Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034841.D
Acq On : 9 Mar 2020 11:29
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 09 12:50:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950659	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2207975	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2808983	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1772884	7.57	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 75.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1000931	6.452	ppbv	99
3) Chlorodifluoromethane	2.94	51	966054	8.920	ppbv	97
4) Chloromethane	3.10	50	557453	9.556	ppbv	96
5) Vinyl Chloride	3.22	62	541675	8.789	ppbv	95
6) Bromomethane	3.44	94	312360	9.286	ppbv	93
7) Chloroethane	3.52	64	192333	9.026	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1211388	8.988	ppbv	92
9) Propene	2.97	41	460177	10.794	ppbv	99
10) Heptane	8.13	43	1188718	10.972	ppbv	99
11) Trichlorofluoromethane	3.92	101	1235433	8.899	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	873018	9.114	ppbv	94
13) Ethanol	3.57	45	117181	8.022	ppbv	95
14) Bromoethene	3.70	108	393320	10.007	ppbv	98
15) Acetone	3.82	43	986498	8.666	ppbv	100
16) 1,3-Butadiene	3.29	39	515405	10.007	ppbv	99
17) tert-Butyl alcohol	4.26	59	1040069	11.587	ppbv	99
18) 1,1-Dichloroethene	4.26	96	398136	9.425	ppbv	98
19) Isopropyl Alcohol	3.94	45	679728	9.965	ppbv #	1
20) Methylene Chloride	4.31	84	346274	8.523	ppbv	97
21) Allyl Chloride	4.38	41	732006	10.154	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	401478	9.736	ppbv	97
23) Vinyl Acetate	5.06	43	1708866	11.194	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1124960	9.495	ppbv	99
25) Ethyl Acetate	5.66	43	1992774	10.130	ppbv	100
26) Hexane	5.67	57	879290	10.231	ppbv	97
27) Carbon Disulfide	4.53	76	1066498	10.623	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1482007	11.586	ppbv	100
29) Chloroform	5.74	83	1303066	9.007	ppbv	99
30) Cyclohexane	7.13	84	751354	11.428	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	906803	10.287	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	1331762	9.316	ppbv	97
34) 2-Butanone	5.23	43	1320024	9.189	ppbv	100
35) Carbon Tetrachloride	7.02	117	1371726	8.233	ppbv	100
36) Benzene	6.89	78	1804613	9.565	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1029103	7.985	ppbv	97
38) Trichloroethene	7.84	130	687795	9.353	ppbv	95
39) 1,2-Dichloropropane	7.62	63	707816	9.296	ppbv	97
40) 1,4-Dioxane	7.84	88	253420	9.623	ppbv #	93
41) Tetrahydrofuran	6.04	42	764766	10.434	ppbv	98
42) Bromodichloromethane	7.80	83	1452243	8.906	ppbv	99
43) Methyl Methacrylate	8.02	69	797938	9.980	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034841.D
Acq On : 9 Mar 2020 11:29
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 09 12:50:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3064536	9.295	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	994834	11.853	ppbv		98
46) cis-1,3-Dichloropropene	8.72	75	1140053	11.124	ppbv		98
47) 1,1,2-Trichloroethane	9.49	97	743203	9.245	ppbv		96
48) Dibromochloromethane	10.33	129	1281607	10.195	ppbv		99
49) Bromoform	13.07	173	1188493	10.835	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	1980080	9.620	ppbv		100
51) 2-Hexanone	10.15	43	1653162	10.239	ppbv	#	100
52) Tetrachloroethene	11.25	164	683276	9.802	ppbv		96
53) Toluene	9.82	91	2123425	10.634	ppbv		99
54) 1,2-Dibromoethane	10.64	107	1141798	9.606	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.15	131	969004	7.786	ppbv	#	61
57) Chlorobenzene	12.17	112	1595175	7.434	ppbv		97
58) Ethyl Benzene	12.74	91	2855935	8.250	ppbv		93
59) m/p-Xylene	13.02	91	2143765	7.154	ppbv	#	16
60) o-Xylene	13.72	91	2276835	7.510	ppbv		98
61) Styrene	13.56	104	1731178	9.204	ppbv		97
62) Isopropylbenzene	14.70	105	3445036	7.720	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1580840	6.614	ppbv		99
64) n-propylbenzene	15.59	120	926573	8.282	ppbv		91
65) tert-Butylbenzene	16.78	119	3019254	8.007	ppbv		95
66) Benzyl Chloride	17.03	91	1459623	11.973	ppbv		95
67) sec-Butylbenzene	17.33	105	4276822	7.783	ppbv		99
69) p-Isopropyltoluene	17.69	119	3640720	8.187	ppbv		98
70) n-Butylbenzene	18.59	91	3717188	7.645	ppbv		99
71) 2-Chlorotoluene	15.49	91	2638637	7.829	ppbv		97
72) 4-Ethyltoluene	15.87	105	2792249	8.272	ppbv		98
73) 1,3,5-Trimethylbenzene	16.03	105	2615781	8.078	ppbv		94
74) 1,2,4-Trimethylbenzene	16.80	105	2681904	7.619	ppbv	#	90
75) 1,3-Dichlorobenzene	17.03	146	1570753	7.538	ppbv		98
76) 1,4-Dichlorobenzene	17.18	146	1592165	7.985	ppbv		100
77) 1,2-Dichlorobenzene	17.86	146	1560508	7.829	ppbv		97
78) Hexachloro-1,3-Butadiene	23.42	225	1302523	7.830	ppbv		100
79) Naphthalene	22.25	128	2705466	10.228	ppbv		99
80) Naphthalene,2-methyl-	25.01	142	1202793	19.038	ppbv		97
81) 1,2,4-Trichlorobenzene	21.99	180	1564727	9.357	ppbv		100

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

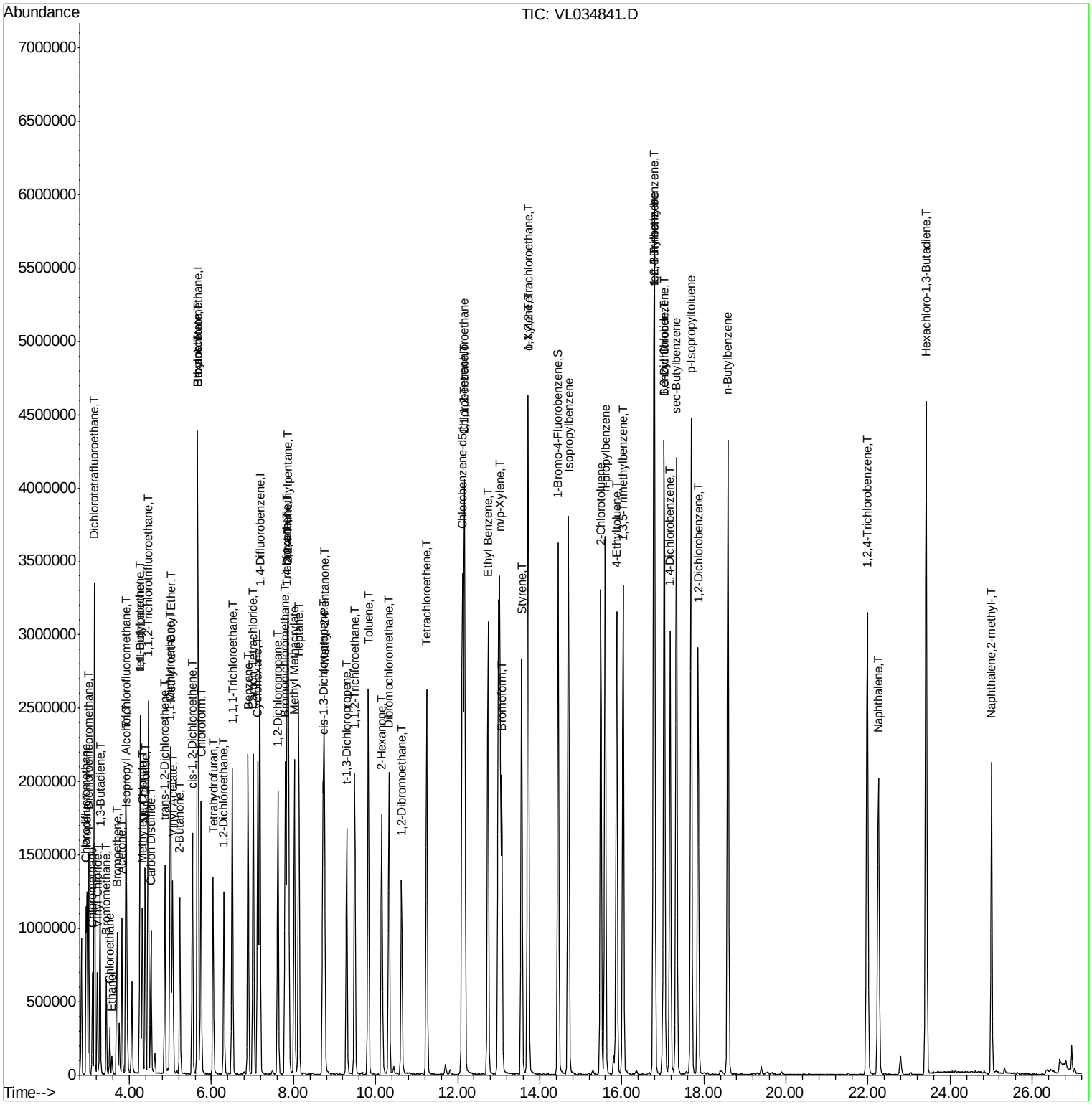
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

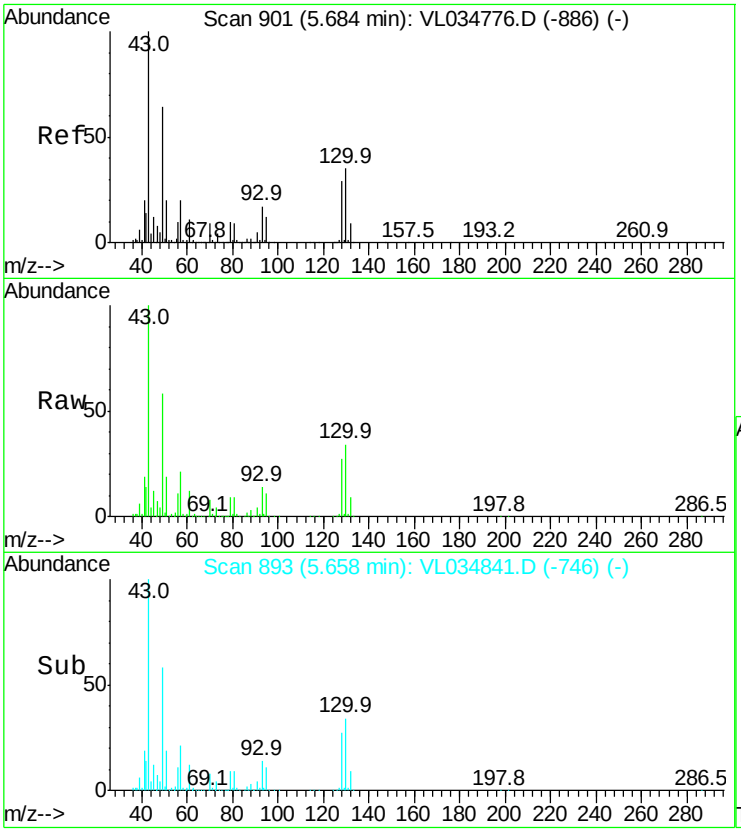
Quantitation Report (Not Reviewed)

Data File : VL034841.D
Acq On : 9 Mar 2020 11:29
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 09 12:50:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration



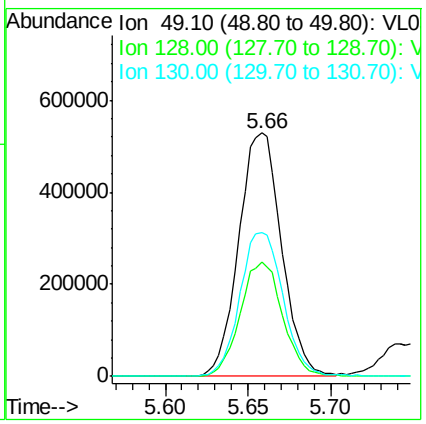


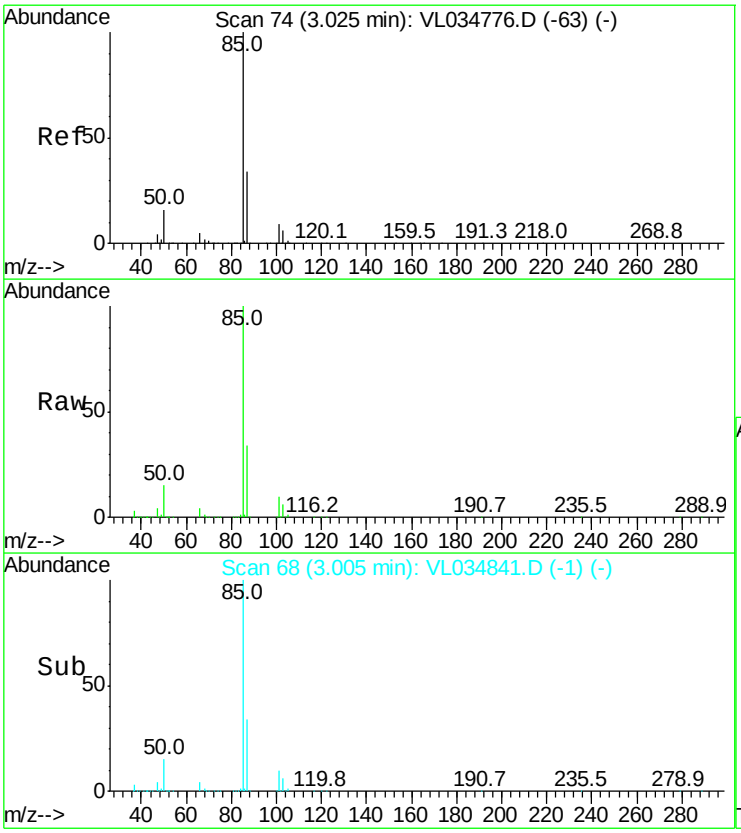
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 950659

Ion	Ratio	Lower	Upper
49	100		
128	46.9	21.6	64.6
130	60.0	27.4	82.2

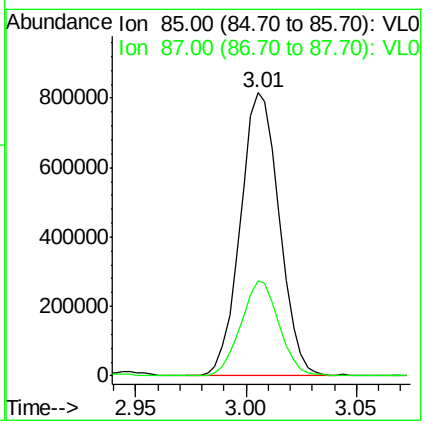


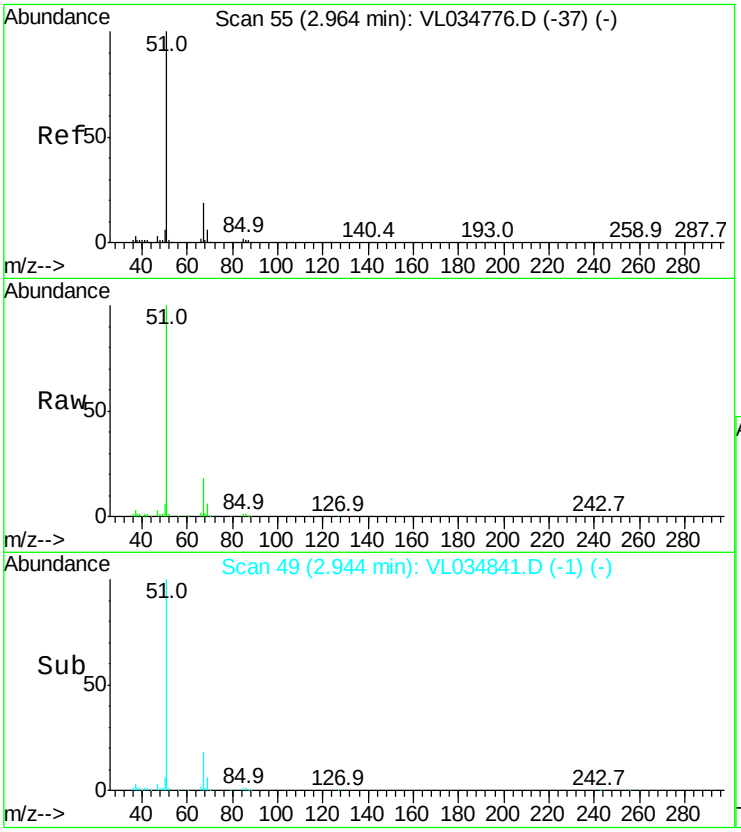


#2
Dichlorodifluoromethane
Concen: 6.452 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 85 Resp: 1000931

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.2	40.8



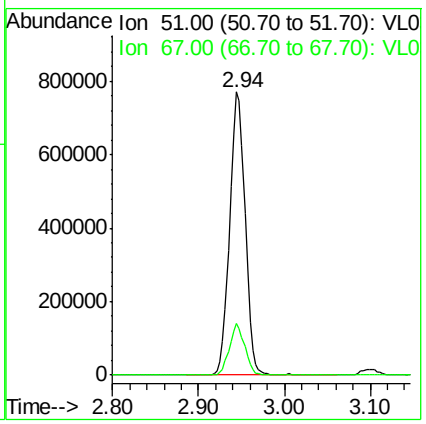


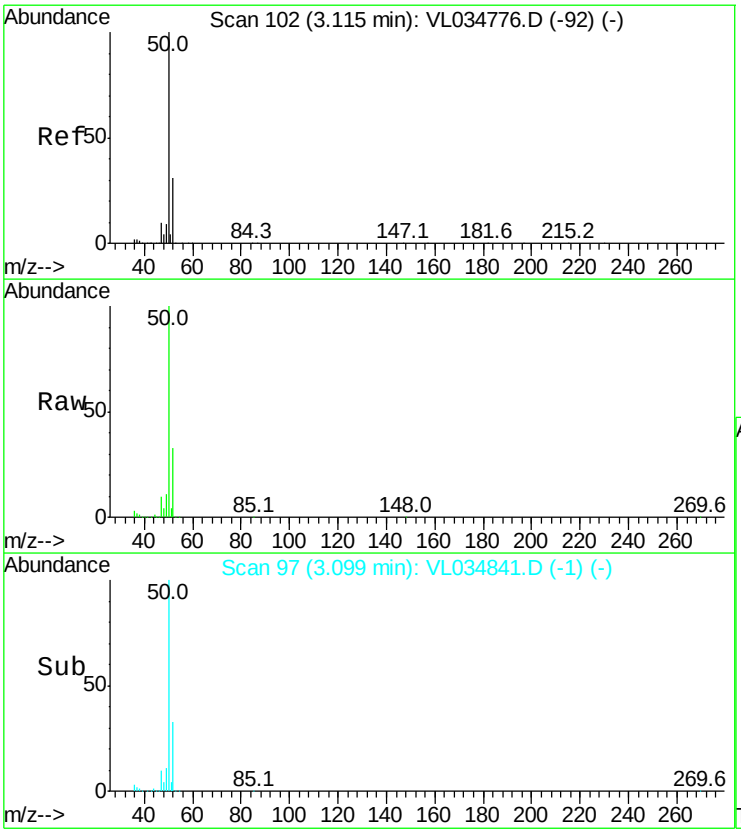
#3
Chlorodifluoromethane
Concen: 8.920 ppbv
RT: 2.94 min Scan# 49
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 966054

Ion	Ratio	Lower	Upper
51	100		
67	17.9	15.3	22.9

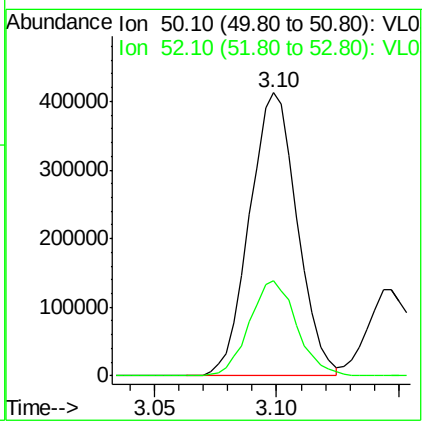


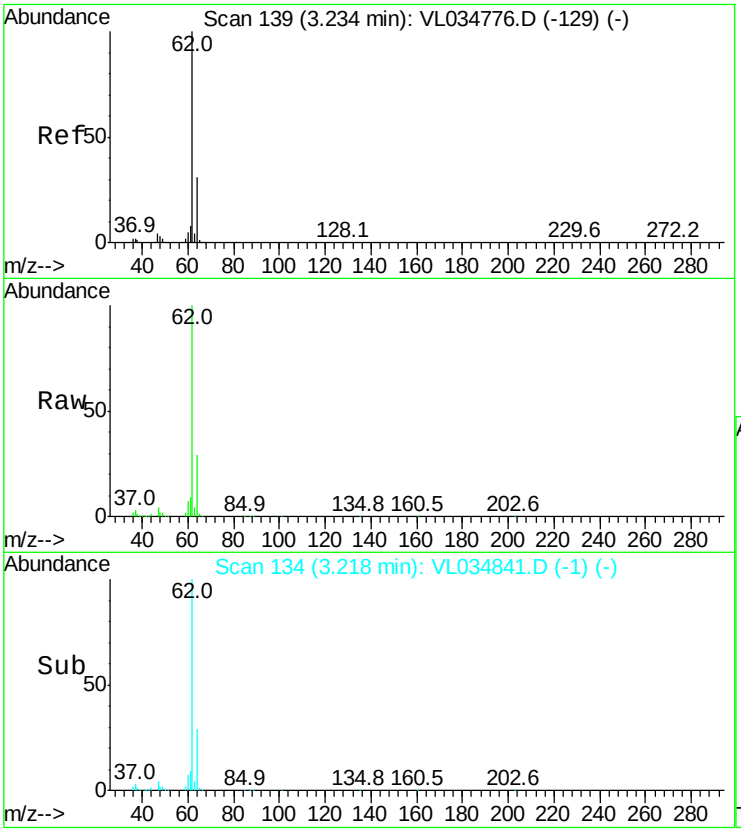


#4
Chloromethane
Concen: 9.556 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 50 Resp: 557453

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4



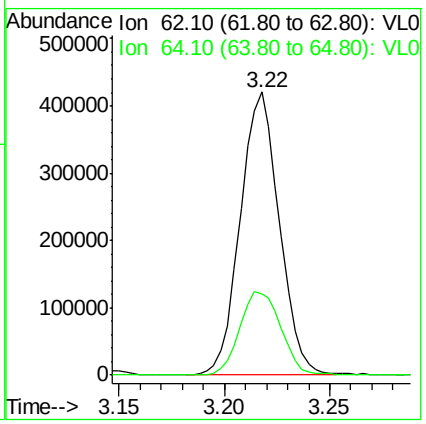


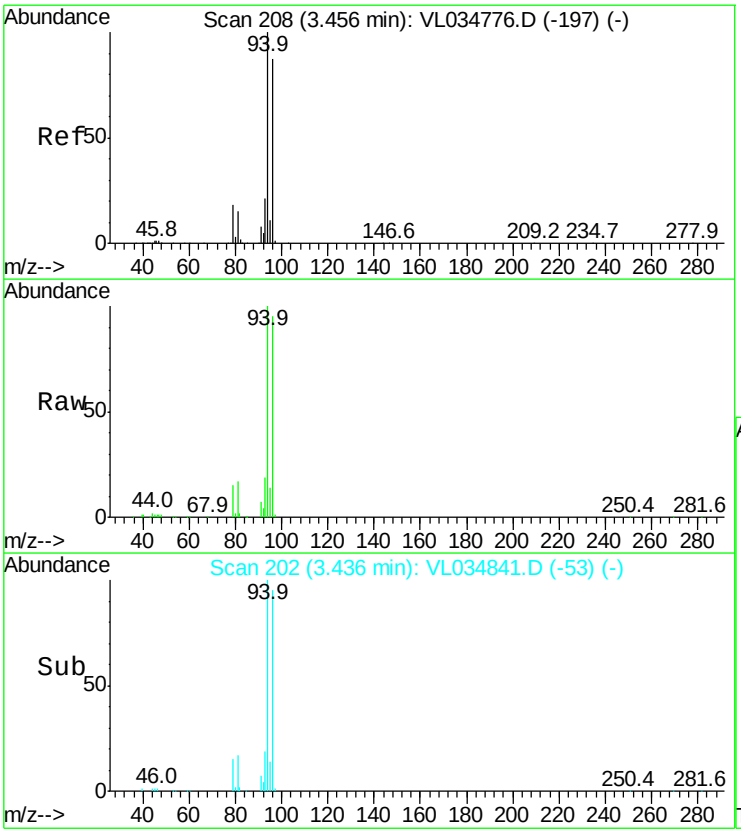
#5
Vinyl Chloride
Concen: 8.789 ppbv
RT: 3.22 min Scan# 134
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 541675

Ion	Ratio	Lower	Upper
62	100		
64	28.7	25.1	37.7

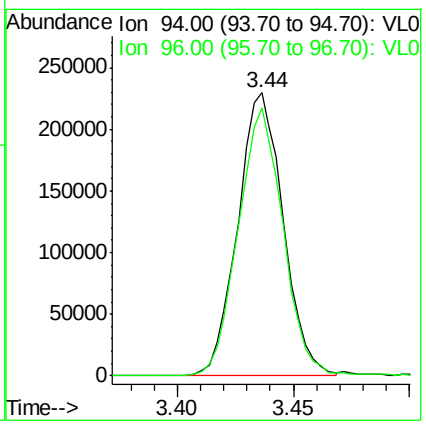


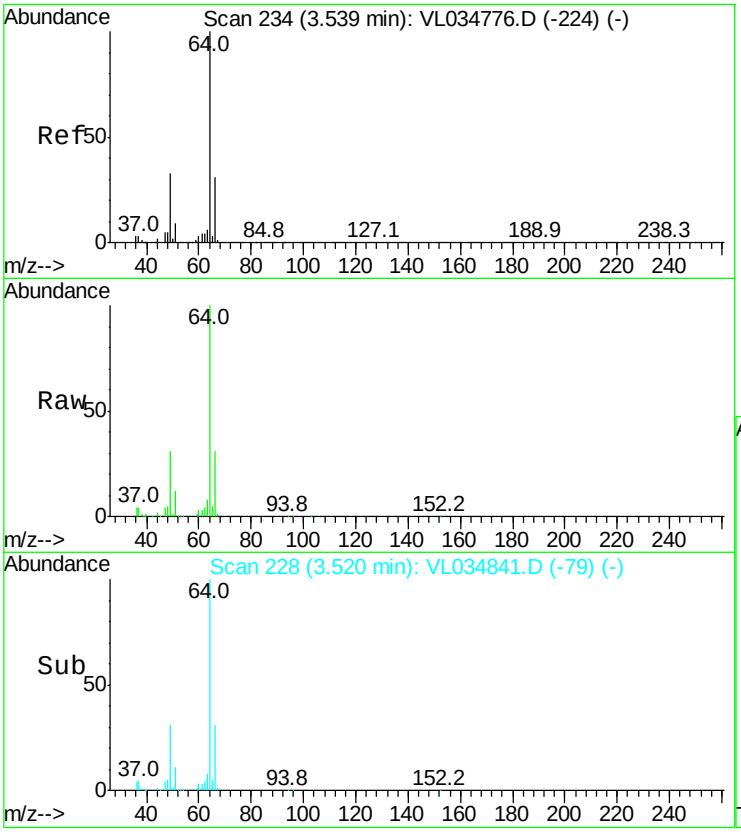


#6
Bromomethane
Concen: 9.286 ppbv
RT: 3.44 min Scan# 202
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 94 Resp: 312360

Ion	Ratio	Lower	Upper
94	100		
96	94.4	70.0	105.0



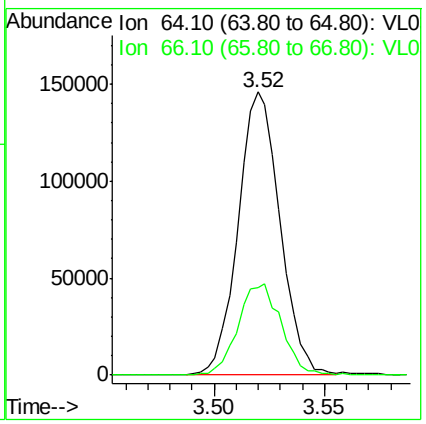


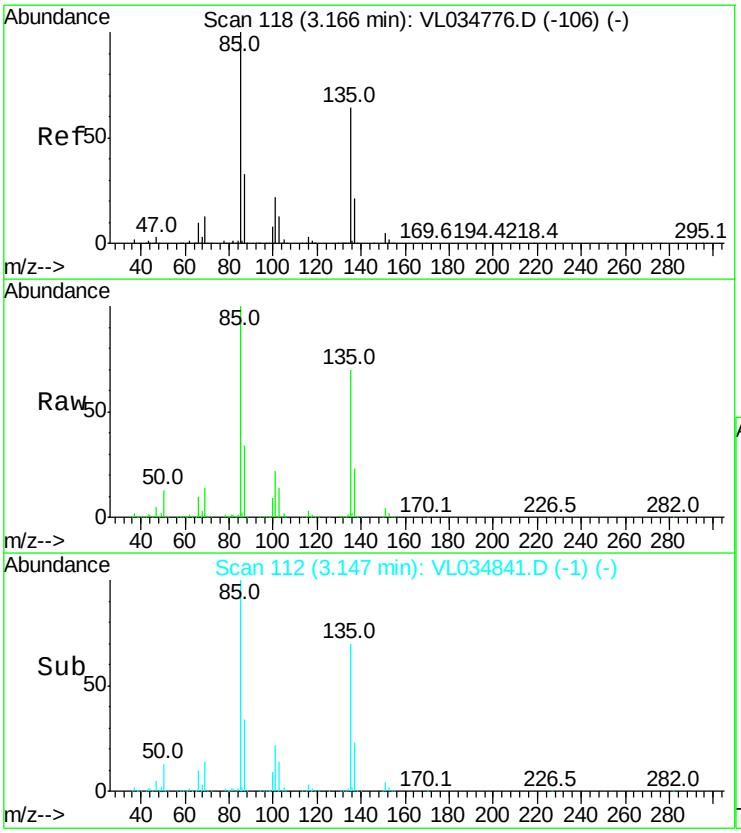
#7
Chloroethane
Concen: 9.026 ppbv
RT: 3.52 min Scan# 228
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 192333

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.8	37.2

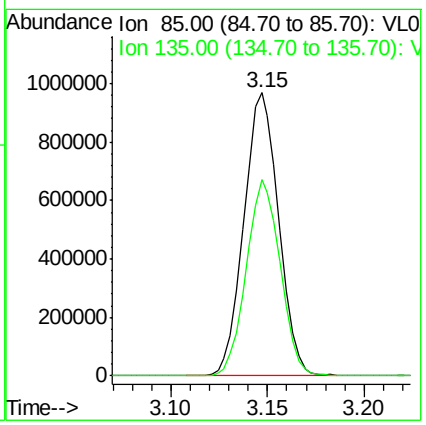


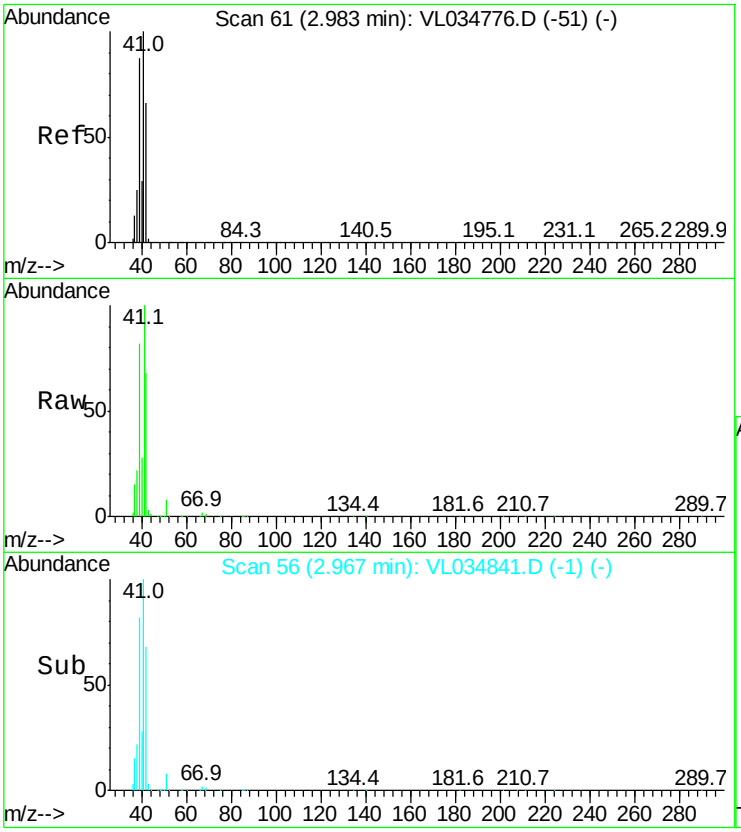


#8
Dichlorotetrafluoroethane
Concen: 8.988 ppbv
RT: 3.15 min Scan# 112
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 85 Resp: 1211388

Ion	Ratio	Lower	Upper
85	100		
135	67.9	49.4	74.2



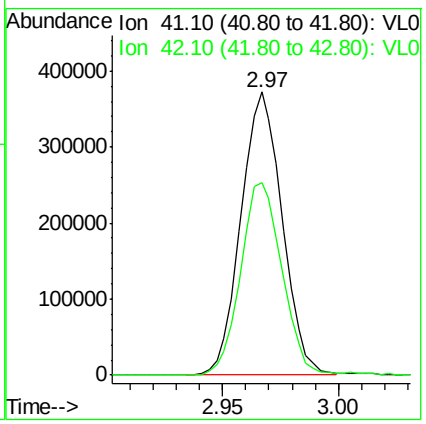


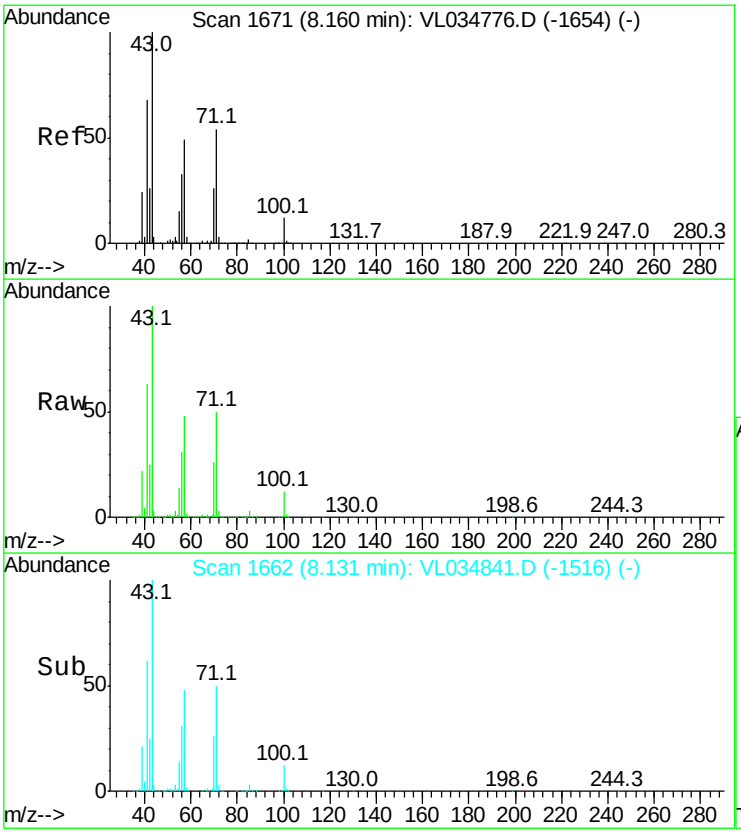
#9
Propene
Concen: 10.794 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 460177

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.6	83.4

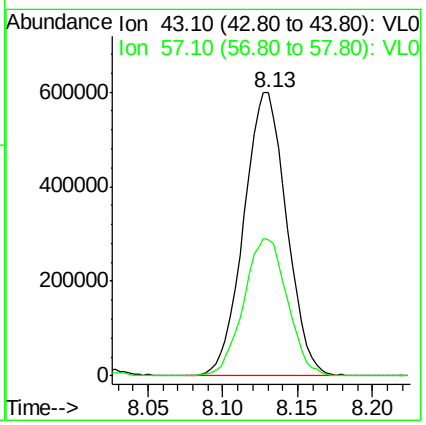


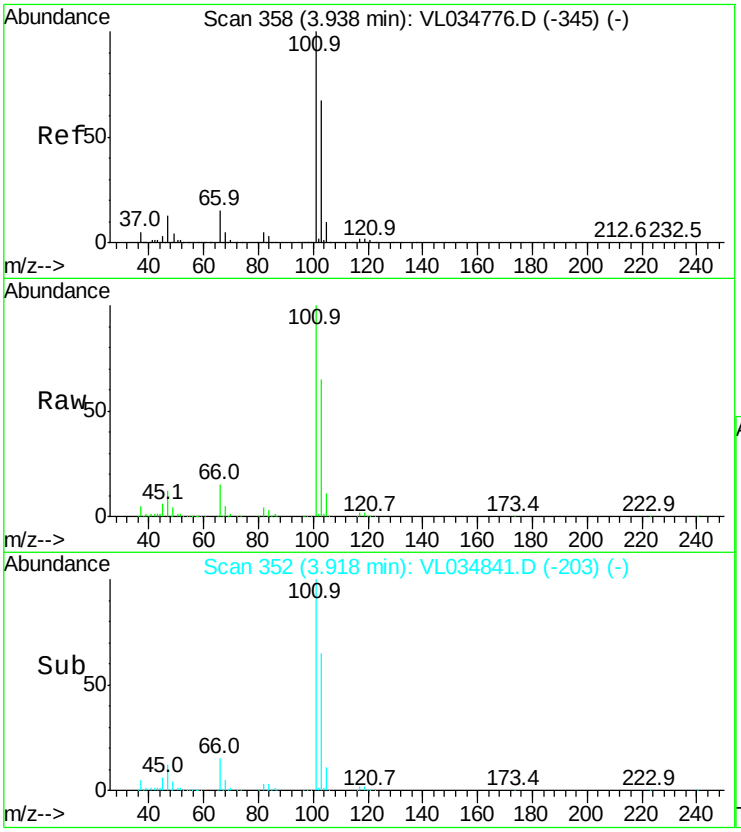


#10
Heptane
Concen: 10.972 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1188718

Ion	Ratio	Lower	Upper
43	100		
57	49.6	40.5	60.7



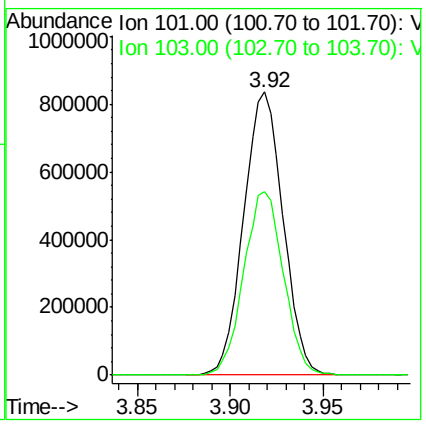


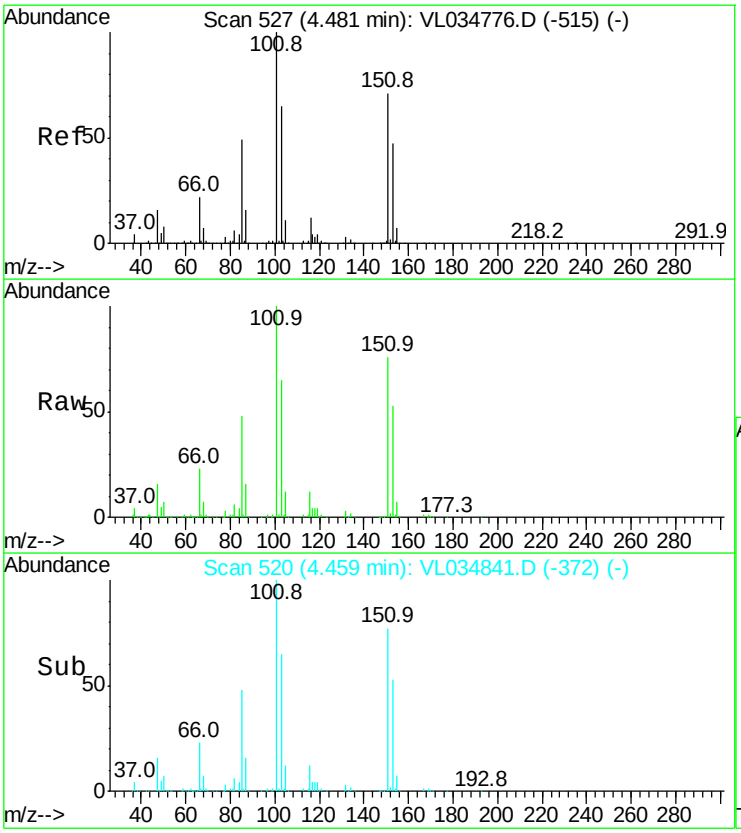
#11
Trichlorofluoromethane
Concen: 8.899 ppbv
RT: 3.92 min Scan# 352
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1235433

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.6	80.4

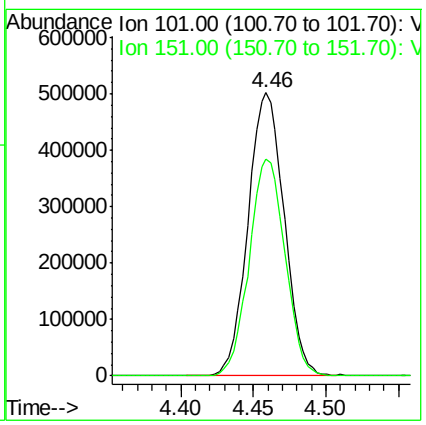


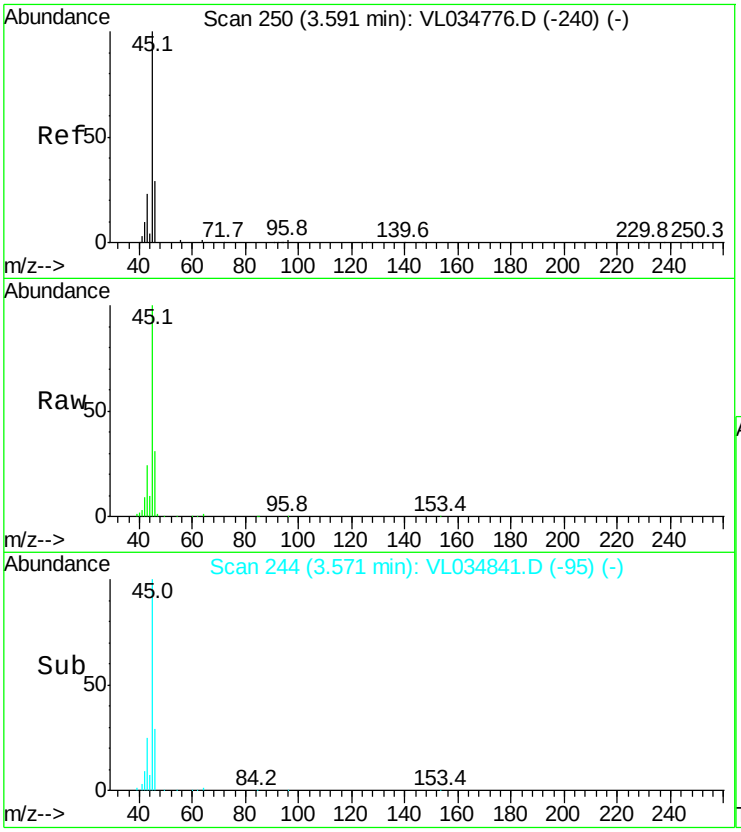


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.114 ppbv
RT: 4.46 min Scan# 520
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:101 Resp: 873018

Ion	Ratio	Lower	Upper
101	100		
151	76.0	56.6	85.0



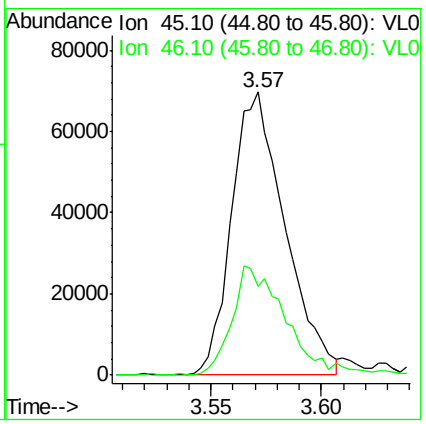


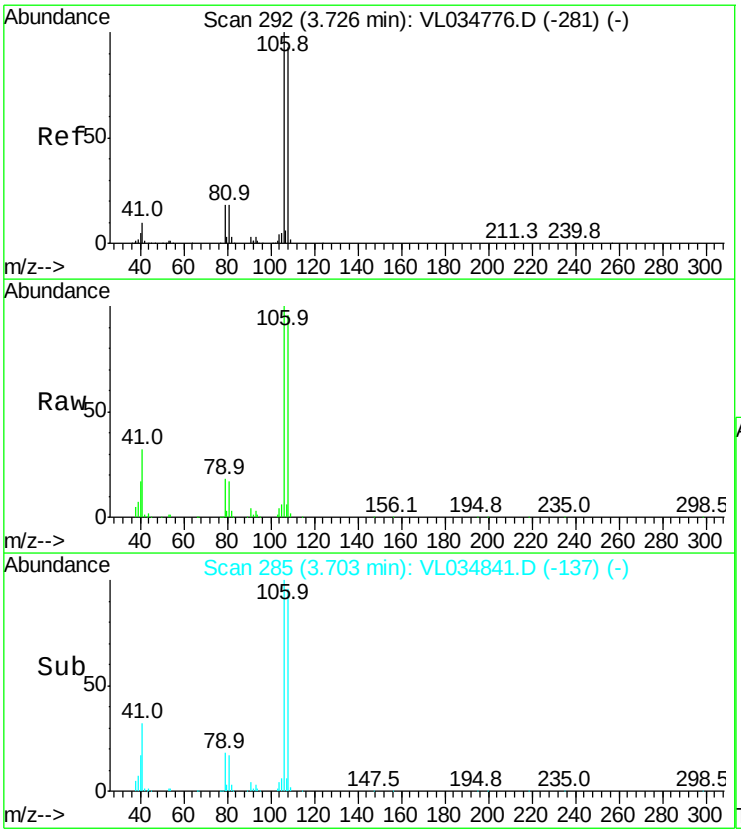
#13
Ethanol
Concen: 8.022 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 117181

Ion	Ratio	Lower	Upper
45	100		
46	40.0	14.7	58.9

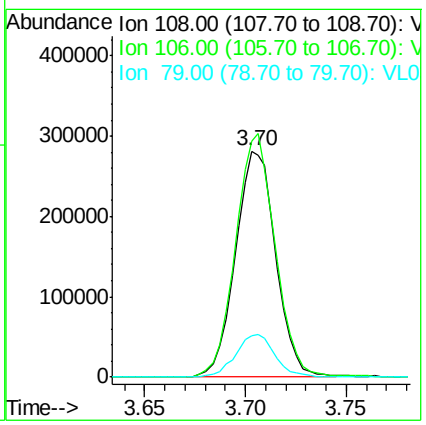


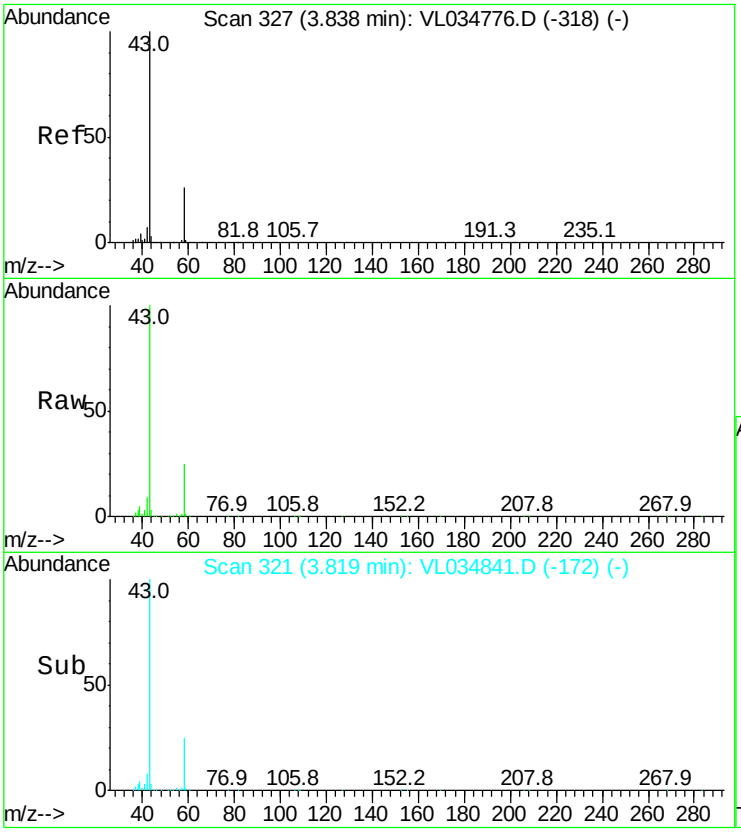


#14
Bromoethene
Concen: 10.007 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:108 Resp: 393320

Ion	Ratio	Lower	Upper
108	100		
106	106.4	83.5	125.3
79	18.4	15.6	23.4



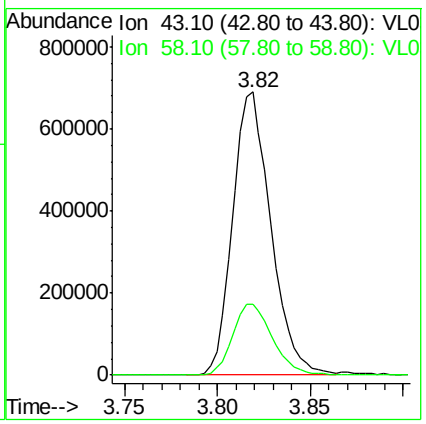


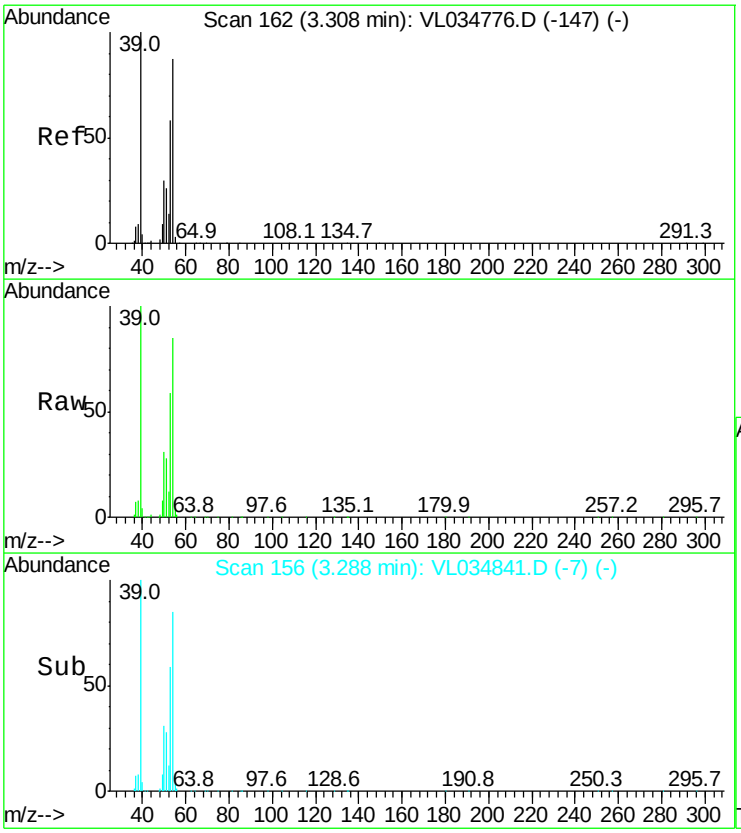
#15
Acetone
Concen: 8.666 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 986498

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.0	31.6

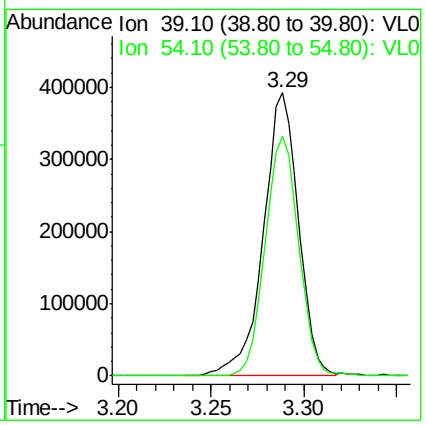


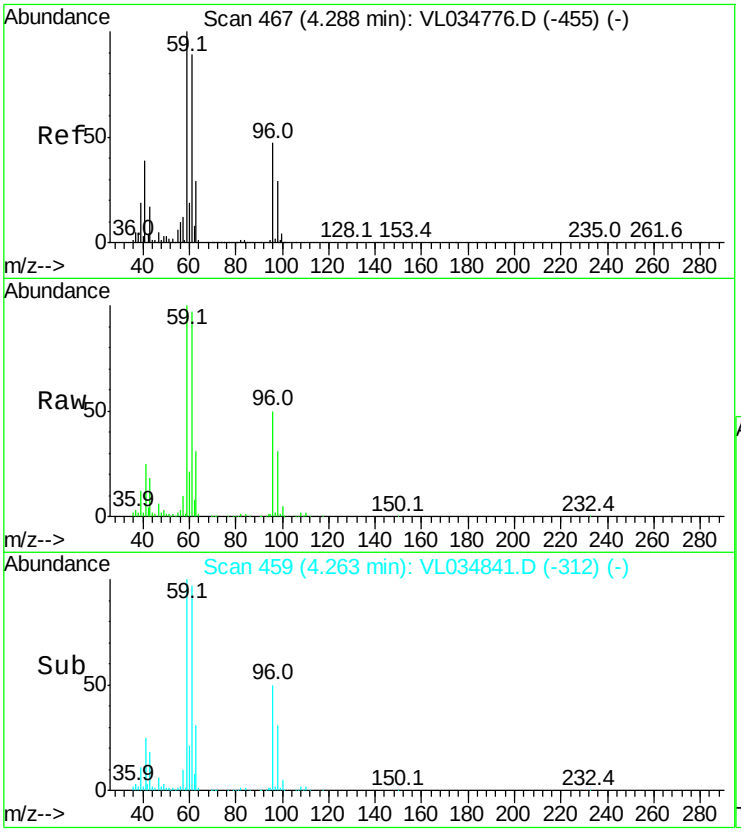


#16
1,3-Butadiene
Concen: 10.007 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 39 Resp: 515405

Ion	Ratio	Lower	Upper
39	100		
54	81.3	64.2	96.2



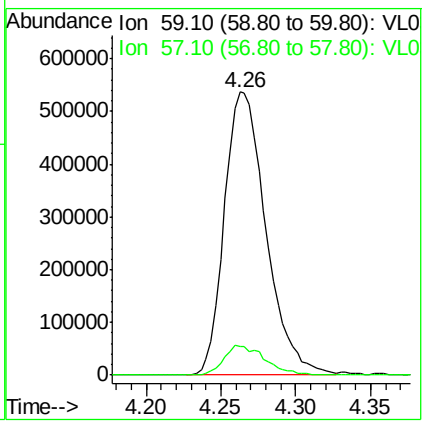


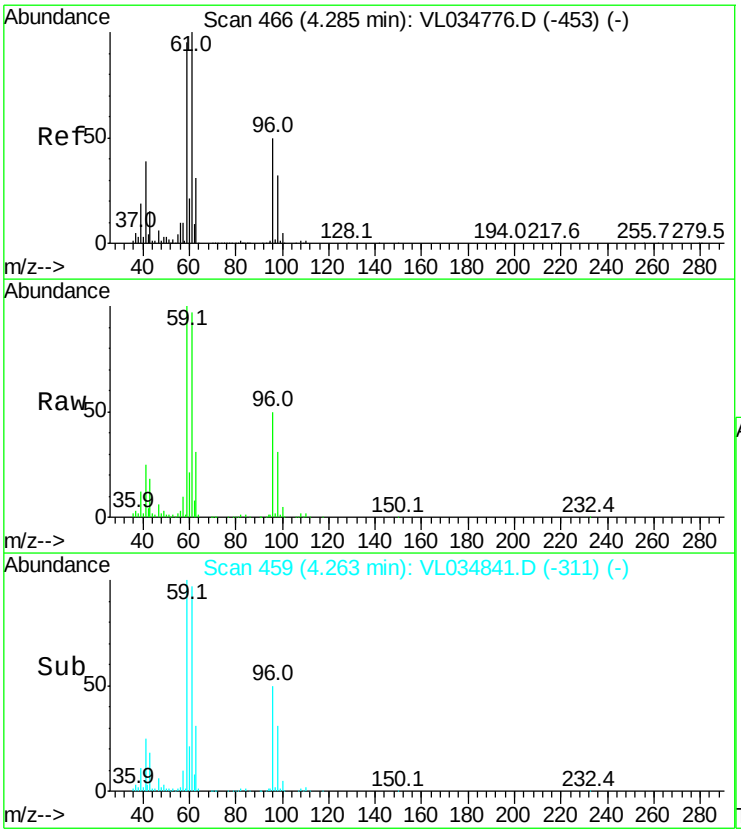
#17
tert-Butyl alcohol
Concen: 11.587 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1040069

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0

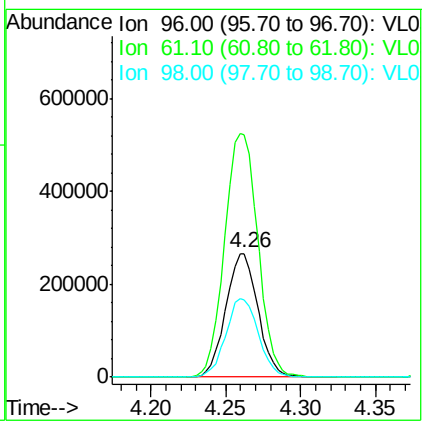


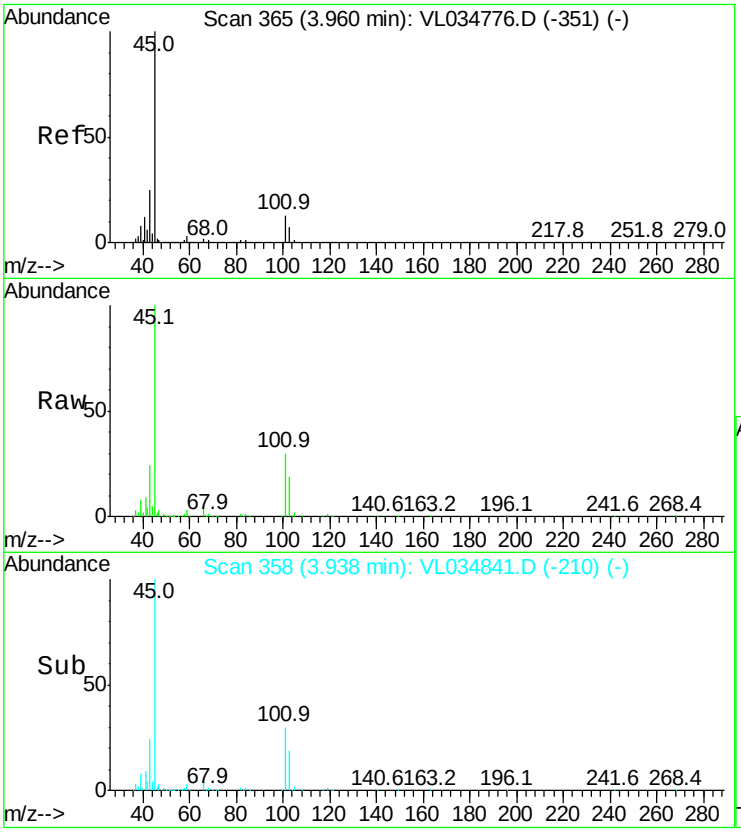


#18
1,1-Dichloroethene
Concen: 9.425 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 96 Resp: 398136

Ion	Ratio	Lower	Upper
96	100		
61	196.6	159.5	239.3
98	62.8	51.1	76.7



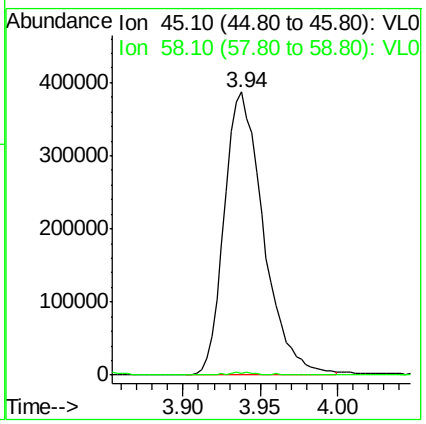


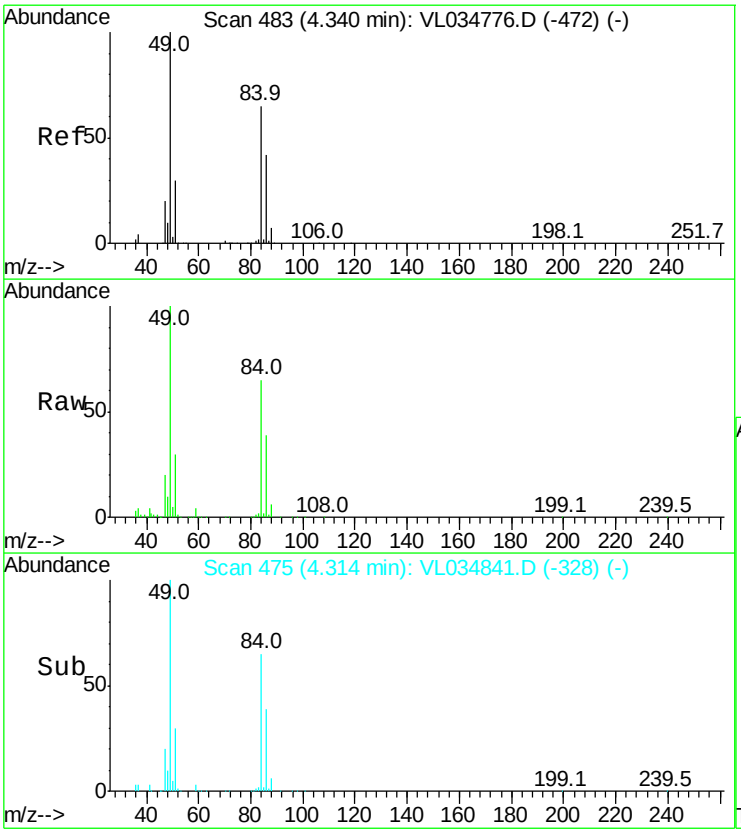
#19
Isopropyl Alcohol
Concen: 9.965 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 679728

Ion	Ratio	Lower	Upper
45	100		
58	38.1	1.8	2.8#

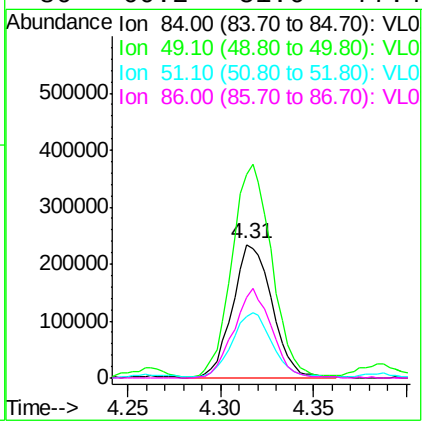


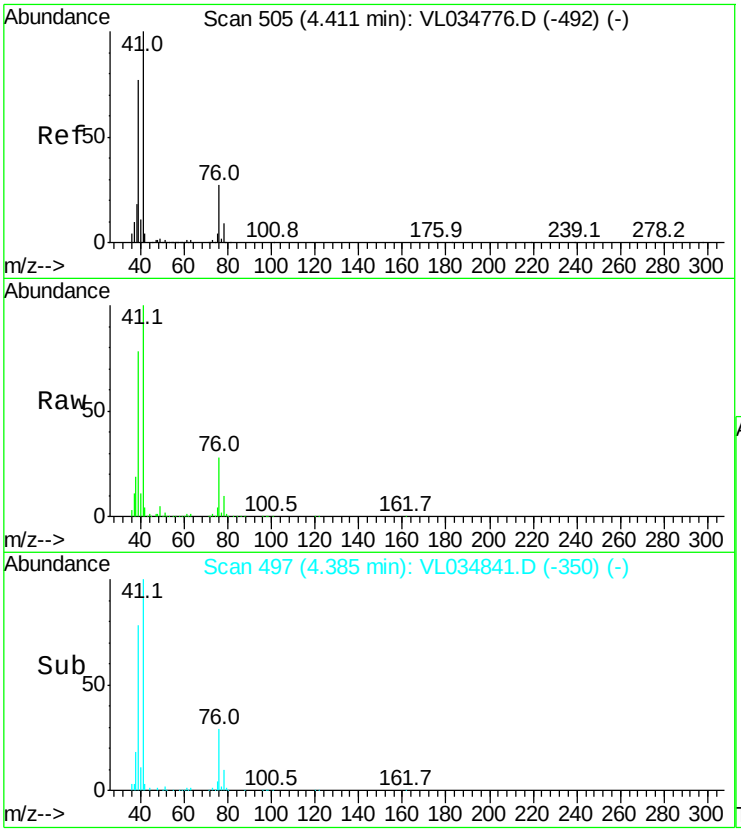


#20
Methylene Chloride
Concen: 8.523 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 346274

Ion	Ratio	Lower	Upper
84	100		
49	151.9	123.2	184.8
51	45.8	37.4	56.2
86	60.2	51.6	77.4



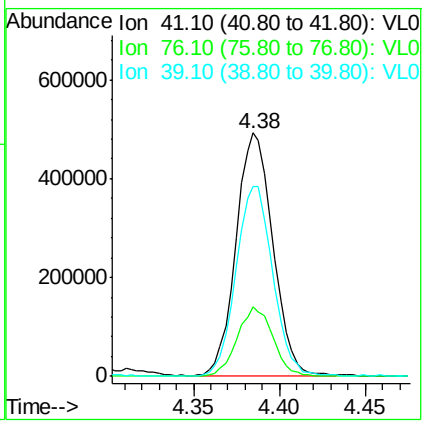


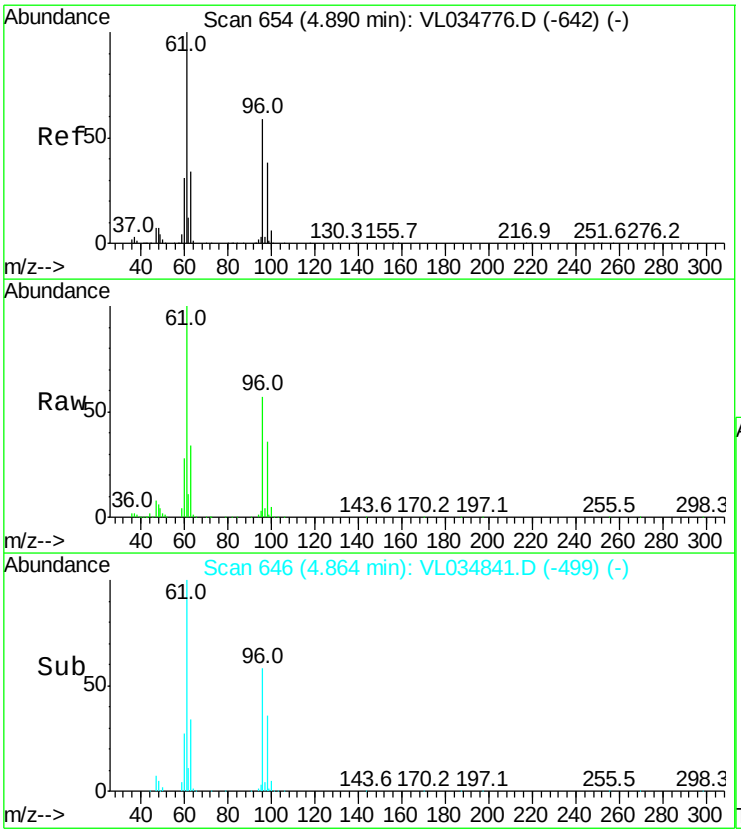
#21
Allyl Chloride
Concen: 10.154 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 732006

Ion	Ratio	Lower	Upper
41	100		
76	27.7	22.5	33.7
39	78.2	65.0	97.6

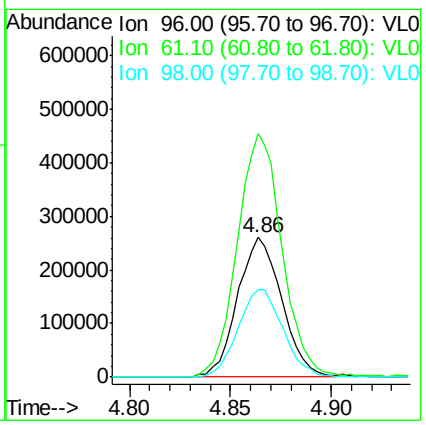


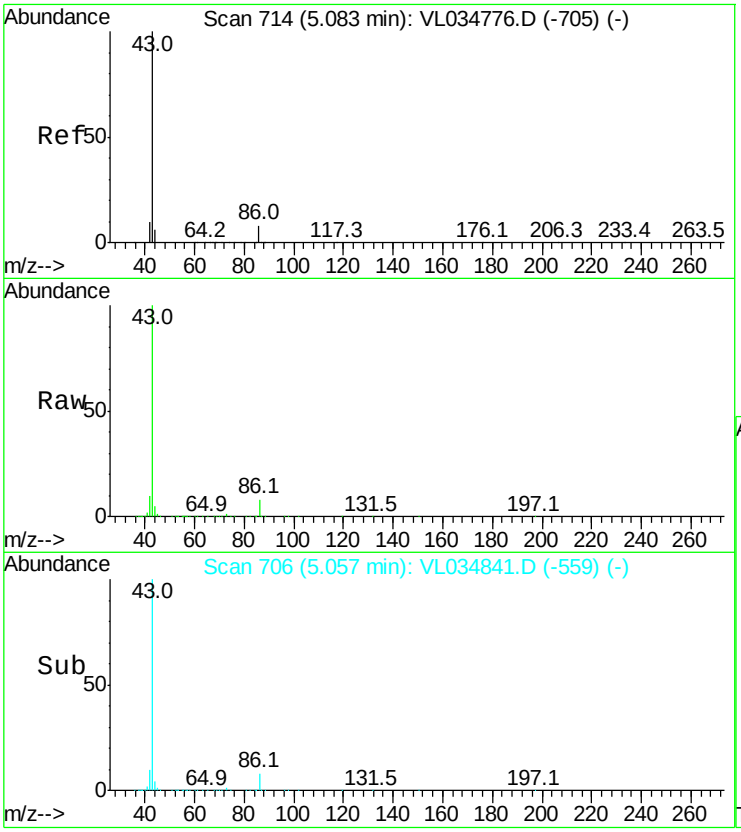


#22
trans-1,2-Dichloroethene
Concen: 9.736 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 96 Resp: 401478

Ion	Ratio	Lower	Upper
96	100		
61	173.8	135.2	202.8
98	62.9	50.8	76.2



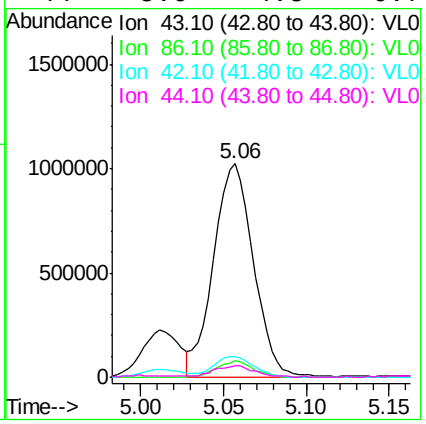


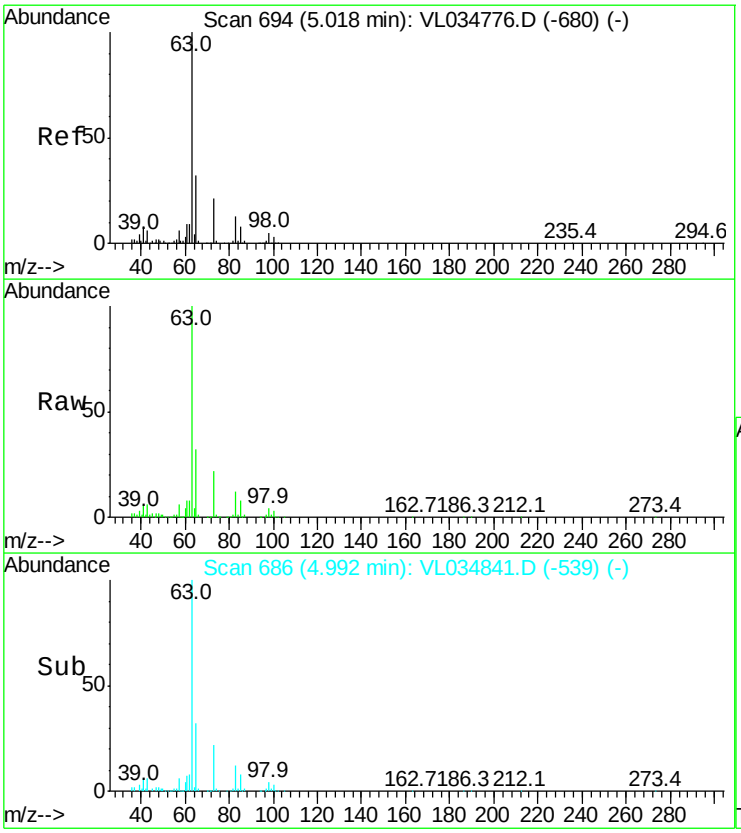
#23
Vinyl Acetate
Concen: 11.194 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1708866

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	9.8	8.2	12.2
44	5.0	4.5	6.7

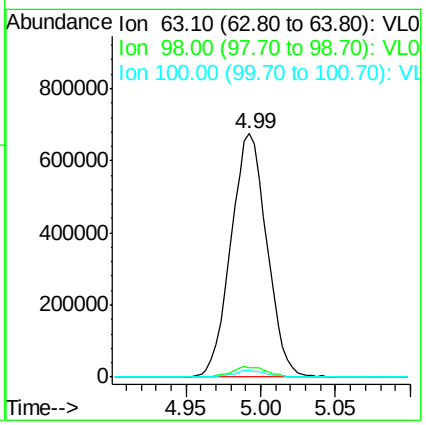


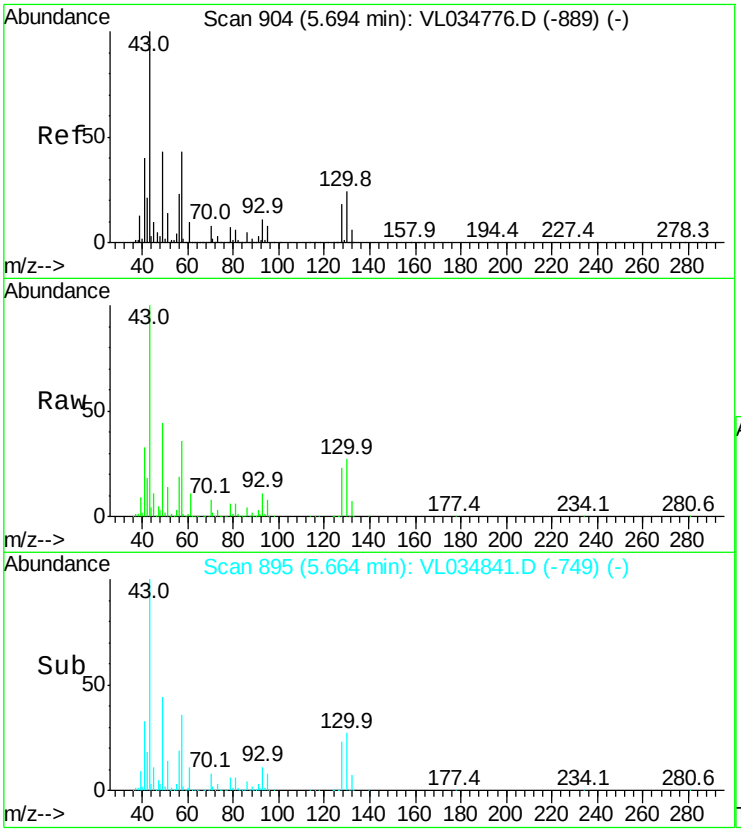


#24
1,1-Dichloroethane
Concen: 9.495 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 63 Resp: 1124960

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	2.7	1.5	4.4



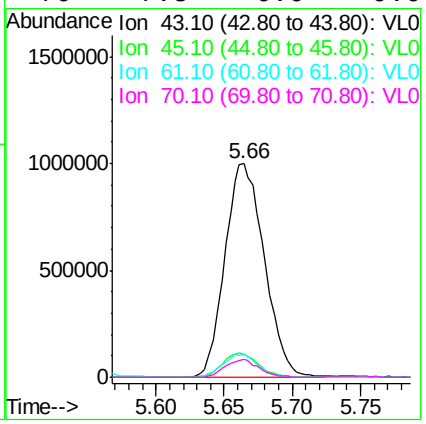


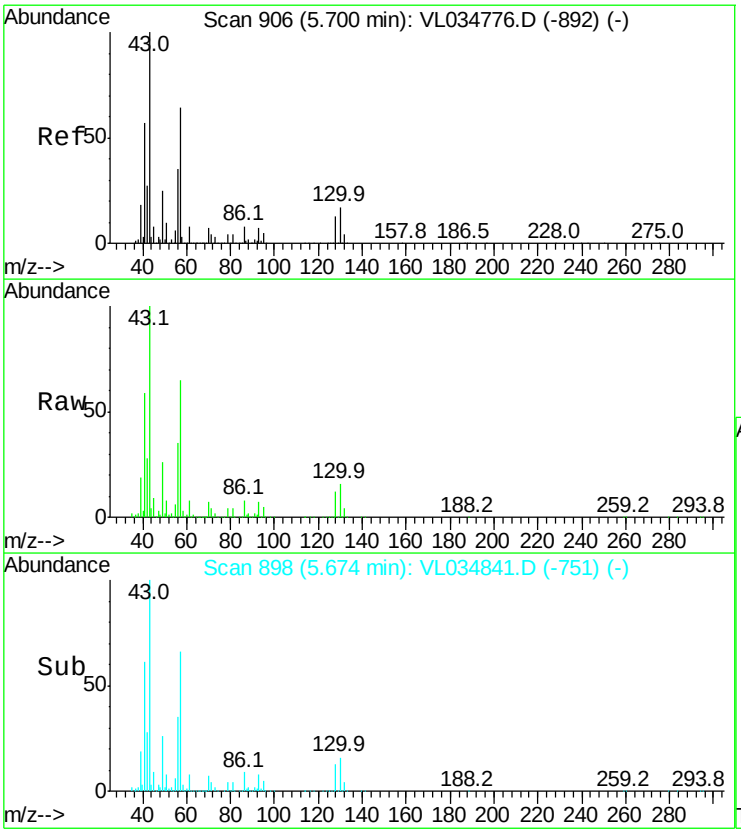
#25
Ethyl Acetate
Concen: 10.130 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1992774

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.7	7.5	11.3
70	7.3	6.0	9.0

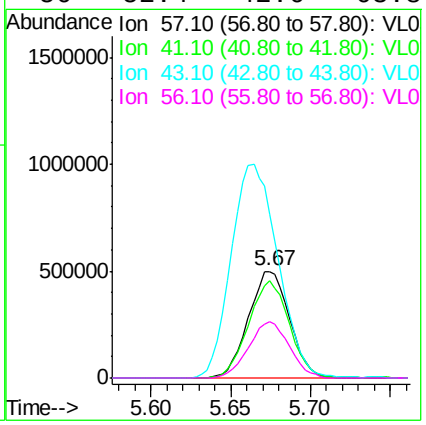


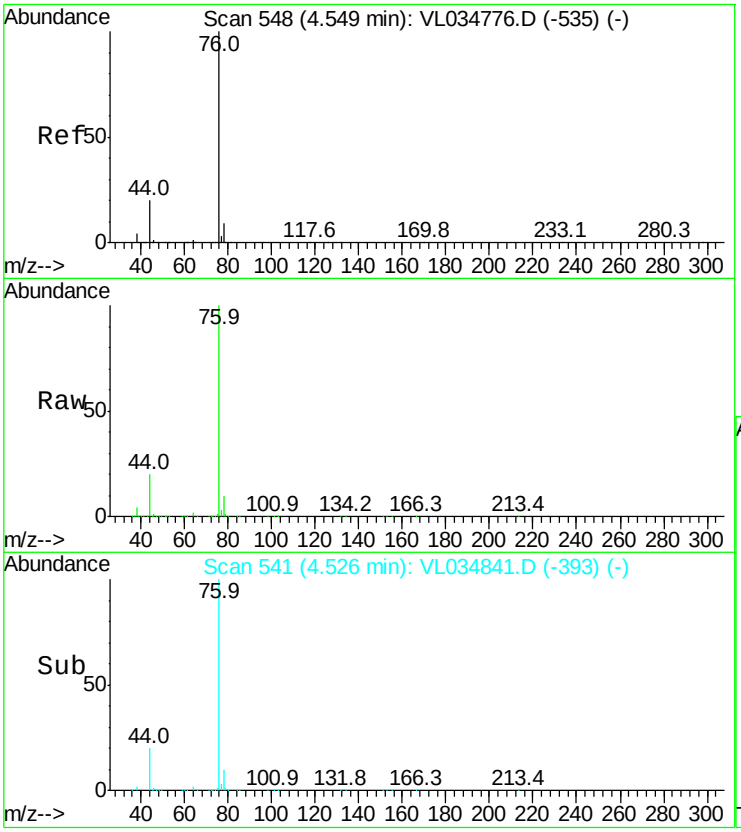


#26
Hexane
Concen: 10.231 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 57 Resp: 879290

Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.0	108.0
43	229.7	179.1	268.7
56	52.4	42.6	63.8



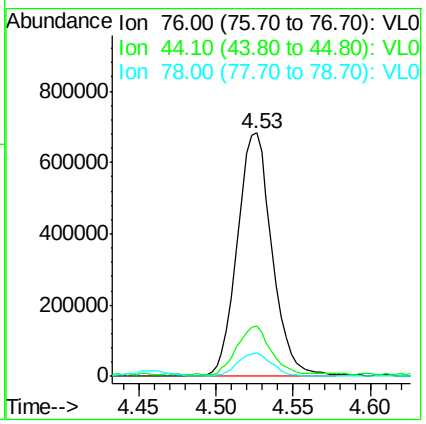


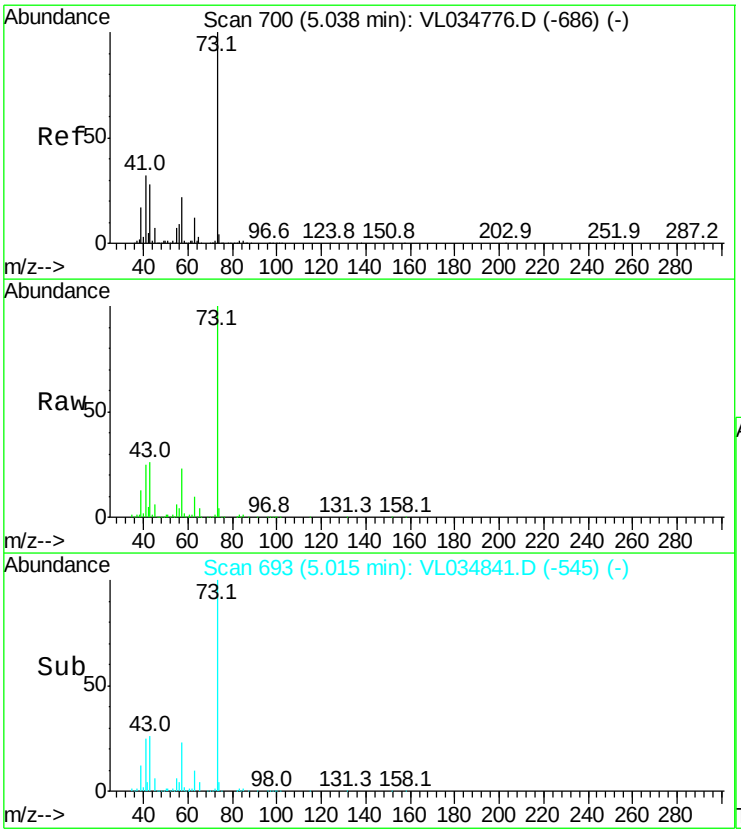
#27
Carbon Disulfide
Concen: 10.623 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1066498

Ion	Ratio	Lower	Upper
76	100		
44	20.2	16.1	24.1
78	9.7	7.5	11.3

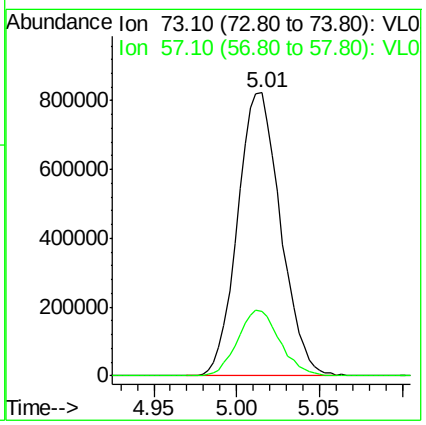


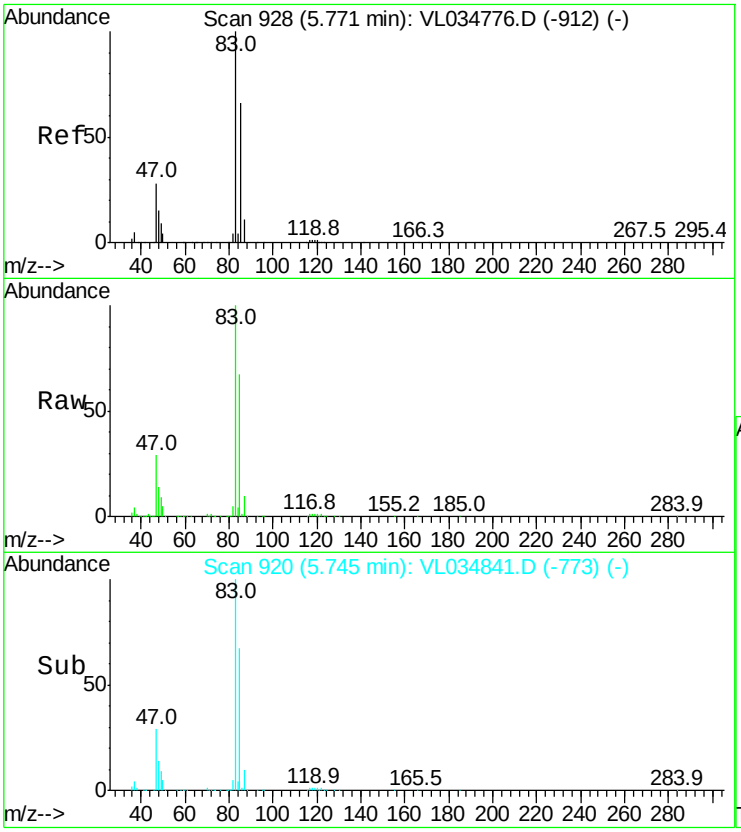


#28
Methyl tert-Butyl Ether
Concen: 11.586 ppbv
RT: 5.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 73 Resp: 1482007

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7



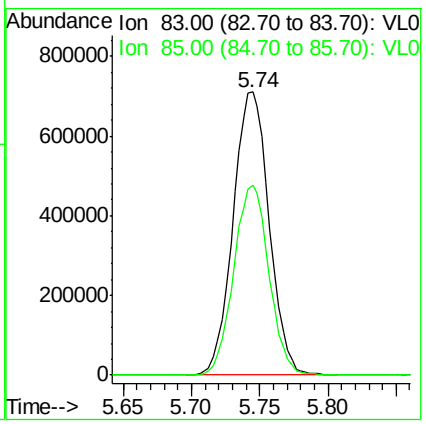


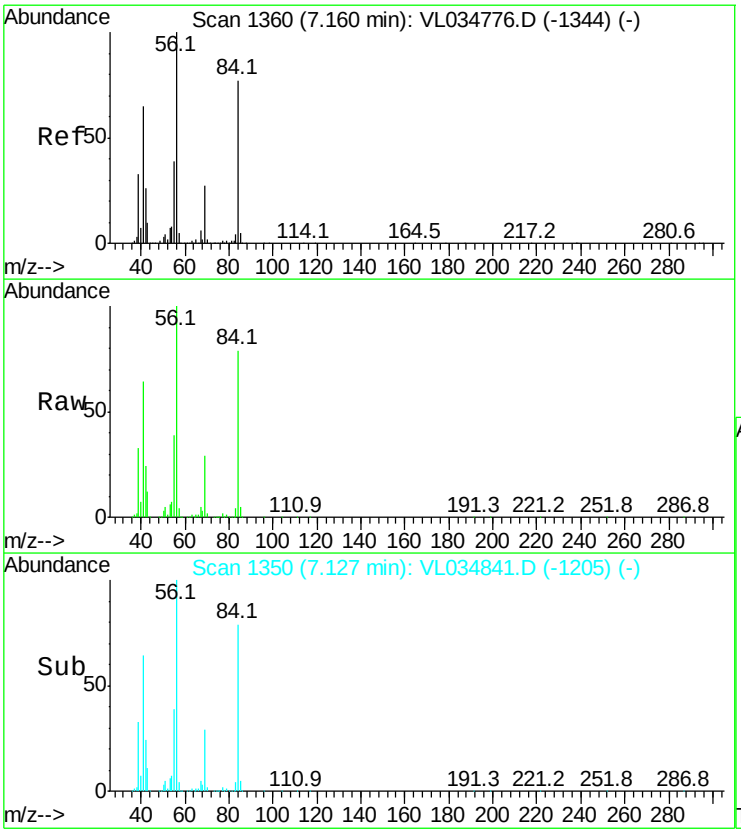
#29
Chloroform
Concen: 9.007 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1303066

Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.0	79.4

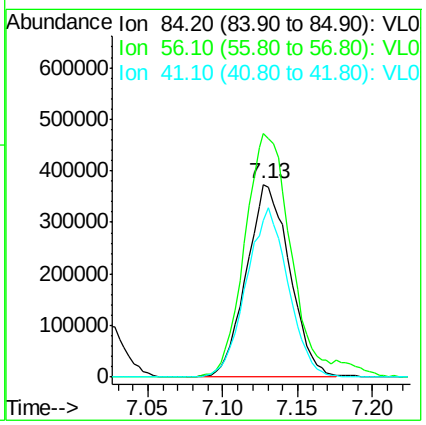


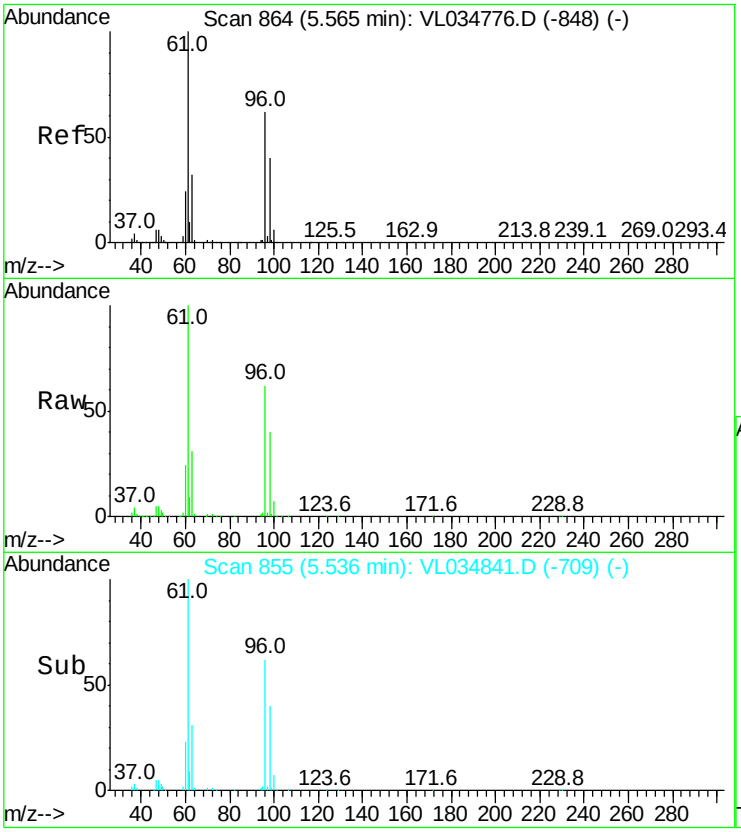


#30
Cyclohexane
Concen: 11.428 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 751354

Ion	Ratio	Lower	Upper
84	100		
56	138.1	113.2	169.8
41	85.3	70.2	105.4



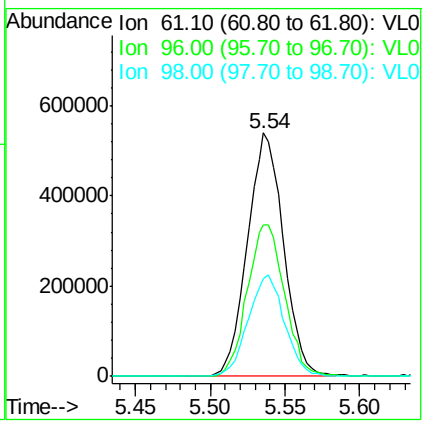


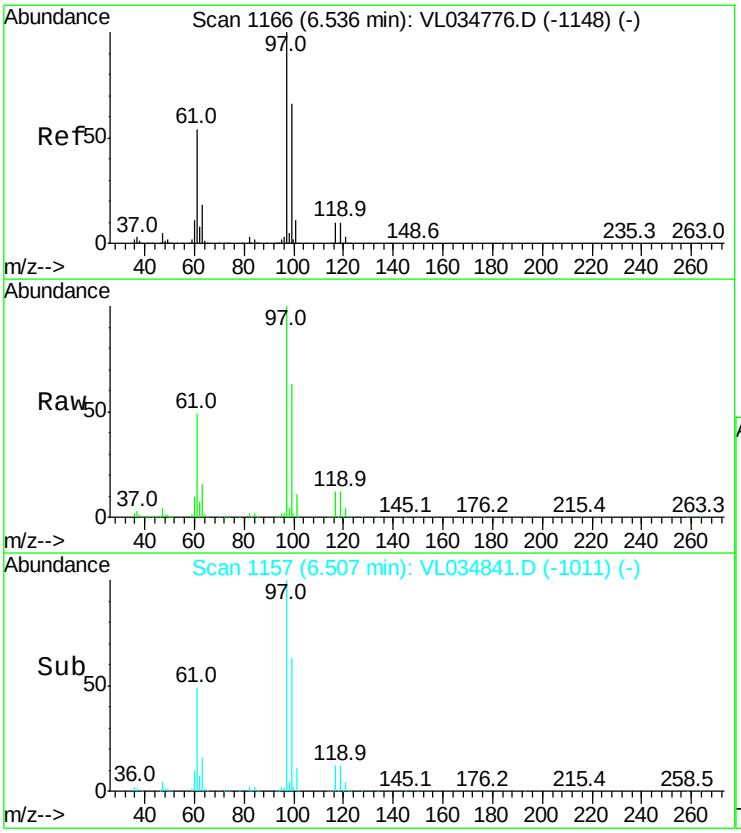
#31
cis-1,2-Dichloroethene
Concen: 10.287 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 906803

Ion	Ratio	Lower	Upper
61	100		
96	62.3	49.7	74.5
98	40.3	31.9	47.9

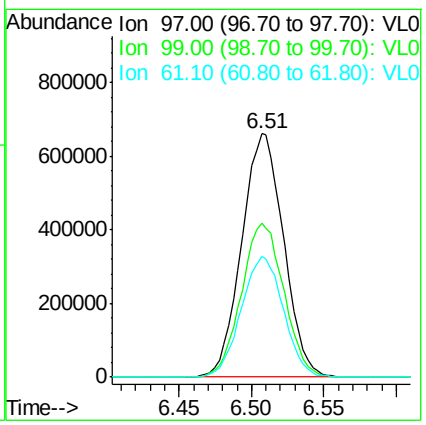


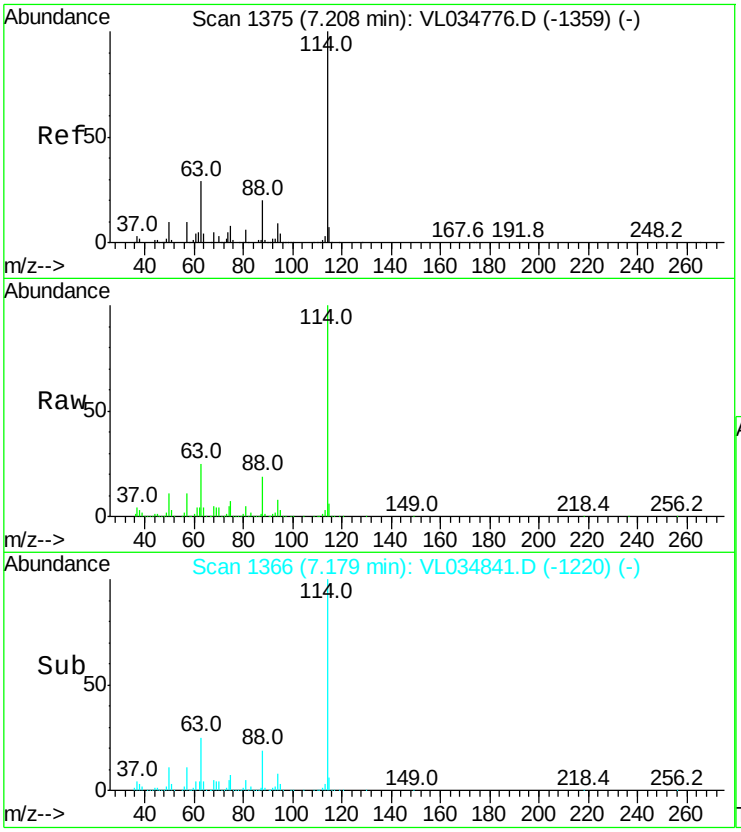


#32
1,1,1-Trichloroethane
Concen: 9.316 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 97 Resp: 1331762

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	49.6	43.4	65.0



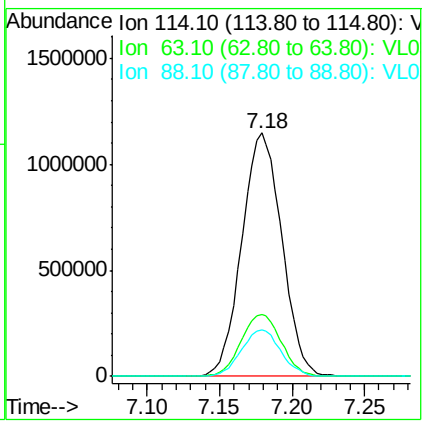


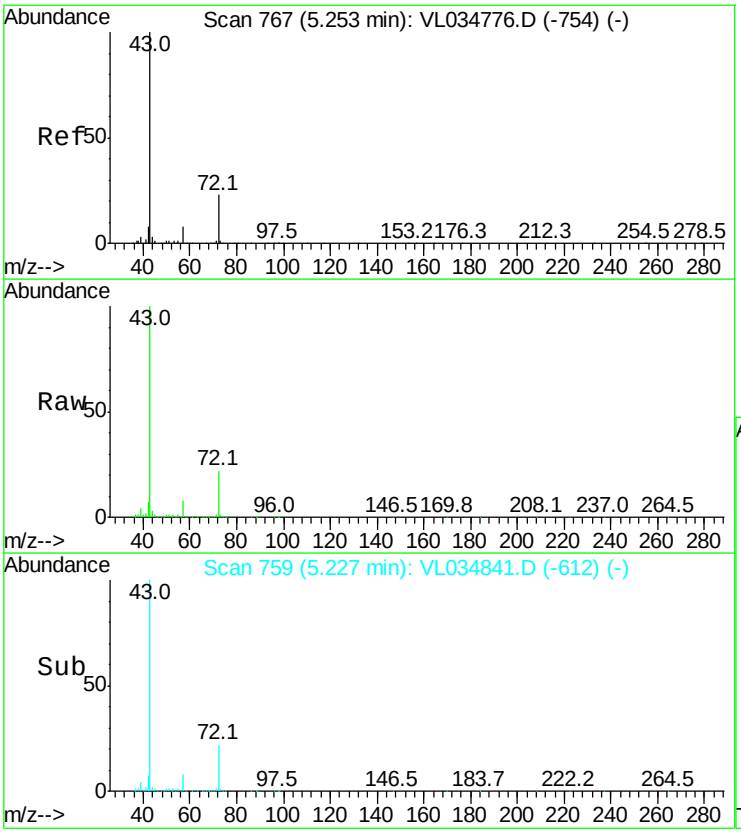
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2207975

Ion	Ratio	Lower	Upper
114	100		
63	25.8	23.6	35.4
88	18.8	15.8	23.8

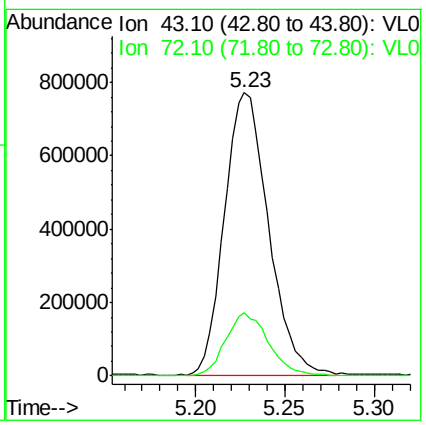


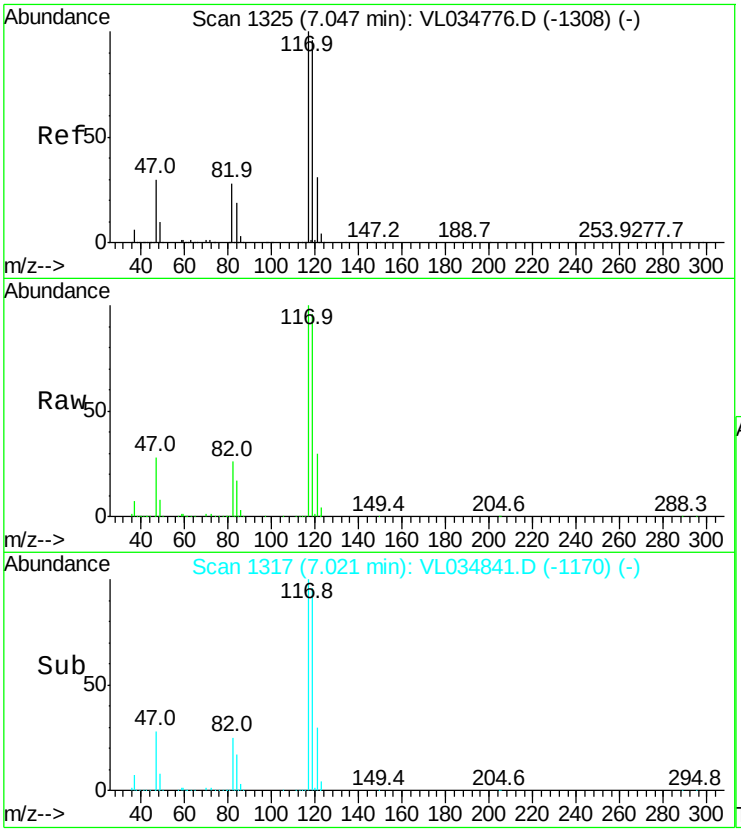


#34
2-Butanone
Concen: 9.189 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1320024

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.5	26.3



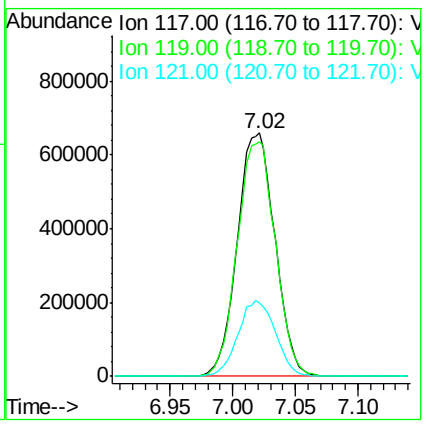


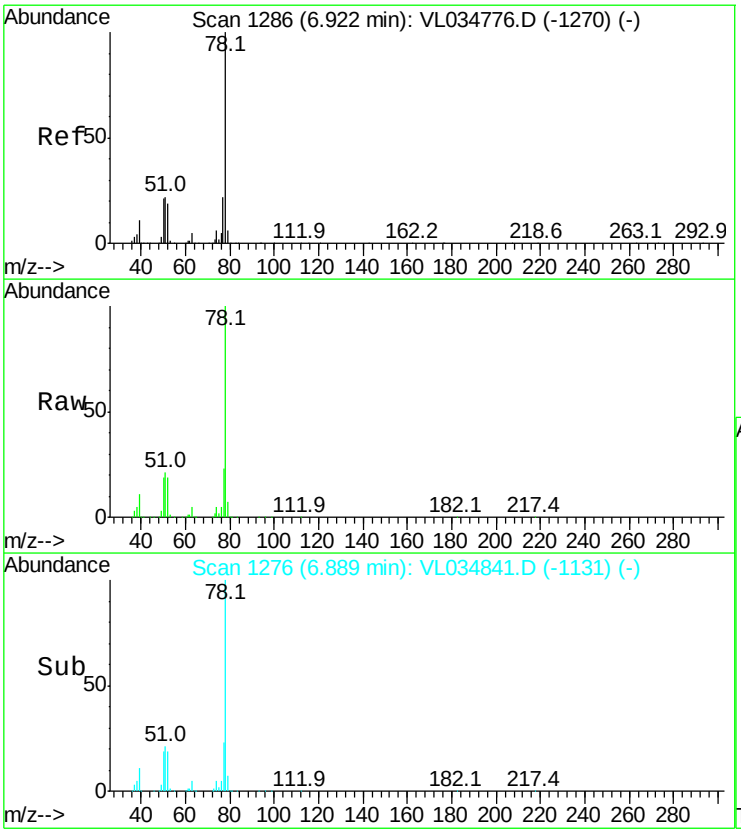
#35
Carbon Tetrachloride
Concen: 8.233 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 1371726

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	30.0	24.6	37.0

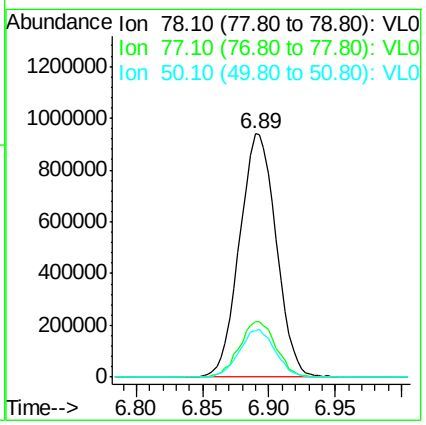


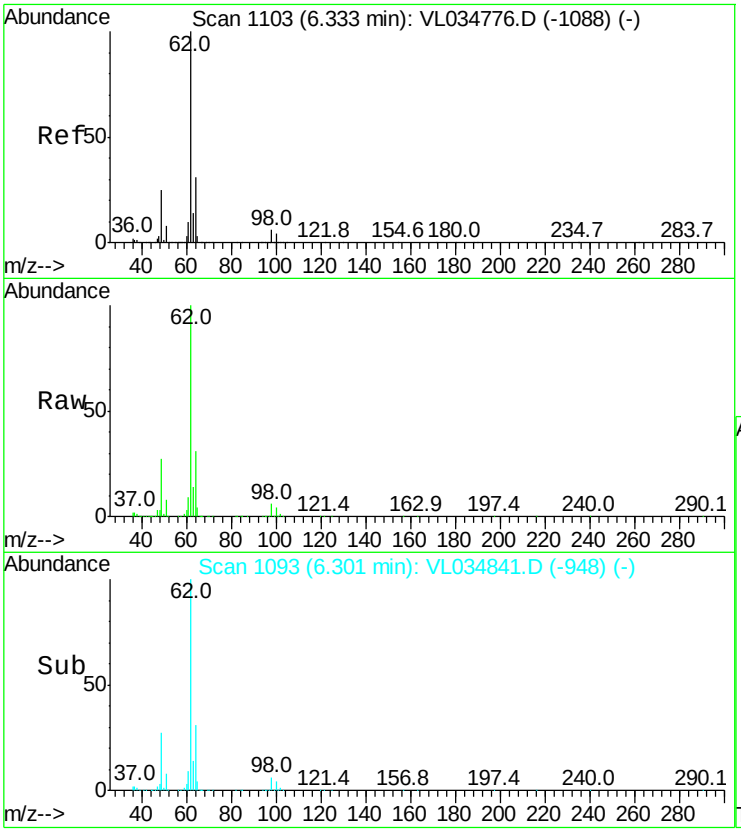


#36
Benzene
Concen: 9.565 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 78 Resp: 1804613

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.0	27.0
50	19.0	16.9	25.3



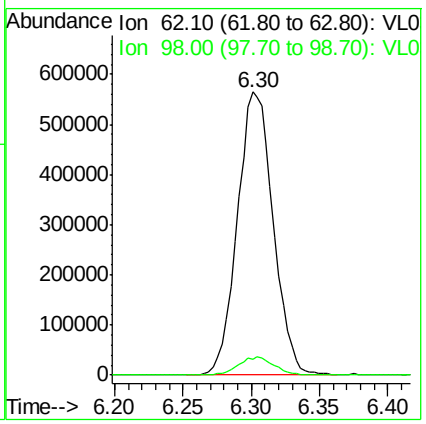


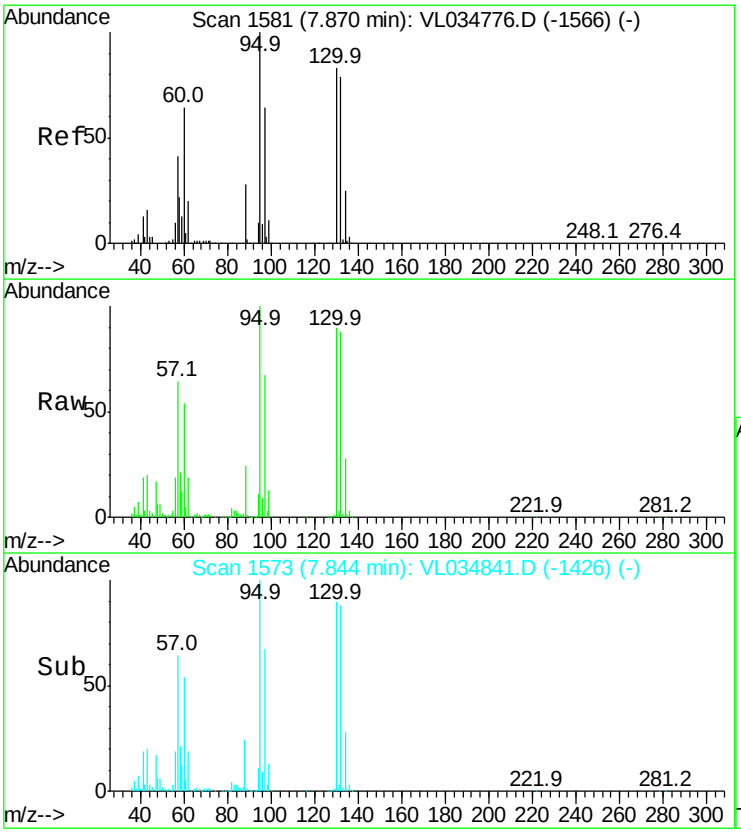
#37
1,2-Dichloroethane
Concen: 7.985 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1029103

Ion	Ratio	Lower	Upper
62	100		
98	6.5	4.4	6.6

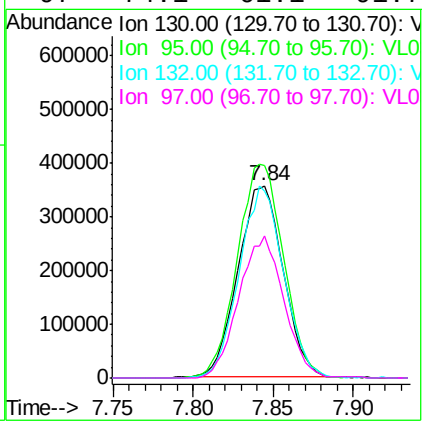


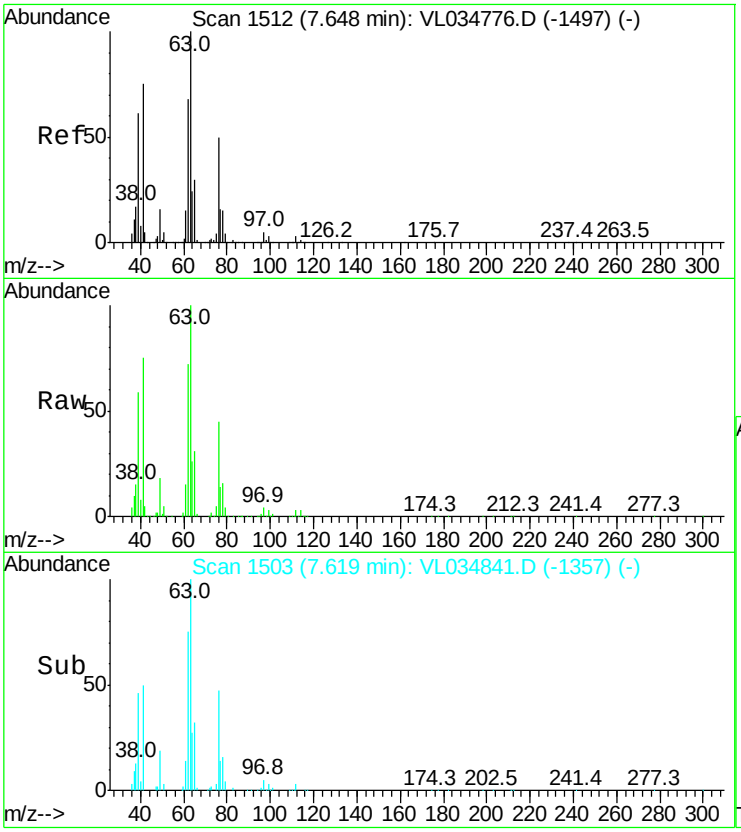


#38
Trichloroethene
Concen: 9.353 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:130 Resp: 687795

Ion	Ratio	Lower	Upper
130	100		
95	110.6	95.8	143.8
132	97.5	76.1	114.1
97	74.1	61.1	91.7



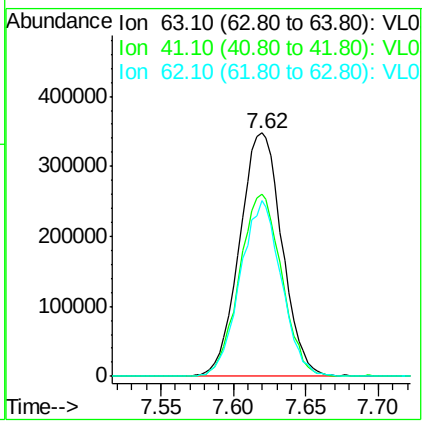


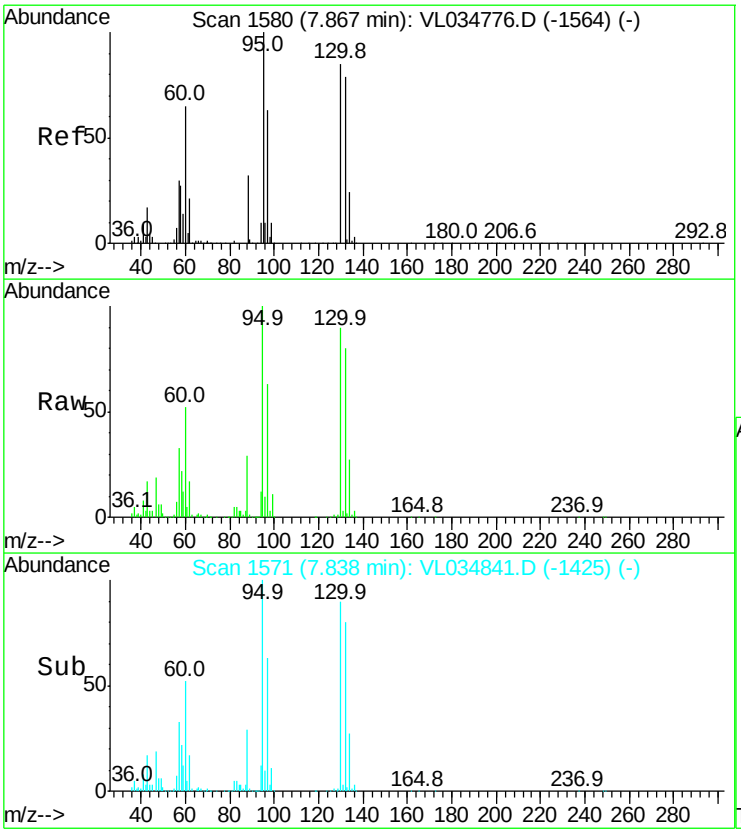
#39
1,2-Dichloropropane
Concen: 9.296 ppbv
RT: 7.62 min Scan# 1503
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 707816

Ion	Ratio	Lower	Upper
63	100		
41	74.8	60.3	90.5
62	72.0	54.5	81.7

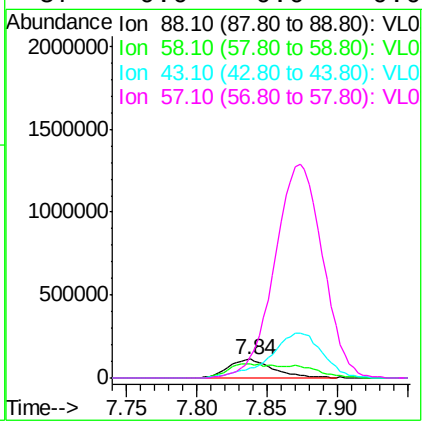


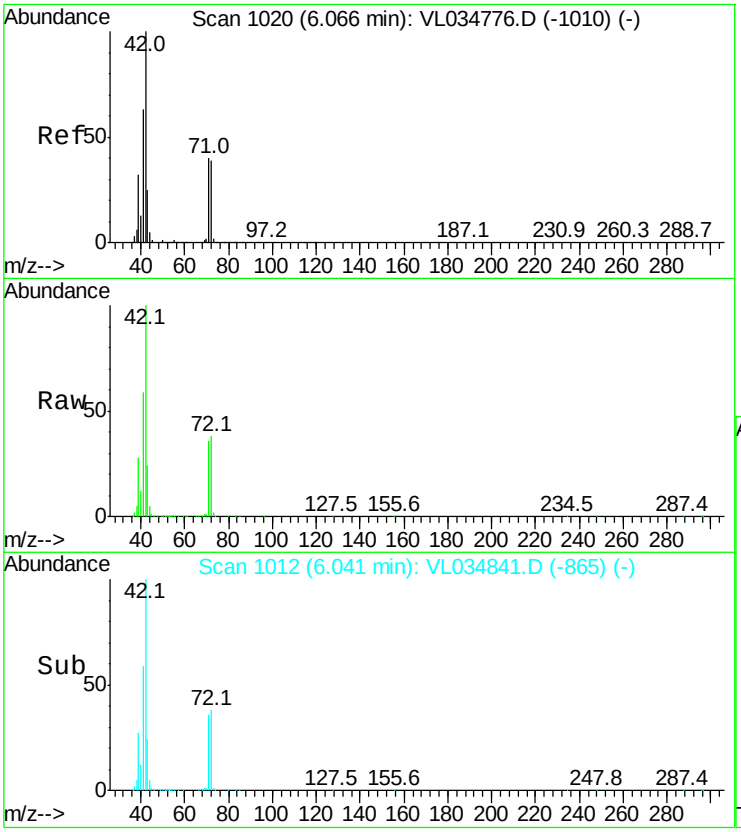


#40
1,4-Dioxane
Concen: 9.623 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 88 Resp: 253420

Ion	Ratio	Lower	Upper
88	100		
58	129.9	110.6	166.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



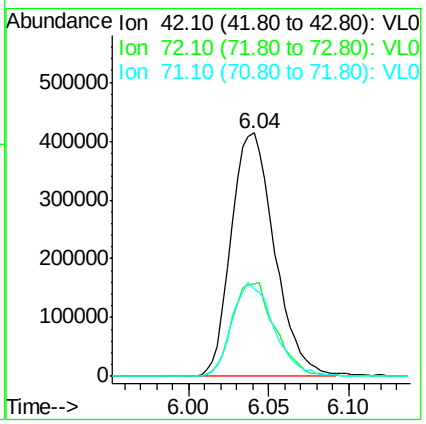


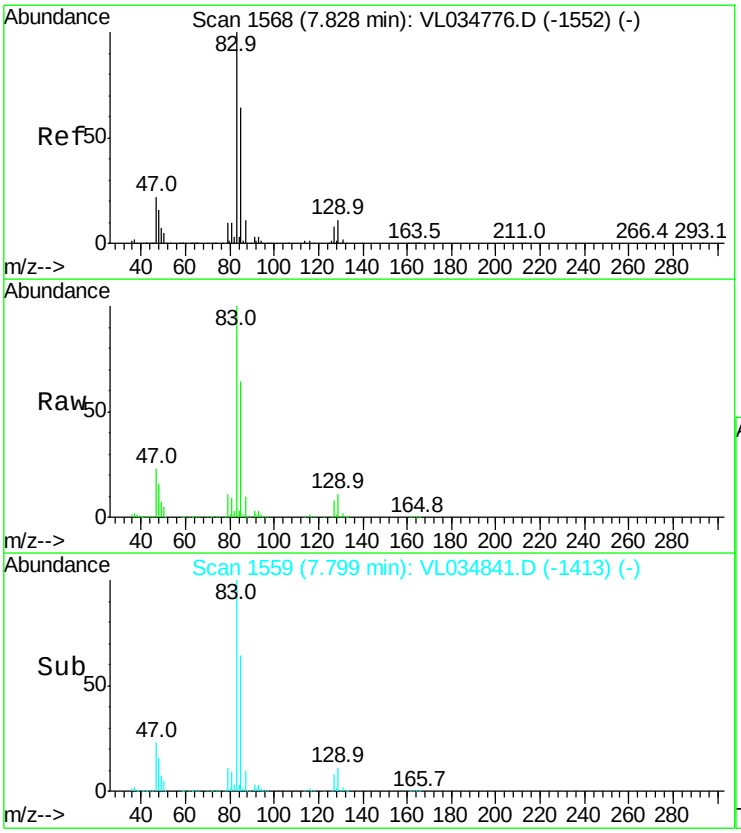
#41
Tetrahydrofuran
Concen: 10.434 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 764766

Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.0	48.0
71	37.6	31.3	46.9

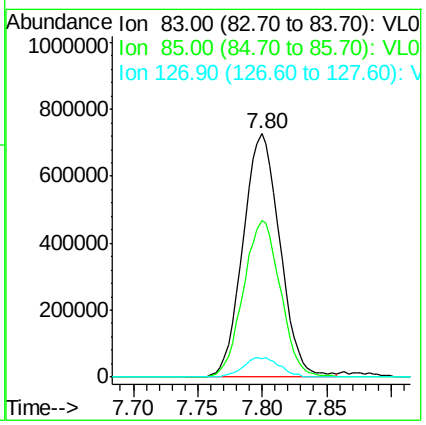


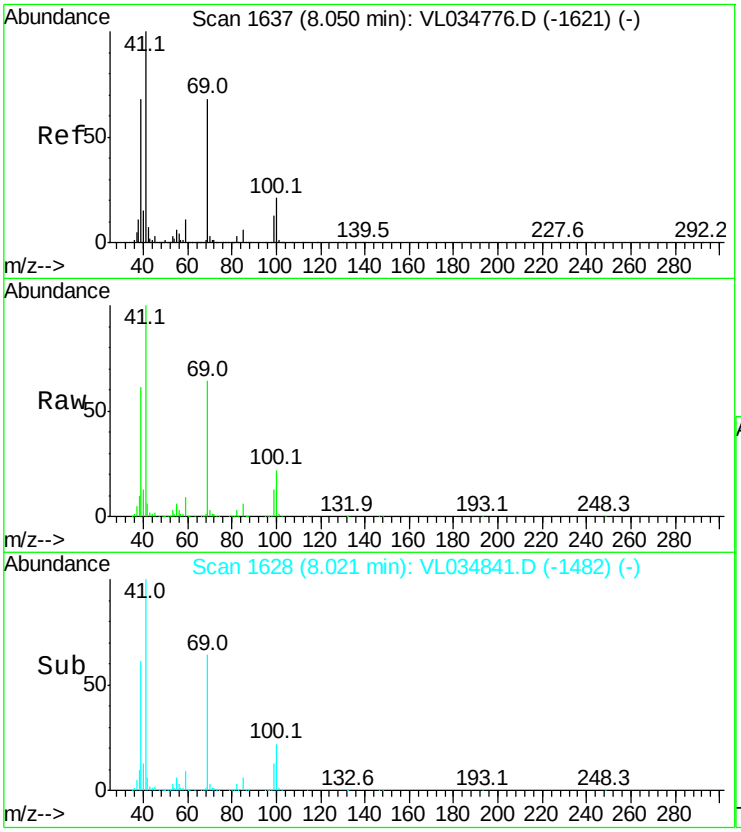


#42
Bromodichloromethane
Concen: 8.906 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 83 Resp: 1452243

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.8	76.2
127	7.8	6.5	9.7



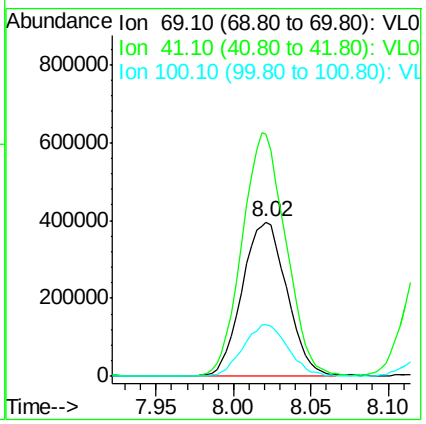


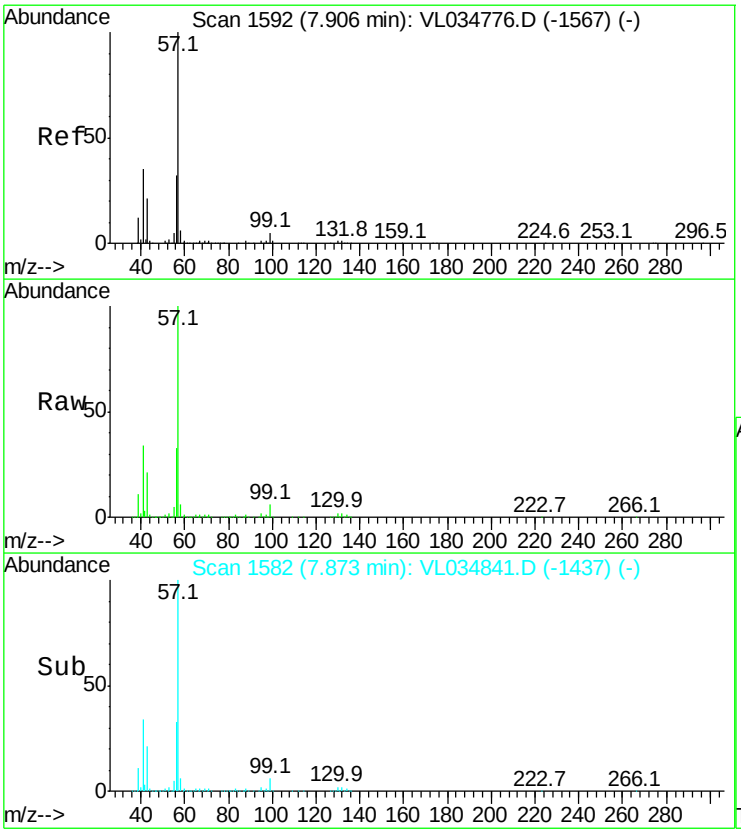
#43
Methyl Methacrylate
Concen: 9.980 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 797938

Ion	Ratio	Lower	Upper
69	100		
41	154.0	121.6	182.4
100	33.6	23.8	35.8

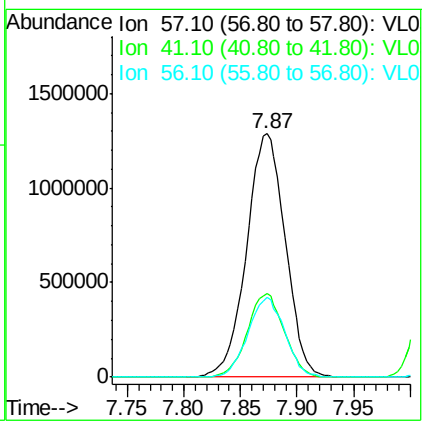


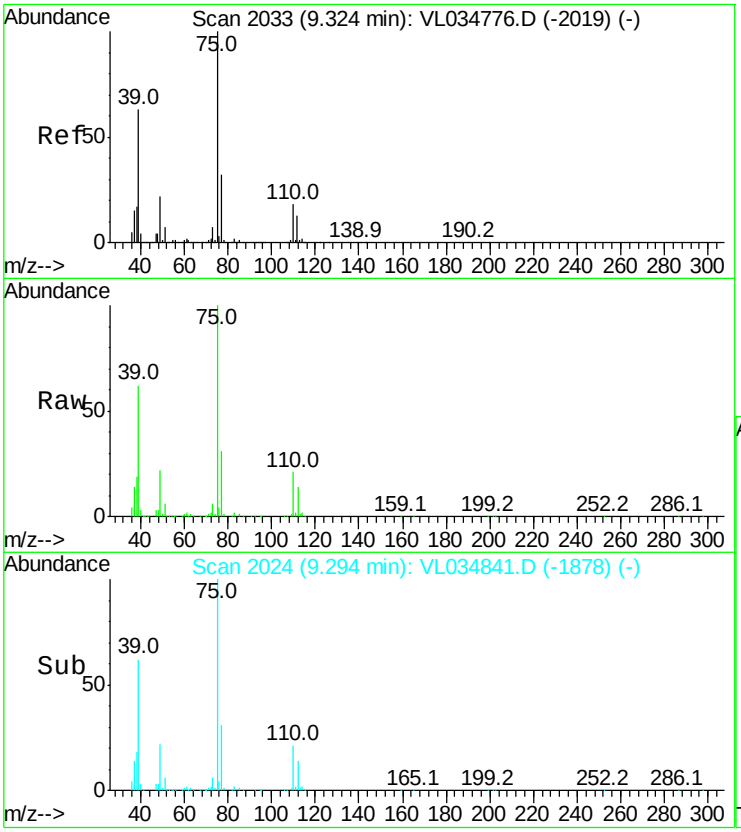


#44
2,2,4-Trimethylpentane
Concen: 9.295 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 57 Resp: 3064536

Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.4	41.0
56	31.2	25.0	37.6



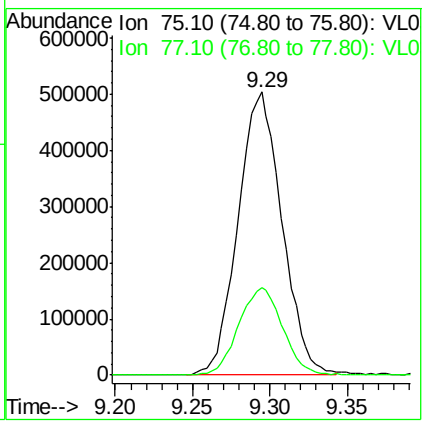


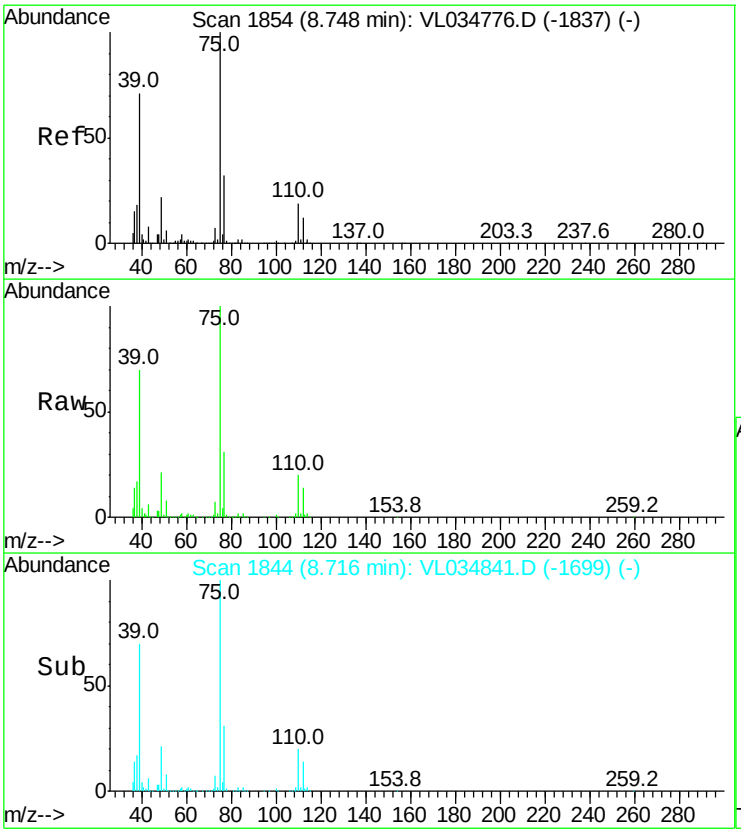
#45
t-1,3-Dichloropropene
Concen: 11.853 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 994834

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4

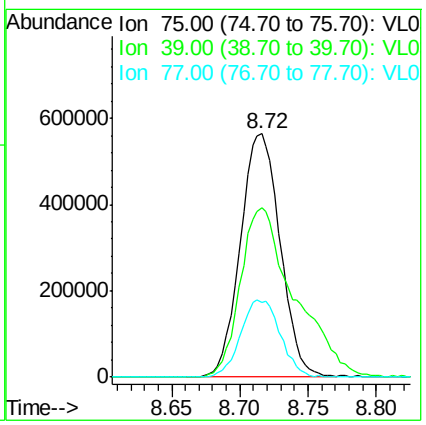


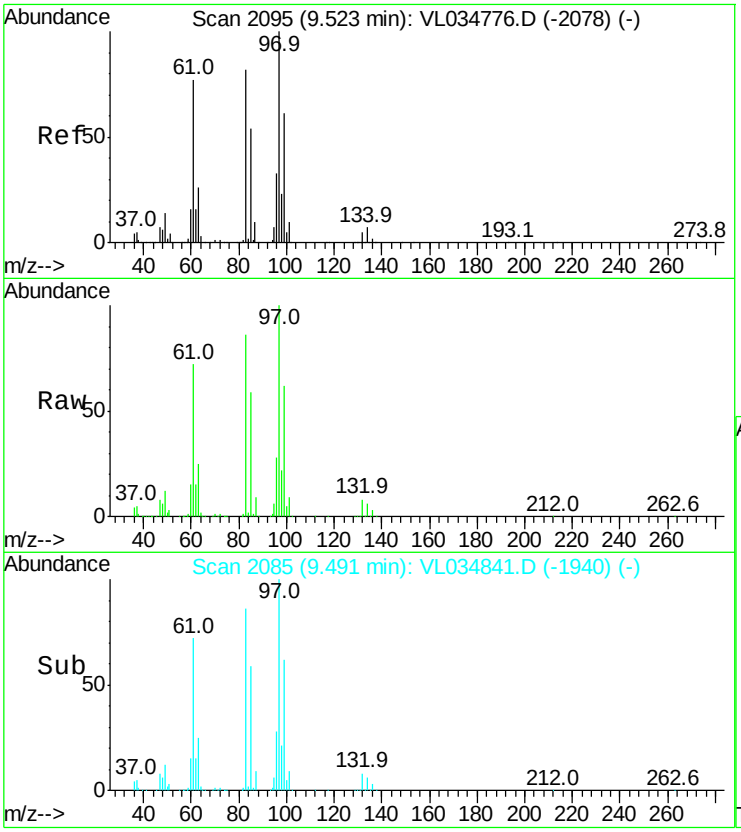


#46
cis-1,3-Dichloropropene
Concen: 11.124 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 75 Resp: 1140053

Ion	Ratio	Lower	Upper
75	100		
39	69.6	56.9	85.3
77	30.9	25.7	38.5



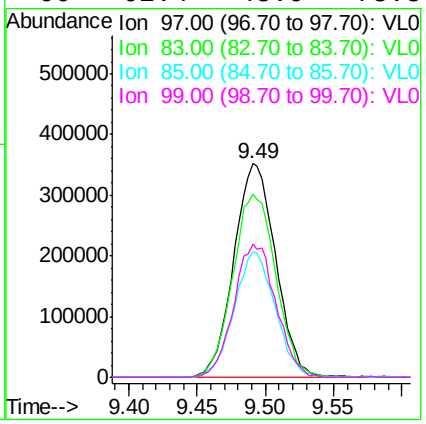


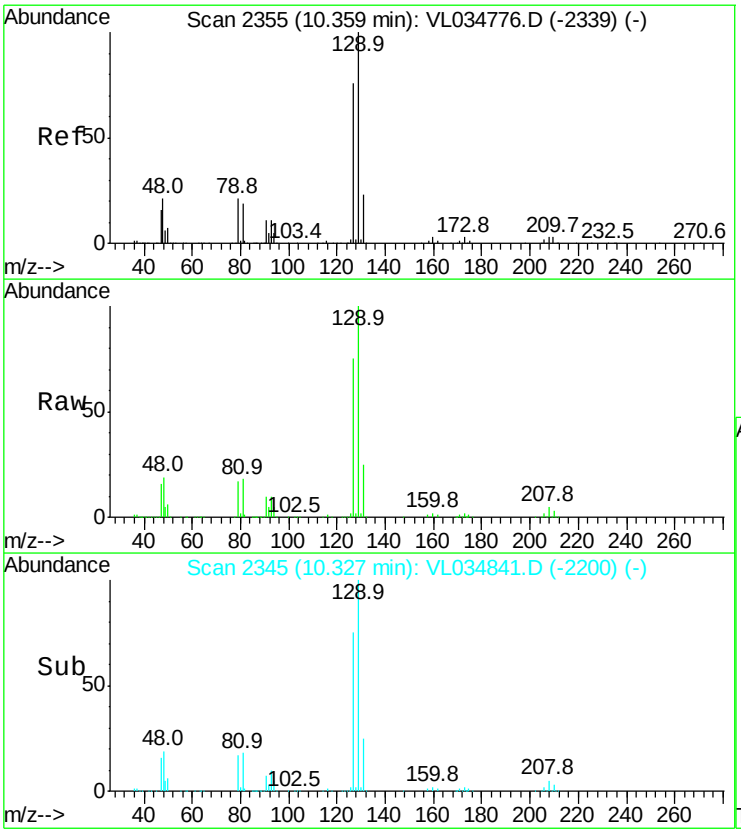
#47
1,1,2-Trichloroethane
Concen: 9.245 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 743203

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.2	97.8
85	58.6	43.6	65.4
99	62.4	48.9	73.3

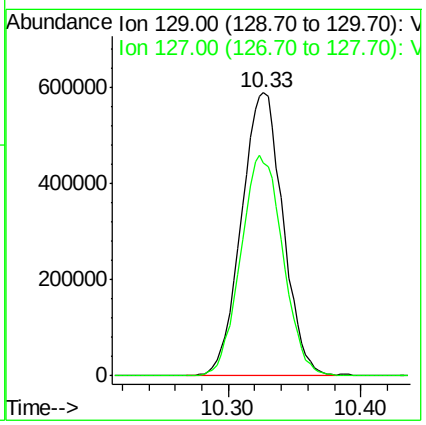


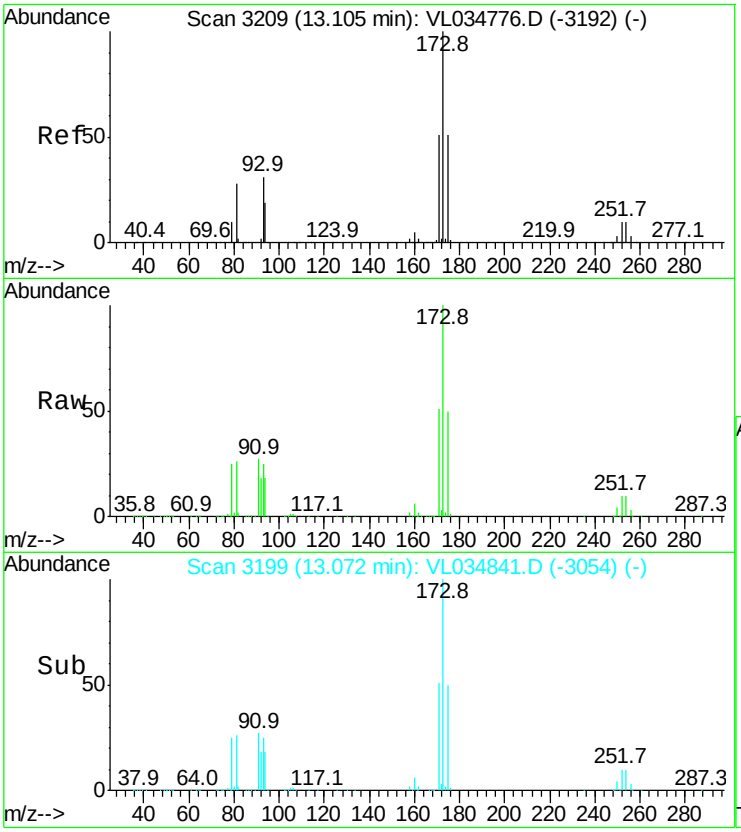


#48
Dibromochloromethane
Concen: 10.195 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:129 Resp: 1281607

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.0	117.0



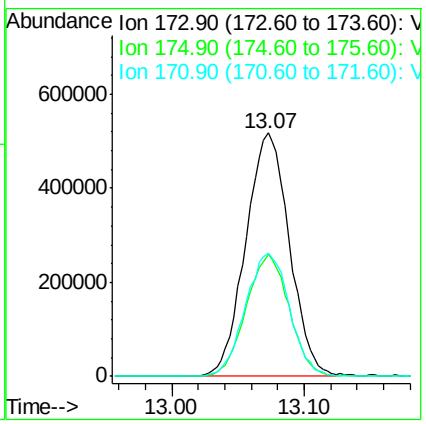


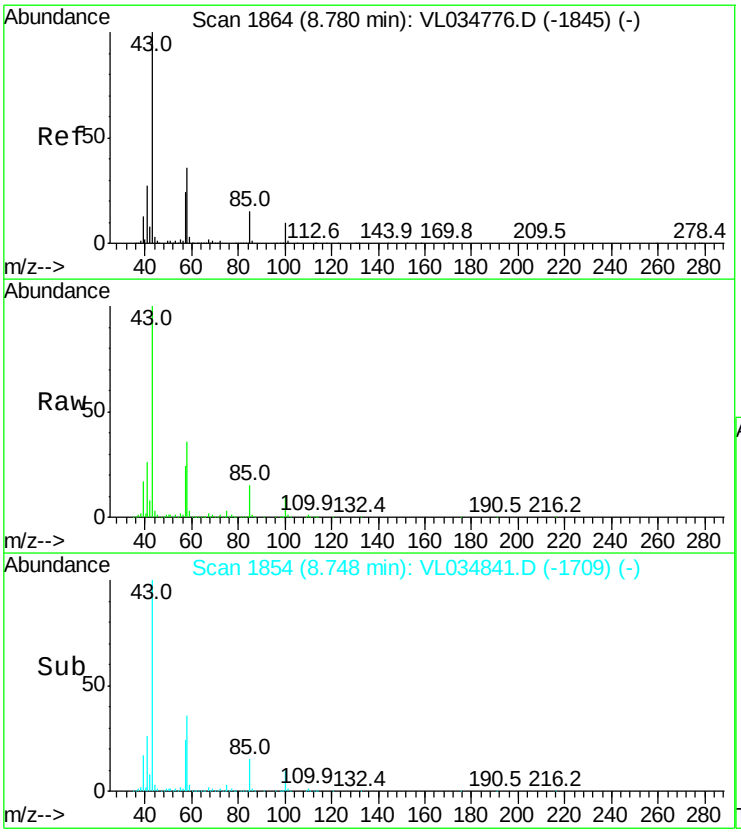
#49
Bromoform
Concen: 10.835 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1188493

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.8	59.6
171	51.3	41.0	61.4

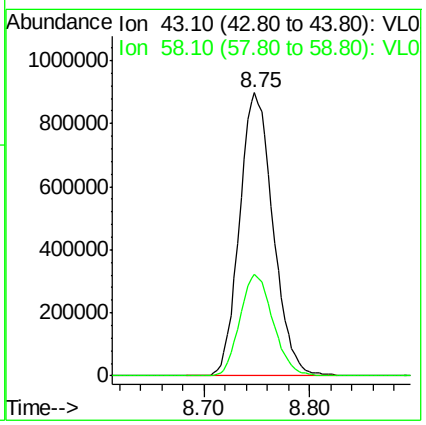


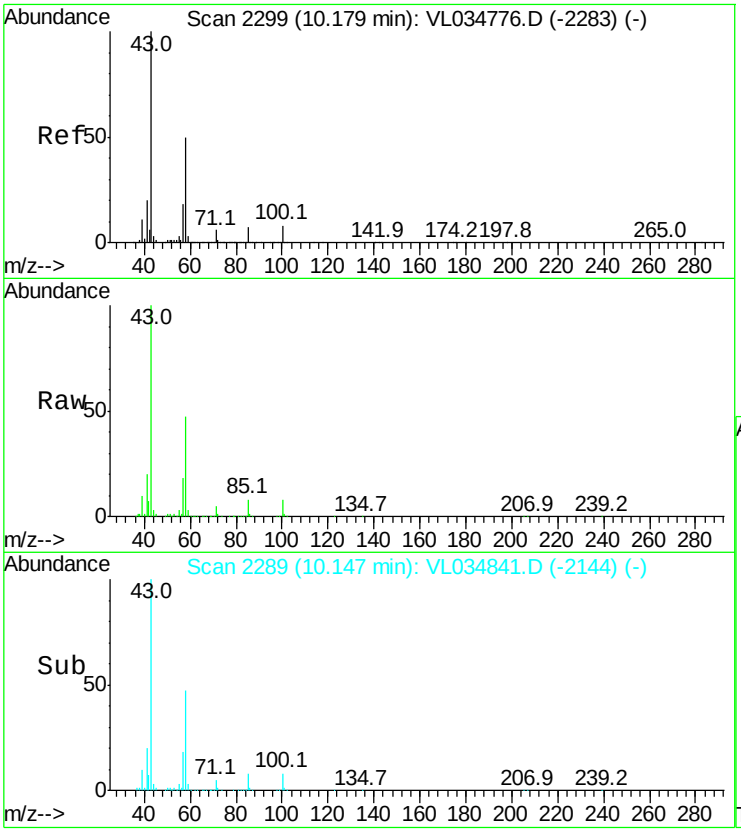


#50
4-Methyl-2-Pentanone
Concen: 9.620 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1980080

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.7	43.1



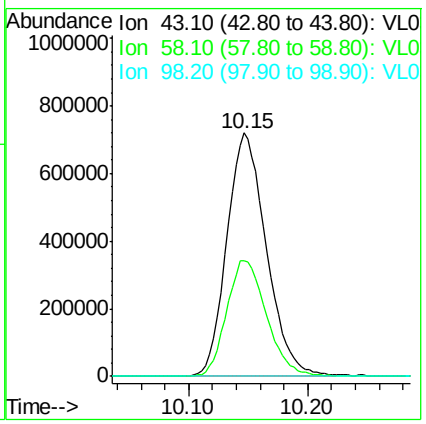


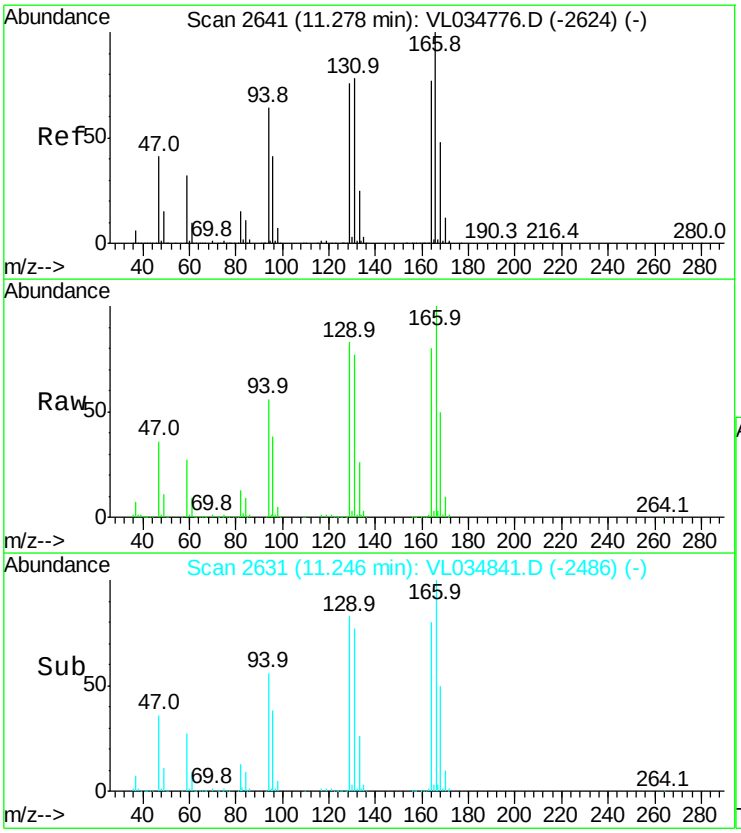
#51
2-Hexanone
Concen: 10.239 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1653162

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.6	58.0
98	0.1	0.2	0.4#

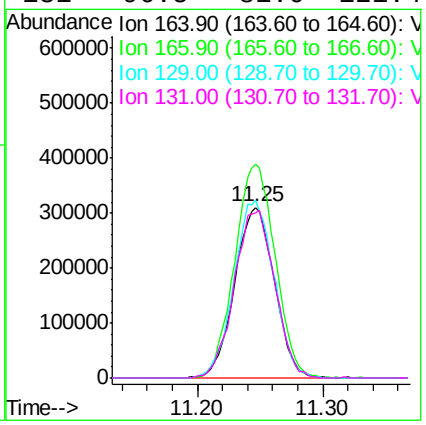


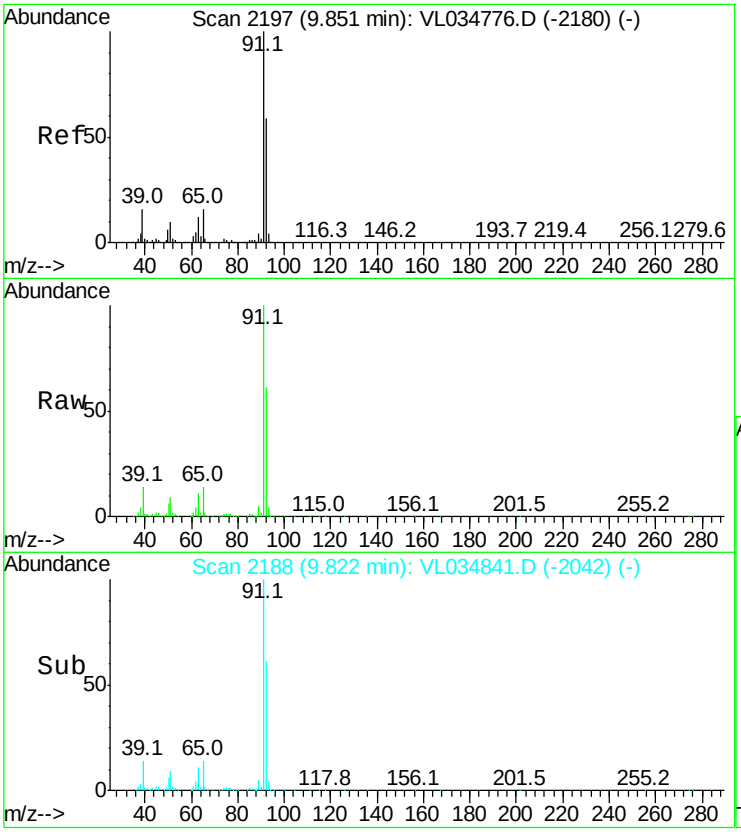


#52
Tetrachloroethene
Concen: 9.802 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:164 Resp: 683276

Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.3	154.9
129	103.9	79.0	118.4
131	96.5	81.0	121.4



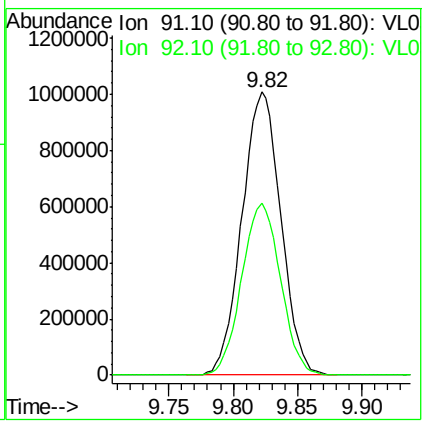


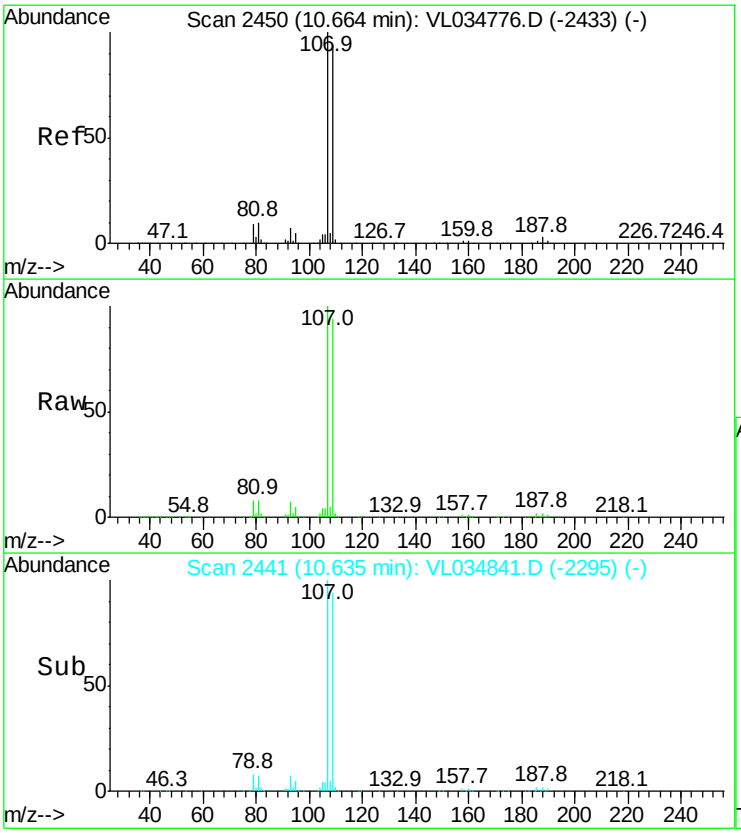
#53
Toluene
Concen: 10.634 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2123425

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.2	72.2

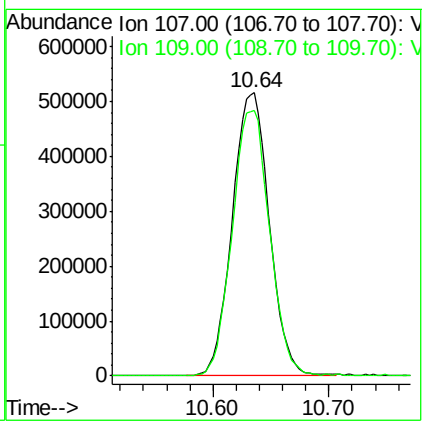


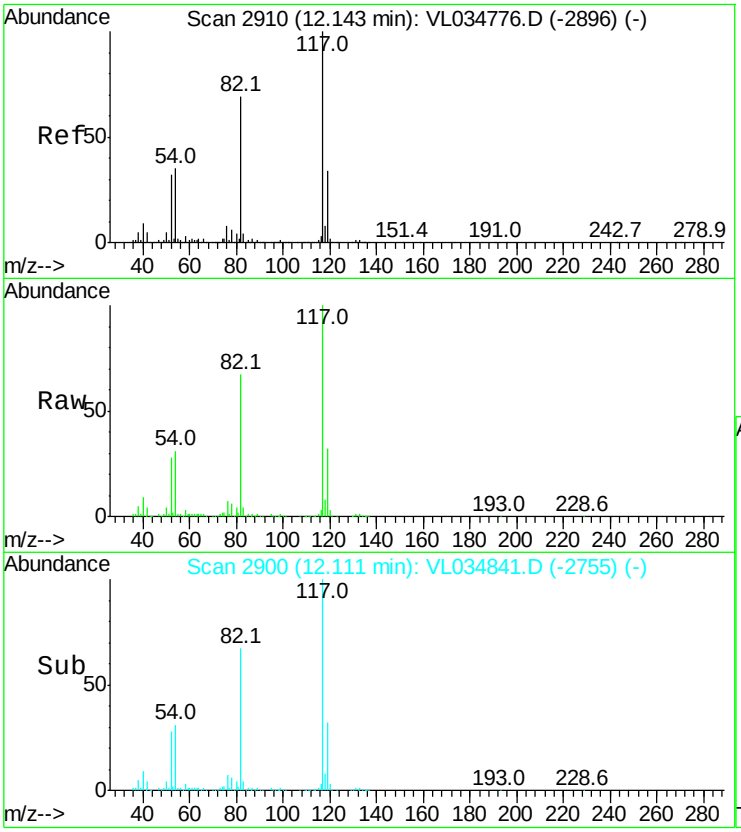


#54
1,2-Dibromoethane
Concen: 9.606 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:107 Resp: 1141798

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6



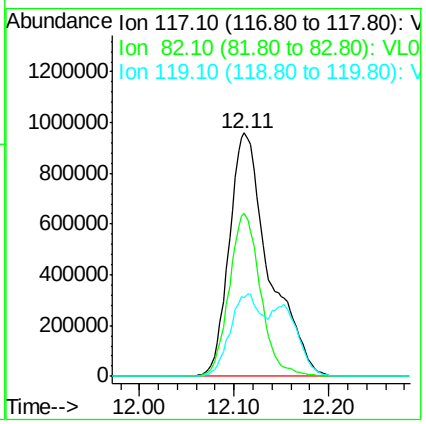


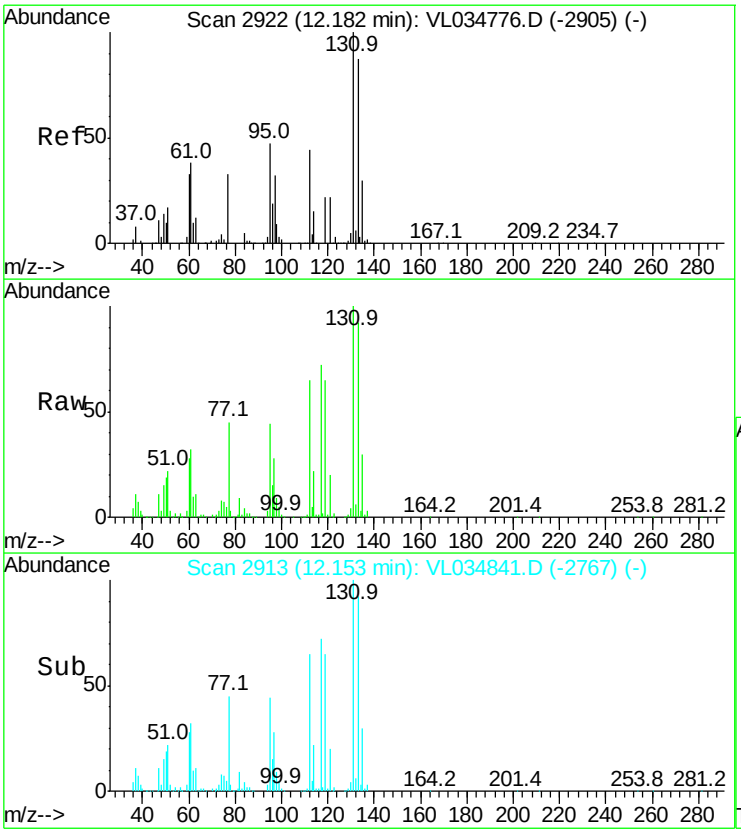
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2808983

Ion	Ratio	Lower	Upper
117	100		
82	52.8	53.9	80.9#
119	28.2	25.0	37.4

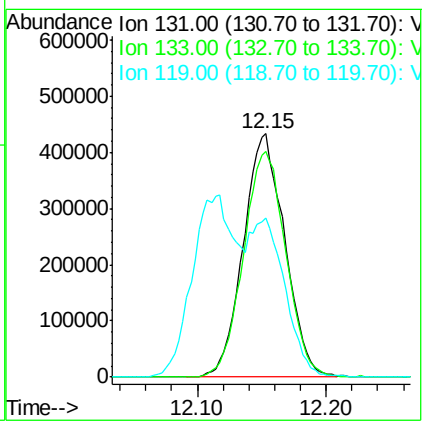


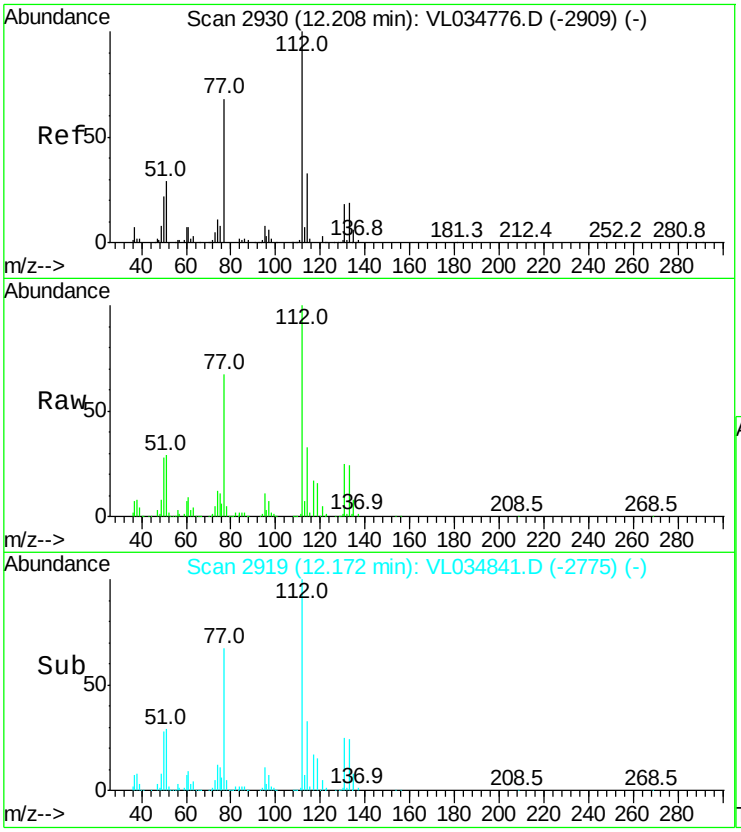


#56
1,1,1,2-Tetrachloroethane
Concen: 7.786 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:131 Resp: 969004

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.4	113.0
119	59.8	110.5	165.7#



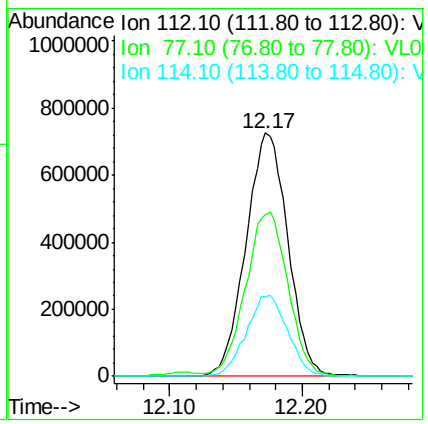


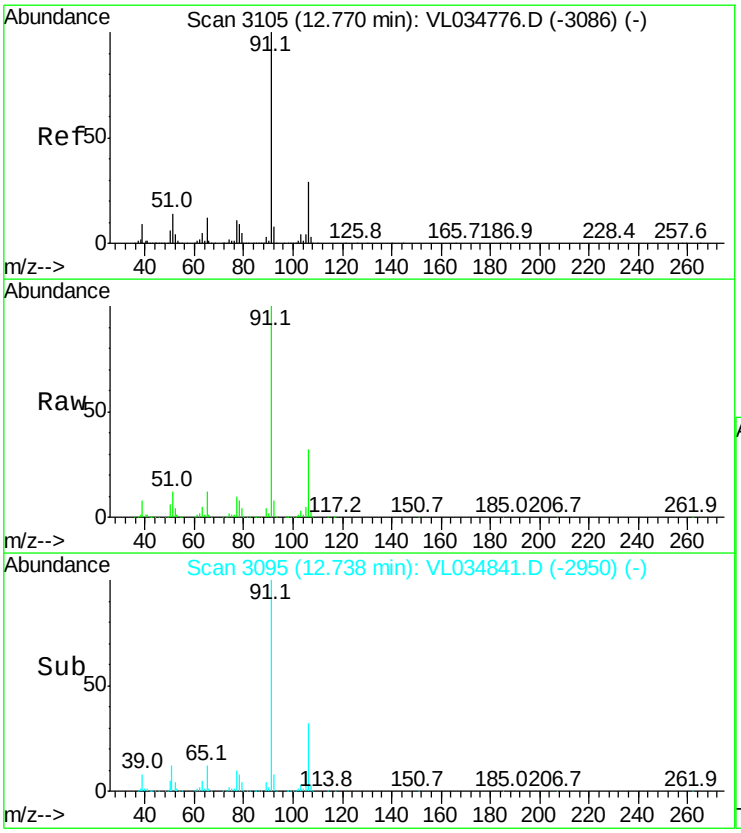
#57
Chlorobenzene
Concen: 7.434 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 1595175

Ion	Ratio	Lower	Upper
112	100		
77	66.3	55.6	83.4
114	32.8	29.4	36.0

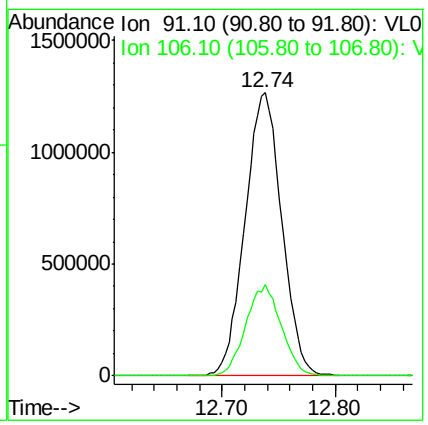


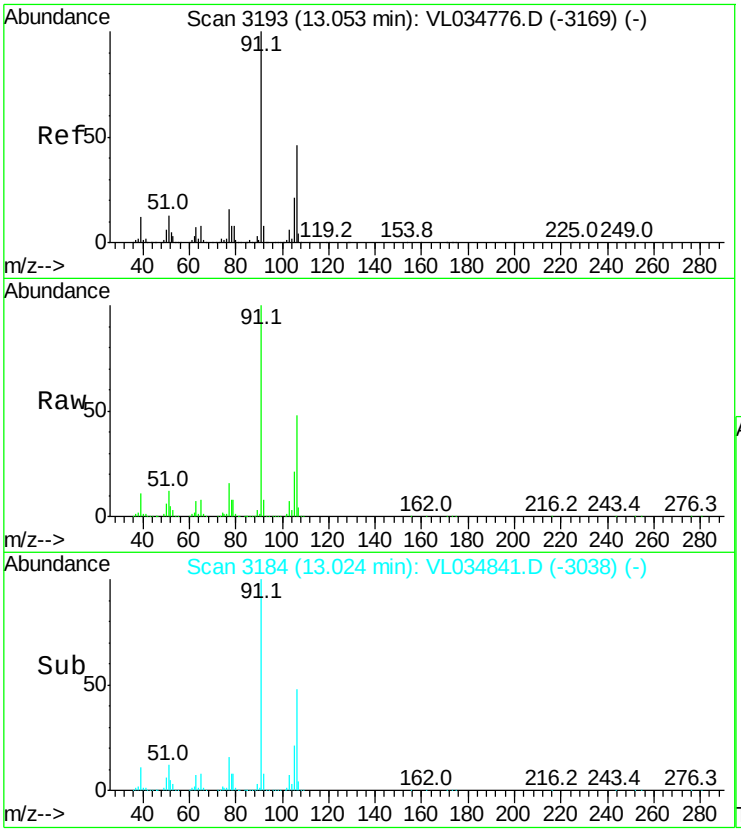


#58
Ethyl Benzene
Concen: 8.250 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 2855935

Ion	Ratio	Lower	Upper
91	100		
106	32.2	22.8	34.2



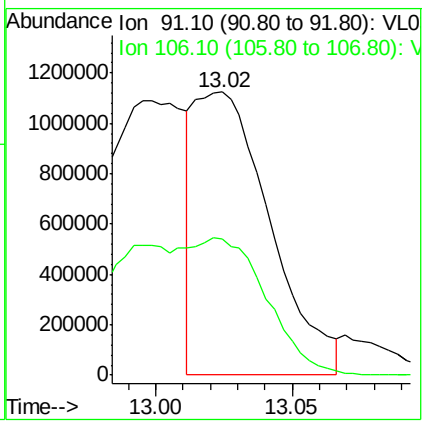


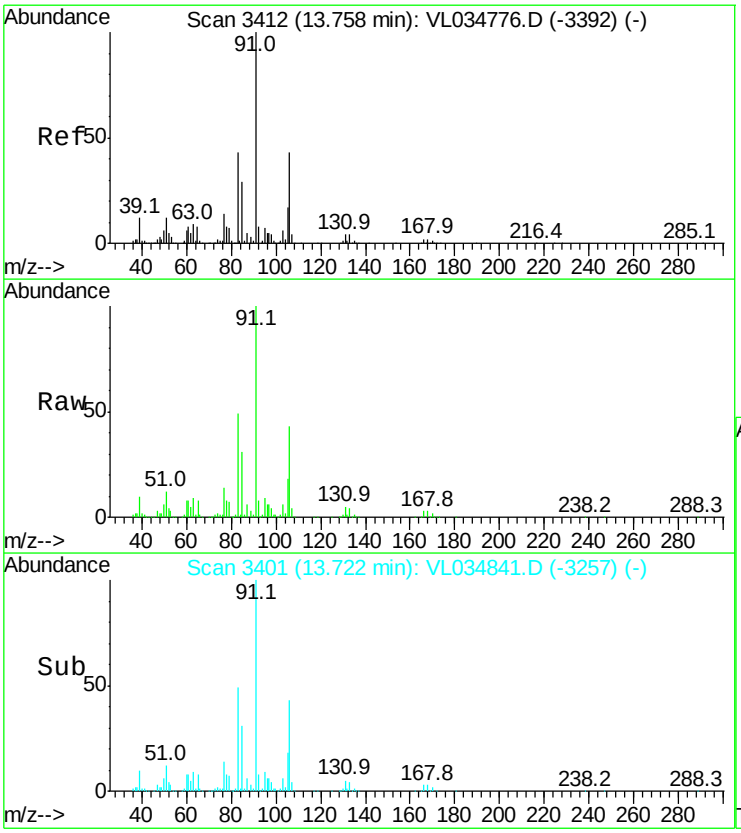
#59
m/p-Xylene
Concen: 7.154 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2143765

Ion	Ratio	Lower	Upper
91	100		
106	99.9	35.8	53.8#

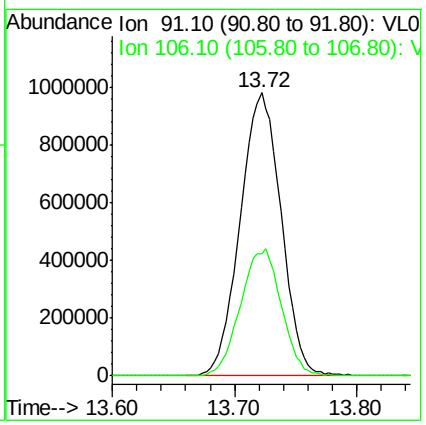


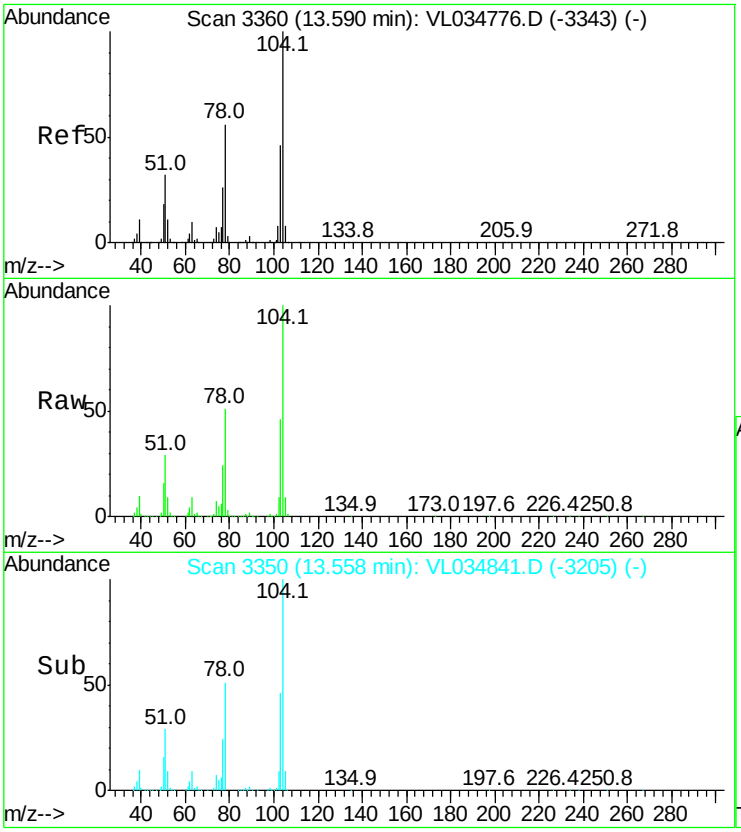


#60
o-Xylene
Concen: 7.510 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 2276835

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.7	65.1



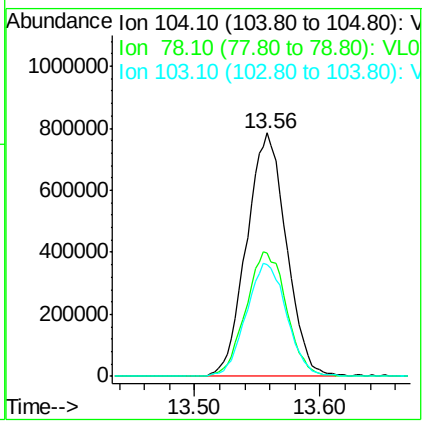


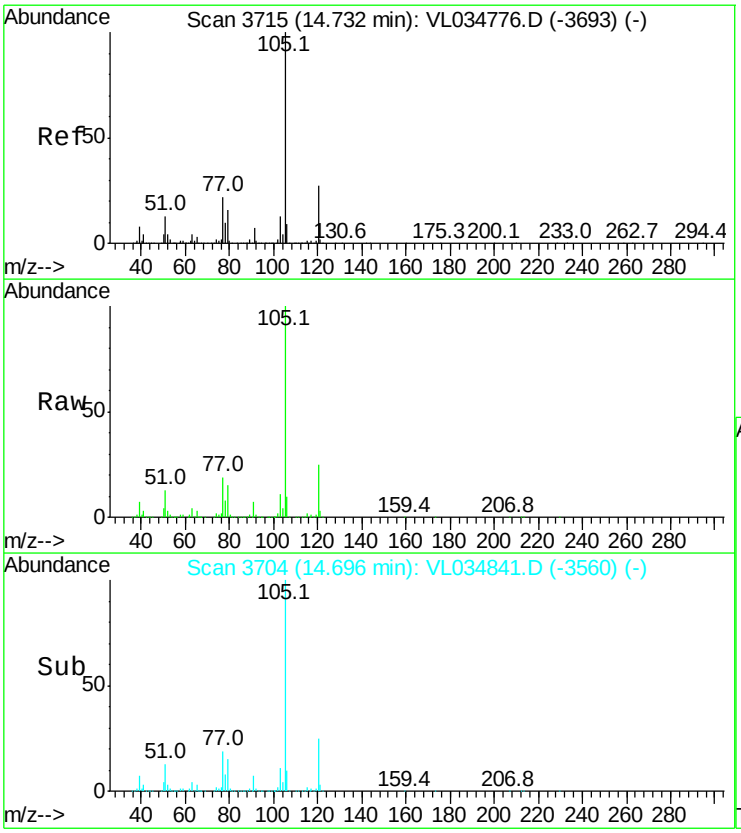
#61
Styrene
Concen: 9.204 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 1731178

Ion	Ratio	Lower	Upper
104	100		
78	52.2	44.7	67.1
103	47.2	38.2	57.2

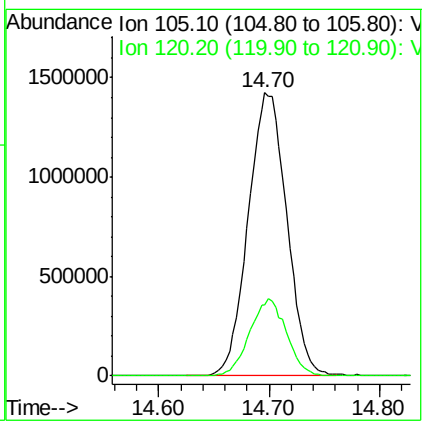


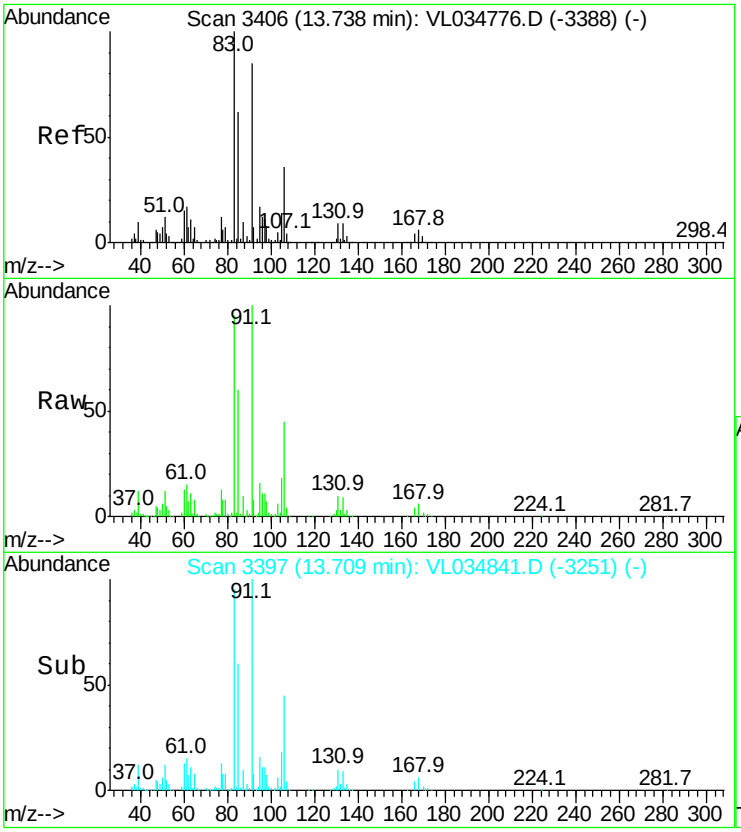


#62
Isopropylbenzene
Concen: 7.720 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 3445036

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7



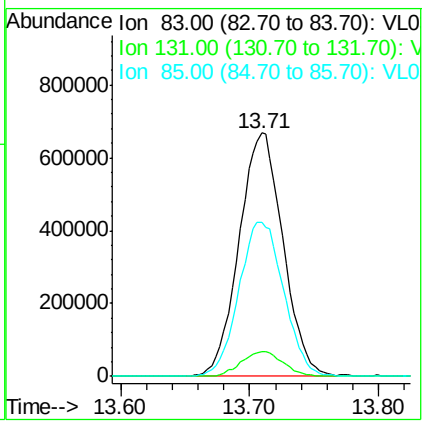


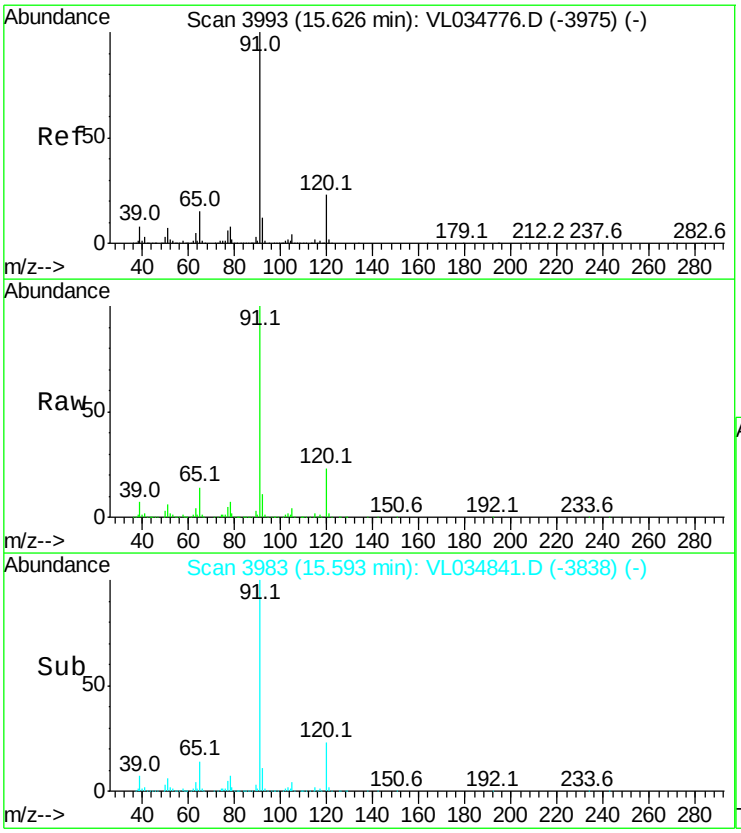
#63
1,1,2,2-Tetrachloroethane
Concen: 6.614 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 1580840

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.7	14.0
85	64.8	32.9	98.7

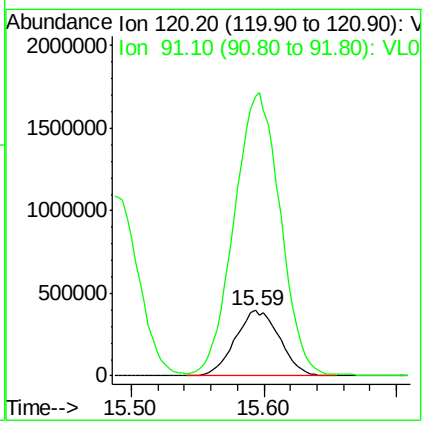


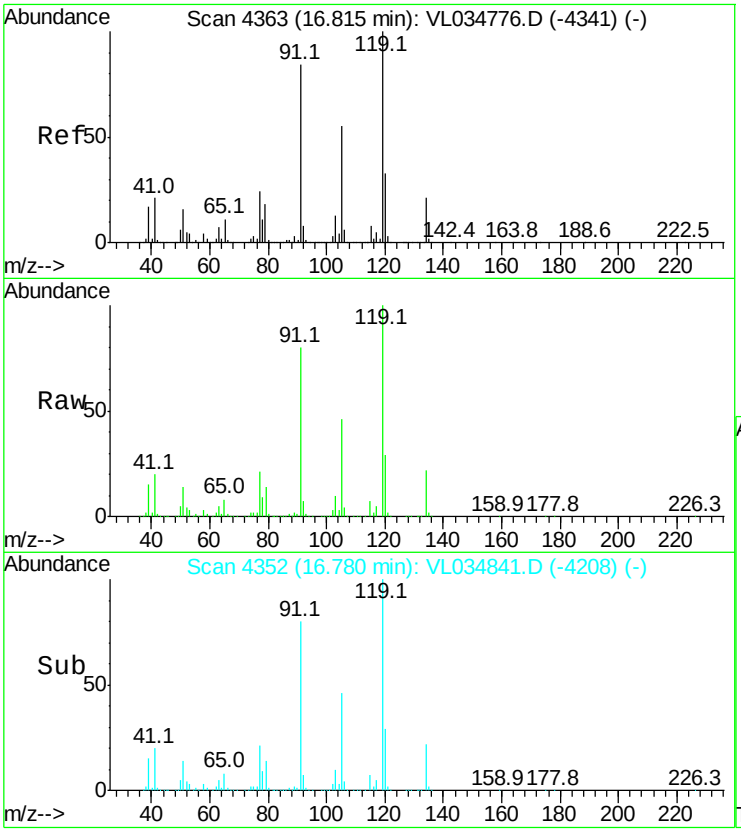


#64
n-propylbenzene
Concen: 8.282 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:120 Resp: 926573

Ion	Ratio	Lower	Upper
120	100		
91	451.1	379.4	569.2



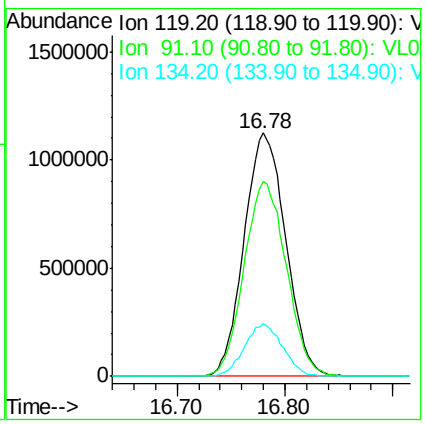


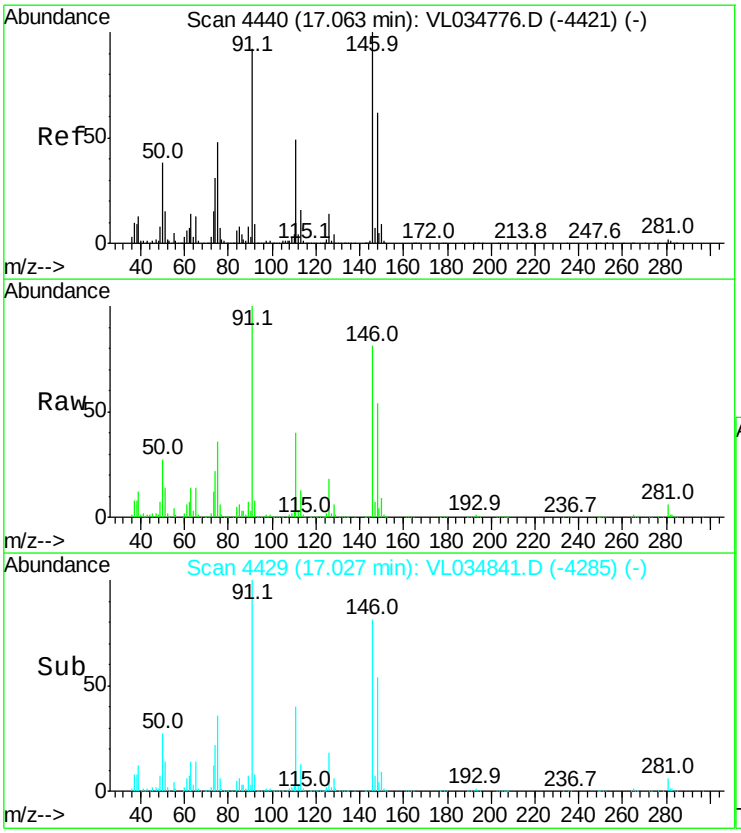
#65
tert-Butylbenzene
Concen: 8.007 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 3019254

Ion	Ratio	Lower	Upper
119	100		
91	81.1	69.8	104.6
134	19.9	15.9	23.9

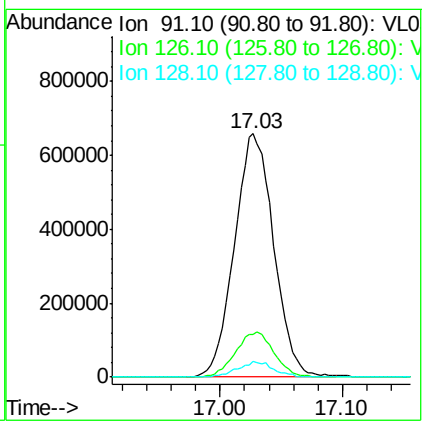


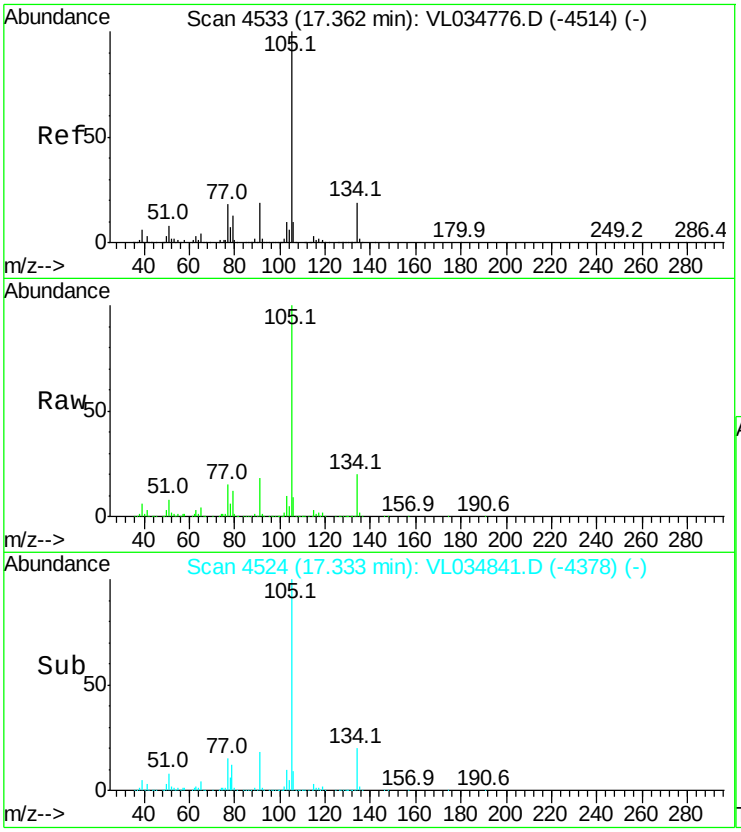


#66
Benzyl Chloride
Concen: 11.973 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 1459623

Ion	Ratio	Lower	Upper
91	100		
126	18.4	12.6	18.8
128	5.9	4.3	6.5



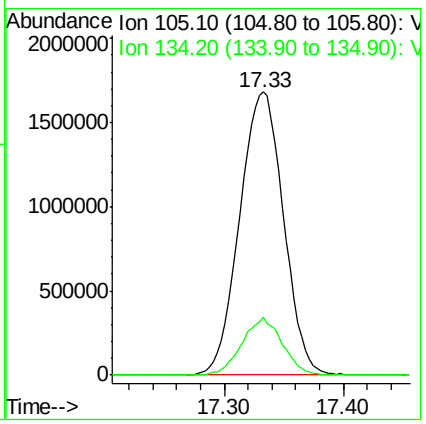


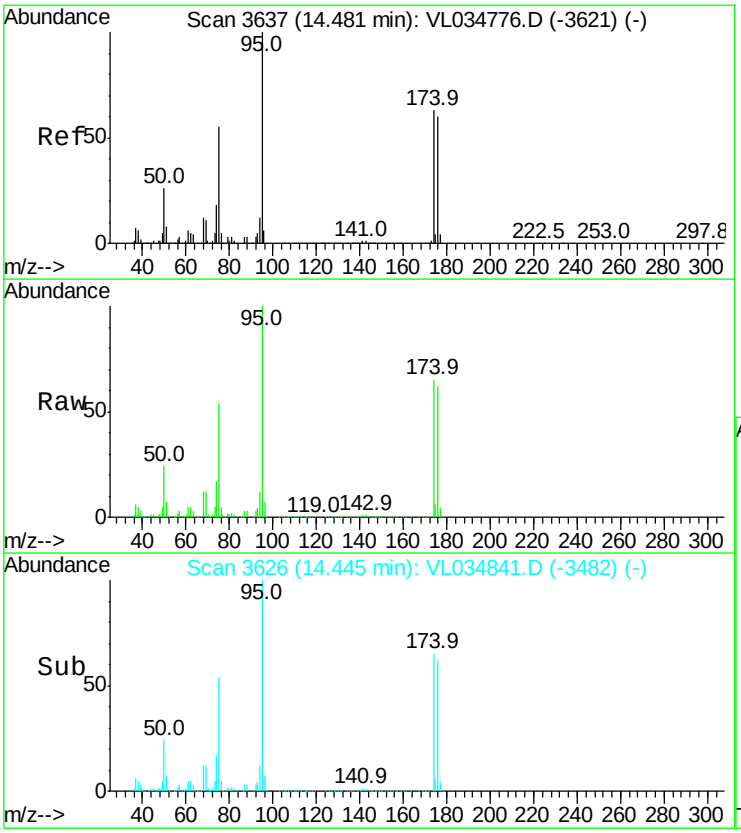
#67
sec-Butylbenzene
Concen: 7.783 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 4276822

Ion	Ratio	Lower	Upper
105	100		
134	18.8	14.7	22.1

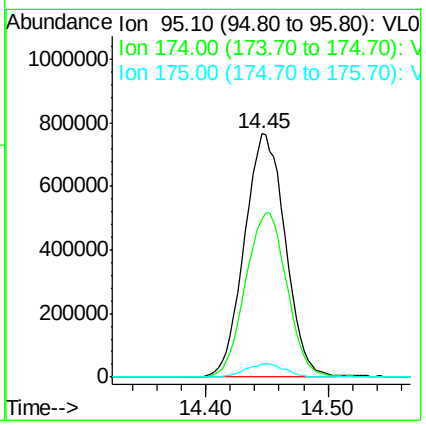


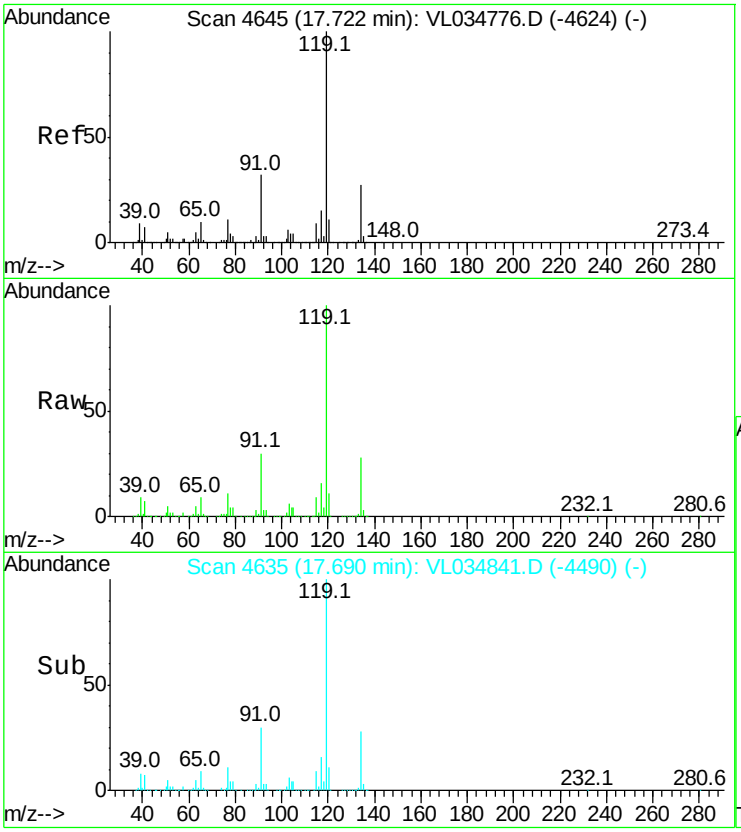


#68
1-Bromo-4-Fluorobenzene
Concen: 7.569 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 95 Resp: 1772884

Ion	Ratio	Lower	Upper
95	100		
174	69.0	50.6	76.0
175	5.4	3.8	5.6



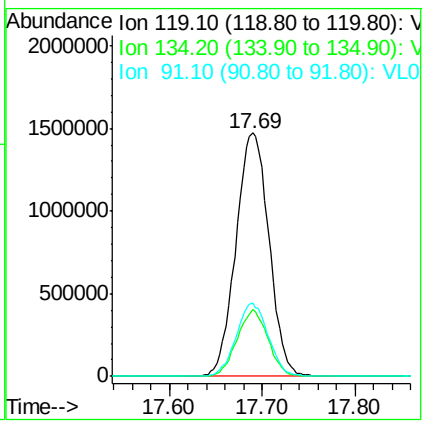


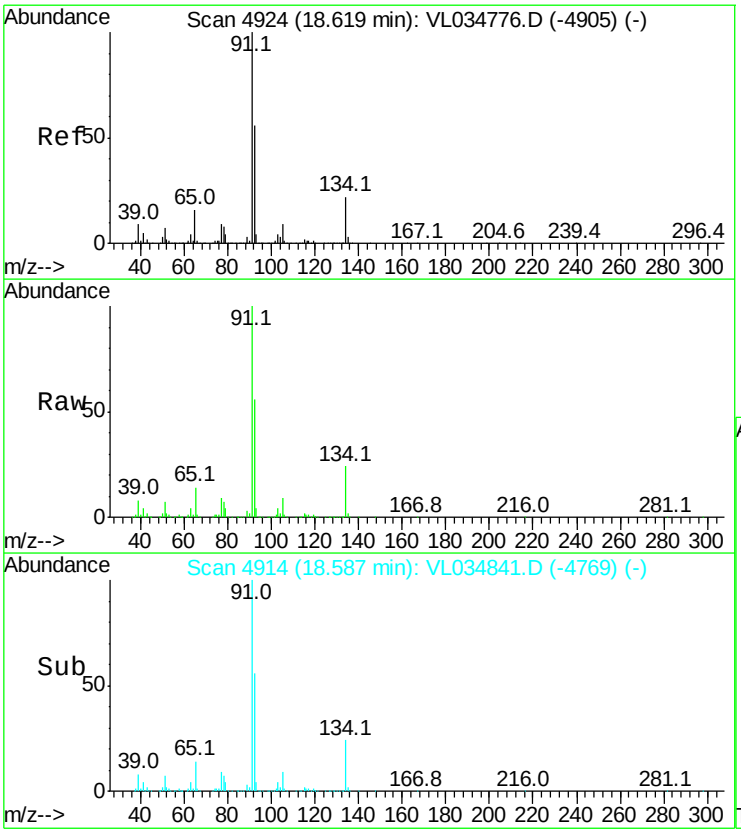
#69
p-Isopropyltoluene
Concen: 8.187 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3640720

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	29.3	25.3	37.9

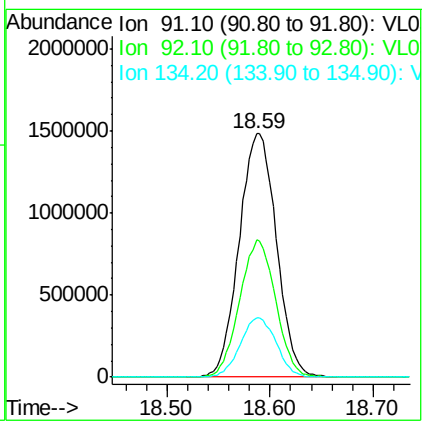


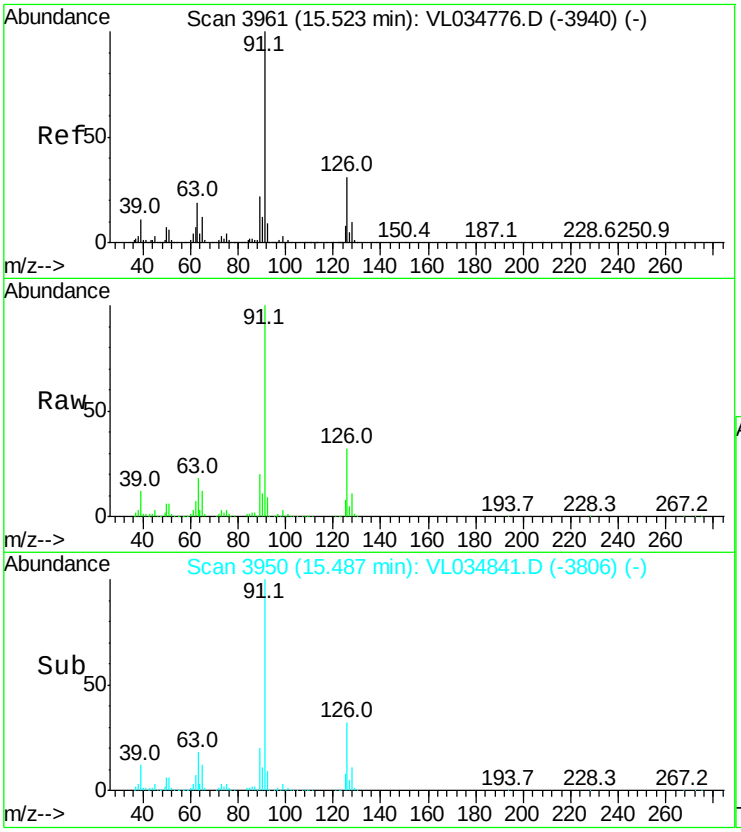


#70
n-Butylbenzene
Concen: 7.645 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 3717188

Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	23.7	17.7	26.5



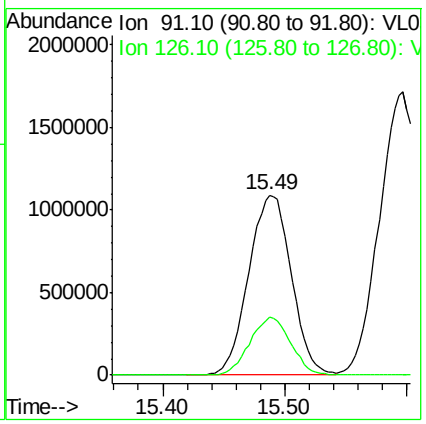


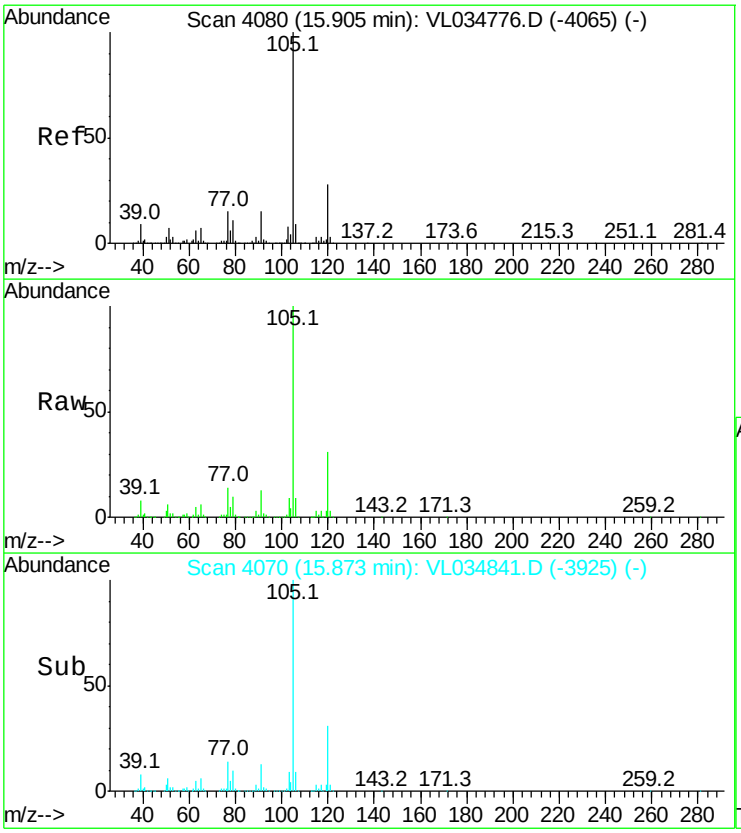
#71
2-Chlorotoluene
Concen: 7.829 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2638637

Ion	Ratio	Lower	Upper
91	100		
126	30.7	11.7	46.7

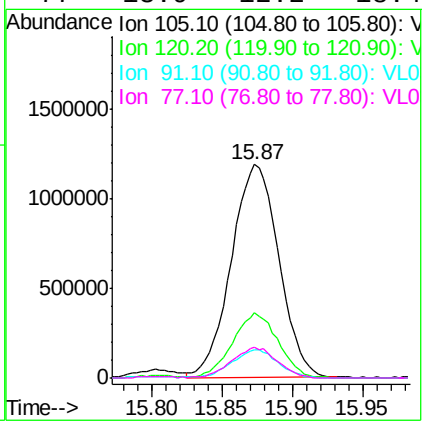


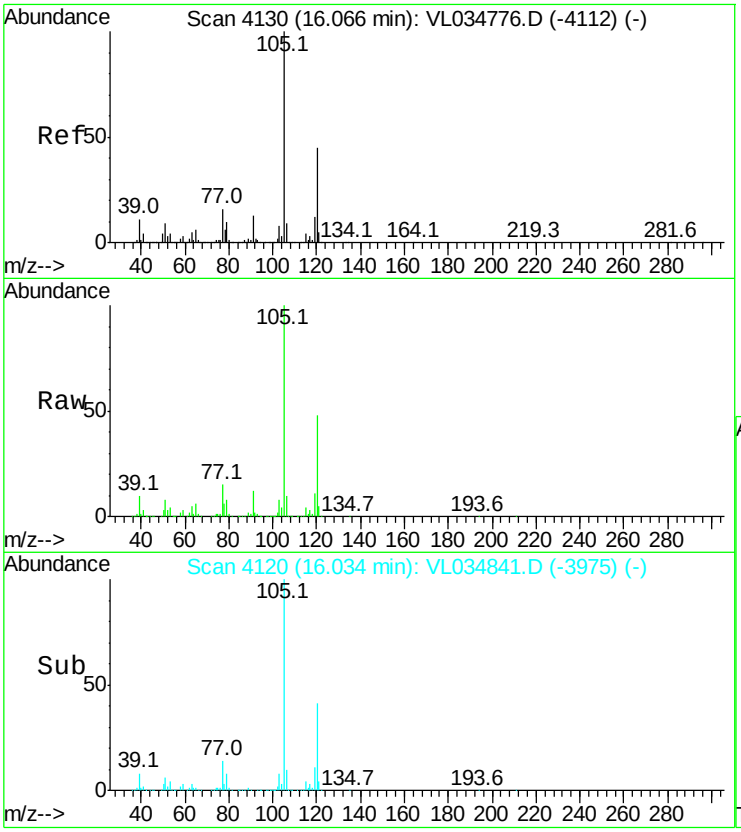


#72
4-Ethyltoluene
Concen: 8.272 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 2792249

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.0	34.6
91	13.1	11.1	16.7
77	13.9	12.2	18.4



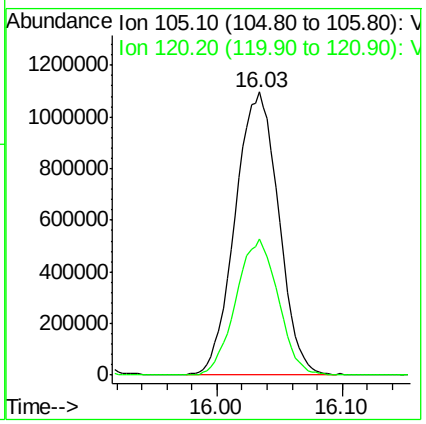


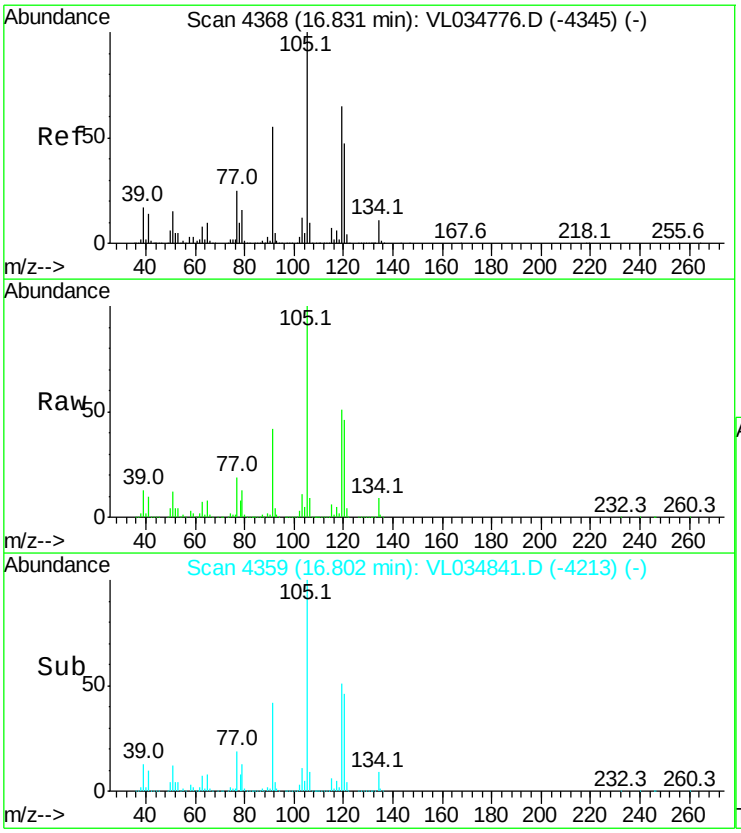
#73
1,3,5-Trimethylbenzene
Concen: 8.078 ppbv
RT: 16.03 min Scan# 4120
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 2615781

Ion	Ratio	Lower	Upper
105	100		
120	48.3	35.6	53.4

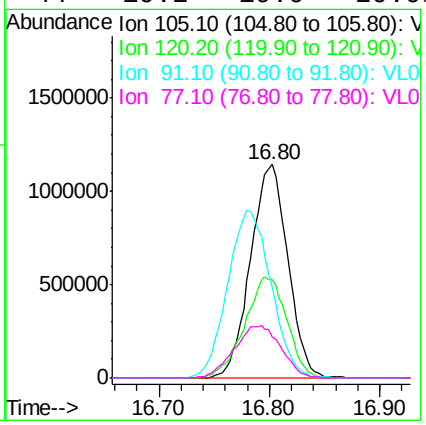


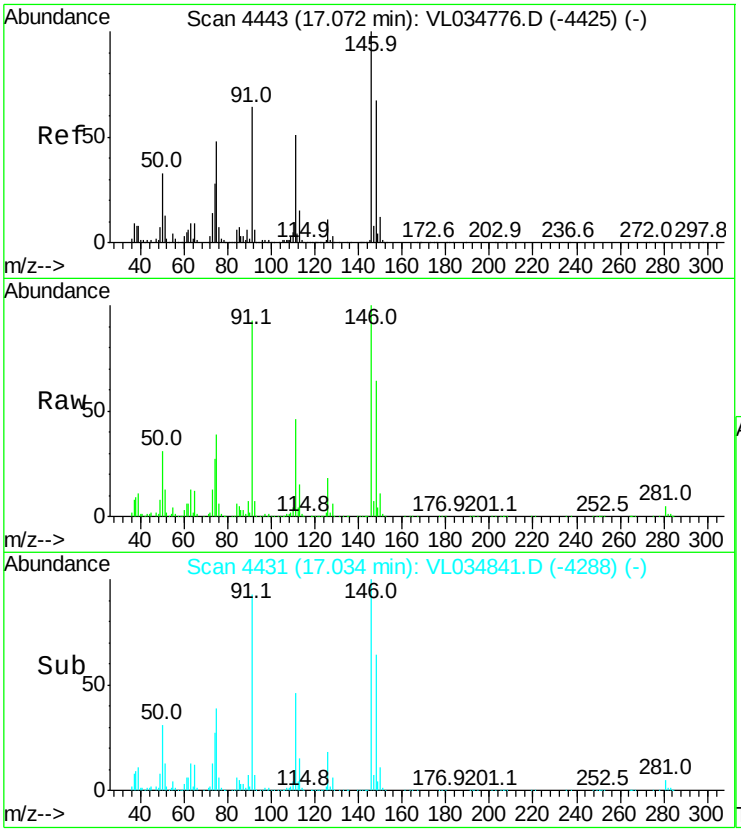


#74
1,2,4-Trimethylbenzene
Concen: 7.619 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 2681904

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.8	56.6
91	42.2	43.8	65.8#
77	19.2	19.9	29.9#



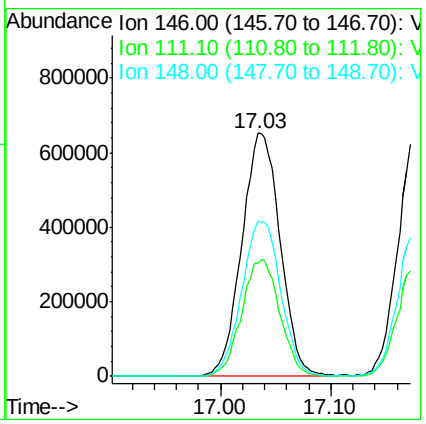


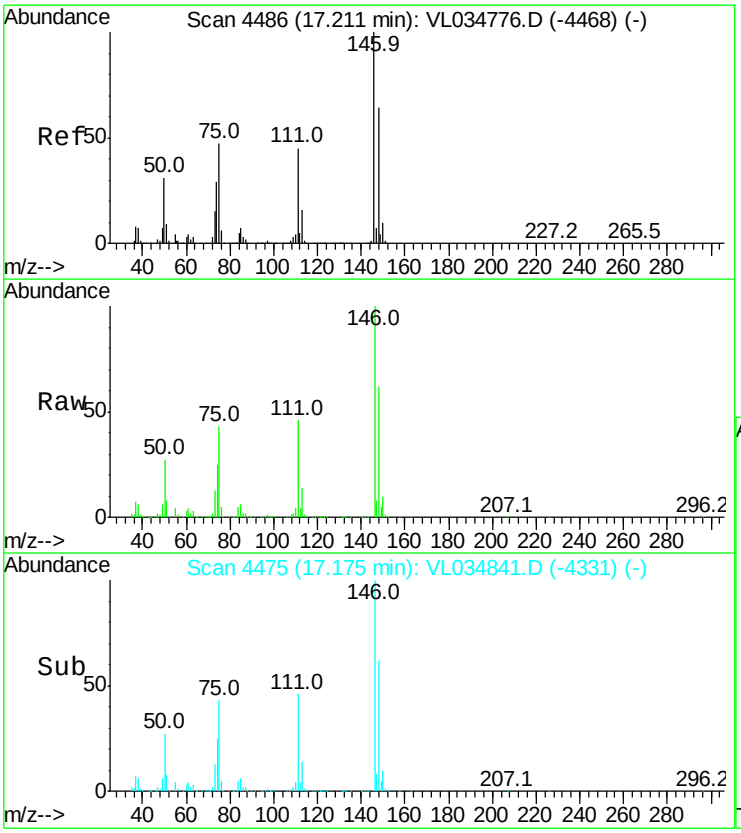
#75
1,3-Dichlorobenzene
Concen: 7.538 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1570753

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.7	74.1
148	65.0	31.8	95.4

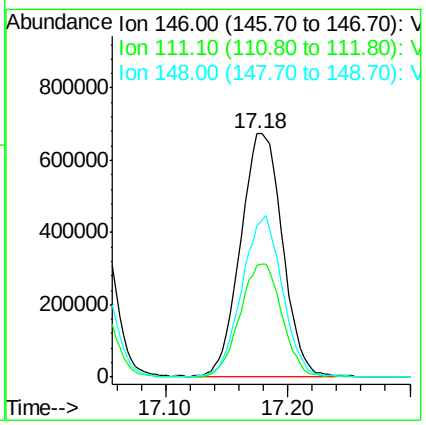


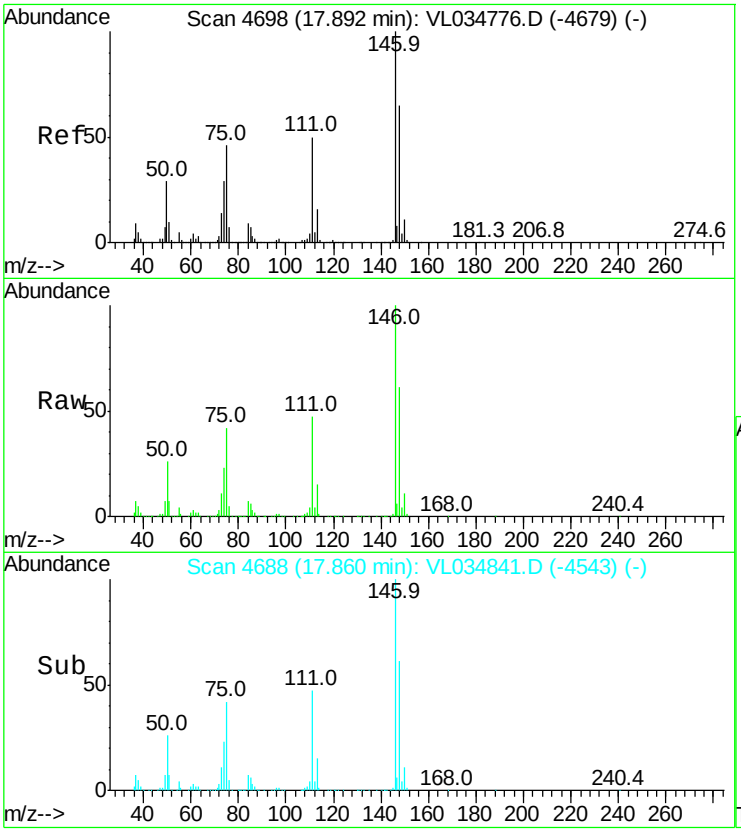


#76
1,4-Dichlorobenzene
Concen: 7.985 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:146 Resp: 1592165

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	64.6	32.2	96.6



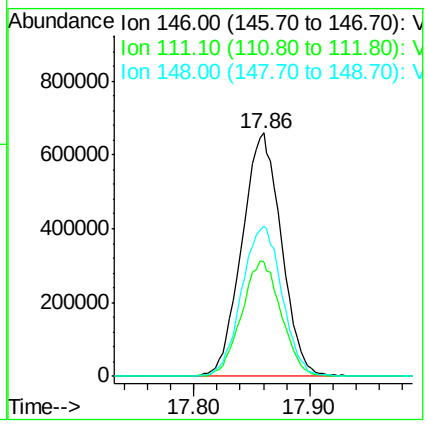


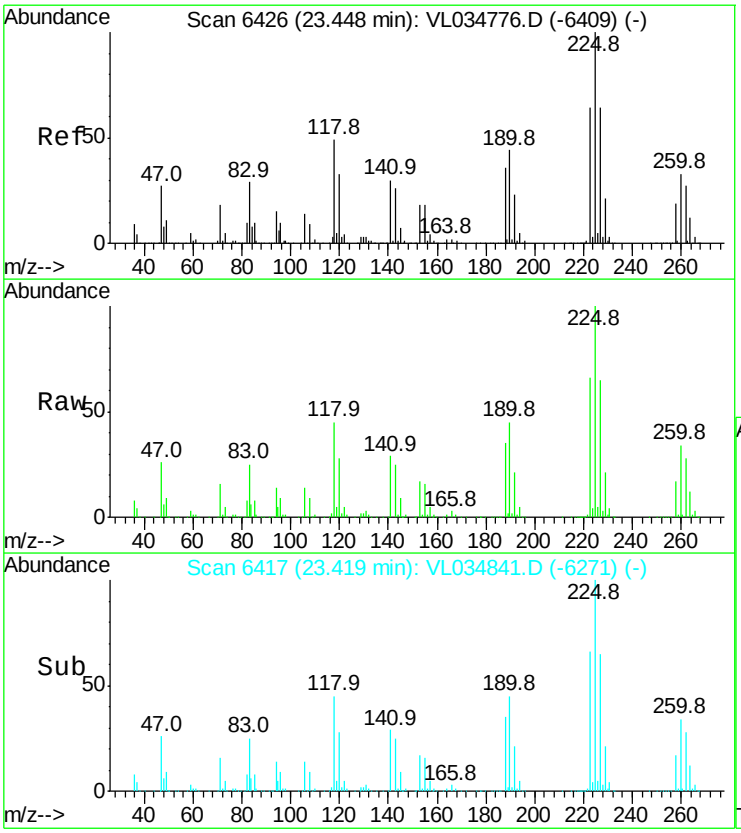
#77
1,2-Dichlorobenzene
Concen: 7.829 ppbv
RT: 17.86 min Scan# 4688
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1560508

Ion	Ratio	Lower	Upper
146	100		
111	47.6	25.3	75.8
148	63.2	32.3	96.9

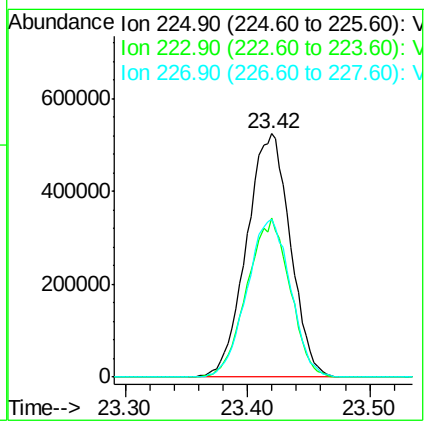


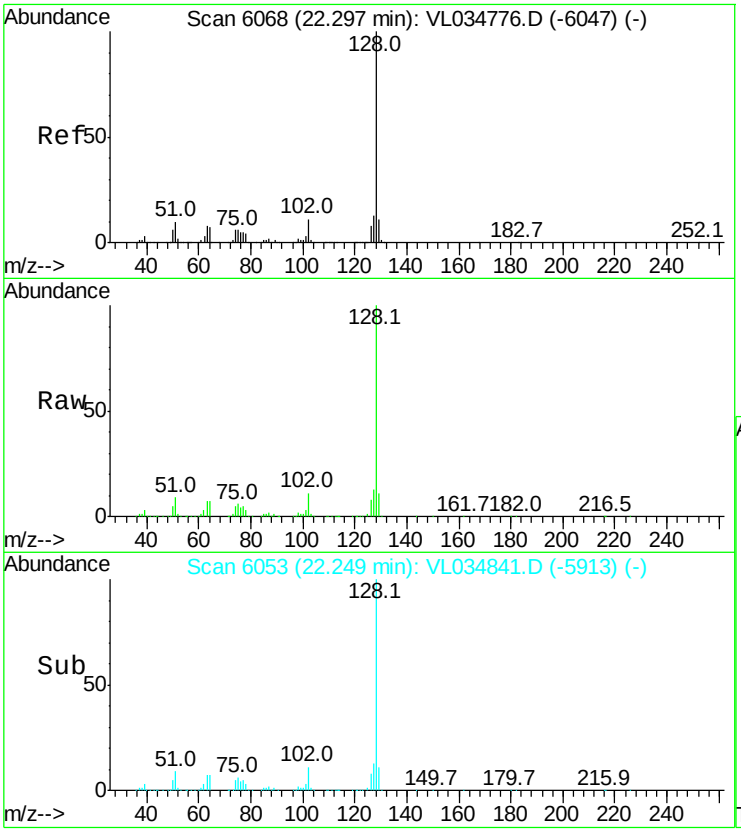


#78
Hexachloro-1,3-Butadiene
Concen: 7.830 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:225 Resp: 1302523

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.3	76.9
227	64.7	51.9	77.9



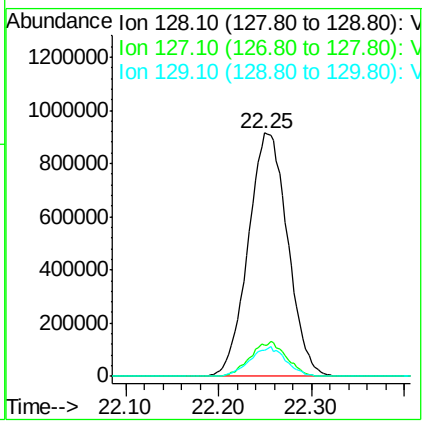


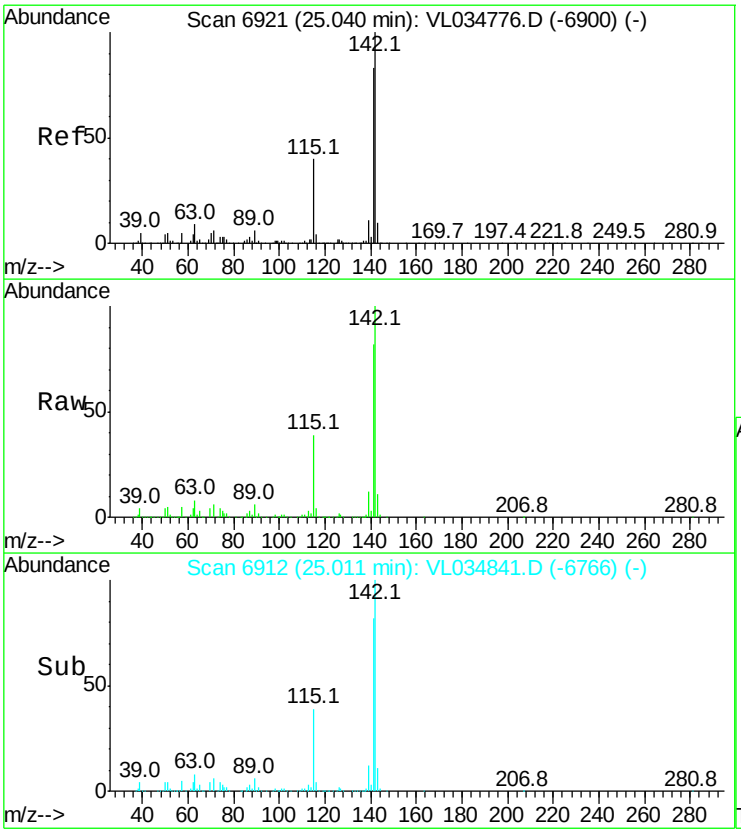
#79
Naphthalene
Concen: 10.228 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. -0.05 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 2705466

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	9.0	13.6

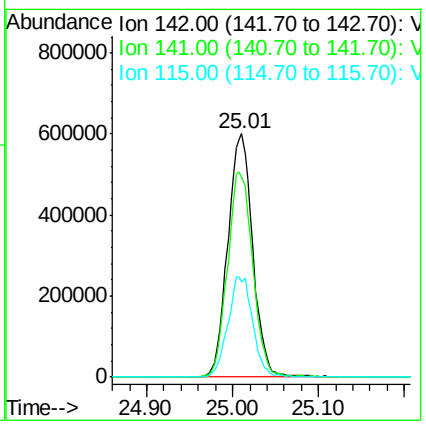


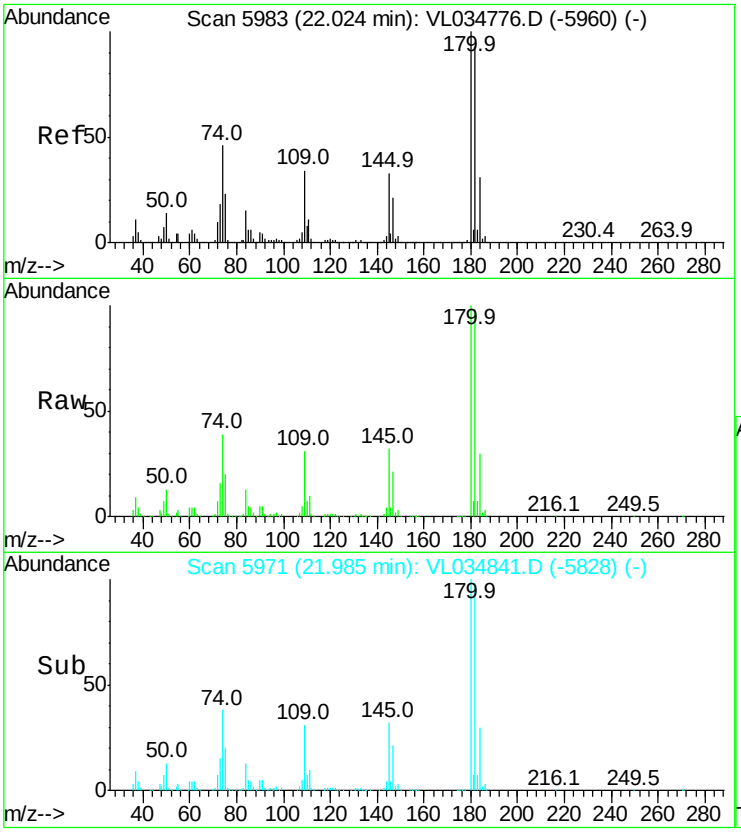


#80
Naphthalene,2-methyl-
Concen: 19.038 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.03 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion:142 Resp: 1202793

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.7	101.5
115	41.5	30.7	46.1





#81
1,2,4-Trichlorobenzene
Concen: 9.357 ppbv
RT: 21.99 min Scan# 5971
Delta R.T. -0.04 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1564727

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	31.2	24.8	37.2