Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034451.D
Acq On : 3 Dec 2019 7:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 03 07:43:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	744762	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1499168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1644285	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1286063	9.30	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1781245	13.220	ppbv	98
3) Chlorodifluoromethane	2.97	51	1114409	11.993	ppbv	98
4) Chloromethane	3.12	50	586913	10.708	ppbv	96
5) Vinyl Chloride	3.24	62	561243	10.929	ppbv	95
6) Bromomethane	3.46	94	324576	12.562	ppbv	90
7) Chloroethane	3.55	64	209954	11.264	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1364402	11.277	ppbv	100
9) Propene	2.99	41	445958	10.810	ppbv	100
10) Heptane	8.16	43	1197461	11.247	ppbv	99
11) Trichlorofluoromethane	3.94	101	1538085	11.471	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1021083	11.467	ppbv	100
13) Ethanol	3.59	45	101387	8.822	ppbv	96
14) Bromoethene	3.73	108	409301	11.304	ppbv	99
15) Acetone	3.84	43	1105377	10.365	ppbv	99
16) 1,3-Butadiene	3.31	39	532145	11.455	ppbv	99
17) tert-Butyl alcohol	4.29	59	820212	9.150	ppbv	100
18) 1,1-Dichloroethene	4.29	96	449965	11.552	ppbv	93
19) Isopropyl Alcohol	3.97	45	669031	9.787	ppbv	99
20) Methylene Chloride	4.35	84	391049	10.341	ppbv	92
21) Allyl Chloride	4.41	41	761927	11.923	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	456120	11.616	ppbv	97
23) Vinyl Acetate	5.09	43	1688818	12.122	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1213976	11.344	ppbv	99
25) Ethyl Acetate	5.69	43	2064588	10.849	ppbv	100
26) Hexane	5.71	57	891501	10.902	ppbv	99
27) Carbon Disulfide	4.55	76	1111465	12.479	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1571134	11.587	ppbv	99
29) Chloroform	5.78	83	1475856	11.145	ppbv	95
30) Cyclohexane	7.17	84	708219	11.456	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	967874	11.454	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1527664	12.304	ppbv	99
34) 2-Butanone	5.26	43	1373646	11.132	ppbv	98
35) Carbon Tetrachloride	7.05	117	1573458	12.207	ppbv	97
36) Benzene	6.93	78	1682995	11.230	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1294574	11.628	ppbv	100
38) Trichloroethene	7.88	130	669116	10.880	ppbv	97
39) 1,2-Dichloropropane	7.65	63	712829	12.346	ppbv	99
40) 1,4-Dioxane	7.87	88	242718	9.624	ppbv #	98
41) Tetrahydrofuran	6.07	42	774117	11.184	ppbv	99
42) Bromodichloromethane	7.84	83	1654266	11.881	ppbv	99
43) Methyl Methacrylate	8.06	69	722173	11.618	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034451.D
Acq On : 3 Dec 2019 7:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 03 07:43:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3071193	11.214	ppbv		99
45) t-1,3-Dichloropropene	9.33	75	957979	12.018	ppbv		97
46) cis-1,3-Dichloropropene	8.75	75	1061835	11.859	ppbv		96
47) 1,1,2-Trichloroethane	9.53	97	723112	11.259	ppbv		93
48) Dibromochloromethane	10.37	129	1364037	12.370	ppbv		100
49) Bromoform	13.11	173	1211909	12.311	ppbv		99
50) 4-Methyl-2-Pentanone	8.78	43	2073047	11.611	ppbv		100
51) 2-Hexanone	10.18	43	1735487	11.605	ppbv	#	97
52) Tetrachloroethene	11.28	164	637423	9.830	ppbv		96
53) Toluene	9.86	91	1948723	11.448	ppbv		100
54) 1,2-Dibromoethane	10.67	107	1150915	11.689	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.19	131	929187	11.553	ppbv		99
57) Chlorobenzene	12.21	112	1502594	10.109	ppbv		98
58) Ethyl Benzene	12.78	91	2728526	10.693	ppbv		96
59) m/p-Xylene	13.06	91	2429849	11.016	ppbv	#	39
60) o-Xylene	13.76	91	2332849	10.697	ppbv		98
61) Styrene	13.60	104	1632658	10.381	ppbv		100
62) Isopropylbenzene	14.74	105	3066899	10.633	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1659186	10.121	ppbv		100
64) n-propylbenzene	15.64	120	798813	10.665	ppbv		98
65) tert-Butylbenzene	16.82	119	2761156	10.657	ppbv		99
66) Benzyl Chloride	17.07	91	1269850	12.740	ppbv		99
67) sec-Butylbenzene	17.37	105	3870811	10.681	ppbv		99
69) p-Isopropyltoluene	17.73	119	3197268	10.630	ppbv		100
70) n-Butylbenzene	18.63	91	3425689	10.585	ppbv		99
71) 2-Chlorotoluene	15.53	91	2407072	10.466	ppbv		100
72) 4-Ethyltoluene	15.91	105	2659476	10.554	ppbv		99
73) 1,3,5-Trimethylbenzene	16.08	105	2584985	10.480	ppbv		95
74) 1,2,4-Trimethylbenzene	16.84	105	2655827	10.136	ppbv		98
75) 1,3-Dichlorobenzene	17.08	146	1477560	9.811	ppbv		99
76) 1,4-Dichlorobenzene	17.22	146	1482312	10.136	ppbv		100
77) 1,2-Dichlorobenzene	17.90	146	1475768	10.145	ppbv		100
78) Hexachloro-1,3-Butadiene	23.46	225	1270502	10.166	ppbv		99
79) Naphthalene	22.30	128	2243307	9.876	ppbv		99
80) Naphthalene,2-methyl-	25.04	142	579630	5.651	ppbv		99
81) 1,2,4-Trichlorobenzene	22.03	180	1270421	9.104	ppbv		100

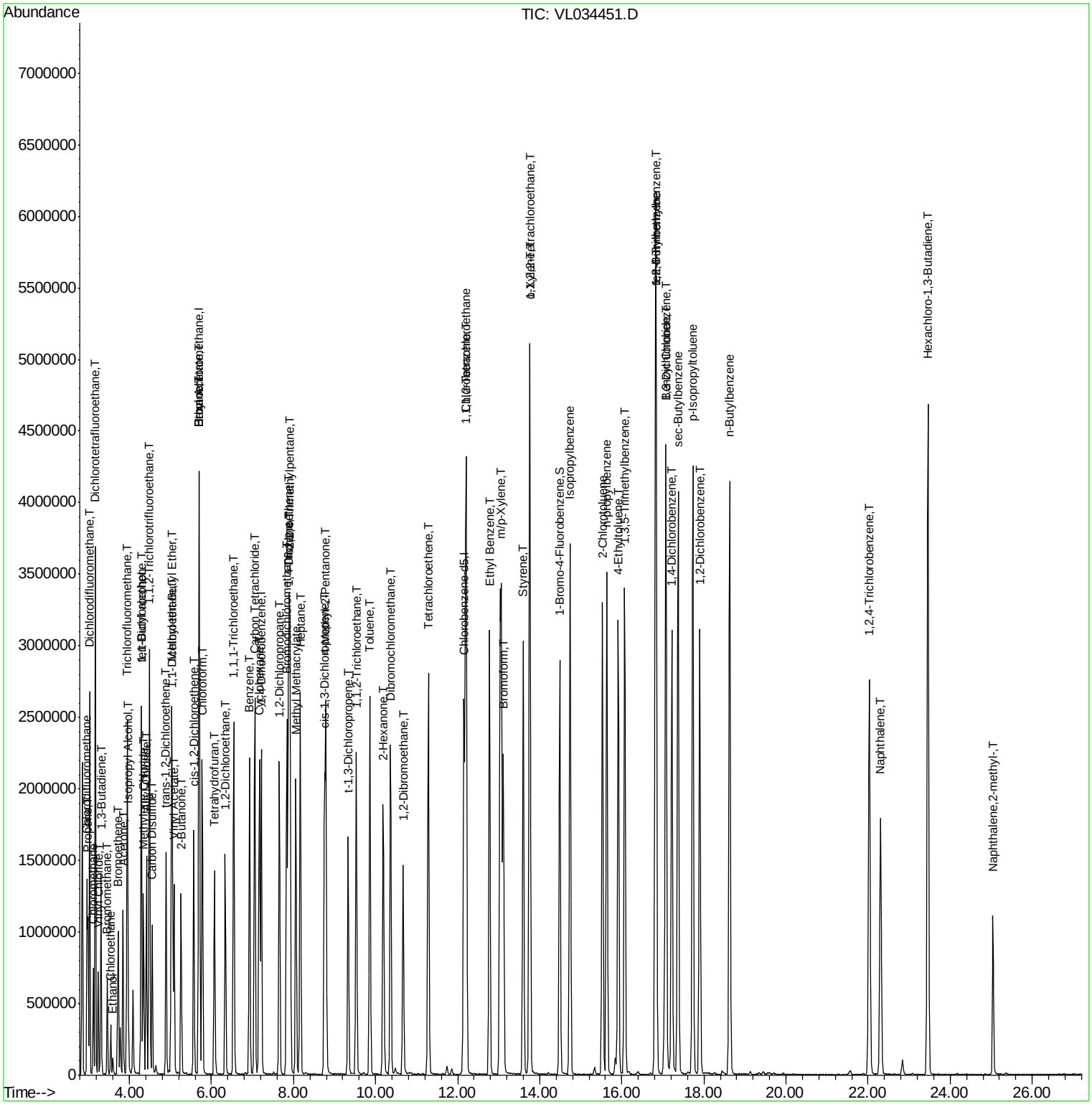
(#) = qualifier out of range (m) = manual integration (+) = signals summed

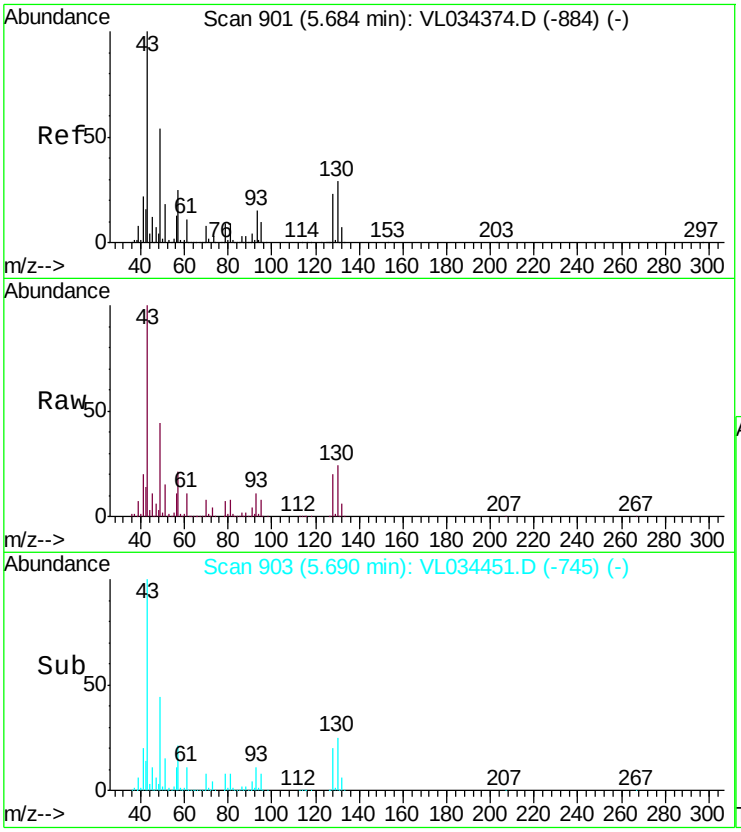
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034451.D
Acq On : 3 Dec 2019 7:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 03 07:43:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



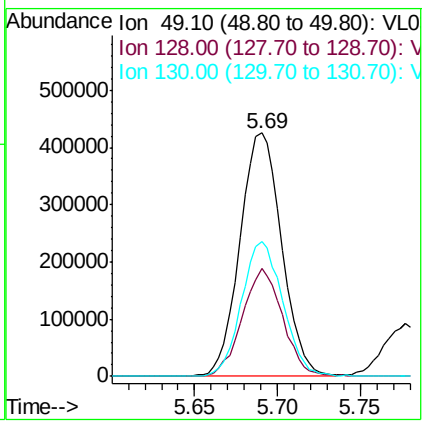


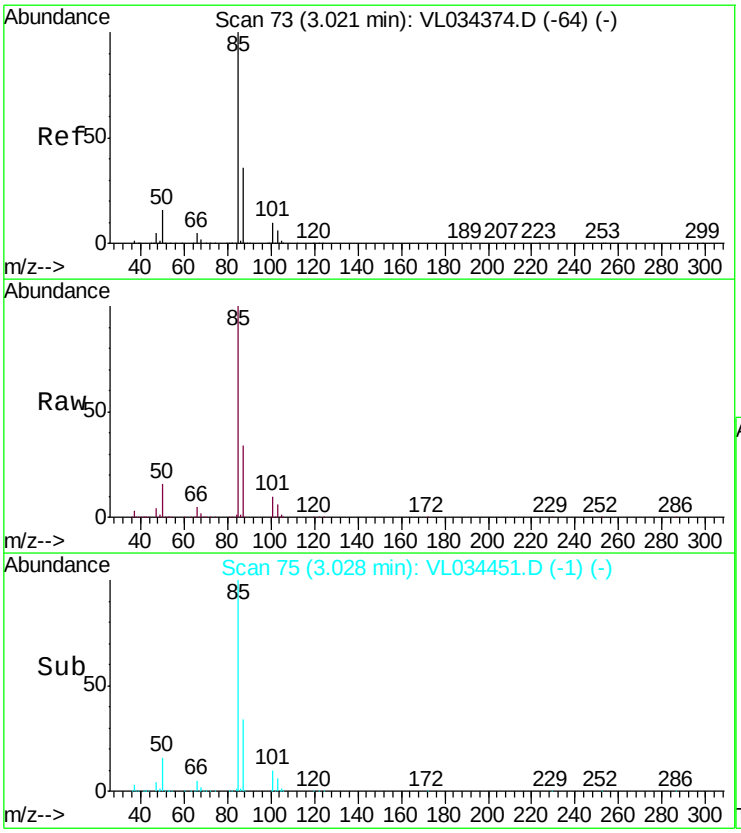
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 744762

Ion	Ratio	Lower	Upper
49	100		
128	42.8	21.8	65.3
130	54.8	28.0	84.0

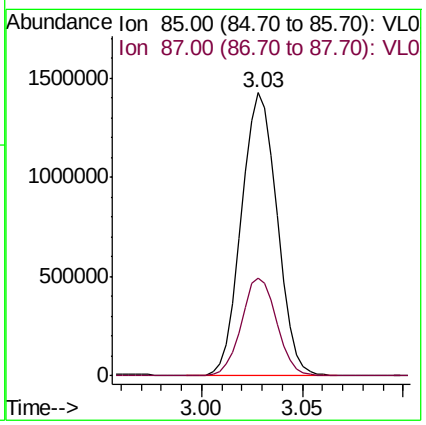


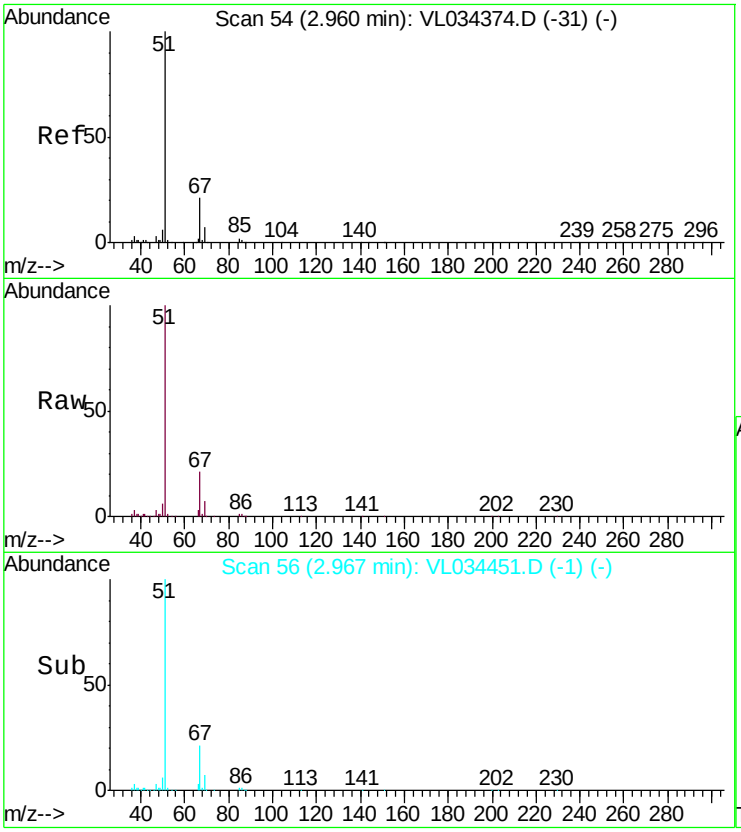


#2
Dichlorodifluoromethane
Concen: 13.220 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 85 Resp: 1781245

Ion	Ratio	Lower	Upper
85	100		
87	34.4	28.5	42.7



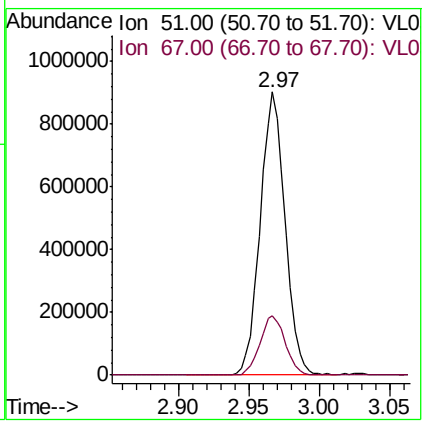


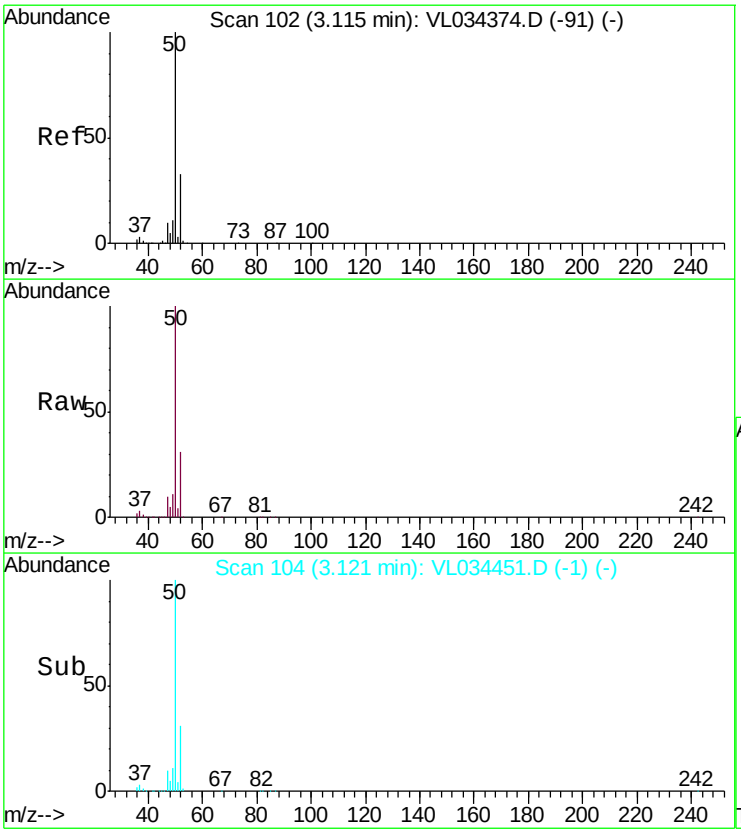
#3
Chlorodifluoromethane
Concen: 11.993 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 1114409

Ion	Ratio	Lower	Upper
51	100		
67	21.3	16.2	24.2

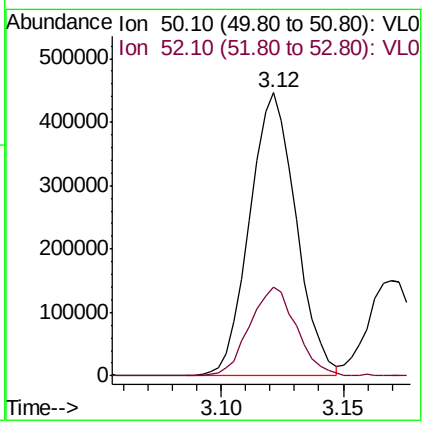


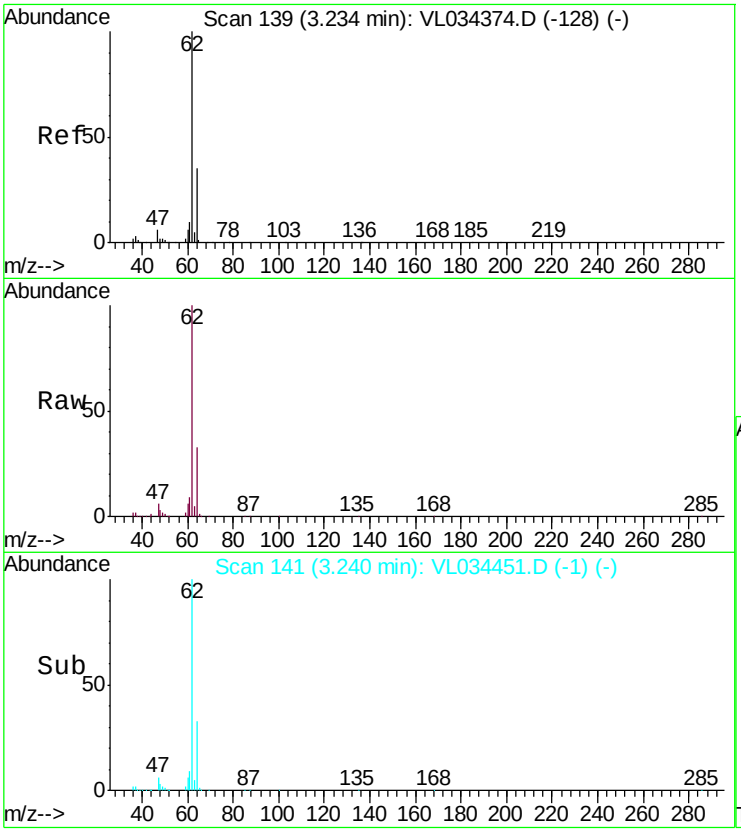


#4
Chloromethane
Concen: 10.708 ppbv
RT: 3.12 min Scan# 104
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 50 Resp: 586913

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.8	40.2



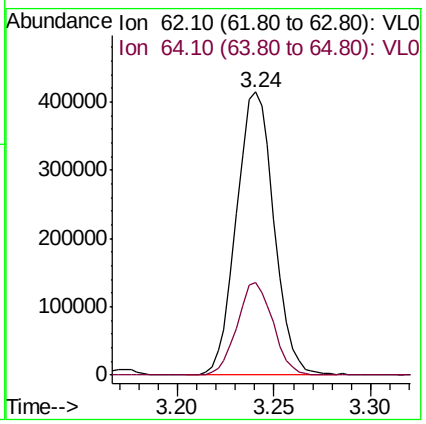


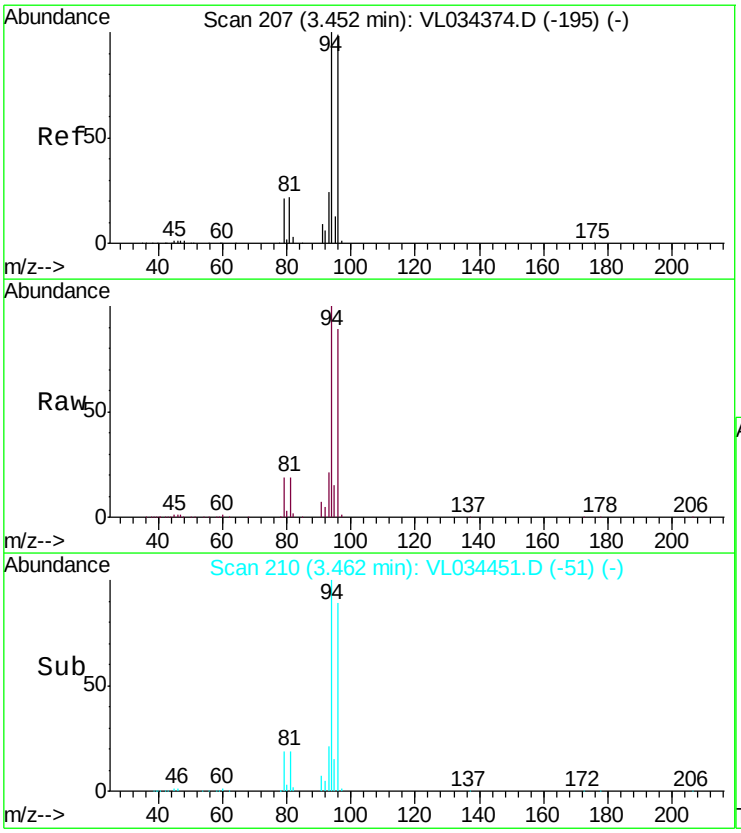
#5
Vinyl Chloride
Concen: 10.929 ppbv
RT: 3.24 min Scan# 141
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 561243

Ion	Ratio	Lower	Upper
62	100		
64	32.6	28.4	42.6

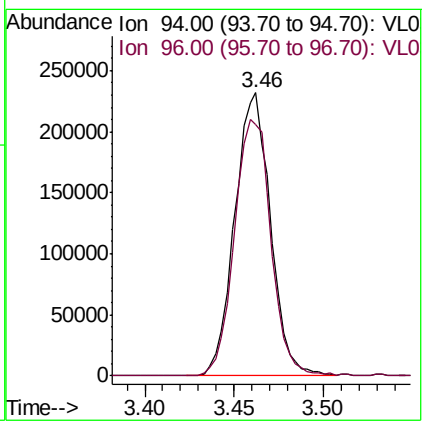


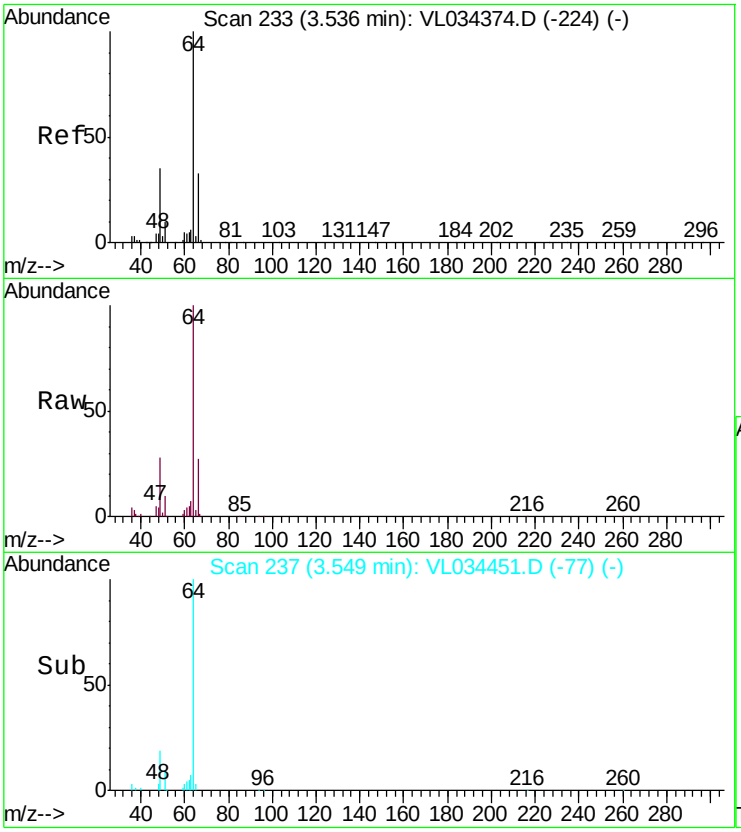


#6
Bromomethane
Concen: 12.562 ppbv
RT: 3.46 min Scan# 210
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 94 Resp: 324576

Ion	Ratio	Lower	Upper
94	100		
96	89.0	79.5	119.3



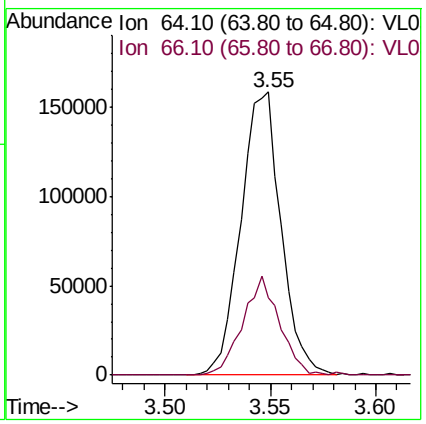


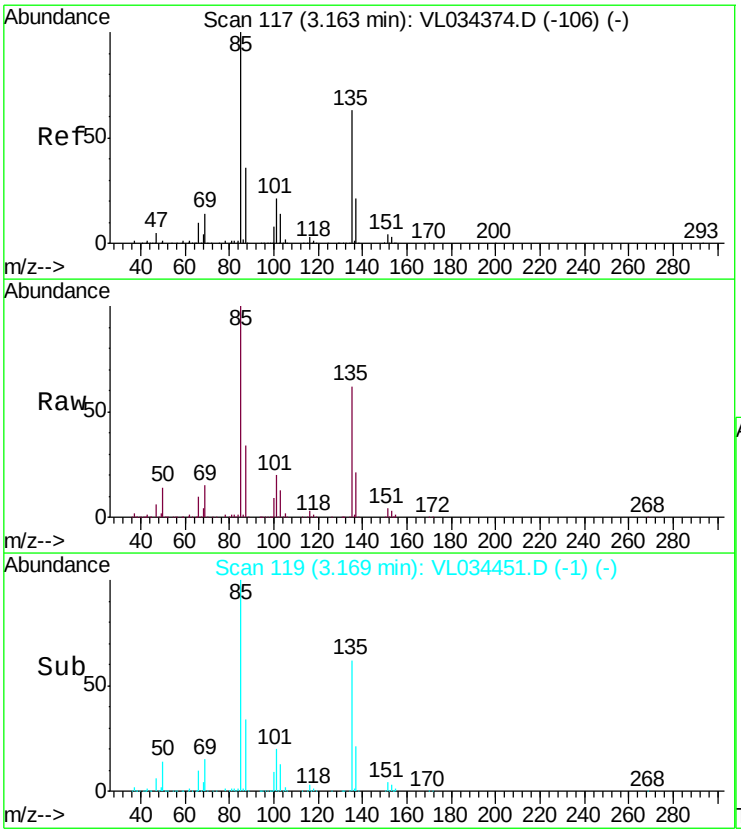
#7
Chloroethane
Concen: 11.264 ppbv
RT: 3.55 min Scan# 237
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 209954

Ion	Ratio	Lower	Upper
64	100		
66	27.4	26.0	39.0

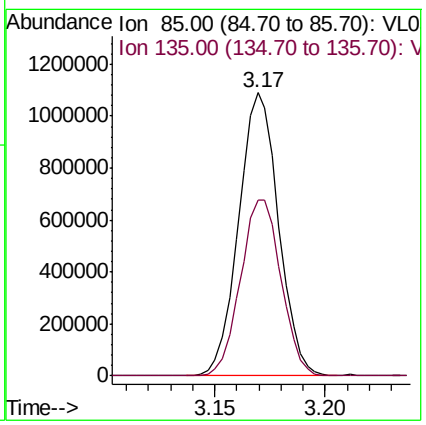


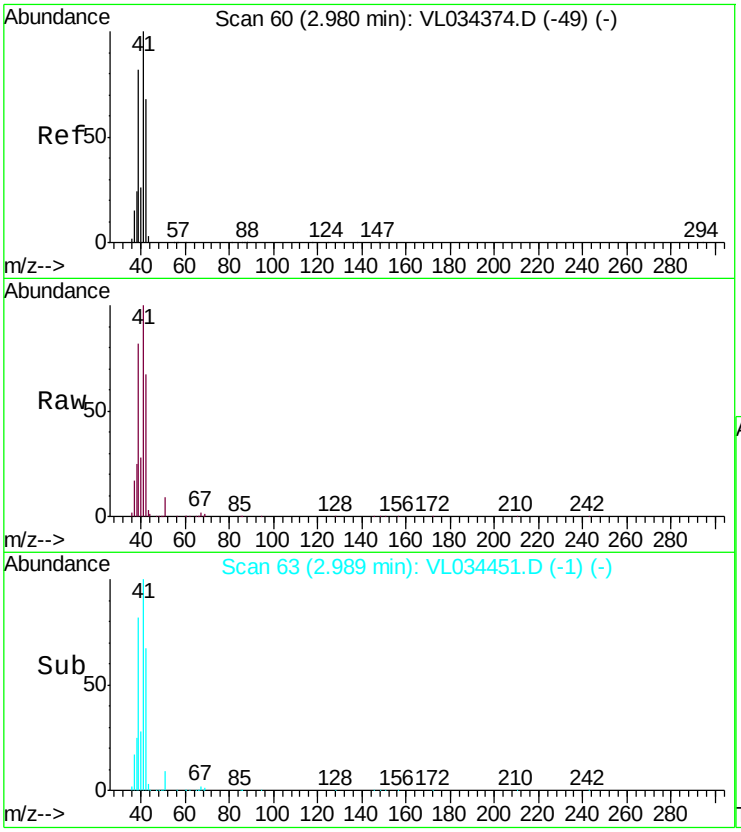


#8
Dichlorotetrafluoroethane
Concen: 11.277 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 85 Resp: 1364402

Ion	Ratio	Lower	Upper
85	100		
135	63.7	51.1	76.7



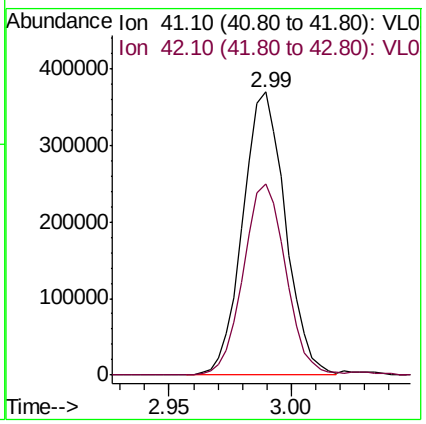


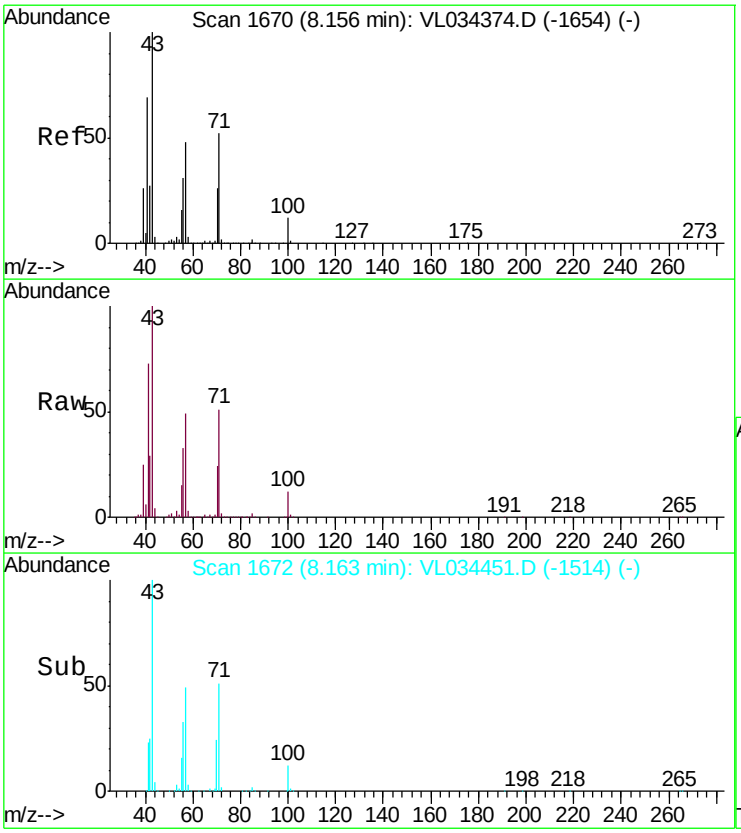
#9
Propene
Concen: 10.810 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 445958

Ion	Ratio	Lower	Upper
41	100		
42	68.5	54.6	82.0

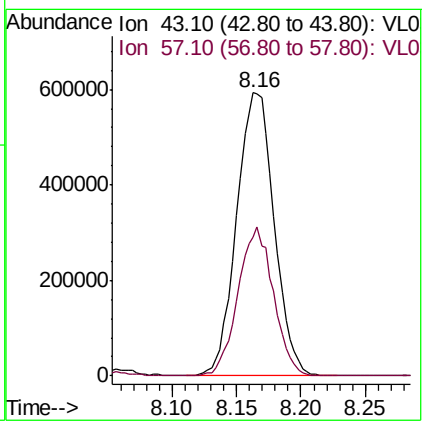


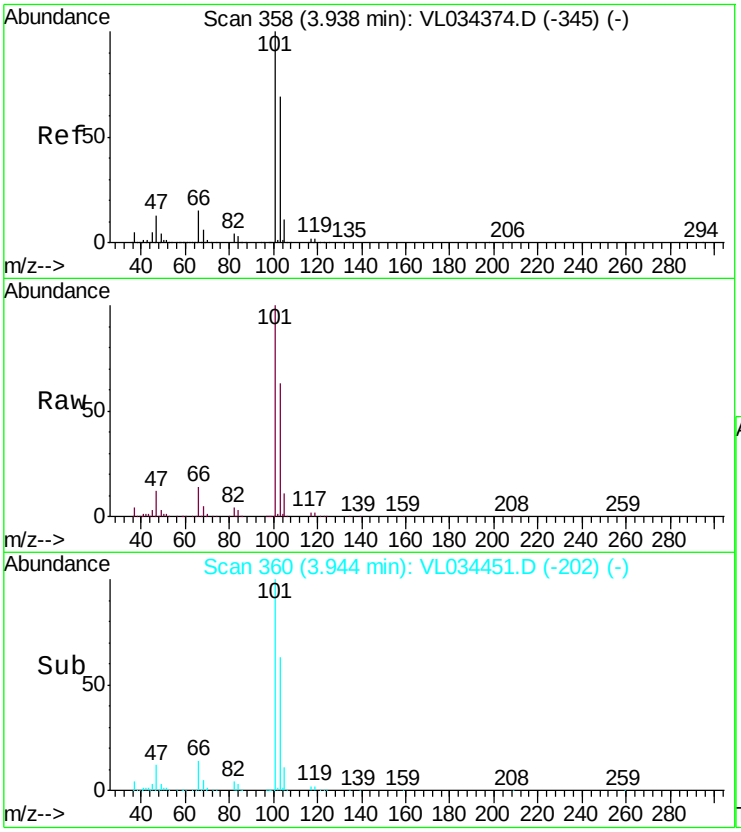


#10
Heptane
Concen: 11.247 ppbv
RT: 8.16 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 43 Resp: 1197461

Ion	Ratio	Lower	Upper
43	100		
57	49.6	40.2	60.2



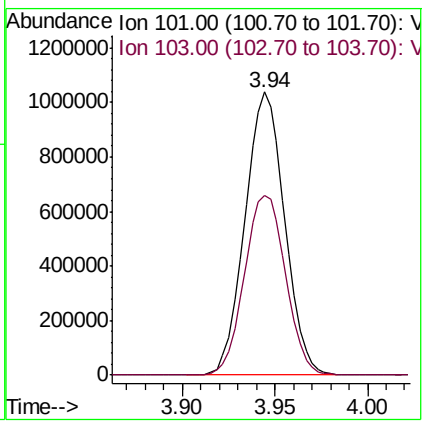


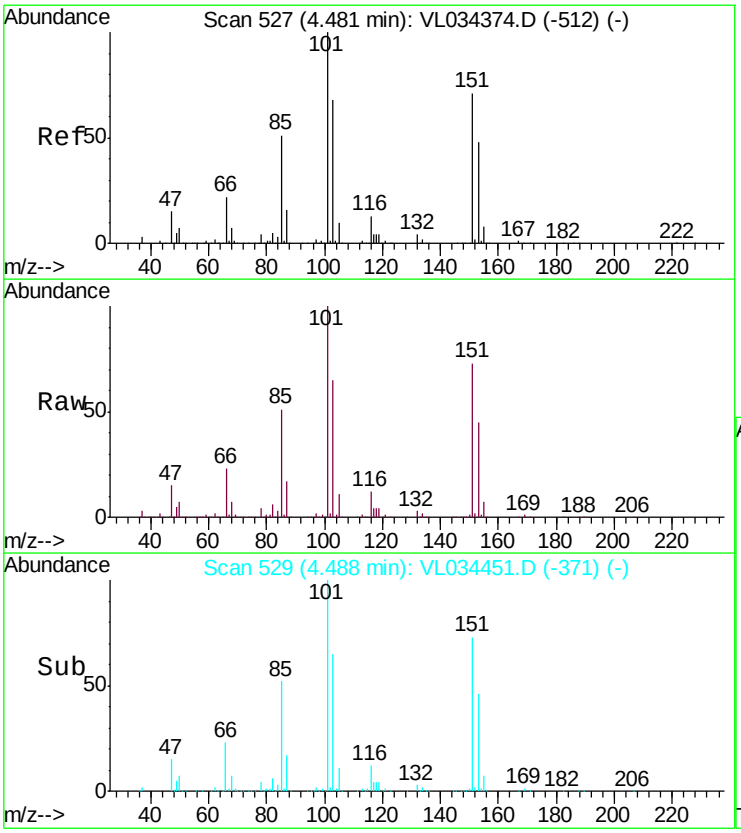
#11
Trichlorofluoromethane
Concen: 11.471 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1538085

Ion	Ratio	Lower	Upper
101	100		
103	63.3	55.4	83.0

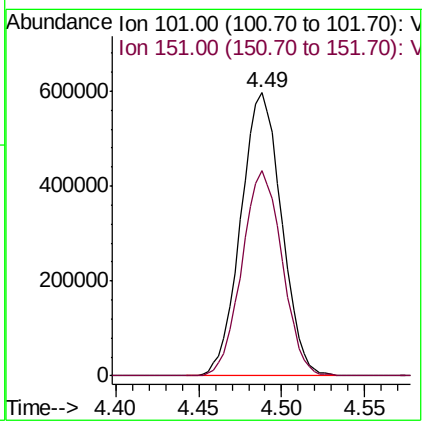


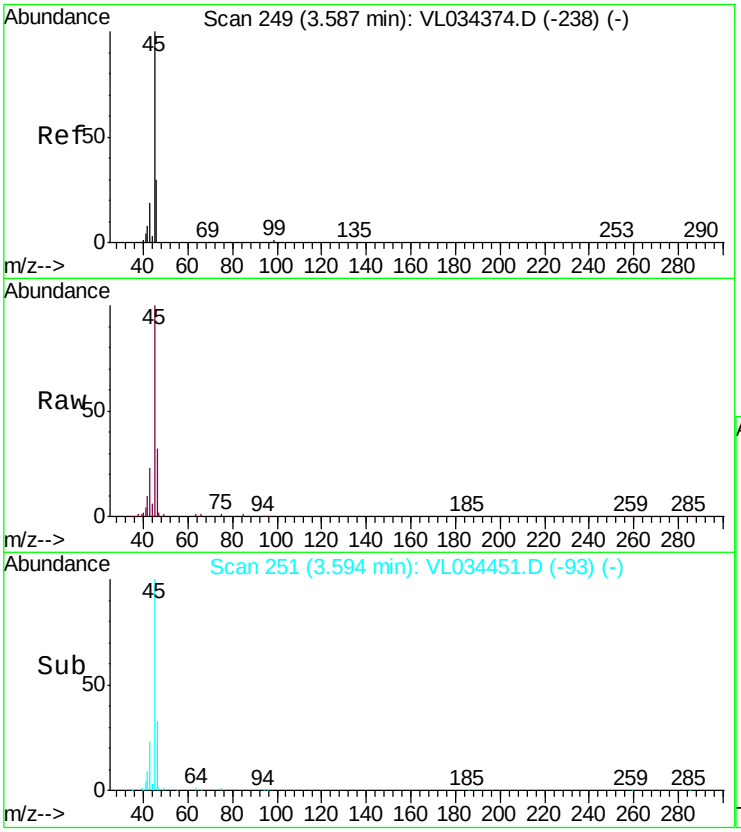


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.467 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:101 Resp: 1021083

Ion	Ratio	Lower	Upper
101	100		
151	71.7	57.4	86.2



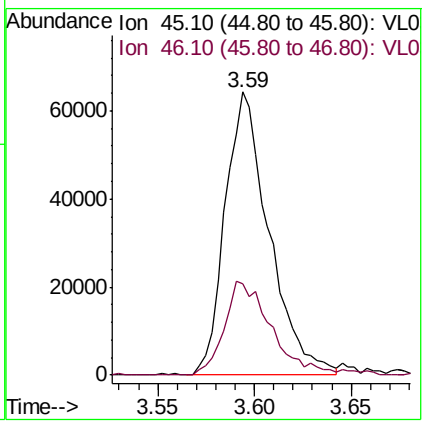


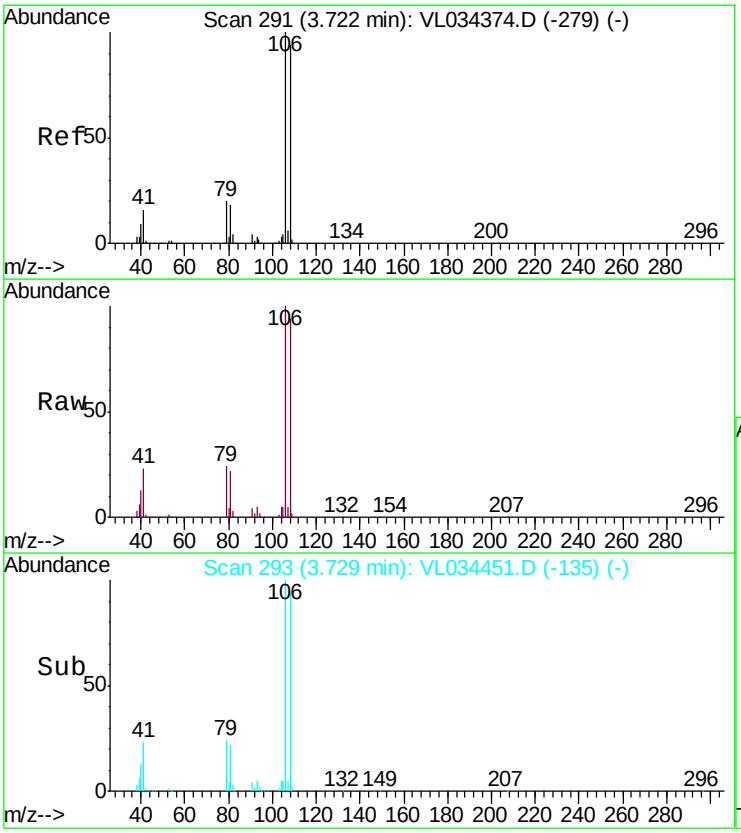
#13
Ethanol
Concen: 8.822 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 101387

Ion	Ratio	Lower	Upper
45	100		
46	36.7	13.8	55.4

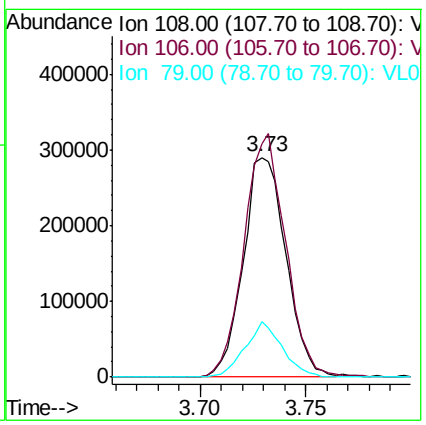


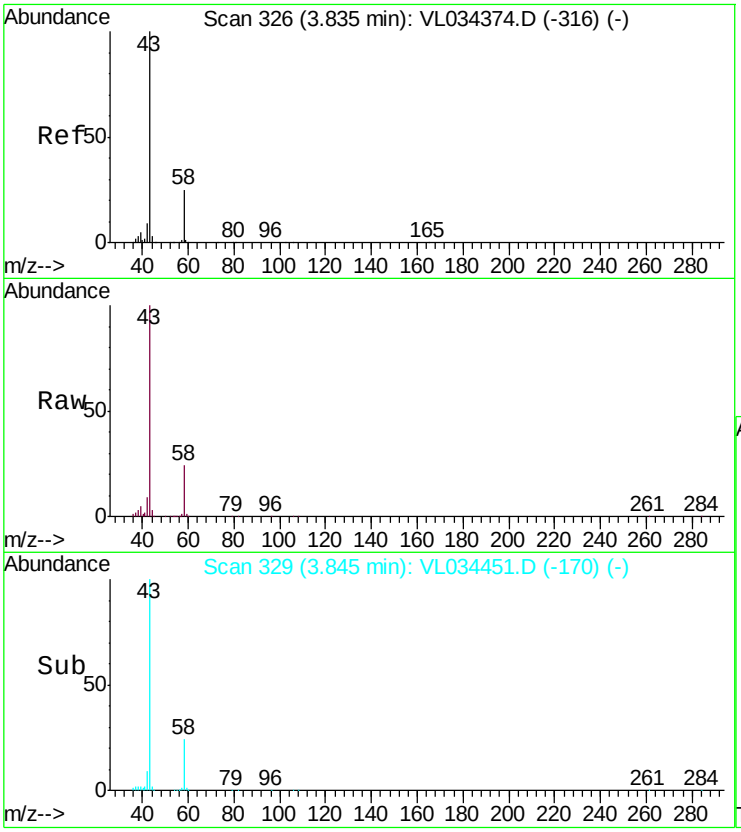


#14
Bromoethene
Concen: 11.304 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:108 Resp: 409301

Ion	Ratio	Lower	Upper
108	100		
106	108.1	85.7	128.5
79	22.1	17.2	25.8



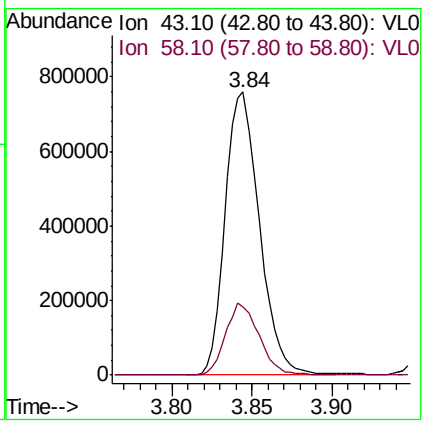


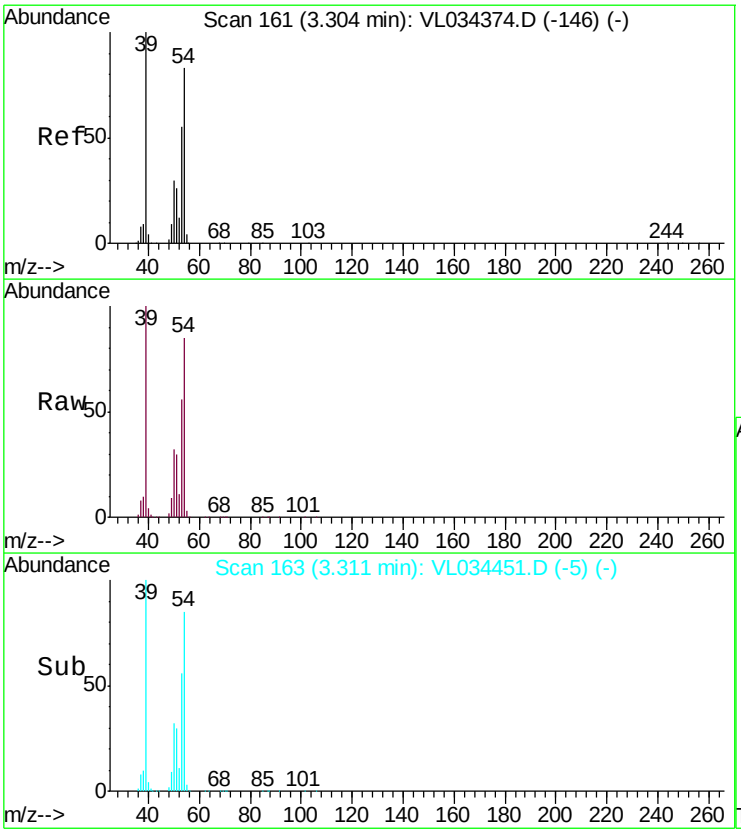
#15
Acetone
Concen: 10.365 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1105377

Ion	Ratio	Lower	Upper
43	100		
58	24.9	20.2	30.4

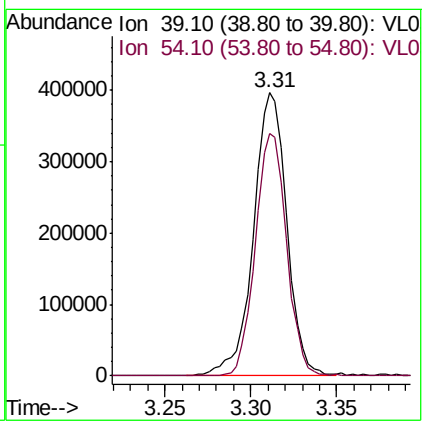


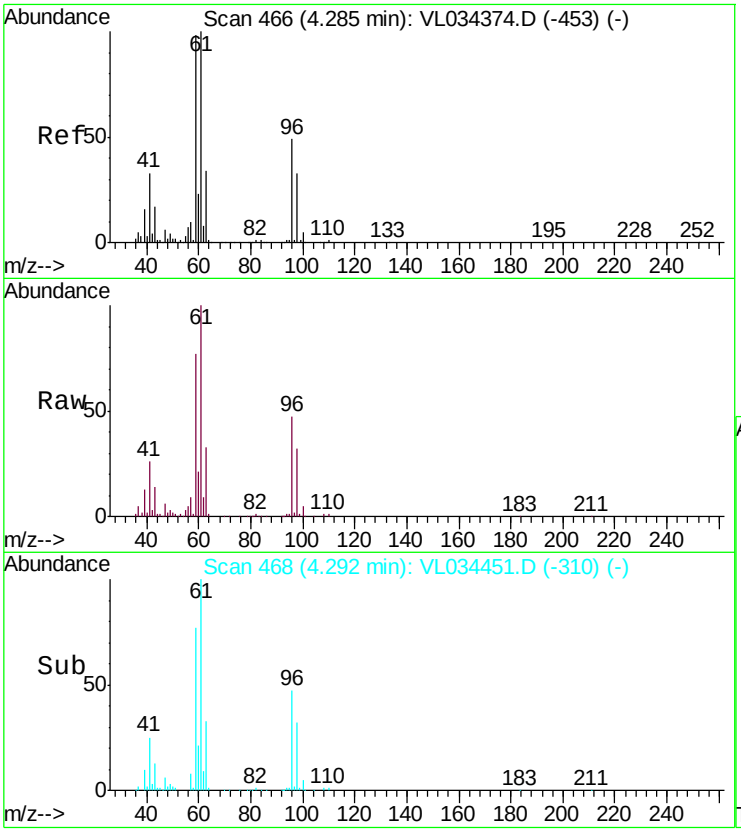


#16
1,3-Butadiene
Concen: 11.455 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 39 Resp: 532145

Ion	Ratio	Lower	Upper
39	100		
54	80.4	64.7	97.1



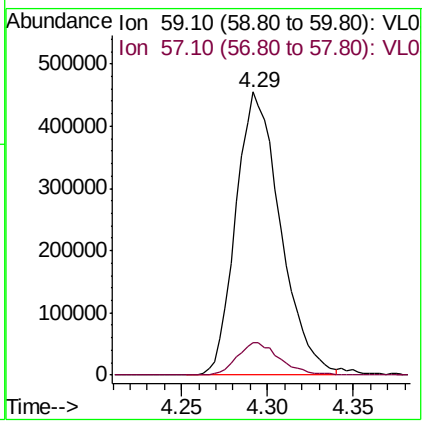


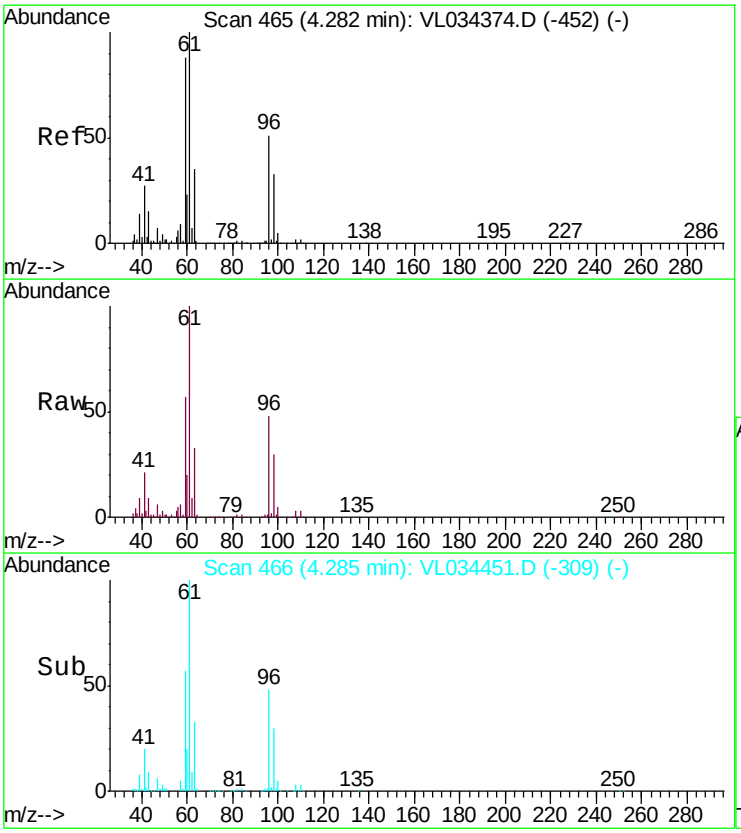
#17
tert-Butyl alcohol
Concen: 9.150 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 59 Resp: 820212

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

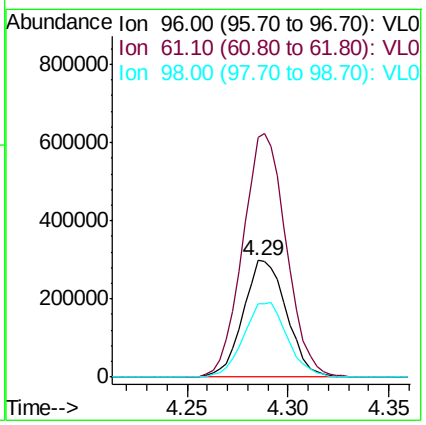


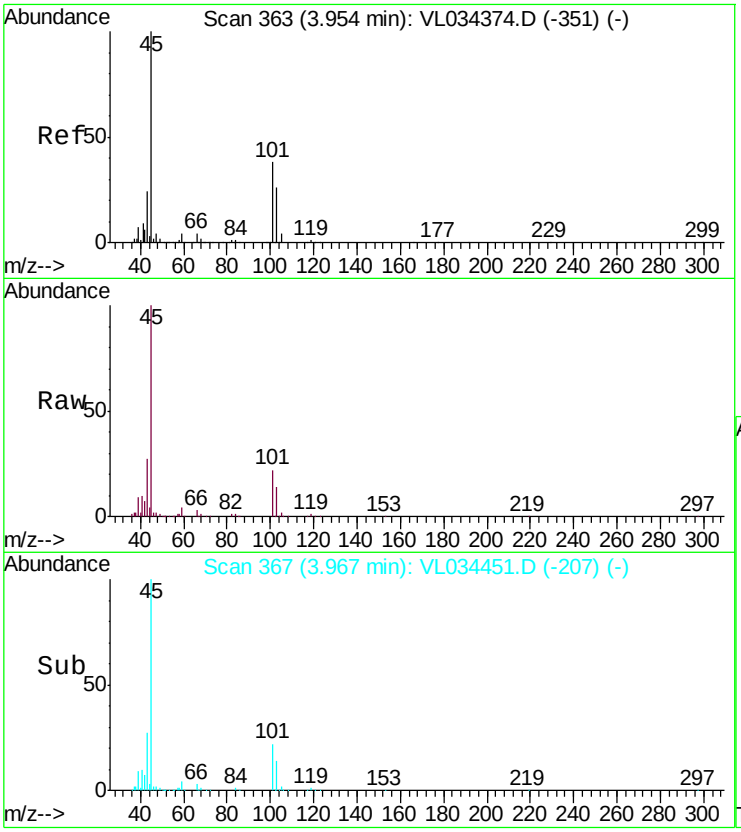


#18
1,1-Dichloroethene
Concen: 11.552 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 96 Resp: 449965

Ion	Ratio	Lower	Upper
96	100		
61	206.2	155.6	233.4
98	62.7	51.6	77.4



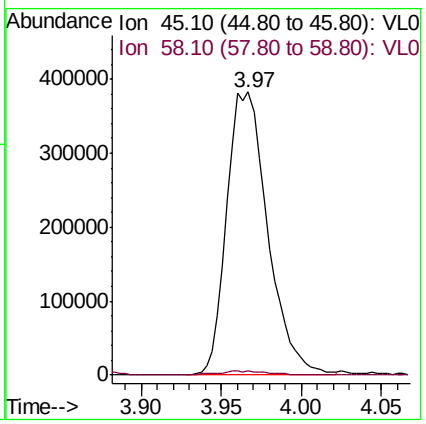


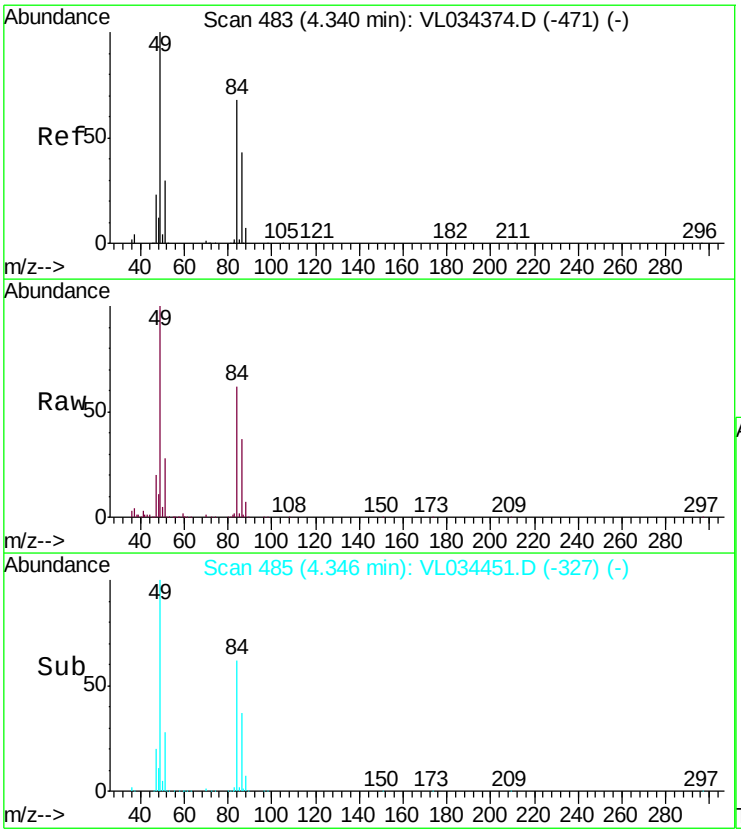
#19
Isopropyl Alcohol
Concen: 9.787 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 669031

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.3	1.9

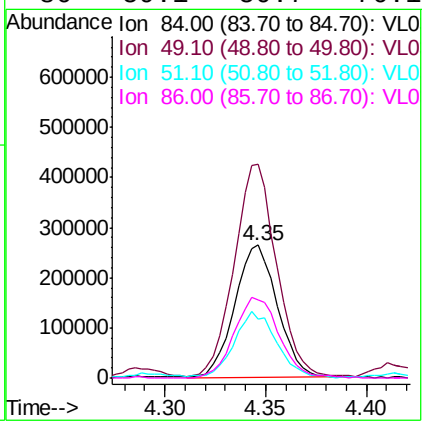


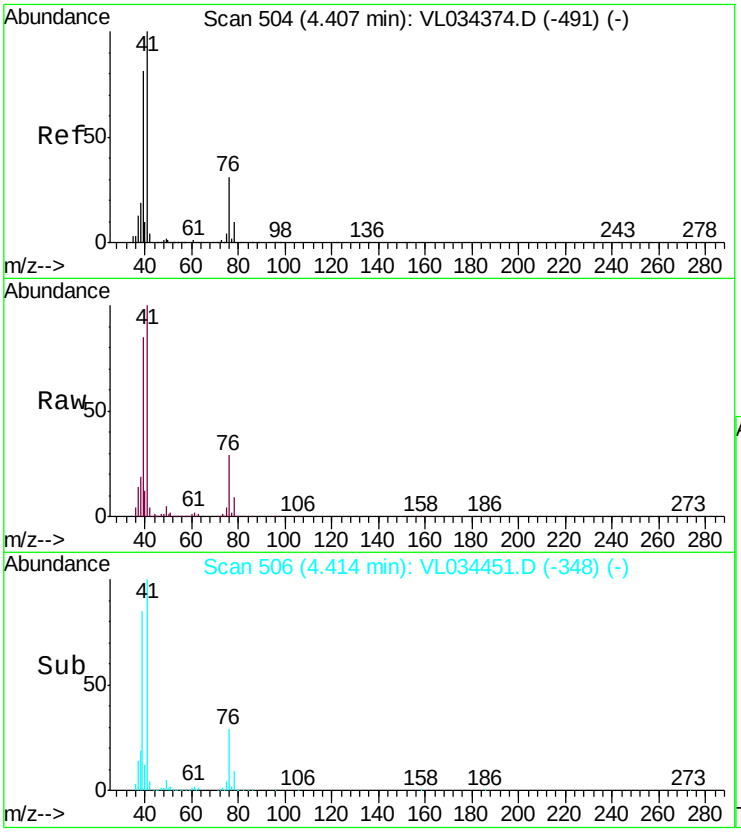


#20
Methylene Chloride
Concen: 10.341 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 84 Resp: 391049

Ion	Ratio	Lower	Upper
84	100		
49	160.7	116.8	175.2
51	44.1	35.6	53.4
86	59.1	50.7	76.1



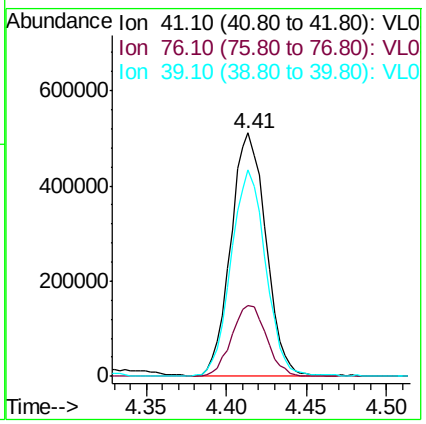


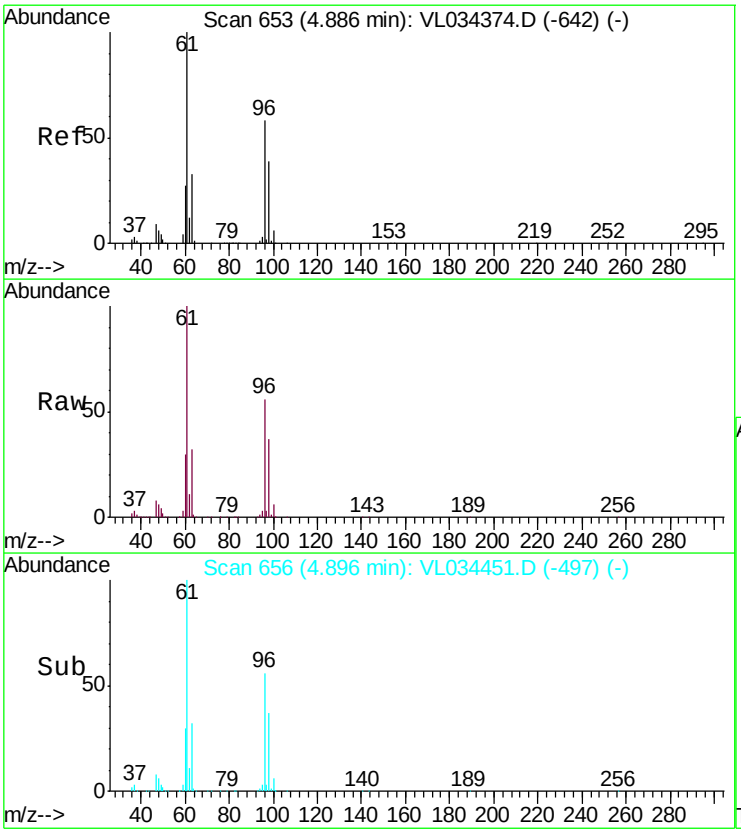
#21
Allyl Chloride
Concen: 11.923 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 761927

Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.2	36.2
39	83.4	66.9	100.3

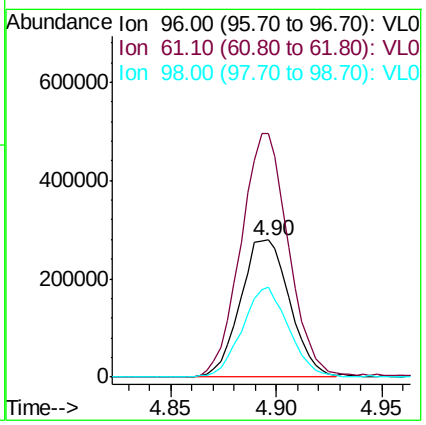


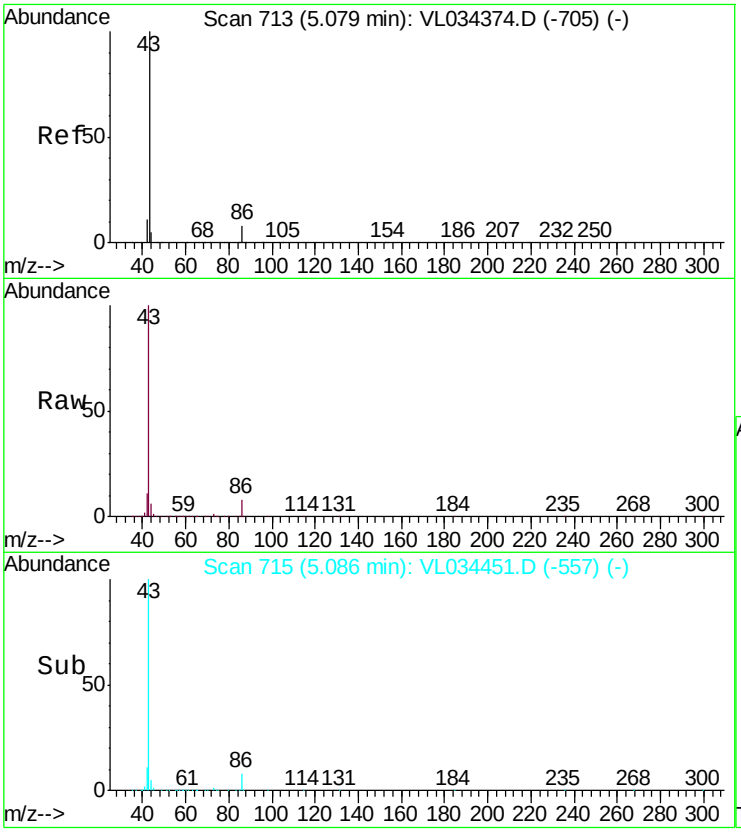


#22
trans-1,2-Dichloroethene
Concen: 11.616 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 96 Resp: 456120

Ion	Ratio	Lower	Upper
96	100		
61	177.9	137.9	206.9
98	65.9	53.5	80.3



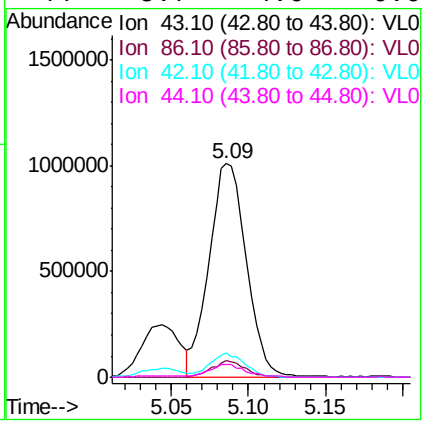


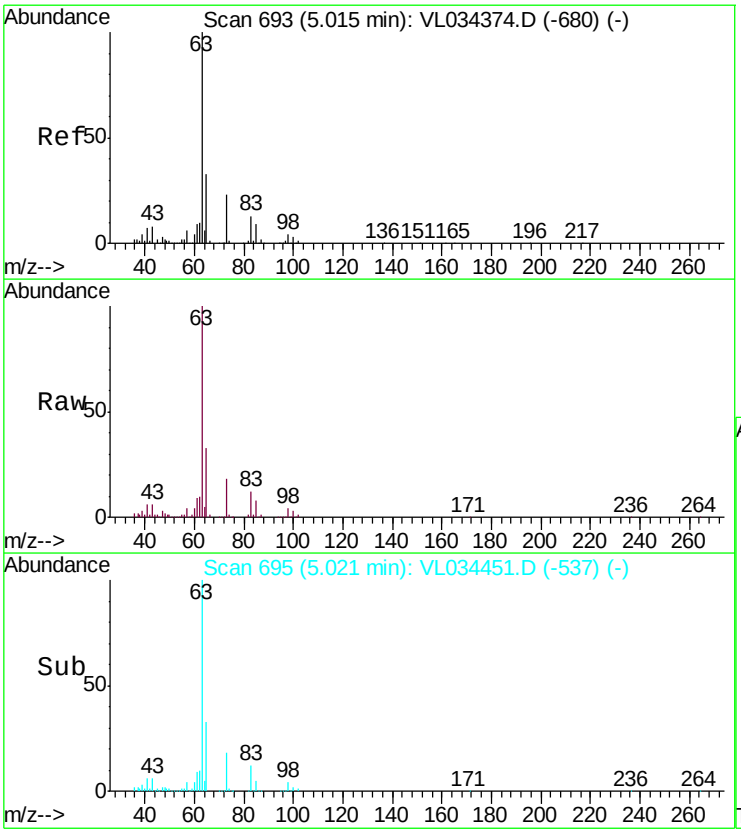
#23
Vinyl Acetate
Concen: 12.122 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1688818

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.8	8.6
42	11.2	8.9	13.3
44	5.7	4.0	6.0

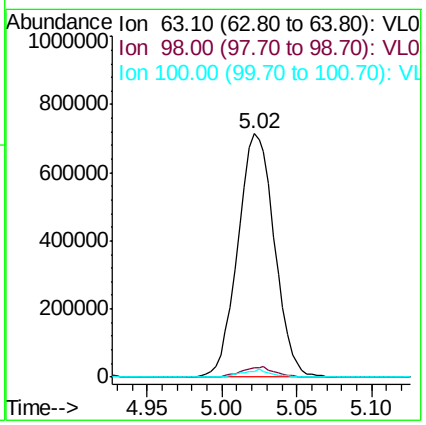


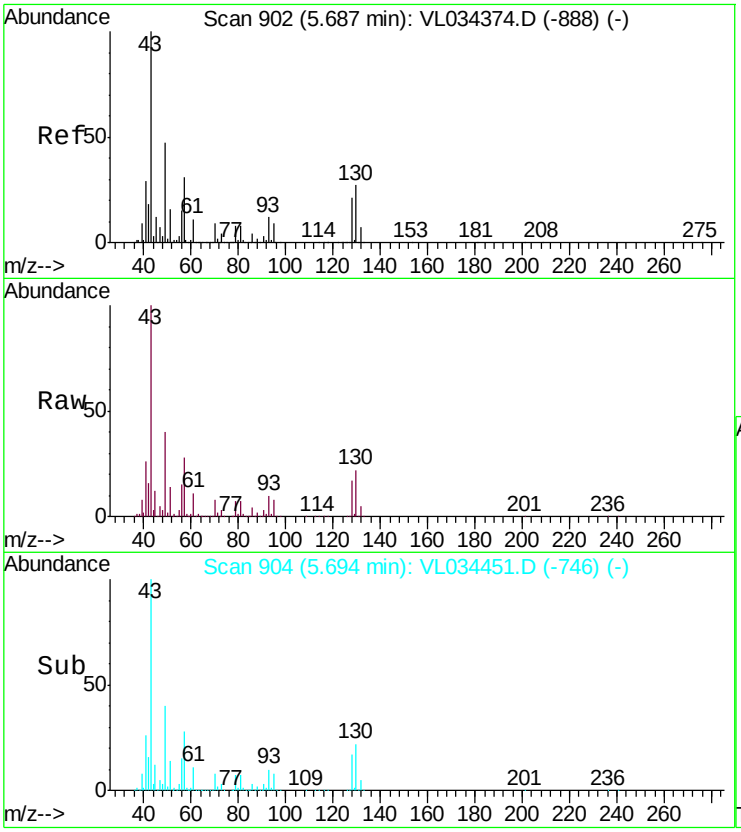


#24
1,1-Dichloroethane
Concen: 11.344 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 63 Resp: 1213976

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.9	5.7
100	2.5	1.4	4.0



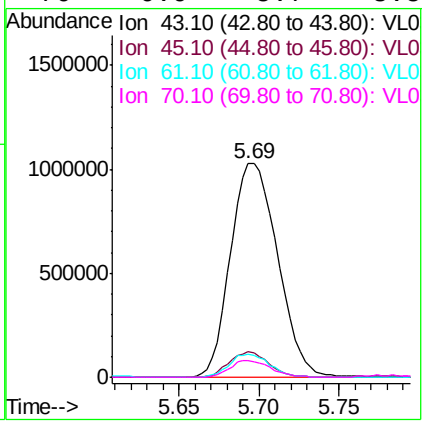


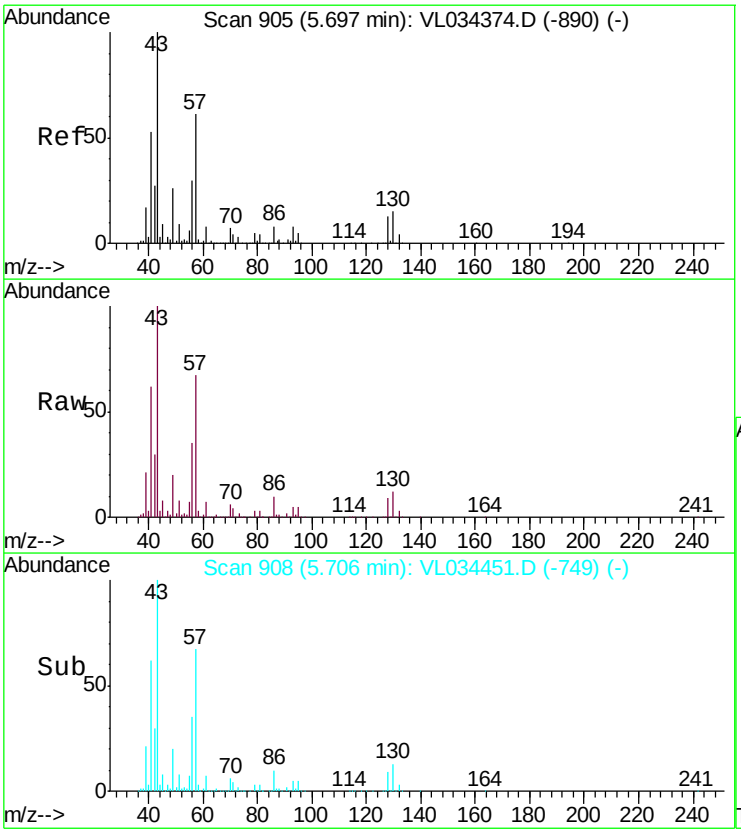
#25
Ethyl Acetate
Concen: 10.849 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2064588

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.3	7.5	11.3
70	6.9	5.7	8.5

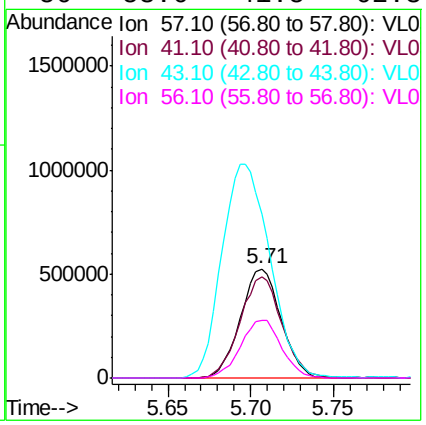


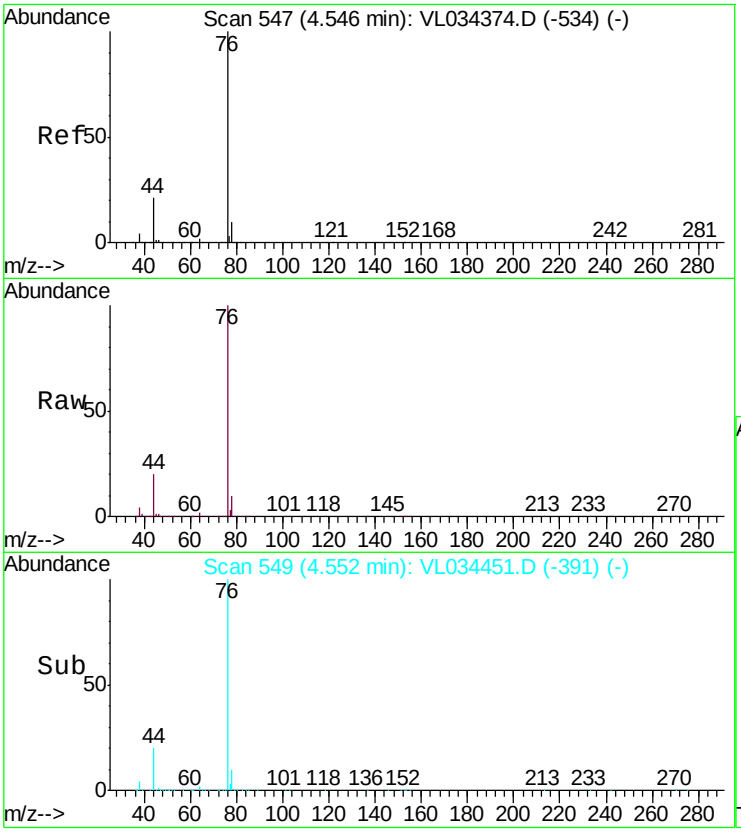


#26
Hexane
Concen: 10.902 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 57 Resp: 891501

Ion	Ratio	Lower	Upper
57	100		
41	95.8	75.0	112.4
43	233.1	186.6	279.8
56	53.6	41.5	62.3



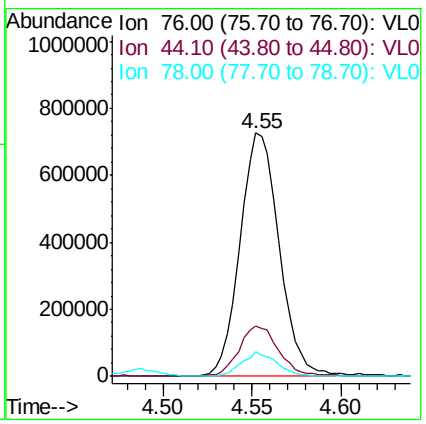


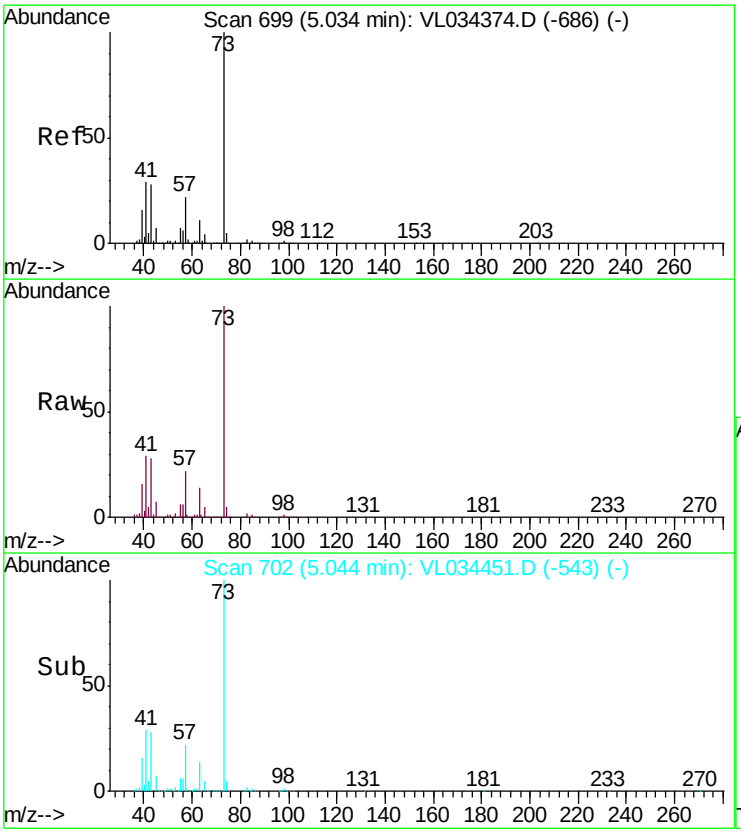
#27
Carbon Disulfide
Concen: 12.479 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1111465

Ion	Ratio	Lower	Upper
76	100		
44	20.6	17.0	25.4
78	9.2	7.6	11.4

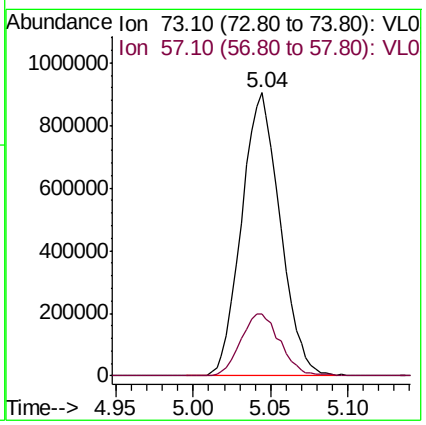


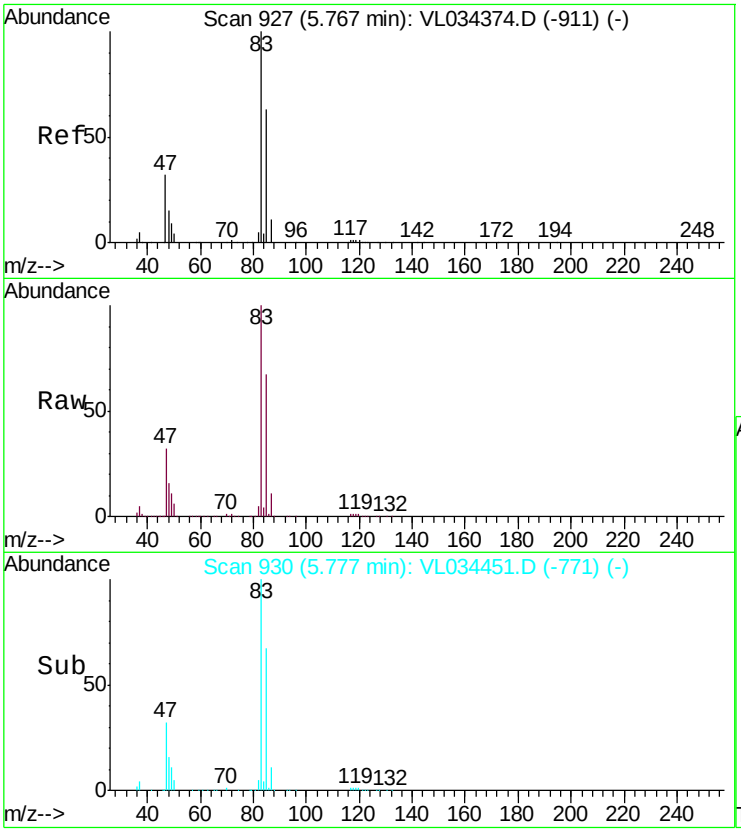


#28
Methyl tert-Butyl Ether
Concen: 11.587 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 73 Resp: 1571134

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.4	27.6



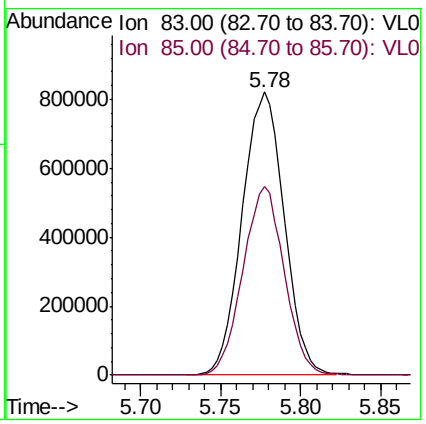


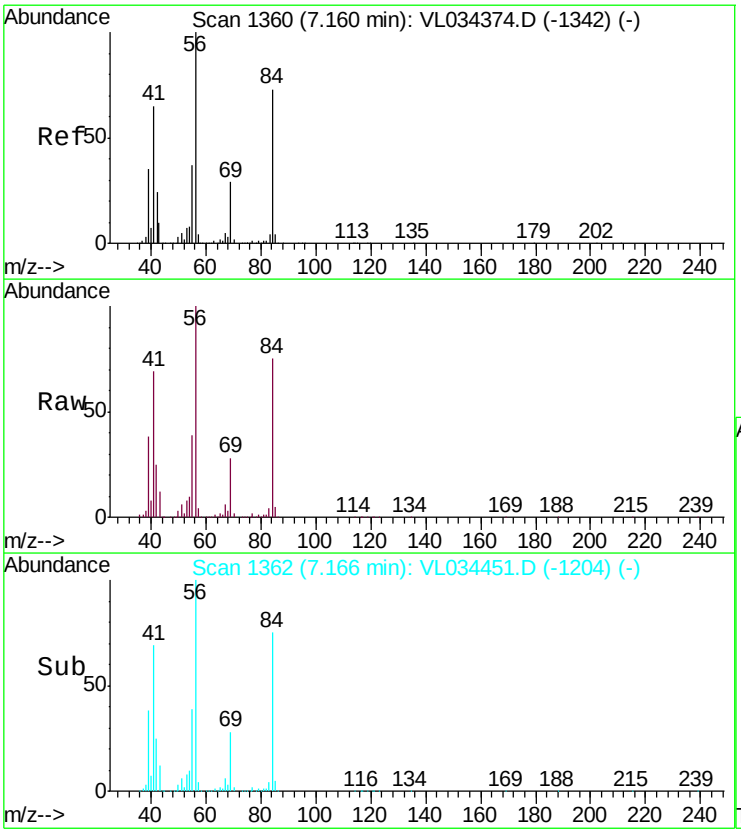
#29
Chloroform
Concen: 11.145 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1475856

Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.4	75.6

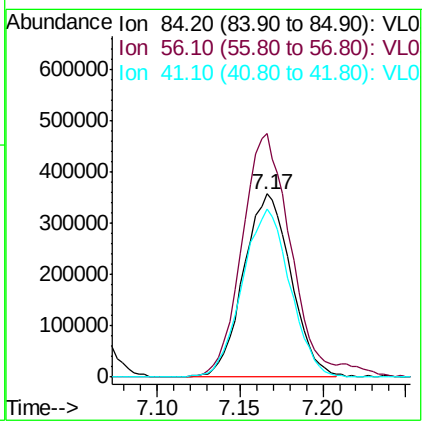


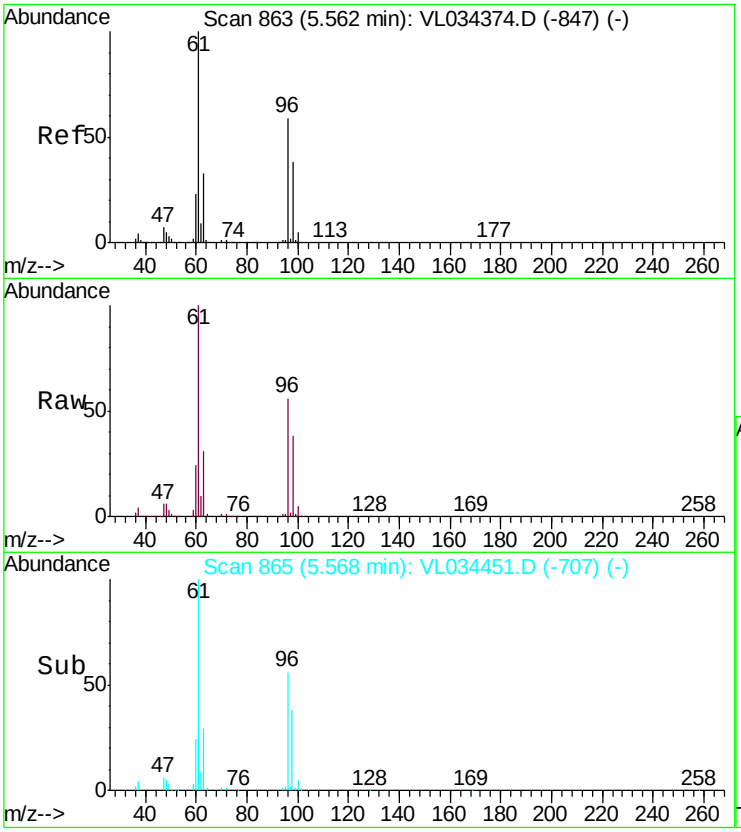


#30
Cyclohexane
Concen: 11.456 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 84 Resp: 708219

Ion	Ratio	Lower	Upper
84	100		
56	139.6	112.6	169.0
41	92.8	73.4	110.2



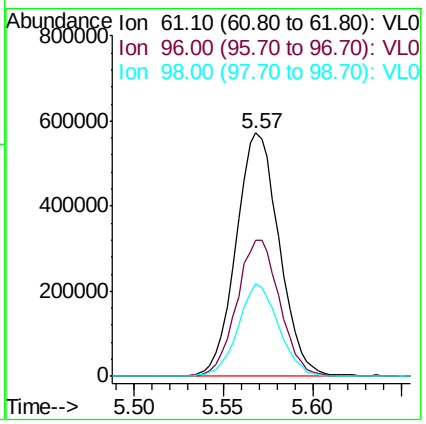


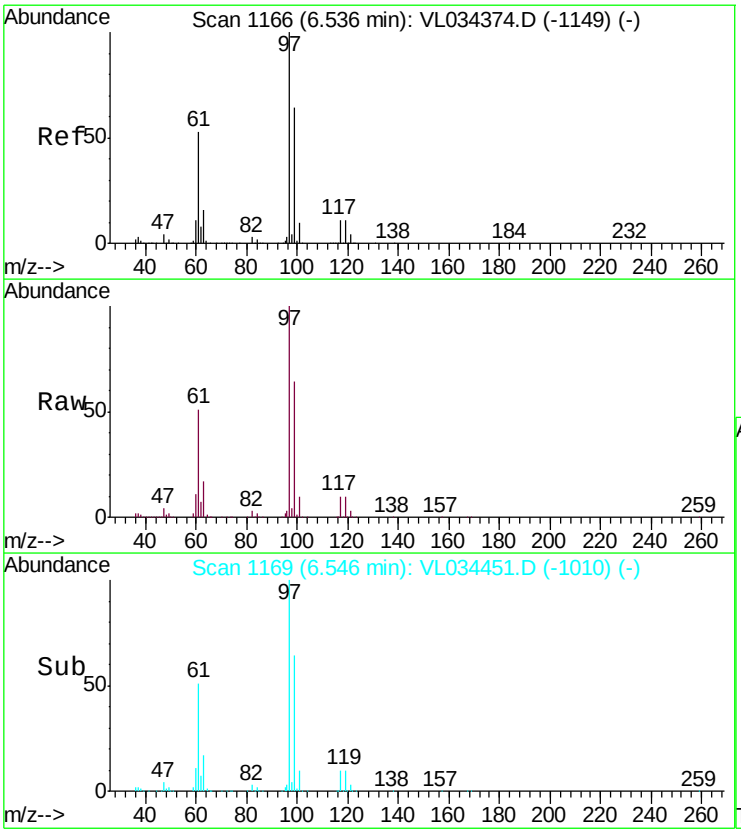
#31
cis-1,2-Dichloroethene
Concen: 11.454 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 967874

Ion	Ratio	Lower	Upper
61	100		
96	56.0	47.4	71.2
98	37.8	30.6	45.8

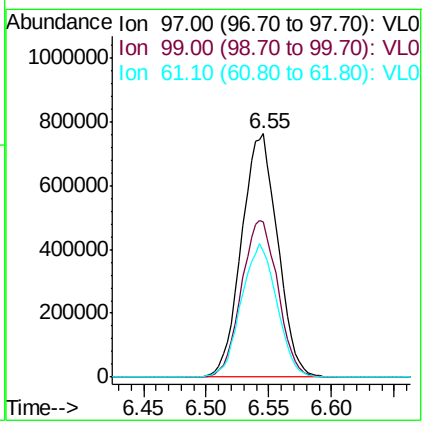


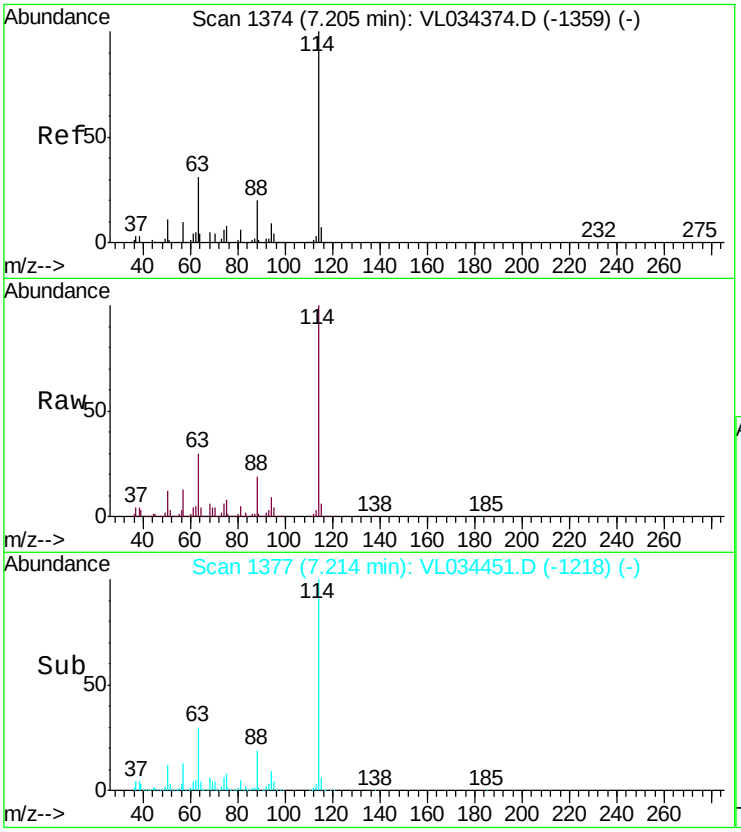


#32
1,1,1-Trichloroethane
Concen: 12.304 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 97 Resp: 1527664

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	54.0	43.7	65.5



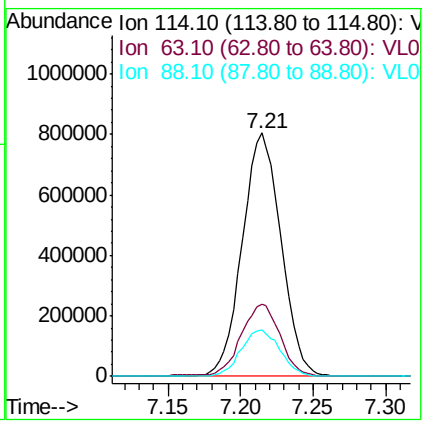


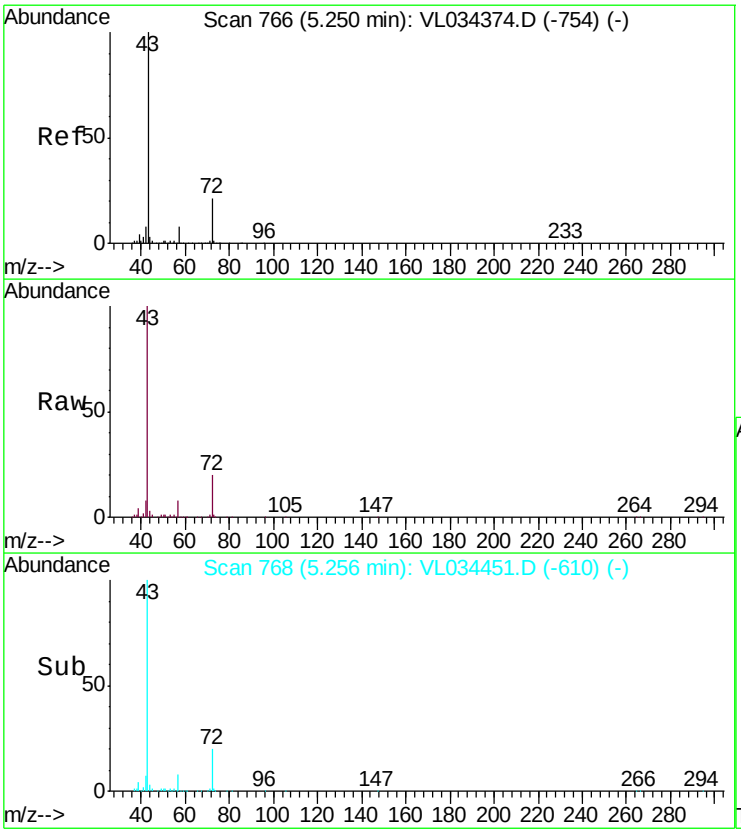
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1499168

Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.2	15.9	23.9

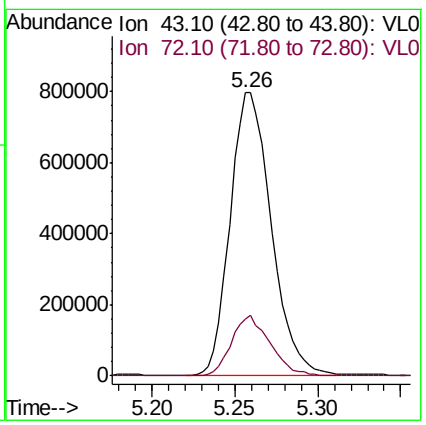


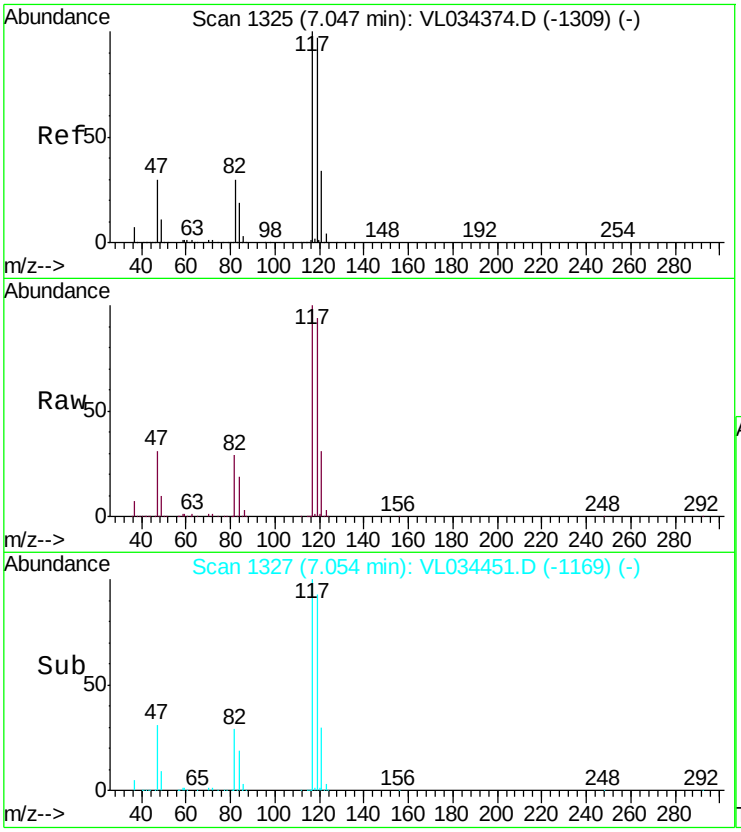


#34
2-Butanone
Concen: 11.132 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 43 Resp: 1373646

Ion	Ratio	Lower	Upper
43	100		
72	20.3	17.0	25.6



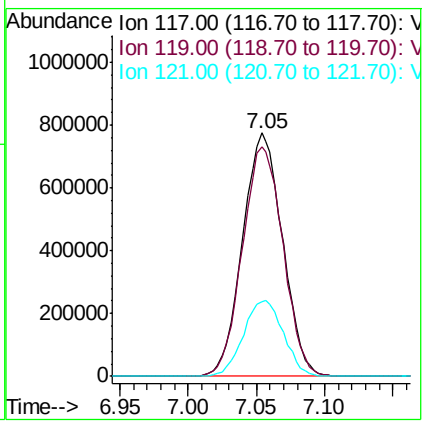


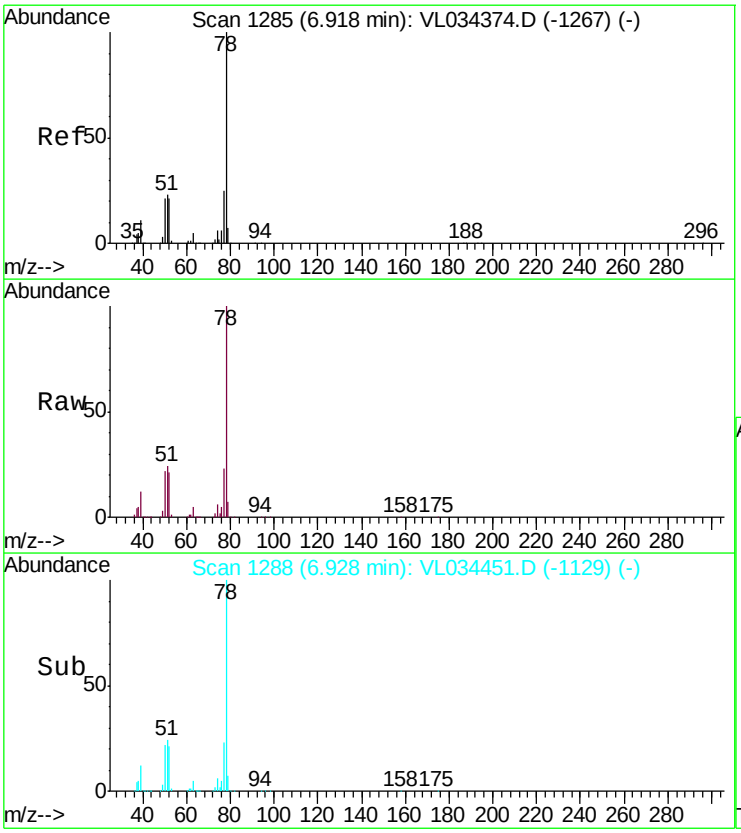
#35
Carbon Tetrachloride
Concen: 12.207 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1573458

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	30.6	27.4	41.2

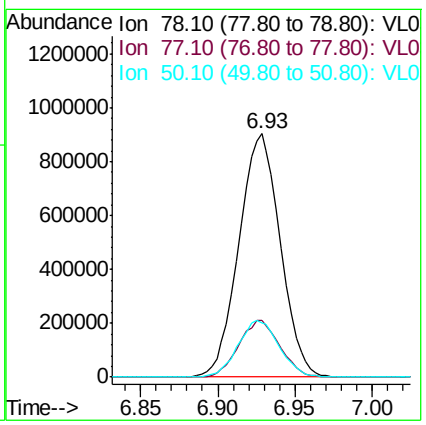


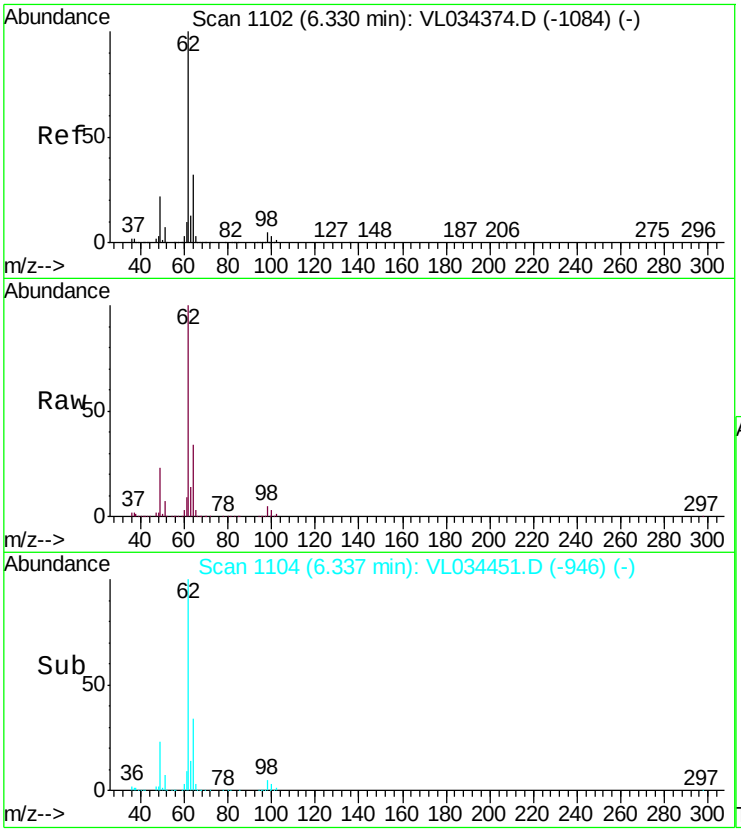


#36
Benzene
Concen: 11.230 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 78 Resp: 1682995

Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.2	30.4
50	22.5	17.1	25.7



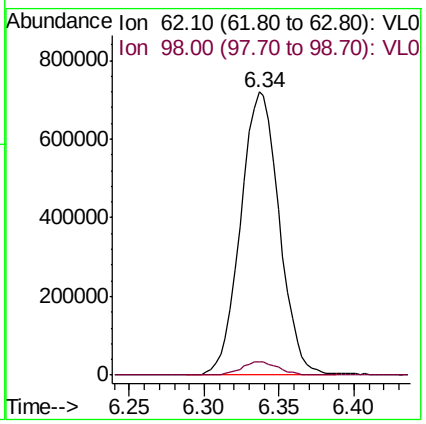


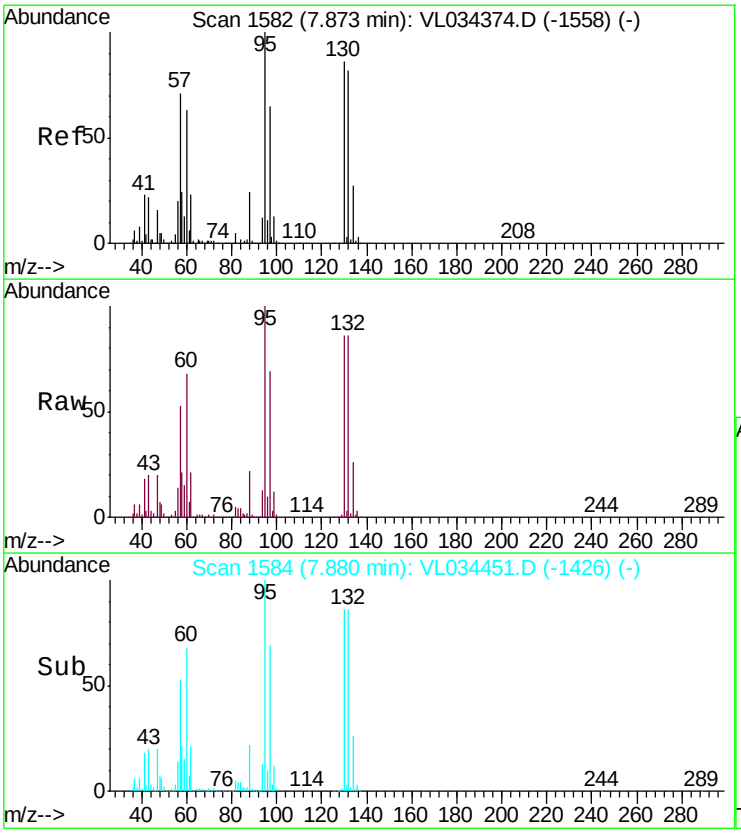
#37
1,2-Dichloroethane
Concen: 11.628 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1294574

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8

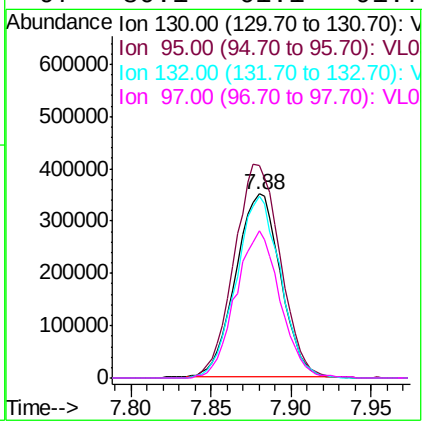


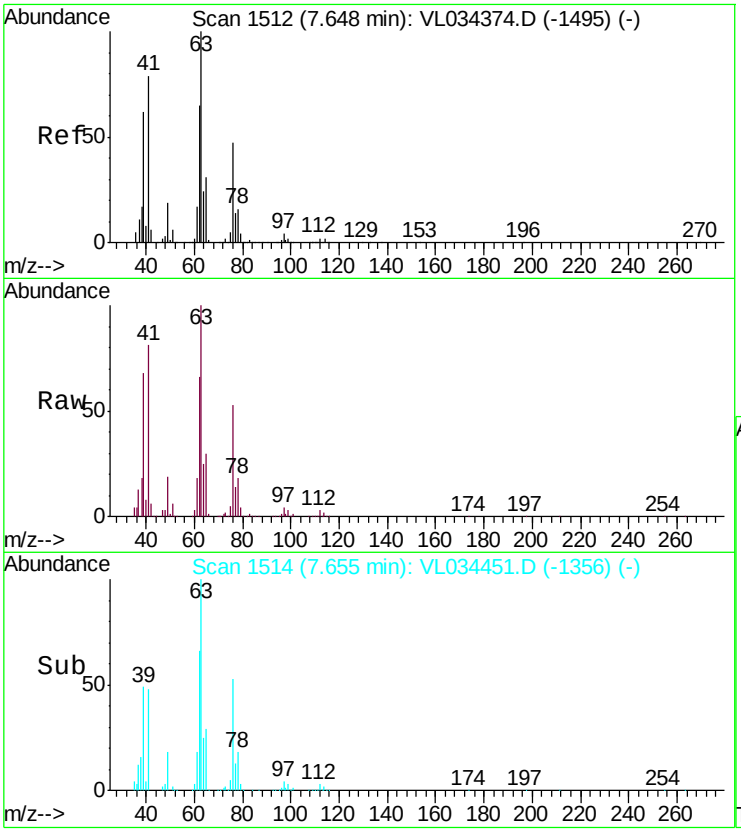


#38
Trichloroethene
Concen: 10.880 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:130 Resp: 669116

Ion	Ratio	Lower	Upper
130	100		
95	115.9	93.4	140.0
132	99.2	76.4	114.6
97	80.1	61.1	91.7



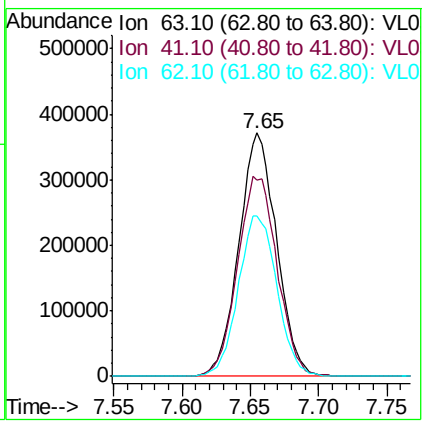


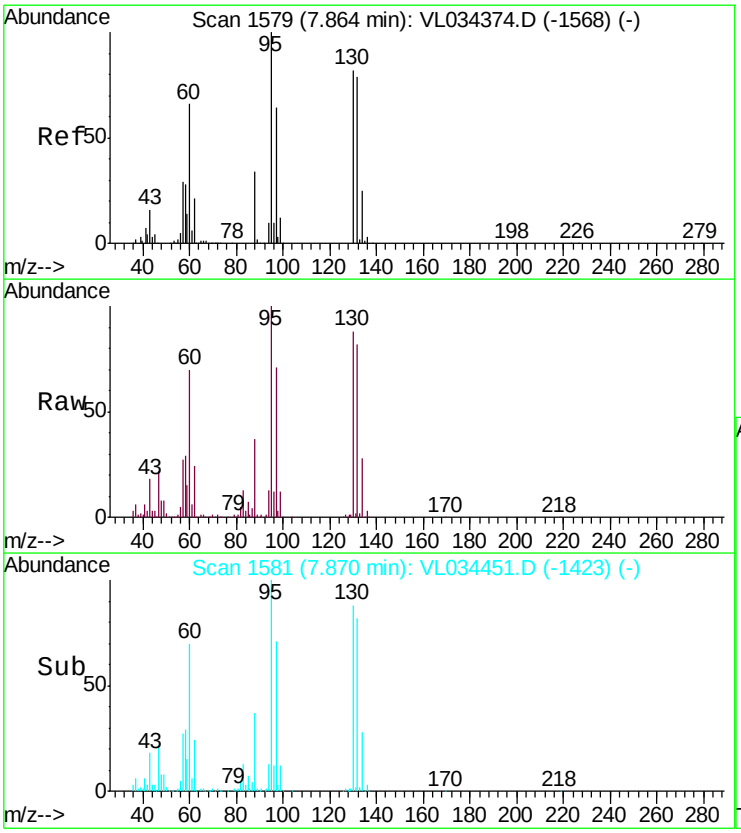
#39
1,2-Dichloropropane
Concen: 12.346 ppbv
RT: 7.65 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 712829

Ion	Ratio	Lower	Upper
63	100		
41	80.5	63.1	94.7
62	65.7	52.3	78.5

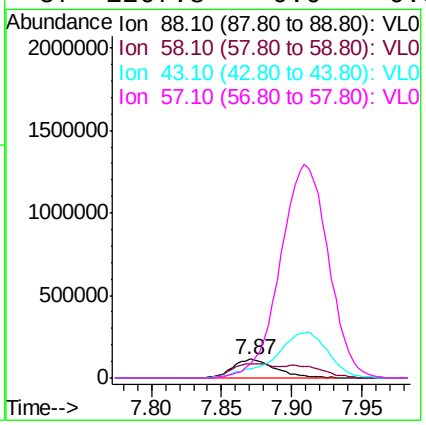


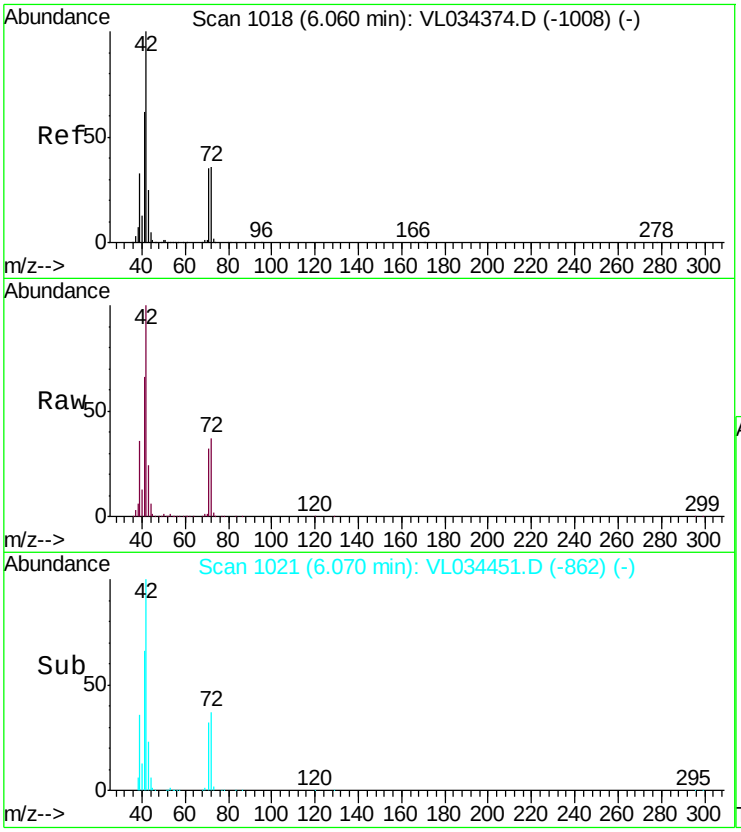


#40
1,4-Dioxane
Concen: 9.624 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 88 Resp: 242718

Ion	Ratio	Lower	Upper
88	100		
58	138.9	109.5	164.3
43	303.9	0.0	0.0#
57	1267.8	0.0	0.0#



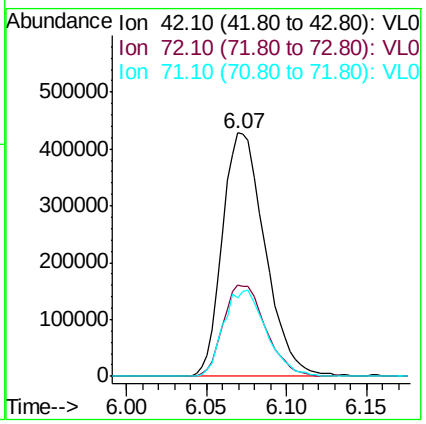


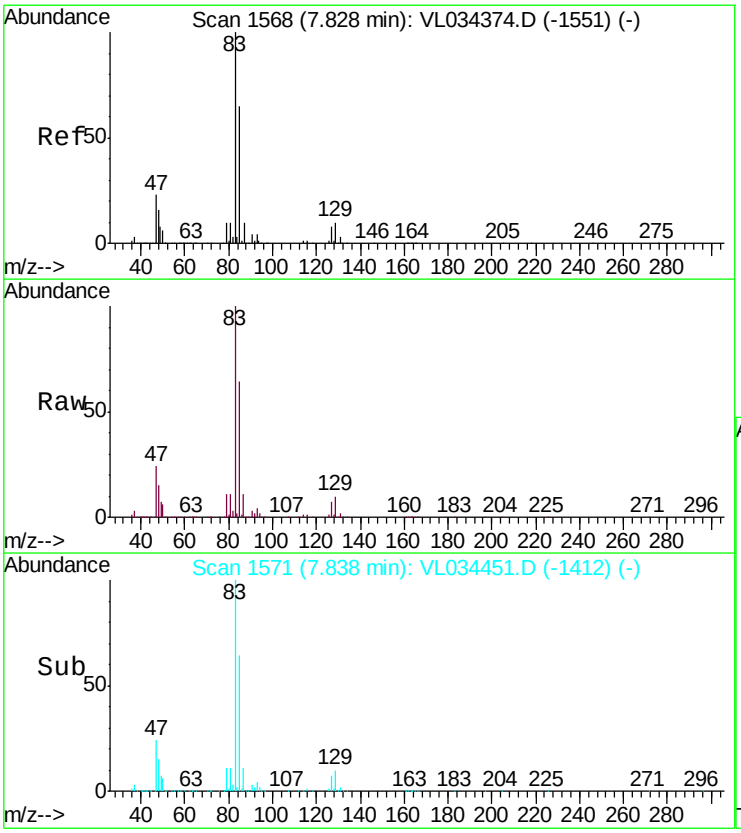
#41
Tetrahydrofuran
Concen: 11.184 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 774117

Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.2	45.4
71	35.9	29.4	44.2

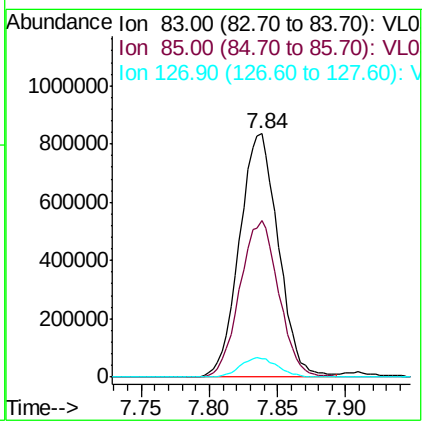


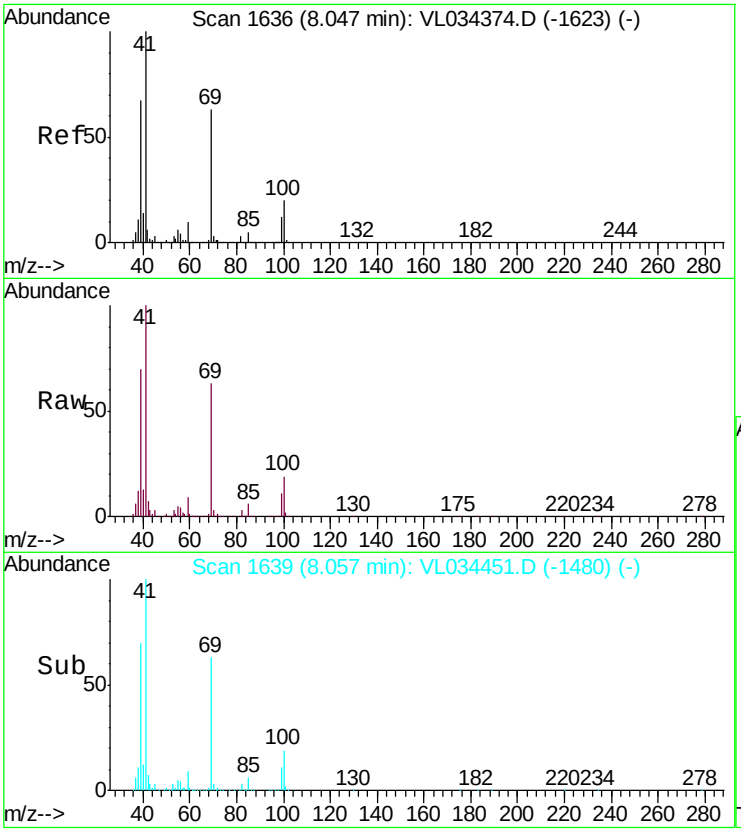


#42
Bromodichloromethane
Concen: 11.881 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 83 Resp: 1654266

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5
127	7.4	6.1	9.1



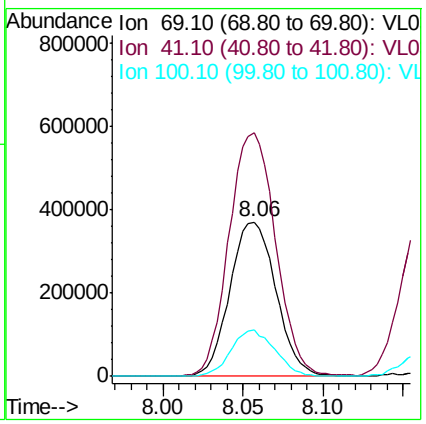


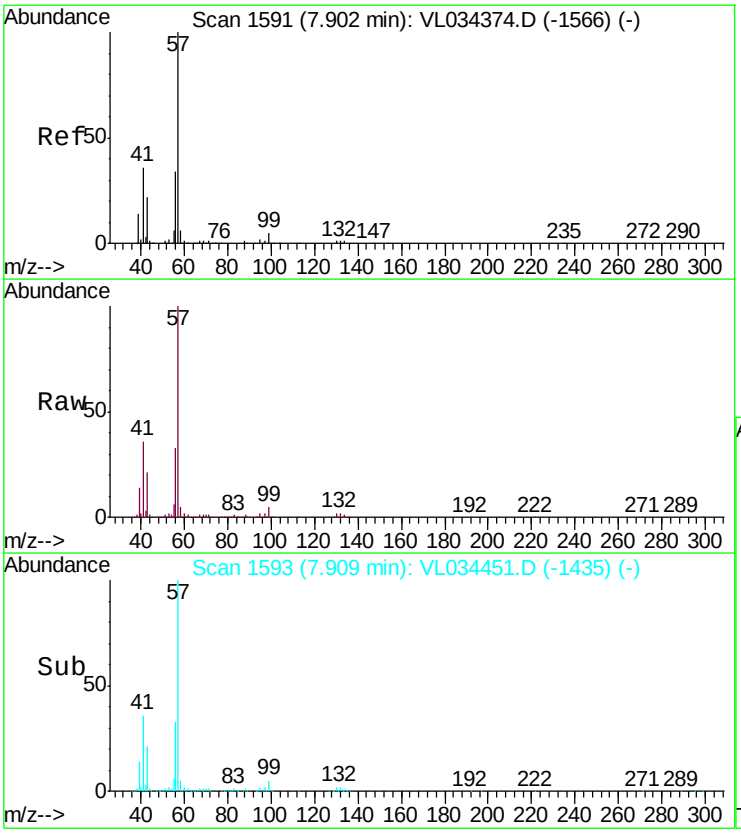
#43
Methyl Methacrylate
Concen: 11.618 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 722173

Ion	Ratio	Lower	Upper
69	100		
41	161.2	127.4	191.2
100	28.9	24.2	36.4

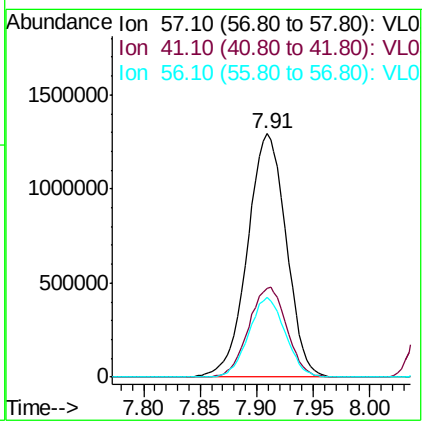


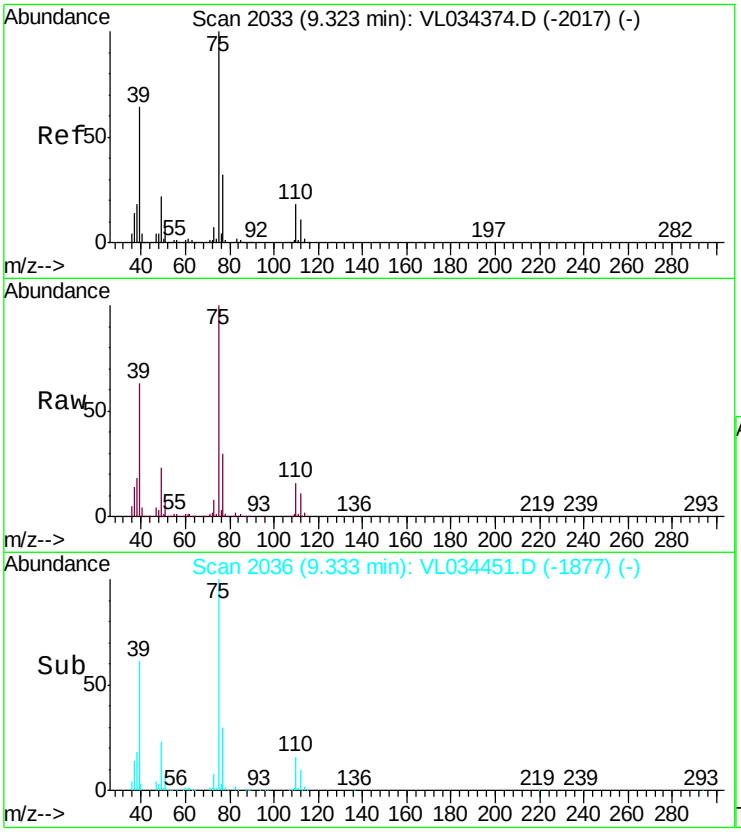


#44
2,2,4-Trimethylpentane
Concen: 11.214 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 57 Resp: 3071193

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.6	42.8
56	31.0	25.3	37.9



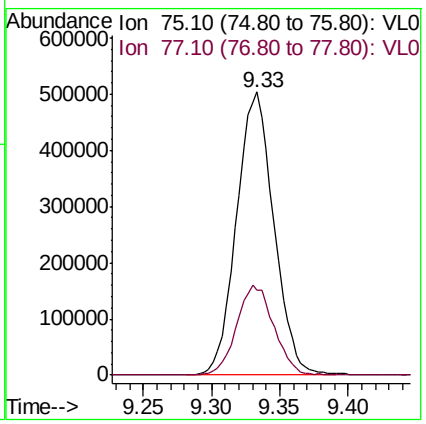


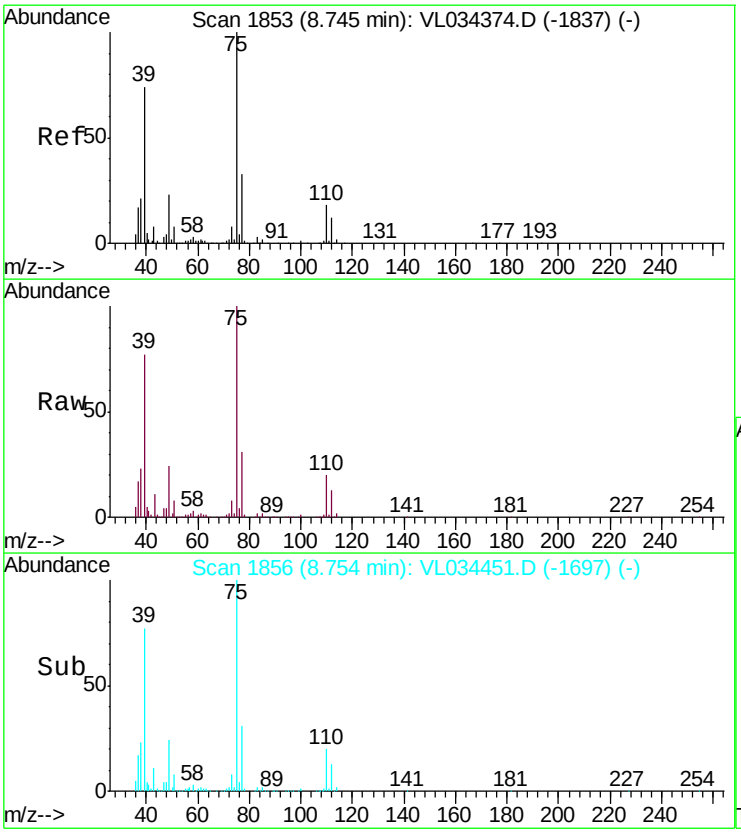
#45
t-1,3-Dichloropropene
Concen: 12.018 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 957979

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

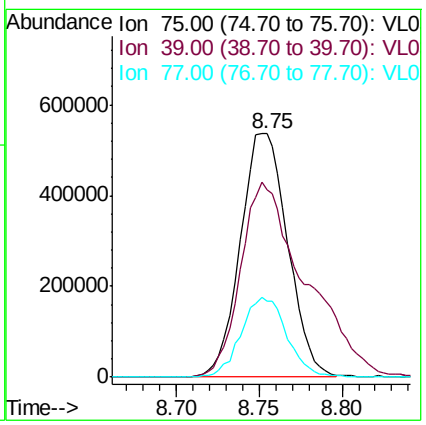


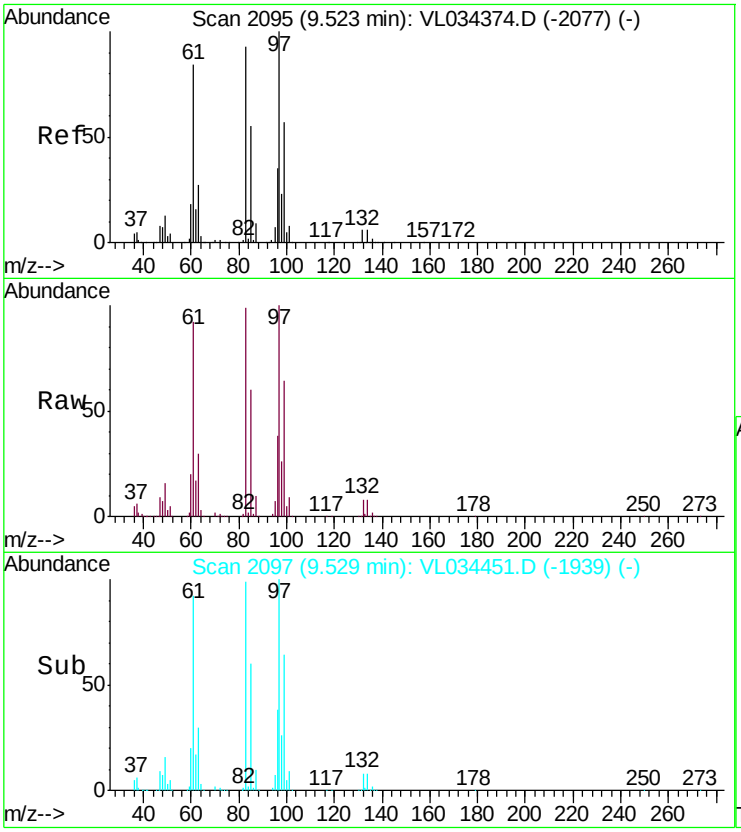


#46
cis-1,3-Dichloropropene
Concen: 11.859 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 75 Resp: 1061835

Ion	Ratio	Lower	Upper
75	100		
39	77.0	59.0	88.6
77	31.1	26.4	39.6



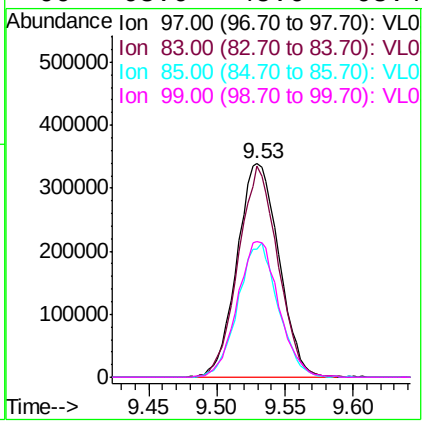


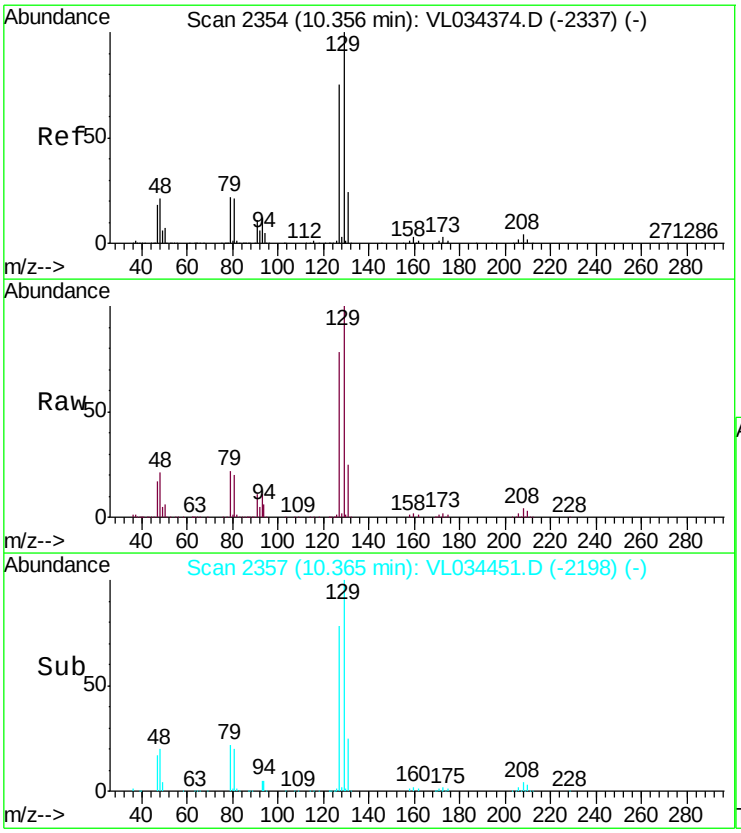
#47
1,1,2-Trichloroethane
Concen: 11.259 ppbv
RT: 9.53 min Scan# 2097
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 723112

Ion	Ratio	Lower	Upper
97	100		
83	98.5	74.6	112.0
85	60.2	43.8	65.8
99	63.6	45.6	68.4

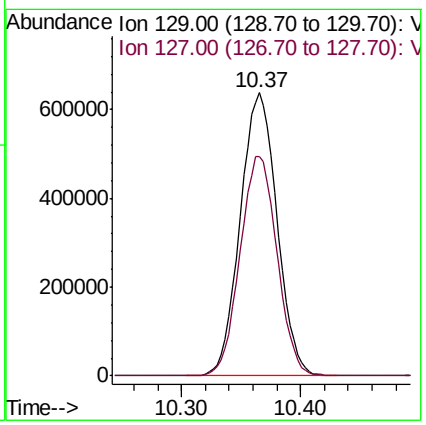


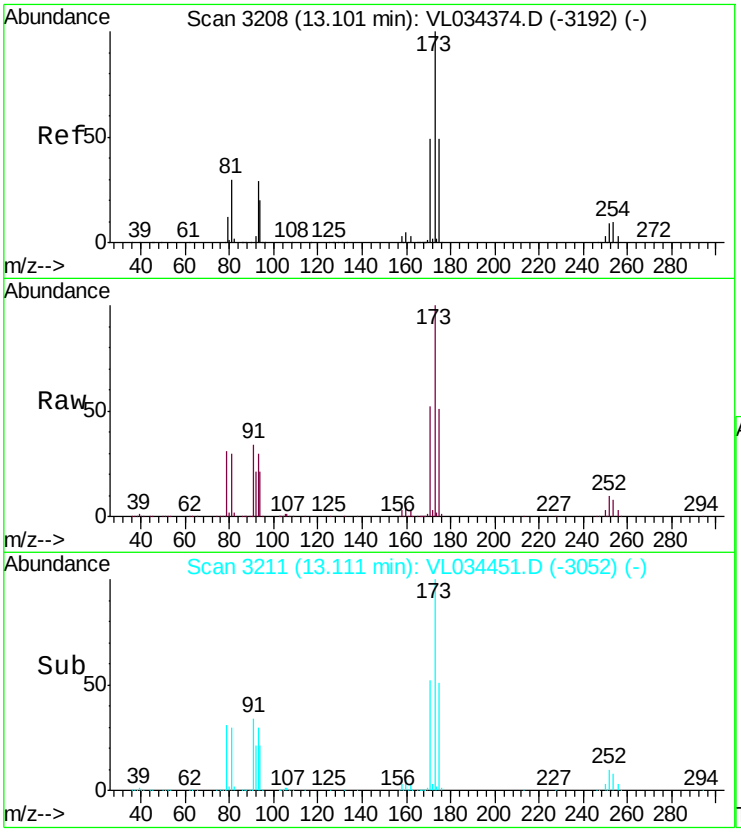


#48
Dibromochloromethane
Concen: 12.370 ppbv
RT: 10.37 min Scan# 2357
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:129 Resp: 1364037

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.5



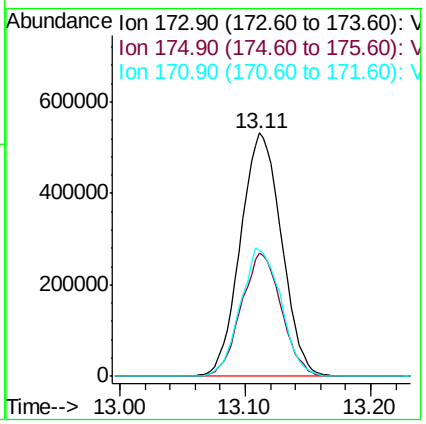


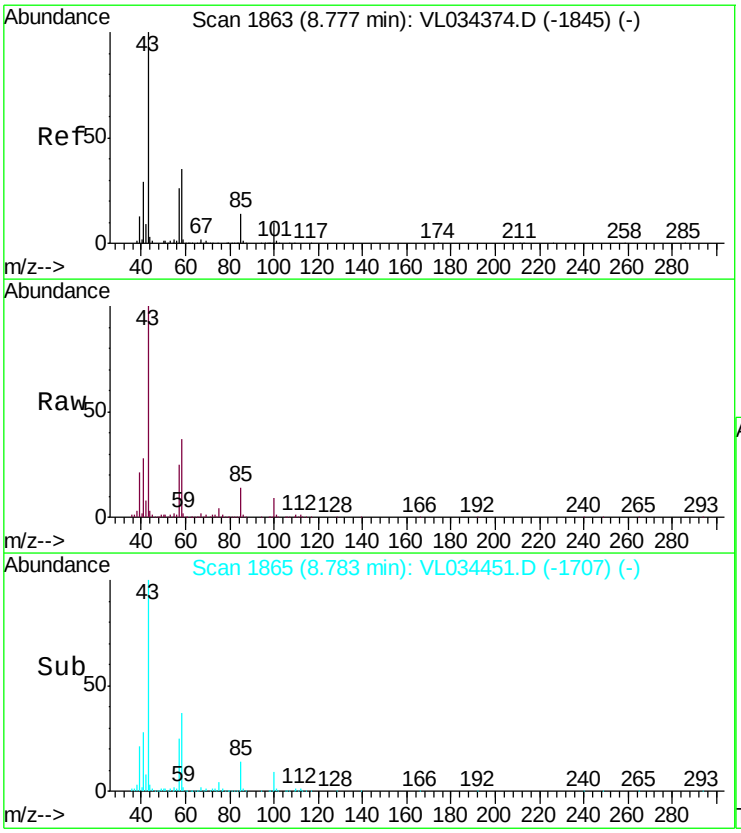
#49
Bromoform
Concen: 12.311 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:173 Resp: 1211909

Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.3	58.9
171	52.1	42.4	63.6

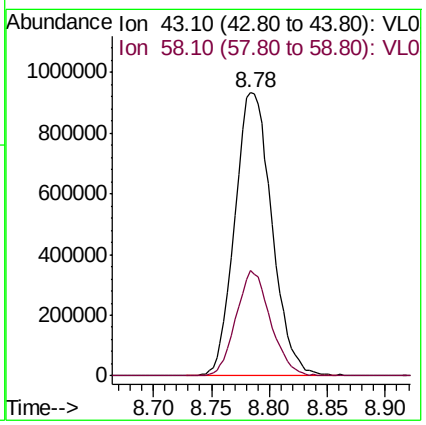


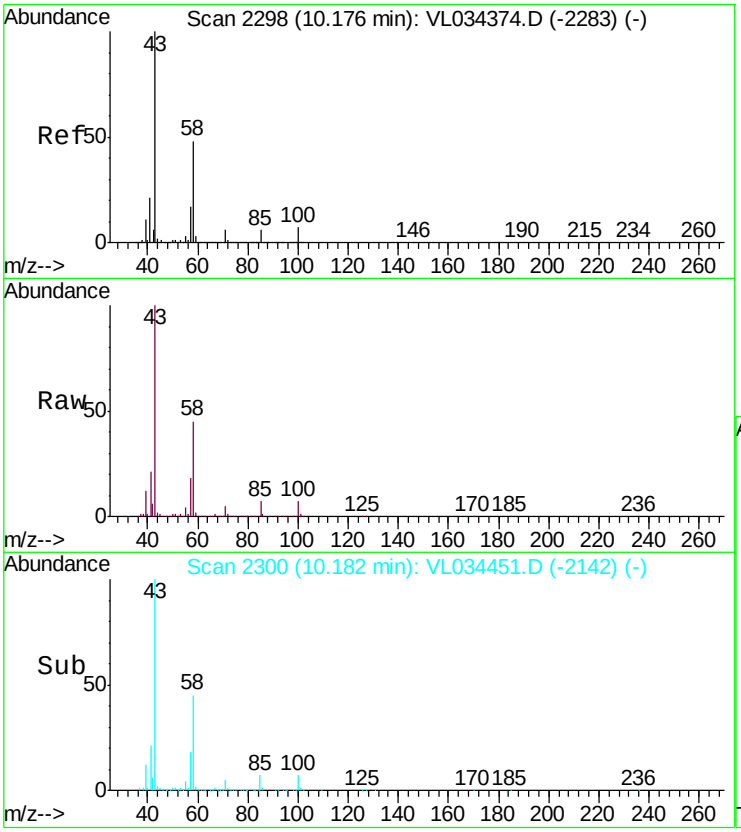


#50
4-Methyl-2-Pentanone
Concen: 11.611 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 43 Resp: 2073047

Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.9	41.9



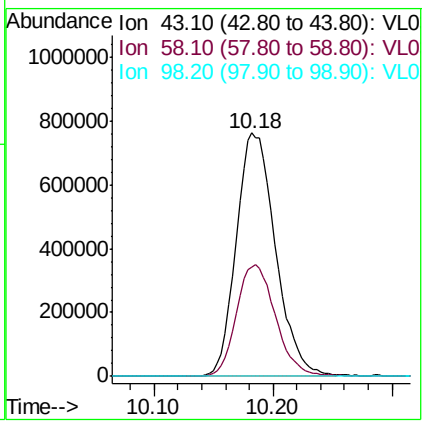


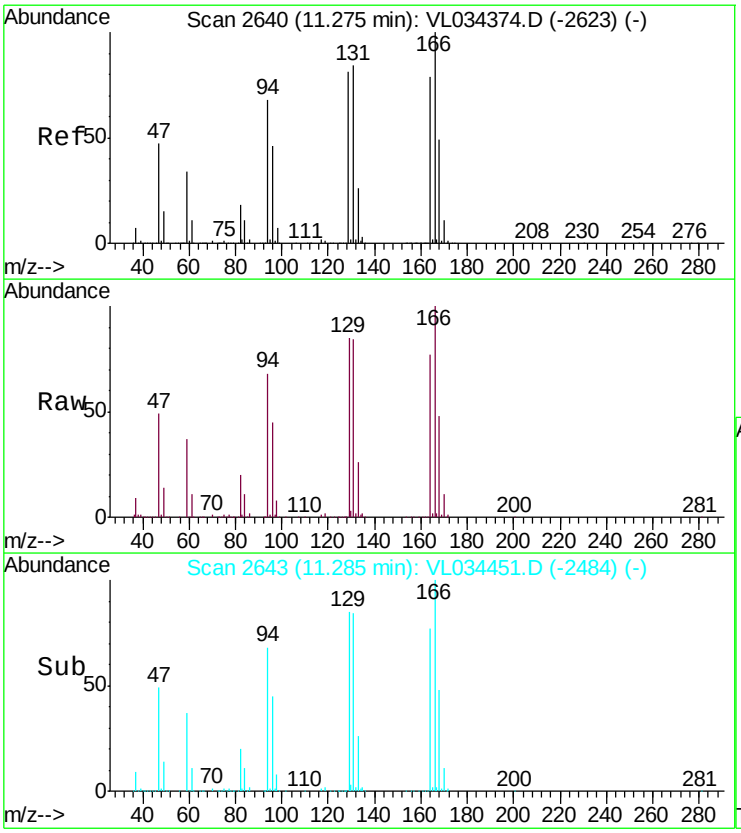
#51
2-Hexanone
Concen: 11.605 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1735487

Ion	Ratio	Lower	Upper
43	100		
58	46.1	38.2	57.4
98	0.3	0.2	0.2#

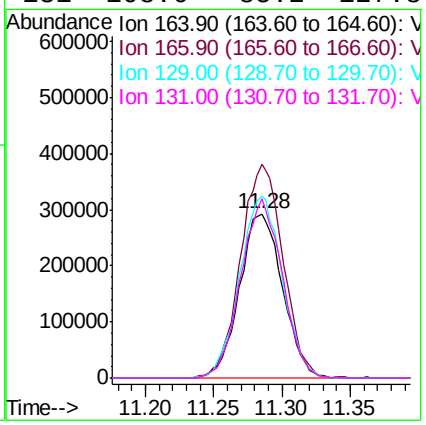


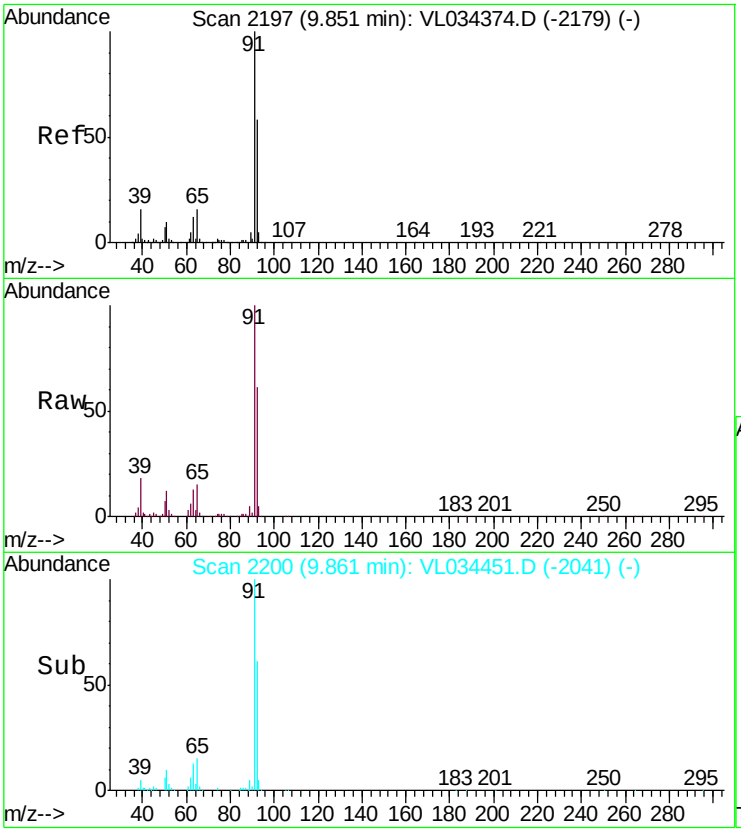


#52
Tetrachloroethene
Concen: 9.830 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:164 Resp: 637423

Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.7	152.5
129	110.3	82.6	123.8
131	108.6	85.2	127.8



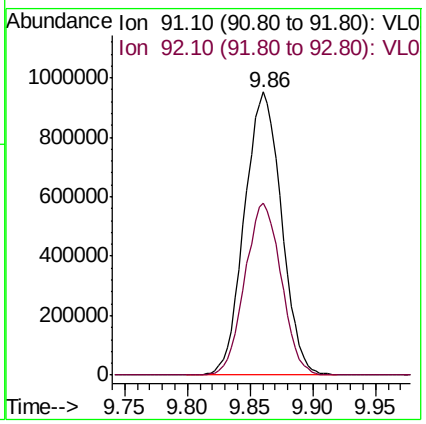


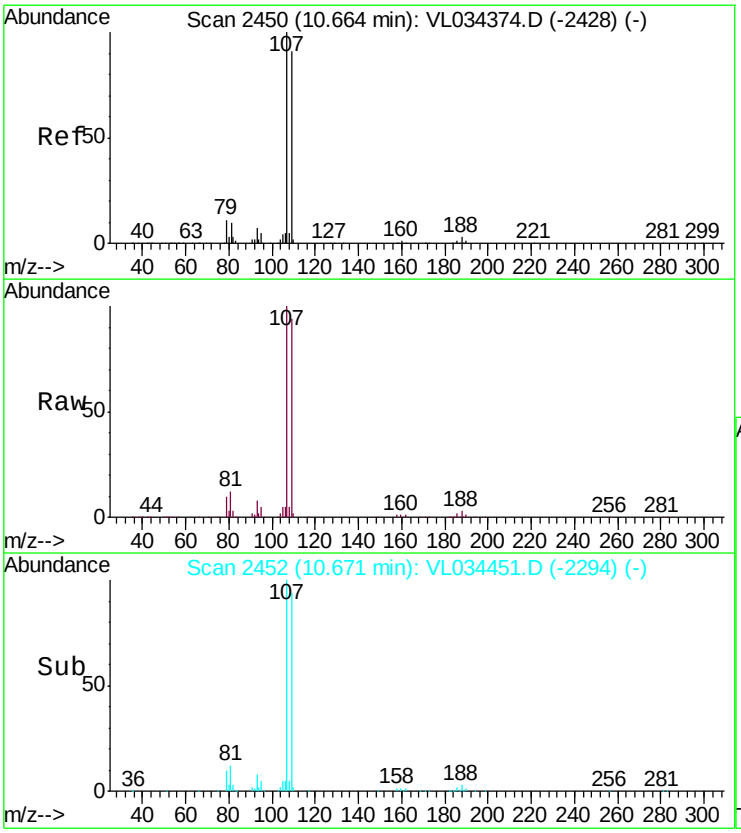
#53
Toluene
Concen: 11.448 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 1948723

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.9	71.9

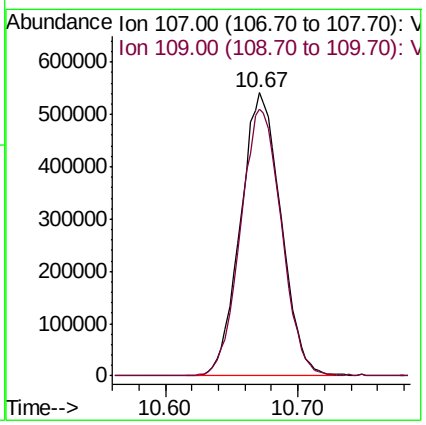


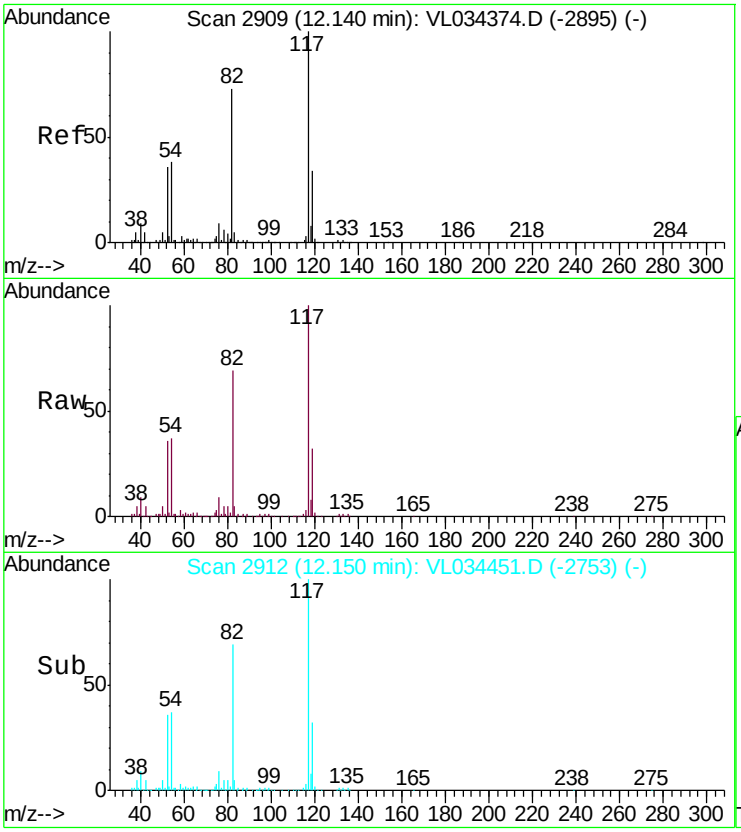


#54
1,2-Dibromoethane
Concen: 11.689 ppbv
RT: 10.67 min Scan# 2452
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:107 Resp: 1150915

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.0	109.4



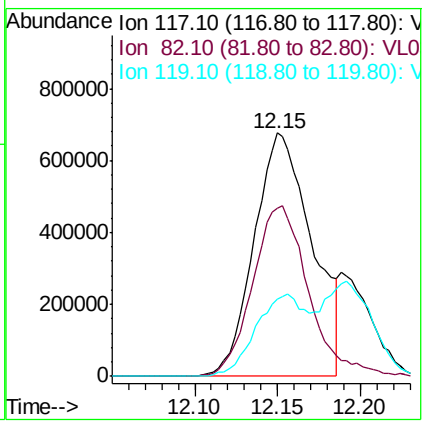


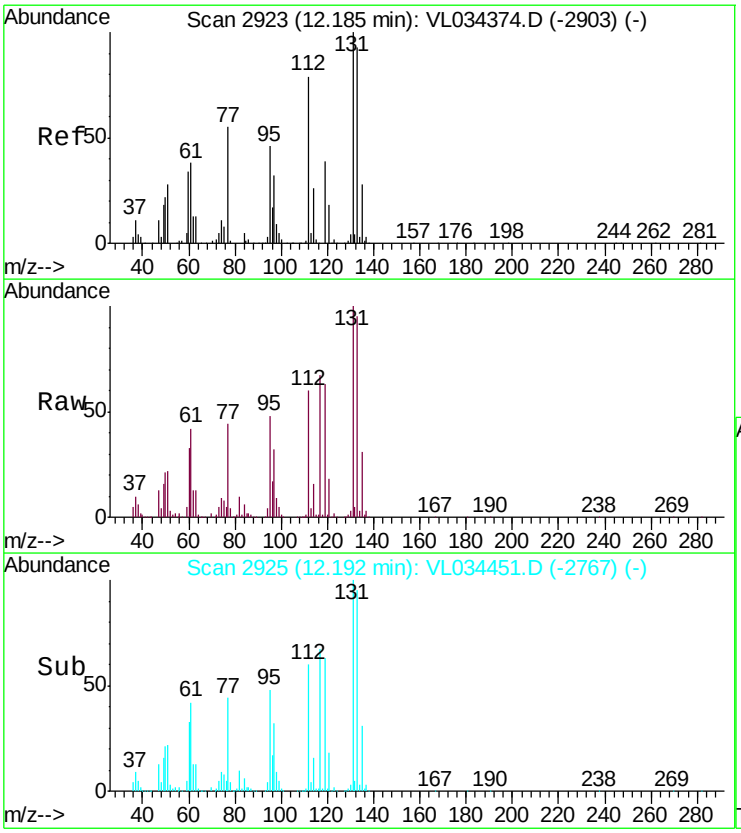
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1644285

Ion	Ratio	Lower	Upper
117	100		
82	67.7	57.5	86.3
119	32.7	25.4	38.2

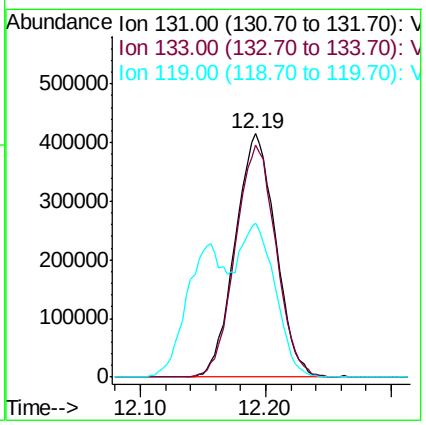


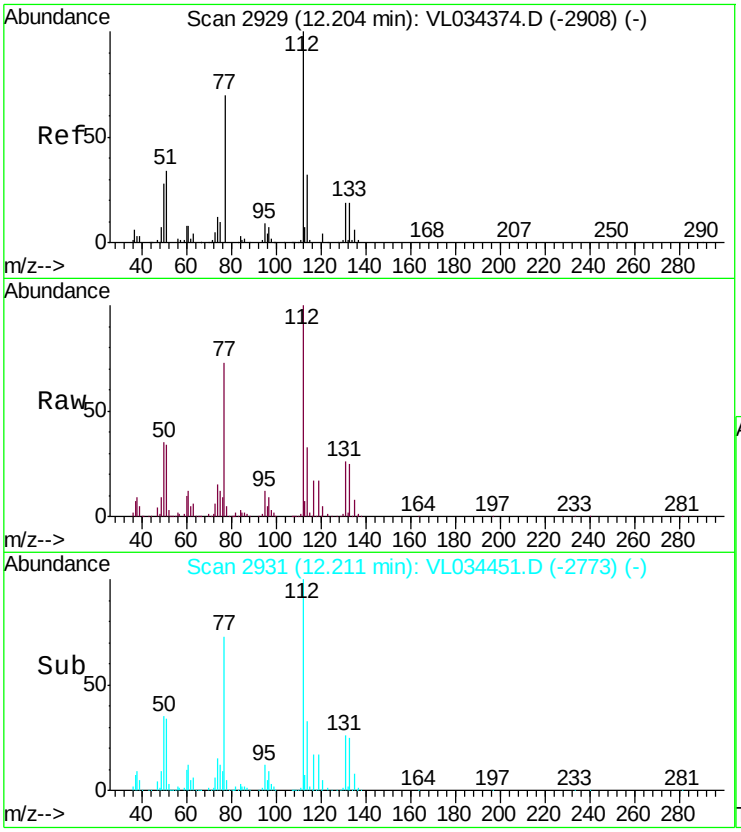


#56
1,1,1,2-Tetrachloroethane
Concen: 11.553 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:131 Resp: 929187

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.2	114.2
119	53.9	44.6	67.0



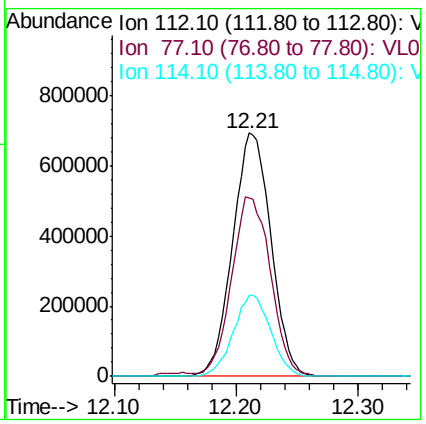


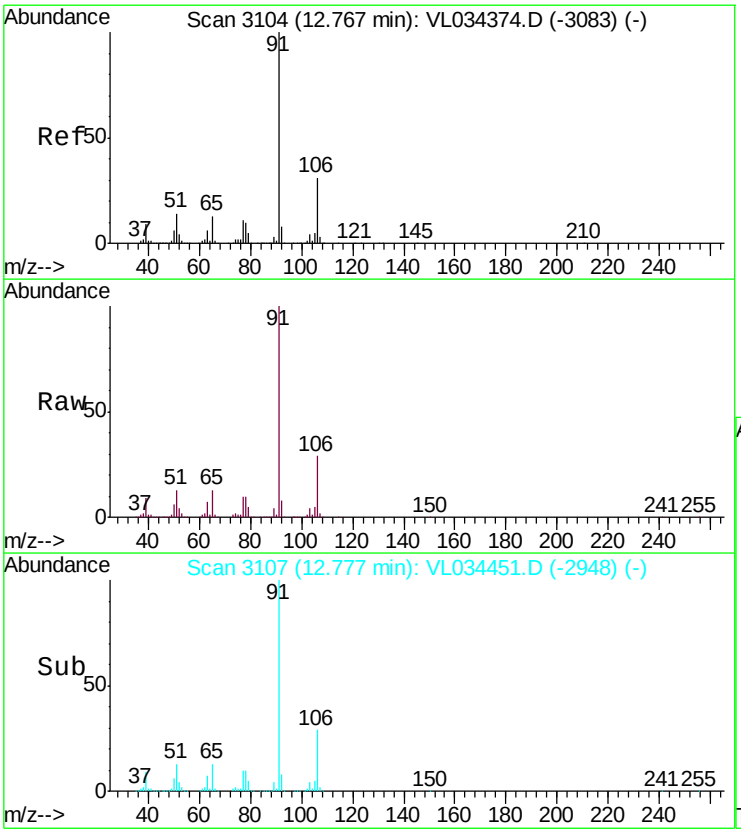
#57
Chlorobenzene
Concen: 10.109 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1502594

Ion	Ratio	Lower	Upper
112	100		
77	73.1	57.1	85.7
114	33.2	28.5	34.9

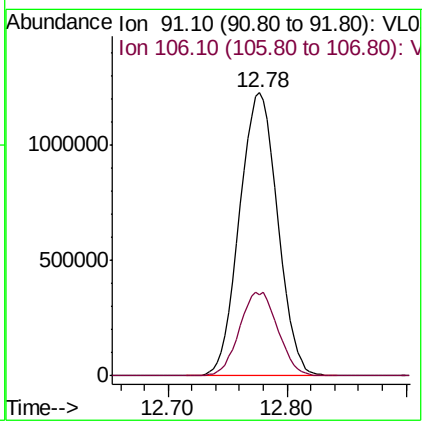


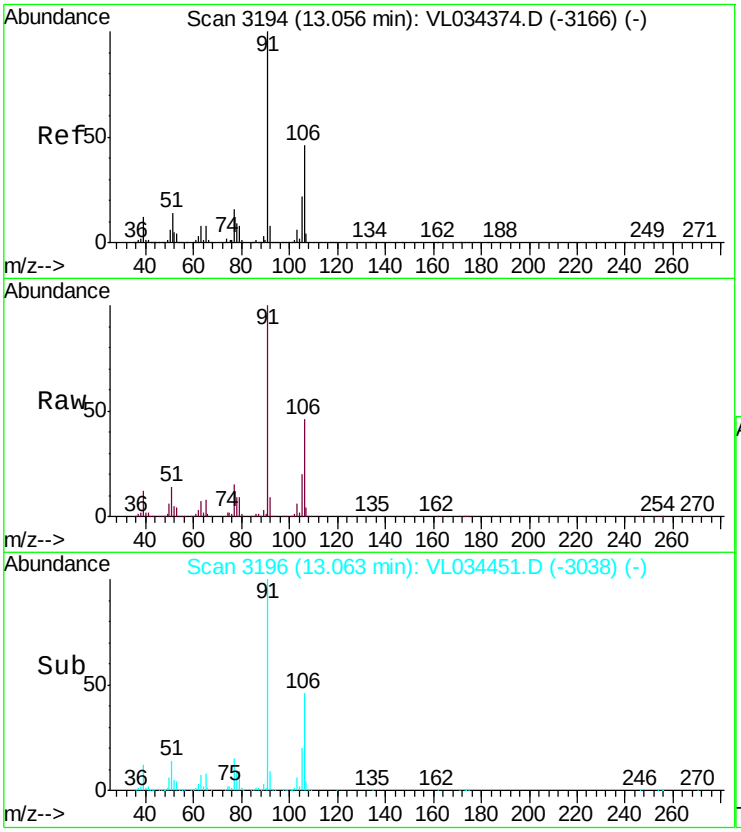


#58
Ethyl Benzene
Concen: 10.693 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 91 Resp: 2728526

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.8	37.2



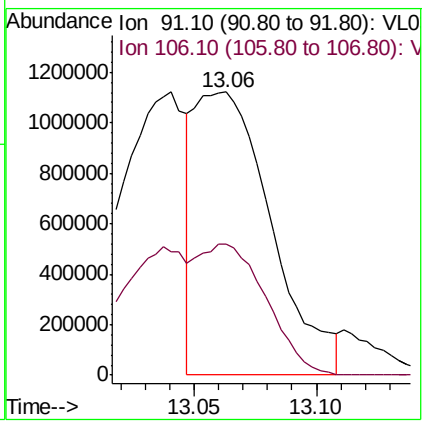


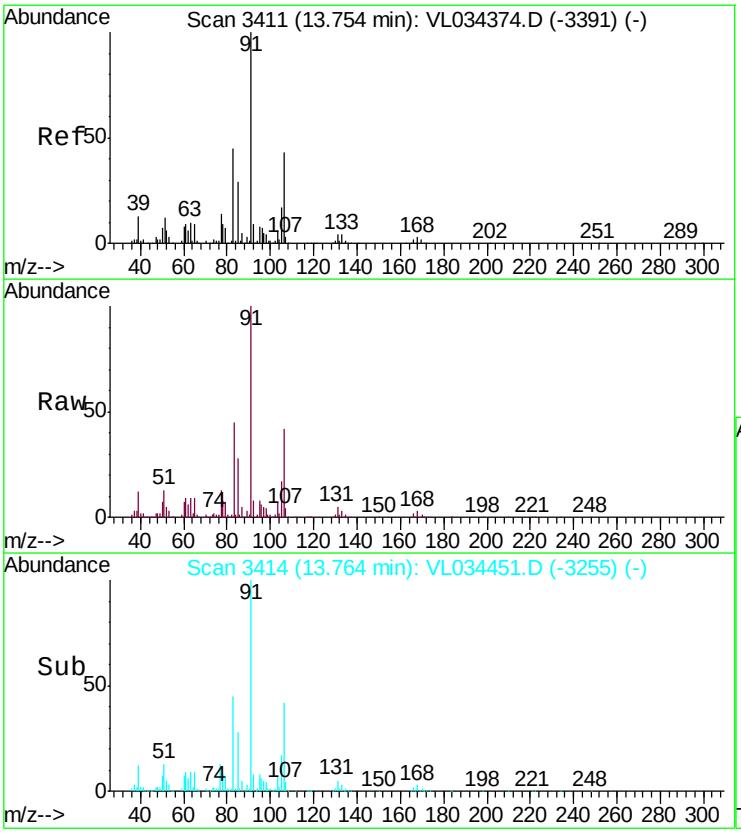
#59
m/p-Xylene
Concen: 11.016 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2429849

Ion	Ratio	Lower	Upper
91	100		
106	82.0	34.6	51.8#

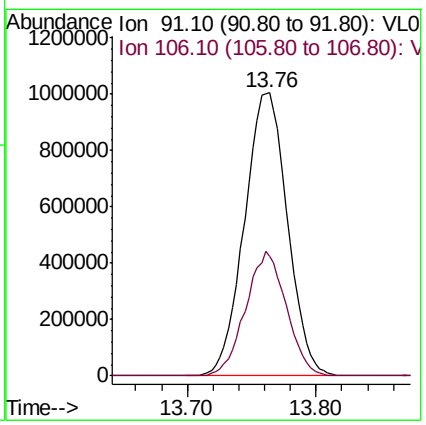


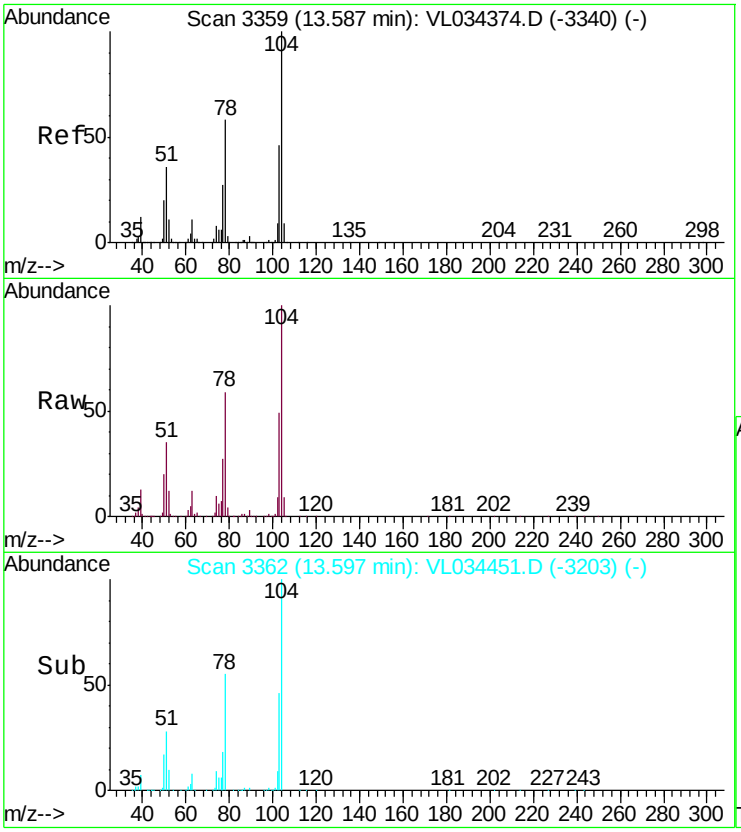


#60
o-Xylene
Concen: 10.697 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 91 Resp: 2332849

Ion	Ratio	Lower	Upper
91	100		
106	41.5	21.3	64.0



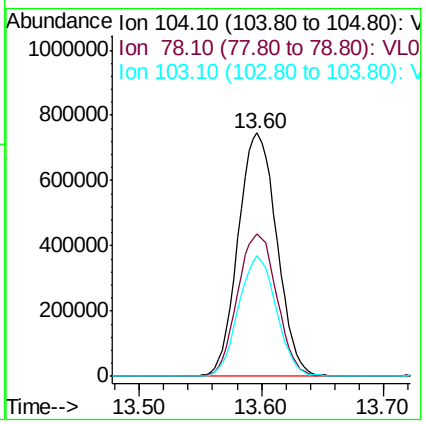


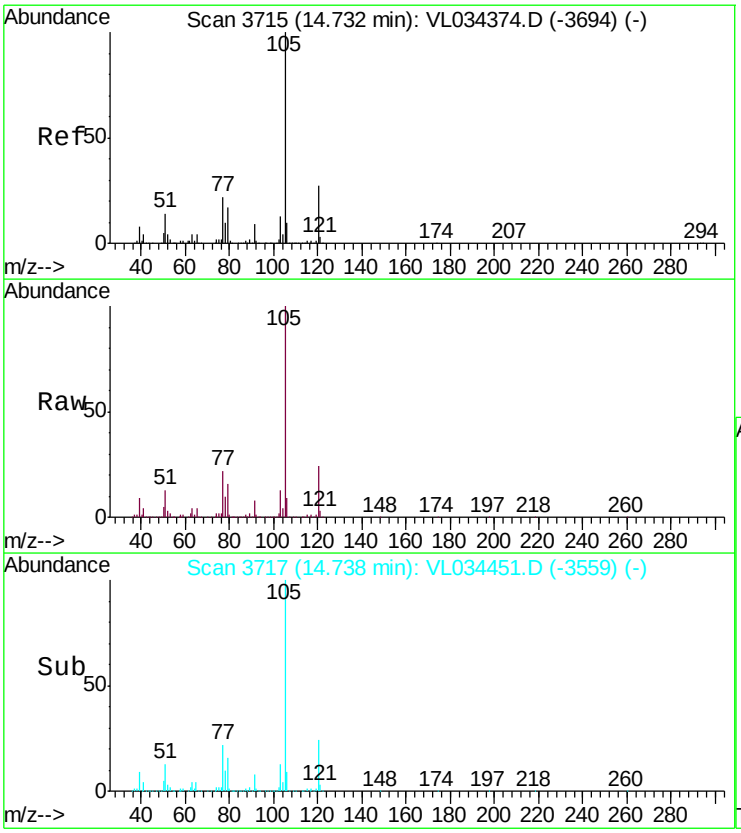
#61
Styrene
Concen: 10.381 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1632658

Ion	Ratio	Lower	Upper
104	100		
78	59.6	47.6	71.4
103	48.3	38.6	57.8

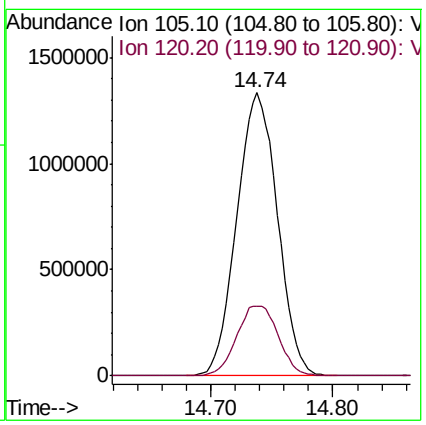


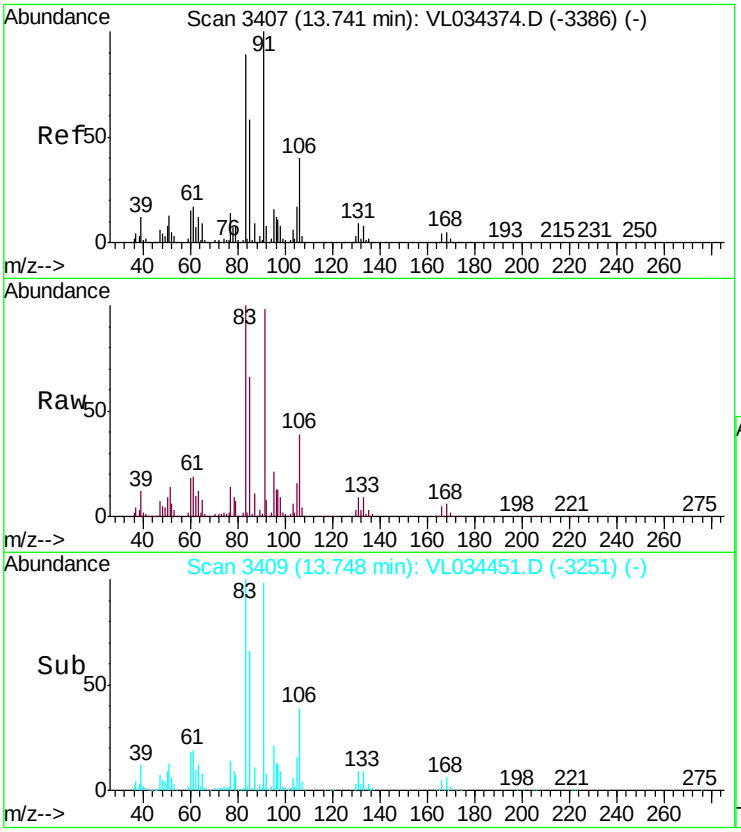


#62
Isopropylbenzene
Concen: 10.633 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:105 Resp: 3066899

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



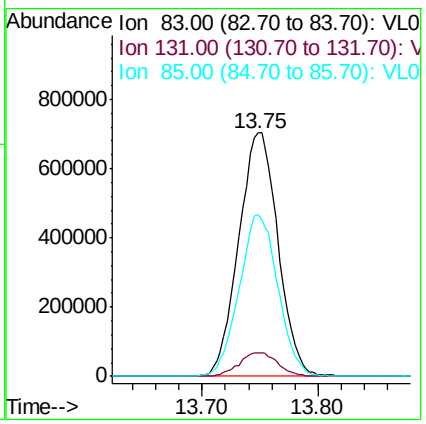


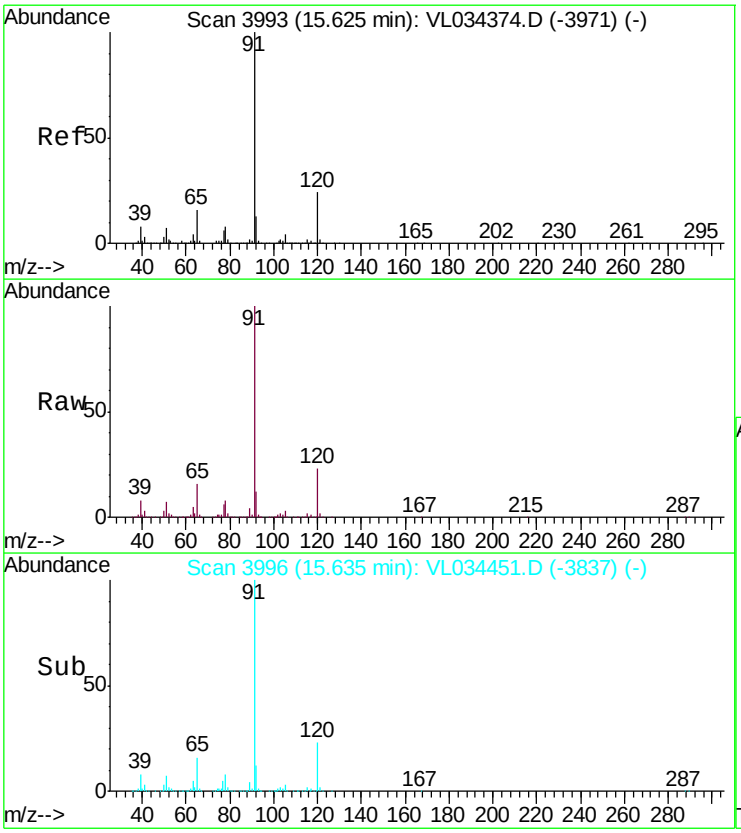
#63
1,1,2,2-Tetrachloroethane
Concen: 10.121 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 83 Resp: 1659186

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	65.5	32.6	97.8

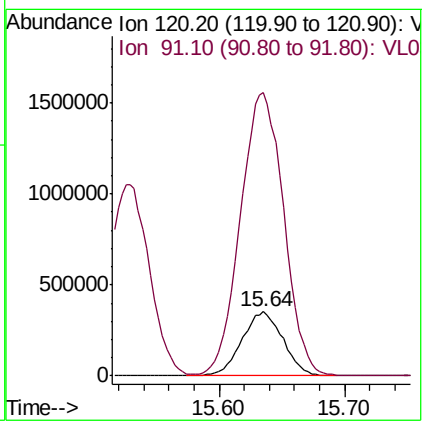


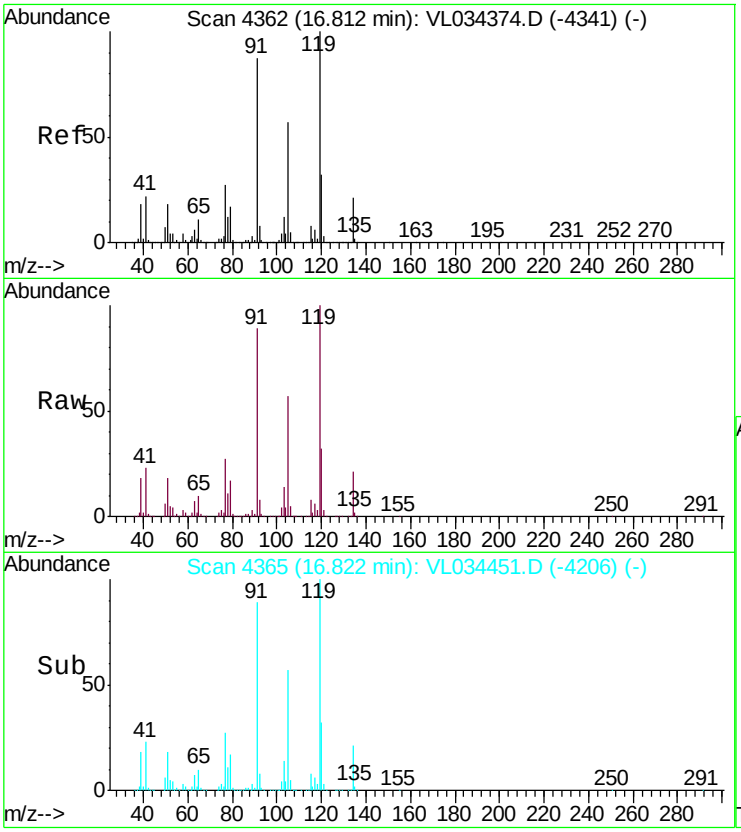


#64
n-propylbenzene
Concen: 10.665 ppbv
RT: 15.64 min Scan# 3996
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:120 Resp: 798813

Ion	Ratio	Lower	Upper
120	100		
91	469.7	370.9	556.3



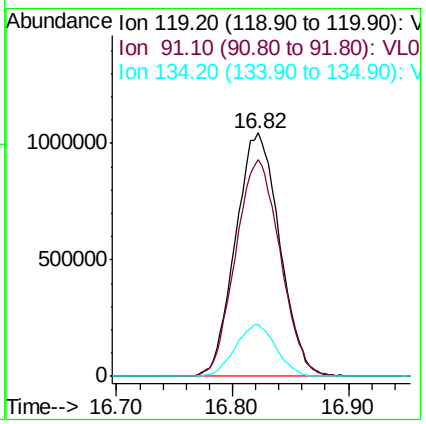


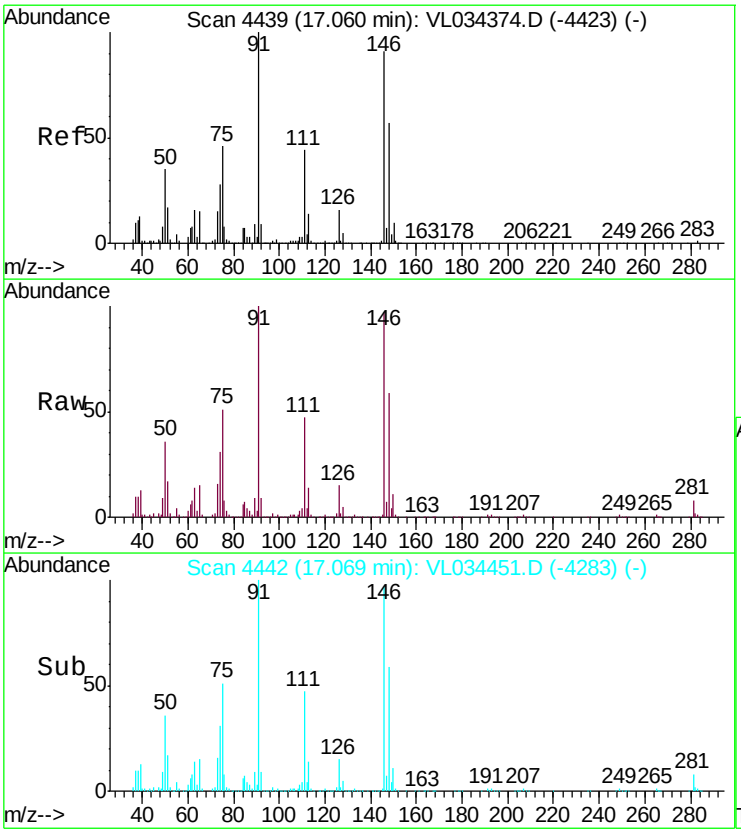
#65
tert-Butylbenzene
Concen: 10.657 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2761156

Ion	Ratio	Lower	Upper
119	100		
91	90.6	71.6	107.4
134	19.7	15.9	23.9

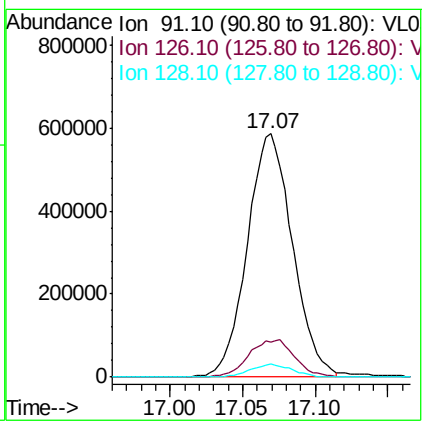


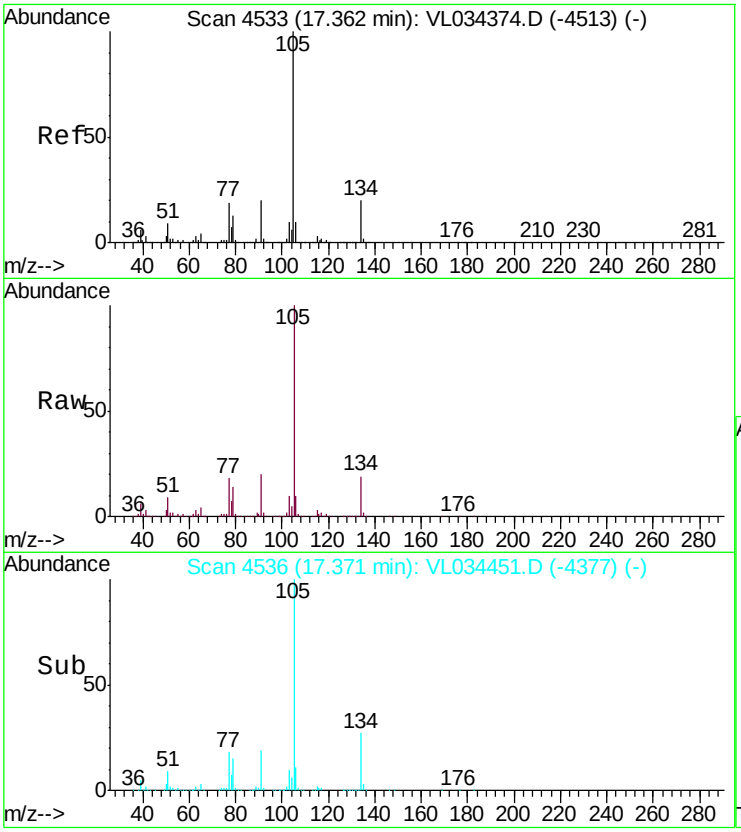


#66
Benzyl Chloride
Concen: 12.740 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 91 Resp: 1269850

Ion	Ratio	Lower	Upper
91	100		
126	15.8	12.9	19.3
128	5.1	4.3	6.5



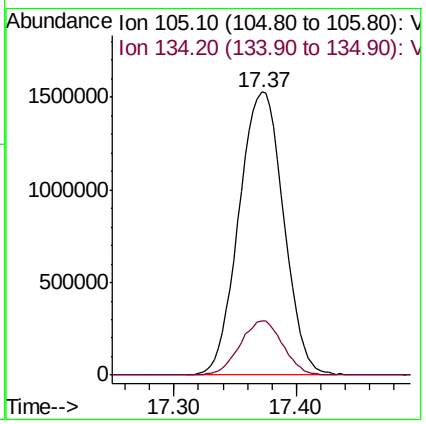


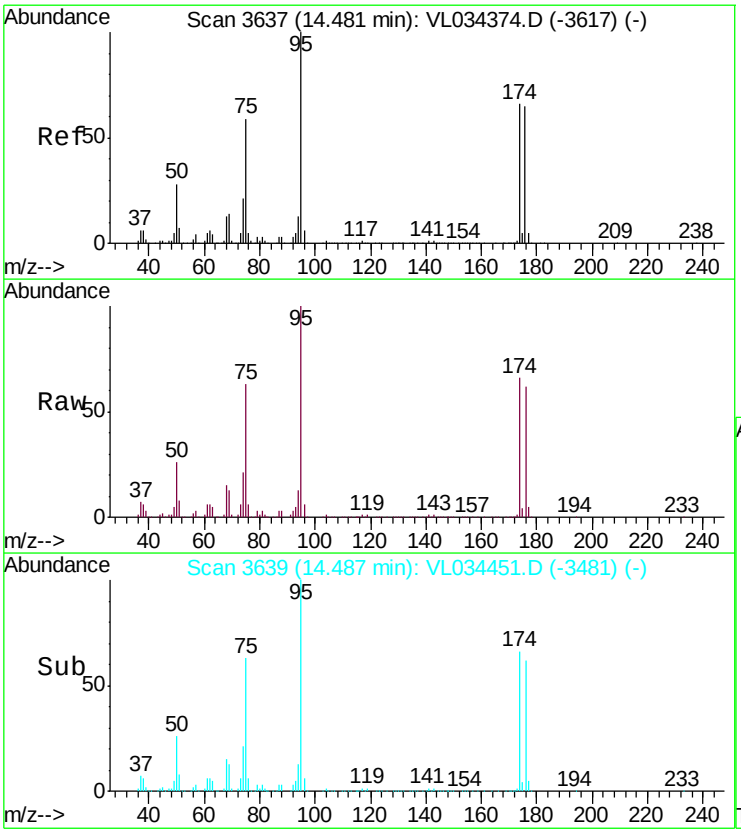
#67
sec-Butylbenzene
Concen: 10.681 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 3870811

Ion	Ratio	Lower	Upper
105	100		
134	18.4	15.0	22.6

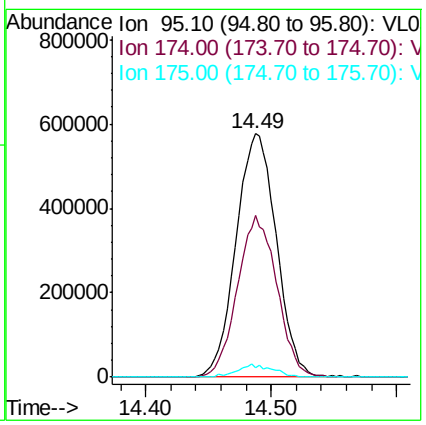


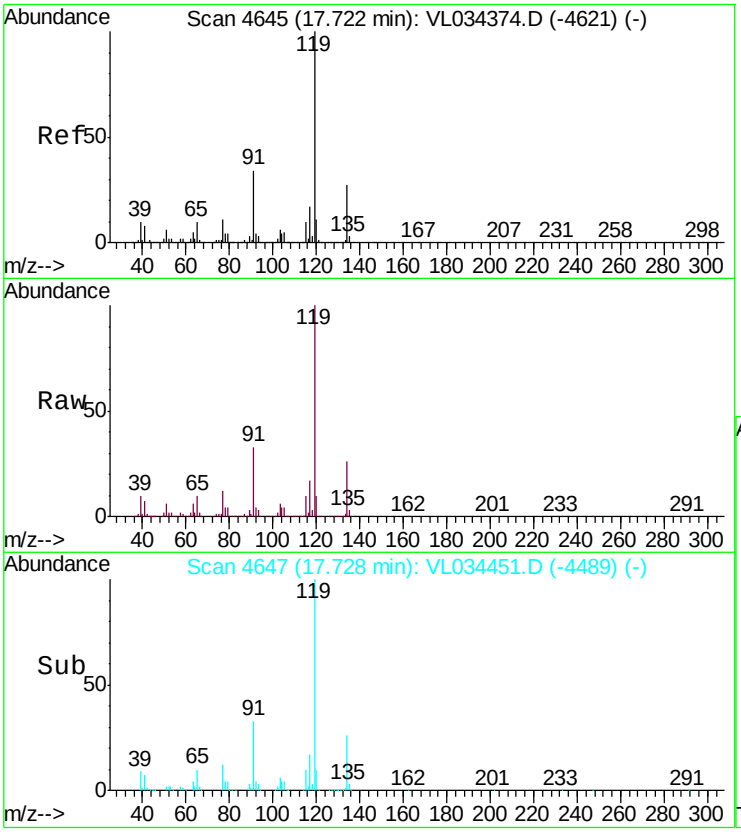


#68
1-Bromo-4-Fluorobenzene
Concen: 9.297 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 95 Resp: 1286063

Ion	Ratio	Lower	Upper
95	100		
174	65.1	52.2	78.2
175	4.7	3.8	5.8



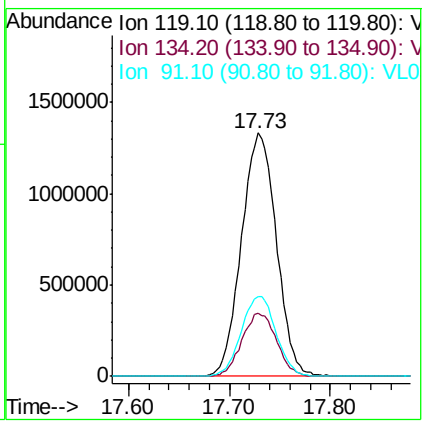


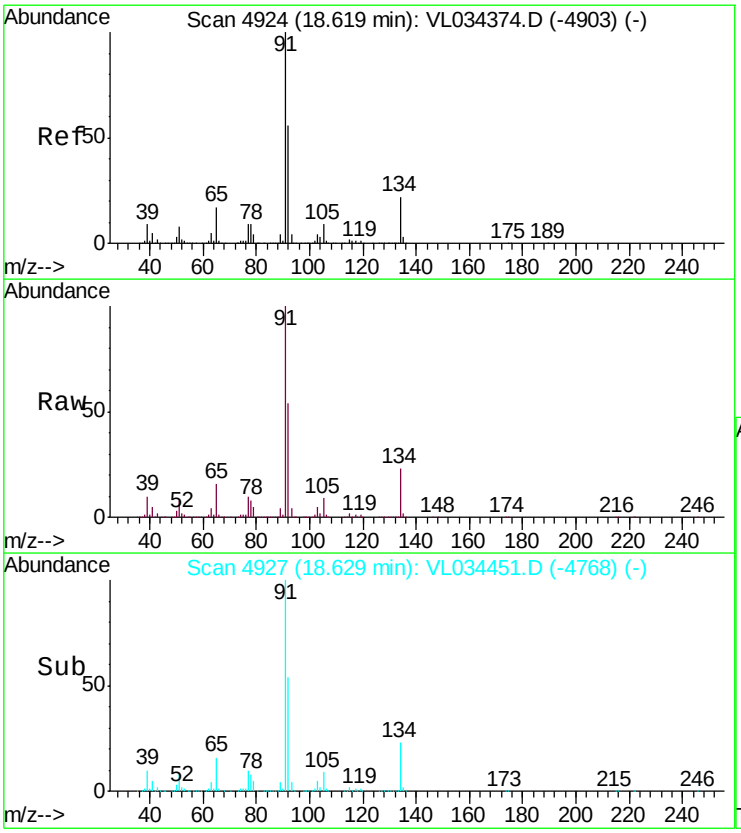
#69
p-Isopropyltoluene
Concen: 10.630 ppbv
RT: 17.73 min Scan# 4647
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3197268

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	32.8	26.3	39.5

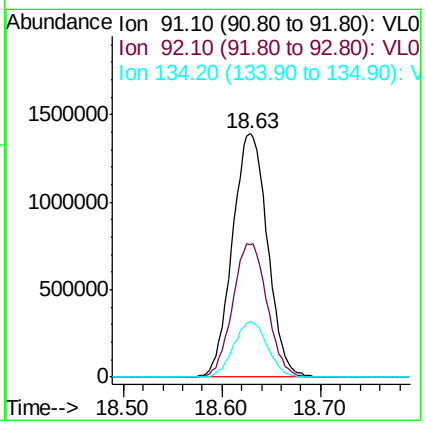


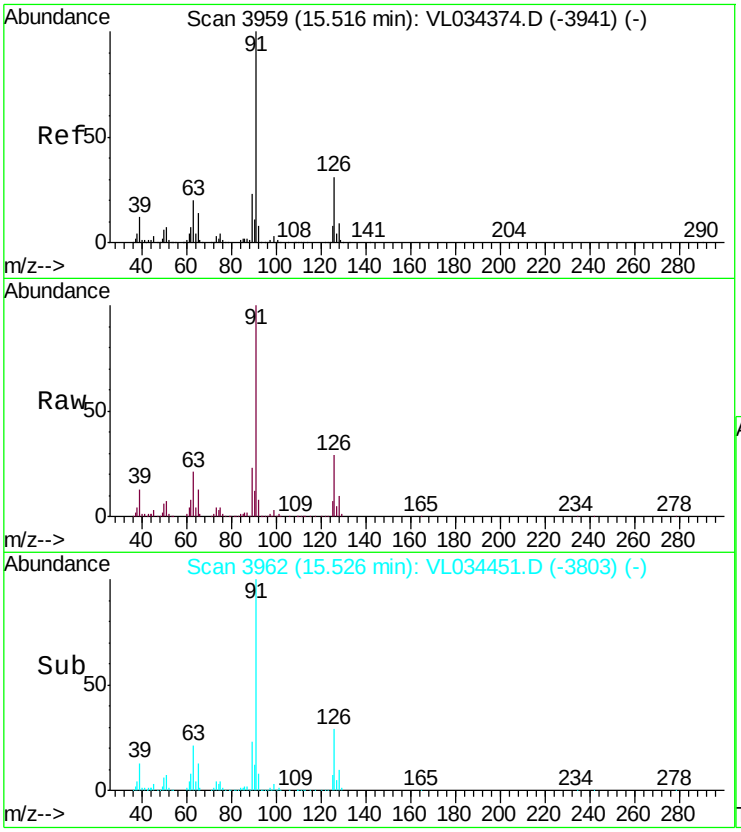


#70
n-Butylbenzene
Concen: 10.585 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion: 91 Resp: 3425689

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	22.1	17.9	26.9



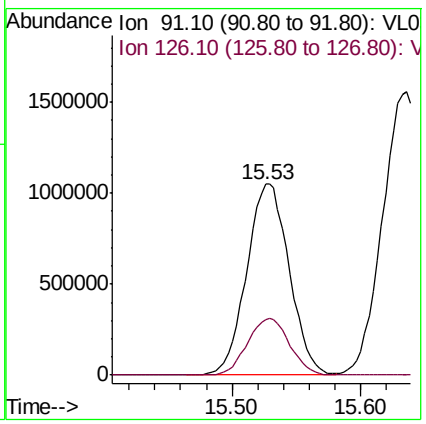


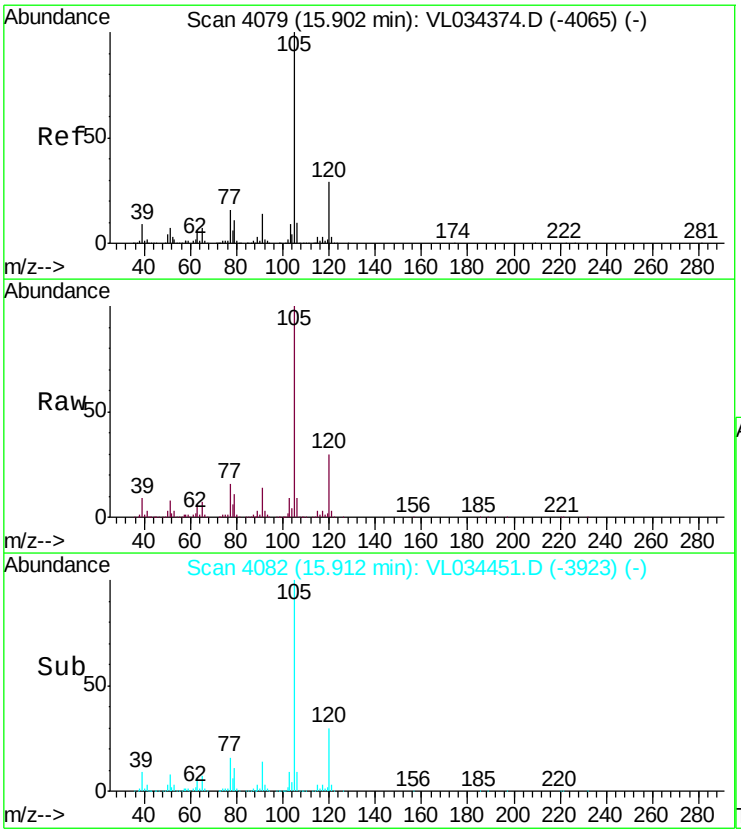
#71
2-Chlorotoluene
Concen: 10.466 ppbv
RT: 15.53 min Scan# 3962
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2407072

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.8	47.4

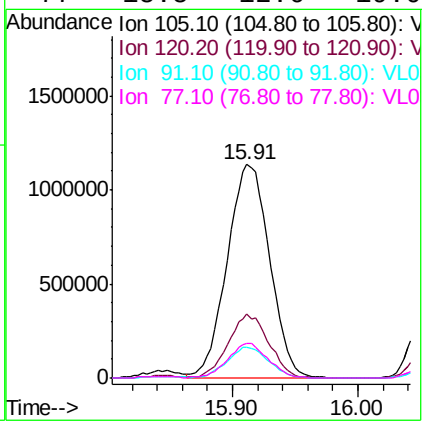


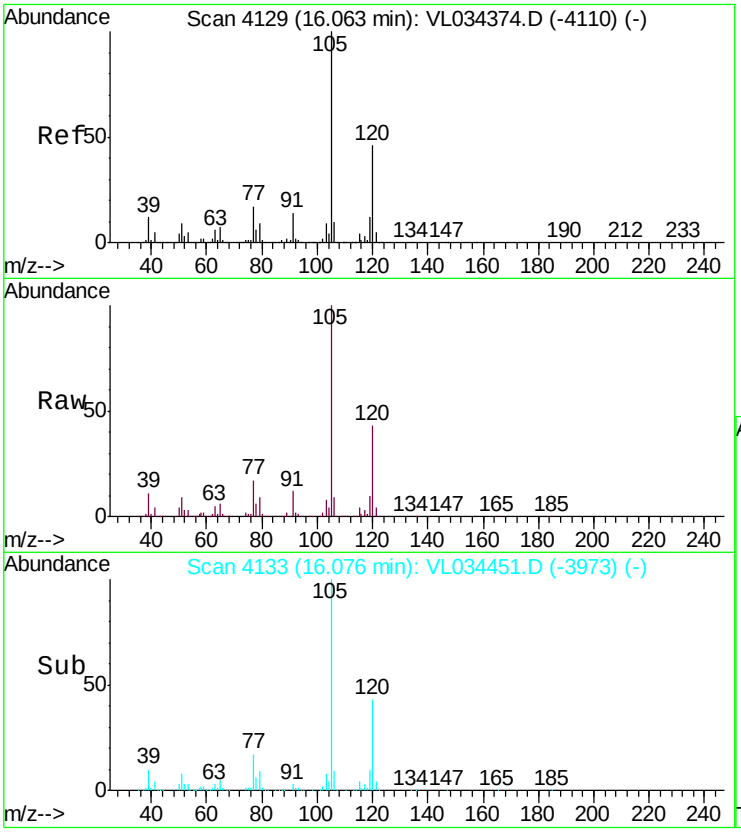


#72
4-Ethyltoluene
Concen: 10.554 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:105 Resp: 2659476

Ion	Ratio	Lower	Upper
105	100		
120	28.4	23.5	35.3
91	14.1	11.4	17.0
77	15.5	12.6	19.0



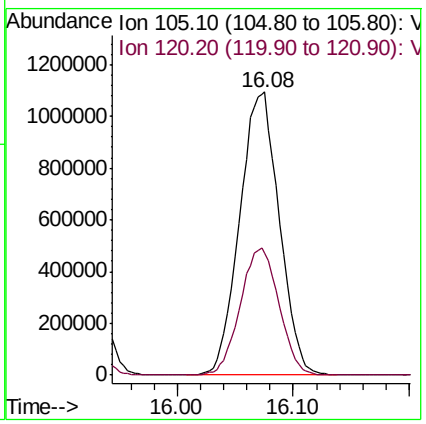


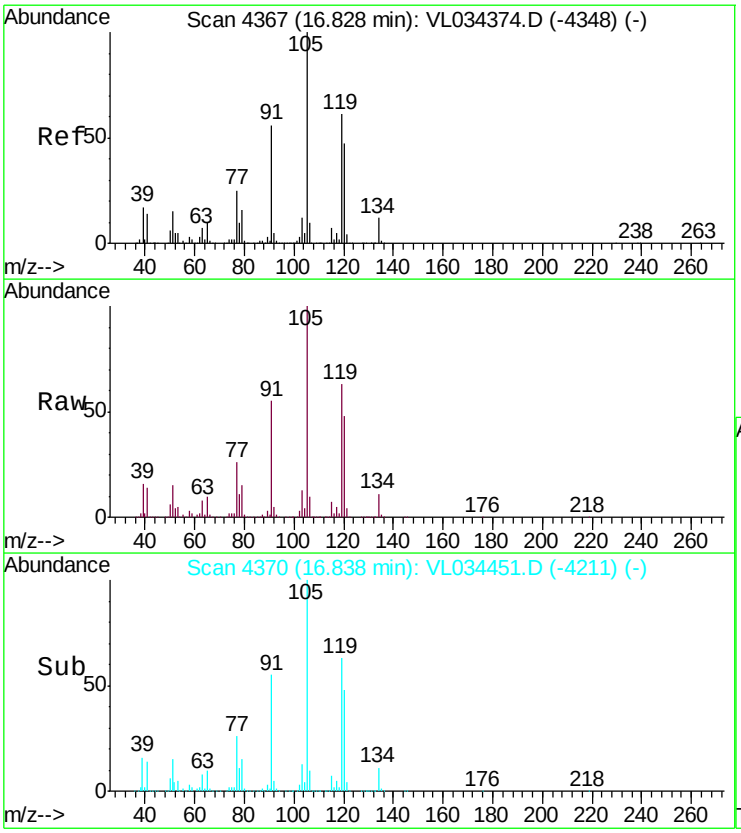
#73
1,3,5-Trimethylbenzene
Concen: 10.480 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2584985

Ion	Ratio	Lower	Upper
105	100		
120	43.1	37.1	55.7

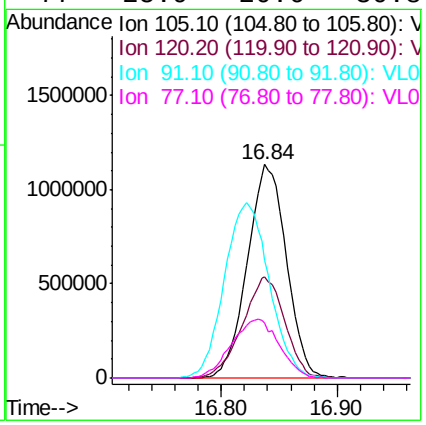


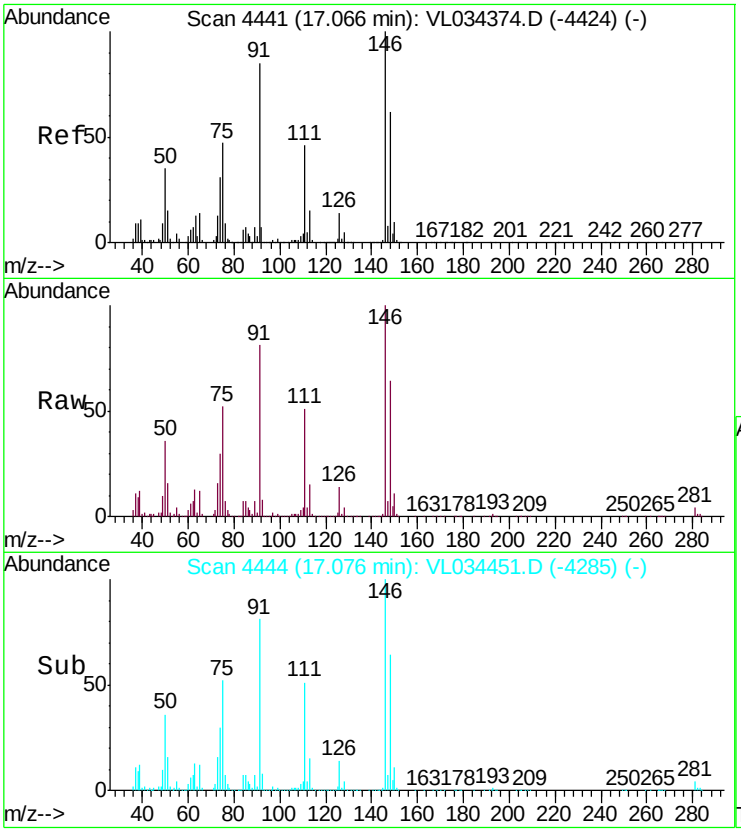


#74
1,2,4-Trimethylbenzene
Concen: 10.136 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:105 Resp: 2655827

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.4	56.0
91	55.2	46.3	69.5
77	25.9	20.6	30.8



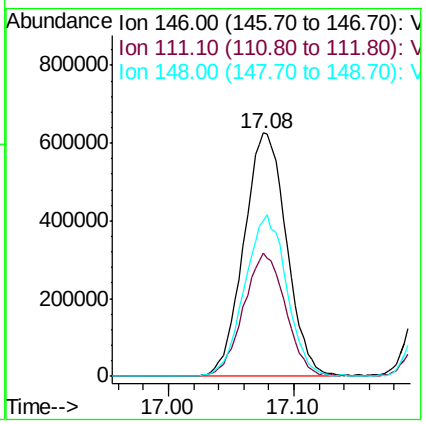


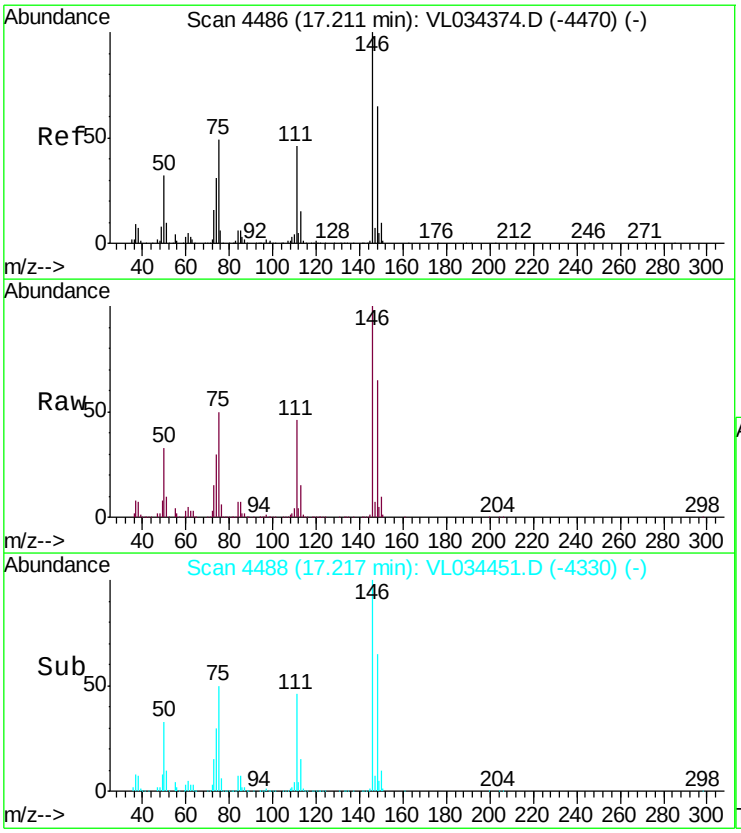
#75
1,3-Dichlorobenzene
Concen: 9.811 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1477560

Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.4	73.4
148	65.4	32.4	97.0

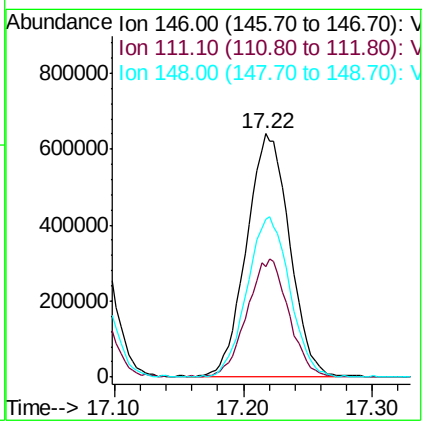


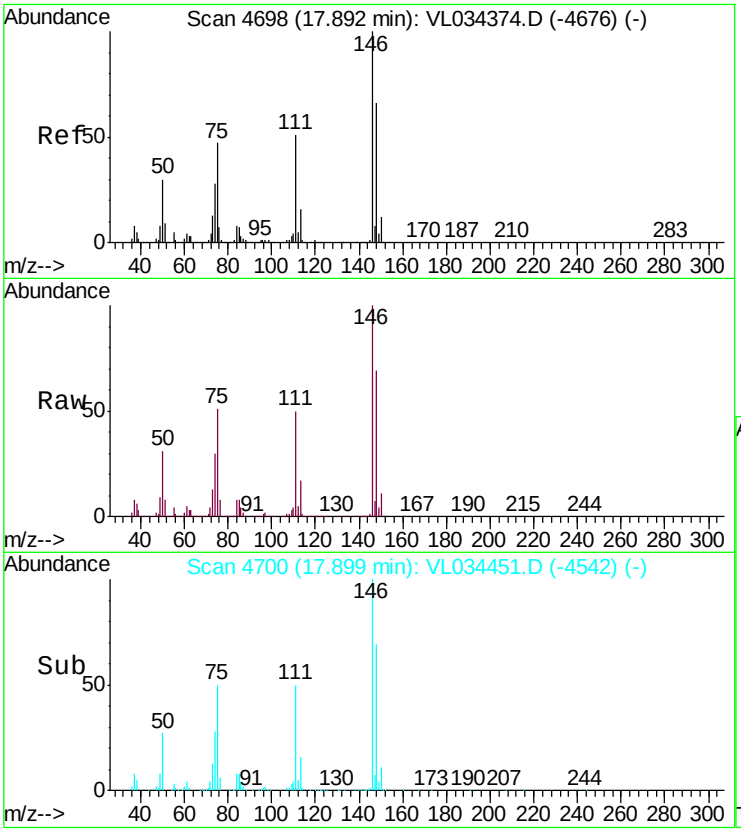


#76
1,4-Dichlorobenzene
Concen: 10.136 ppbv
RT: 17.22 min Scan# 4488
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:146 Resp: 1482312

Ion	Ratio	Lower	Upper
146	100		
111	47.5	24.1	72.3
148	65.8	32.9	98.6



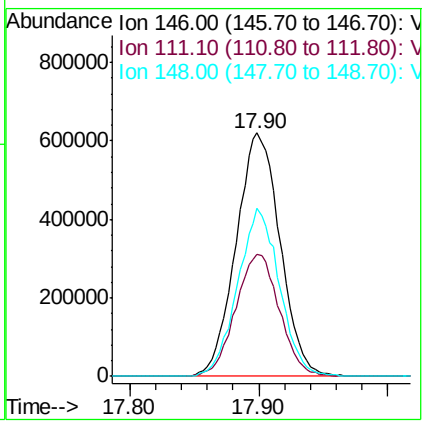


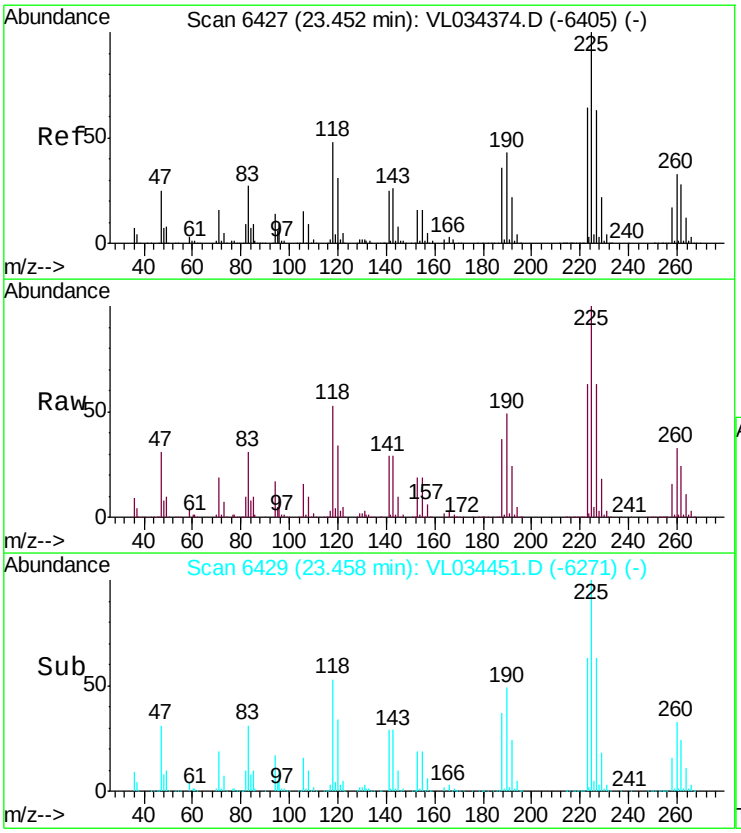
#77
1,2-Dichlorobenzene
Concen: 10.145 ppbv
RT: 17.90 min Scan# 4700
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1475768

Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.0	75.0
148	65.5	32.7	98.1

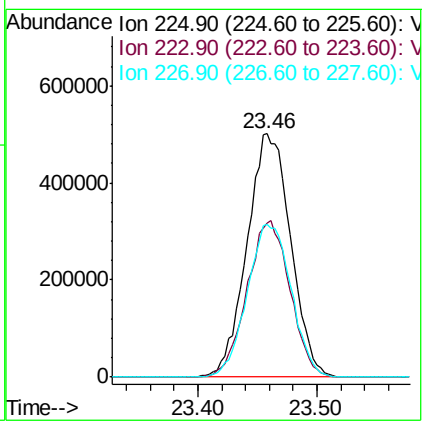


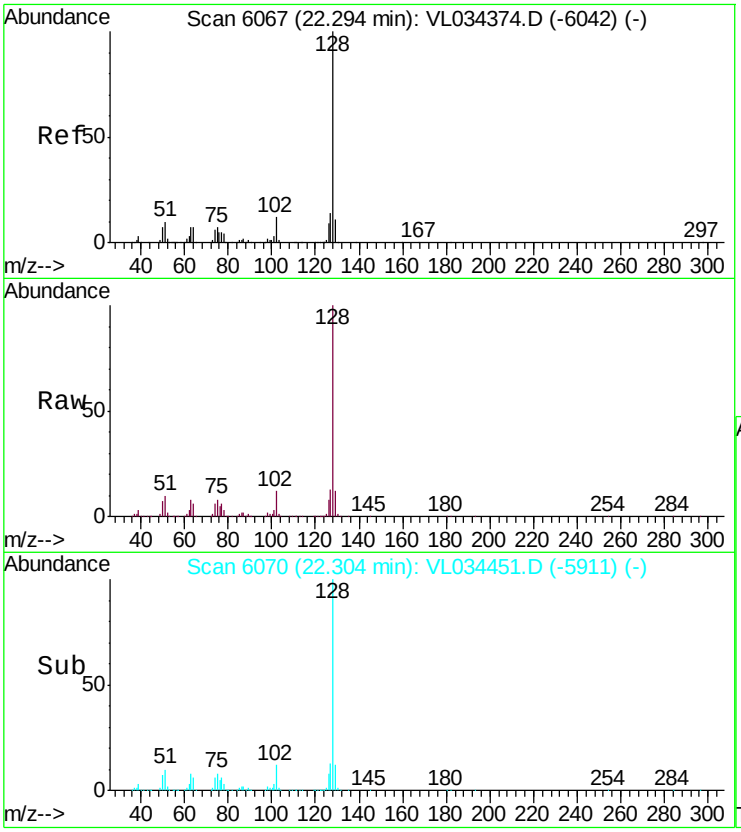


#78
Hexachloro-1,3-Butadiene
Concen: 10.166 ppbv
RT: 23.46 min Scan# 6429
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:225 Resp: 1270502

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	63.5	51.5	77.3



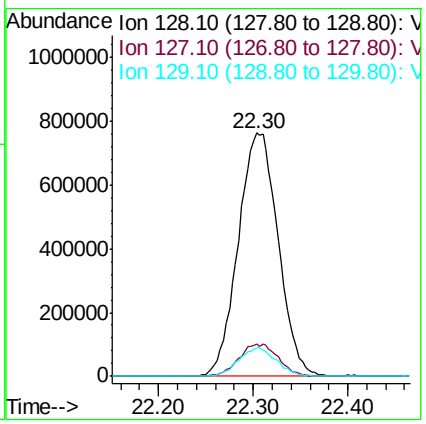


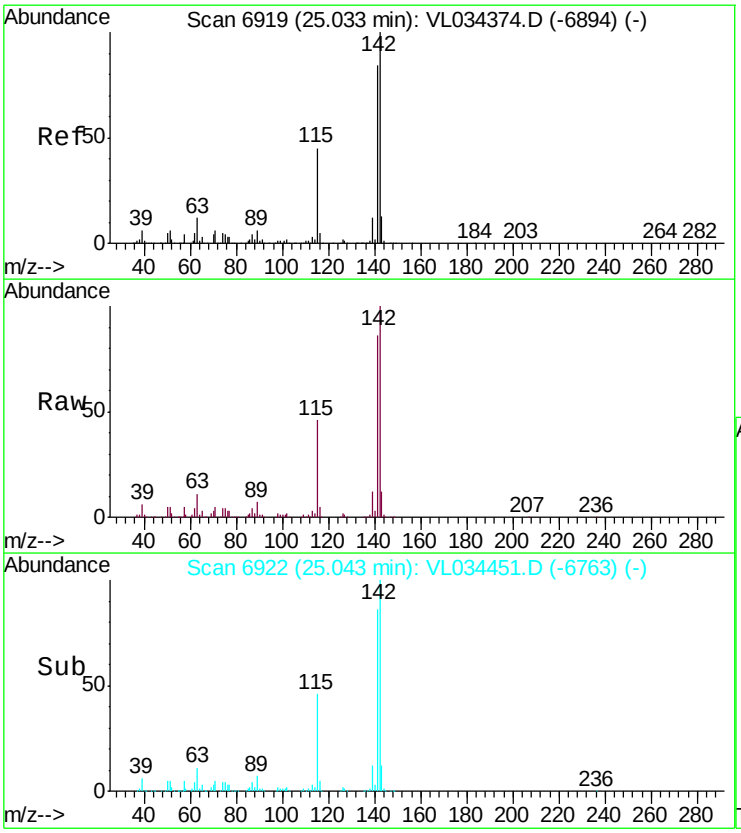
#79
Naphthalene
Concen: 9.876 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2243307

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	11.6	8.9	13.3

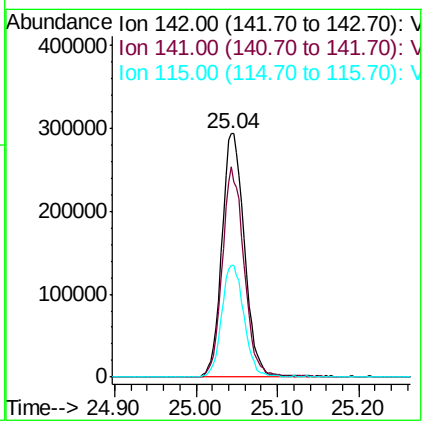


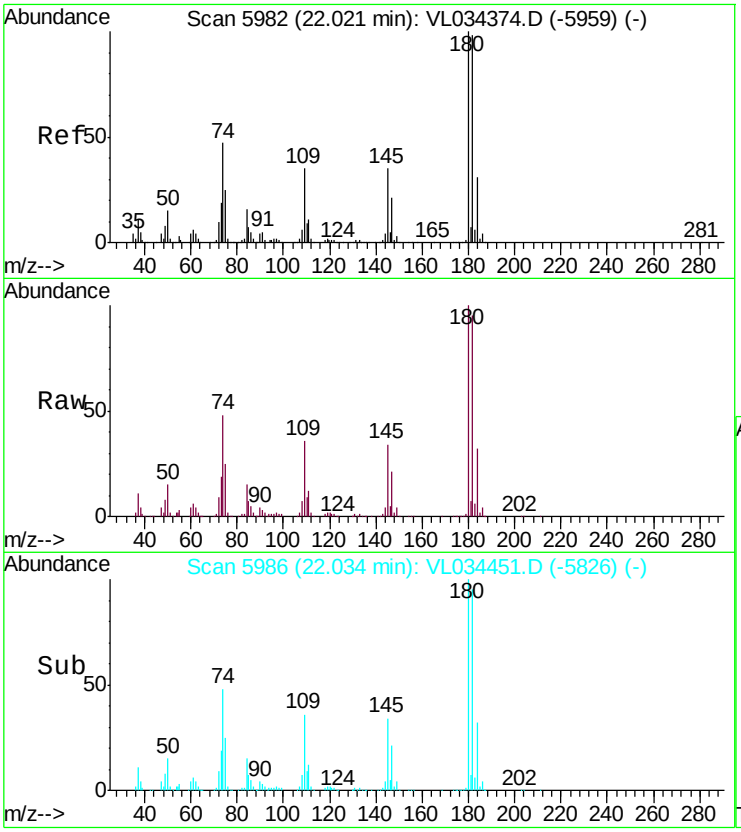


#80
Naphthalene,2-methyl-
Concen: 5.651 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Tgt Ion:142 Resp: 579630

Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.1	100.7
115	45.7	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 9.104 ppbv
RT: 22.03 min Scan# 5986
Delta R.T. 0.01 min
Lab File: VL034451.D
Acq: 3 Dec 2019 7:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1270421

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
184	31.2	24.9	37.3