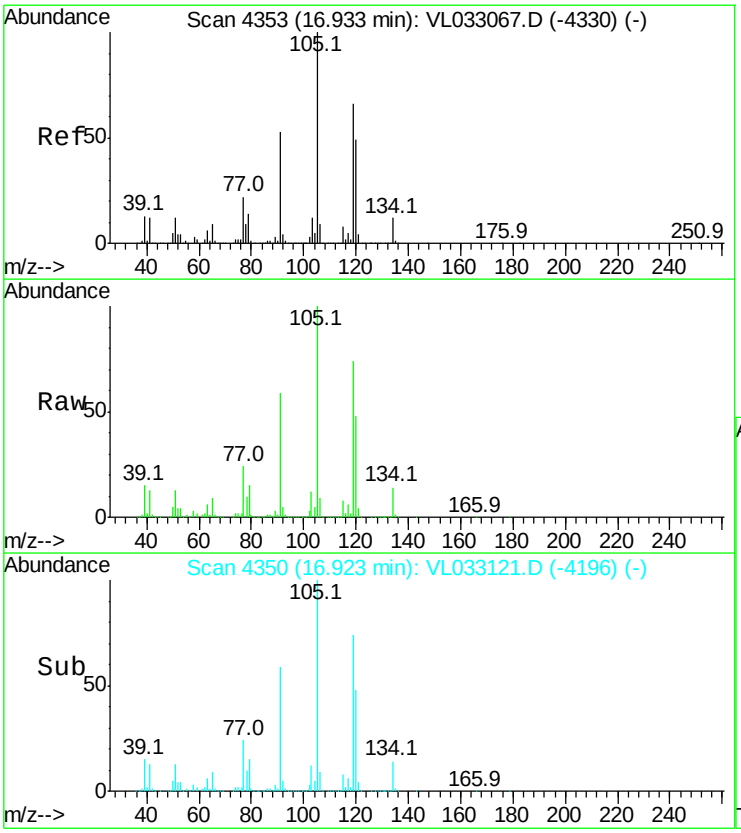
#73
1,3,5-Trimethylbenzene
Concen: 8.733 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 3556301

Ion	Ratio	Lower	Upper
105	100		
120	47.0	37.5	56.3

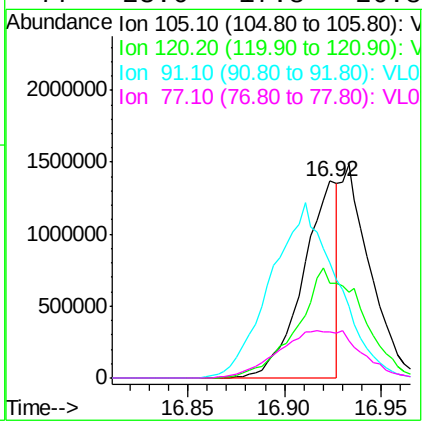


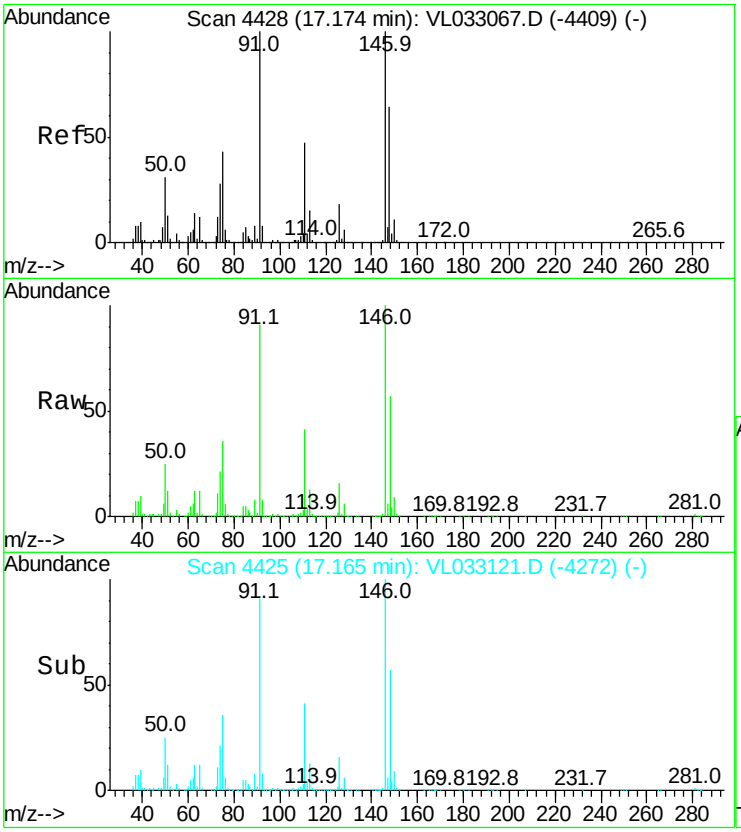


#74
1,2,4-Trimethylbenzene
Concen: 3.765 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:105 Resp: 1698243

Ion	Ratio	Lower	Upper
105	100		
120	48.0	37.9	56.9
91	58.7	39.8	59.8
77	23.6	17.8	26.8



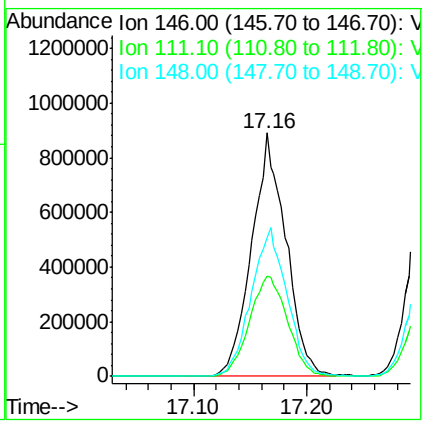


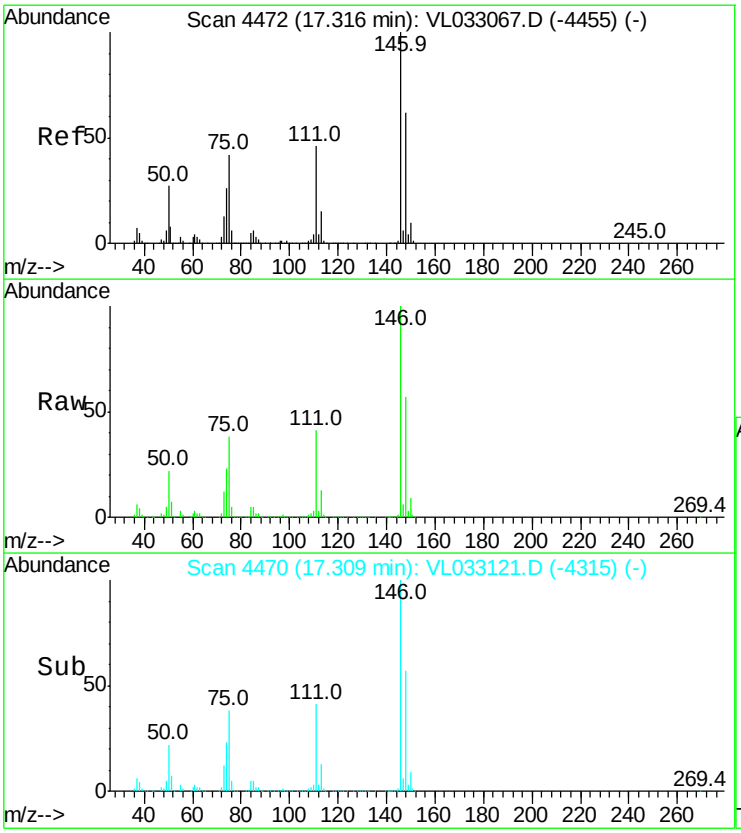
#75
1,3-Dichlorobenzene
Concen: 7.022 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 1864159

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.4	70.0
148	63.9	32.1	96.3

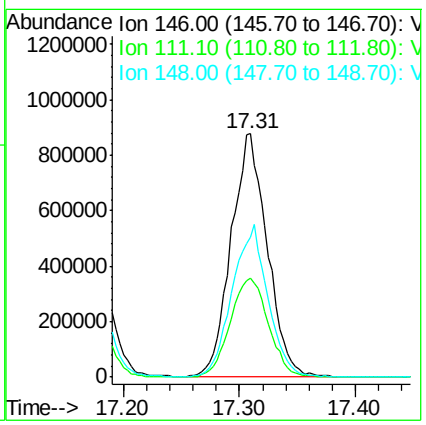


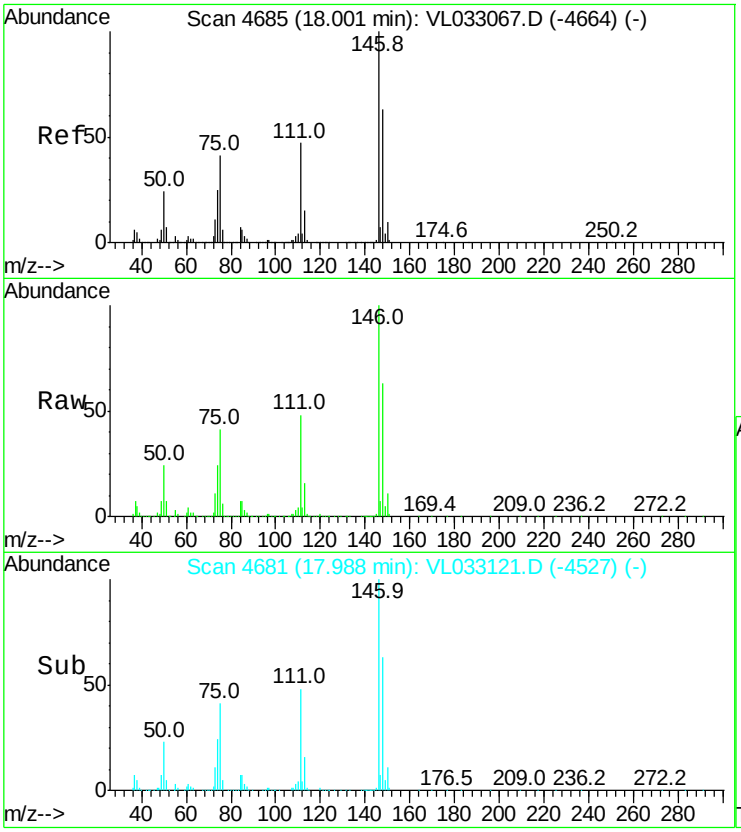


#76
1,4-Dichlorobenzene
Concen: 7.774 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:146 Resp: 1879956

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.7	68.0
148	62.3	32.1	96.3



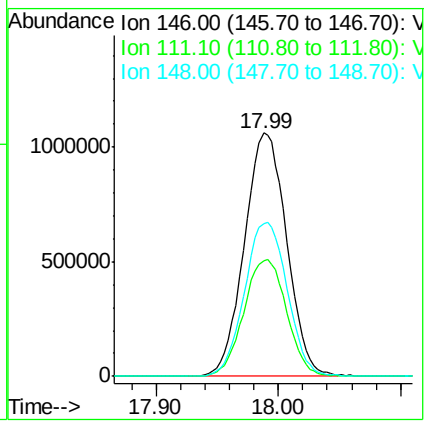


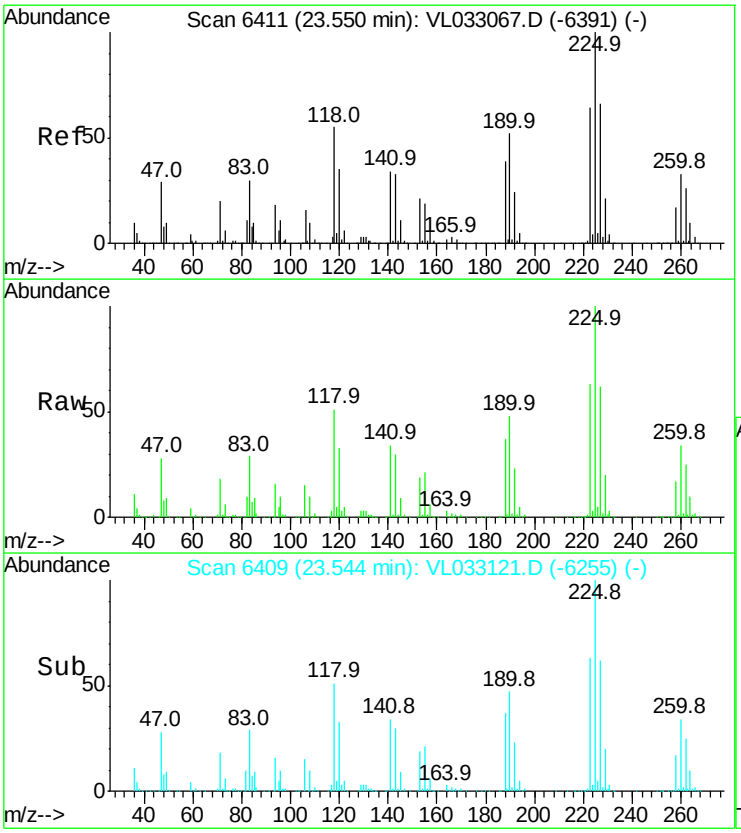
#77
1,2-Dichlorobenzene
Concen: 10.621 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2539300

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.4	73.2
148	64.3	32.6	97.7

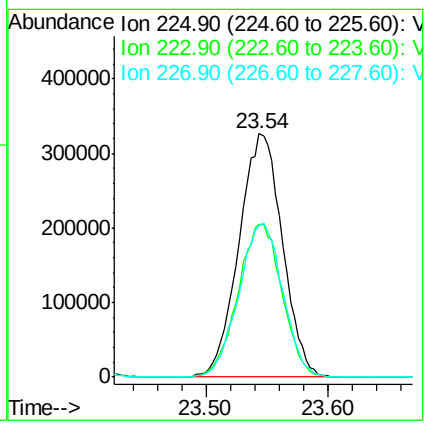


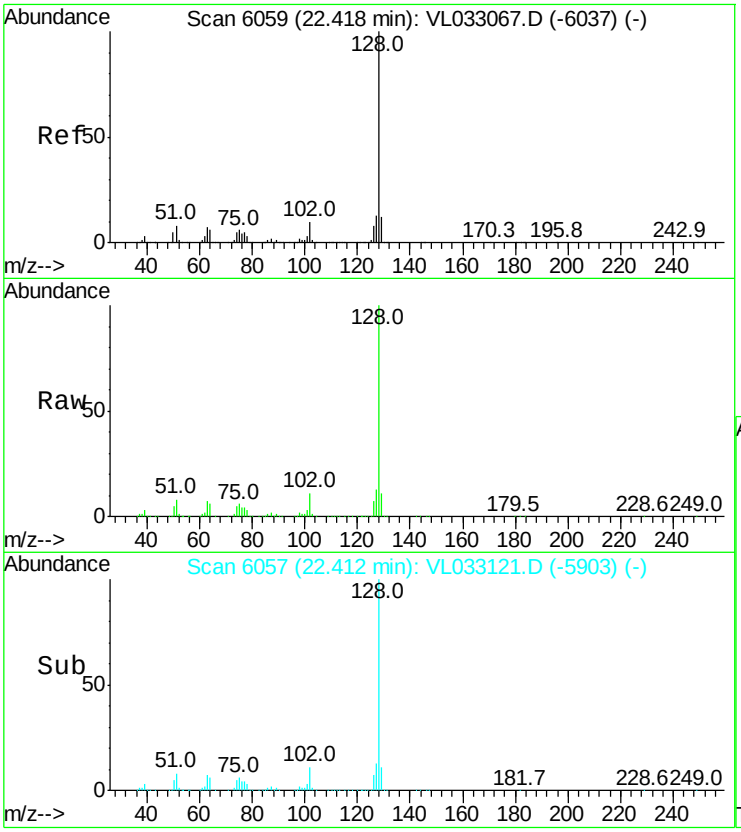


#78
Hexachloro-1,3-Butadiene
Concen: 4.359 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:225 Resp: 800409

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.5	75.7
227	64.1	51.0	76.4



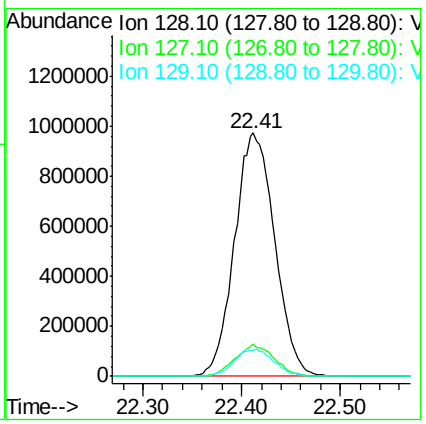


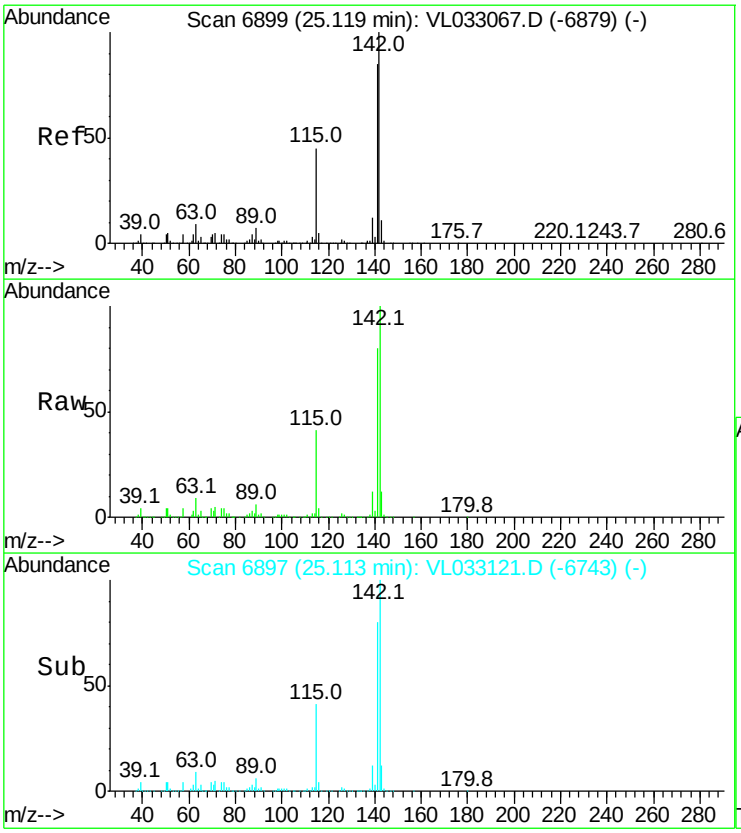
#79
Naphthalene
Concen: 7.208 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 2738480

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	9.2	13.8

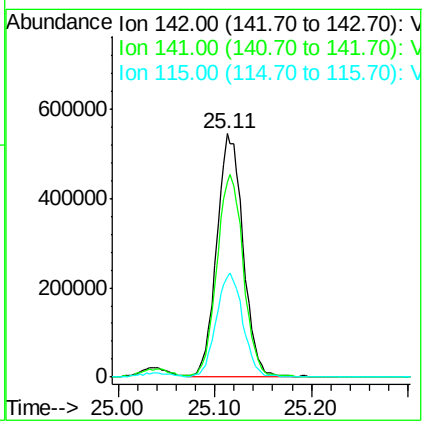


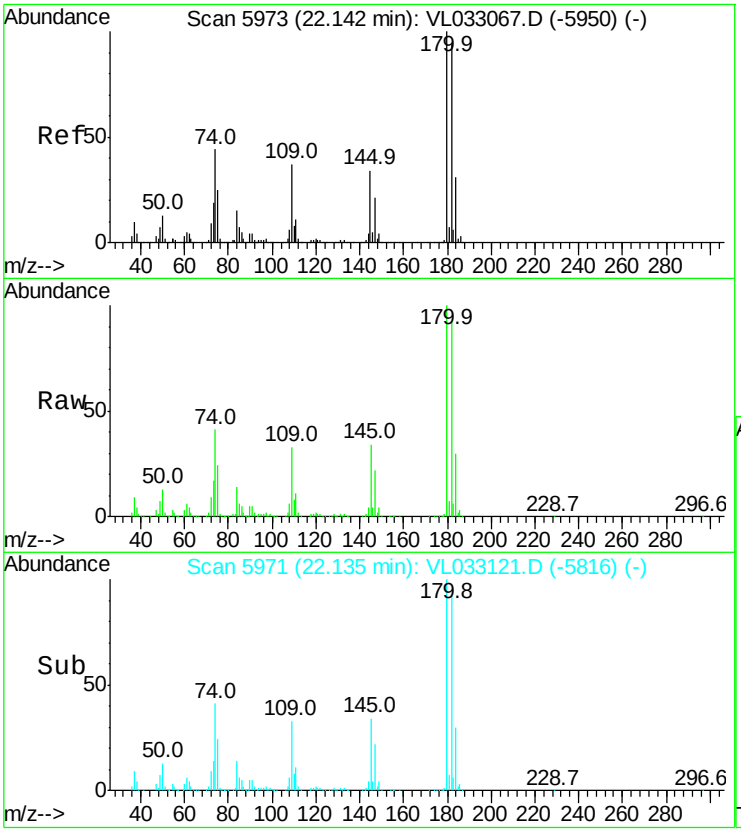


#80
Naphthalene,2-methyl-
Concen: 8.891 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Tgt Ion:142 Resp: 1025006

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.4	101.2
115	43.1	34.9	52.3





#81
1,2,4-Trichlorobenzene
Concen: 7.182 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.00 min
Lab File: VL033121.D
Acq: 28 Jan 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1318056

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
184	30.0	24.2	36.4