Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\

Quantitation Report (Not Reviewed)

Data File : VL033602.D
Acq On : 17 Apr 2019 14:59
Operator : SY/AP
Sample : VL0417ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Quant Time: Apr 18 05:38:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	852486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2169687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2660853	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1735160	8.32	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	910949	7.327	ppbv	99
3) Chlorodifluoromethane	3.01	51	892723	9.096	ppbv	99
4) Chloromethane	3.17	50	496323	9.557	ppbv	94
5) Vinyl Chloride	3.29	62	489574	9.595	ppbv	100
6) Bromomethane	3.52	94	316223	9.643	ppbv	92
7) Chloroethane	3.60	64	180397	9.499	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1201434	9.069	ppbv	99
9) Propene	3.04	41	398626	9.672	ppbv	99
10) Heptane	8.25	43	1000522	9.082	ppbv	99
11) Trichlorofluoromethane	4.00	101	1404573	9.166	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	958593	9.314	ppbv	99
13) Ethanol	3.65	45	118311	11.093	ppbv	67
14) Bromoethene	3.79	108	397487	9.683	ppbv	99
15) Acetone	3.90	43	904583	8.825	ppbv	98
16) 1,3-Butadiene	3.36	39	399185	9.818	ppbv	90
17) tert-Butyl alcohol	4.35	59	199534	10.587	ppbv	99
18) 1,1-Dichloroethene	4.35	96	427853	9.678	ppbv	98
19) Isopropyl Alcohol	4.02	45	697685	10.761	ppbv	100
20) Methylene Chloride	4.41	84	383433	8.812	ppbv	93
21) Allyl Chloride	4.48	41	628850	9.705	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	445408	9.657	ppbv	95
23) Vinyl Acetate	5.16	43	1433449	9.825	ppbv	99
24) 1,1-Dichloroethane	5.09	63	999150	9.016	ppbv	100
25) Ethyl Acetate	5.77	43	1669523	8.779	ppbv	99
26) Hexane	5.78	57	765991	9.059	ppbv	96
27) Carbon Disulfide	4.62	76	1072429	10.665	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1216017	9.984	ppbv	100
29) Chloroform	5.85	83	1266586	8.738	ppbv	97
30) Cyclohexane	7.25	84	665878	9.954	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	777254	9.245	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1297669	9.401	ppbv	99
34) 2-Butanone	5.33	43	1113643	8.543	ppbv	99
35) Carbon Tetrachloride	7.14	117	1397830	9.096	ppbv	97
36) Benzene	7.01	78	1655565	9.094	ppbv	98
37) 1,2-Dichloroethane	6.42	62	980012	8.031	ppbv	99
38) Trichloroethene	7.96	130	657909	9.603	ppbv	98
39) 1,2-Dichloropropane	7.74	63	608243	8.529	ppbv	97
40) 1,4-Dioxane	7.95	88	239496	9.416	ppbv	87
41) Tetrahydrofuran	6.15	42	639234	8.915	ppbv	97
42) Bromodichloromethane	7.92	83	1429174	8.599	ppbv	98
43) Methyl Methacrylate	8.14	69	656427	8.880	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\

Quantitation Report (Not Reviewed)

Data File : VL033602.D
Acq On : 17 Apr 2019 14:59
Operator : SY/AP
Sample : VL0417ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Quant Time: Apr 18 05:38:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2727097	8.572	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	915584	10.088	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	1029980	9.718	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	693449	8.563	ppbv		97
48) Dibromochloromethane	10.45	129	1254957	9.188	ppbv		100
49) Bromoform	13.20	173	1164613	8.925	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1652537	8.658	ppbv		98
51) 2-Hexanone	10.27	43	1305722	9.170	ppbv	#	100
52) Tetrachloroethene	11.37	164	633032	9.216	ppbv		99
53) Toluene	9.95	91	1951355	9.224	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1117265	8.821	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	867581	7.114	ppbv	#	56
57) Chlorobenzene	12.30	112	1473035	7.129	ppbv		97
58) Ethyl Benzene	12.86	91	2703209	7.607	ppbv		99
59) m/p-Xylene	13.15	91	2049302	6.457	ppbv	#	100
60) o-Xylene	13.85	91	2288526	7.457	ppbv		99
61) Styrene	13.69	104	1709298	8.115	ppbv		99
62) Isopropylbenzene	14.83	105	3212604	7.392	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1584804	7.013	ppbv		99
64) n-propylbenzene	15.72	120	827536	7.504	ppbv		98
65) tert-Butylbenzene	16.91	119	2909349	7.596	ppbv		98
66) Benzyl Chloride	17.15	91	1658916	9.315	ppbv		99
67) sec-Butylbenzene	17.46	105	4100611	7.529	ppbv		100
69) p-Isopropyltoluene	17.82	119	3421480	7.715	ppbv		99
70) n-Butylbenzene	18.71	91	3534796	7.523	ppbv		99
71) 2-Chlorotoluene	15.61	91	2483906	7.516	ppbv		99
72) 4-Ethyltoluene	16.00	105	2663147	7.719	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	2554857	7.739	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	2656672	7.508	ppbv		96
75) 1,3-Dichlorobenzene	17.16	146	1584098	7.243	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1585061	7.438	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1555763	7.497	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	912343	6.642	ppbv		99
79) Naphthalene	22.41	128	2623870	8.662	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	1152179	11.334	ppbv		98
81) 1,2,4-Trichlorobenzene	22.14	180	1390903	8.278	ppbv		99

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

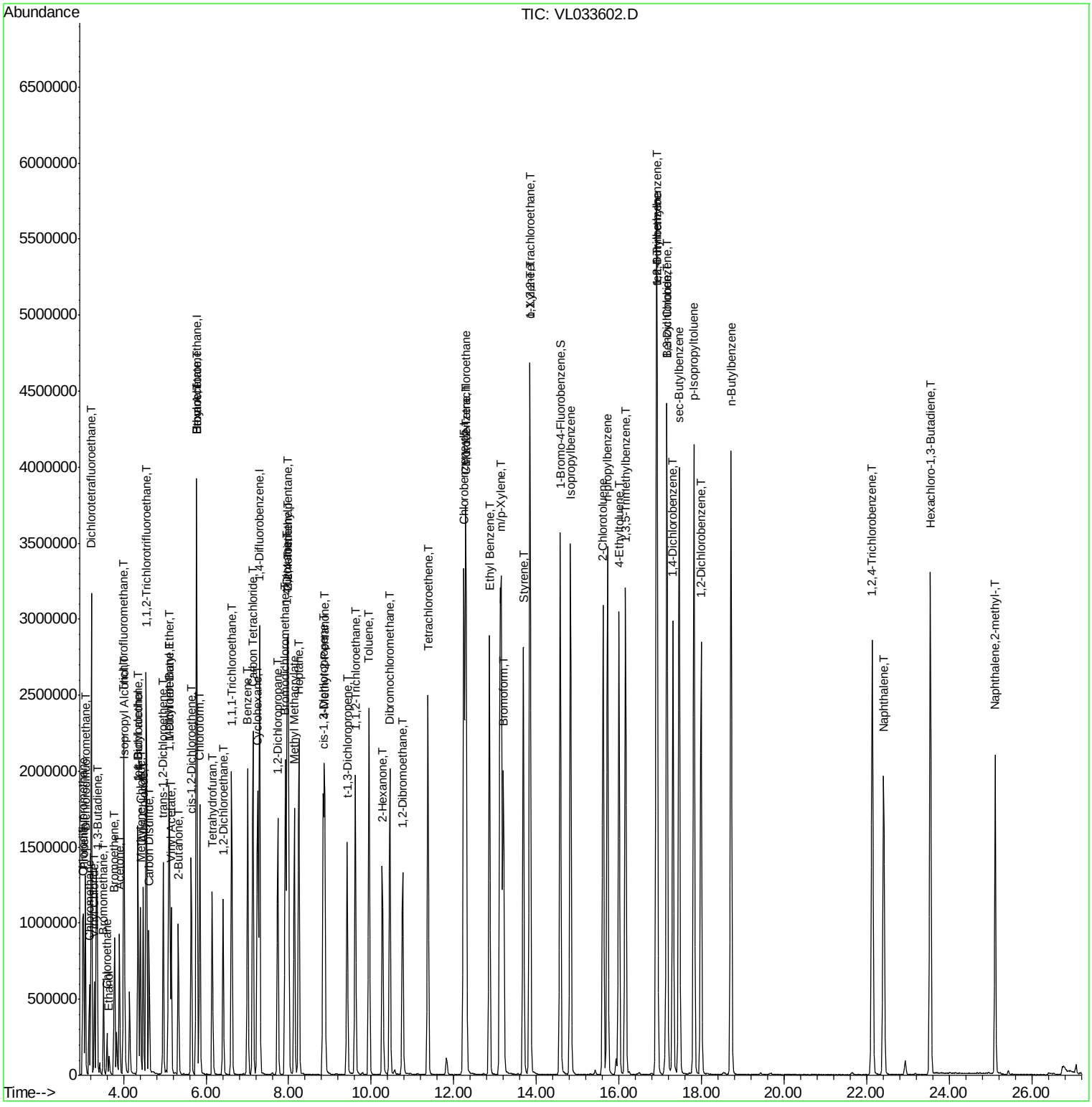
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\

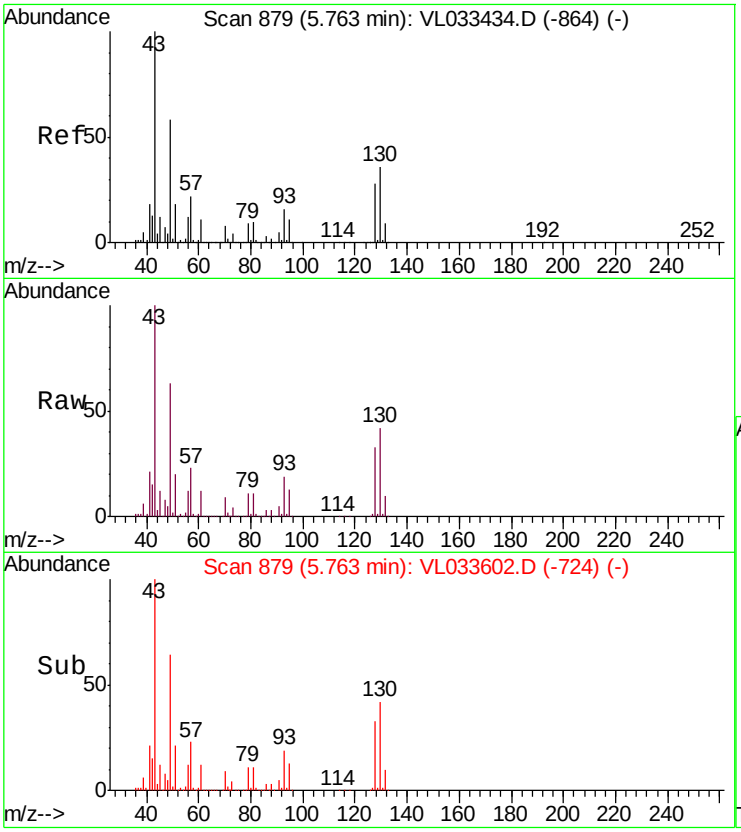
Quantitation Report (Not Reviewed)

Data File : VL033602.D
Acq On : 17 Apr 2019 14:59
Operator : SY/AP
Sample : VL0417ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Quant Time: Apr 18 05:38:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



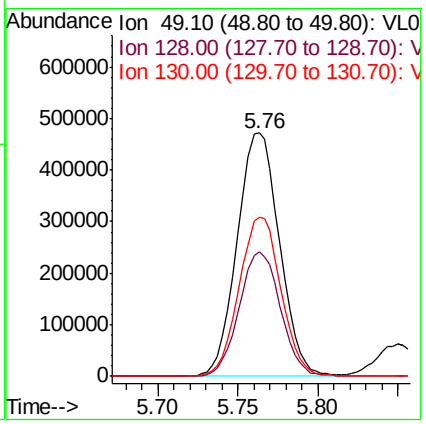


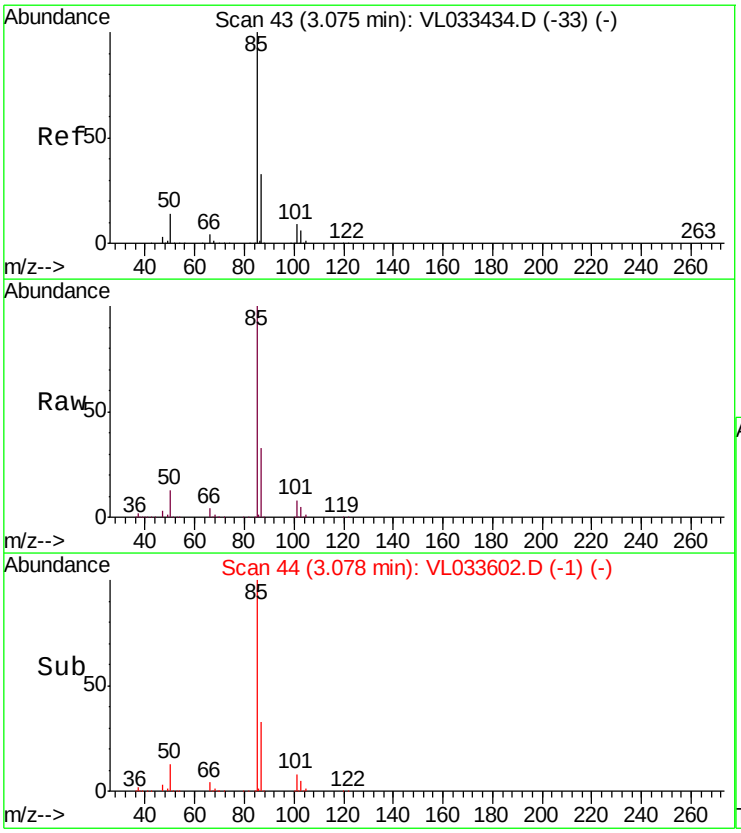
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 49 Resp: 852486

Ion	Ratio	Lower	Upper
49	100		
128	50.0	24.0	72.0
130	64.9	31.2	93.6

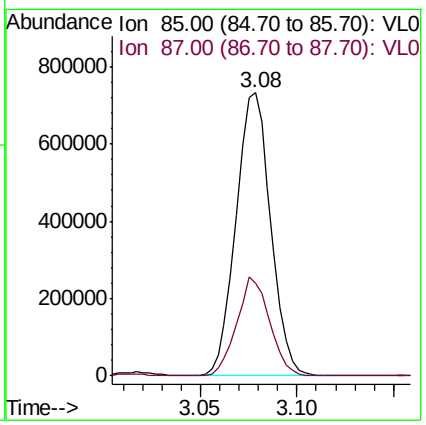


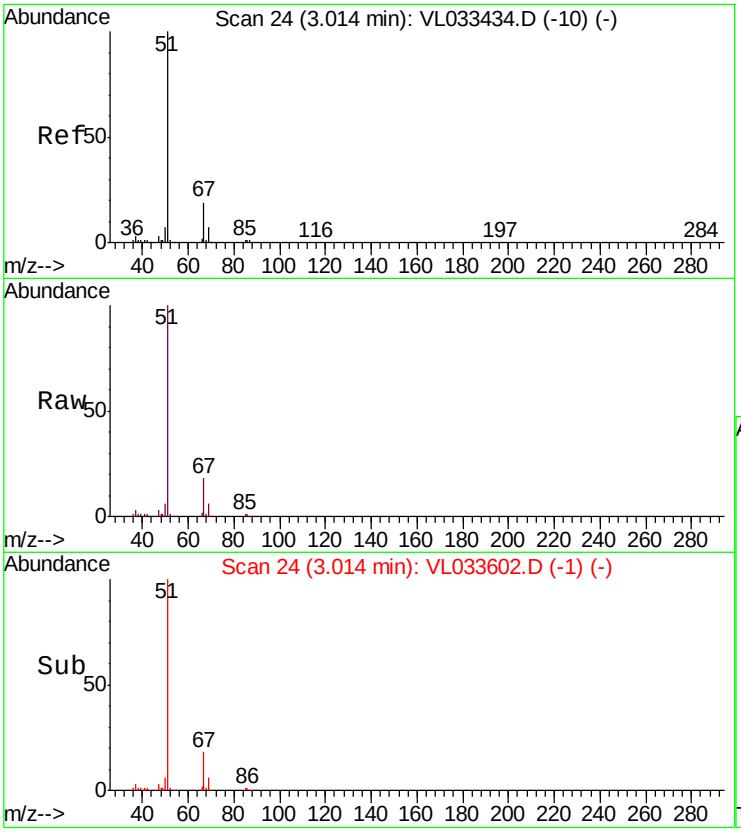


#2
Dichlorodifluoromethane
Concen: 7.327 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 85 Resp: 910949

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.7	40.1



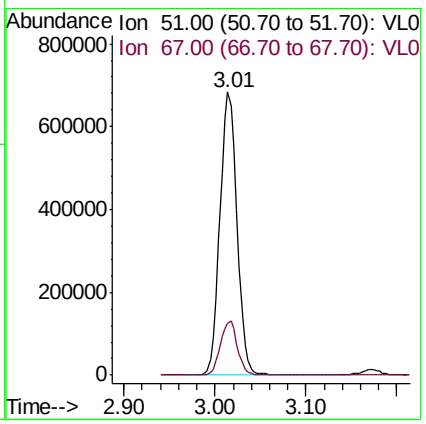


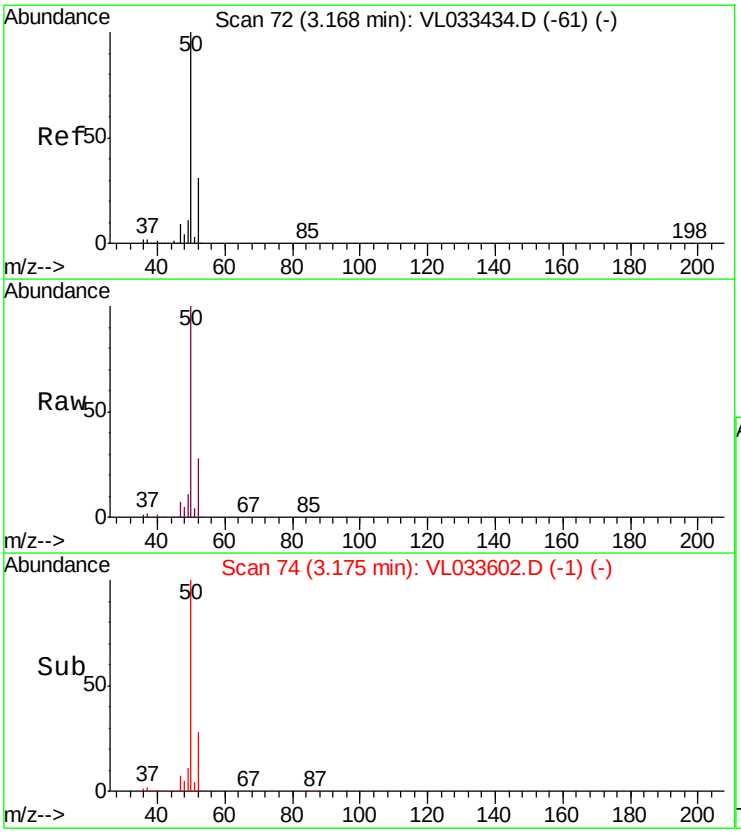
#3
Chlorodifluoromethane
Concen: 9.096 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 51 Resp: 892723

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.7	23.5

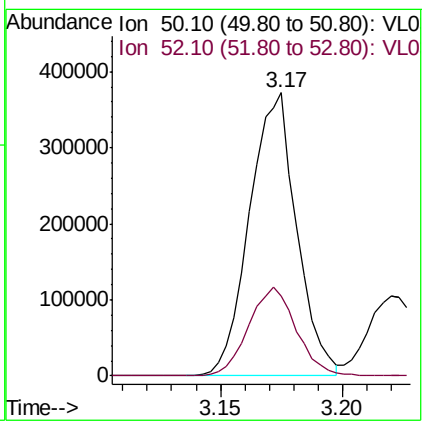


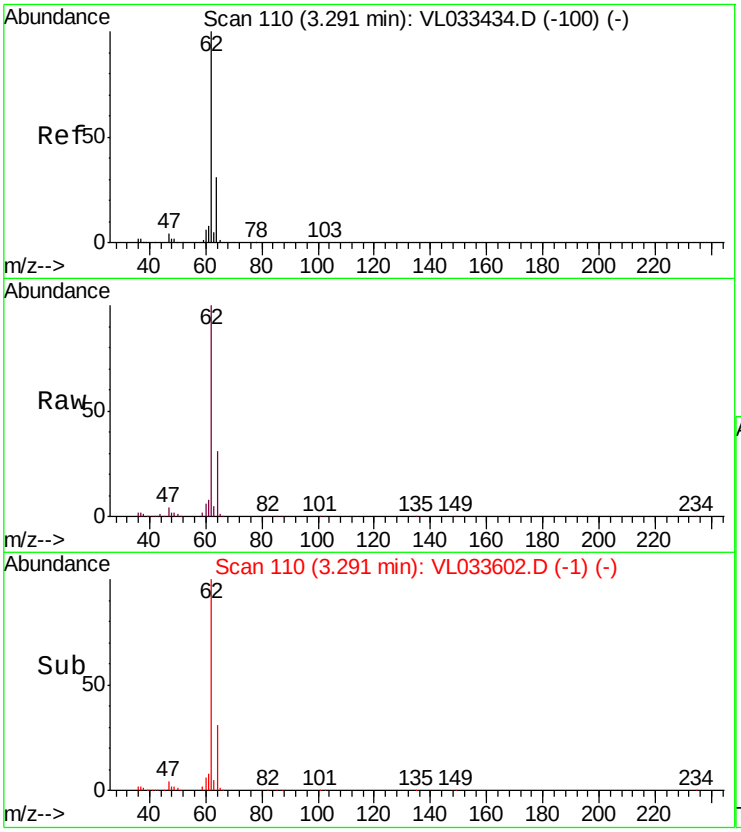


#4
Chloromethane
Concen: 9.557 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 50 Resp: 496323

Ion	Ratio	Lower	Upper
50	100		
52	28.2	25.0	37.6



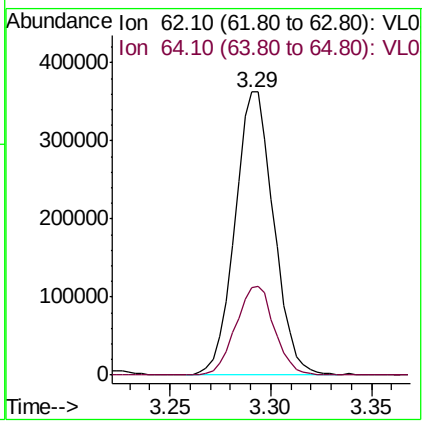


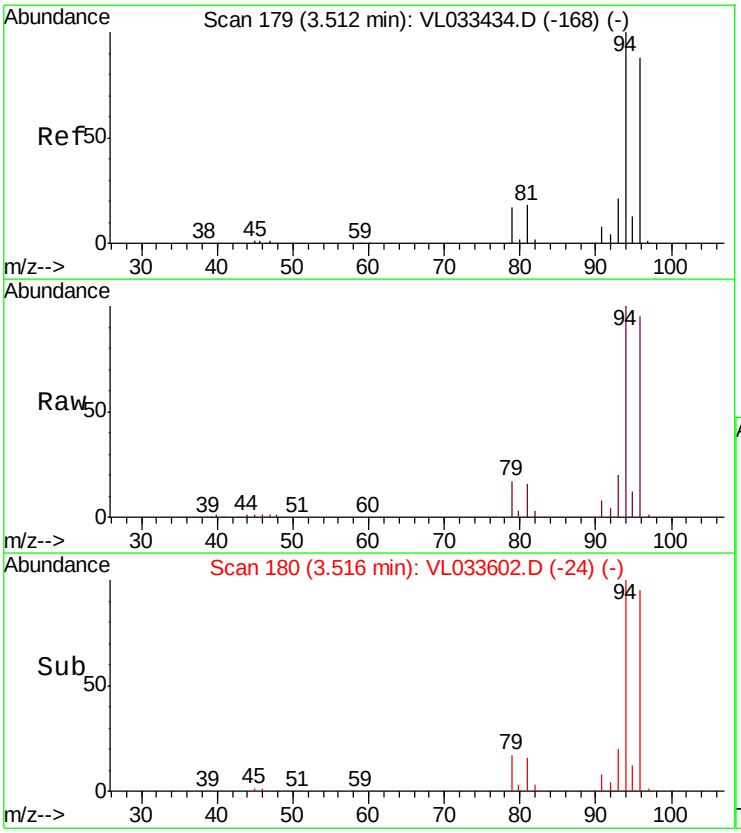
#5
Vinyl Chloride
Concen: 9.595 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 62 Resp: 489574

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

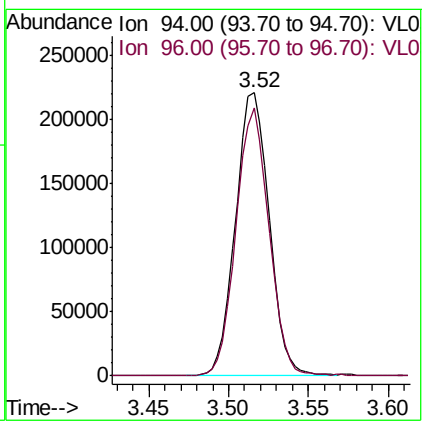


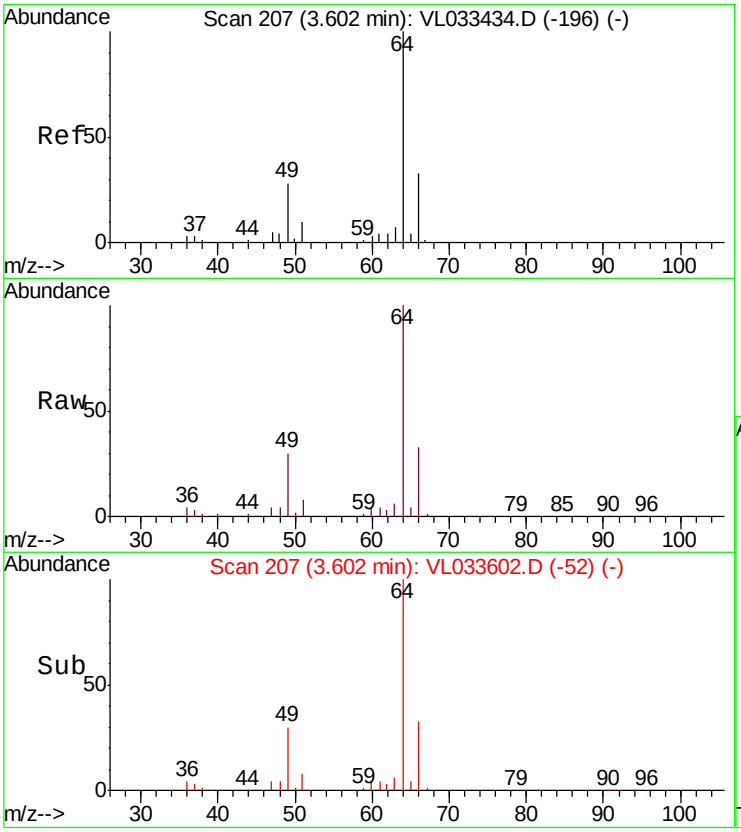


#6
Bromomethane
Concen: 9.643 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 94 Resp: 316223

Ion	Ratio	Lower	Upper
94	100		
96	94.7	70.2	105.2



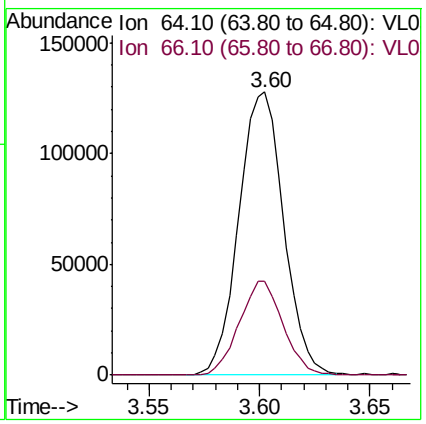


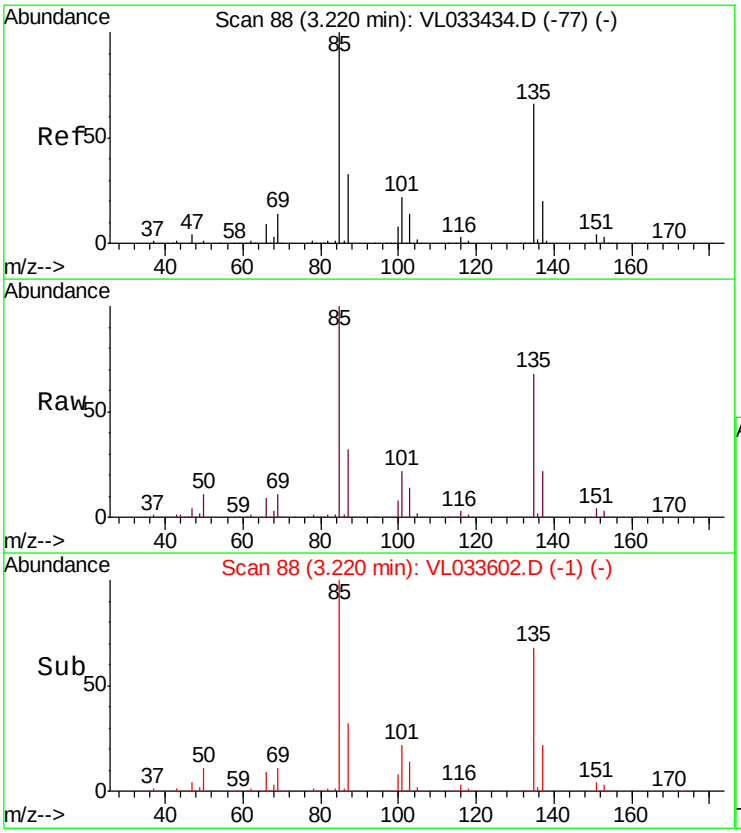
#7
Chloroethane
Concen: 9.499 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 64 Resp: 180397

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.7	40.1

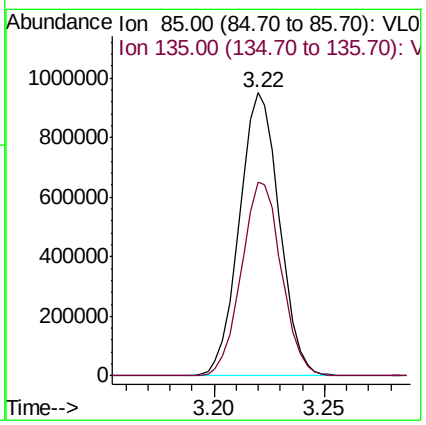


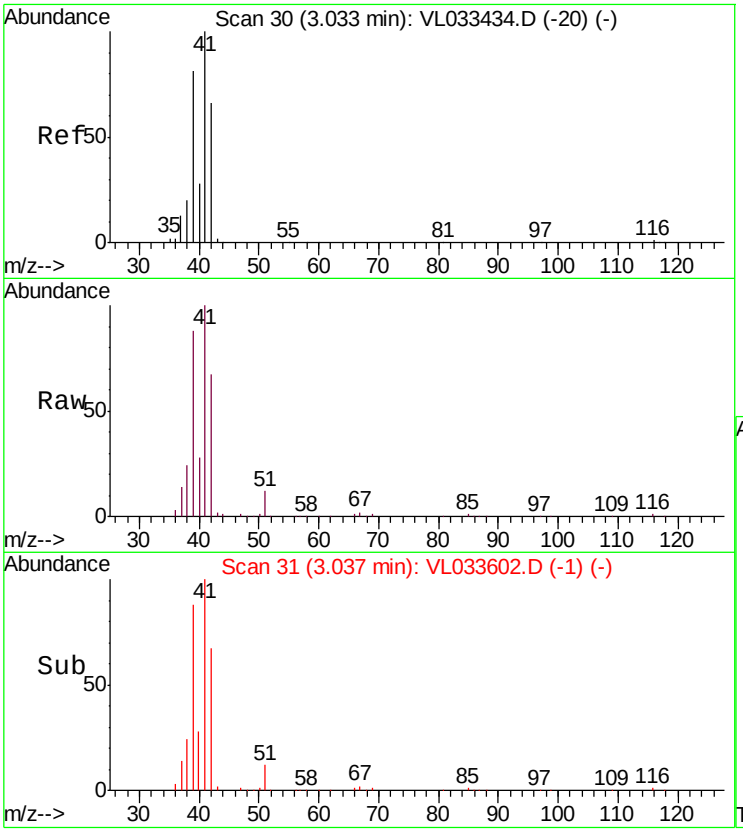


#8
Dichlorotetrafluoroethane
Concen: 9.069 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 85 Resp: 1201434

Ion	Ratio	Lower	Upper
85	100		
135	68.7	54.0	81.0



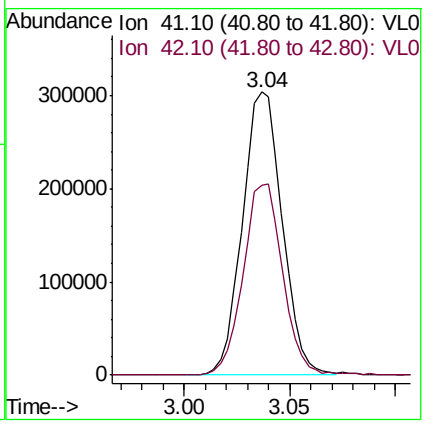


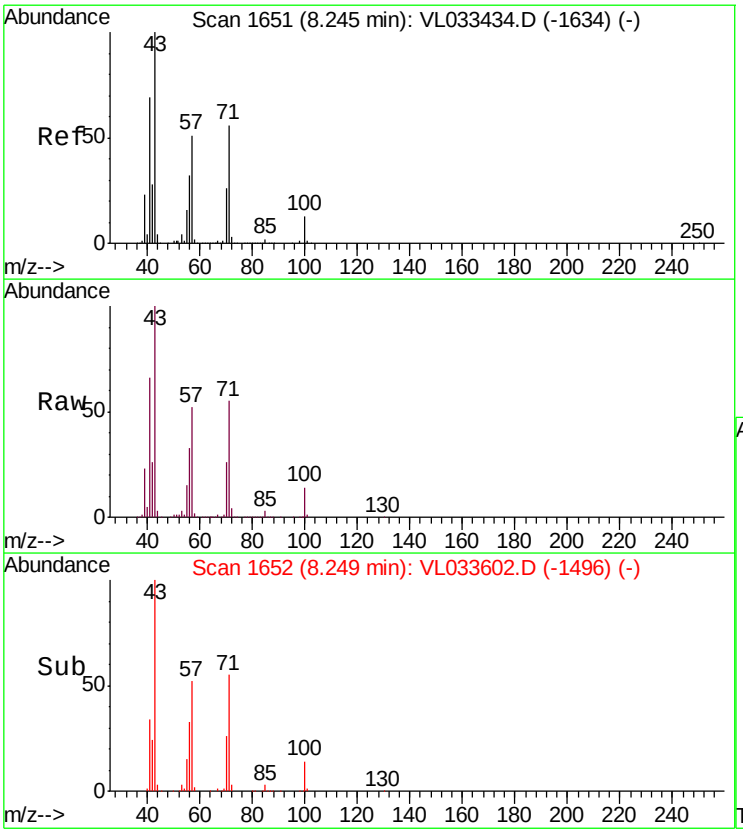
#9
Propene
Concen: 9.672 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 41 Resp: 398626

Ion	Ratio	Lower	Upper
41	100		
42	67.9	53.9	80.9

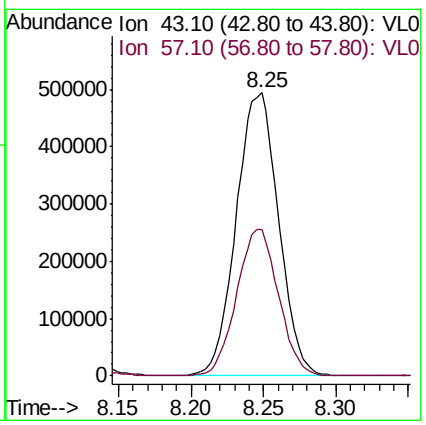


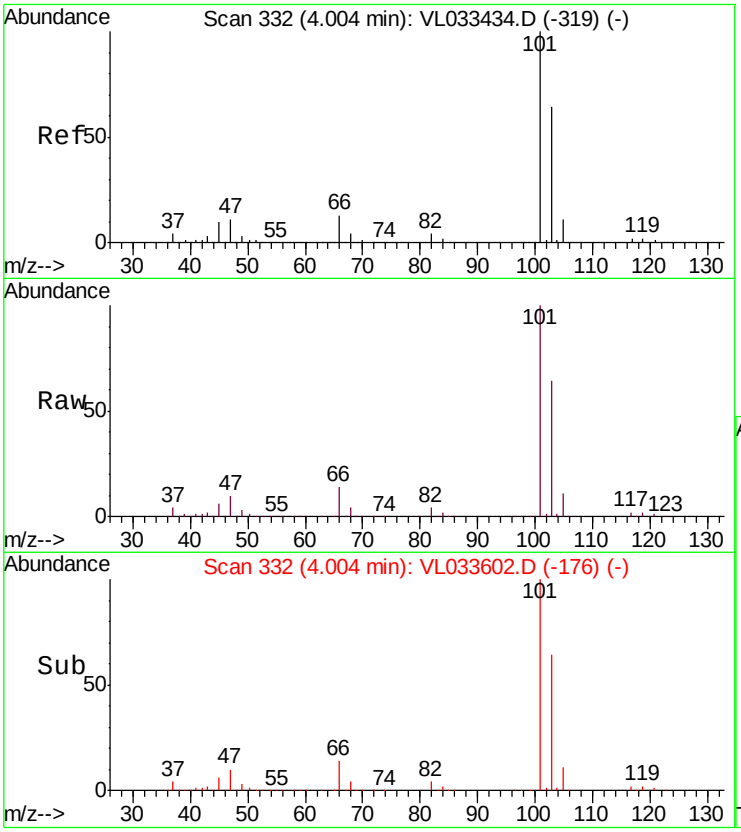


#10
Heptane
Concen: 9.082 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 43 Resp: 1000522

Ion	Ratio	Lower	Upper
43	100		
57	51.1	40.6	60.8



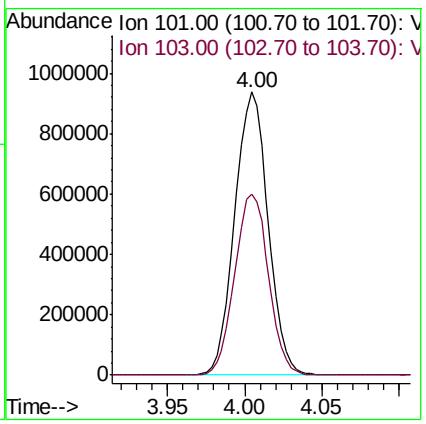


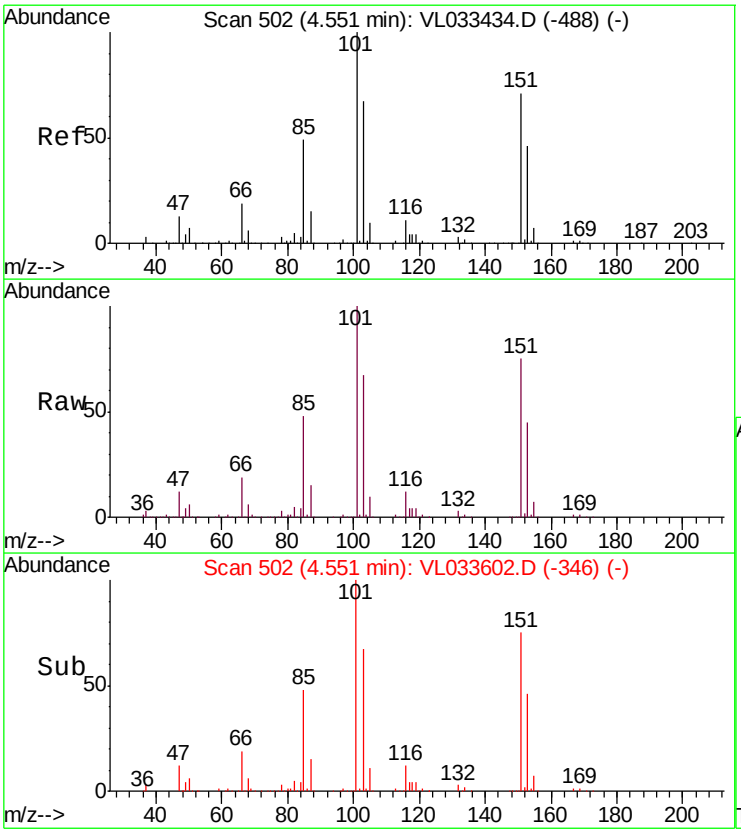
#11
Trichlorofluoromethane
Concen: 9.166 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:101 Resp: 1404573

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

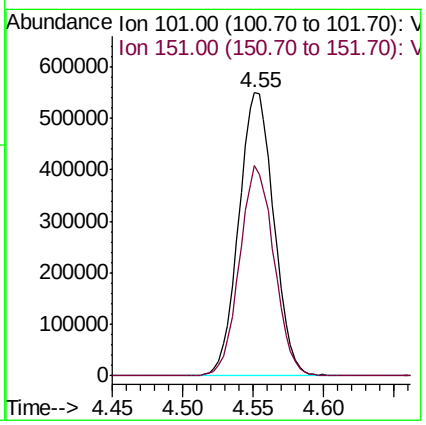


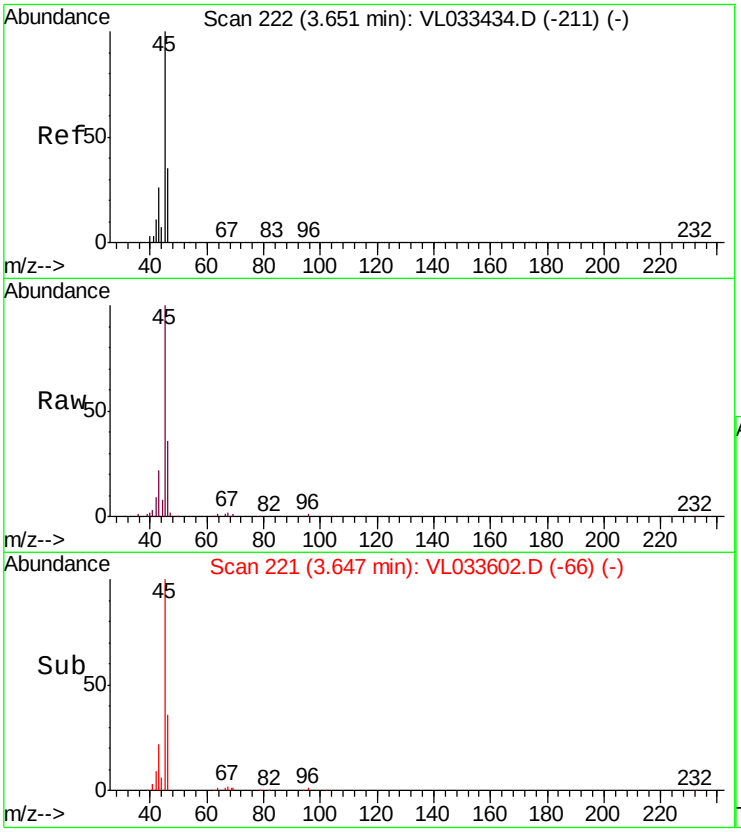


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.314 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:101 Resp: 958593

Ion	Ratio	Lower	Upper
101	100		
151	73.2	57.7	86.5



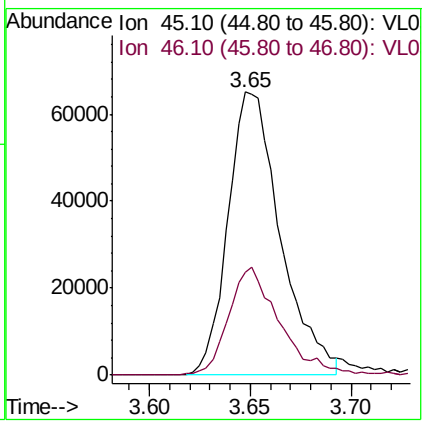


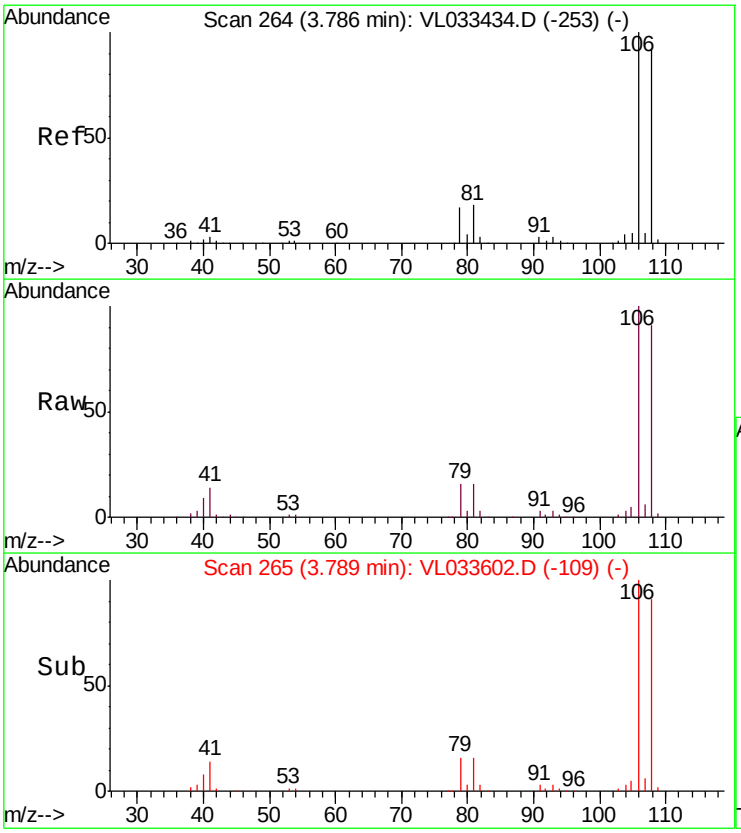
#13
Ethanol
Concen: 11.093 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 45 Resp: 118311

Ion	Ratio	Lower	Upper
45	100		
46	37.6	25.4	101.8

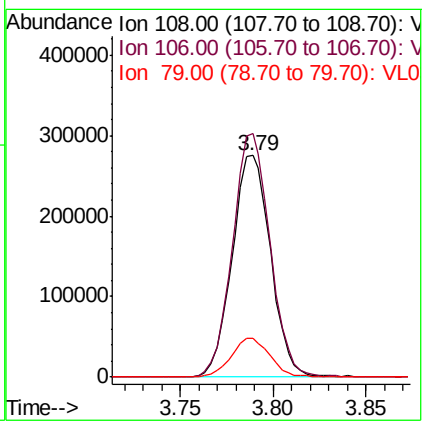


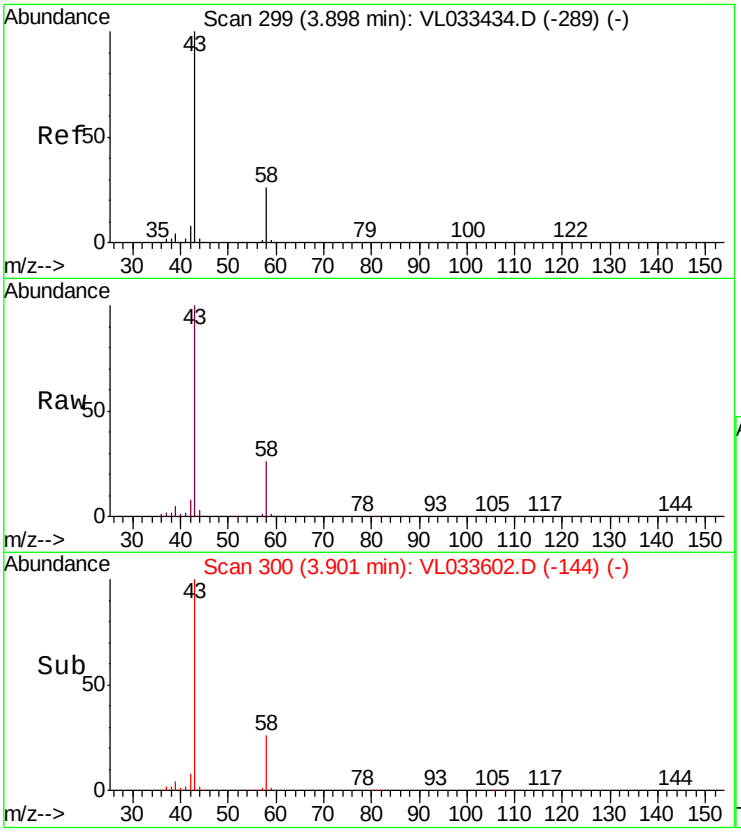


#14
Bromoethene
Concen: 9.683 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:108 Resp: 397487

Ion	Ratio	Lower	Upper
108	100		
106	107.8	86.4	129.6
79	17.8	15.8	23.8



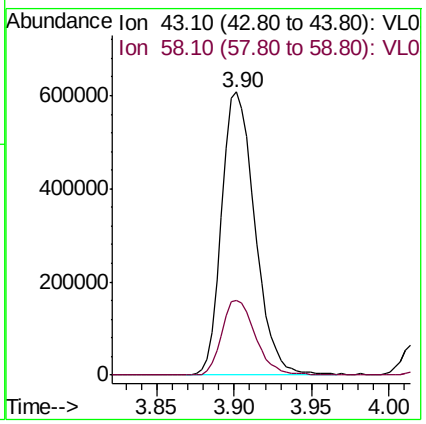


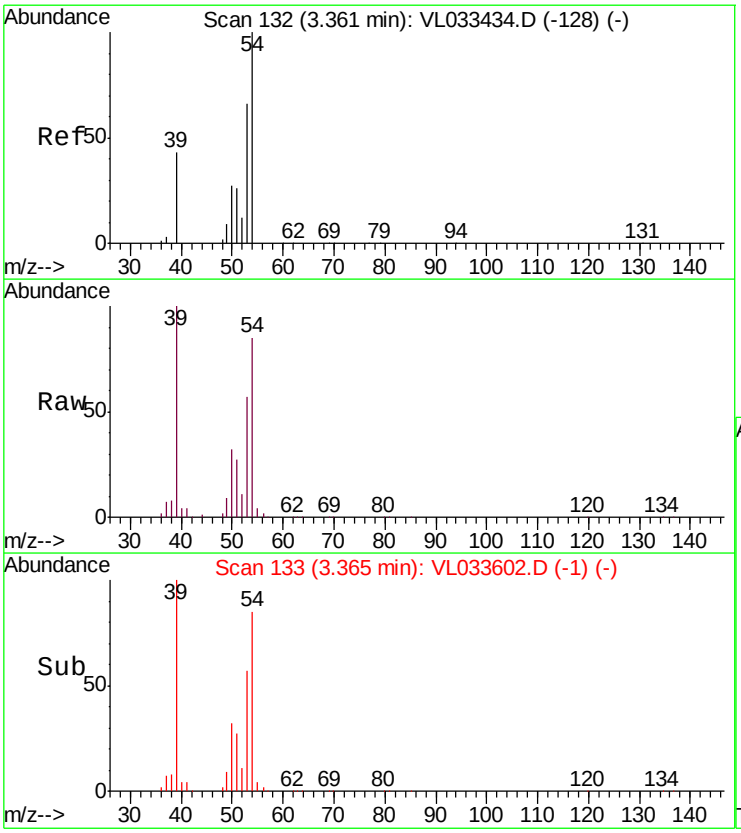
#15
Acetone
Concen: 8.825 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 43 Resp: 904583

Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.5	30.7

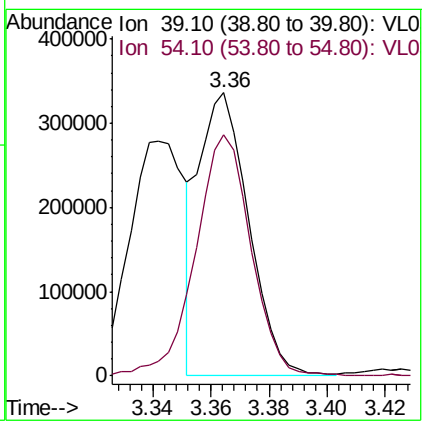


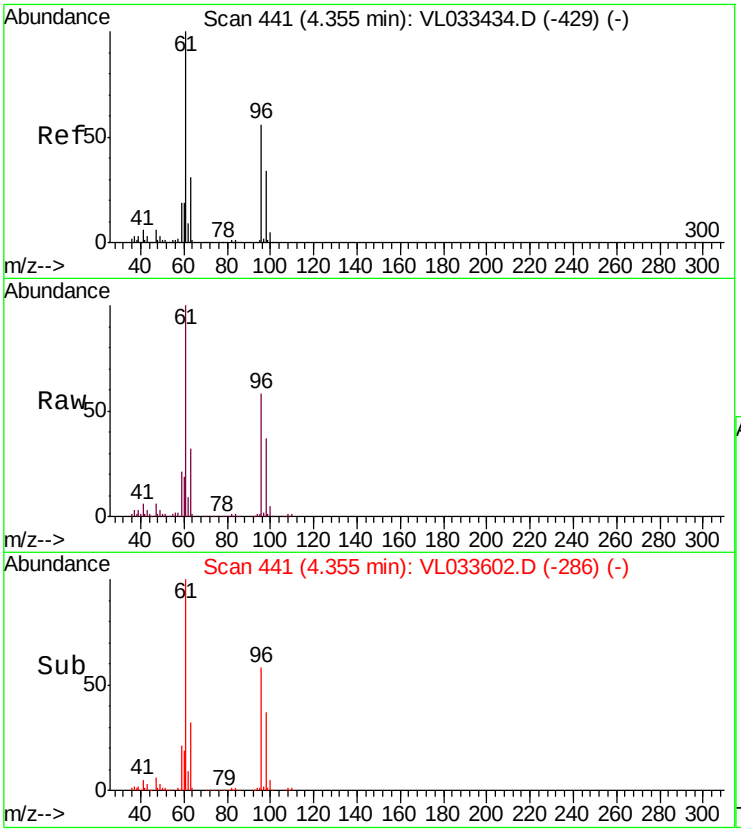


#16
1,3-Butadiene
Concen: 9.818 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 39 Resp: 399185

Ion	Ratio	Lower	Upper
39	100		
54	95.9	69.4	104.2



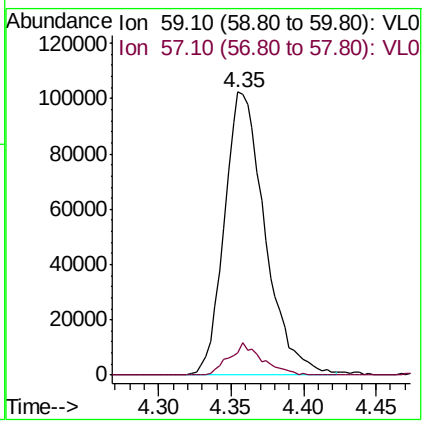


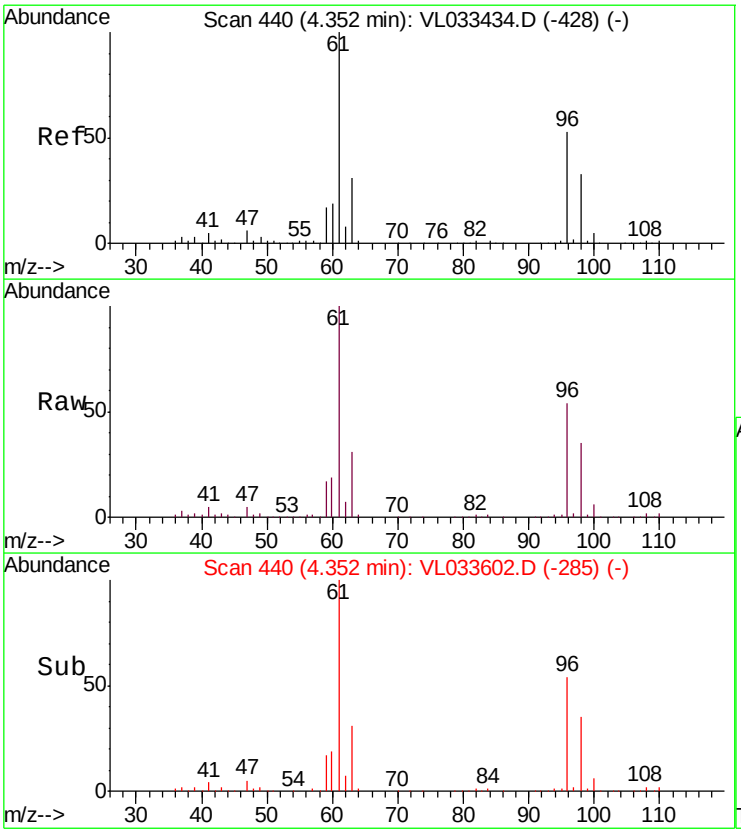
#17
tert-Butyl alcohol
Concen: 10.587 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 59 Resp: 199534

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.8

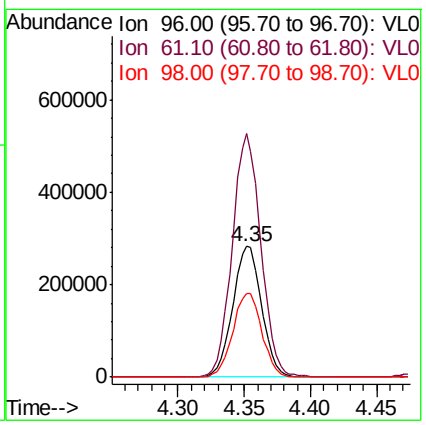


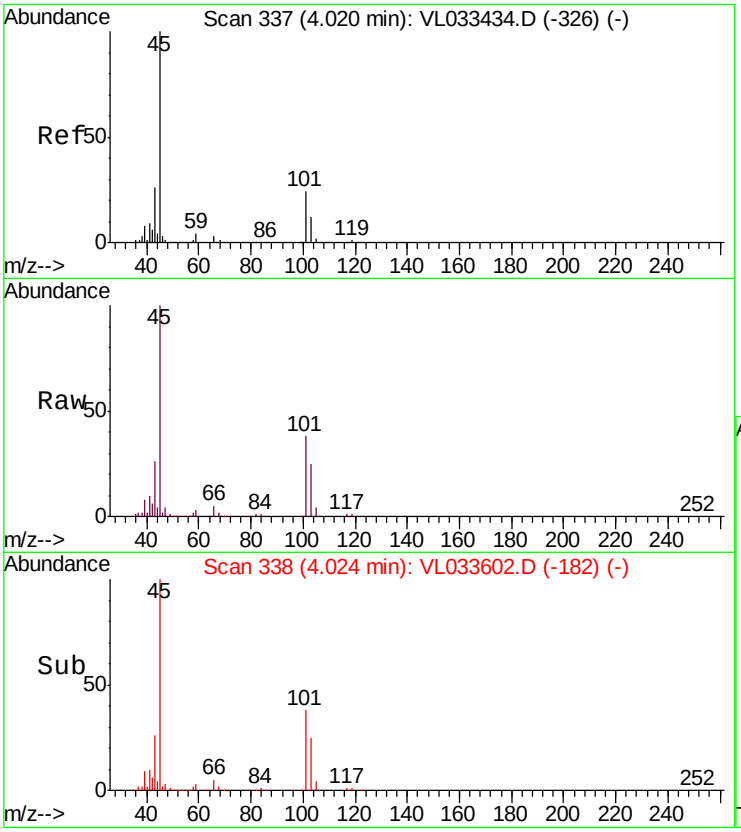


#18
1,1-Dichloroethene
Concen: 9.678 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 96 Resp: 427853

Ion	Ratio	Lower	Upper
96	100		
61	186.0	149.8	224.6
98	64.2	48.7	73.1



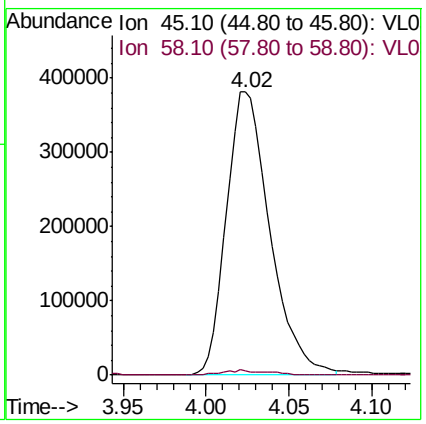


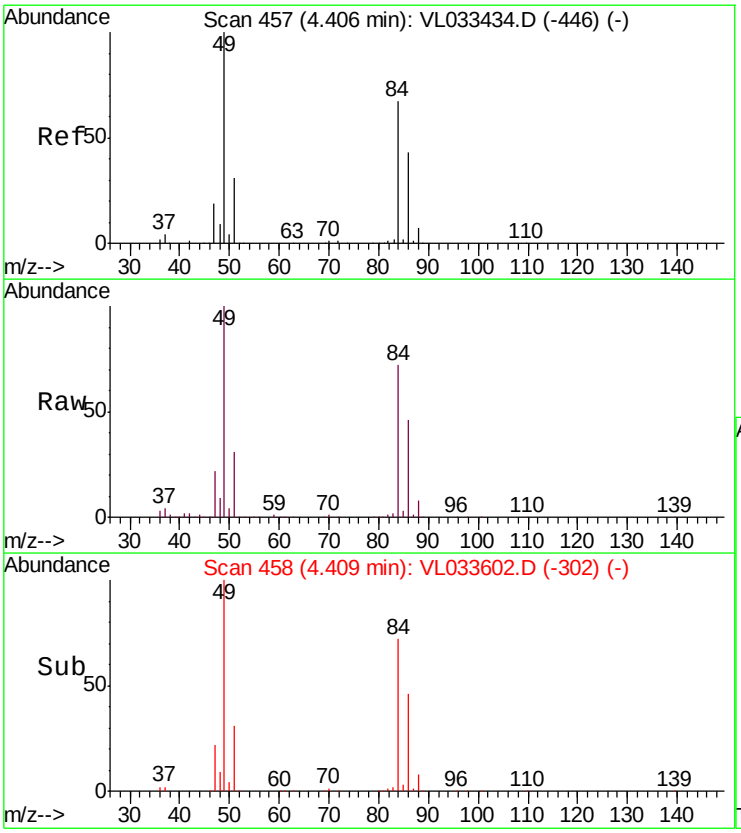
#19
Isopropyl Alcohol
Concen: 10.761 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 45 Resp: 697685

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

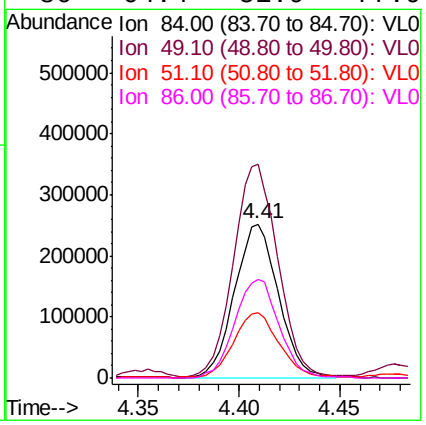


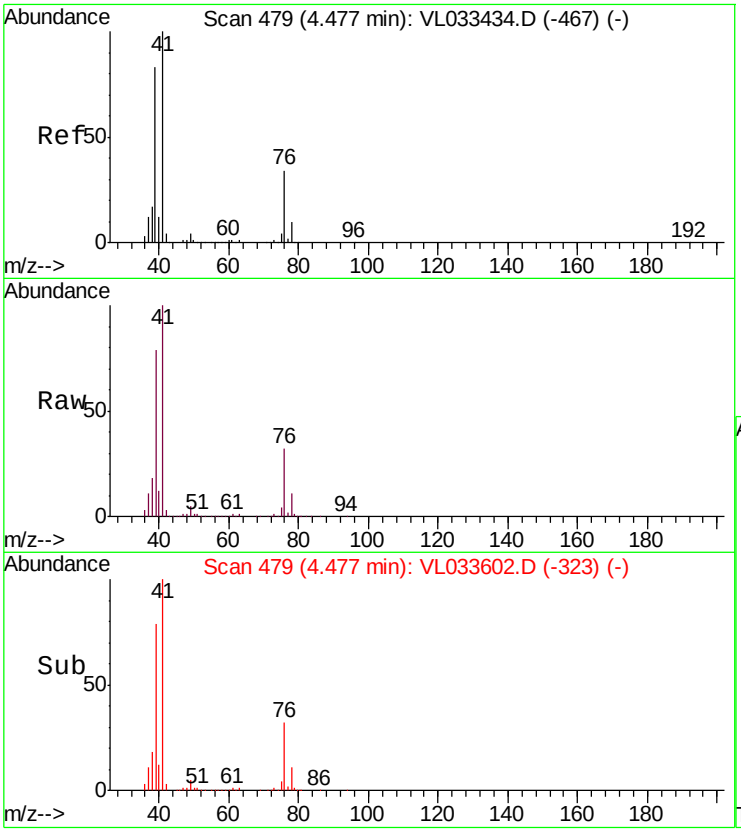


#20
Methylene Chloride
Concen: 8.812 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 84 Resp: 383433

Ion	Ratio	Lower	Upper
84	100		
49	138.2	120.0	180.0
51	42.1	36.7	55.1
86	64.4	51.9	77.9



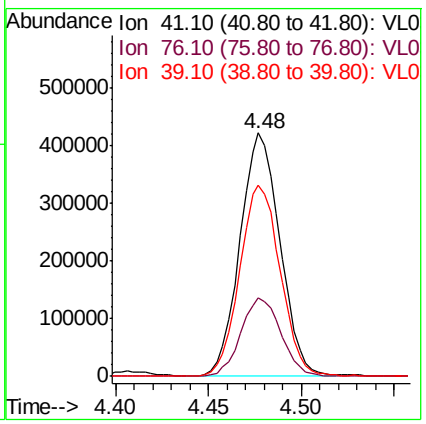


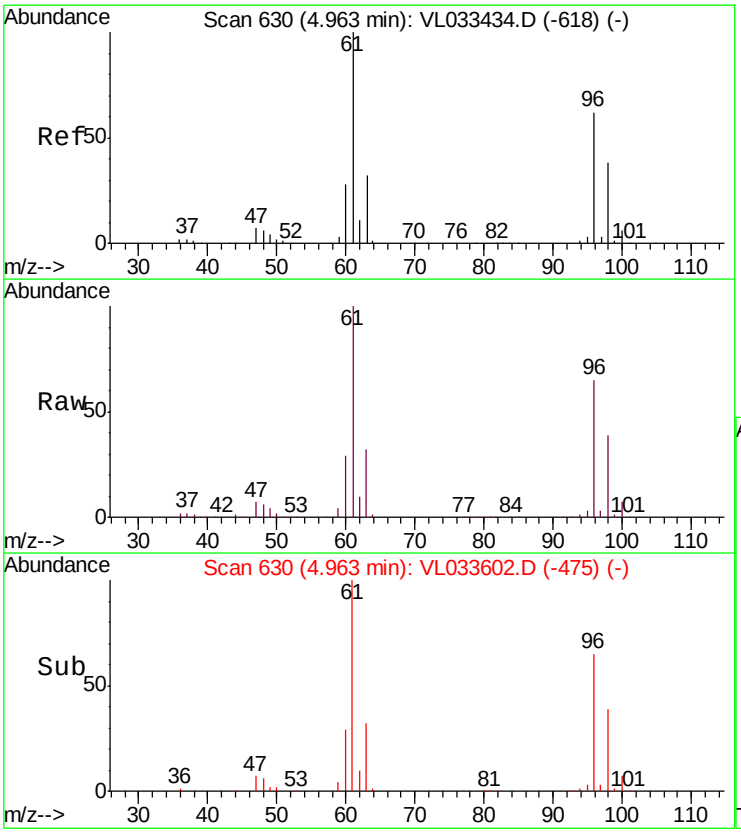
#21
Allyl Chloride
Concen: 9.705 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 41 Resp: 628850

Ion	Ratio	Lower	Upper
41	100		
76	32.6	25.4	38.2
39	80.4	65.3	97.9

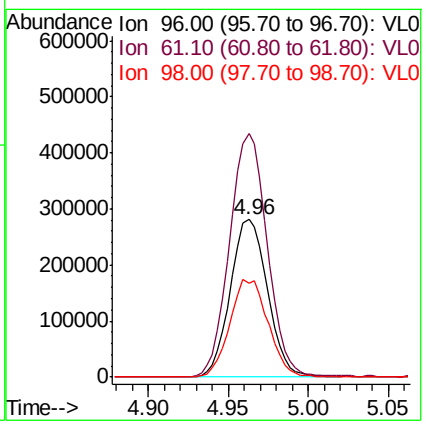


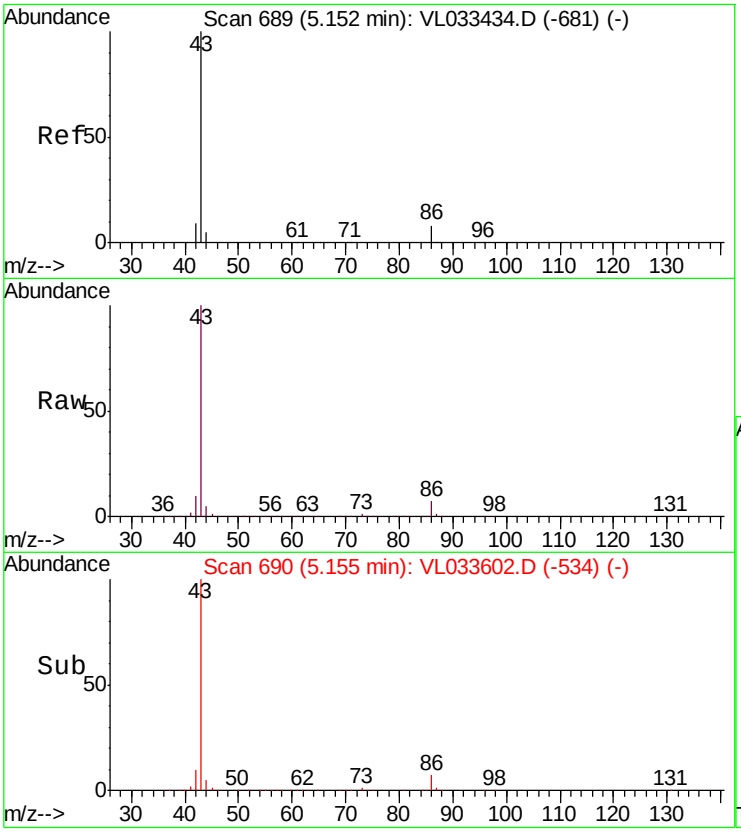


#22
trans-1,2-Dichloroethene
Concen: 9.657 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 96 Resp: 445408

Ion	Ratio	Lower	Upper
96	100		
61	153.9	128.9	193.3
98	59.7	49.5	74.3



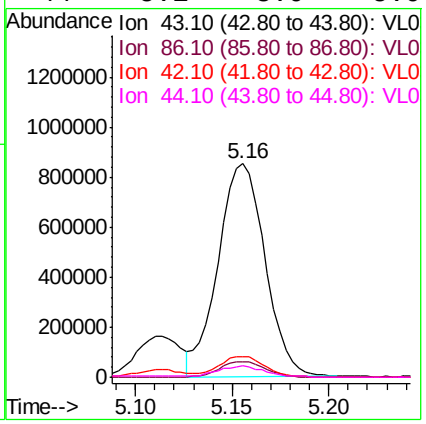


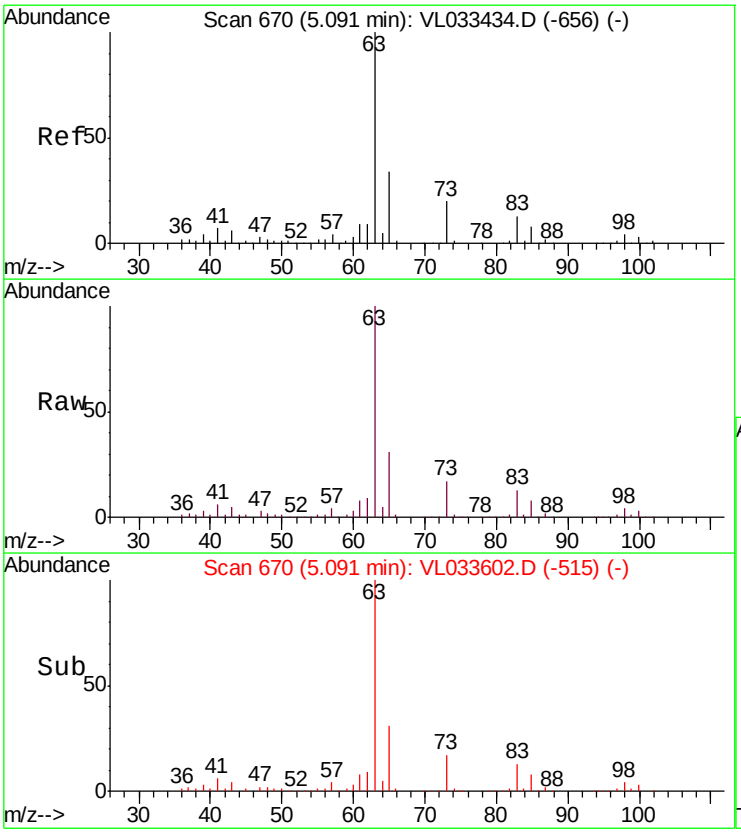
#23
Vinyl Acetate
Concen: 9.825 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 43 Resp: 1433449

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	9.8	8.0	12.0
44	5.1	3.9	5.9

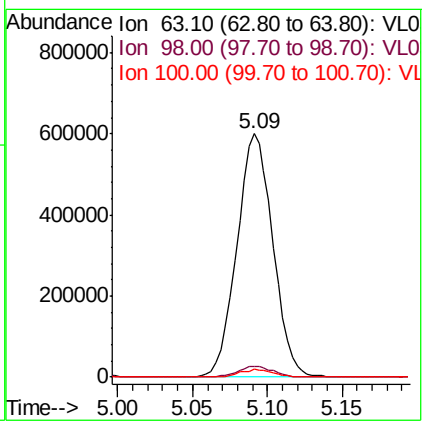


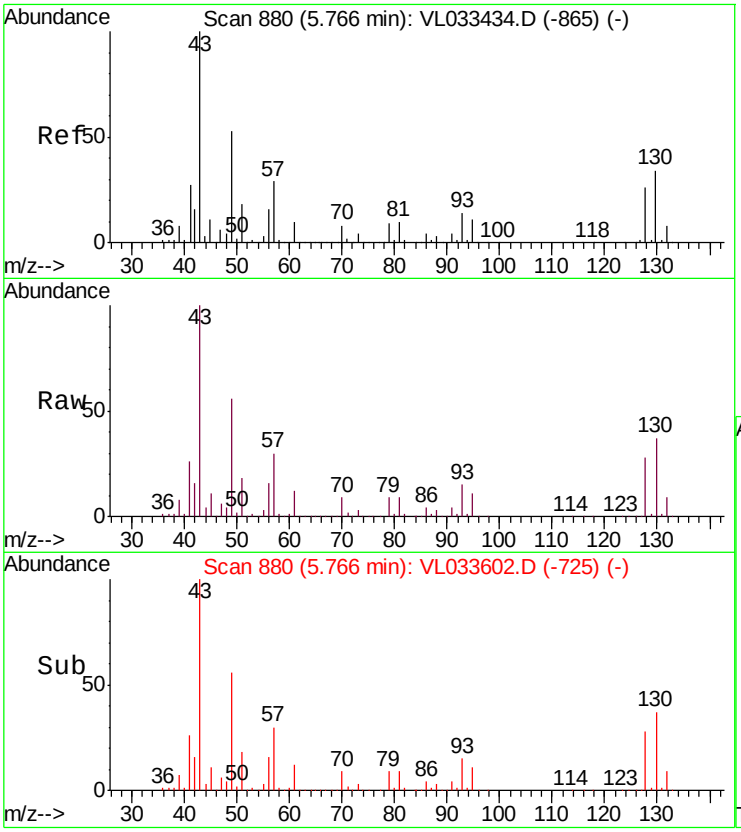


#24
1,1-Dichloroethane
Concen: 9.016 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 63 Resp: 999150

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	3.1	1.5	4.4



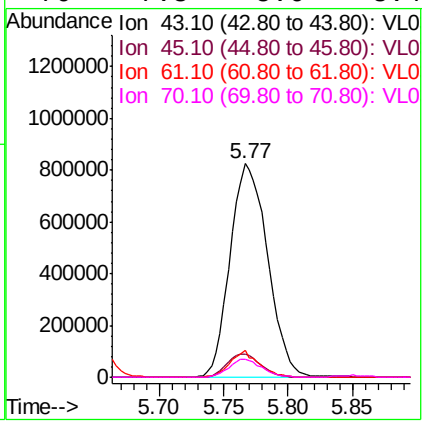


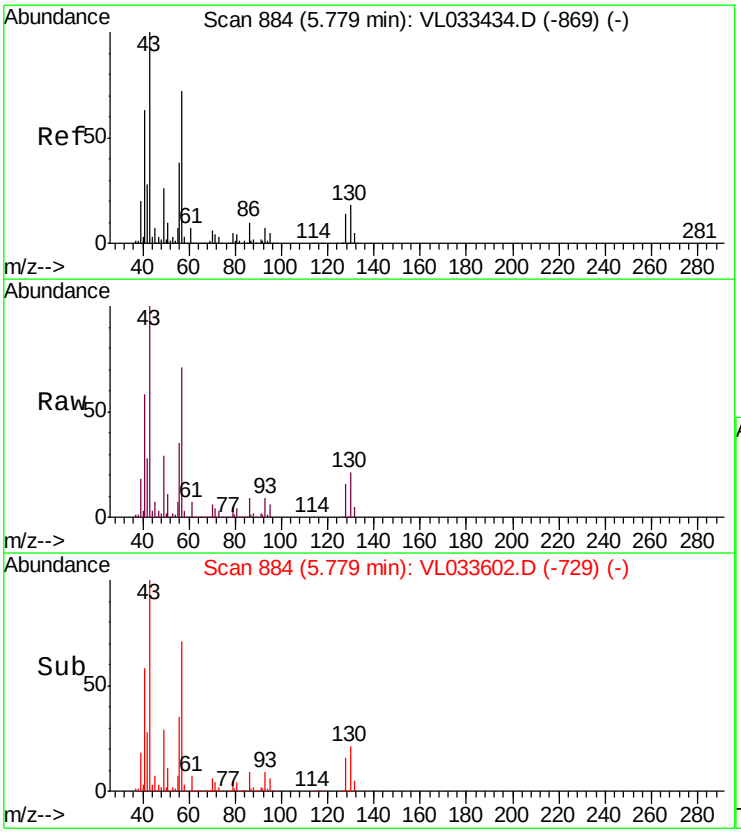
#25
Ethyl Acetate
Concen: 8.779 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 43 Resp: 1669523

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.5	7.3	10.9
70	7.3	5.6	8.4

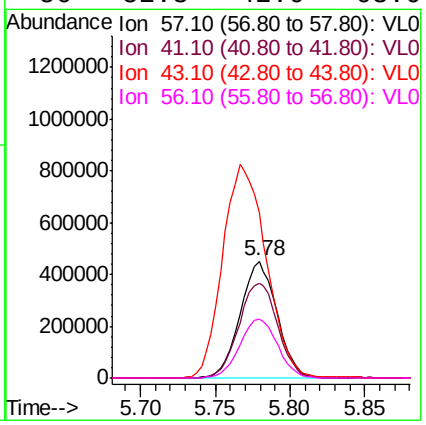


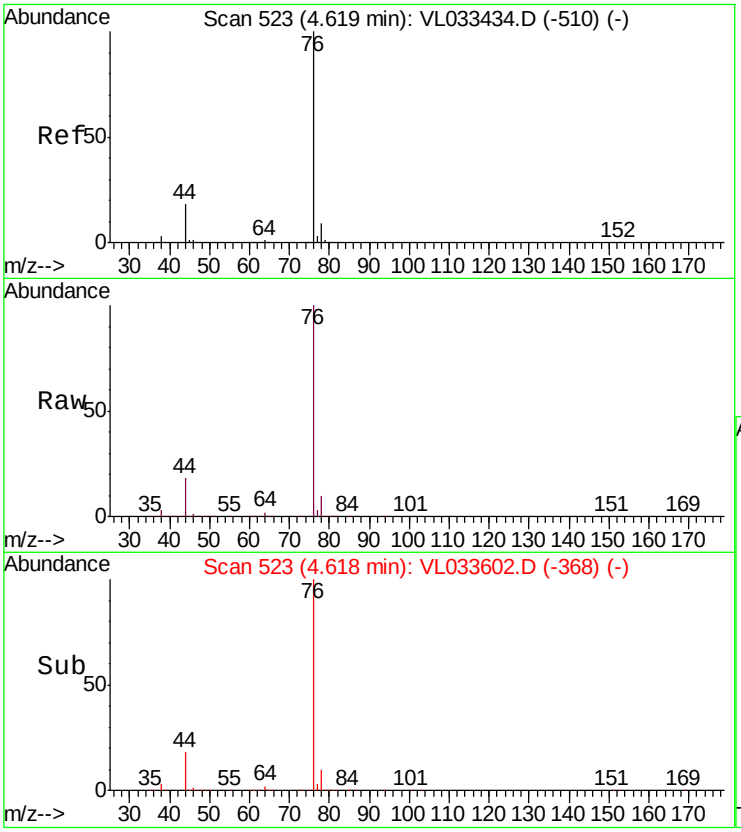


#26
Hexane
Concen: 9.059 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 57 Resp: 765991

Ion	Ratio	Lower	Upper
57	100		
41	86.3	70.7	106.1
43	218.8	182.6	274.0
56	52.3	42.0	63.0



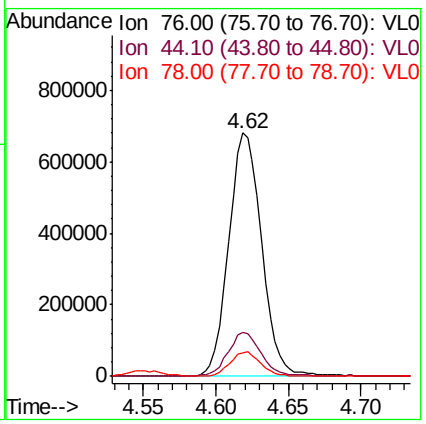


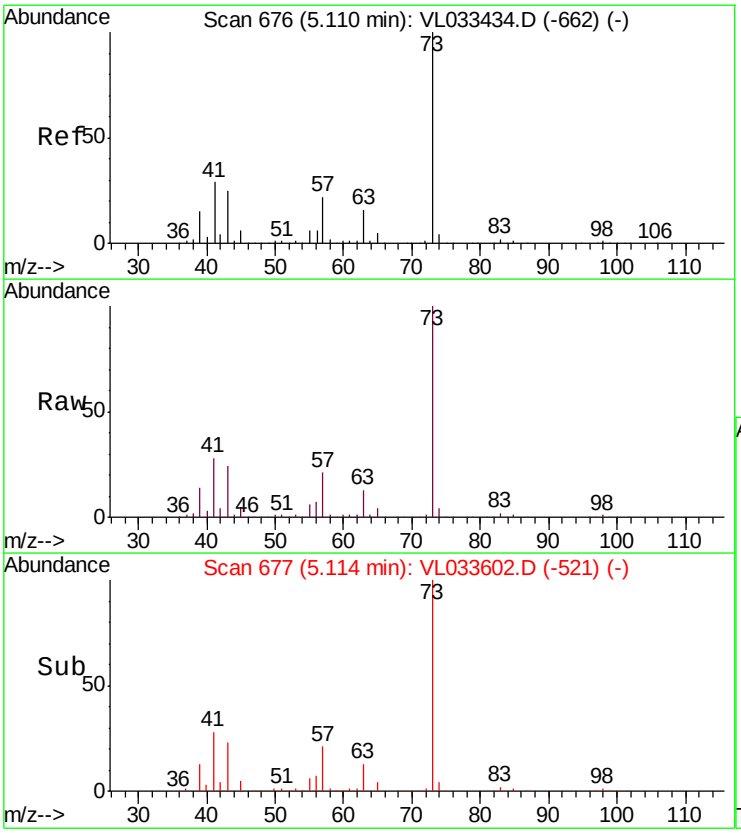
#27
Carbon Disulfide
Concen: 10.665 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 76 Resp: 1072429

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.8	22.2
78	9.6	7.6	11.4

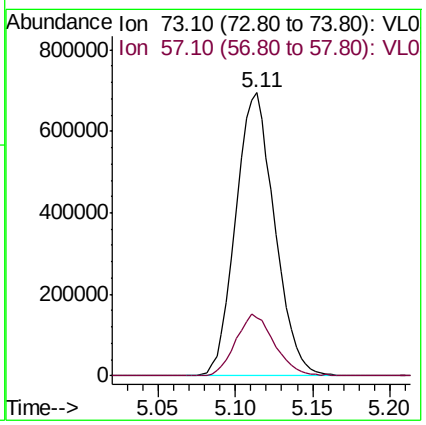


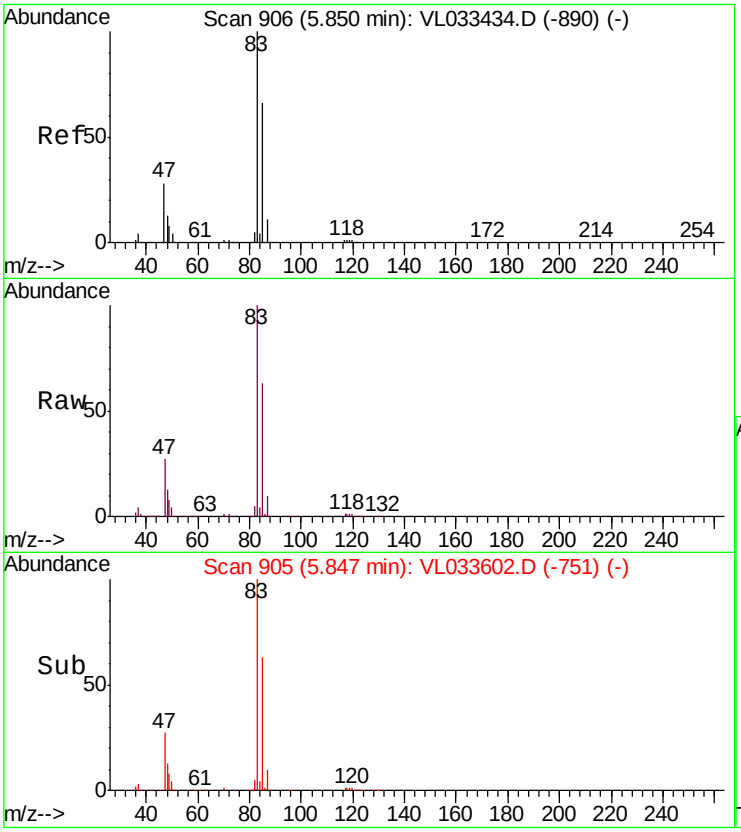


#28
Methyl tert-Butyl Ether
Concen: 9.984 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 73 Resp: 1216017

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



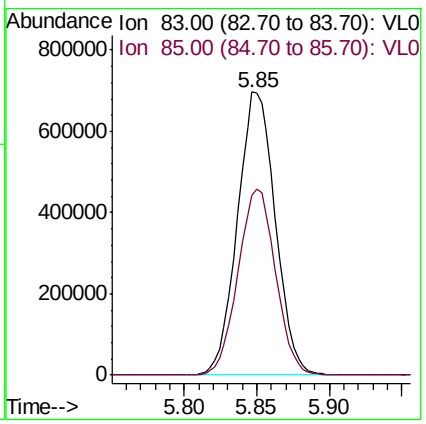


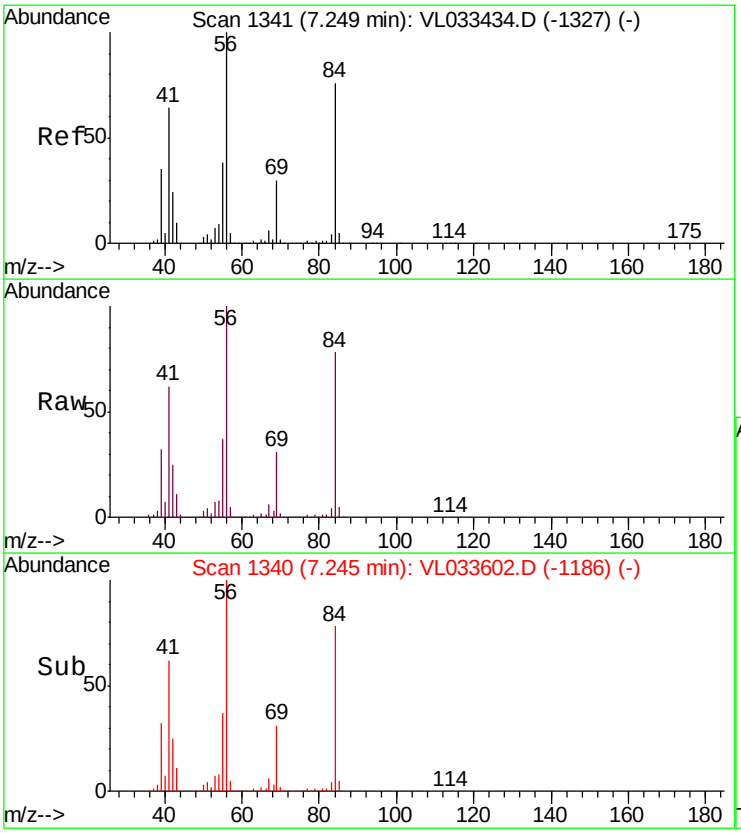
#29
Chloroform
Concen: 8.738 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 83 Resp: 1266586

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0

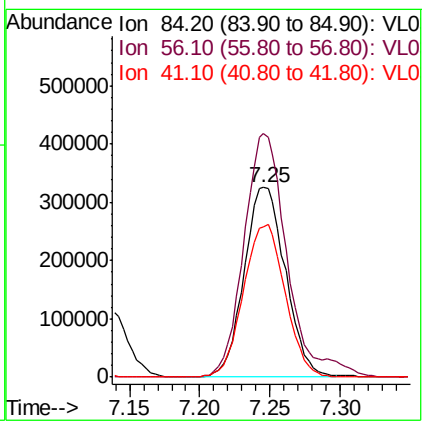


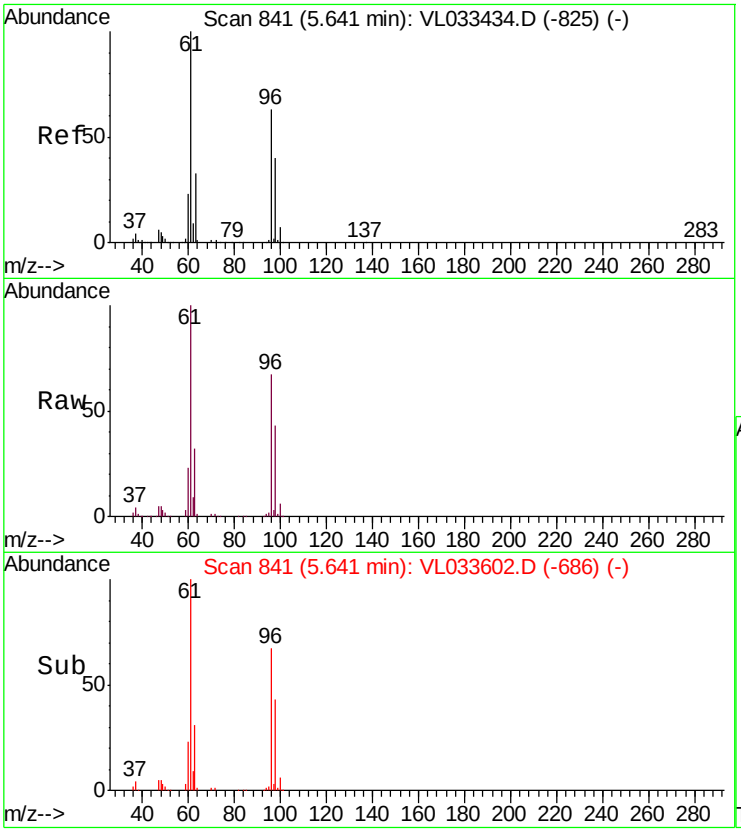


#30
Cyclohexane
Concen: 9.954 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 84 Resp: 665878

Ion	Ratio	Lower	Upper
84	100		
56	135.3	109.7	164.5
41	81.8	68.2	102.2



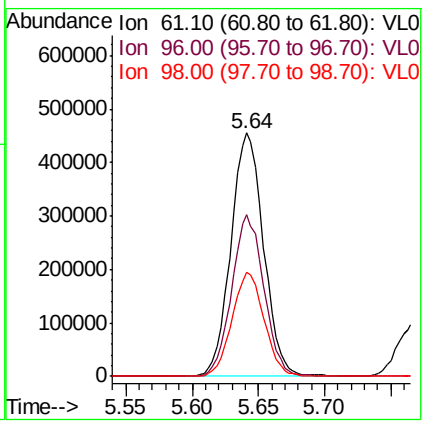


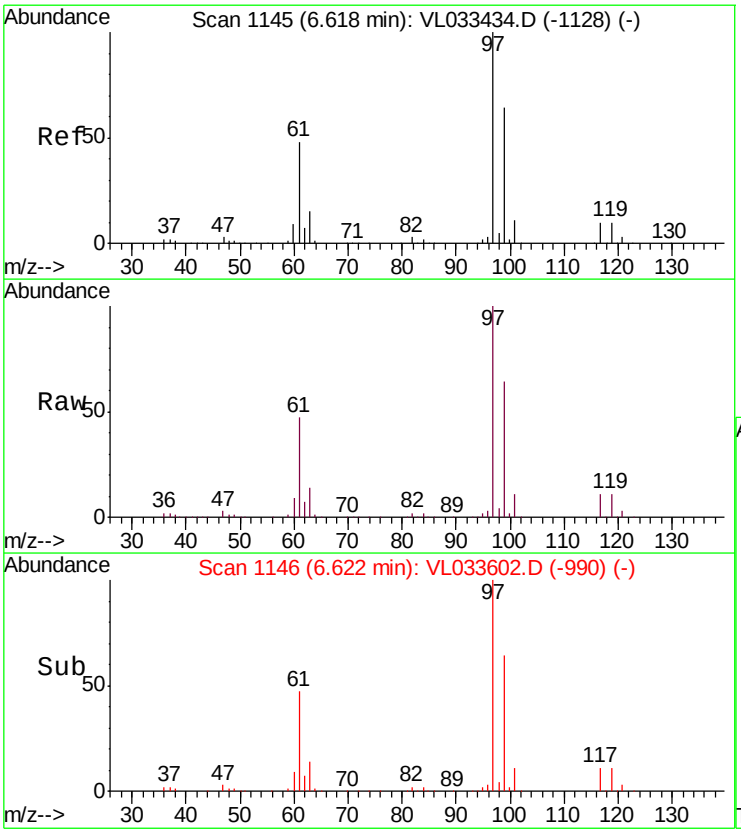
#31
cis-1,2-Dichloroethene
Concen: 9.245 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 61 Resp: 777254

Ion	Ratio	Lower	Upper
61	100		
96	66.6	50.6	76.0
98	42.7	32.2	48.2

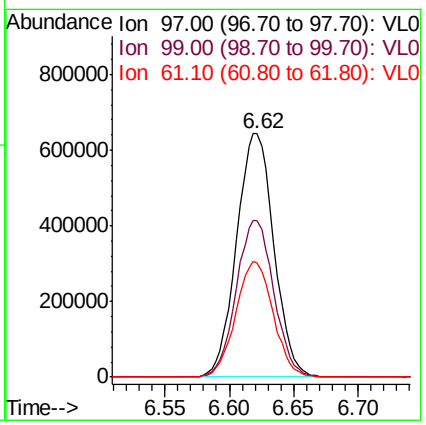


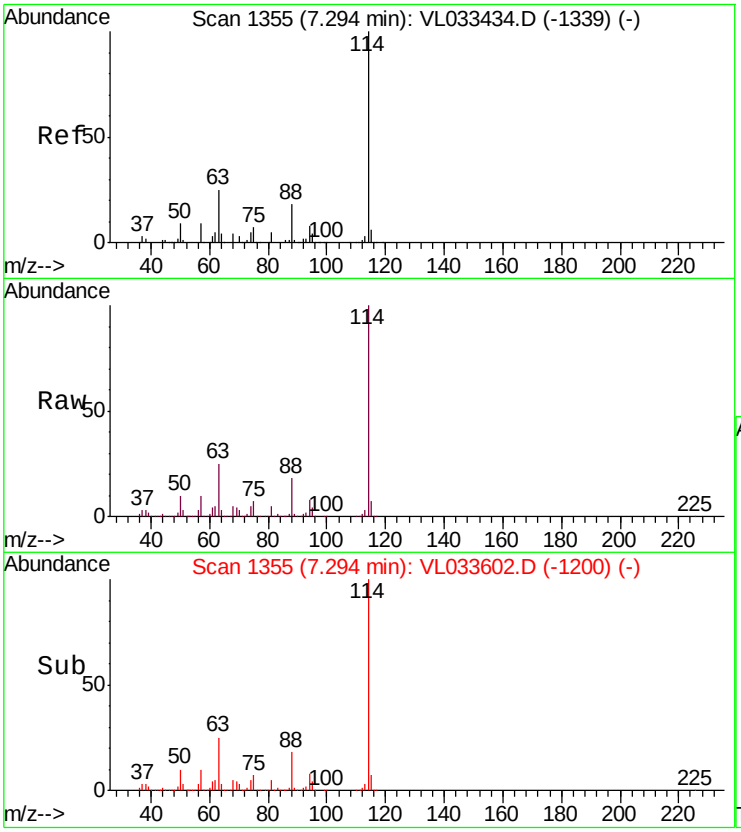


#32
1,1,1-Trichloroethane
Concen: 9.401 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 97 Resp: 1297669

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	47.5	38.8	58.2



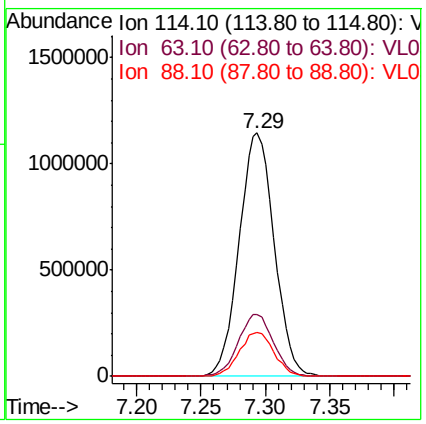


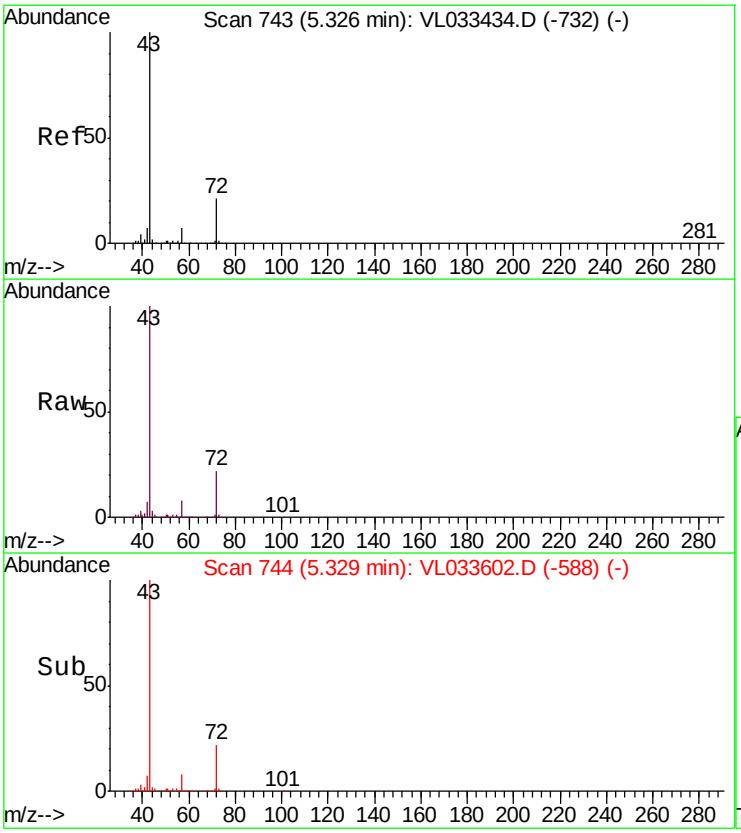
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:114 Resp: 2169687

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.5	32.3
88	18.0	14.5	21.7

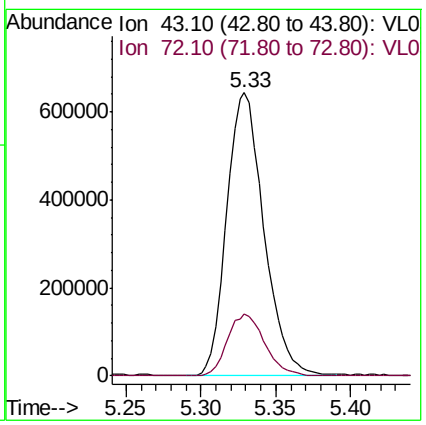


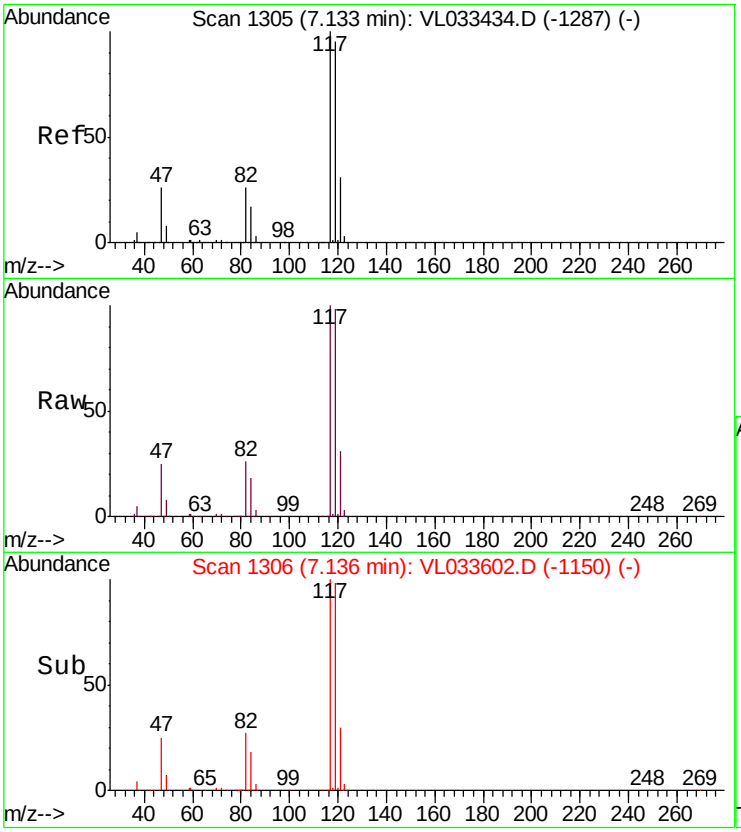


#34
2-Butanone
Concen: 8.543 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 43 Resp: 1113643

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.4	26.2



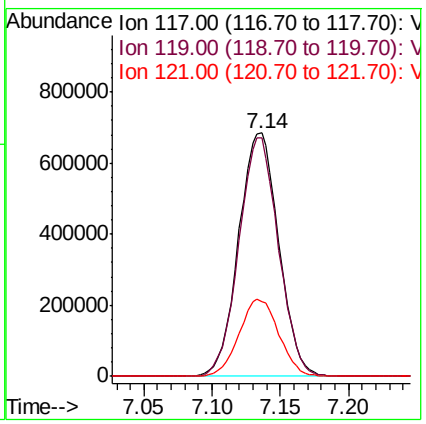


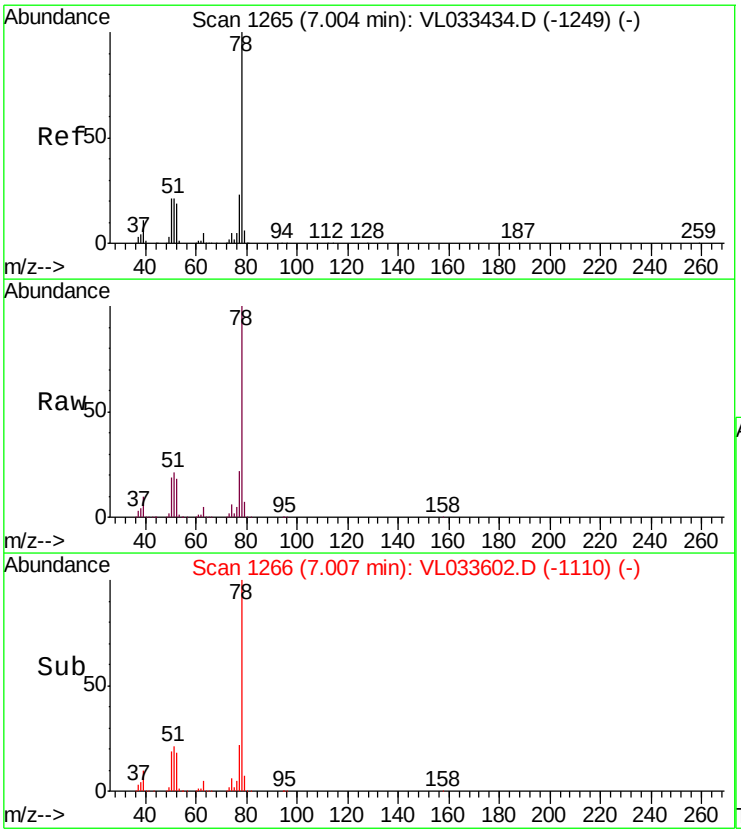
#35
Carbon Tetrachloride
Concen: 9.096 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:117 Resp: 1397830

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.8	113.8
121	30.6	24.7	37.1

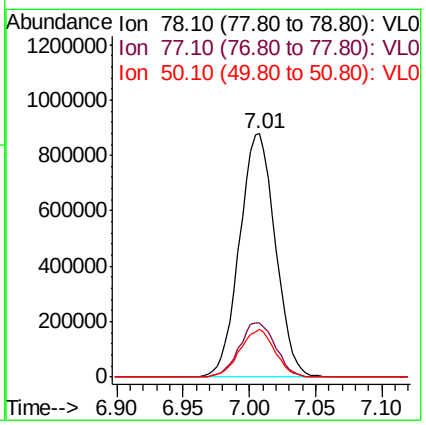


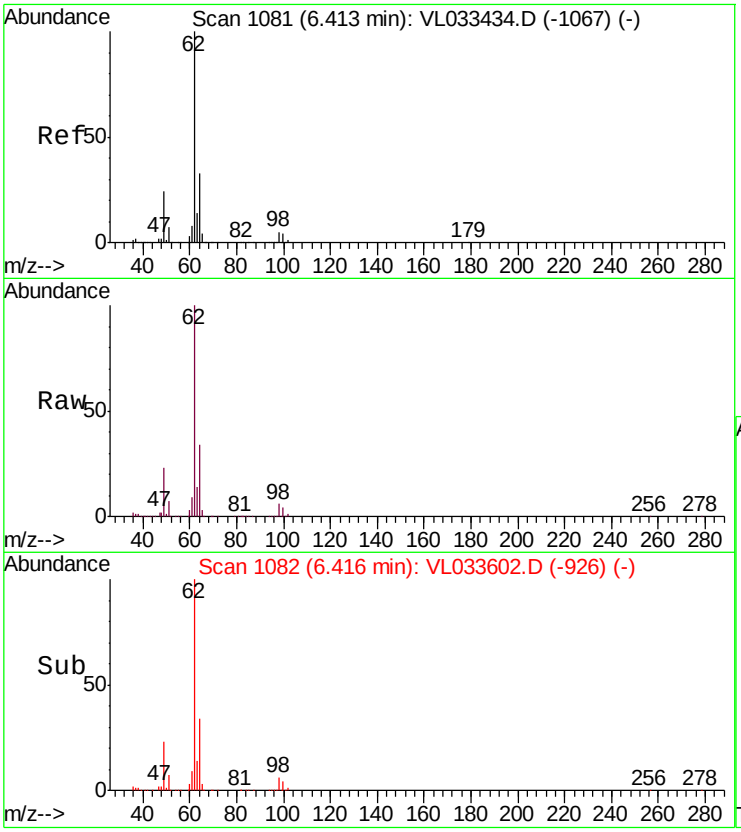


#36
Benzene
Concen: 9.094 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 78 Resp: 1655565

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	19.5	16.7	25.1



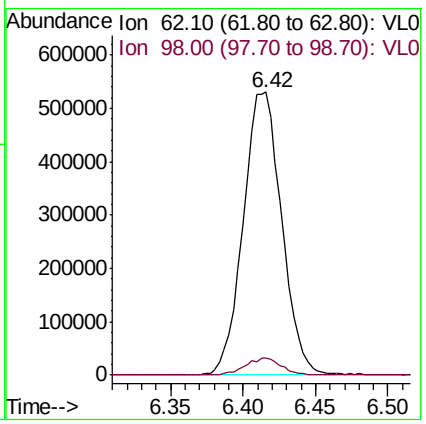


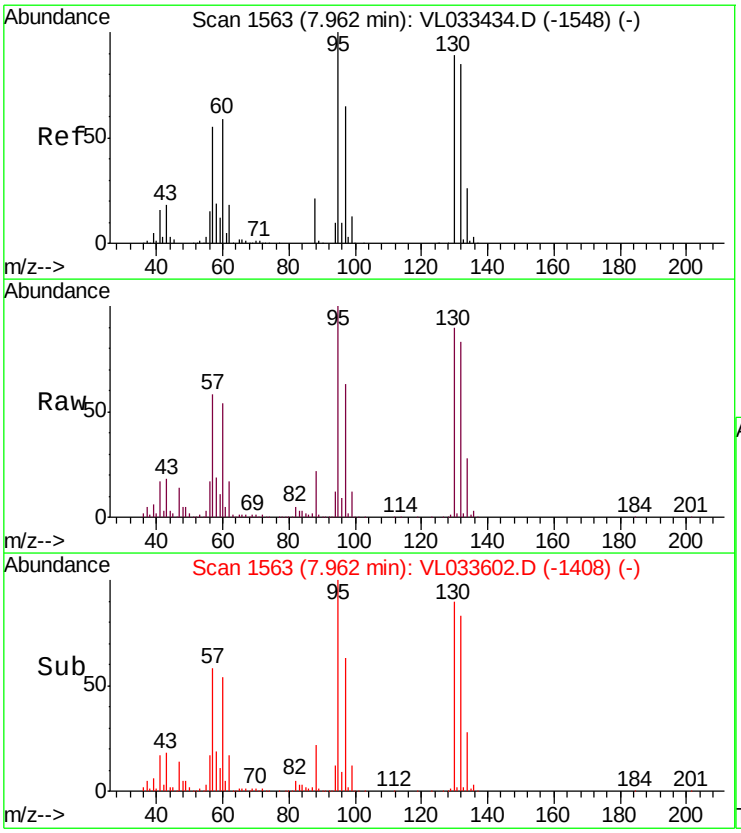
#37
1,2-Dichloroethane
Concen: 8.031 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 62 Resp: 980012

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.4	6.6

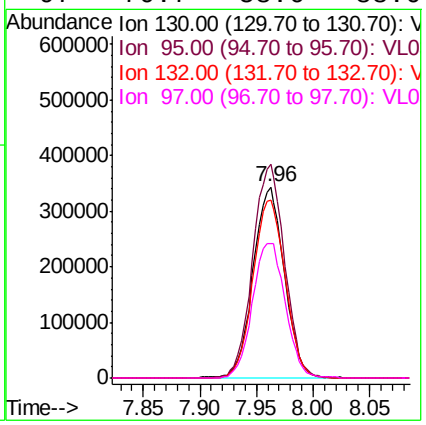


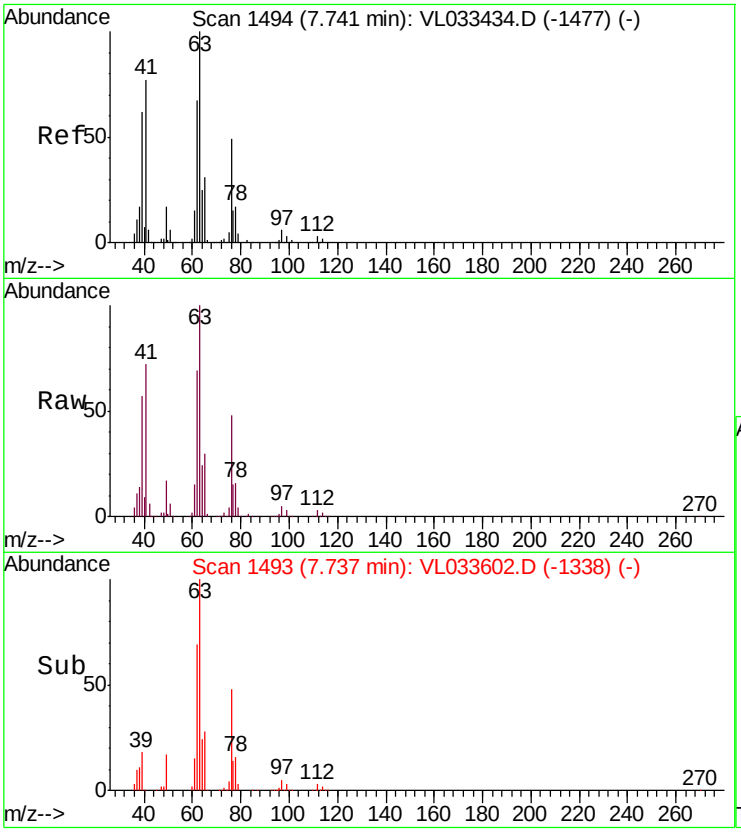


#38
Trichloroethene
Concen: 9.603 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:130 Resp: 657909

Ion	Ratio	Lower	Upper
130	100		
95	111.8	89.8	134.8
132	93.0	76.6	115.0
97	70.7	58.6	88.0



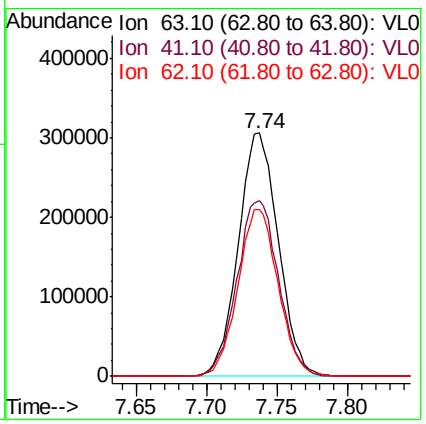


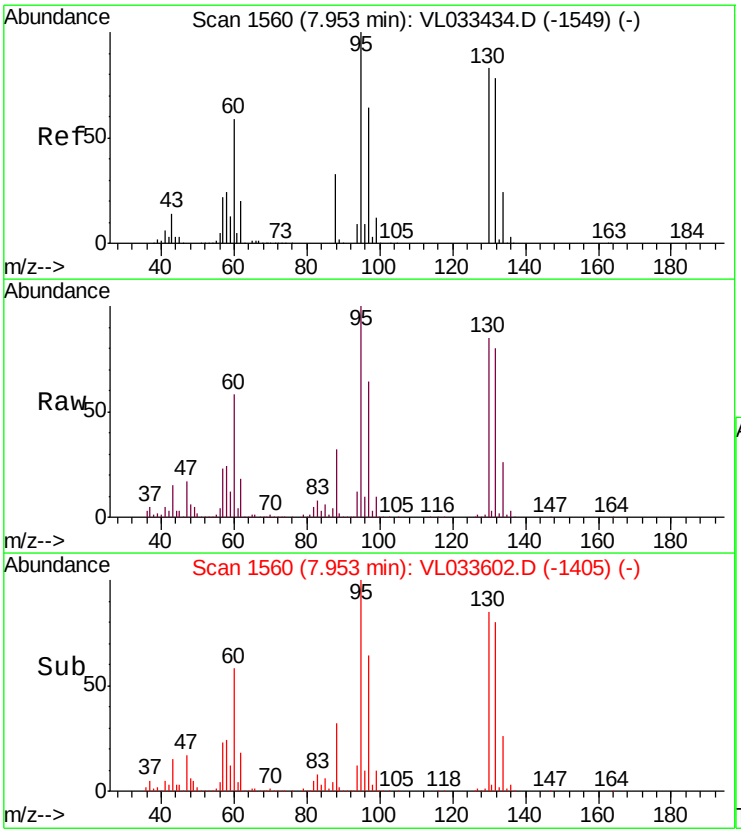
#39
1,2-Dichloropropane
Concen: 8.529 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 63 Resp: 608243

Ion	Ratio	Lower	Upper
63	100		
41	72.1	61.2	91.8
62	68.7	54.0	81.0

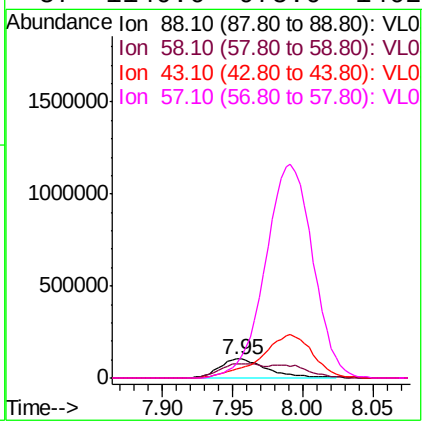


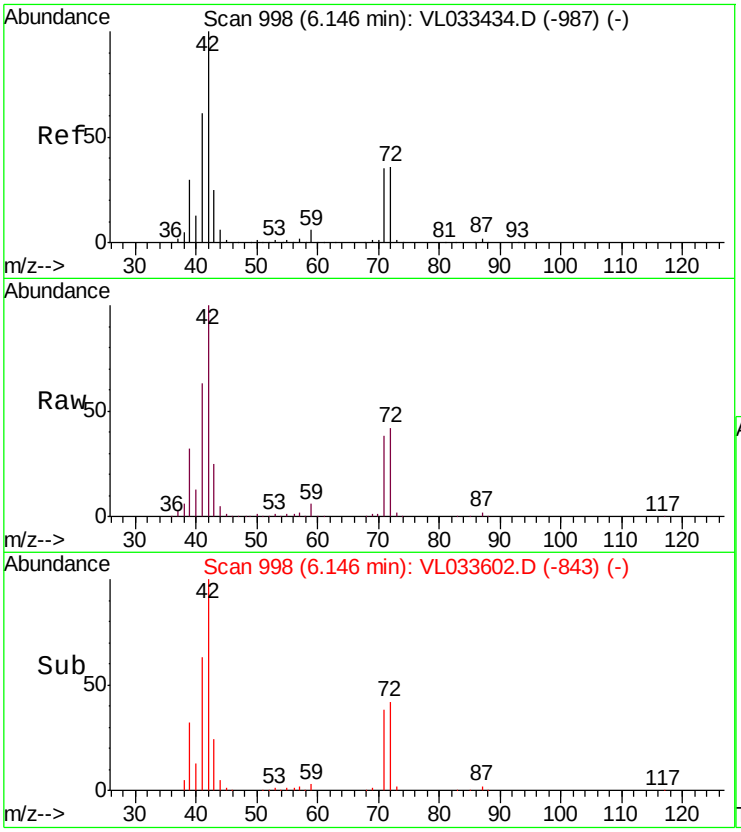


#40
1,4-Dioxane
Concen: 9.416 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 88 Resp: 239496

Ion	Ratio	Lower	Upper
88	100		
58	128.9	105.6	158.4
43	252.1	216.7	325.1
57	1140.6	975.0	1462.4



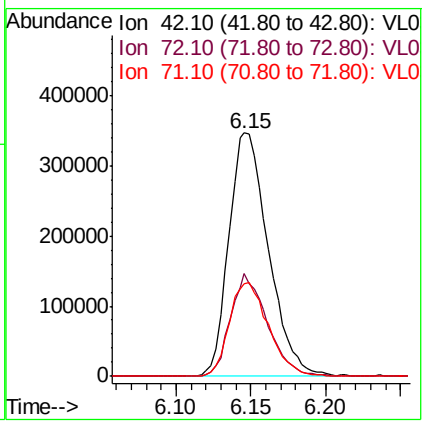


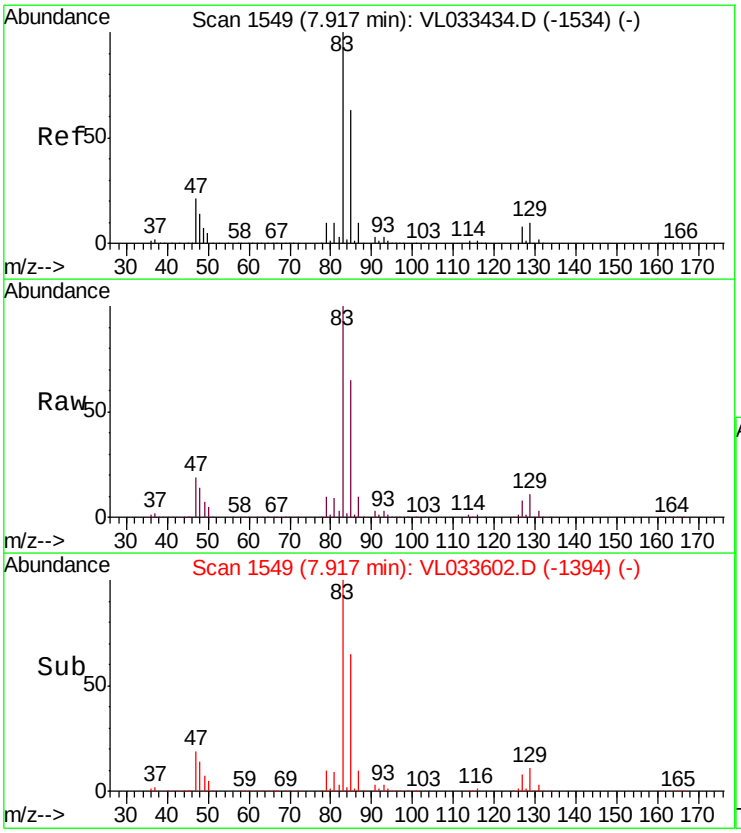
#41
Tetrahydrofuran
Concen: 8.915 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 42 Resp: 639234

Ion	Ratio	Lower	Upper
42	100		
72	39.4	30.2	45.2
71	38.5	29.4	44.2

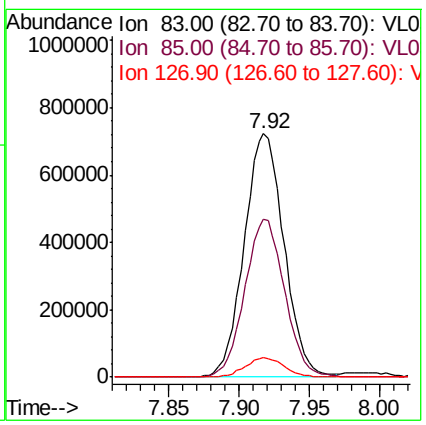


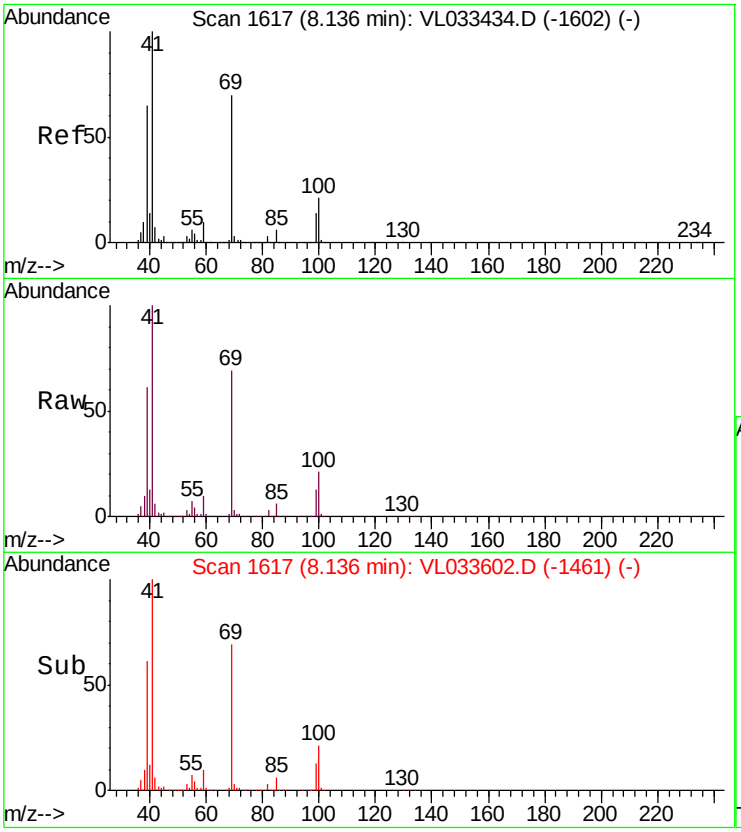


#42
Bromodichloromethane
Concen: 8.599 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 83 Resp: 1429174

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	8.2	6.6	9.8



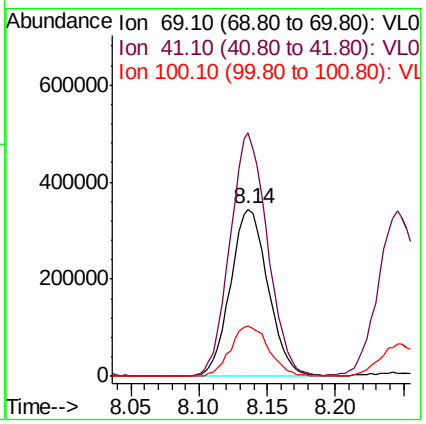


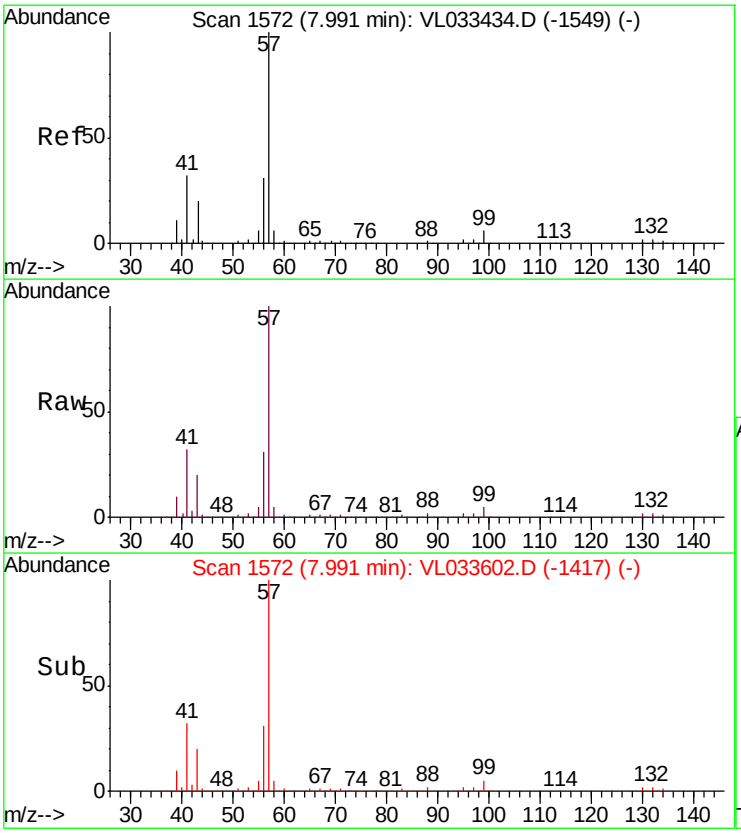
#43
Methyl Methacrylate
Concen: 8.880 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 69 Resp: 656427

Ion	Ratio	Lower	Upper
69	100		
41	146.0	116.6	174.8
100	31.0	24.4	36.6

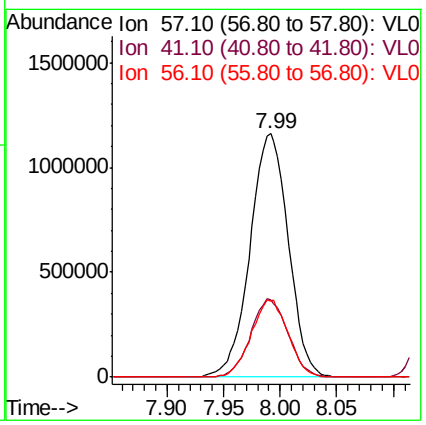


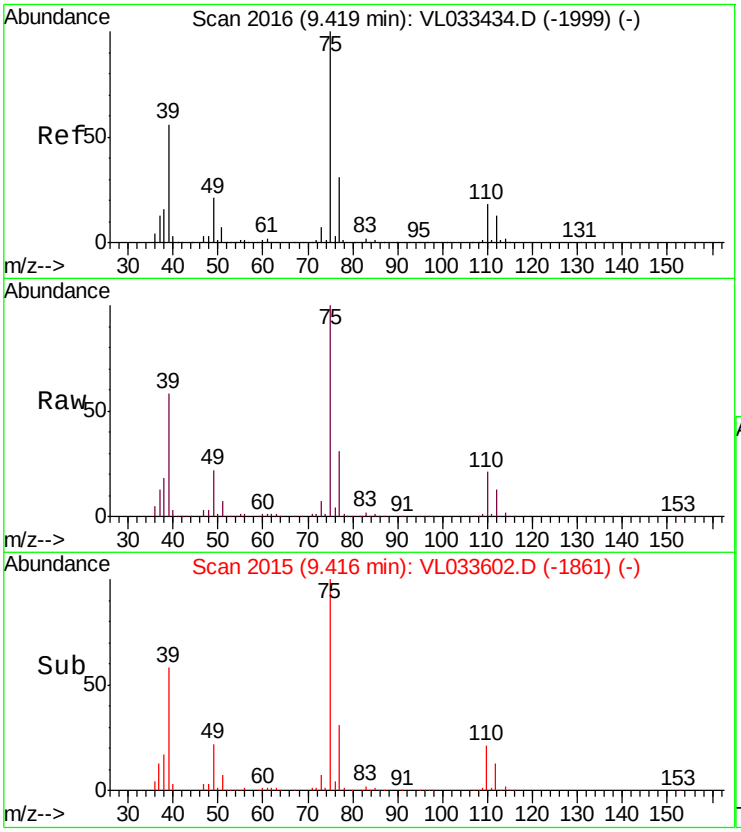


#44
2,2,4-Trimethylpentane
Concen: 8.572 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 57 Resp: 2727097

Ion	Ratio	Lower	Upper
57	100		
41	31.4	26.0	39.0
56	30.7	24.6	37.0



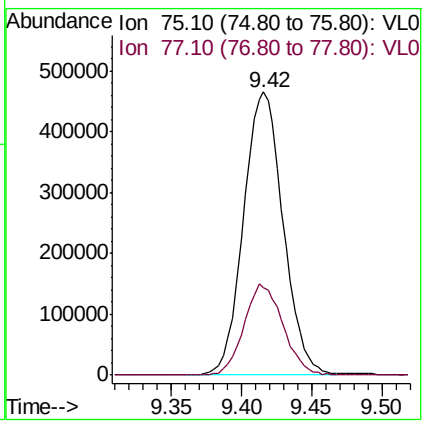


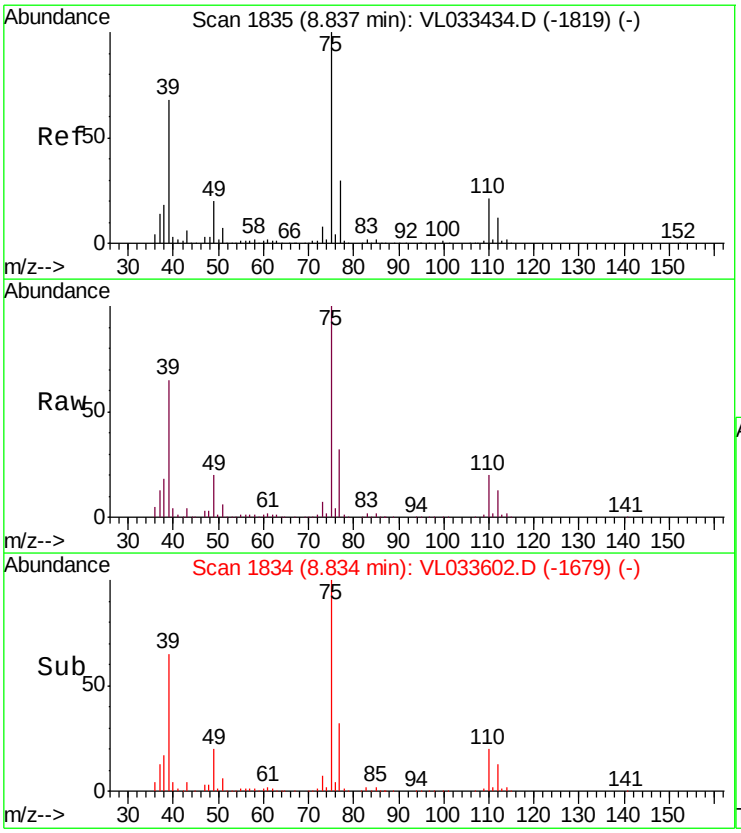
#45
t-1,3-Dichloropropene
Concen: 10.088 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 75 Resp: 915584

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.5	36.7

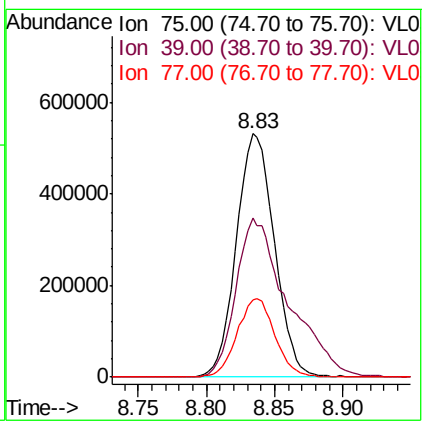


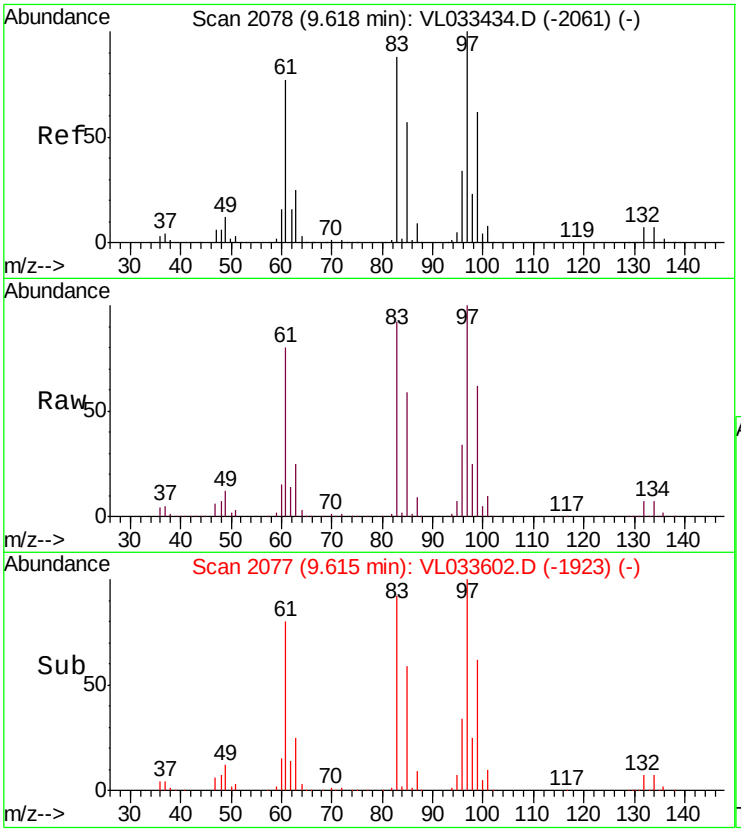


#46
cis-1,3-Dichloropropene
Concen: 9.718 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 75 Resp: 1029980

Ion	Ratio	Lower	Upper
75	100		
39	65.2	54.1	81.1
77	31.9	23.9	35.9



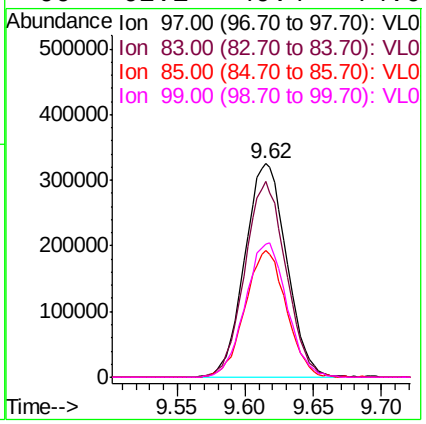


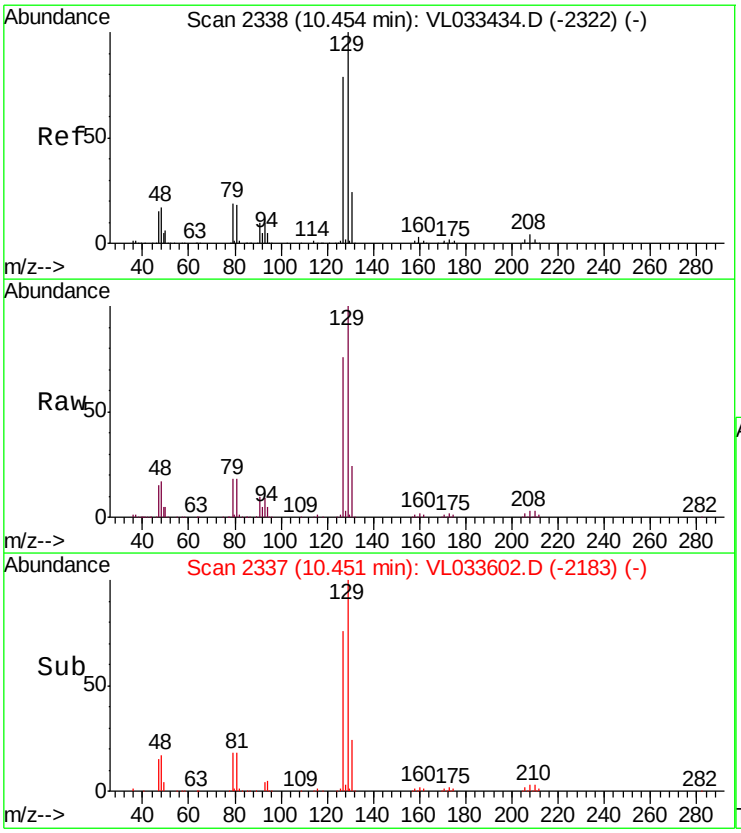
#47
1,1,2-Trichloroethane
Concen: 8.563 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 97 Resp: 693449

Ion	Ratio	Lower	Upper
97	100		
83	91.8	70.5	105.7
85	59.3	45.6	68.4
99	62.1	49.4	74.0

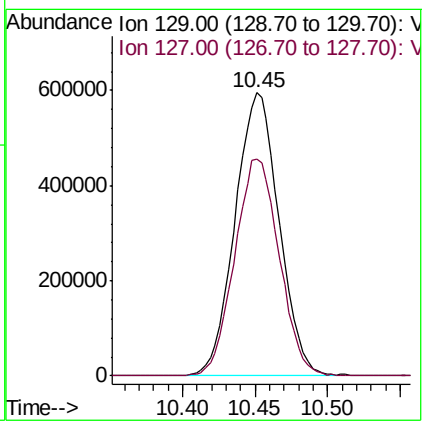


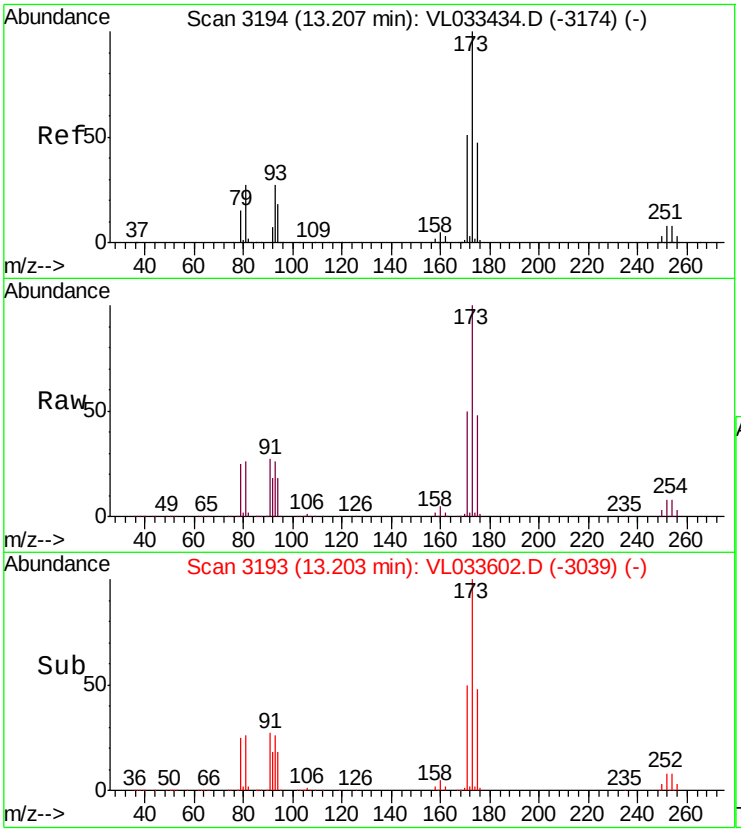


#48
Dibromochloromethane
Concen: 9.188 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:129 Resp: 1254957

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2



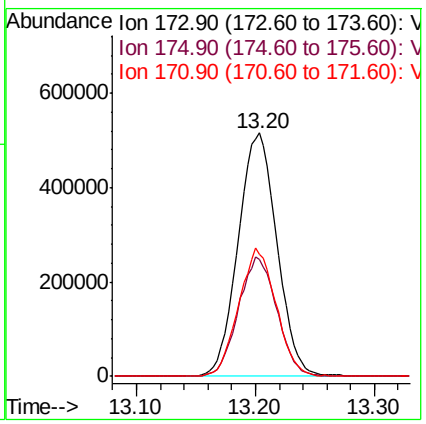


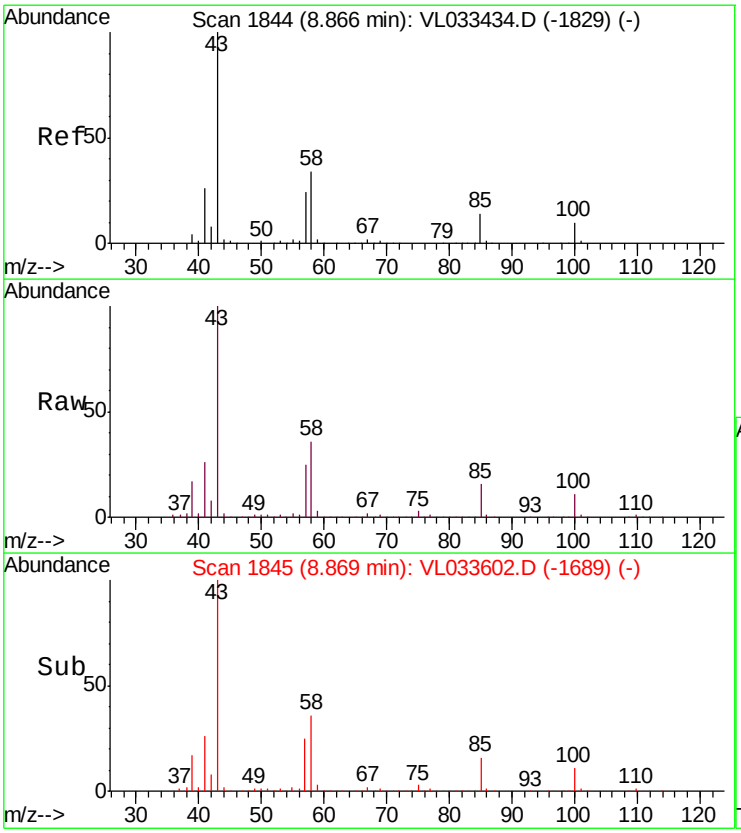
#49
Bromoform
Concen: 8.925 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:173 Resp: 1164613

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.3	58.9
171	51.0	41.2	61.8

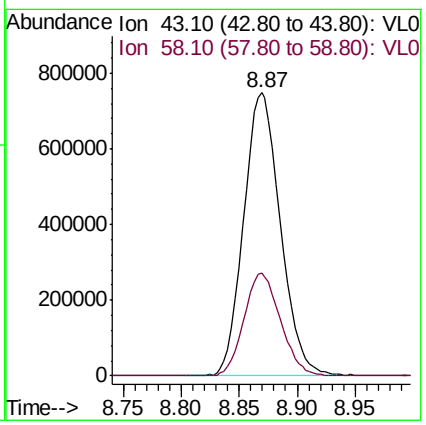


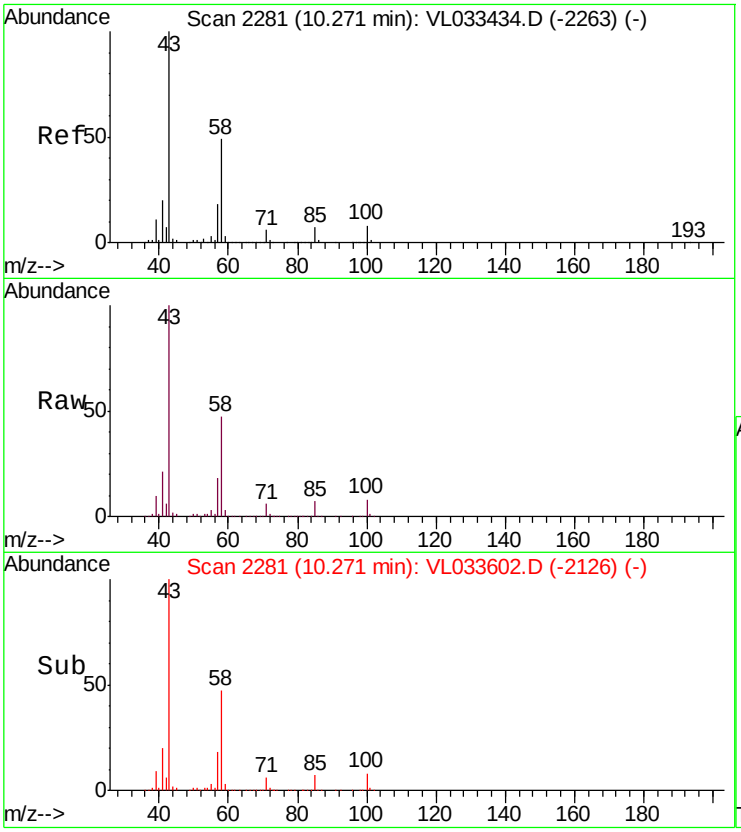


#50
4-Methyl-2-Pentanone
Concen: 8.658 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 43 Resp: 1652537

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.0	42.0



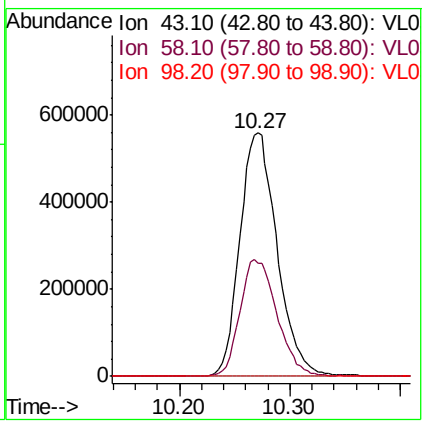


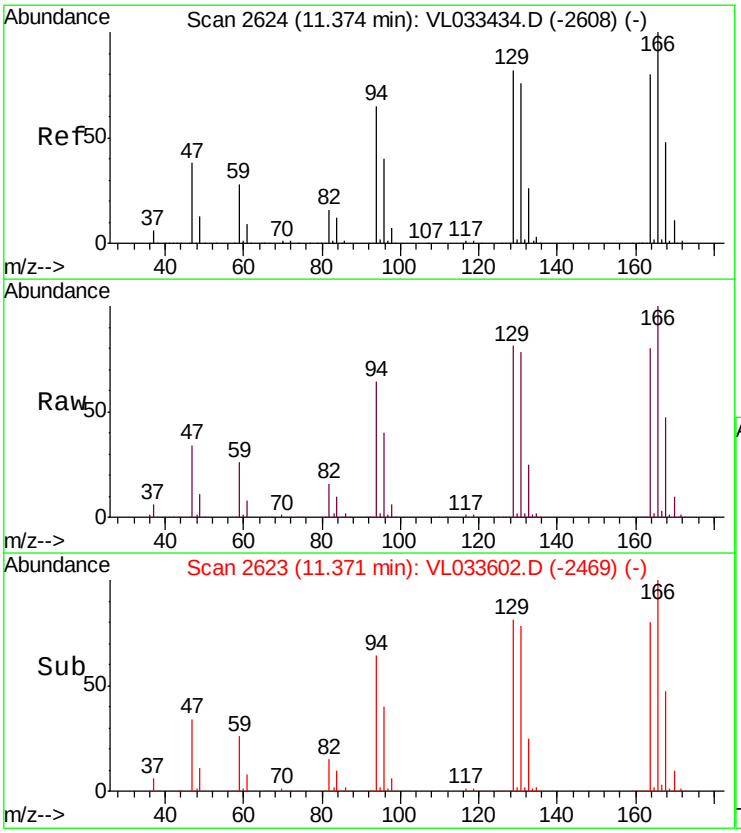
#51
2-Hexanone
Concen: 9.170 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 43 Resp: 1305722

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.2	57.2
98	0.1	0.2	0.2#

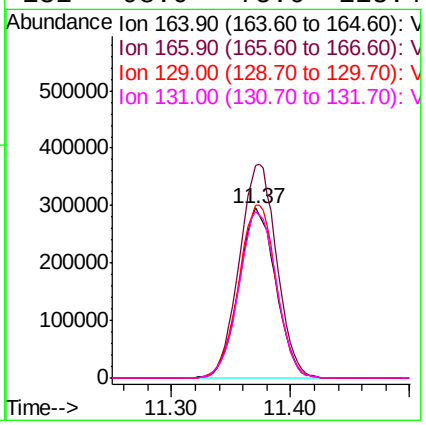


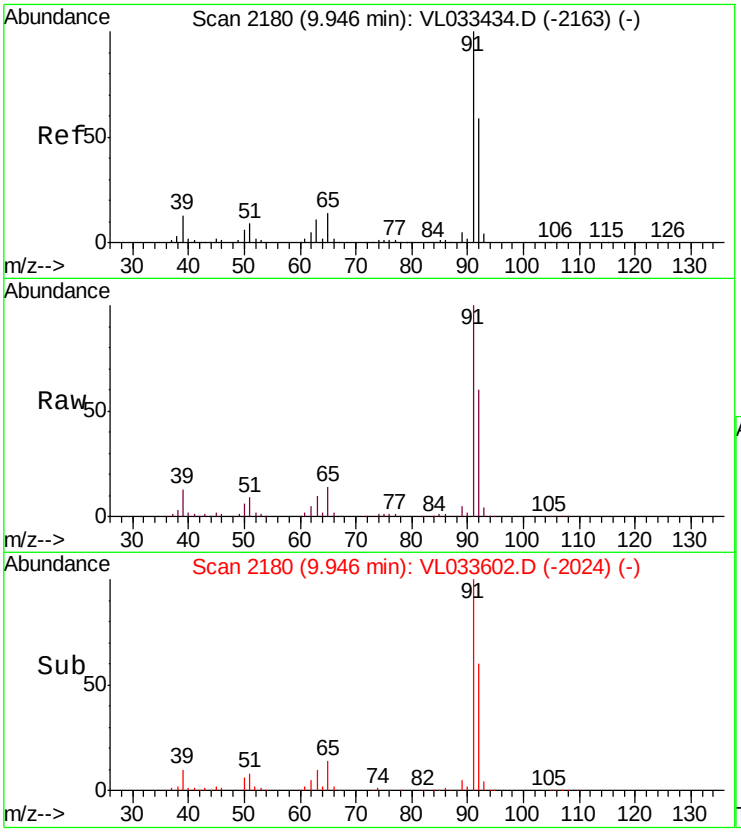


#52
Tetrachloroethene
Concen: 9.216 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:164 Resp: 633032

Ion	Ratio	Lower	Upper
164	100		
166	124.9	99.5	149.3
129	101.7	81.4	122.2
131	98.0	75.6	113.4



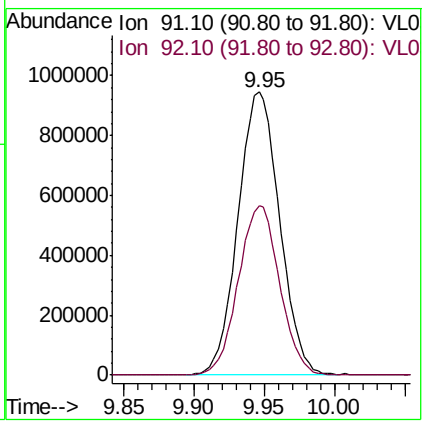


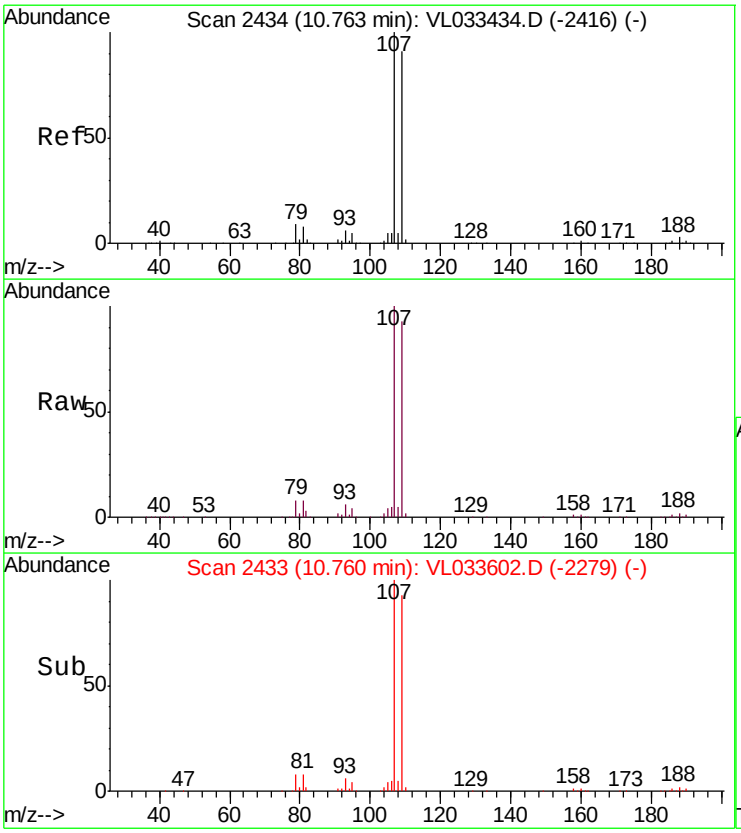
#53
Toluene
Concen: 9.224 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 91 Resp: 1951355

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0

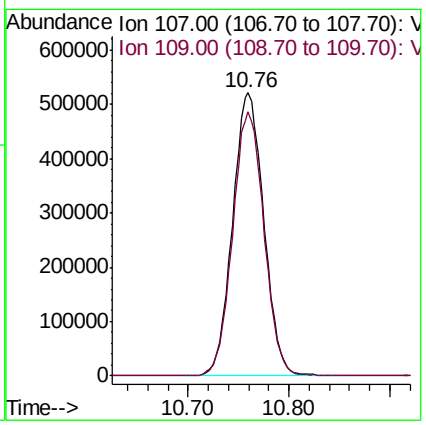


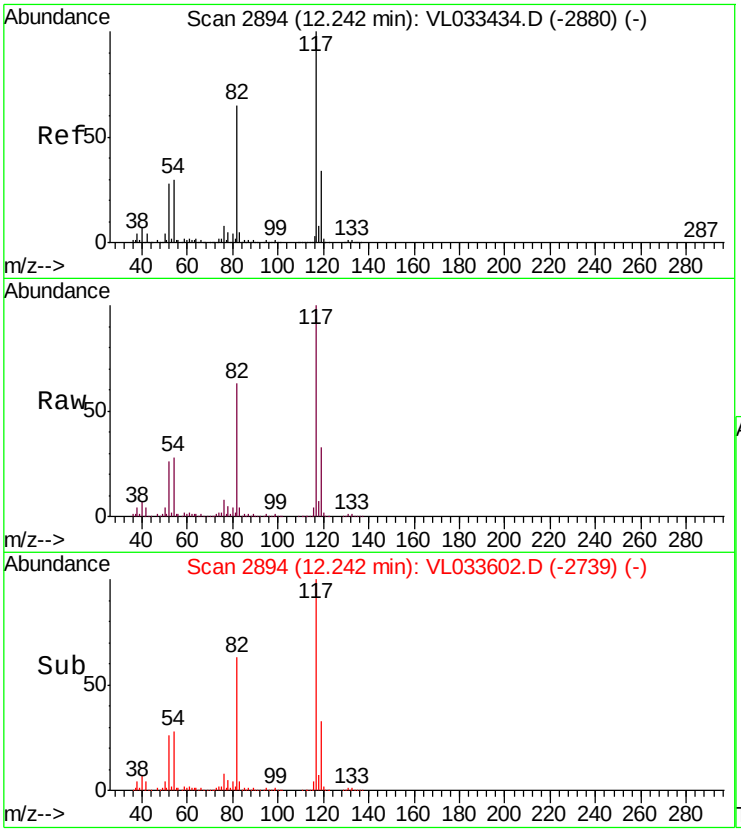


#54
1,2-Dibromoethane
Concen: 8.821 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:107 Resp: 1117265

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.7	109.1



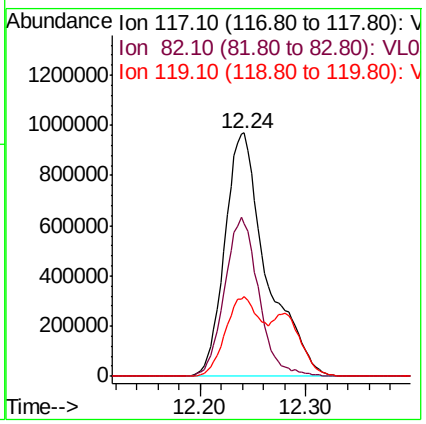


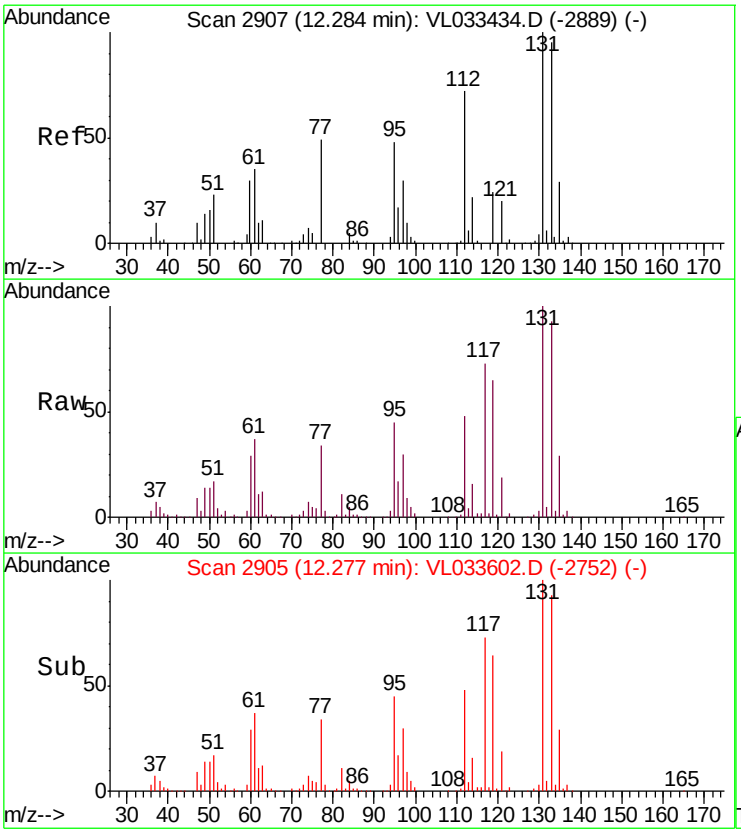
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:117 Resp: 2660853

Ion	Ratio	Lower	Upper
117	100		
82	53.5	51.5	77.3
119	45.8	25.5	38.3#

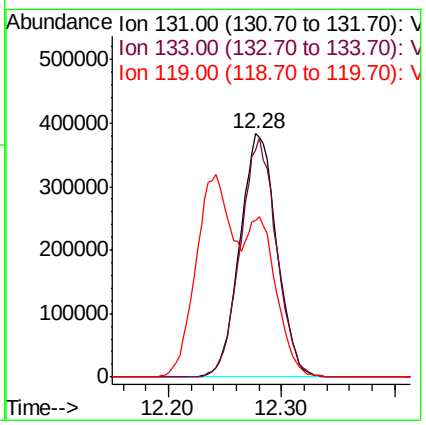


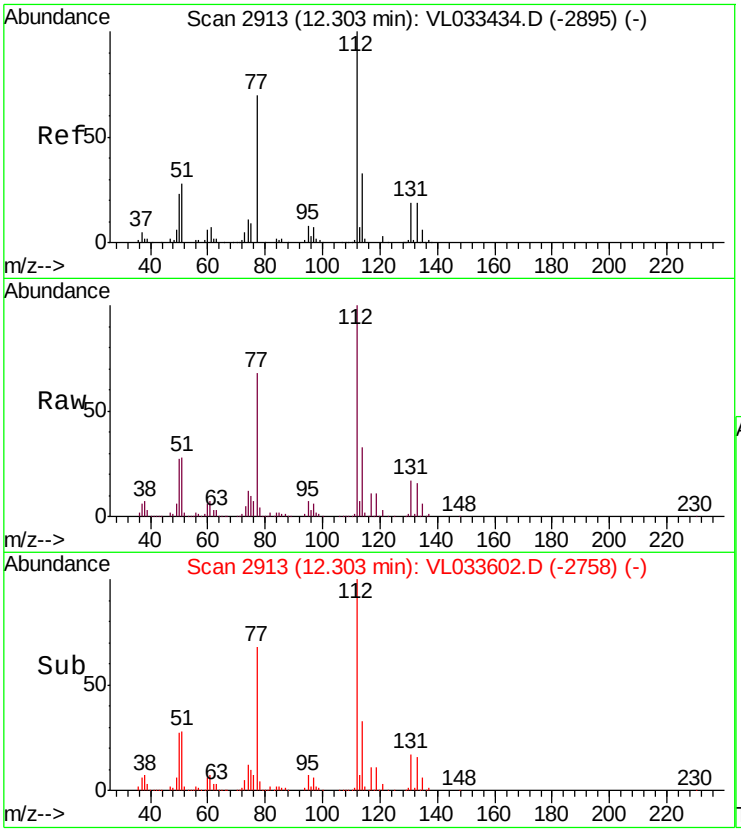


#56
1,1,1,2-Tetrachloroethane
Concen: 7.114 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:131 Resp: 867581

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.2	114.4
119	140.6	45.0	67.6#



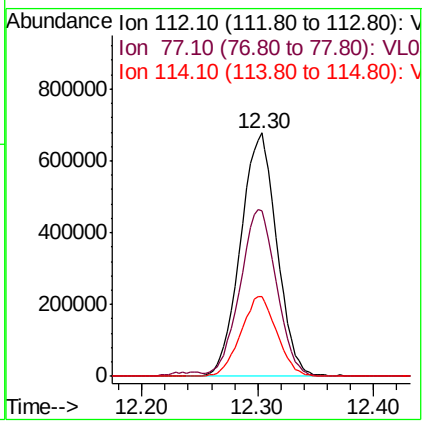


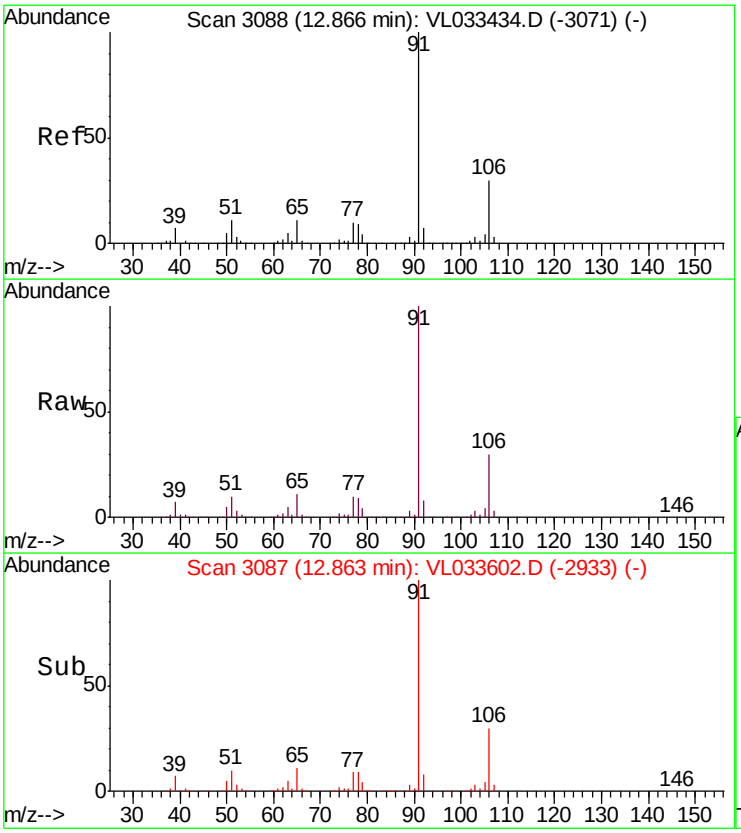
#57
Chlorobenzene
Concen: 7.129 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:112 Resp: 1473035

Ion	Ratio	Lower	Upper
112	100		
77	67.6	57.3	85.9
114	32.8	29.8	36.4

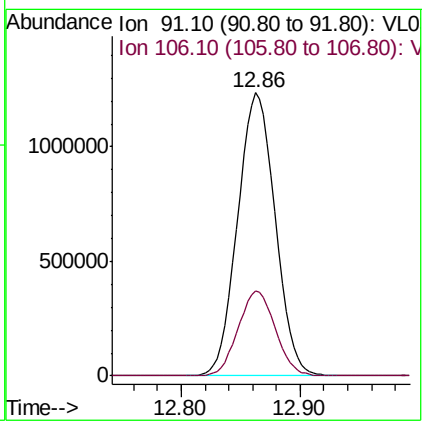


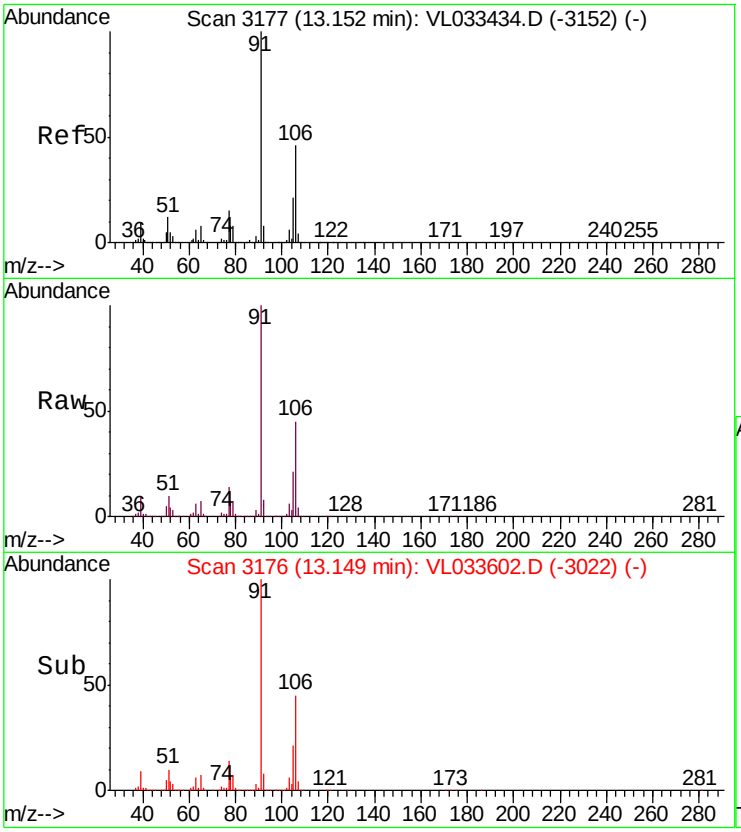


#58
Ethyl Benzene
Concen: 7.607 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 91 Resp: 2703209

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.6



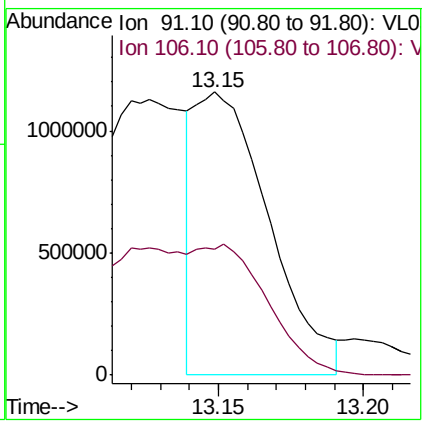


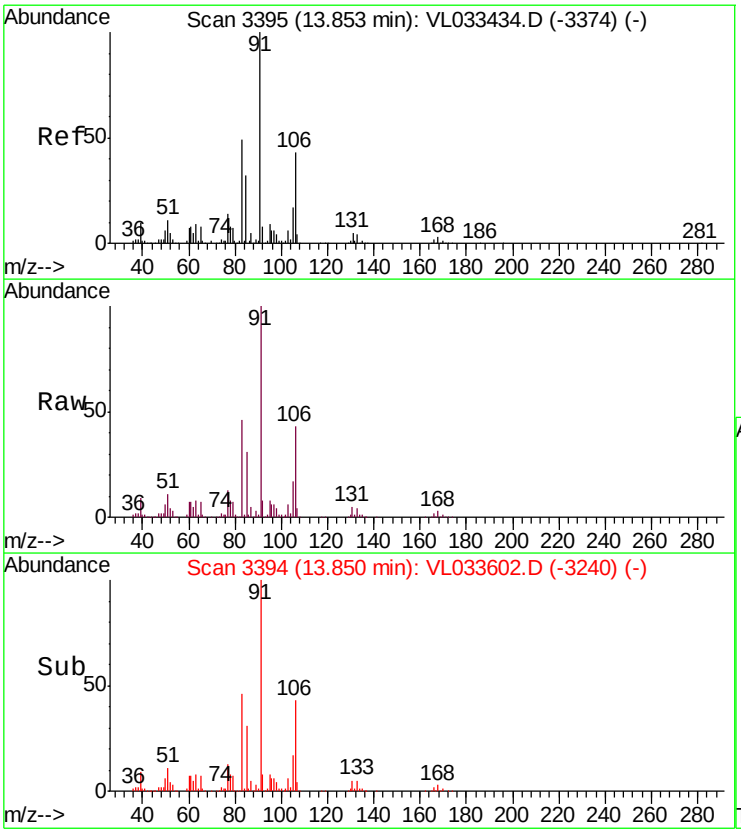
#59
m/p-Xylene
Concen: 6.457 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 91 Resp: 2049302

Ion	Ratio	Lower	Upper
91	100		
106	102.5	0.0	0.0#

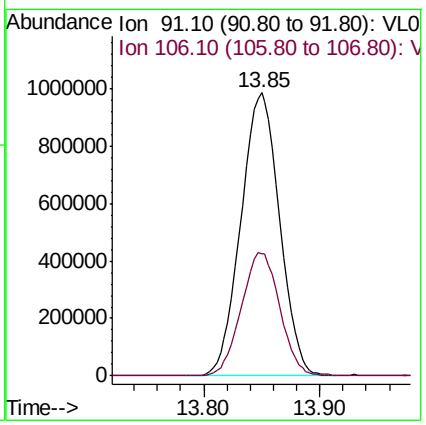


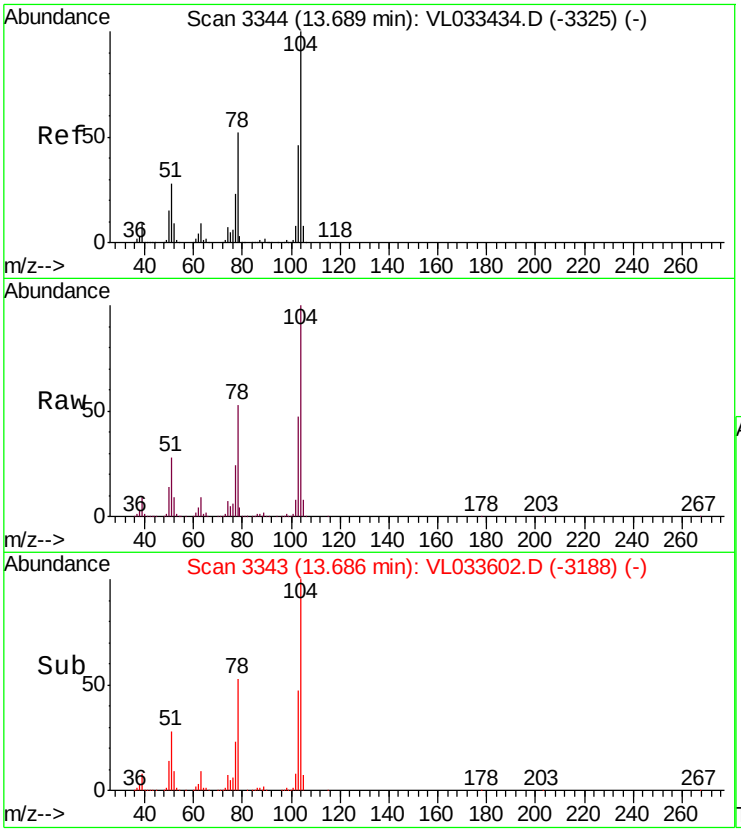


#60
o-Xylene
Concen: 7.457 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 91 Resp: 2288526

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.4	64.3



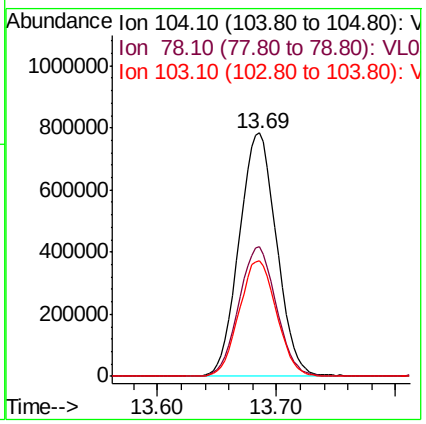


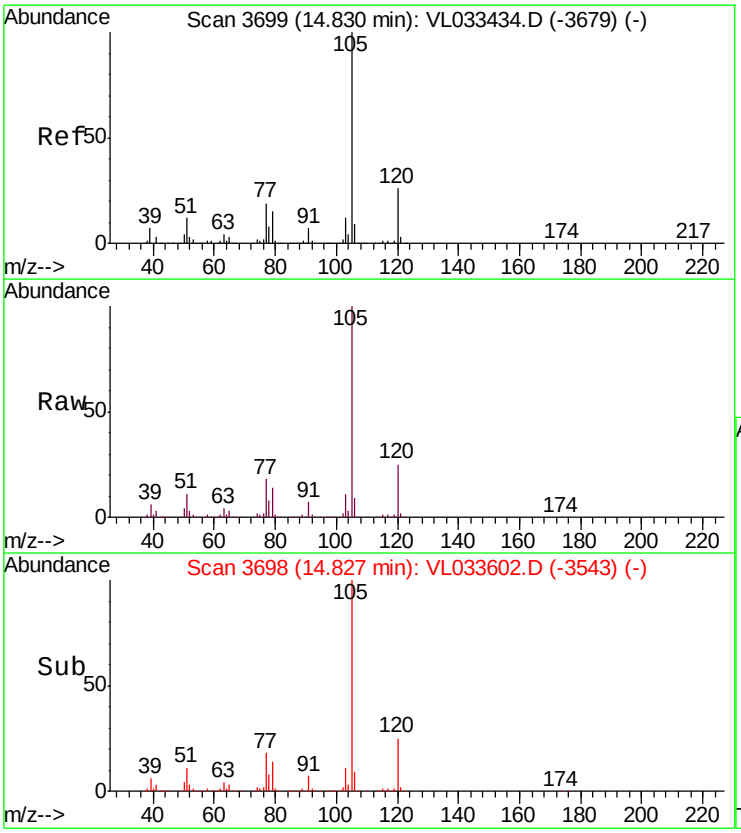
#61
Styrene
Concen: 8.115 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:104 Resp: 1709298

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.2	64.8
103	47.6	37.8	56.8

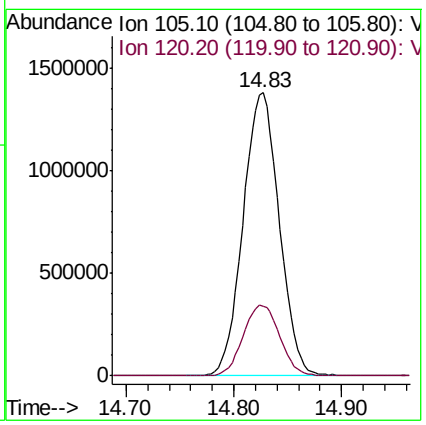


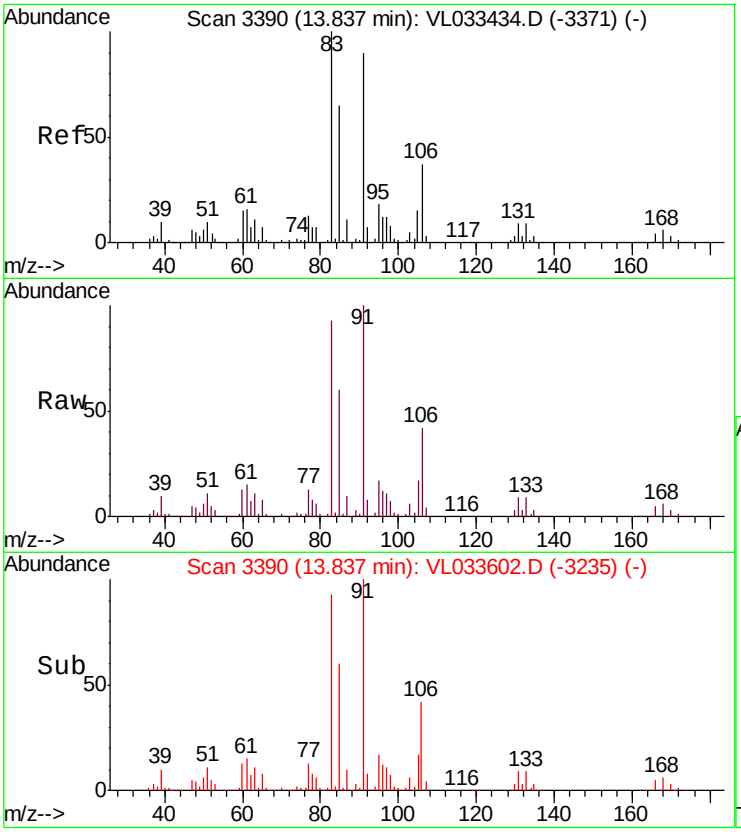


#62
Isopropylbenzene
Concen: 7.392 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:105 Resp: 3212604

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.2



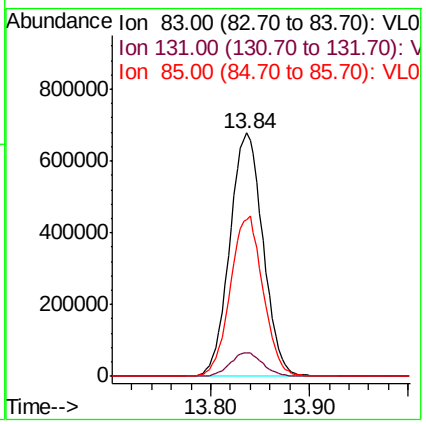


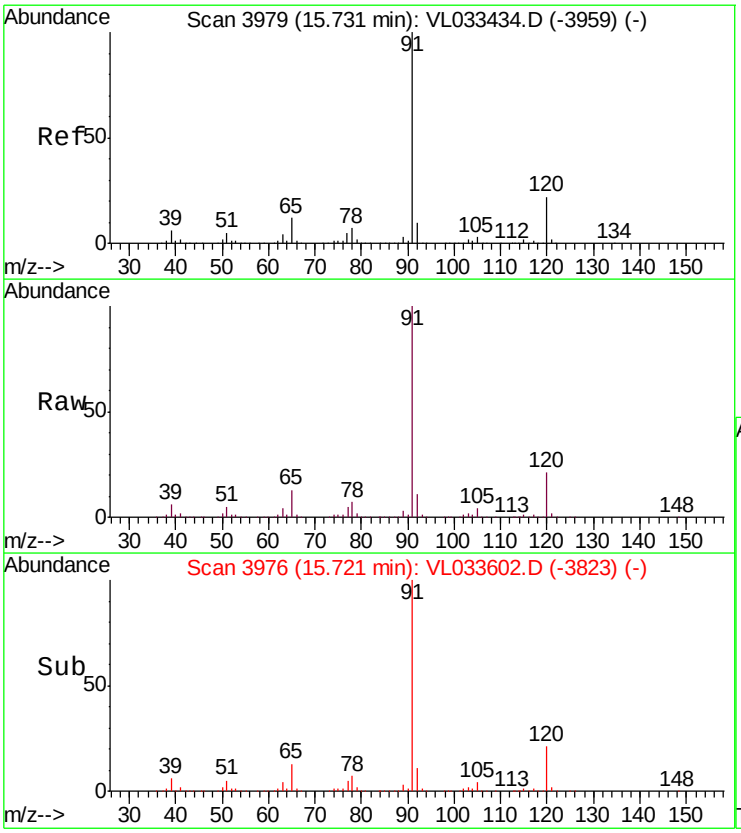
#63
1,1,2,2-Tetrachloroethane
Concen: 7.013 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion: 83 Resp: 1584804

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	64.9	32.7	98.1

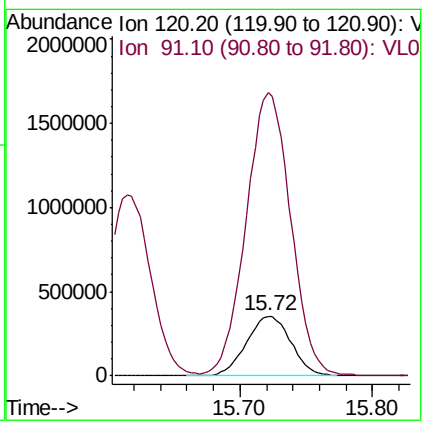


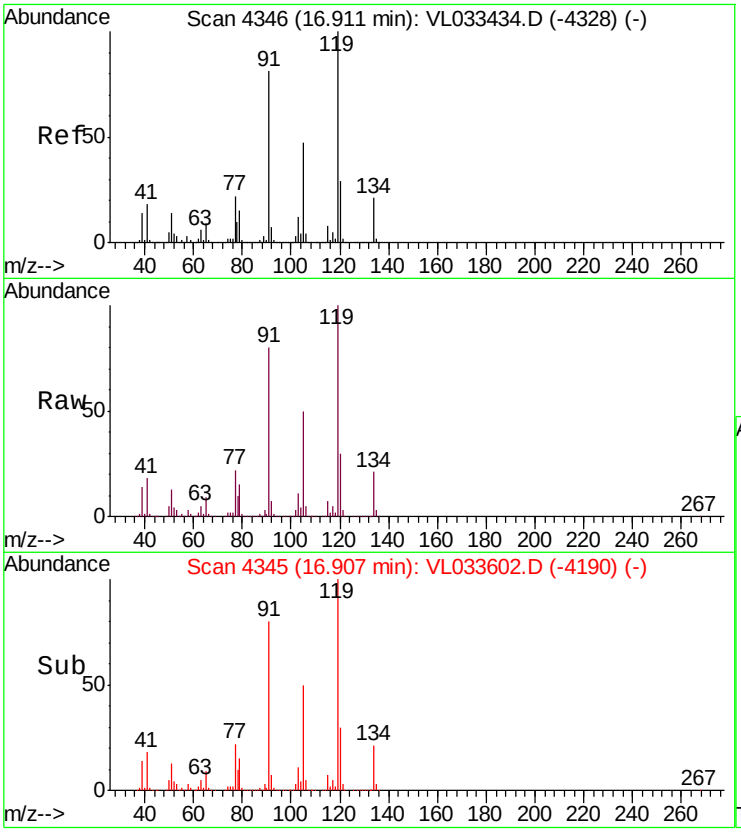


#64
n-propylbenzene
Concen: 7.504 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:120 Resp: 827536

Ion	Ratio	Lower	Upper
120	100		
91	478.0	387.4	581.2



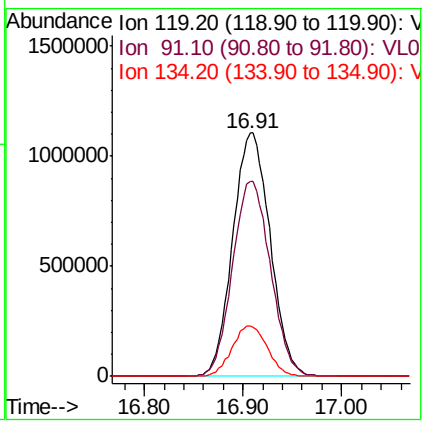


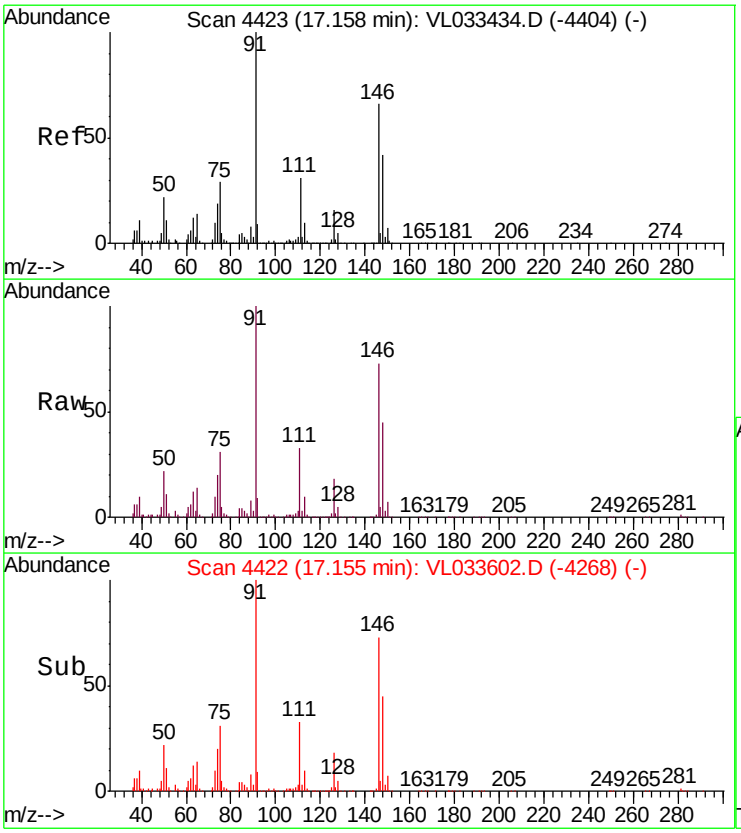
#65
tert-Butylbenzene
Concen: 7.596 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:119 Resp: 2909349

Ion	Ratio	Lower	Upper
119	100		
91	81.4	66.4	99.6
134	19.6	15.5	23.3

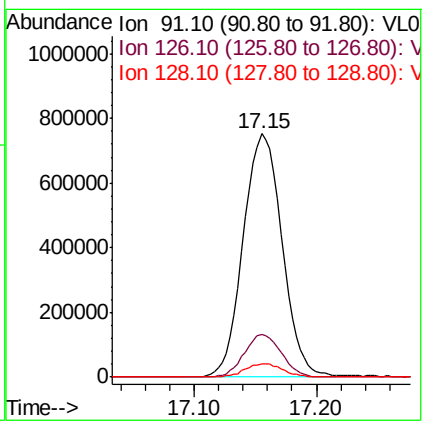


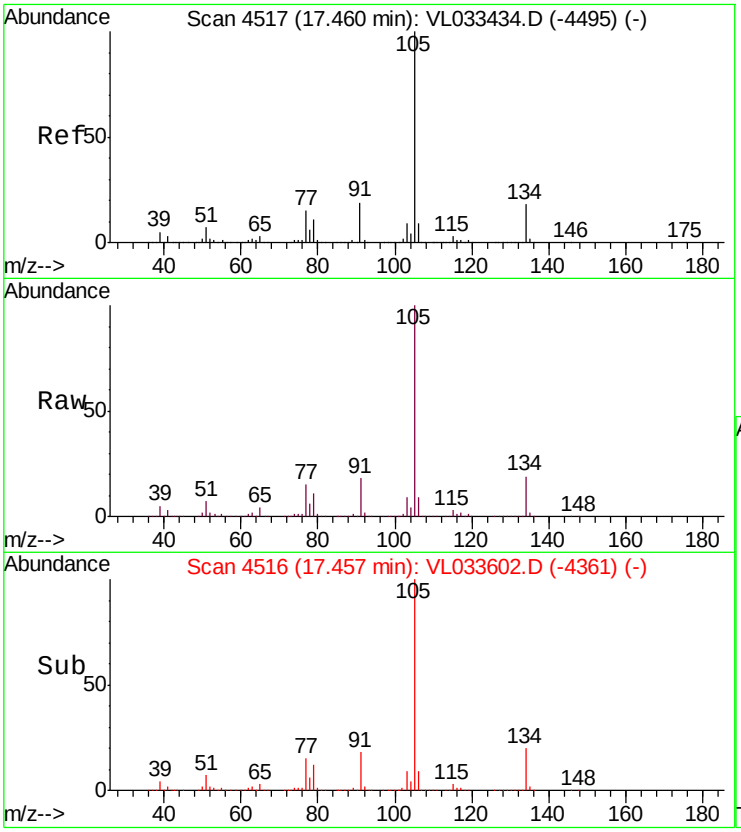


#66
Benzyl Chloride
Concen: 9.315 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 91 Resp: 1658916

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.0	19.6
128	5.4	4.2	6.2



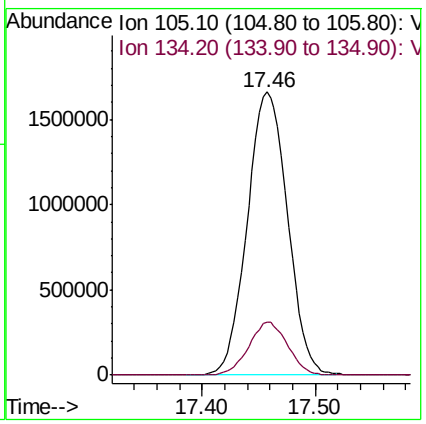


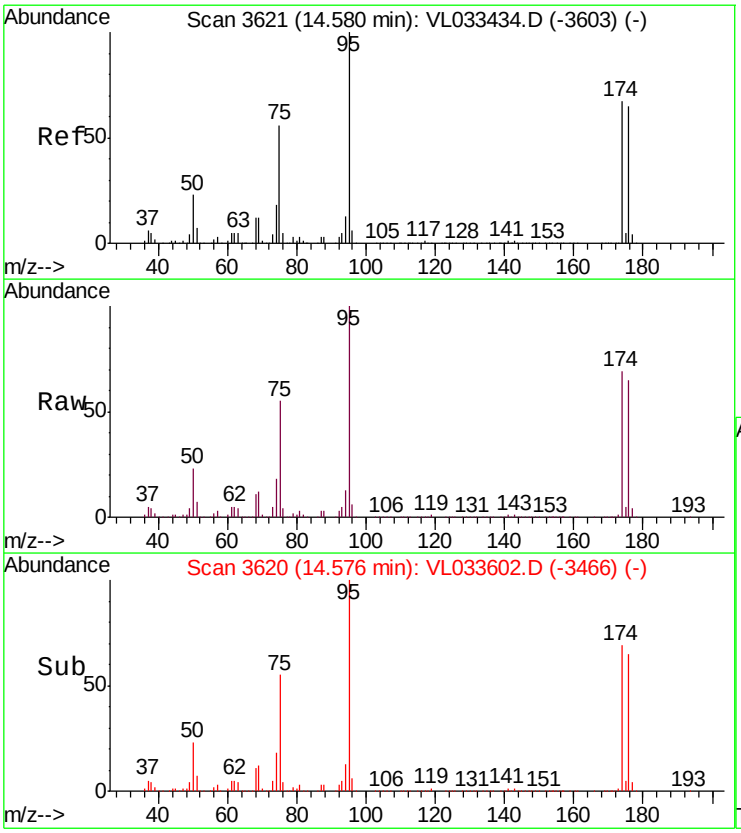
#67
sec-Butylbenzene
Concen: 7.529 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:105 Resp: 4100611

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

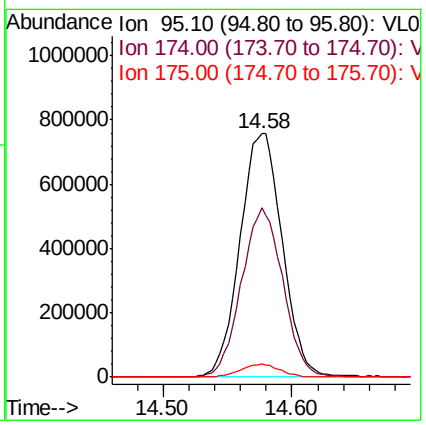


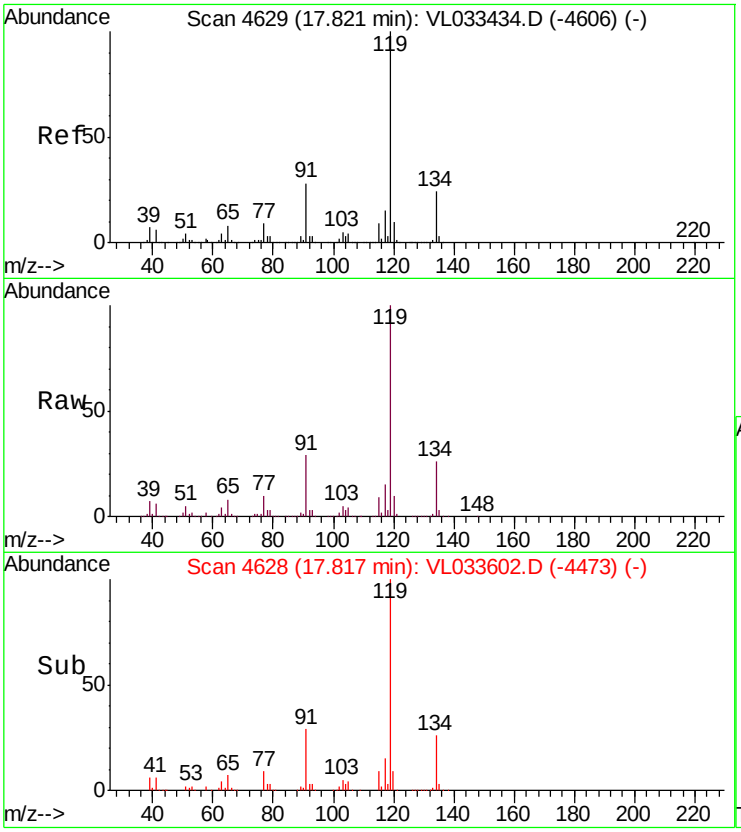


#68
1-Bromo-4-Fluorobenzene
Concen: 8.318 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 95 Resp: 1735160

Ion	Ratio	Lower	Upper
95	100		
174	68.0	52.9	79.3
175	4.9	3.8	5.6



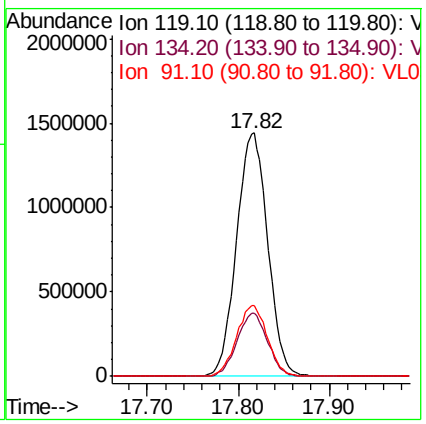


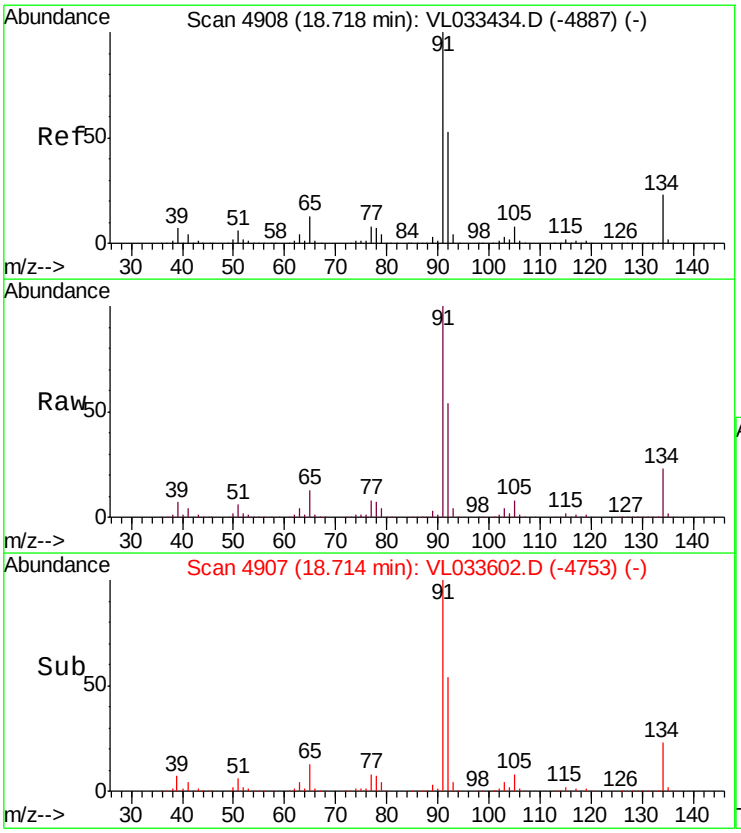
#69
p-Isopropyltoluene
Concen: 7.715 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:119 Resp: 3421480

Ion	Ratio	Lower	Upper
119	100		
134	25.5	19.9	29.9
91	28.6	23.4	35.0

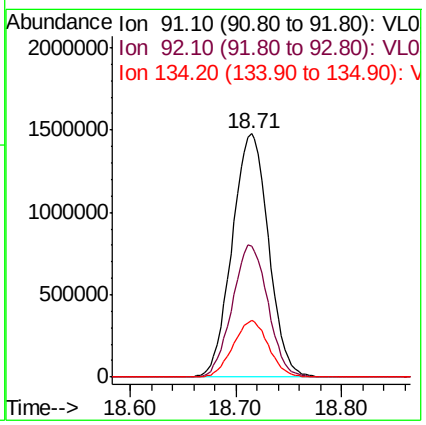


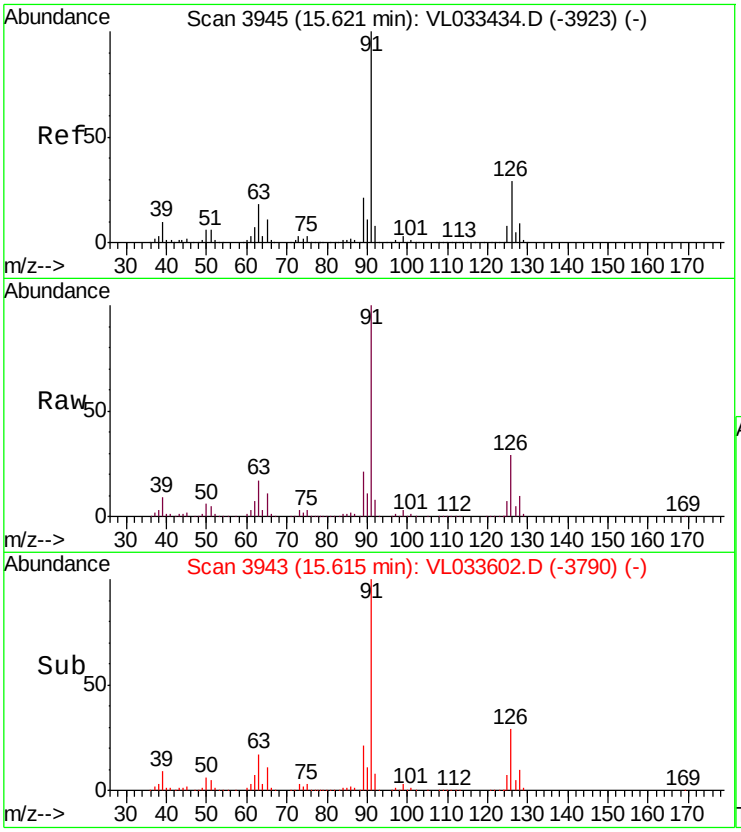


#70
n-Butylbenzene
Concen: 7.523 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion: 91 Resp: 3534796

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	64.0
134	22.7	17.5	26.3



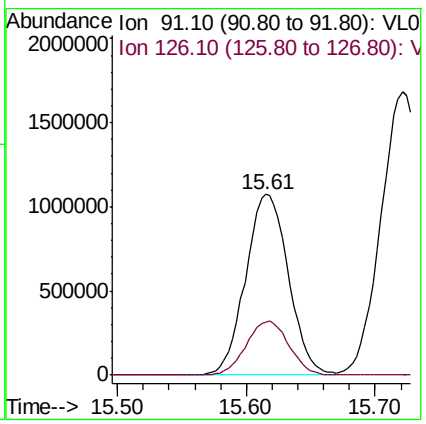


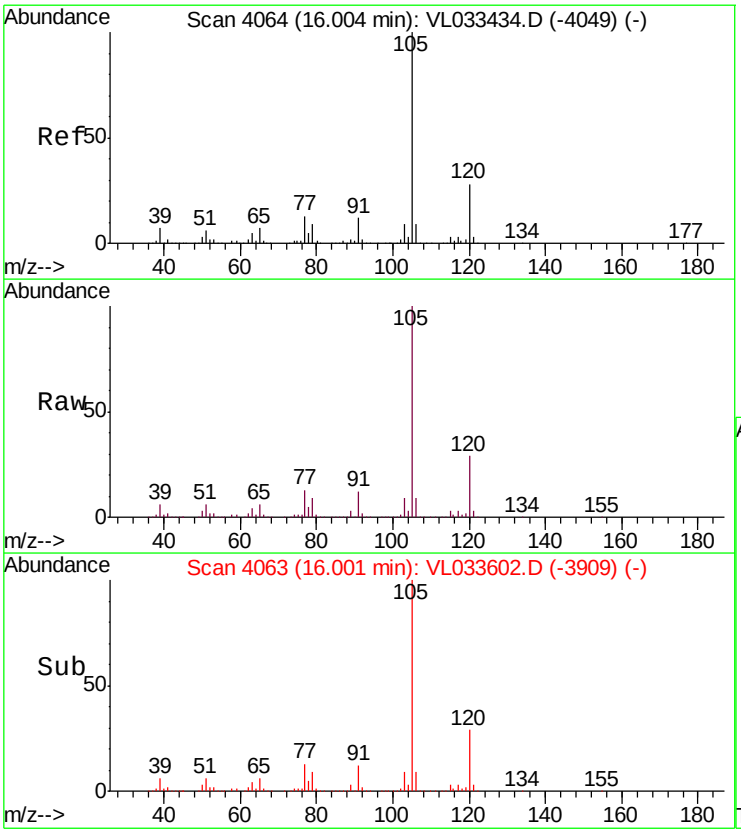
#71
2-Chlorotoluene
Concen: 7.516 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion: 91 Resp: 2483906

Ion	Ratio	Lower	Upper
91	100		
126	29.9	11.7	46.9

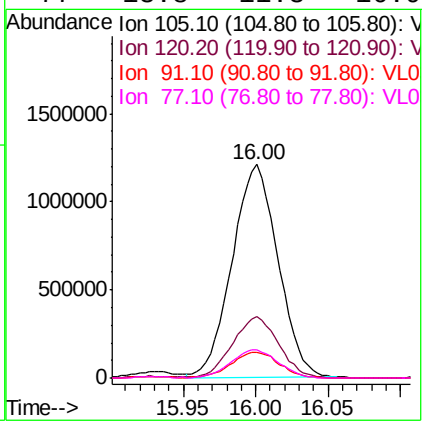


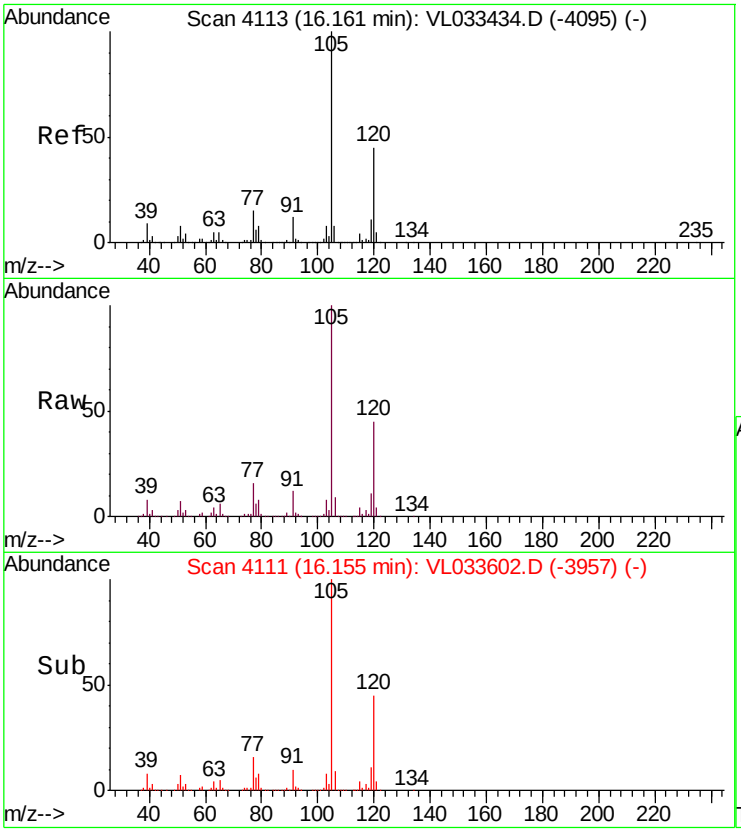


#72
4-Ethyltoluene
Concen: 7.719 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:105 Resp: 2663147

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	12.9	10.4	15.6
77	13.8	11.3	16.9



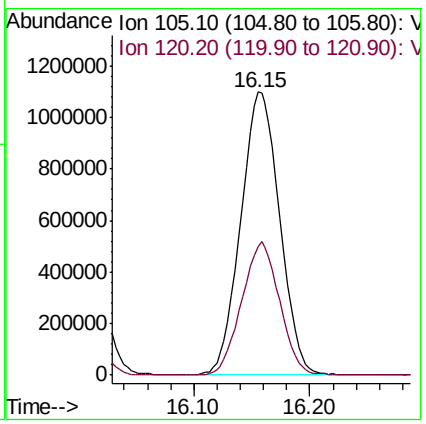


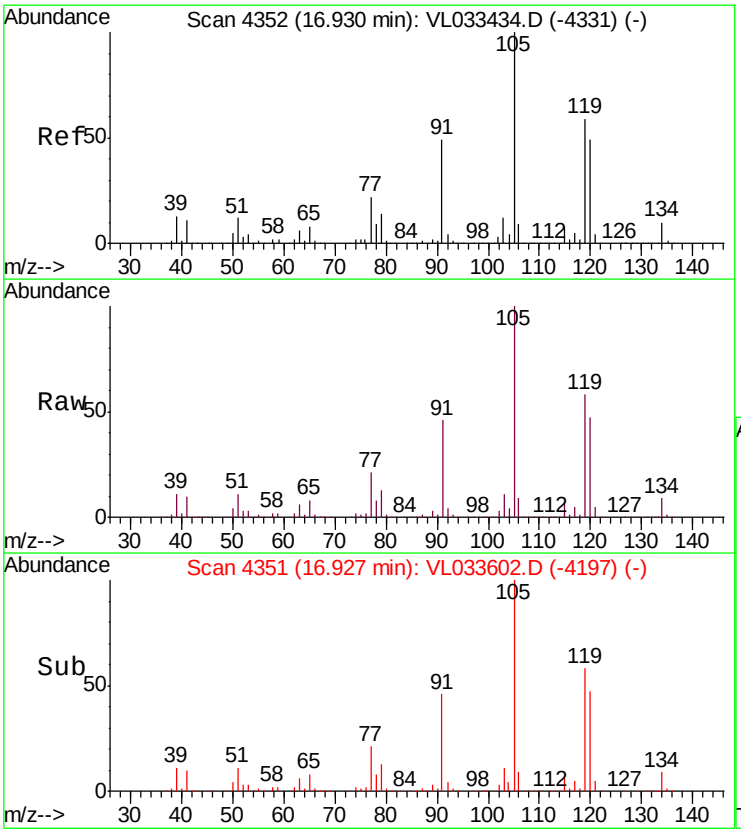
#73
1,3,5-Trimethylbenzene
Concen: 7.739 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:105 Resp: 2554857

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.7	53.5

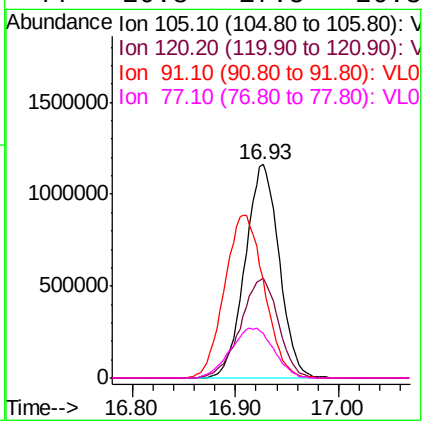


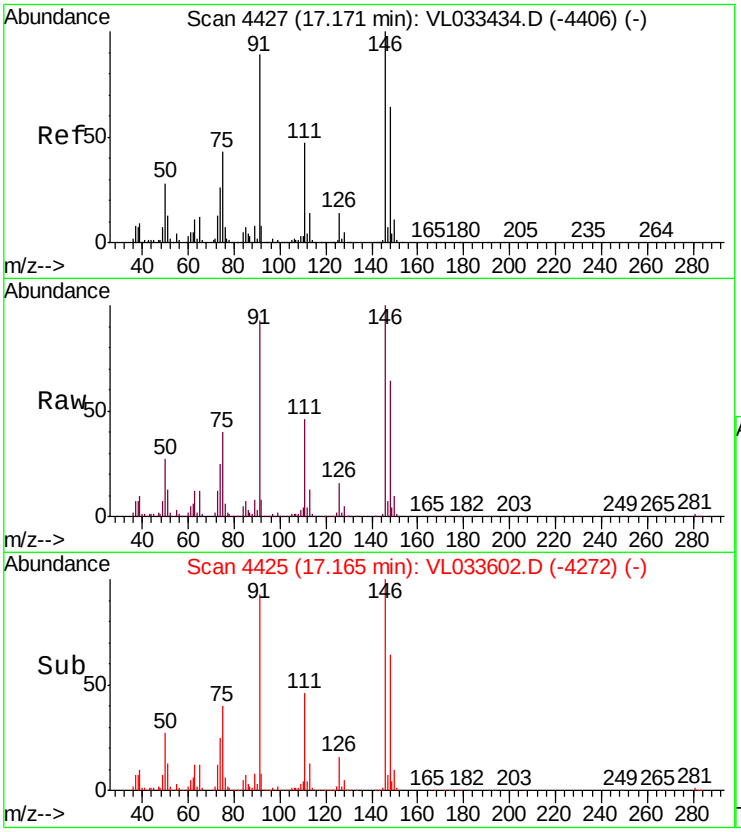


#74
1,2,4-Trimethylbenzene
Concen: 7.508 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:105 Resp: 2656672

Ion	Ratio	Lower	Upper
105	100		
120	46.6	39.0	58.6
91	45.8	40.0	60.0
77	20.8	17.5	26.3



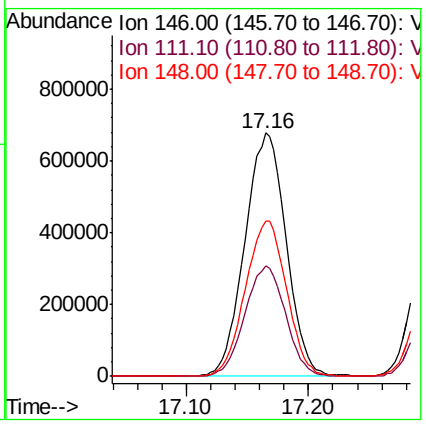


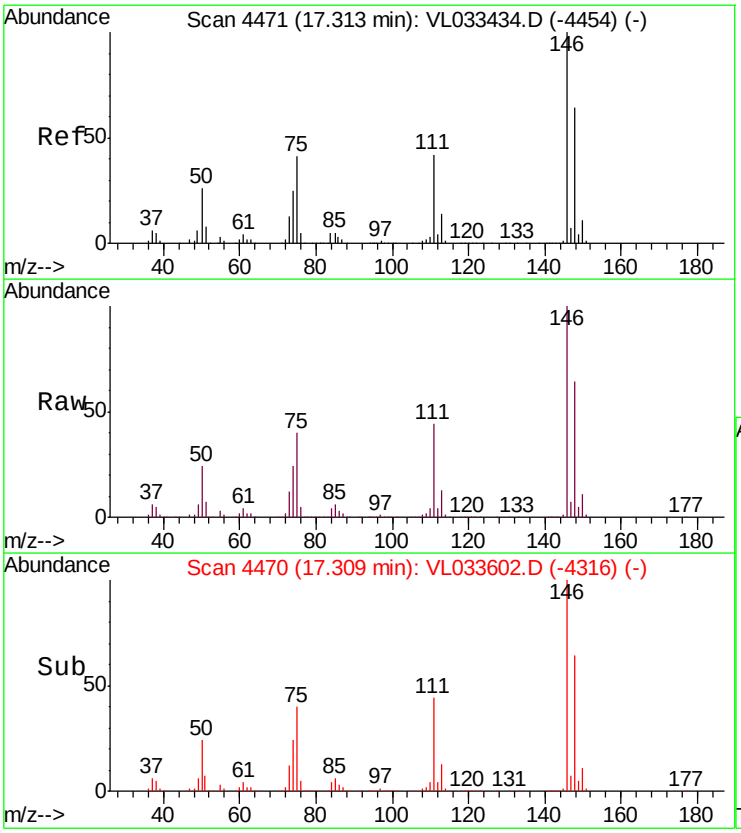
#75
1,3-Dichlorobenzene
Concen: 7.243 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:146 Resp: 1584098

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	64.3	32.0	96.2

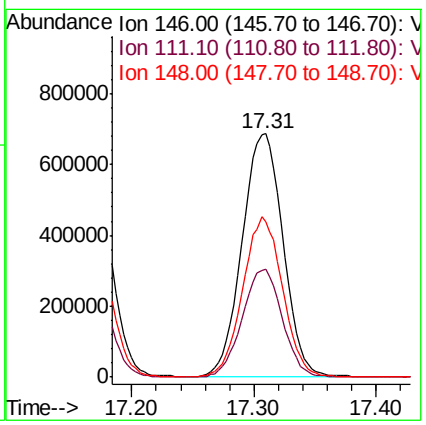


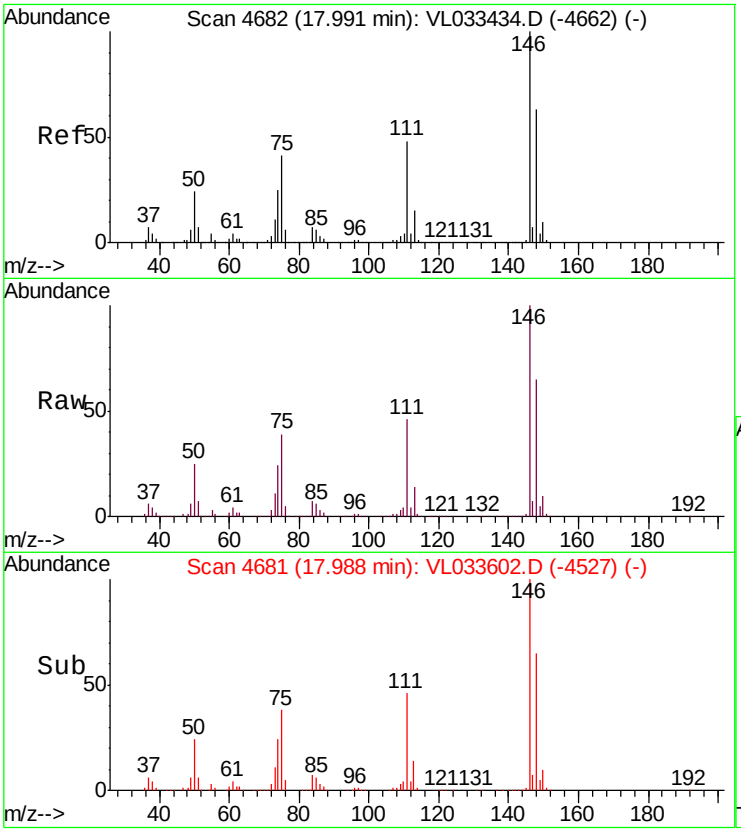


#76
1,4-Dichlorobenzene
Concen: 7.438 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:146 Resp: 1585061

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.7	65.1
148	64.4	32.0	96.2



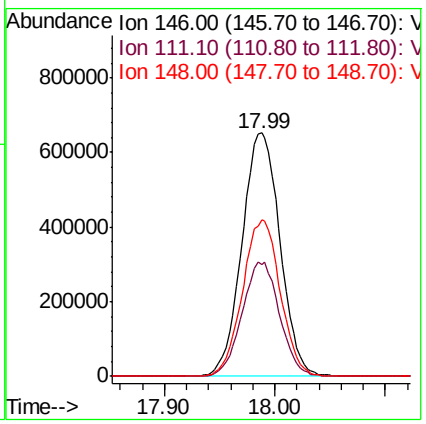


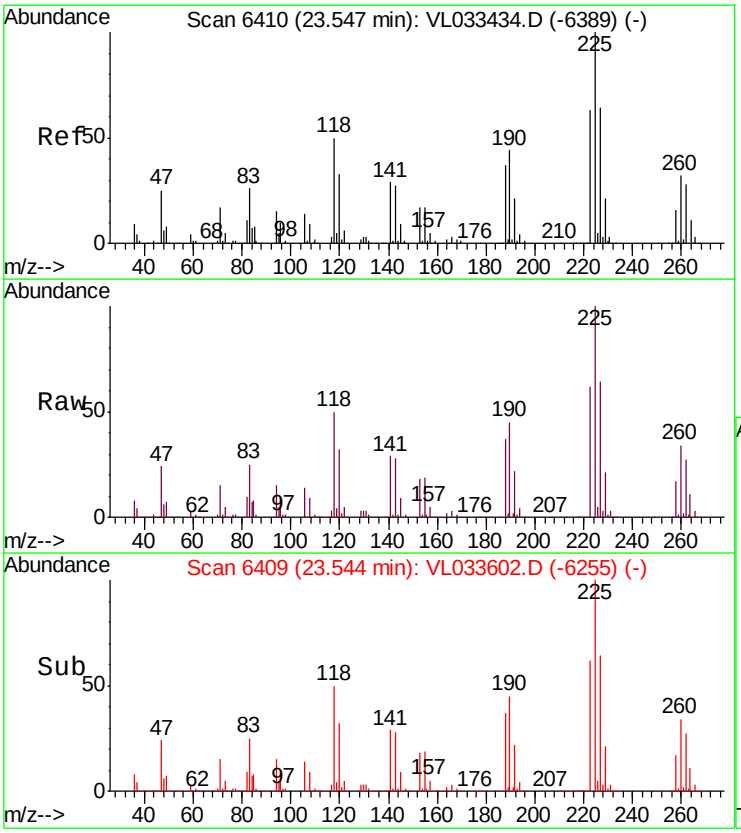
#77
1,2-Dichlorobenzene
Concen: 7.497 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument : MSVOA_L
ClientSampleId : VL0417ABSD01

Tgt Ion:146 Resp: 1555763

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.5	70.5
148	64.1	32.0	96.0

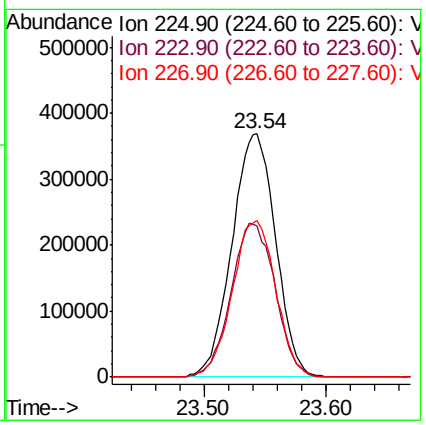


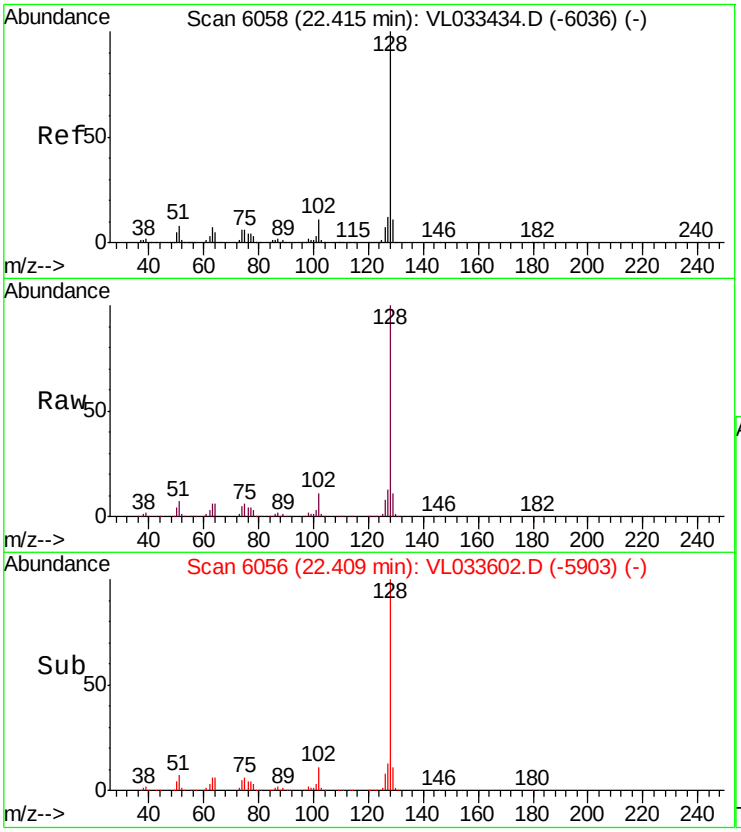


#78
Hexachloro-1,3-Butadiene
Concen: 6.642 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:225 Resp: 912343

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.0	75.0
227	63.9	51.1	76.7



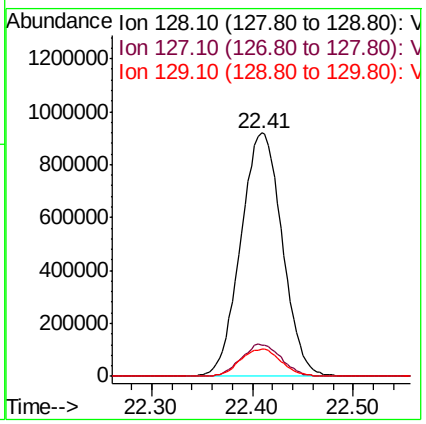


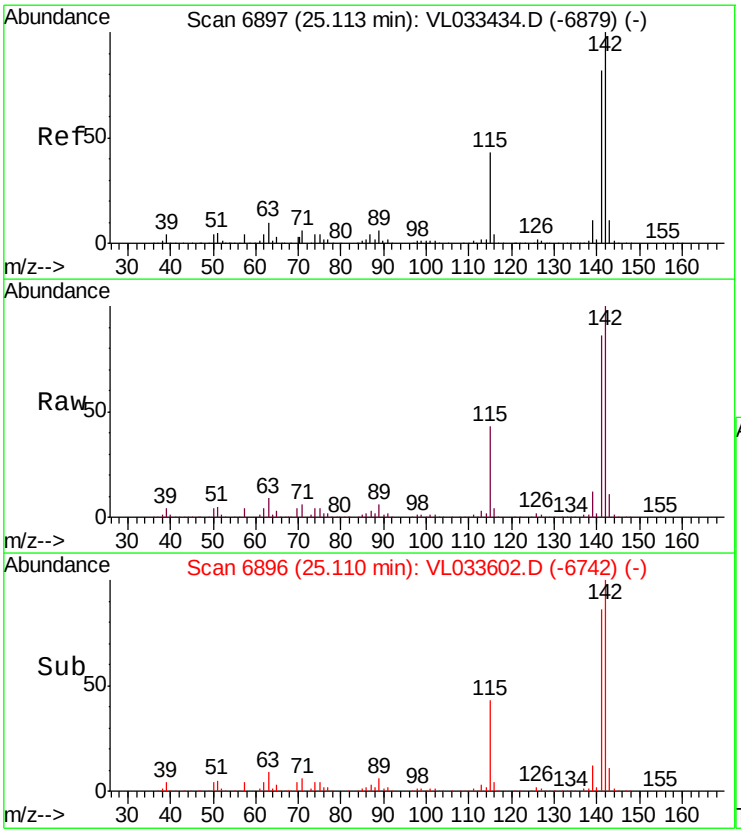
#79
Naphthalene
Concen: 8.662 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:128 Resp: 2623870

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.2	8.6	12.8

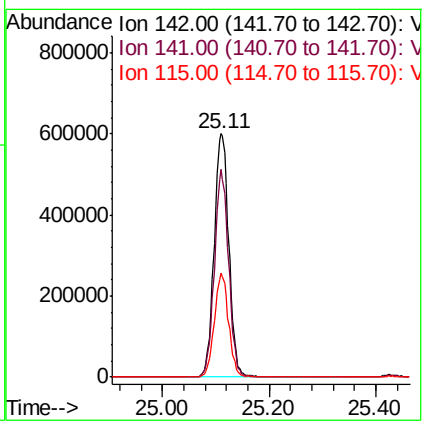


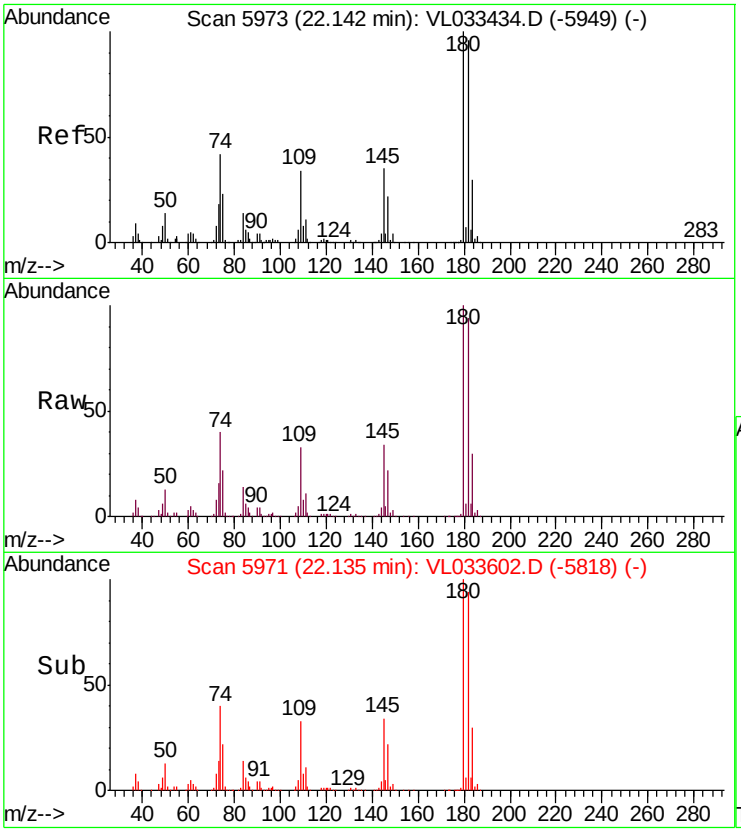


#80
Naphthalene,2-methyl-
Concen: 11.334 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Tgt Ion:142 Resp: 1152179

Ion	Ratio	Lower	Upper
142	100		
141	82.3	66.6	99.8
115	41.4	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 8.278 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033602.D
Acq: 17 Apr 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABSD01

Tgt Ion:180 Resp: 1390903

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
184	31.1	24.6	36.8